



SAN FRANCISCO PLANNING DEPARTMENT

Executive Summary

Large Project Authorization & Shadow Analysis

HEARING DATE: MAY 1, 2014

1650 Mission St.
Suite 400
San Francisco,
CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

Date: April 24, 2014
Case No.: **2012.1574 KX**
Project Address: **650 INDIANA STREET**
Zoning: UMU (Urban Mixed Use)
58-X Height and Bulk District
Block/Lot: 4041/009
Project Sponsor: Michael Yarne
315 Linden Street
San Francisco, CA 94102
Staff Contact: Diego R Sánchez – (415) 575-9082
Recommendation: **Approval with Conditions**

PROJECT DESCRIPTION

The project proposes to demolish existing warehouse and storage structures located on the subject property and construct two five-story residential buildings with 111 residential units and approximately 1,900 gross square feet of ground-floor neighborhood-serving retail uses. In total the new structures would measure approximately 122,185 gross square feet. The project would consist of two architecturally distinct, approximately 58-foot-tall, five-story buildings, which would be separated by a pedestrian alleyway. Off-street parking is proposed within a subterranean garage that is accessed at the north end of the subject property.

SITE DESCRIPTION AND PRESENT USE

The project is located on the west side of Indiana Street, between 18th and 19th Streets. The lot is approximately 26,610 square feet in area with 351 feet of frontage along Indiana Street and a depth of approximately 76 feet. A night club (Café Cocomo), a sound studio and storage and staging space are located within a series of existing warehouse structures on the property. There is also, at the northern portion of the subject property, area for off-street parking and equipment storage.

SURROUNDING PROPERTIES AND NEIGHBORHOOD

The project is located within the Dogpatch neighborhood and is immediately to the northwest of Esprit Park. Properties in the area are commercial and light industrial in nature. Buildings are one- and two-story in height. Residential uses are located south of 20th Street, two blocks from the subject property. Immediately to the west of the subject property is the embankment leading to Interstate 280. This lot is irregularly shaped, and varies in width from 51 feet at the southern boundary to 82 feet at the northern boundary. To the east of the subject property are two-story commercial buildings, including an office building and a building with light manufacturing uses. To the north of the site is a warehouse building.

The southern boundary of the subject property is 19th Street. Properties in the surrounding area are in the UMU (Urban Mixed Use) and P (Public) Zoning Districts.

ENVIRONMENTAL REVIEW

Pursuant to the Guidelines of the State Secretary of Resources for the implementation of the California Environmental Quality Act (CEQA), on March 28, 2014, the Planning Department of the City and County of San Francisco determined that the proposed application was exempt from further environmental review under Section 15183 of the CEQA Guidelines and California Public Resources Code Section 21083.3. The Project is consistent with the adopted zoning controls in the Eastern Neighborhoods Area Plan and was encompassed within the analysis contained in the Eastern Neighborhoods Area Plan Final EIR. Since the Final EIR was finalized, there have been no substantial changes to the Eastern Neighborhoods Area Plan and no substantial changes in circumstances that would require major revisions to the Final EIR due to the involvement of new significant environmental effects or an increase in the severity of previously identified significant impacts, and there is no new information of substantial importance that would change the conclusions set forth in the Final EIR.

HEARING NOTIFICATION

TYPE	REQUIRED PERIOD	REQUIRED NOTICE DATE	ACTUAL NOTICE DATE	ACTUAL PERIOD
Classified News Ad	20 days	April 11, 2014	April 11, 2014	20 days
Posted Notice	20 days	April 11, 2014	April 11, 2014	20 days
Mailed Notice	20 days	April 11, 2014	April 11, 2014	20 days

The proposal requires a Section 312-neighborhood notification, which was conducted in conjunction with the Large Project Authorization process.

PUBLIC COMMENT

- To date, the Planning Department has received nine letters of support for the project and one email and telephone call with concerns regarding the proposed demolition of Interstate 280 and the analysis of the proposed project.

ISSUES AND OTHER CONSIDERATIONS

- Large Project Authorization Modifications: As part of the Large Project Authorization (LPA), the Commission may grant modifications from certain Planning Code requirements for projects that exhibit outstanding overall design and are complementary to the design and values of the surrounding area. The proposed project requests exceptions from the Rear Yard requirement (Planning Code Section 134), the Dwelling Unit Exposure requirement (Planning Code Section 140) and the Horizontal Mass Reduction requirement (Planning Code Section 270.1). Planning Department staff supports the proposed exceptions given the quality of design, including its response to the site's adjacency to Interstate 280, and the provision of all required useable open space on-site, with a significant portion of the proposed open space made accessible to the public.

- Proposition K / Planning Code Section 295: Planning Code Section 295 requires that the General Manager of the Recreation and Park Department, in consultation with the Recreation and Park Commission, recommend to the Planning Commission that new shadow cast by the proposed project not be adverse to the use of Esprit Park. On April 17, 2014, the Recreation and Park Commission adopted a motion finding the additional shadow cast by the proposed project on Esprit Park to not be adverse to its use.
- Affordable housing. The project is subject to the affordable housing requirement for projects within the UMU zoning district and is designated as a Tier A site. The project is required to provide a minimum of 14.4 percent of all units as affordable, if electing the on-site alternative. The project is providing the required affordable housing units, 16 in total, on site.
- Development Impact Fees: The Project would be subject to the following development impact fees, which are estimated as follows:

DEVELOPMENT IMPACT FEE SUMMARY		
Eastern Neighborhoods Infrastructure Impact Fee		
Replacement or Change of Use	\$61,482.00	
New Construction	\$976,964.40	
		\$1,038,446.40
Transit Impact Development Fee		
Retail		\$42,464.50
TOTAL		\$1,080,910.90

REQUIRED COMMISSION ACTION

In order for the project to proceed, the Commission must grant a Large Project Authorization pursuant to Planning Code Section 329 to allow the construction of two five-story residential buildings with 111 residential units and approximately 1,900 gross square feet of ground-floor neighborhood-serving retail uses and to allow modifications to the requirements for rear yard (planning Code Section 134), Dwelling Unit Exposure (Planning Code Section 140) and Horizontal Mass Reduction (Planning Code Section 270.1). The subject property is located within the UMU (Urban Mixed Use) Zoning District and a 58-X Height and Bulk Designation.

The Planning Commission must also, upon recommendation of the General Manager of the Recreation and Park Department and in consultation with the Recreation and Park Commission, adopt a motion to find that the additional shadow cast by the project on Esprit Park would not be adverse to the use of the park, pursuant to Planning Code Section 295.

BASIS FOR RECOMMENDATION

- The project provides 111 new dwelling units, 41% of which are two-bedroom units or better, in conformance with the vision for the area and the project.

- The project is proposing to meet its affordable housing requirement on-site, creating a socially integrated development.
- The project provides housing within close proximity a transit corridor, being three blocks from the Third Street light rail line.
- The project utilizes common roof decks and courtyards, private decks and a publically accessible open space that separates the two residential buildings to provide all required useable open space on site.
- The project eliminates approximately 60 linear feet of existing curb cuts, and locates the lone vehicle entry at the northern end of the subject property, substantially improving pedestrian and bicycle safety along Indiana Street.
- The proposed design is of high quality, is generally Planning Code compliant and does not seek major exceptions.
- The Proposed Project casts only an additional 0.049% increment of shadow on Esprit Park.
- The General Manager of the Recreation and Parks Department, in consultation with the Recreation and Parks Commission, recommend that the Planning Commission find the additional shadow cast by the proposed project on Esprit Park to not be adverse to its use.
- At current rates, the project will produce approximately \$1,080,910 in development impact fees that will benefit the community and City.
- The project is consistent, on balance, with the objectives and policies of the General Plan.

RECOMMENDATION: Approval with Conditions
--

Attachments:

- Block Book Map
- Sanborn Map
- Aerial Image
- Zoning Map
- Site Image
- Public Correspondence
- Project Sponsor Submittal

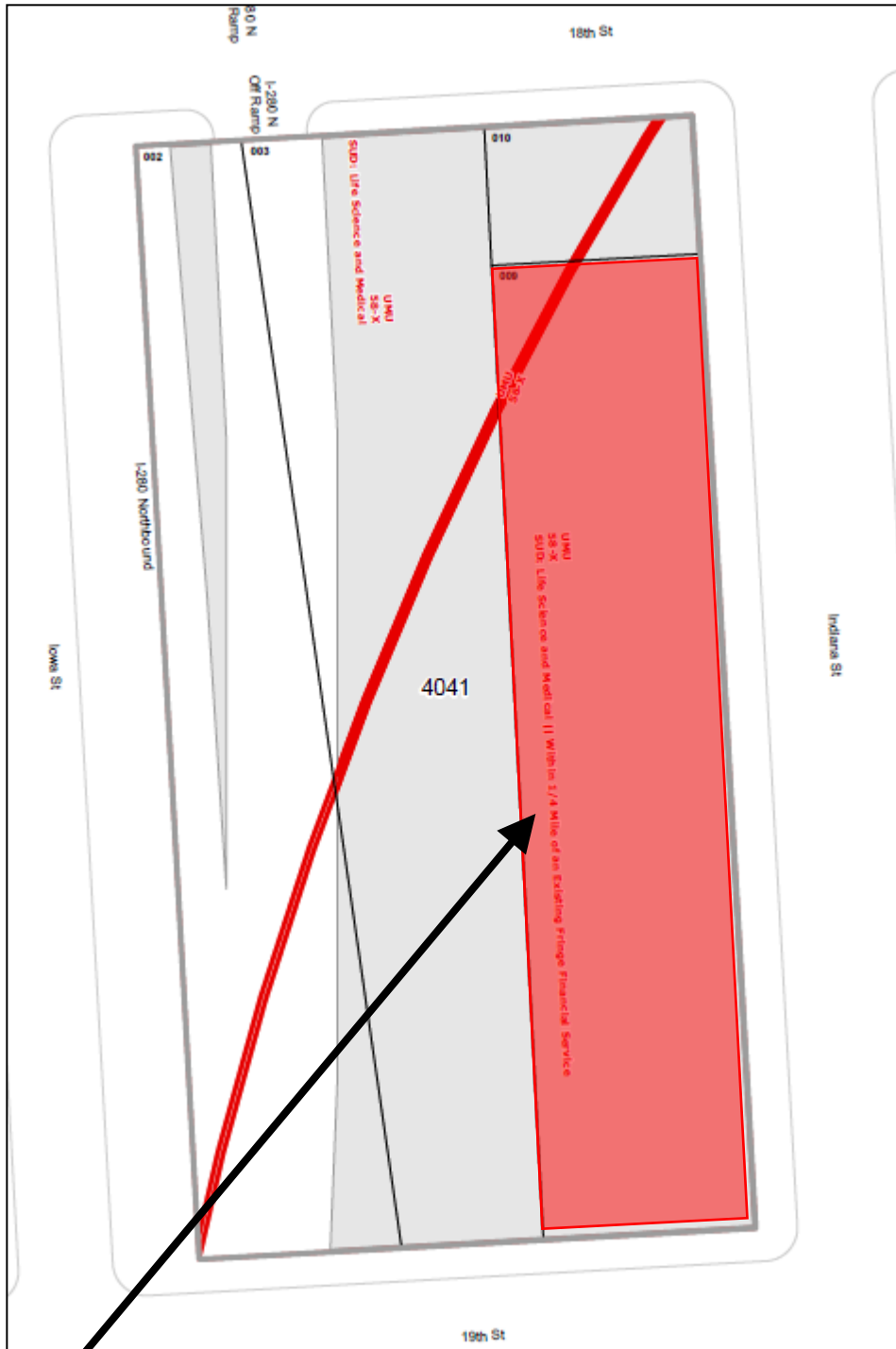
Attachment Checklist

- | | |
|---|---|
| <input checked="" type="checkbox"/> Executive Summary | <input checked="" type="checkbox"/> Project sponsor submittal |
| <input checked="" type="checkbox"/> Draft Motion | Drawings: <u>Existing Conditions</u> |
| <input type="checkbox"/> Environmental Determination | <input checked="" type="checkbox"/> Check for legibility |
| <input checked="" type="checkbox"/> Zoning District Map | Drawings: <u>Proposed Project</u> |
| <input type="checkbox"/> Height & Bulk Map | <input checked="" type="checkbox"/> Check for legibility |
| <input checked="" type="checkbox"/> Parcel Map | 3-D Renderings (new construction or significant addition) |
| <input checked="" type="checkbox"/> Sanborn Map | <input type="checkbox"/> Check for legibility |
| <input checked="" type="checkbox"/> Aerial Photo | <input type="checkbox"/> Wireless Telecommunications Materials |
| <input checked="" type="checkbox"/> Context Photos | <input type="checkbox"/> Health Dept. review of RF levels |
| <input checked="" type="checkbox"/> Site Photos | <input type="checkbox"/> RF Report |
| | <input type="checkbox"/> Community Meeting Notice |
| | <input checked="" type="checkbox"/> Housing Documents |
| | <input checked="" type="checkbox"/> Inclusionary Affordable Housing Program: Affidavit for Compliance |
| | <input checked="" type="checkbox"/> Residential Pipeline |

Exhibits above marked with an "X" are included in this packet

Planner's Initials

Parcel Map

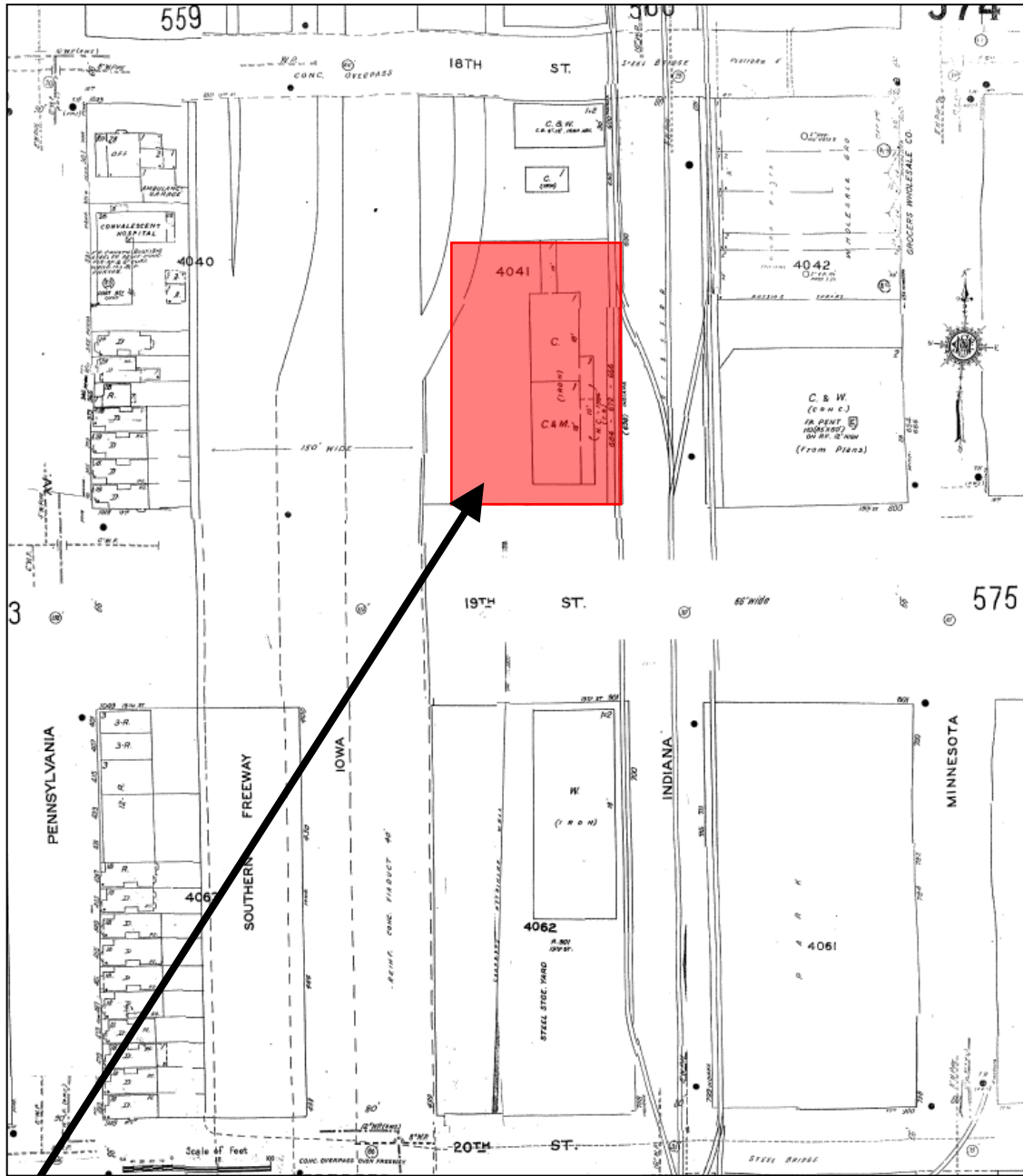


SUBJECT PROPERTY



Large Project Authorization
Case Number **2012.1574KX**
650 Indiana Street

Sanborn Map*



*The Sanborn Maps in San Francisco have not been updated since 1998, and this map may not accurately reflect existing conditions.

SUBJECT PROPERTY



Large Project Authorization
Case Number 2012.1574KX
650 Indiana Street

Aerial Photo

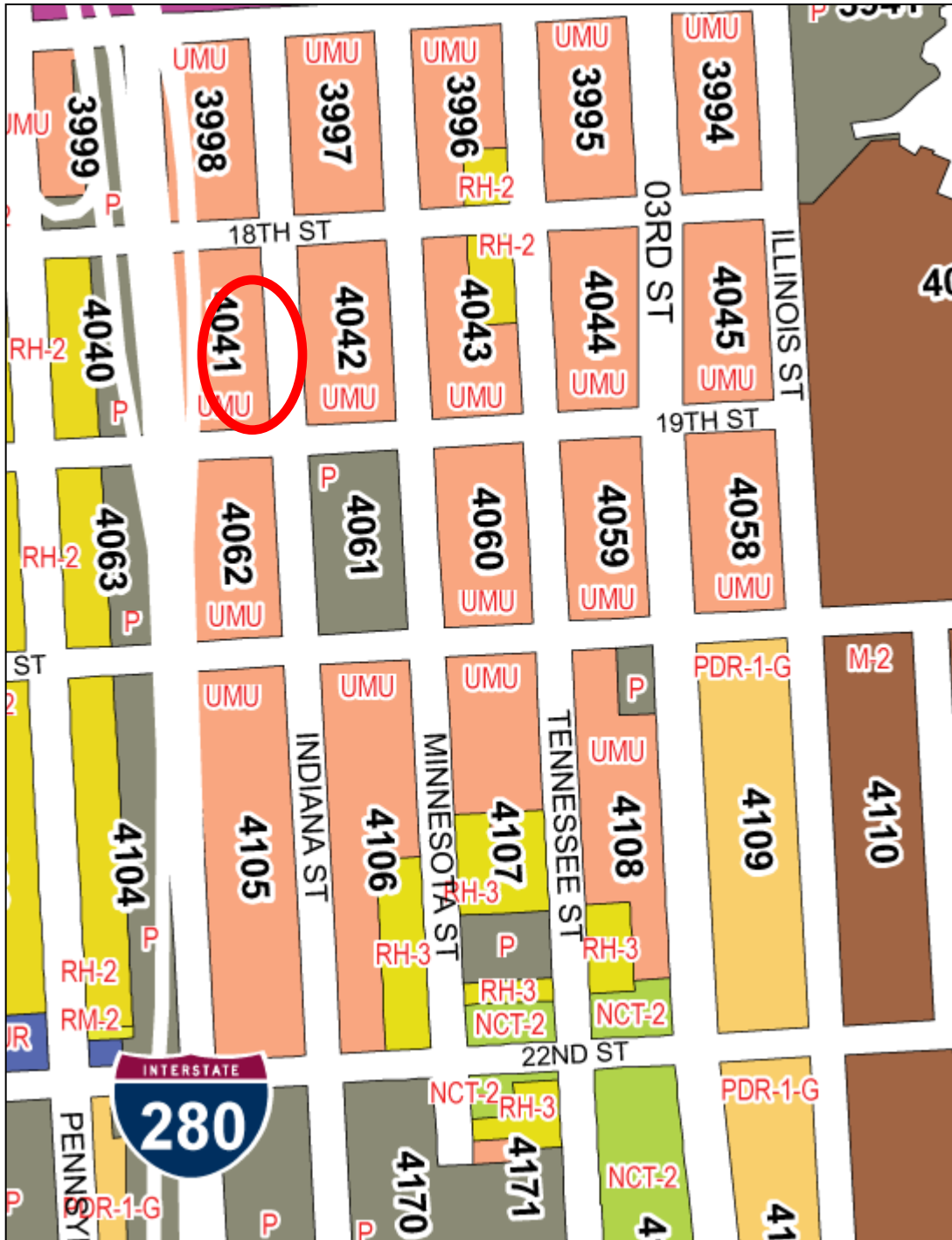


SUBJECT PROPERTY



Large Project Authorization
Case Number 2012.1574KX
650 Indiana Street

Zoning Map



Large Project Authorization
Case Number 2012.1574KX
650 Indiana Street

Site Photo



Large Project Authorization
Case Number 2012.1574KX
650 Indiana Street



SAN FRANCISCO PLANNING DEPARTMENT

MEMO

1650 Mission St.
Suite 400
San Francisco,
CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

RESIDENTIAL PIPELINE ENTITLED HOUSING UNITS 2007 to 2013 Q4

State law requires each city and county to adopt a Housing Element as a part of its general plan. The State Department of Housing and Community Development (HCD) determines a Regional Housing Need (RHNA) that the Housing Element must address. The need is the minimum number of housing units that a region must plan for in each RHNA period.

This table represents completed units and development projects in the current residential pipeline to the fourth quarter of 2013 (Q4). The total number of entitled units is tracked by the San Francisco Planning Department and is updated quarterly in coordination with the *Quarterly Pipeline Report*. Subsidized housing units – including moderate and low income units – as well as inclusionary units are tracked by the Mayor’s Office of Housing; these are also updated quarterly.

2013 QUARTER 4	RHNA Allocation 2007 - 2014	Units Built 2007 - 2013 Q4	Units Entitled in 2013 Q4 Pipeline*	Percent Built and Entitled
Total Units	31,193	13,765	16,129	95.8%
Above Moderate (> 120% AMI)	12,315	8,786	14,596	189.9%
Moderate Income (80 - 120% AMI)	6,754	1,003	217	18.1%
Low Income (< 80% AMI)	12,124	3,976	1,316	43.6%

**These totals do not include three entitled major development projects with a total of 23,714 net new units: Hunters' Point, Treasure Island and ParkMerced. While entitled, these projects are not expected to be completed during the 2007-2014 RHNA reporting period.*



SAN FRANCISCO
PLANNING
DEPARTMENT

AFFIDAVIT FOR Compliance with the Inclusionary Affordable Housing Program

Date: January 11, 2013

Planning Department
1650 Mission Street
Suite 400
San Francisco, CA
94103-9425

To: Applicants subject to Planning Code Section 415: Inclusionary
Affordable Housing Program
From: San Francisco Planning Department

T: 415.558.6378
F: 415.558.6409

Re: Compliance with the Inclusionary Affordable Housing Program

All projects that involve five or more new dwelling units must participate in the *Inclusionary Affordable Housing Program* contained in Section 415 of the Planning Code. Every project subject to Section 415 must pay an Affordable Housing Fee that is equivalent to the applicable percentage of the number of units in the principal project, which is 20% of the total number of units proposed (or the applicable percentage if subject to different area plan controls or requirements).

A project may be eligible for an Alternative to the Affordable Housing Fee if the developer chooses to commit to sell the new on- or off-residential units rather than offer them as rental units. Second, the project may be eligible for an Alternative to the Affordable Housing Fee if it has demonstrated to the Planning Department that the affordable units are not subject to the Costa Hawkins Rental Housing Act. All projects that can demonstrate that they are eligible for an alternative to the Affordable Housing Fee must provide the necessary documentation to the Planning Department and the Mayor's Office of Housing. Additional material may be required to determine if a project is eligible to fulfill the Program's requirements through an alternative.

Before the Planning Department and/or Planning Commission can act on the project, this *Affidavit for Compliance with the Inclusionary Affordable Housing Program* must be completed.

Affidavit for Compliance with the Inclusionary Affordable Housing Program: Planning Code Section 415

03/28/14
Date

I, MICHAEL R YARNE, do hereby declare as follows:

a. The subject property is located at (address and block/lot):

650 INDIANA STREET 4041/009
Address Block / Lot

b. The proposed project at the above address is subject to the Inclusionary Affordable Housing Program, Planning Code Section 415 et seq.

The Planning Case Number and/or Building Permit Number is:

2012.1574E 201312244989, 201312244992
Planning Case Number Building Permit Number

This project requires the following approval:

- Planning Commission approval (e.g. Conditional Use Authorization, Large Project Authorization)
- This project is principally permitted.

The Current Planner assigned to my project within the Planning Department is:

DIEGO SANCHEZ
Planner Name

Is this project within the Eastern Neighborhoods Plan Area?

- Yes (if yes, please indicate Tier) A
- No

This project is exempt from the Inclusionary Affordable Housing Program because:

- This project uses California Debt Limit Allocation Committee (CDLAC) funding.
- This project is 100% affordable.

c. This project will comply with the Inclusionary Affordable Housing Program by:

- Payment of the Affordable Housing Fee prior to the first site or building permit issuance (Planning Code Section 415.5).
- On-site or Off-site Affordable Housing Alternative (Planning Code Sections 415.6 and 416.7).

Affidavit for Compliance with the Inclusionary Affordable Housing Program

d. If the project will comply with the Inclusionary Affordable Housing Program through an **On-site or Off-site Affordable Housing Alternative**, please fill out the following regarding how the project is eligible for an alternative and the accompanying unit mix tables on page 4.

- Ownership.** All affordable housing units will be sold as ownership units and will remain as ownership units for the life of the project.
- Rental.** Exemption from Costa Hawkins Rental Housing Act.² The Project Sponsor has demonstrated to the Department that the affordable units are not subject to the Costa Hawkins Rental Housing Act, under the exception provided in Civil Code Sections 1954.50 through one of the following:
 - Direct financial contribution from a public entity.
 - Development or density bonus or other public form of assistance.
 - Development Agreement with the City. The Project Sponsor has entered into or has applied to enter into a Development Agreement with the City and County of San Francisco pursuant to Chapter 56 of the San Francisco Administrative Code and, as part of that Agreement, is receiving a direct financial contribution, development or density bonus, or other form of public assistance.

e. The Project Sponsor acknowledges that failure to sell the affordable units as ownership units or to eliminate the on-site or off-site affordable ownership-only units at any time will require the Project Sponsor to:

- (1) Inform the Planning Department and the Mayor's Office of Housing and, if applicable, fill out a new affidavit;
- (2) Record a new Notice of Special Restrictions; and
- (3) Pay the Affordable Housing Fee plus applicable interest (using the fee schedule in place at the time that the units are converted from ownership to rental units) and any applicable penalties by law.

f. The Project Sponsor must pay the Affordable Housing Fee in full sum to the Development Fee Collection Unit at the Department of Building Inspection for use by the Mayor's Office of Housing prior to the issuance of the first construction document, with an option for the Project Sponsor to defer a portion of the payment prior to issuance of the first certificate of occupancy upon agreeing to pay a deferral surcharge that would be deposited into the Citywide Affordable Housing Fund in accordance with Section 107A.13.3 of the San Francisco Building Code.

g. I am a duly authorized officer or owner of the subject property.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed on this day in:

315 LINDEN STREET, SF, CA 94102
Location

03/28/14
Date

Michael R Yarne
Signature

MICHAEL R YARNE
Name (Print), Title

415-551-7612
Contact Phone Number

cc: Mayor's Office of Housing
Planning Department Case Docket
Historic File, if applicable
Assessor's Office, if applicable

Unit Mix Tables

NUMBER OF ALL UNITS IN PRINCIPAL PROJECT					
Total Number of Units	SRO	Studios	One-Bedroom Units	Two-Bedroom Units	Three-Bedroom Units
111	N/A	35	31	41	4

If you selected an On-site or Off-Site Alternative, please fill out the applicable section below:

- On-site Affordable Housing Alternative (Charter Section 16.110 (g) and Planning Code Section 415.6): calculated at 12% of the unit total.

NUMBER OF AFFORDABLE UNITS TO BE LOCATED ON-SITE					
Total Affordable Units	SRO	Studios	One-Bedroom Units	Two-Bedroom Units	Three-Bedroom Units
16	N/A	5	4	6	1

- Off-site Affordable Housing Alternative (Planning Code Section 415.7): calculated at 20% of the unit total.

NUMBER OF AFFORDABLE UNITS TO BE LOCATED OFF-SITE					
Total Affordable Units	SRO	Studios	One-Bedroom Units	Two-Bedroom Units	Three-Bedroom Units
Area of Dwellings in Principal Project (in sq. feet)		Off-Site Project Address			
Area of Dwellings in Off-Site Project (in sq. feet)					
Off-Site Block/Lot(s)		Motion No. (if applicable)		Number of Market-Rate Units in the Off-site Project	

- Combination of payment of a fee, on-site affordable units, or off-site affordable units with the following distribution:

Indicate what percent of each option would be implemented (from 0% to 99%) and the number of on-site and/or off-site below market rate units for rent and/or for sale.

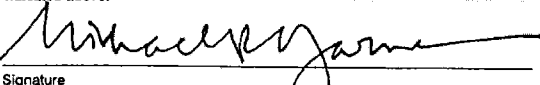
1. Fee _____ % of affordable housing requirement.
2. On-Site _____ % of affordable housing requirement.

NUMBER OF AFFORDABLE UNITS TO BE LOCATED ON-SITE					
Total Affordable Units	SRO	Studios	One-Bedroom Units	Two-Bedroom Units	Three-Bedroom Units

3. Off-Site _____ % of affordable housing requirement.

NUMBER OF AFFORDABLE UNITS TO BE LOCATED OFF-SITE					
Total Affordable Units	SRO	Studios	One-Bedroom Units	Two-Bedroom Units	Three-Bedroom Units
Area of Dwellings in Principal Project (in sq. feet)		Off-Site Project Address			
Area of Dwellings in Off-Site Project (in sq. feet)					
Off-Site Block/Lot(s)		Motion No. (if applicable)		Number of Market-Rate Units in the Off-site Project	

Affidavit for Compliance with the Inclusionary Affordable Housing Program

CONTACT INFORMATION AND DECLARATION OF SPONSOR OF PRINCIPAL PROJECT	CONTACT INFORMATION AND DECLARATION OF SPONSOR OF OFF-SITE PROJECT (IF DIFFERENT)
Company Name BUILD INC	Company Name
Print Name of Contact Person MICHAEL YARNE	Print Name of Contact Person
Address 315 LINDEN STREET	Address
City, State, Zip SAN FRANCISCO, CA 94102	City, State, Zip
Phone, Fax (415) 551-7612, (415) 551-7611	Phone, Fax
Email MICHAEL@BUILDINC.BIZ	Email
I hereby declare that the information herein is accurate to the best of my knowledge and that I intend to satisfy the requirements of Planning Code Section 415 as indicated above.	I hereby declare that the information herein is accurate to the best of my knowledge and that I intend to satisfy the requirements of Planning Code Section 415 as indicated above.
	Signature
Name (Print), Title MICHAEL R YARNE PRINCIPAL	Name (Print), Title

Type	Units					
	Market		BMR		Total	
	#	%	#	%	#	%
Studio	30	27%	5	4.50%	35	32%
1BR	27	24%	4	3.60%	31	28%
2BR	35	32%	6	5.41%	41	37%
3BR	3	3%	1	0.90%	4	4%
Totals/Avg.	95	86%	16	14.41%	111	100%

Free Recording Requested Pursuant to
Government Code Section 27383

When recorded, mail to:
San Francisco Planning Department
1650 Mission Street, Room 400
San Francisco, California 94103
Attn: Director

Lot 9 in Assessor's Block 4041

**AGREEMENT TO PROVIDE ON-SITE AFFORDABLE HOUSING UNITS BETWEEN
THE CITY AND COUNTY OF SAN FRANCISCO AND
650 INDIANA INVESTMENT LLC, RELATIVE TO THE
DEVELOPMENT KNOWN AS 650 INDIANA STREET**

THIS AGREEMENT TO PROVIDE ON-SITE AFFORDABLE HOUSING UNITS ("Agreement") dated for reference purposes only as of this 22 day of APRIL, 2014, is by and between the CITY AND COUNTY OF SAN FRANCISCO, a political subdivision of the State of California (the "City"), acting by and through its Planning Department, and 650 INDIANA INVESTMENT LLC, a California limited liability company ("Developer") with respect to the project approved for 650 Indiana Street (the "Project"). City and Developer are also sometimes referred to individually as a "Party" and together as the "Parties."

RECITALS

This Agreement is made with reference to the following facts:

A. Code Authorization. Chapter 4.3 of the California Government Code directs public agencies to grant concessions and incentives to private developers for the production of housing for lower income households. The Costa-Hawkins Rental Housing Act (California Civil Code Sections 1954.50 et seq., hereafter "Costa-Hawkins Act") imposes limitations on the establishment of the initial and all subsequent rental rates for a dwelling unit with a certificate of occupancy issued after February 1, 1995, with exceptions, including an exception for dwelling units constructed pursuant to a contract with a public entity in consideration for a direct financial contribution or any other form of assistance specified in Chapter 4.3 of the California Government Code (Section 1954.52(b)). Pursuant to Civil Code Section 1954.52(b), the City's Board of Supervisors has enacted as part of the Inclusionary Affordable Housing Program, Planning Code Section 415 et seq, procedures and requirements for entering into an agreement with a private developer to memorialize the concessions and incentives granted to the developer and to provide an exception to the Costa-Hawkins Act for the inclusionary units included in the developer's project.

B. Property Subject to this Agreement. The property that is the subject of this Agreement consists of the real property at the northwest corner of Indiana and 19th Streets, Lot 9 in Assessor's Block 4041 (hereinafter "Property"). The Property is more particularly described in Exhibit A attached hereto. The Property is owned in fee by the Developer.

C. Development Proposal; Intent of the Parties. The Developer proposes to construct a mixed residential and commercial project on the Property, consisting of the development of approximately 111 residential dwelling units and approximately 1,900 gross square feet of ground floor retail space, within two 5- story, up to 58-foot tall structures (the "Project"). City's Planning Commission approved the Project in its Motion No. _____, dated May 1, 2014 (the "Project Approvals"). The dwelling units that are the subject of this Agreement are the Project's on-site inclusionary units representing fourteen and four-tenth percent (14.4%) of the Project's dwelling units, which based on the current Project Approvals and pursuant to Planning Code Section 419, would total 16 inclusionary units (the "Inclusionary Units"). The dwelling units in the Project that are not Inclusionary Units, representing eighty-five and six-tenth percent (85.6%) of the Project's dwelling units, which based on the current Project Approvals would total 95 units, are referred to herein as the "Market Rate Units". This Agreement is not intended to impose restrictions on the Market Rate Units or any portions of the Project other than the Inclusionary Units. The Parties acknowledge that this Agreement is entered into in consideration of the respective burdens and benefits of the Parties contained in this Agreement and in reliance on their agreements, representations and warranties.

D. Inclusionary Affordable Housing Program. The Inclusionary Affordable Housing Program, San Francisco Planning Code Section 415 et seq. (the "Affordable Housing Program") provides that developers of any housing project consisting of ten or more units to pay an Affordable Housing Fee, as defined therein. The Affordable Housing Program provides that developers may be eligible to meet the requirements of the program through the alternative means of entering into an agreement with the City and County of San Francisco pursuant to Chapter 4.3 of the California Government Code for concessions and incentives, pursuant to which the developer covenants to provide affordable on-site units as an alternative to payment of the Affordable Housing Fee to satisfy the requirements of the Affordable Housing Program and in consideration of the City's concessions and incentives.

E. Developer's Election to Provide On-Site Units. Developer has elected to enter into this Agreement to provide the Inclusionary Units in lieu of payment of the Affordable Housing Fee in satisfaction of its obligation under the Affordable Housing Program and to provide for an exception to the rent restrictions of the Costa-Hawkins Act for the Inclusionary Units only.

F. Compliance with All Legal Requirements. It is the intent of the Parties that all acts referred to in this Agreement shall be accomplished in such a way as to fully comply with the California Environmental Quality Act (Public Resources Code Section 21000 et seq., "CEQA"), Chapter 4.3 of the California Government Code, the Costa-Hawkins Act, the San Francisco Planning Code, and all other applicable laws and regulations.

G. Project's Compliance with CEQA. Pursuant to CEQA, the CEQA Guidelines, and Chapter 31 of the San Francisco Administrative Code, the potential significant environmental impacts associated with the Project at the Property in particular were described and analyzed, and mitigation measures that could avoid or reduce those impacts were discussed in the Community Plan Exemption, 650 Indiana Street issued by the Planning Department on March 28, 2014 (the "CPE"). The information in the CPE was considered by all entities with review and approval authority over the Project prior to the approval of the Project.

H. CEQA and General Plan Findings. There have been no substantial changes in the Project which will require major revisions of the CPE, no substantial changes have occurred with respect to the circumstances under which the Project is undertaken which will require major revisions of the CPE, no new information of substantial importance shows that the Project will have one or more significant effects not discussed in the CPE, no mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the Project, such that no subsequent or supplemental environmental review is necessary prior to execution of this Agreement. This Agreement is consistent with the objectives, policies, general land uses and programs specified in the General Plan and any applicable area or specific plan, and the Priority Policies enumerated in Planning Code Section 101.1, as set forth in Planning Commission Motion No. _____.

AGREEMENT

The Parties acknowledge the receipt and sufficiency of good and valuable consideration and agree as follows:

1. GENERAL PROVISIONS

1.1 Incorporation of Recitals and Exhibits. The preamble paragraph, Recitals, and Exhibits, and all defined terms contained therein, are hereby incorporated into this Agreement as if set forth in full.

2. CITY'S DENSITY BONUS AND CONCESSIONS AND INCENTIVES FOR THE INCLUSIONARY UNITS.

2.1 Density Bonus and Concessions and Incentives. The Developer has received the following density bonus and concessions and incentives for the production of the Inclusionary Units on-site.

2.1.1 Project Site Rezoning. On January 19, 2009, the City rezoned the approximately 26,534-square foot Project site from an M-2 zoning district and a 40-X height and bulk district to a UMU district with a 58-X height and bulk district pursuant to Ordinance No. 299-08, to provide a density bonus, concessions and incentives to the Developer. Prior to the rezoning and height and bulk district reclassification, there was a 40-foot height limit on the Property and a residential density limit associated with the M-2 zoning that limited the density of development permitted to a maximum of approximately 33 dwelling units. The rezoning to UMU and the 58-X height and bulk district allowed buildings up to 58 feet in height (rather than 40 feet) and eliminated the residential density limit, providing a density bonus of approximately 78 units for the Project.

2.1.2 Project Approvals. On May 1, 2014, the City's Planning Commission approved the Project Approvals (Motion No. _____). The Project Approvals included exceptions to provide concessions and incentives to the Developer including authorization for large site development requirements, with exceptions for Rear Yard (Planning Code Section 134), Mass Reduction (Sections 270.1), and Dwelling Unit Exposure (Section 140).

2.1.3 Waiver of Affordable Housing Fee. City hereby determines that the Developer has satisfied the requirements of the Affordable Housing Program by covenanting to provide the

Inclusionary Units on-site, as provided in Section 3.1, and accordingly hereby waives the obligation of the Developer to pay the Affordable Housing Fee. City would not be willing to enter into this Agreement and waive the Affordable Housing Fee without the understanding and agreement that Costa-Hawkins Act provisions set forth in California Civil Code section 1954.52(a) do not apply to the Inclusionary Units as a result of the exemption set forth in California Civil Code section 1954.52(b). Upon completion of the Project and identification of the Inclusionary Units, Developer agrees to record a notice of restriction against the Inclusionary Units in the form required by the Affordable Housing Program.

2.2 Costa-Hawkins Act Inapplicable to Inclusionary Units Only.

2.2.1 Inclusionary Units. The parties acknowledge that, under Section 1954.52(b) of the Costa-Hawkins Act, the Inclusionary Units are not subject to the Costa Hawkins Act. Through this Agreement, Developer hereby enters into an agreement with a public entity in consideration for forms of concessions and incentives specified in California Government Code Sections 65915 et seq. The concessions and incentives are comprised of, but not limited to, the concessions and incentives set forth in Section 2.1.

2.2.2 Market Rate Units. The Parties hereby agree and acknowledge that this Agreement does not alter in any manner the way that the Costa-Hawkins Act or any other law, including the City's Rent Stabilization and Arbitration Ordinance (Chapter 37 of the San Francisco Administrative Code) apply to the Market Rate Units.

2.3 Rescission of Project Approvals. The Developer has not yet secured a site permit for the Project. In the event the City rescinds the Project Approvals prior to commencement of construction for the Project, Developer may terminate this Agreement.

3. COVENANTS OF DEVELOPER

3.1 On-Site Inclusionary Affordable Units. In consideration of the concessions and incentives set forth in Section 2.1 and in accordance with the terms and conditions set forth in the Affordable Housing Program and the Project Approvals, upon Developer obtaining its first certificate of occupancy for the residential component of the Project, Developer shall provide fourteen and four-tenth percent (14.4%) of the completed dwelling units as on-site Inclusionary Units, in lieu of payment of the Affordable Housing Fee.

3.2 Developer's Waiver of Rights Under the Costa-Hawkins Act Only as to the Inclusionary Units. The Parties acknowledge that under the Costa-Hawkins Act, the owner of newly constructed residential real property may establish the initial and all subsequent rental rates for dwelling units in the property without regard to the City's Residential Rent Stabilization and Arbitration Ordinance (Chapter 37 of the San Francisco Administrative Code). The Parties also understand and agree that the Costa-Hawkins Act does not and in no way shall limit or otherwise affect the restriction of rental charges for the Inclusionary Units because this Agreement falls within an express exception to the Costa-Hawkins Act as a contract with a public entity in consideration for a direct financial contribution or other forms of assistance specified in Chapter 4.3 (commencing with section 65915) of Division 1 of Title 7 of the California Government Code including but not limited to the density bonus, concessions and incentives specified in Section 2. Developer

acknowledges that the density bonus and concessions and incentives result in identifiable and actual cost reductions to the Project. Should the Inclusionary Units be deemed subject to the Costa-Hawkins Act, as a material part of the consideration for entering into this Agreement, Developer, on behalf of itself and all its successors and assigns to this Agreement, hereby expressly waives, now and forever, any and all rights it may have under the Costa-Hawkins Act with respect only to the Inclusionary Units (but only the Inclusionary Units and not as to the Market Rate Units) consistent with Section 3.1 of this Agreement. Without limiting the forgoing, Developer, on behalf of itself and all successors and assigns to this Agreement, agrees not to bring any legal or other action against City seeking application of the Costa-Hawkins Act to the Inclusionary Units for so long as the Inclusionary Units are subject to the restriction on rental rates pursuant to the Affordable Housing Program. The Parties understand and agree that the City would not be willing to enter into this Agreement without the waivers and agreements set forth in this Section 3.2.

3.3 Developer's Waiver of Right to Seek Waiver of Affordable Housing Program. Developer specifically agrees to be bound by all of the provisions of the Affordable Housing Program applicable to on-site inclusionary units with respect to the Inclusionary Units. Developer covenants and agrees that it will not seek a waiver of the provisions of the Affordable Housing Program applicable to the Inclusionary Units.

3.4 No Obligation to Construct. By entering into this Agreement, Developer is not assuming any obligation to construct the Project, and the covenants of Developer hereunder become operative only in the event Developer elects to proceed with construction of the Project.

4. MUTUAL OBLIGATIONS

4.1 Good Faith and Fair Dealing. The Parties shall cooperate with each other and act in good faith in complying with the provisions of this Agreement and implementing the Project Approvals.

4.2 Other Necessary Acts. Each Party shall execute and deliver to the other all further instruments and documents as may be reasonably necessary to carry out this Agreement, the Project Approvals, the Affordable Housing Program (as applied to the Inclusionary Units) and applicable law in order to provide and secure to each Party the full and complete enjoyment of its rights and privileges hereunder.

4.3 Effect of Future Changes to Affordable Housing Program. The City hereby acknowledges and agrees that, in the event that the City adopts changes to the Affordable Housing Program after the date this Agreement is executed by both Parties, nothing in this Agreement shall be construed to limit or prohibit any rights Developer may have to modify Project requirements with respect to the Inclusionary Units to the extent permitted by such changes to the Affordable Housing Program.

5. DEVELOPER REPRESENTATIONS, WARRANTIES AND COVENANTS.

5.1 Interest of Developer. Developer represents that it is the legal and equitable fee owner of the Property, that it has the power and authority to bind all other persons with legal or equitable interest in the Inclusionary Units to the terms of this Agreement, and that all other persons holding legal or equitable interest in the Inclusionary Units are to be bound by this Agreement.

Developer is a limited liability company, duly organized and validly existing and in good standing under the laws of the State of California. Developer has all requisite power and authority to own property and conduct business as presently conducted. Developer has made all filings and is in good standing in the State of California.

5.2 No Conflict With Other Agreements; No Further Approvals; No Suits. Developer warrants and represents that it is not a party to any other agreement that would conflict with the Developer's obligations under this Agreement. Neither Developer's articles of organization, bylaws, or operating agreement, as applicable, nor any other agreement or law in any way prohibits, limits or otherwise affects the right or power of Developer to enter into and perform all of the terms and covenants of this Agreement. No consent, authorization or approval of, or other action by, and no notice to or filing with, any governmental authority, regulatory body or any other person is required for the due execution, delivery and performance by Developer of this Agreement or any of the terms and covenants contained in this Agreement. To Developer's knowledge, there are no pending or threatened suits or proceedings or undischarged judgments affecting Developer or any of its members before any court, governmental agency, or arbitrator which might materially adversely affect Developer's business, operations, or assets or Developer's ability to perform under this Agreement.

5.3 Priority of Agreement. Developer warrants and represents that there is no prior lien or encumbrance against the Property which, upon foreclosure, would be free and clear of the obligations set forth in this Agreement.

5.4 No Inability to Perform; Valid Execution. Developer warrants and represents that it has no knowledge of any inability to perform its obligations under this Agreement. The execution and delivery of this Agreement and the agreements contemplated hereby by Developer have been duly and validly authorized by all necessary action. This Agreement will be a legal, valid and binding obligation of Developer, enforceable against Developer in accordance with its terms.

5.5 Conflict of Interest. Through its execution of this Agreement, the Developer acknowledges that it is familiar with the provisions of Section 15.103 of the City's Charter, Article III, Chapter 2 of the City's Campaign and Governmental Conduct Code, and Section 87100 et seq. and Section 1090 et seq. of the California Government Code, and certifies that it does not know of any facts which constitute a violation of said provisions and agrees that it will immediately notify the City if it becomes aware of any such fact during the term of this Agreement.

5.6 Notification of Limitations on Contributions. Through execution of this Agreement, the Developer acknowledges that it is familiar with Section 1.126 of City's Campaign and Governmental Conduct Code, which prohibits any person who contracts with the City, whenever such transaction would require approval by a City elective officer or the board on which that City elective officer serves, from making any campaign contribution to the officer at any time from the commencement of negotiations for the contract until three (3) months after the date the contract is approved by the City elective officer or the board on which that City elective officer serves. San Francisco Ethics Commission Regulation 1.126-1 provides that negotiations are commenced when a prospective contractor first communicates with a City officer or employee about the possibility of obtaining a specific contract. This communication may occur in person, by telephone or in writing, and may be initiated by the prospective contractor or a City officer or employee. Negotiations are

completed when a contract is finalized and signed by the City and the contractor. Negotiations are terminated when the City and/or the prospective contractor end the negotiation process before a final decision is made to award the contract.

5.7 Nondiscrimination. In the performance of this Agreement, Developer agrees not to discriminate on the basis of the fact or perception of a person's, race, color, creed, religion, national origin, ancestry, age, height, weight, sex, sexual orientation, gender identity, domestic partner status, marital status, disability or Acquired Immune Deficiency Syndrome or HIV status (AIDS/HIV status), or association with members of such protected classes, or in retaliation for opposition to discrimination against such classes, against any City employee, employee of or applicant for employment with the Developer, or against any bidder or contractor for public works or improvements, or for a franchise, concession or lease of property, or for goods or services or supplies to be purchased by the Developer. A similar provision shall be included in all subordinate agreements let, awarded, negotiated or entered into by the Developer for the purpose of implementing this Agreement.

6. AMENDMENT; TERMINATION

6.1 Amendment or Termination. Except as provided in Sections 6.2 (Automatic Termination) and 8.3 (Remedies for Default), this Agreement may only be amended or terminated with the mutual written consent of the Parties.

6.1.1 Amendment Exemptions. No amendment of a Project Approval or Subsequent Approval, or the approval of a Subsequent Approval, shall require an amendment to this Agreement. Upon approval, any such matter shall be deemed to be incorporated automatically into the Project and this Agreement (subject to any conditions set forth in the amendment or Subsequent Approval). Notwithstanding the foregoing, in the event of any direct conflict between the terms of this Agreement and a Subsequent Approval, or between this Agreement and any amendment to a Project Approval or Subsequent Approval, then the terms of this Agreement shall prevail and any amendment to this Agreement shall be accomplished as set forth in Section 6.1 above.

6.2 Automatic Termination. This Agreement shall automatically terminate in the event that the Inclusionary Units are no longer subject to regulation as to the rental rates of the Inclusionary Units and/or the income level of households eligible to rent the Inclusionary Units under the Affordable Housing Program, or successor program.

7. TRANSFER OR ASSIGNMENT; RELEASE; RIGHTS OF MORTGAGEES; CONSTRUCTIVE NOTICE

7.1 Agreement Runs With The Land. Developer may assign or transfer its duties and obligations under this Agreement to another entity, provided such entity is the legal and equitable fee owner of the Property ("Transferee"). As provided in Section 9.2, this Agreement runs with the land and any Transferee will be bound by all of the terms and conditions of this Agreement.

7.2 Rights of Developer. The provisions in this Section 7 shall not be deemed to prohibit or otherwise restrict Developer from (i) granting easements or licenses to facilitate development of the Property, (ii) encumbering the Property or any portion of the improvements thereon by any mortgage, deed of trust, or other device securing financing with respect to the Property or Project,

(iii) granting a leasehold interest in all or any portion of the Property, or (iv) transferring all or a portion of the Property pursuant to a sale, transfer pursuant to foreclosure, conveyance in lieu of foreclosure, or other remedial action in connection with a mortgage. None of the terms, covenants, conditions, or restrictions of this Agreement or the other Project Approvals shall be deemed waived by City by reason of the rights given to the Developer pursuant to this Section 7.2. Furthermore, although the Developer initially intends to operate the Project on a rental basis, nothing in this Agreement shall prevent Developer from later selling all or part of the Project on a condominium basis, provided that such sale is permitted by, and complies with, all applicable City and State laws including, but not limited to that, with respect to any inclusionary units, those shall only be sold pursuant to the City Procedures for sale of inclusionary units under the Affordable Housing Program.

7.3 Developer's Responsibility for Performance. If Developer transfers or assigns all or any portion of the Property or any interest therein to any other person or entity, Developer shall continue to be responsible for performing the obligations under this Agreement as to the transferred property interest until such time as there is delivered to the City a legally binding agreement pursuant to which the Transferee assumes and agrees to perform Developer's obligations under this Agreement from and after the date of transfer of the Property (or an interest therein) to the Transferee (an "Assignment and Assumption Agreement"). The City is entitled to enforce each and every such obligation assumed by the Transferee directly against the Transferee as if the Transferee were an original signatory to this Agreement with respect to such obligation. Accordingly, in any action by the City against a Transferee to enforce an obligation assumed by the Transferee, the Transferee shall not assert any defense against the City's enforcement of performance of such obligation that is attributable to Developer's breach of any duty or obligation to the Transferee arising out of the transfer or assignment, the Assignment and Assumption Agreement, the purchase and sale agreement, or any other agreement or transaction between the Developer and the Transferee. The transferor Developer shall remain responsible for the performance of all of its obligations under the Agreement prior to the date of transfer, and shall remain liable to the City for any failure to perform such obligations prior to the date of the transfer.

7.4 Release Upon Transfer or Assignment. Upon the Developer's transfer or assignment of all or a portion of the Property or any interest therein, including the Developer's rights and interests under this Agreement, the Developer shall be released from any obligations required to be performed from and after the date of transfer under this Agreement with respect to the portion of the Property so transferred; provided, however, that (i) the Developer is not then in default under this Agreement and (ii) the Transferee executes and delivers to the City the legally binding Assignment and Assumption Agreement. Following any transfer, in accordance with the terms of this Section 7, a default under this Agreement by the Transferee shall not constitute a default by the Developer under this Agreement and shall have no effect upon the Developer's rights under this Agreement as to the remaining portions of the Property owned by the Developer. Further, a default under this Agreement by the Developer as to any portion of the Property not transferred or a default under this agreement by the Developer prior to the date of transfer shall not constitute a default by the Transferee and shall not affect any of Transferee's rights under this Agreement.

7.5 Rights of Mortgagees; Not Obligated to Construct; Right to Cure Default.

7.5.1 Notwithstanding anything to the contrary contained in this Agreement (including without limitation those provisions that are or are intended to be covenants running with

the land), a mortgagee, including any mortgagee who obtains title to the Property or any portion thereof as a result of foreclosure proceedings or conveyance or other action in lieu thereof, or other remedial action, (“Mortgagee”) shall not be obligated under this Agreement to construct or complete the Inclusionary Units required by this Agreement or to guarantee their construction or completion solely because the Mortgagee holds a mortgage or other interest in the Property or this Agreement. The foregoing provisions shall not be applicable to any other party who, after such foreclosure, conveyance, or other action in lieu thereof, or other remedial action, obtains title to the Property or a portion thereof from or through the Mortgagee or any other purchaser at a foreclosure sale other than the Mortgagee itself. A breach of any obligation secured by any mortgage or other lien against the mortgaged interest or a foreclosure under any mortgage or other lien shall not by itself defeat, diminish, render invalid or unenforceable, or otherwise impair the obligations or rights of the Developer under this Agreement.

7.5.2 Subject to the provisions of the first sentence of Section 7.5.1, any person, including a Mortgagee, who acquires title to all or any portion of the mortgaged property by foreclosure, trustee’s sale, deed in lieu of foreclosure, or otherwise shall succeed to all of the rights and obligations of the Developer under this Agreement and shall take title subject to all of the terms and conditions of this Agreement. Nothing in this Agreement shall be deemed or construed to permit or authorize any such holder to devote any portion of the Property to any uses, or to construct any improvements, other than the uses and improvements provided for or authorized by the Project Approvals and this Agreement.

7.5.3 If City receives a written notice from a Mortgagee or from Developer requesting a copy of any Notice of Default delivered to Developer and specifying the address for service thereof, then City shall deliver to such Mortgagee at such Mortgagee’s cost (or Developer’s cost), concurrently with service thereon to Developer, any Notice of Default delivered to Developer under this Agreement. In accordance with Section 2924 of the California Civil Code, City hereby requests that a copy of any notice of default and a copy of any notice of sale under any mortgage or deed of trust be mailed to City at the address shown on the first page of this Agreement for recording.

7.5.4 A Mortgagee shall have the right, at its option, to cure any default or breach by the Developer under this Agreement within the same time period as Developer has to remedy or cause to be remedied any default or breach, plus an additional period of (i) thirty (30) calendar days to cure a default or breach by the Developer to pay any sum of money required to be paid hereunder and (ii) ninety (90) days to cure or commence to cure a non-monetary default or breach and thereafter to pursue such cure diligently to completion. Mortgagee may add the cost of such cure to the indebtedness or other obligation evidenced by its mortgage, provided that if the breach or default is with respect to the construction of the improvements on the Property, nothing contained in this Section or elsewhere in this Agreement shall be deemed to permit or authorize such Mortgagee, either before or after foreclosure or action in lieu thereof or other remedial measure, to undertake or continue the construction or completion of the improvements (beyond the extent necessary to conserve or protect improvements or construction already made) without first having expressly assumed the obligation to the City, by written agreement reasonably satisfactory to the City, to complete in the manner provided in this Agreement the improvements on the Property or the part thereof to which the lien or title of such Mortgagee relates.

7.5.5 If at any time there is more than one mortgage constituting a lien on any portion of the Property, the lien of the Mortgagee prior in lien to all others on that portion of the mortgaged property shall be vested with the rights under this Section 7.5 to the exclusion of the holder of any junior mortgage; provided that if the holder of the senior mortgage notifies the City that it elects not to exercise the rights sets forth in this Section 7.5, then each holder of a mortgage junior in lien in the order of priority of their respective liens shall have the right to exercise those rights to the exclusion of junior lien holders. Neither any failure by the senior Mortgagee to exercise its rights under this Agreement nor any delay in the response of a Mortgagee to any notice by the City shall extend Developer's or any Mortgagee's rights under this Section 7.5. For purposes of this Section 7.5, in the absence of an order of a court of competent jurisdiction that is served on the City, a then current title report of a title company licensed to do business in the State of California and having an office in the City setting forth the order of priority of lien of the mortgages shall be reasonably relied upon by the City as evidence of priority.

7.6 Constructive Notice. Every person or entity who now or hereafter owns or acquires any right, title or interest in or to any portion of the Project or the Property is and shall be constructively deemed to have consented and agreed to every provision contained herein, whether or not any reference to this Agreement is contained in the instrument by which such person acquired an interest in the Project or the Property.

8. ENFORCEMENT OF AGREEMENT; REMEDIES FOR DEFAULT; DISPUTE RESOLUTION

8.1 Enforcement. The only parties to this Agreement are the City and the Developer. This Agreement is not intended, and shall not be construed, to benefit or be enforceable by any other person or entity whatsoever.

8.2 Default. For purposes of this Agreement, the following shall constitute a default under this Agreement: the failure to perform or fulfill any material term, provision, obligation, or covenant hereunder and the continuation of such failure for a period of thirty (30) calendar days following a written notice of default and demand for compliance; provided, however, if a cure cannot reasonably be completed within thirty (30) days, then it shall not be considered a default if a cure is commenced within said 30-day period and diligently prosecuted to completion thereafter, but in no event later than one hundred twenty (120) days.

8.3 Remedies for Default. In the event of an uncured default under this Agreement, the remedies available to a Party shall include specific performance of the Agreement in addition to any other remedy available at law or in equity. In addition, the non-defaulting Party may terminate this Agreement subject to the provisions of this Section 8 by sending a Notice of Intent to Terminate to the other Party setting forth the basis for the termination. The Agreement will be considered terminated effective upon receipt of a Notice of Termination. The Party receiving the Notice of Termination may take legal action available at law or in equity if it believes the other Party's decision to terminate was not legally supportable.

8.4 No Waiver. Failure or delay in giving notice of default shall not constitute a waiver of default, nor shall it change the time of default. Except as otherwise expressly provided in this Agreement, any failure or delay by a Party in asserting any of its rights or remedies as to any default

shall not operate as a waiver of any default or of any such rights or remedies; nor shall it deprive any such Party of its right to institute and maintain any actions or proceedings that it may deem necessary to protect, assert, or enforce any such rights or remedies.

9. MISCELLANEOUS PROVISIONS

9.1 Entire Agreement. This Agreement, including the preamble paragraph, Recitals and Exhibits, constitute the entire understanding and agreement between the Parties with respect to the subject matter contained herein.

9.2 Binding Covenants; Run With the Land. From and after recordation of this Agreement, all of the provisions, agreements, rights, powers, standards, terms, covenants and obligations contained in this Agreement shall be binding upon the Parties, and their respective heirs, successors (by merger, consolidation, or otherwise) and assigns, and all persons or entities acquiring the Property, any lot, parcel or any portion thereof, or any interest therein, whether by sale, operation of law, or in any manner whatsoever, and shall inure to the benefit of the Parties and their respective heirs, successors (by merger, consolidation or otherwise) and assigns. Regardless of whether the procedures in Section 7 are followed, all provisions of this Agreement shall be enforceable during the term hereof as equitable servitudes and constitute covenants and benefits running with the land pursuant to applicable law, including but not limited to California Civil Code Section 1468.

9.3 Applicable Law and Venue. This Agreement has been executed and delivered in and shall be interpreted, construed, and enforced in accordance with the laws of the State of California. All rights and obligations of the Parties under this Agreement are to be performed in the City and County of San Francisco, and such City and County shall be the venue for any legal action or proceeding that may be brought, or arise out of, in connection with or by reason of this Agreement.

9.4 Construction of Agreement. The Parties have mutually negotiated the terms and conditions of this Agreement and its terms and provisions have been reviewed and revised by legal counsel for both City and Developer. Accordingly, no presumption or rule that ambiguities shall be construed against the drafting Party shall apply to the interpretation or enforcement of this Agreement. Language in this Agreement shall be construed as a whole and in accordance with its true meaning. The captions of the paragraphs and subparagraphs of this Agreement are for convenience only and shall not be considered or referred to in resolving questions of construction. Each reference in this Agreement to this Agreement or any of the Project Approvals shall be deemed to refer to the Agreement or the Project Approval as it may be amended from time to time pursuant to the provisions of the Agreement, whether or not the particular reference refers to such possible amendment.

9.5 Project Is a Private Undertaking; No Joint Venture or Partnership.

9.5.1 The development proposed to be undertaken by Developer on the Property is a private development. The City has no interest in, responsibility for, or duty to third persons concerning any of said improvements. The Developer shall exercise full dominion and control over the Property, subject only to the limitations and obligations of the Developer contained in this Agreement or in the Project Approvals.

9.5.2 Nothing contained in this Agreement, or in any document executed in connection with this Agreement, shall be construed as creating a joint venture or partnership between the City and the Developer. Neither Party is acting as the agent of the other Party in any respect hereunder. The Developer is not a state or governmental actor with respect to any activity conducted by the Developer hereunder.

9.6 Signature in Counterparts. This Agreement may be executed in duplicate counterpart originals, each of which is deemed to be an original, and all of which when taken together shall constitute one and the same instrument.

9.7 Time of the Essence. Time is of the essence in the performance of each and every covenant and obligation to be performed by the Parties under this Agreement.

9.8 Notices. Any notice or communication required or authorized by this Agreement shall be in writing and may be delivered personally or by registered mail, return receipt requested. Notice, whether given by personal delivery or registered mail, shall be deemed to have been given and received upon the actual receipt by any of the addressees designated below as the person to whom notices are to be sent. Either Party to this Agreement may at any time, upon written notice to the other Party, designate any other person or address in substitution of the person and address to which such notice or communication shall be given. Such notices or communications shall be given to the Parties at their addresses set forth below:

To City:

John Rahaim
Director of Planning
San Francisco Planning Department
1650 Mission Street
San Francisco, California 94102

with a copy to:

Dennis J. Herrera, Esq.
City Attorney
City Hall, Room 234
1 Dr. Carlton B. Goodlett Place
San Francisco, CA 94102
Attn: Evan A. Gross

To Developer:

650 INDIANA INVESTMENT LLC
c/o Build, Inc.
315 Linden Street
San Francisco, CA 94102
Attn: Michael Yarne

with a copy to:

Steven L. Vettel
Farella Braun + Martel LLP
235 Montgomery Street
San Francisco, CA 94104

9.9 Severability. If any term, provision, covenant, or condition of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions of this Agreement shall continue in full force and effect unless enforcement of the remaining portions of the Agreement would be unreasonable or grossly inequitable under all the circumstances or would frustrate the purposes of this Agreement.

9.10 MacBride Principles. The City urges companies doing business in Northern Ireland to move toward resolving employment inequities and encourages them to abide by the MacBride Principles as expressed in San Francisco Administrative Code Section 12F.1 et seq. The City also urges San Francisco companies to do business with corporations that abide by the MacBride Principles. Developer acknowledges that it has read and understands the above statement of the City concerning doing business in Northern Ireland.

9.11 Tropical Hardwood and Virgin Redwood. The City urges companies not to import, purchase, obtain or use for any purpose, any tropical hardwood, tropical hardwood wood product, virgin redwood, or virgin redwood wood product.

9.12 Sunshine. The Developer understands and agrees that under the City's Sunshine Ordinance (San Francisco Administrative Code, Chapter 67) and the State Public Records Law (Gov't Code Section 6250 et seq.), this Agreement and any and all records, information, and materials submitted to the City hereunder public records subject to public disclosure.

9.13 Effective Date. This Agreement will become effective on the date that the last Party duly executes and delivers this Agreement.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement as of the day and year first above written.

CITY

CITY AND COUNTY OF SAN FRANCISCO,
a municipal corporation

Approved as to form:
Dennis J. Herrera, City Attorney

By: _____
John Rahaim
Director of Planning

By: _____
Evan A. Gross
Deputy City Attorney

DEVELOPER

650 INDIANA INVESTMENT LLC,
a California limited liability company

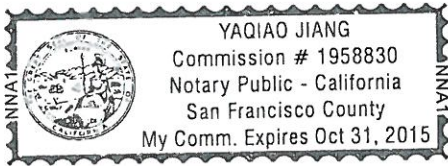
By: 
Its Managing Member

By: LOUIS A. VASQUEZ

Its: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT
CIVIL CODE § 1189

State of California }
County of San Francisco }
On 4/22/14 before me, YAQIAO JIANG (Notary Public)
Date Name and Title of the Officer
personally appeared Louis Vasquez
Name(s) of Signer(s)



Place Notary Seal Above

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: YAQIAO JIANG
Signature of Notary Public

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Agreement To provide On-Site Affordable Housing Units between San Francisco City And 650 Indiana Investment LLC. Document Date: 4/22/14
Number of Pages: 14 Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____

Signer's Name: _____
 Corporate Officer — Title(s): _____
 Partner — Limited General
 Individual Attorney in Fact
 Trustee Guardian or Conservator
 Other: _____

Signer Is Representing: _____

Signer Is Representing: _____

ACKNOWLEDGMENT

STATE OF CALIFORNIA

COUNTY OF SAN FRANCISCO

The foregoing instrument was acknowledged before me this _____ (date) by
_____ (name of acknowledging partner or agent),
partner (or agent) on behalf of _____ (name of partnership), a
partnership.

Notary Public

Title (and Rank): _____

Printed Name: _____

My Commission Expires:

Serial Number, if any:

ACKNOWLEDGMENT

STATE OF CALIFORNIA

COUNTY OF SAN FRANCISCO

The foregoing instrument was acknowledged before me this _____ (date) by
_____ (name of acknowledging partner or agent),
partner (or agent) on behalf of _____ (name of partnership), a
partnership.

Notary Public

Title (and Rank): _____

Printed Name: _____

My Commission Expires:

Serial Number, if any:

29875\4299336.1

Sanchez, Diego (CPC)

From: Stephanie Tsai <stephtsai@gmail.com>
Sent: Thursday, April 17, 2014 1:39 PM
To: Sanchez, Diego (CPC); lauren@buildinc.biz
Subject: Support for Build Inc's project at 650 Indiana St

Dear Mr. Sanchez and Planning Commissioners,

I am writing to express my support for Build Inc's proposed residential project at 650 Indiana Street that will be heard at Planning Commission on May 1st. I spend a lot of time in the Dogpatch at Dogpatch Boulders and am a supporter of more residential development in San Francisco.

I am in enthusiastic support of the project for a variety of reasons:

- New housing decreases competition for housing in a high priced market. Every new dwelling unit developed removes one resident/family from competing with existing residents.
- More people = a safer Dogpatch. I would love to feel as confident walking down 3rd Street at 9pm as I do on Valencia or Fillmore.
- The project supports housing at a variety of income levels through the creation of both market rate and below market rate housing.

I hope that you will approve this project so that work may commence as soon as possible!

Sincerely,

Stephanie Tsai

Sanchez, Diego (CPC)

From: Eve Alexander <eve.alexander@gmail.com>
Sent: Thursday, April 17, 2014 12:32 PM
To: Sanchez, Diego (CPC); lauren@buildinc.biz
Subject: 650 Indiana St project

Dear Mr. Sanchez and Planning Commissioners,

I am writing to express my support for Build Inc's proposed residential project at 650 Indiana Street that will be heard at Planning Commission on May 1st. Although I currently live in the Mission, I enjoy spending time in the Dogpatch -- at Dogpatch Boulders and Mr. & Mrs. Miscellaneous to name a few of my favorites. As I think about the next few years, I would easily consider relocating to the Dogpatch -- assuming housing were available and reasonably priced. That's precisely why I am in enthusiastic support of the project.

New housing decreases competition for housing in a high priced market. In San Francisco, we're lucky to have a tremendously hot job market, drawing people to our city from all over the world (32,000 in just the last 3 years according to the census). Yet, we're not keeping pace when it comes to housing, averaging only 1,500 new units per year over the past two decades (according to SPUR). These trends are creating insanely high rents for me and my friends, putting pressure on us to consider moving out of San Francisco altogether. Every new dwelling unit developed reduces competition, and therefore makes the city a more viable place for me and my friends to live.

Moreover, I appreciate that this project supports housing at a variety of income levels through the creation of both market rate and below market rate housing. That means SF will be viable not just for me, but also for people of all socio-economic statuses.

I hope that you will approve this project so that work may commence as soon as possible!

Sincerely,

Eve Alexander

12 Oakwood St, Apt 10

SF, CA 94110

Sanchez, Diego (CPC)

From: Michaela <mhugnelsen@gmail.com>
Sent: Monday, April 14, 2014 5:18 PM
To: Sanchez, Diego (CPC)
Subject: 650 Indiana St.

Dear Mr. Sanchez and Planning Commissioners,

As a Dogpatch resident, I'm writing to express my support for Build Inc's proposed residential project at 650 Indiana St. that will be heard at Planning Commission on May 1st.

The Build inc team has been completely forthcoming and responsive to the local community, from sharing their initial concepts to incorporating specific suggestions from the neighbors. They have consistently been responsive to the neighborhood as they develop and refine their plans.

This project will be a wonderful addition to our neighborhood and help set a standard for high-quality design along Indiana St. continuing their commitment to architectural and aesthetic integrity in the neighborhood.

I hope that you will approve this project so that work may commence as soon as possible!

Thanks very much for your support for a positive addition to our neighborhood.

Sincerely,
Michaela Hug-Nelsen
810 Minnesota St
SF, CA 94107



22ND STREET @ PENNSYLVANIA AVE
DOGPATCH | POTRERO HILL | SAN FRANCISCO

April 13, 2014

To Whom It May Concern:

It is my pleasure to write a letter in support of the proposed Dogpatch Arts Plaza at Indiana and 19th Streets.

As a resident of Dogpatch and as an active member of the Dogpatch Neighbors Association, I feel strongly about my neighborhood's need for additional open space, as well as places of community engagement and interaction. I believe the Dogpatch Arts Plaza to be an exciting opportunity to address these needs. I am particularly impressed by the way the design of the proposed plaza builds on Dogpatch's artistic and industrial heritage in a unique way, and am happy to see that the plaza would engage with existing nearby public spaces, such as Esprit Park and the eventual Crane Cove Park.

I fully support this project, and the use of impact fees to help fund it. I encourage the Planning Commission to enter into an in-kind agreement with the Project Sponsor, as recommended by the Eastern Neighborhoods Citizens Advisory Committee.

Thank you,

Sincerely,



Alex Goretsky

Sanchez, Diego (CPC)

From: Joe Wadcan <joe@wadcan.com>
Sent: Saturday, April 12, 2014 2:11 PM
To: Sanchez, Diego (CPC); lauren@buildinc.biz
Subject: I'm all for the 650 Indiana St. project!

Hi Diego and Lauren!

I'm a part of the Dogpatch Neighborhood Association, but i actually live just over 280 on the Potrero side (by Pennsylvania). Anyway, I know DNA is reviewing the proposal for 650 Indiana St. and I wanted to voice my support for the project. The folks in DNA can be a little loud and moderates like me tend to get drowned out when voicing support for a project like this. I think it's great for our community, and really like the Dogpatch Arts Plaza concept. We need a greater concentration of people in Dogpatch and this building looks well done without messing with the character of the 'hood. Hope it gets approved.

Joe

Sanchez, Diego (CPC)

From: Mateo Bueno <mbuenon@gmail.com>
Sent: Tuesday, April 08, 2014 7:28 PM
To: Sanchez, Diego (CPC); lauren@buildinc.biz
Subject: In support of 650 Indiana St. Project

Subject: 650 Indiana St.
Diego Sanchez
diego.sanchez@sfgov.org

Dear Mr. Sanchez and Planning Commissioners,

As a resident of the Dogpatch, I am writing to express my support for Build Inc's proposed residential project at 650 Indiana Street that will be heard at Planning Commission on May 1st.

The development team has consistently been forthcoming, inclusive and responsive to the local community, from sharing their initial concepts to incorporating specific suggestions from the neighbors as they develop and refine their plans.

I am enthusiastic about the project for a few reasons:

- The city is in dire need of higher density housing near major transit lines. 650 Indiana is a great addition to the set of solutions we need
- The project will add to a safer and more economically vibrant Dogpatch with more residents in this area supporting small Dogpatch businesses.
- New housing decreases competition for housing in a high priced market. Every new dwelling unit developed removes one resident/family from competing with existing residents.
- The project supports housing at a variety of income levels through the creation of both market rate and below market rate housing.

I hope that you will approve this project so that work may commence as soon as possible!

Thanks very much for your support for a positive addition to our neighborhood.

Sincerely,

Mateo Bueno
1122 Tennessee St.

April 5, 2014

Subject: 650 Indiana St.

Diego Sanchez diego.sanchez@sfgov.org

Dear Mr. Sanchez and Planning Commissioners,

As a Dogpatch business owner, I'm writing to express my support for Build Inc's proposed residential project at 650 Indiana St. that will be heard at Planning Commission on May 1st.

The Build inc team has clearly demonstrated the quality of their design and their ability to produce projects that are a true asset to any neighborhood. We are particularly fortunate to have the Dogpatch Lofts on Minnesota street as an addition to the neighborhood.

Thanks very much for your support for a positive addition to our neighborhood.

Sincerely,

Christopher Irion

1131 Tennessee Street

San Francisco, CA

94107

Sanchez, Diego (CPC)

From: jchatfield@dogpatchmassage.com
Sent: Friday, April 04, 2014 8:14 AM
To: Sanchez, Diego (CPC)
Subject: 650 Indiana Street

April 4 2014

Dear Mr. Sanchez and Planning Commissioners,

As a Dogpatch business owner, I'm writing to express my support for Build Inc's proposed residential project at 650 Indiana St. that will be heard at Planning Commission on May 1st.

The Build inc team has been completely forthcoming and responsive to the local community, from sharing their initial concepts to incorporating specific suggestions from the neighbors. They have consistently been responsive to the neighborhood as they develop and refine their plans.

This project will be a wonderful addition to our neighborhood and help set a standard for high-quality design along Indiana St. continuing their commitment to architectural and aesthetic integrity in the neighborhood.

I hope that you will approve this project so that work may commence as soon as possible!

Thanks very much for your support for a positive addition to our neighborhood.

Sincerely,

Jennifer Chatfield

"Tension is who you think you should be, Relaxation is who you are"
~Chinese Proverb

Jennifer Chatfield
415-506-7502

www.dogpatchmassage.com
jchatfield@dogpatchmassage.com
[yelp reviews](#)

DogPatch Massage and Bodywork
2325 3rd Street, Suite 19
San Francisco, CA 94107
[Map](#)

the **bookkeeper**

April 3, 2014

San Francisco Planning Department
1650 Mission Street, Suite 400
San Francisco, CA 94103

RE: 650 Indiana St.

Dear Mr. Sanchez and Planning Commissioners,

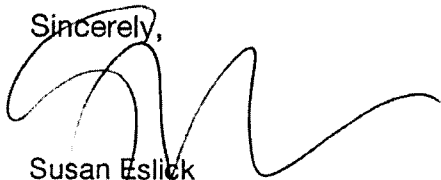
I am a long time Dogpatch resident, Dogpatch Neighborhood Association vice president, and a local business owner. I fully support the proposed project at 650 Indiana Street.

The Build Inc team has worked with our neighborhood for years, designing and building housing that has been an incredible asset to our changing neighborhood. The design of 650 Indiana is one of my very favorites. This project really will help set a standard for high-quality design along Indiana St. I'm excited to see it come to fruition.

Please support this project so that Dogpatch can start to be a neighborhood of good contemporary design and architecture.

Thank you for your time and consideration.

Sincerely,



Susan Eslick
1129 Tennessee Street
San Francisco, CA 94107
415.297.1116
susanthebookkeeper@gmail.com

susan eslick

1129 tennessee street
san francisco, ca 94107
eslickdesigns@mindspring.com
415.297.1116

Sanchez, Diego (CPC)

From: Sher Rogat <sher@piccinocafe.com>
Sent: Wednesday, April 02, 2014 6:29 PM
To: Sanchez, Diego (CPC)
Subject: 650 Indiana St.

Dear Mr. Sanchez and Planning Commissioners,

As a Dogpatch business owner, I'm writing to state my full support for Build Inc's proposed residential project at 650 Indiana St. that will be heard at Planning Commission on May 1st.

The Build inc team has only been open and forthcoming to the local community, from sharing their initial concepts to incorporating specific suggestions from the neighbors. They have consistently been responsive to the neighborhood as they develop and refine their plans. This project will be a fantastic addition to our neighborhood and will only help set a standard for high-quality design along Indiana St.

I ask you to approve this project so that work may commence as soon as possible! Thank you for your support to our neighborhood.

Regards, Sheryl Rogat

sheryl rogat
piccino
1001 minnesota
sf, ca. 94107
ext. 11

Sanchez, Diego (CPC)

From: hestor@earthlink.net
Sent: Tuesday, February 11, 2014 1:04 PM
To: Sanchez, Diego; Sheyner, Tania
Cc: Thibodeau, Martin; Chinn, Alton; Snyder, Mathew
Subject: 650 Indiana project (4041/009) lack of any links on Planning map

I have been unable to use the property information map to link to any PPA or any other document, such as an environmental assessment on the 51 DU project right next to I-280 - using 650 Indiana or AB 4041 Lot 009.

I wish to review the PPA and its associated environmental document to see how the possible demolition of I-280 near this project might affect the analysis of this project. at a minimum there may be air quality and construction impacts.

I also want to see if how these documents dealt with the possible development of the equipment rental space immediately to the south. (The current lease apparently expires in 2 years.) I also brought these issues when the ENCAC considered authorizing funds for the developer is calling the Decompression Plaza at the dead-enc segment of 19th Street where is backs into the hill adjacent to I-280.

Please correct the link to the PPA and other document on the Property Information Map and send the same to me.

Sue Hestor
870 Market St #1128
SF 94102

cell 846 1021
home office 824 1167

Please print this out and place in the paper file on this project.



34 Corte Madera Avenue
Mill Valley, CA 94941

February 19, 2014

TO: Pete Choi
AECOM
300 California Street, Suite 400
San Francisco, CA 94104

Greta Brownlow
ATKINS
322 Pine Street, 5th Floor
San Francisco, CA 94104

SUBJECT: 650 Indiana Street & 800 Indiana Street Combined Shadow Analysis

OVERVIEW

Based on a preliminary shadow fan prepared by the San Francisco Planning Department, it was determined that the proposed 650 and 800 Indiana Street projects have the potential to cast new shadow on the neighboring Esprit Park. Esprit Park is under the jurisdiction of the San Francisco Recreation and Park Department and is a protected open space under the Sunlight Ordinance, *Section 295* of the San Francisco Planning Code. Under *Planning Code Section 295*, proposed buildings exceeding 40 feet in height are required to perform a shadow analysis. Both projects are proposed to be taller than 40 feet. Therefore, a shadow analysis was performed to measure and quantify any potential shadow impacts on Esprit Park.

CADP performed the shadow analysis for the proposed projects at 650 and 800 Indiana Street. This analysis is based on project information provided by Build Inc., AvalonBay Communities, Inc., Pfau Long Architects, Pyatok Architects, and Kennerly Architecture & Planning in conjunction with data developed exclusively by CADP. After the analysis was completed it was determined that the proposed projects would only have potential to cast shadows on the Esprit Park open space. No other open space would be affected. A summary of the findings are provided below. See Appendix A for graphic shadow results and Appendix B for detailed total solar sample results. Appendix C includes the results of a tree survey of Esprit Park; this is included for informational purposes.

BACKGROUND ON PLANNING CODE SECTION 295

Planning Code Section 295 was adopted in 1985 in response to voter-approved Proposition K, which required the Planning Commission to deny approval of any structure greater than 40 feet in height that cast a shadow on public space property under the jurisdiction of the Recreation and Park Department, unless the Planning Commission determined that the shadow would not be adverse. Per *Planning Code Section 295*, the City Planning Commission and the Recreation and Park Commission, after a joint meeting, "shall adopt criteria for the implementation of the provisions of this Section."

Therefore, to implement *Planning Code Section 295* and Proposition K, in 1989, the Planning Commission and Recreation and Park Commission jointly adopted a memorandum establishing qualitative criteria for evaluating shadow impacts as well as Absolute Cumulative Limits (ACL) to



34 Corte Madera Avenue
Mill Valley, CA 94941

determine significance for shadows cast on 14 downtown parks. ACLs are “shadow” budgets that establish absolute cumulative limits for additional shadows expressed as a percentage of Theoretically Available Annual Sunlight (TAAS) on a park with no adjacent structures present. An ACL standard has not been adopted for parks less than two acres having less than 20 percent existing shadow, such as Esprit Park.

The 1989 Memorandum sets forth qualitative criteria to determine when a shadow would be adverse as well as information on how to quantitatively measure shadow impact. Qualitatively, shadow impacts are evaluated based on (1) existing shadow profiles, (2) important times of day, (3) important seasons in the year, (4) location of the new shadow, (5) size and duration of new shadows, and (6) public good served by buildings casting a new shadow. Quantitatively, new shadows are measured by the additional annual amount of shadow-sf-hours as a percent of TAAS. Where an ACL has not been adopted for a park, the Planning Commission’s reviews qualitative and quantitative factors to make a decision on whether a structure has an adverse impact on a public property under the jurisdiction of the Recreation and Park Department.

Per the Eastern Neighborhoods EIR, a proposed project would result in a shadow impact if it were to create new shadow in a manner that substantially affects outdoor recreation facilities or other public areas or affect, in an adverse manner, the use of any park or open space under the jurisdiction of the Recreation and Park Department, or significantly detract from the usability of other existing publicly accessible open space, or alter temperature so as to substantially affect public areas, or change the climate either in the community or region.

PROPOSED PROJECTS

The project sites are both located in the southeast quadrant of San Francisco within the Dogpatch Neighborhood, just to the east of the 280 Freeway and south of the UCSF Mission Bay development. Both project sites are generally level and currently have existing structures located within proposed lot areas.

650 Indiana Street. The 650 Indiana Street site is located on Lot 009 of Assessor’s Block 4041, in the City and County of San Francisco. The project block is bounded by the I-280 freeway to the west, 19th Street to the south, Indiana Street to the east, and the elevated 18th Street overpass to the north. The southern portion of the project site contains a 14,810-square-foot (sf), approximately 20-foot-tall warehouse built in 1978. The warehouse is divided into three uses: the smallest space is used as a sound studio, the second largest space is used as a storage and staging area by Greenpeace, and the third and largest area is used as a nightclub (Café Cocomo). The nightclub also includes an interior courtyard with various ancillary wood framed/metal corrugated roofed structures that are utilized as bars and seating areas. The remaining approximately 15,000-sf northern portion of the site is primarily vacant and used as an informal parking and storage space by the site’s tenants.

Adjacent uses include a heavy construction equipment rental company (Cresco) immediately south across 19th Street, a Department of Recreation and Park-owned public park, Esprit Park, located to the southeast across the intersection of 19th and Indiana Streets, a UCSF administrative building located directly across Indiana Street, and a small, 2-story warehouse directly to the north of the project site, occupied by the “Add-a-Garage” general contracting business. Esprit Park is the only public open space nearby.



34 Corte Madera Avenue
Mill Valley, CA 94941

Build Inc., the project sponsor and owner of the property, proposes to demolish the existing building and construct in its place an approximately 97,000 gross square foot (GSF), 111-unit residential project with approximately 1,900-GSF of neighborhood-serving retail. The proposed project would be divided into two distinct and physically separated building complexes referred to as 'O' and 'M' which would share a common mid-block alleyway. Both the proposed 'O' and 'M' building complexes are anticipated to have a height of approximately 62' at the top of parapet above the grade of street (see Figure 1). A partially subterranean garage would provide parking for 79 vehicles and 113 bicycles and would be accessed at the northern edge of the frontage along Indiana Street, just south of the northern property line.

800 Indiana Street. The 800 Indiana Street site is located on Lot 009 of Assessor's Block 4105, in the City and County of San Francisco. The site is bounded by the 35-foot-tall I-280 Freeway to the west, the 50-foot-tall 20th Street overpass to the north, 22nd Street to the south, and Indiana Street to the east. The 800 Indiana Street site is shaped rectangular at the north end and triangular at the south end, measuring approximately 140 feet in width and 730 feet in length, with a less than 1 percent grade difference from north to south, totaling approximately 2.49 acres (108,386 sf).

The site is fully developed, occupied primarily by a one-story, approximately 50-foot-tall warehouse built in 1926. The warehouse is a steel-frame and metal clad structure that is used by the San Francisco War Memorial Opera House (Opera House) for storage and costume/stage design. Surrounding land uses include: Cresco Equipment Rentals to the north (across 20th Street), the Esprit Park residential development, light industrial uses to the east, an industrial warehouse and abandoned rail spur to the south. Esprit Park is directly to the northeast of the project site and is the only public open space nearby.

AvalonBay Communities, Inc., the project sponsor, proposes to demolish the existing building and construct in its place approximately 421,710 GSF of residential and support uses with up to 338 units. The proposed project is designed with three building complexes, where each complex is designed by a separate architect. The three-building complex would be five-stories tall with an approximate height of 58-feet (not including an approximate 12-foot-tall mechanical penthouse, see Figure 2). The ground-floor would contain a small leasing office, residential amenities, and access to the four shared courtyard spaces. Each complex would have a main entrance fronting Indiana Street. The proposed project includes a single one-level underground parking garage underneath the entire site with proposed ingress/egress from Indiana Street. Some street parking and loading spaces would be located at the front of the building complex, along Indiana Street (see Figure 2).

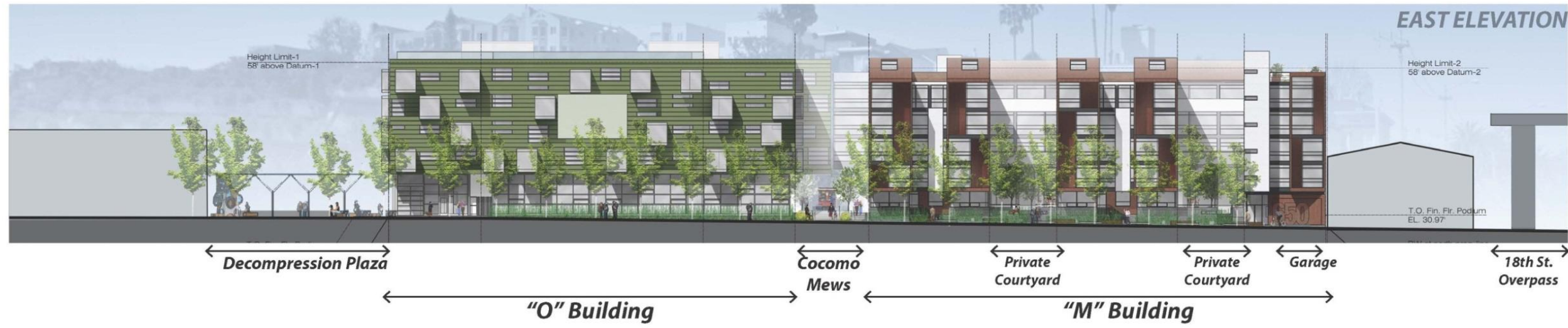
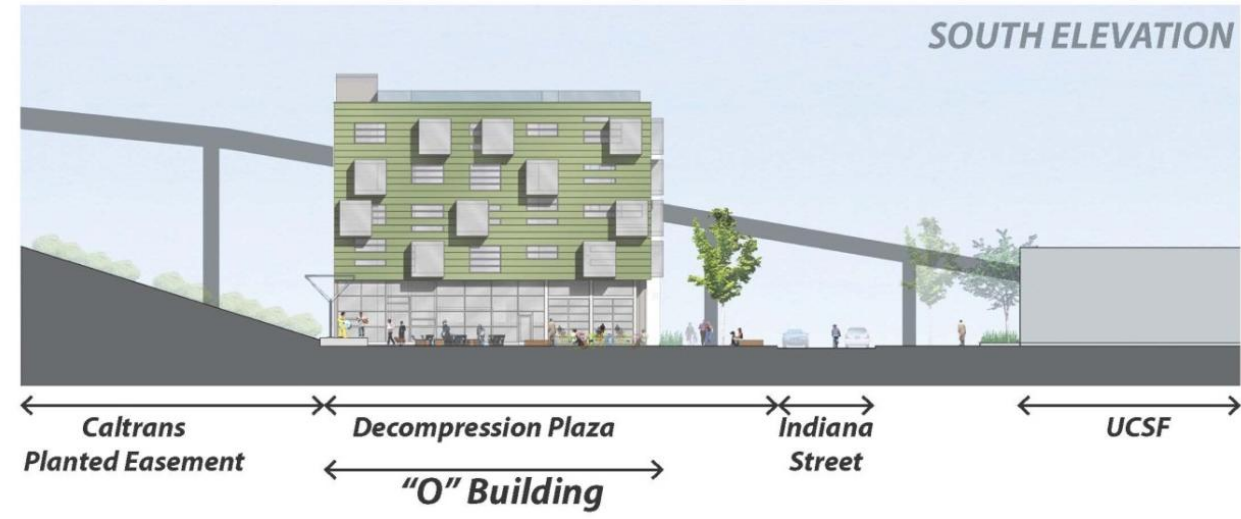


34 Corte Madera Avenue
Mill Valley, CA 94941

This page intentionally left blank



34 Corte Madera Avenue
Mill Valley, CA 94941



650 Indiana-Elevations



Source: Pfau Long and Kennerly. 2013

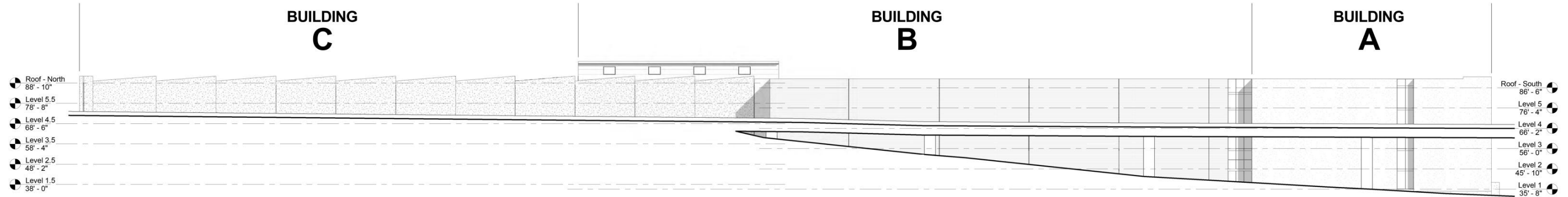
Figure 1
650 Indiana Street Elevations



34 Corte Madera Avenue
Mill Valley, CA 94941



EAST ELEVATION - INDIANA STREET
3/64" = 1'-0" 4



WEST ELEVATION - FREEWAY
3/64" = 1'-0" 2

Source: Pyatok Architects Inc. 2013

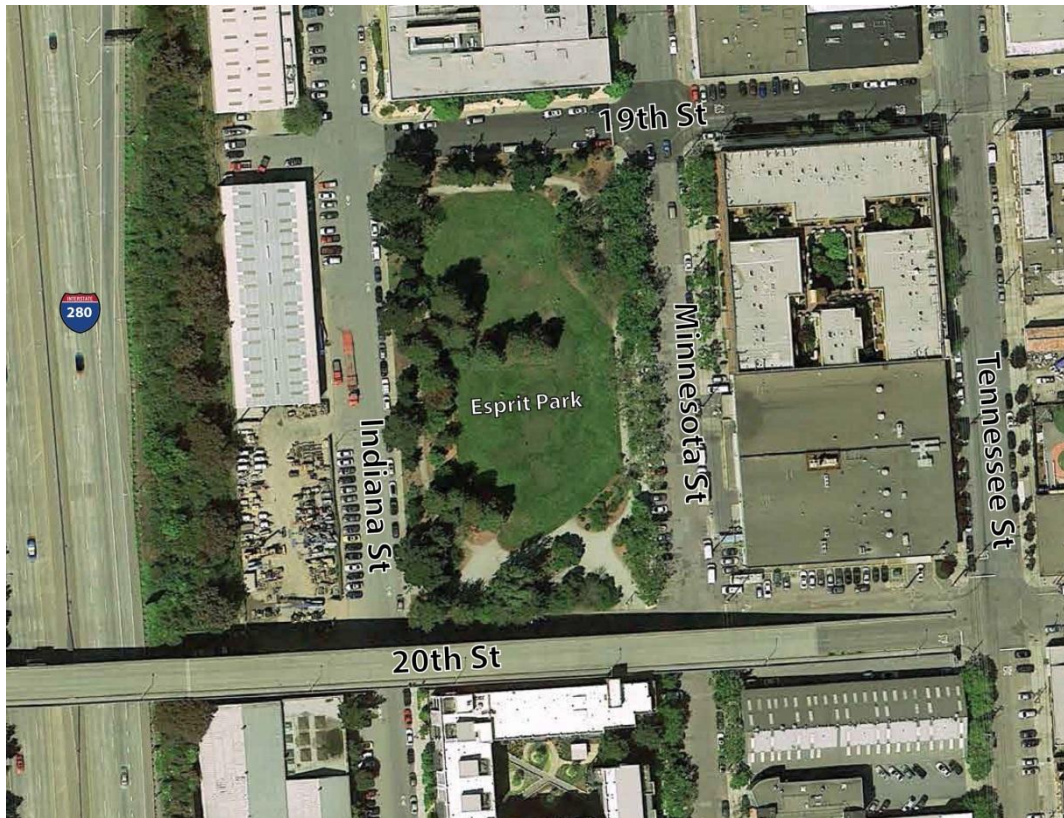
Figure 2
800 Indiana Street Elevations



34 Corte Madera Avenue
Mill Valley, CA 94941

ESPRIT PARK

Esprit Park is a 1.83 acre park (approximately 79,729.8 square feet), under the Recreation and Park Department jurisdiction, which occupies the entire block between Minnesota, Indiana, 19th and 20th Streets. Esprit Park is a neighborhood park that contains a large open grass field surrounded by redwoods, poplars, pines, and variety of other trees. The park contains no formal recreational amenities other than five fitness stations, benches, and picnic tables. No restrooms are present. In addition to the sidewalks bordering the streets there is an interior pathway that encircles the park's central grass area. The park is heavily used by people walking their dogs and for non-organized recreational purposes, such as walking and playing in the open field. Active times of day for the park are before and after workdays during the week and throughout the day on the weekends (see Figure 3). On January 9, 2014, San Francisco Planning Department staff conducted a site visit to confirm the park description and uses described in this memorandum. As noted in that memorandum, during the morning of January 9, 2013, the site was used primarily by dog walkers and pedestrians cutting through the park to get to other destinations.¹



Source: Google Earth, 2013.

Figure 3
Esprit Park Aerial

¹ San Francisco Planning Department. 2014 (January 9). Memorandum Re: Case No. 2012.1574E, 650 Indiana Street CPE



34 Corte Madera Avenue
Mill Valley, CA 94941

A tree survey was conducted in Esprit Park in October 2013 by SBCA Tree Consulting. Approximately 123 trees were identified as indicated in a site plan view of the park. A figure showing tree location and limits of shadow is included figure in Appendix C, which also includes a table classifying each tree by species, diameter, height, structure, health, and spread. The table also includes a designation of where a tree contributed or impacted shadow with a "yes" or "no" classification along with a notes column that provides some additional information.²

The majority of the larger trees in the park include Coast Redwood, Giant Sequoia, London Plane Tree, Lombardy Poplar, and Monterey Pine. Other trees include Victorian Box, Chinese Pistache, European Beech, Red Maple, Kohuhu, Tarata, Flowering Cherry and a few others. Most of the trees are in good to fair condition and are grouped in clusters with overlapping canopies which shade large portions of the site a certain times of the day. Due to the large number of healthy trees located in the park, the 20th Street overpass, and the adjacent buildings, a large percentage of the park (approximately fifty percent) is covered by shadow throughout the day. In particular the edges along 19th and 20th Streets are typically heavily shaded.

SHADOW METHODOLOGY AND RESULTS

CADP prepared a shadow analysis to quantify the amount of new shadow that would be cast on by the proposed projects on Esprit Park. The analysis was conducted based on the "solar year" to provide a sample of representative sun angles throughout the entire calendar year. The solar year is from June 21st through December 20th. The sun angles during the "other" side of the calendar year, or December 21st through June 20th, mirror the sun angles. Since the angles are mirrored, an analysis of the "other" time period is not conducted and, instead, a multiplier is used to put the sample results into calendar year units. Using a multiplier does not change the percentages. For the purposes of this report, a table of mirror dates has been prepared and is attached as Appendix B. Where a particular date is identified in this report, the mirror date is also noted in italics. For purposes of this analysis, time was measured in decimal hours at 15 minute intervals from sunrise, plus one hour, to sunset, minus 1 hour.

Esprit Park has 296,706,366.08 sf hours of Theoretical Available Annual Sunlight (TAAS), which is the amount of theoretically available sunlight on the park annually if there were no shadows from structures, trees or other facilities. Shadows currently exist on Esprit Park, predominately in the morning and evening hours. The existing shadow load for Esprit Park is 31,378,487.0 sf hours annually of existing shadow on the park. This is 10.58 percent of the total TAAS for Esprit Park.

Shadow projection graphics are provided below to depict how shadows from both the existing buildings and the proposed 650 and 800 Indiana Street projects move throughout the day on the solstice and equinox. Existing shadows are shown in light grey and the potential project shadows are shown in a bold black line. If any area of available sunlight is intersected by the shadow outline of one or both of the proposed projects, it is filled with a dark grey color. This dark grey color represents the net new shadow area or the area the proposed projects could create new shadow where sunlight currently exists.

Both existing shadows and projections for each proposed project at 650 and 800 Indiana Street are shown in the graphics below, which demonstrates the overall potential impact. The shadow that would be cast by the proposed 650 Indiana Street project would not intersect with the shadow that would be cast by the proposed 800 Indiana Street project, because the project sites are located at opposite ends of the park, to the north and to the south, respectively.

² SBCA. 2013 (October) Esprit Park Tree Survey.



34 Corte Madera Avenue
 Mill Valley, CA 94941

650 Indiana Street

CADP’s analysis pursuant to Proposition K shows that there would be an approximately 0.05 percent increase in net new shadow attributable to the 650 Indiana Street project, as a percentage of TAAS (as shown in the summary of results of the 650 Indiana Street project below). Net new shadows would occur from late April through early August, and new shadows would be limited to within the last hour of the calculated solar day (sunset, minus 1 hour). The maximum net new shadow depicted would occur on June 21st at sunset, minus 1 hour with a total of 2,365.4 square foot hours for the day (see Figure 4).



650 Indiana Street
 June 21 Sunset -1hr.

Summary of Results – 650 Indiana

CADP annualized net new shadow	147,734 sf hrs
Annual Available Sunlight (TAAS), based on City's TAAS Factor	296,706,366.08 sf hrs
Annual Shadow Increase as a Percentage of TAAS	0.05

Figure 4
650 Indiana Street Maximum Net New Shadow



34 Corte Madera Avenue
 Mill Valley, CA 94941

800 Indiana Street

As shown below in the summary of results of 800 Indiana Street project, CADP’s analysis shows that there would be an approximately 0.213 percent increase in net new shadow as a percentage of TAAS. Net new shadows would occur from early October through the winter months to early March and would only occur on the park in an area of light that is revealed underneath the existing 20th Street overpass as its shadow lengthens and moves across the park from south to north. New shadows would be limited to within the last two hours of the calculated solar day (sunset, minus 1 hour). The maximum net new shadow depicted would occur on December 20th at sunset, minus 1 hour with a total of 6,744.8 square foot hours for the day (see Figure 5).



800 Indiana Street
 December 20 Sunset -1hr.

Summary of Results – 800 Indiana

CADP annualized net new shadow	633,212.39 sf hrs
Annual Available Sunlight (TAAS), based on City's TAAS Factor	296,706,366.08 sf hrs
Annual Shadow Increase as a Percentage of TAAS	0.213%

Figure 5
800 Indiana Street Maximum Net New Shadow



34 Corte Madera Avenue
Mill Valley, CA 94941

Quantitative Criteria

Size of Park

The 1989 Memorandum mentioned above set forth different recommendations for permitted additional shadow load based on the size of the park. Parks greater than two acres are considered larger parks. Esprit Park is 1.83 acres and therefore does not fit under that category.

Existing Annual Available Sunlight – Existing Shadow Profiles

Based on the City's TAAS, 296,706,366.08 sf hours of sunlight would be available to Esprit Park. Under the existing conditions, Esprit Park is currently in shade 10.58 percent³ of the time and has an existing shadow load of 31,378,487.00 sf hours.

The existing shadows on the park are created primarily by the 2-story building at 654 Minnesota Street to the west of the 650 Indiana Street site and from the 2-story buildings along Pennsylvania Street which are elevated along the western flank of Potrero Hill, east of Highway 280 and Esprit Park.

Substantial existing shadows are also produced by the 20th Street overpass structure (see Figure 6). Shadows from the structure move across Esprit Park from southeast to northwest during the afternoon hours. The 800 Indiana Street project is directly south of the 20th Street overpass and the project shadow moves in a consistent manner across Esprit Park and only adds new shadow to the open space when sunlight is revealed from under the 20th Street overpass shadow. Some existing shadows on the park are also created by the 5-story building at 900 Minnesota Street to the west of the 800 Indiana Street project site, the shadows occur largely under the overpass.

Proposed Annual Available Sunlight

As shown in the tables below, the proposed 650 Indiana Street project would reduce the annual available sunlight on Esprit Park by 0.05 percent. This is a 147,734.0 sf hour reduction of sunlight resulting in a total shadow load on the park of 31,378,487 sf hours. The proposed 650 Indiana Street project, combined with existing shadows, would result in a total shadow load on the park of 10.63 percent.

The proposed 800 Indiana Street project would reduce the annual available sunlight on Esprit Park by 0.213 percent. This is a 633,212.39 sf hour reduction of sunlight resulting in a total shadow load on the park of 32,011,699.39 sf hours. The proposed 800 Indiana Street project, combined with existing shadows, would result in a total shadow load on the park of 10.79 percent.

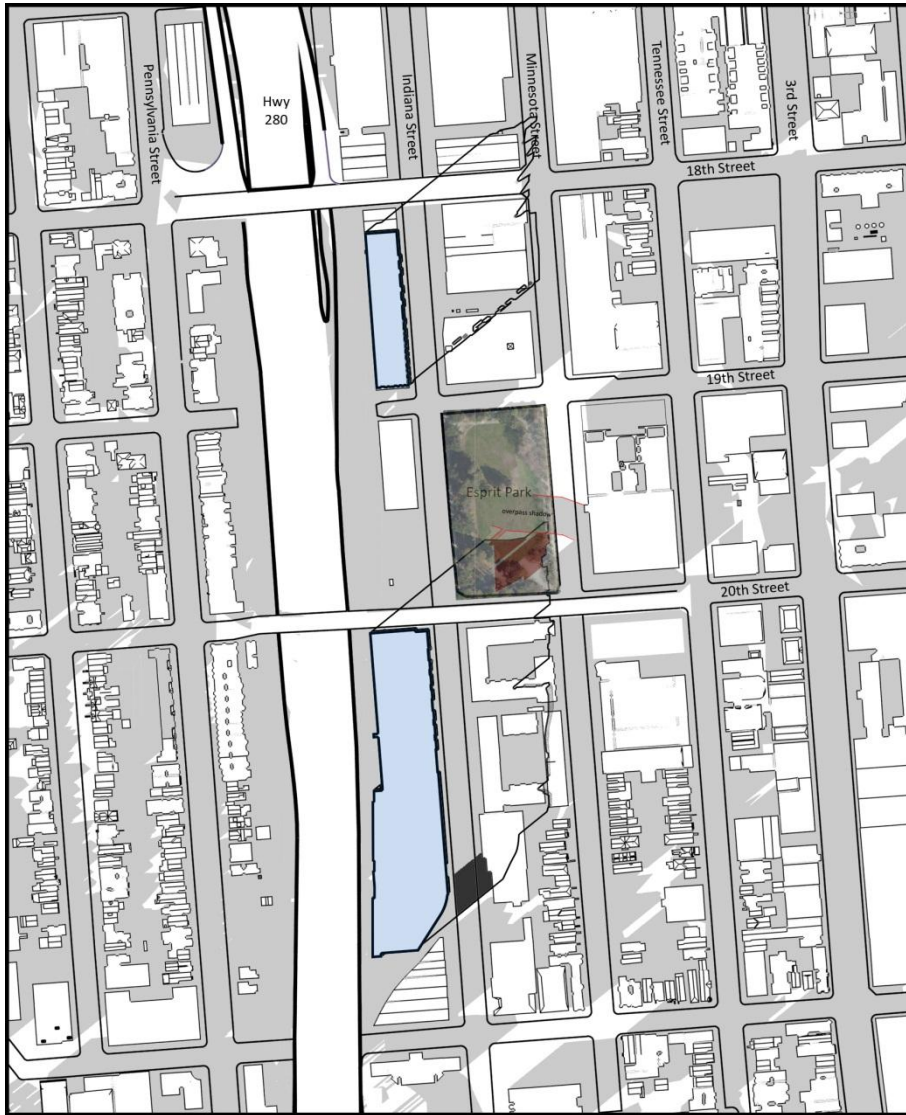
Together, both the 650 Indiana Street and 800 Indiana Street projects would reduce the available sunlight on Esprit Park by 0.26 percent. This is a 780,946.4 sf hour reduction of sunlight, resulting in a total shadow load on the park of 32,159,433.4 sf hours. The proposed projects, combined with existing shadows, would cumulatively result in a total shadow load on the park of 10.83 percent.

These findings are summarized in the tables below and presented in detail in Appendix B.

³ CADP's existing shadow load on Esprit Park is approximately 4% larger than previously documented shadow analysis. This increase is attributable to higher resolution 3d model data for the surrounding freeway structure and the inclusion of the Potrero Hill ground topography.



34 Corte Madera Avenue
Mill Valley, CA 94941



650 & 800 Indiana Street
December 20 Sunset -1hr.



Figure 6
20th Street Overpass Existing Shadow

Recommended Permitted Additional Shadow

In accordance with the 1989 Memorandum, larger parks (more than 2 acres) that are shadowed less than 20 percent of the time during the year are allowed an additional 1.0 percent of shadow, if the specific shadow effects meet additional qualitative criteria. However, as noted above, at 1.83 acres, Esprit Park is less than 2 acres. The park is currently shadowed 10.58 percent of the time. The proposed projects would add 0.26 percent new shadow, with 650 Indiana Street contributing 0.05 percent and 800 Indiana Street contributing 0.21 percent.



34 Corte Madera Avenue
Mill Valley, CA 94941

650 Indiana Street

SHADOW IMPACTS on TOTAL PARK				
	Available	Existing Shadow	New Shadow	TOTAL SHADOW
SQ. FT. HOURS	296,706,366.08	31,378,487.00	147,734.00	31,526,221.00
PERCENT	100	10.58	.049	10.63

800 Indiana Street

SHADOW IMPACTS on TOTAL PARK				
	Available	Existing Shadow	New Shadow	TOTAL SHADOW
SQ. FT. HOURS	296,706,366.08	31,378,487.00	633,212.39	32,011,699.39
PERCENT	100	10.58	0.21	10.79

Combined 650 Indiana Street & 800 Indiana Street

SHADOW IMPACTS on TOTAL PARK				
	Available	Existing Shadow	New Shadow	TOTAL SHADOW
SQ. FT. HOURS	296,706,366.08	31,378,487.00	780,946.39	32,159,433.39
PERCENT	100	10.58	0.26	10.83

Qualitative Criteria

Time of Day (Evenings before sunset) – Important Times of Day

The proposed **650 Indiana Street** project would cast shadow on Esprit Park in the evening within one hour of sunset, minus 1 hour. The shadow would occur in the months between mid-April to mid-August. The longest range of time that would contain shadow would occur on June 21st from 7:00 pm to sunset, minus 1 hour (7:36 pm). New shadow from the project would never take place outside of one hour before sunset, minus 1 hour.

The proposed **800 Indiana Street** project would cast shadow on Esprit Park in the evenings within 2 hours of sunset, minus 1 hour. The shadows would occur in the fall and winter months between early October and the first week of March. The longest range of times where potential shadow impacts would occur is on December 20th from 2:15 pm to sunset, minus 1 hour (3:54 pm). New shadow from the project would never take place outside of 2 hours prior to sunset, minus 1 hour.



34 Corte Madera Avenue
Mill Valley, CA 94941

Time of Year (Spring, Summer, Fall, Winter) – Important Times of Year

The proposed projects would cast some shadow on Esprit Park throughout the year.⁴ The largest shadow cast by the proposed buildings from the 650 Indiana Street project would be on June 21st at sunset, minus 1 hour. The day with the most shadow, or the day with most shading of the park in terms of size and duration would be December 20th with 6,744.8 sf hours created by the proposed 800 Indiana Street project.

Based on San Francisco’s historic weather patterns, Esprit Park may be used more in the spring and fall which historically have days with more sunshine, higher temperatures and the lowest levels of rain and/or fog. However, since the park is heavily used by dog walkers, the park is used year-round and sun and shadow patterns to do not limit this activity.

Size of Shadow

The largest shadow cast by the proposed 650 Indiana Street project on Esprit Park is 9,338.9 sf on June 21st at sunset, minus 1 hour. **The maximum area of net new shadow at a single time does not exceed 11.67 percent of Esprit Park and would occur on June 21st.**

The largest shadow cast by the proposed 800 Indiana Street project on Esprit Park is 9,108.8 sf on December 20th at sunset, minus 1 hour. **The maximum area of net new shadow at a single time does not exceed 11.39 percent of Esprit Park and would occur on December 20th.**

Duration of Shadow

The shadow from the proposed 650 Indiana Street project would occur within the last hour of the day prior to sunset, minus 1 hour. The average duration of the shadow would be approximately 15 minutes with the range of duration from approximately 43 minutes (June 21st) to approximately 15 minutes or a single recorded impact (August 9th and August 16th). The calendar year duration of the shadow impacts would be from April 19th through to August 16th.

The shadow from the proposed 800 Indiana Street project would occur within the last two hours of the day prior to sunset, minus 1 hour. The average duration of the shadow would be approximately 45 minutes with a range of duration from 37 minutes (October 11th) to approximately 1 hour 54 minutes (December 21st). The calendar year duration of the shadow impacts would be from March 1st through October 11th.

Location of Shadow

The new shadow cast by the proposed 650 Indiana Street project would be limited to the northern quarter of Esprit Park, with the largest shadow areas progressing toward the northwestern edge of the open space boundary. This new shadow would cover portions of the park pathway and grass area.

The new shadow cast by the proposed 800 Indiana Street project would be limited to the southern half of Esprit Park and would only occur where sunlight is revealed as the overpass shadow moves from east

⁴ As noted above under Shadow Methodology, the shadow analysis was based on a solar year using a multiplier to place the results into calendar year units.



34 Corte Madera Avenue
Mill Valley, CA 94941

to west. This new shadow would cover portions of the park pathway and the open grassy area, and potentially a picnic bench.

777 Tennessee Street

The Planning Department requested that the 777 Tennessee Street project be referenced in this combined shadow analysis, since it is the closest project undergoing environmental review with the potential to cast new shadow on Esprit Park. The 777 Tennessee Street project is a proposed residential project on the corner of Tennessee and 19th Streets one block to the northeast of Esprit Park. Although the 777 Tennessee Street project is still undergoing design refinement, initial results are included in this report for reference.

Preliminary shadow calculations for 777 Tennessee Street indicate a total annual net increase in shadow of 17,171 sf hours (0.01 percent of the TAAS). All the new shadow would occur between the first week of June and the first week of July (two weeks on either side of the summer solstice), for 15 minutes at sunrise plus 1 hour. Due to the fact that the proposed 777 Tennessee Street project would be east of Esprit Park, at no time would the shadows from 650 Indiana Street or 800 Indiana Street projects intersect with the shadow from 777 Tennessee Street project.

As noted above, supporting graphical shadow projections and quantitative spreadsheets are provided in Appendices A and B. A tree survey is included in Appendix C.

Proposed Project-Related Public Good

To fully evaluate the potential impacts associated with the proposed project, decision-makers must weigh the amount and duration of shadow cast by the proposed project against the public good or public benefits associated with the proposed project. Factors to consider are: (1) the public interest in terms of a needed use, (2) building design and urban form, (3) impact fees, and (4) other public benefits. A discussion of the public good related to 650 Indiana and 800 Indiana Street projects follows.

650 Indiana Street

The proposed project would conform to the Eastern Neighborhoods Plan and add 111 dwelling units to San Francisco's rental housing stock, including 16 Below Market Rate (BMR) units that would be permanently affordable to low-income households earning 60% of San Francisco Area Median Income. In addition to providing these new BMR units, the project would contribute over \$1 MM in impact fees for new public infrastructure and capital improvements to schools. Further, the project sponsor has proposed to convert the dead-end portion of the 19th Street public right-of-way (west of Indiana Street) and a small portion of the Caltrans-owned landscaped embankment adjacent to Interstate 280 into a new, approximately 10,000-sf arts-focused public pedestrian plaza, called 19th Street Pedestrian Plaza. If approved, the plaza would be developed through a combination of developer funding, an in-kind impact fee agreement with the City, and private foundation grants. The total cost of developing the proposed 19th Street Pedestrian Plaza is estimated at \$1.2 MM.

The design of the proposed plaza was guided by the idea that this space should serve as a "public living room" for the neighborhood. A bulb-out would invite pedestrian access from adjacent Esprit Park, the northwestern-most corner of which is located across the street from the plaza, and provide a buffer from Indiana Street traffic. The southeast corner of the plaza would be home to a series of rotating public art pieces. If approved this new public plaza would provide a significant new public space that



34 Corte Madera Avenue
Mill Valley, CA 94941

would receive substantial morning light in contrast to Esprit Park, which is typically in shadow during the morning hours due to a significant number of existing mature trees.

The proposed project would also include a 1,700-sf “arts café” on its southeast corner that would open directly onto the proposed plaza, carefully designed to invite interaction between the plaza and the project, bridging public and private space. In addition to 19th Street Pedestrian Plaza, the proposed project would also include a new publicly accessible 1,800-sf mid-block plaza/alley, which would include more seating, landscape features, and a new, community-serving 200-sf bike repair shop.

Further, the proposed project would significantly improve the Indiana streetscape, including sidewalk widening to nineteen feet, including over ten feet of new landscape along the project frontage. A total of nineteen new street trees would be planted within the furnishing zone along the project frontage. Additionally, the cumulative linear vehicular curb cuts along the project frontage would be decreased from an existing 78 linear feet to a proposed 18 feet, eliminating a total of 60 linear feet of curb cuts, which further improves the pedestrian environment. Approximately 5,800-sf of public right-of-way would be slated for streetscape improvements, exceeding the requirements of the Better Streets Plan.

Finally, the project sponsor launched and provided initial seed funding for UP Urban, an independent non-profit organization, which has spearheaded the creation of the City’s first-ever “Green Benefits District” (GBD), which will encompass the entire Dogpatch neighborhood, and has made a large financial contribution to fund its formation. If approved by local property owners through a special election, the GBD would become a new, neighborhood-controlled assessment district to fund enhanced maintenance of the public realm, including Esprit Park and any other Recreation & Park Department-owned properties. Parks, sidewalks, and other parts of the public realm would have a new dedicated funding source to address capital improvement and maintenance priorities.

800 Indiana Street

The proposed project would conform to the Eastern Neighborhoods Plan and add up to 338 dwelling units to San Francisco’s rental housing stock. In compliance with the Inclusionary Affordable Housing Program under Planning Code Section 415 et seq. the proposed project will either provide up to 49 BMR inclusionary housing units on-site, or pay in lieu fees to the City totaling over \$19 MM for the creation of new affordable housing. In addition, the proposed project would contribute over \$2.5 MM in impact fees for new public infrastructure and capital improvements to schools.

The proposed project would provide new public open space and significantly improve the streetscape along Indiana Street. In compliance with the Better Streets Plan, the proposed project would include: planting of street trees and widening of sidewalks. Public open space would include three large public plazas at the three building entry points along this long block. The combination of streetscape improvements and new public open space would greatly enhance the pedestrian experience. If approved, the southern plaza will be 936 sf, the largest, central plaza will be 1,792 square feet, and the north plaza will be 852 square feet.

Currently the project site has five large loading bays, with a total of 126 linear feet of curb cuts. The proposed project would reduce this to two curb cuts with a total of 24 feet linear feet. The reduction in curb cuts would improve pedestrian and bicycle safety along the west side of Indiana Street by reducing potential areas of pedestrian/bicycle/vehicle conflict.



34 Corte Madera Avenue
Mill Valley, CA 94941

Further, the project sponsor has proposed to convert the dead-end portion of the 20th Street public right-of-way (west of Indiana Street) into a new dog park. This area is just across the street from Esprit Park, and would be improved to provide an off-leash dog run area that is open to the public. The total area of this dog park would be approximately 6,000 sf.

Finally, the project sponsor has supported the creation of the “Green Benefits District” (GBD), led by UP Urban, an independent non-profit organization, and has made a large financial contribution to fund its formation.

Joint Ventures

The project sponsors are also working with the Dogpatch Neighborhood Association, the Planning Department, and SFMTA to improve the streetscape along a longer section of Indiana Street, from the 18th Street overpass to the north to the 22nd Street to the south. The streetscape improvement measures would include planting of new street trees, converting street parking from perpendicular to parallel and back-in angled, widening the sidewalks and providing furnishing zones for greening on both sides of Indiana Street, providing bulb-outs along Indiana as well as marked crosswalks, and other traffic calming measures. Cumulatively, these measures would go a long way toward increasing pedestrian safety along Indiana Street. The design of the Indiana Streetscape Plan has been a collaborative effort with the neighborhood, with all design and analysis being jointly funded by the two developers.

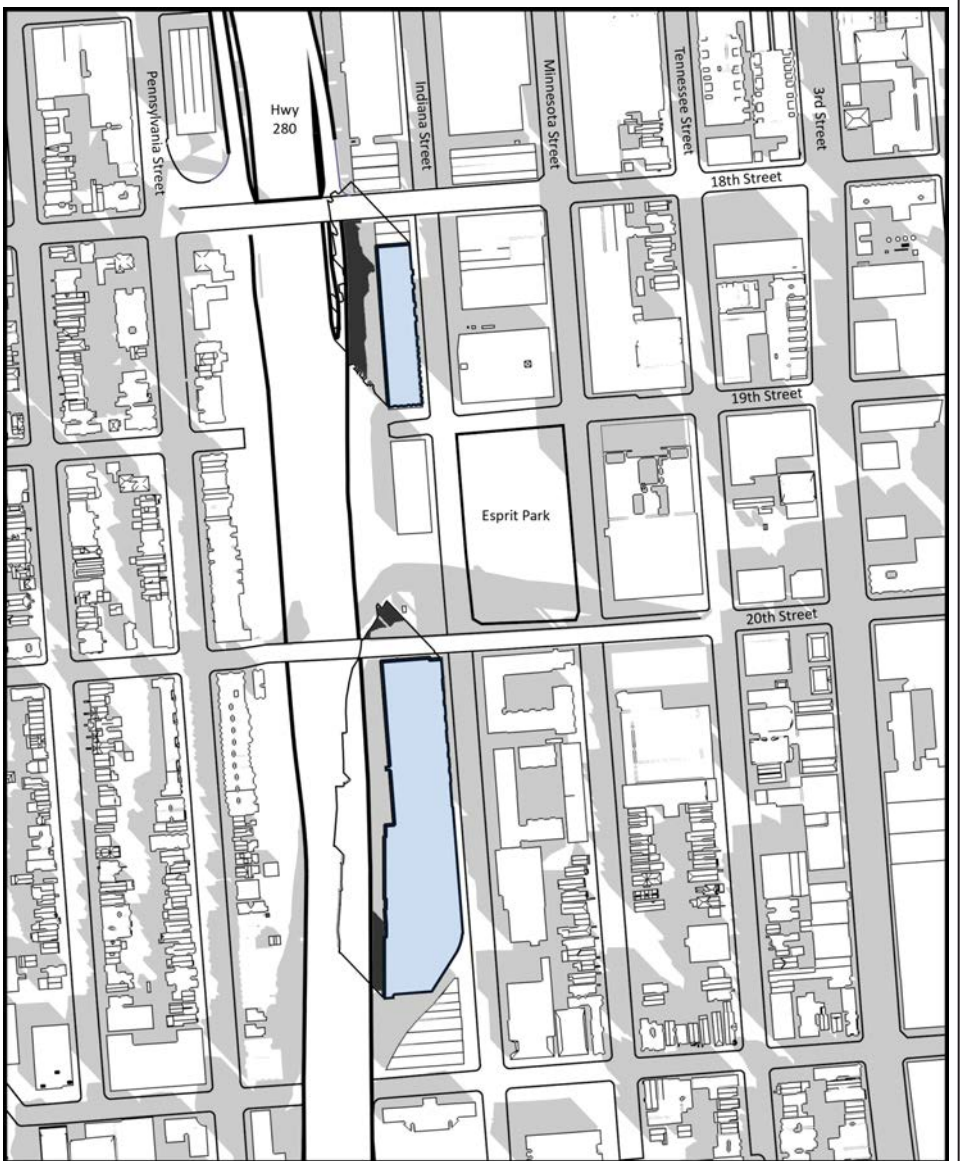
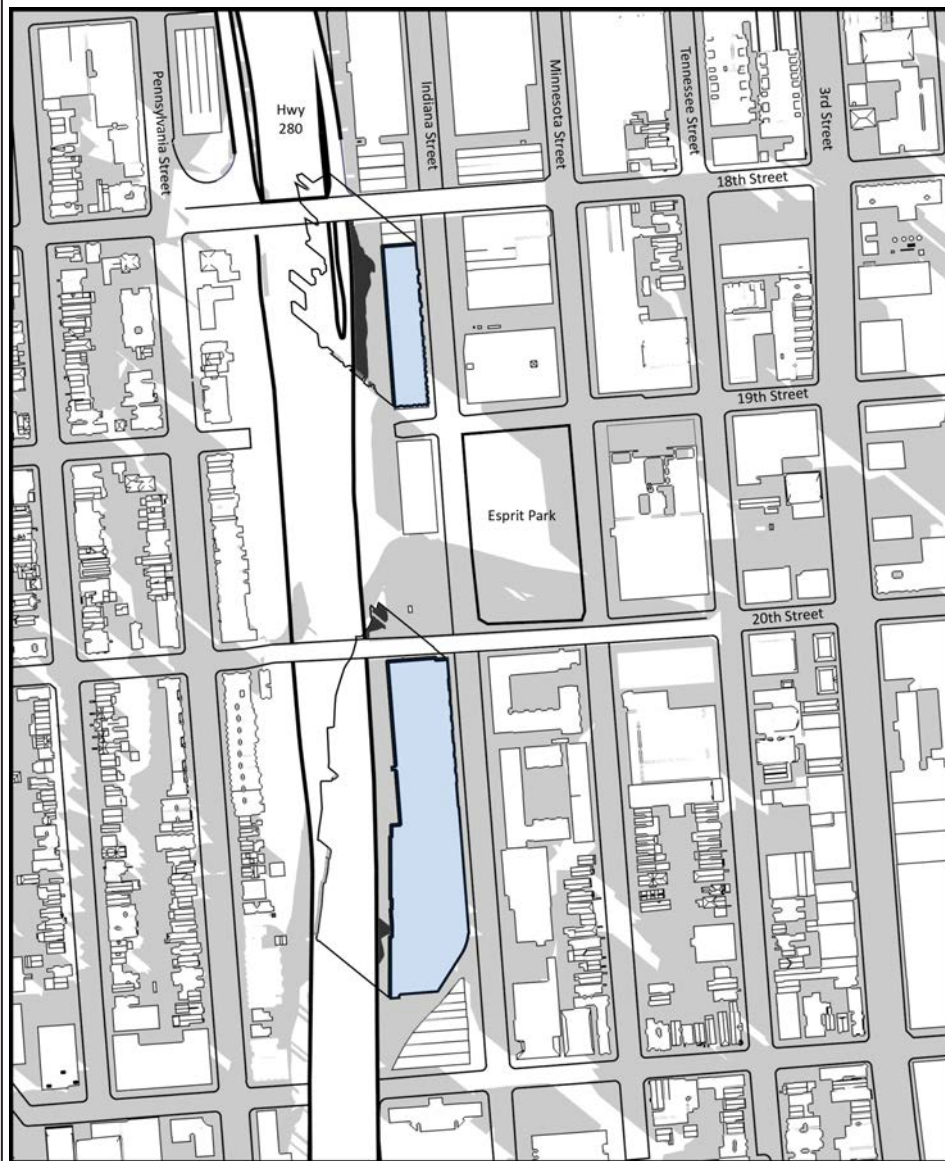
Please direct questions regarding this report directly to Adam Noble.

Regards,

Adam Noble
President

APPENDIX A

Shadow Projections



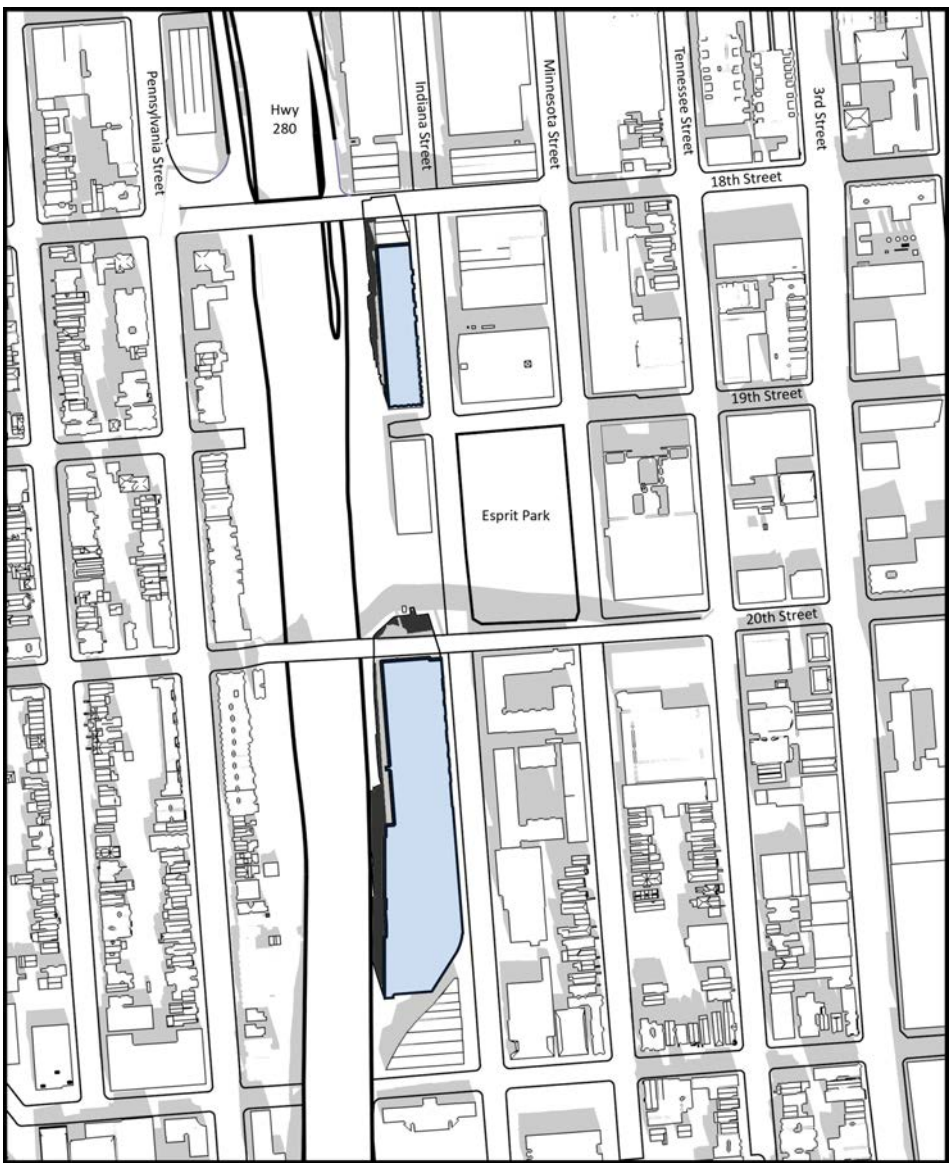
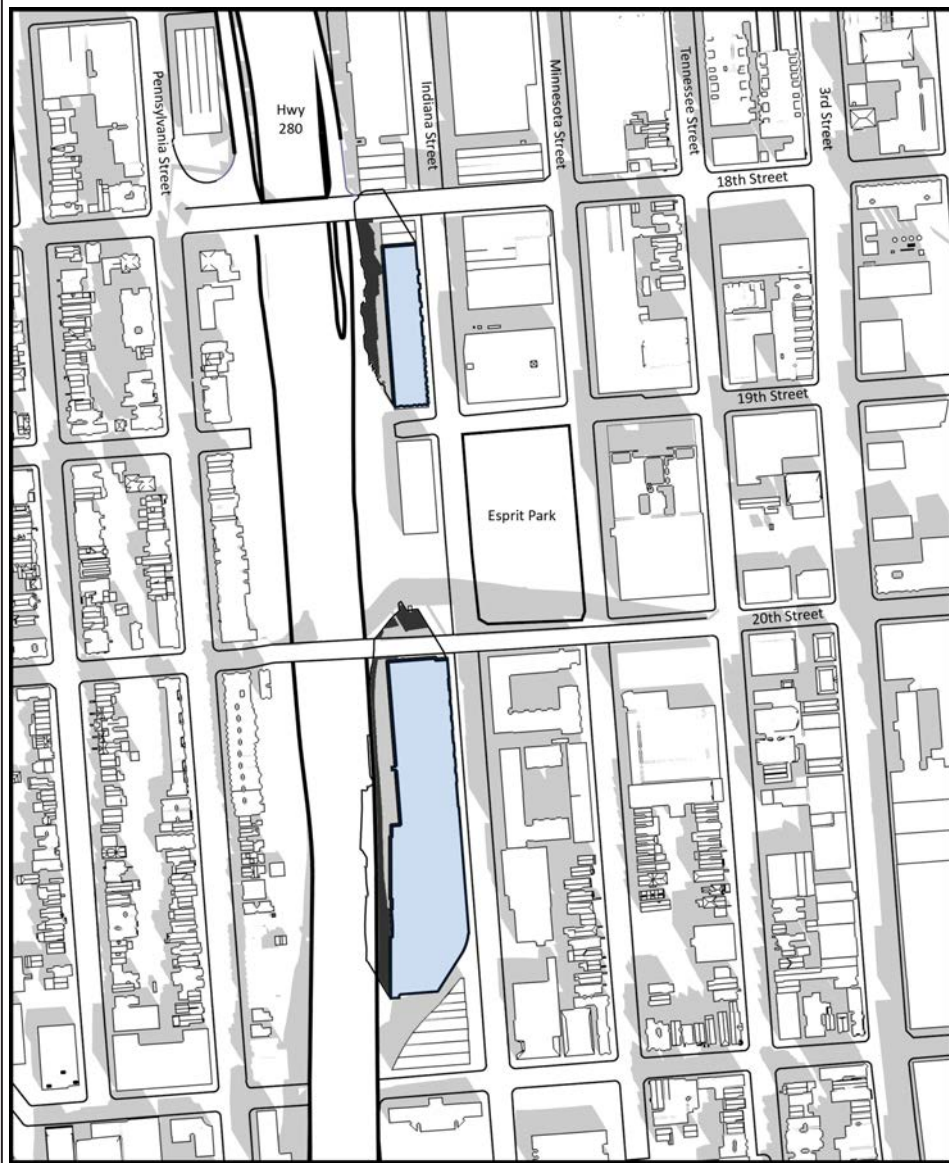
650 & 800 Indiana Street
December 20 Sunrise +1hr.



650 & 800 Indiana Street
December 20 9:0am



Source: CADP, 2013.



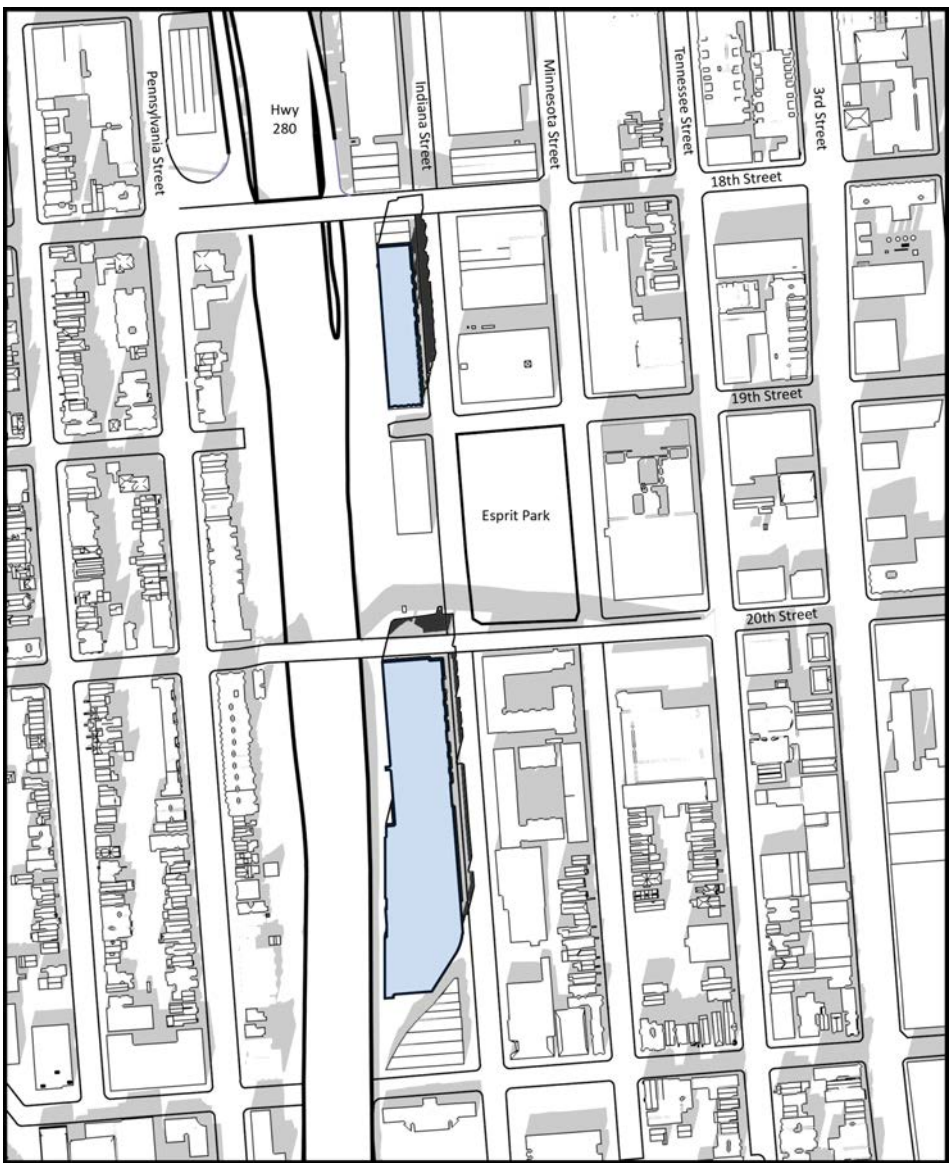
650 & 800 Indiana Street
December 20 10:00am



650 & 800 Indiana Street
December 20 11:00am



Source: CADP, 2013.



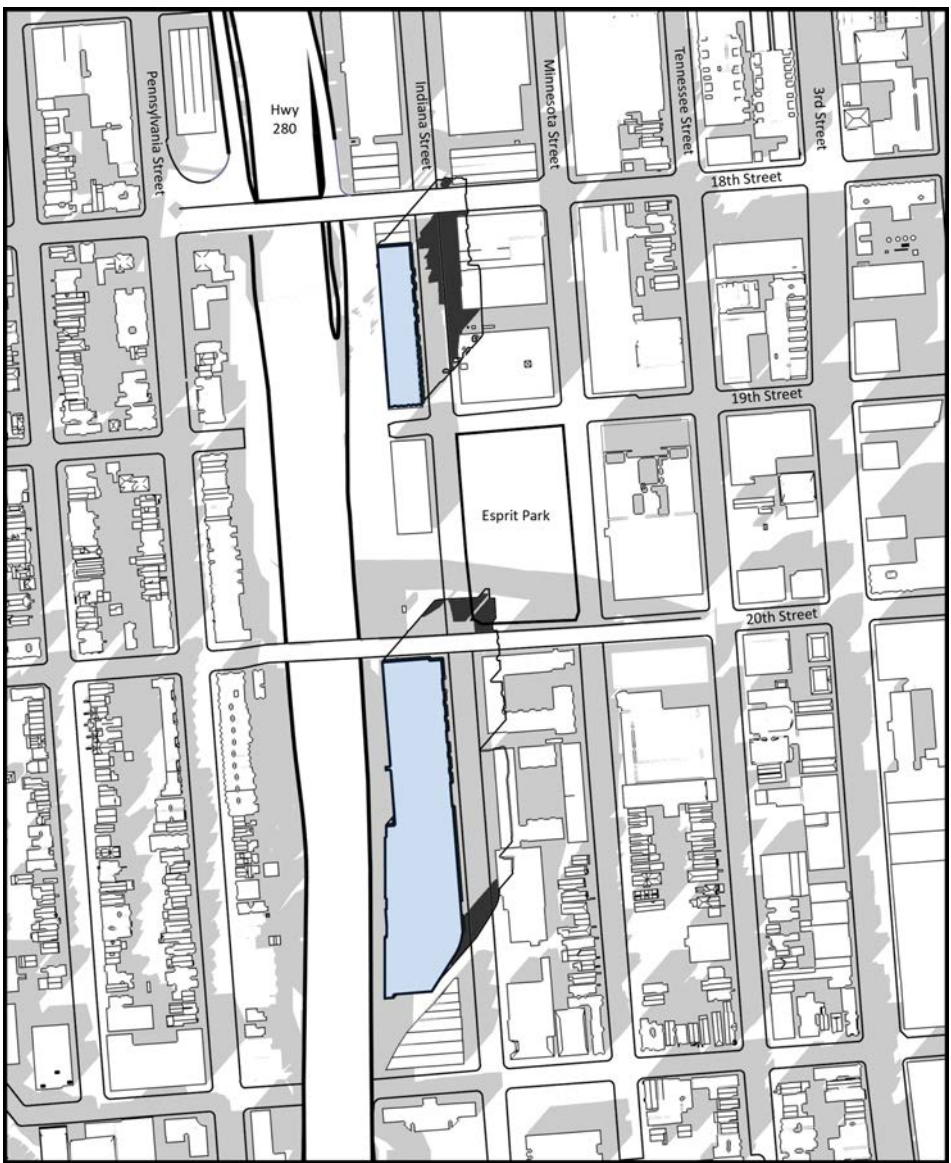
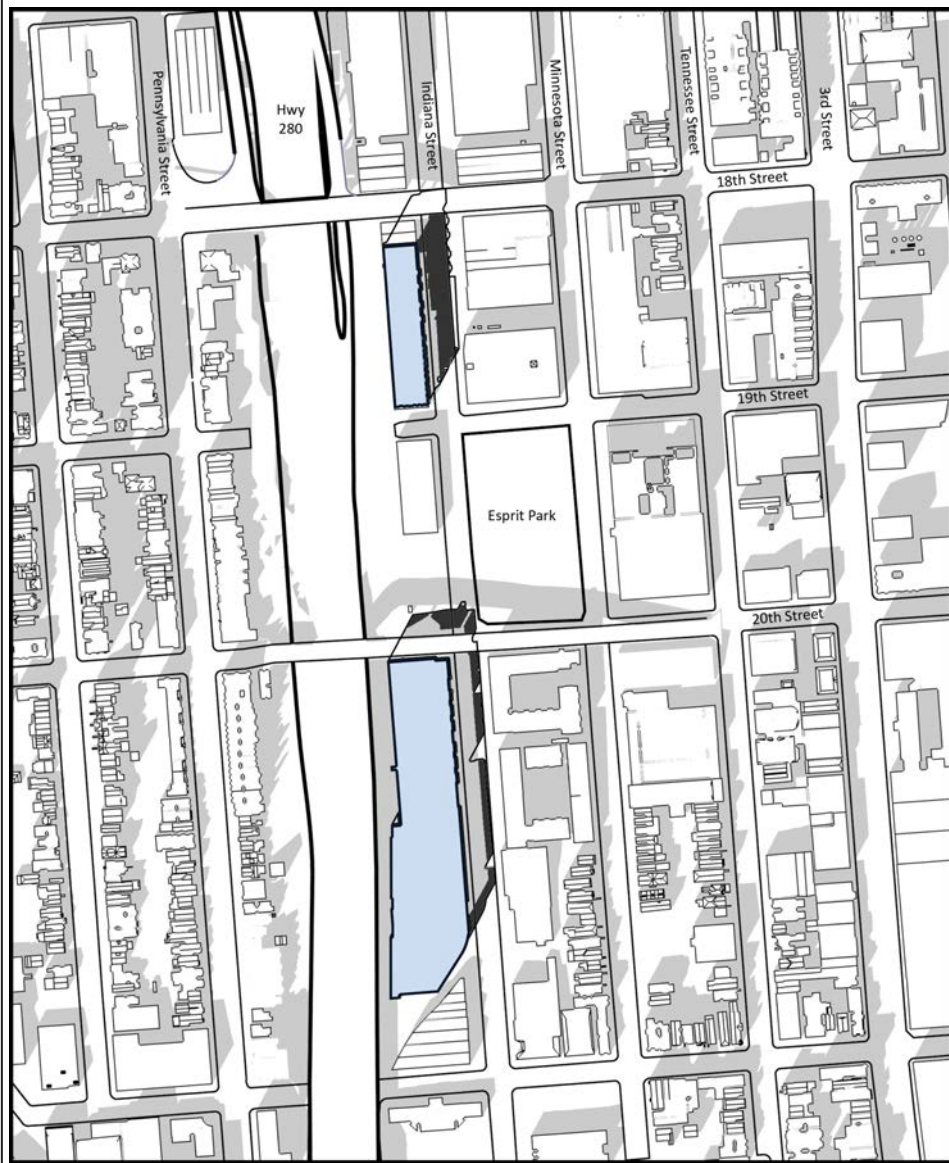
650 & 800 Indiana Street
December 20 12:00 noon



650 & 800 Indiana Street
December 20 1:00pm



Source: CADP, 2013.



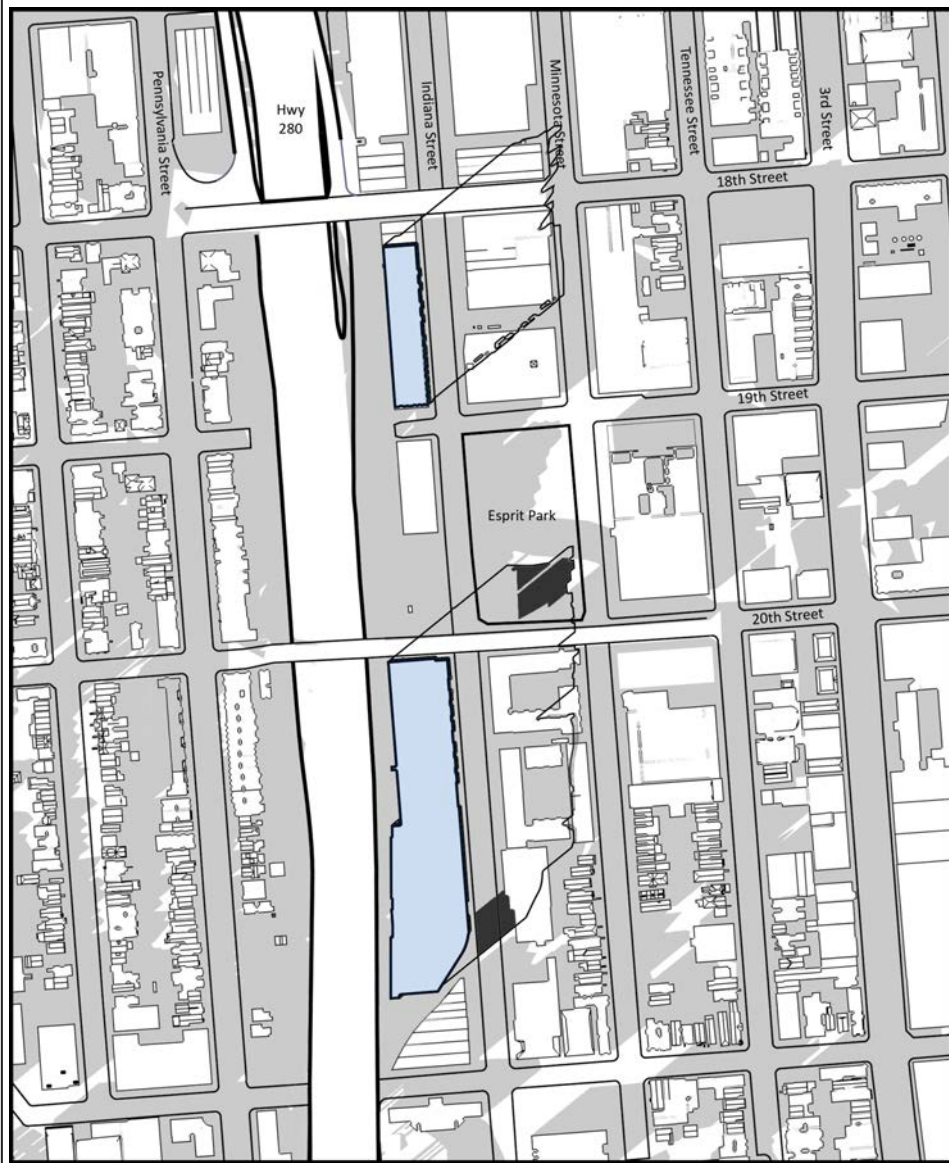
650 & 800 Indiana Street
December 20 2:00pm



650 & 800 Indiana Street
December 20 3:00pm



Source: CADP, 2013.



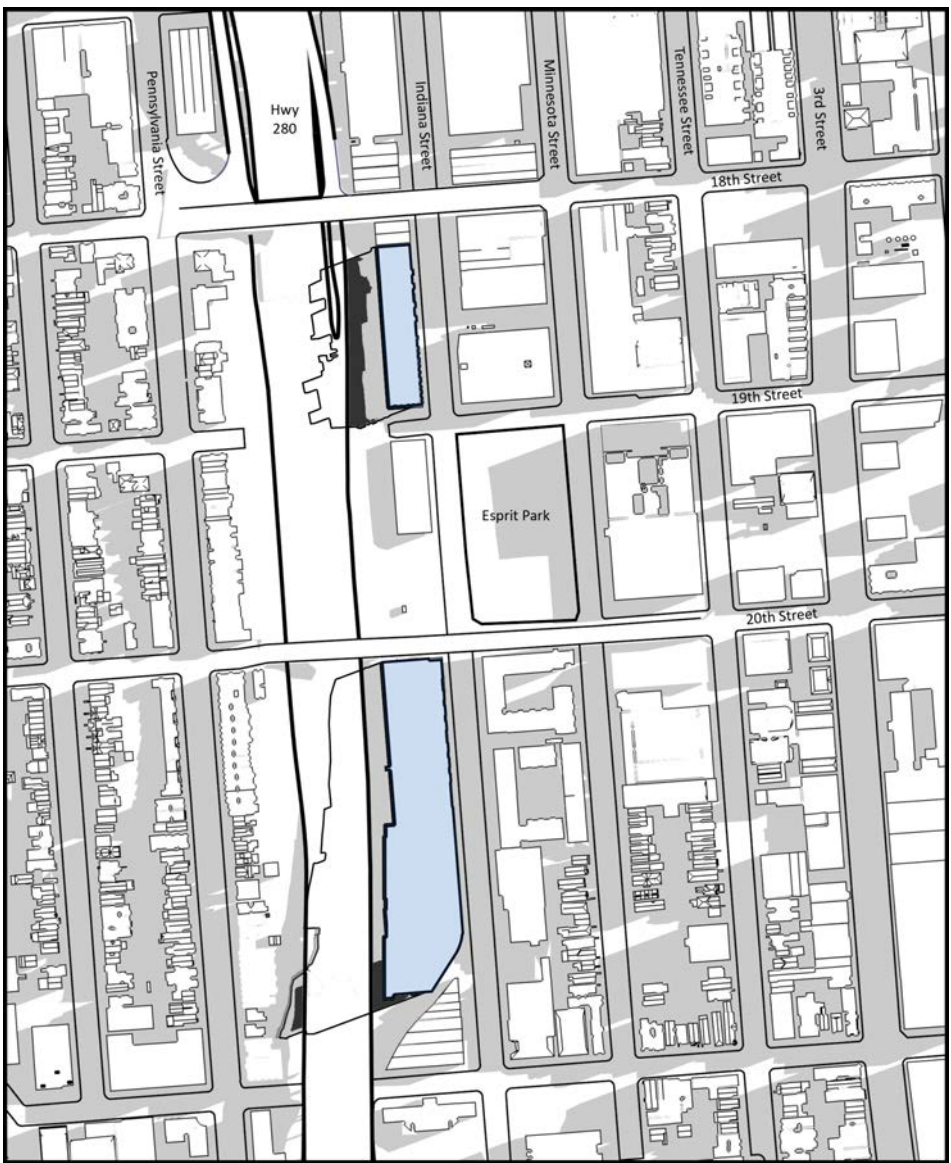
650 & 800 Indiana Street
December 20 Sunset -1hr.



650 & 800 Indiana Street
December 20 Sunset -1hr.



Source: CADP, 2013.



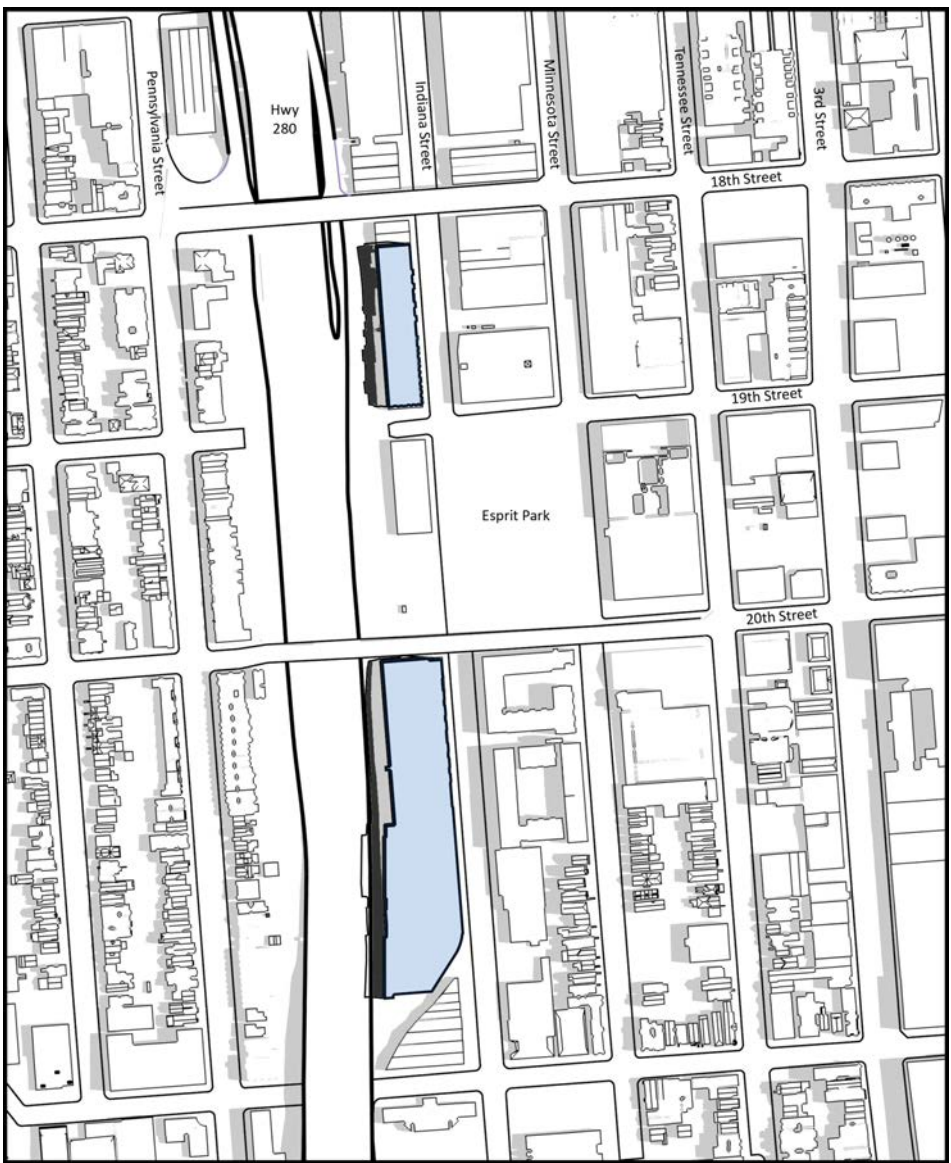
650 & 800 Indiana Street
June 21 Sunrise +1hr.



650 & 800 Indiana Street
June 21 7:00am



Source: CADP, 2013.



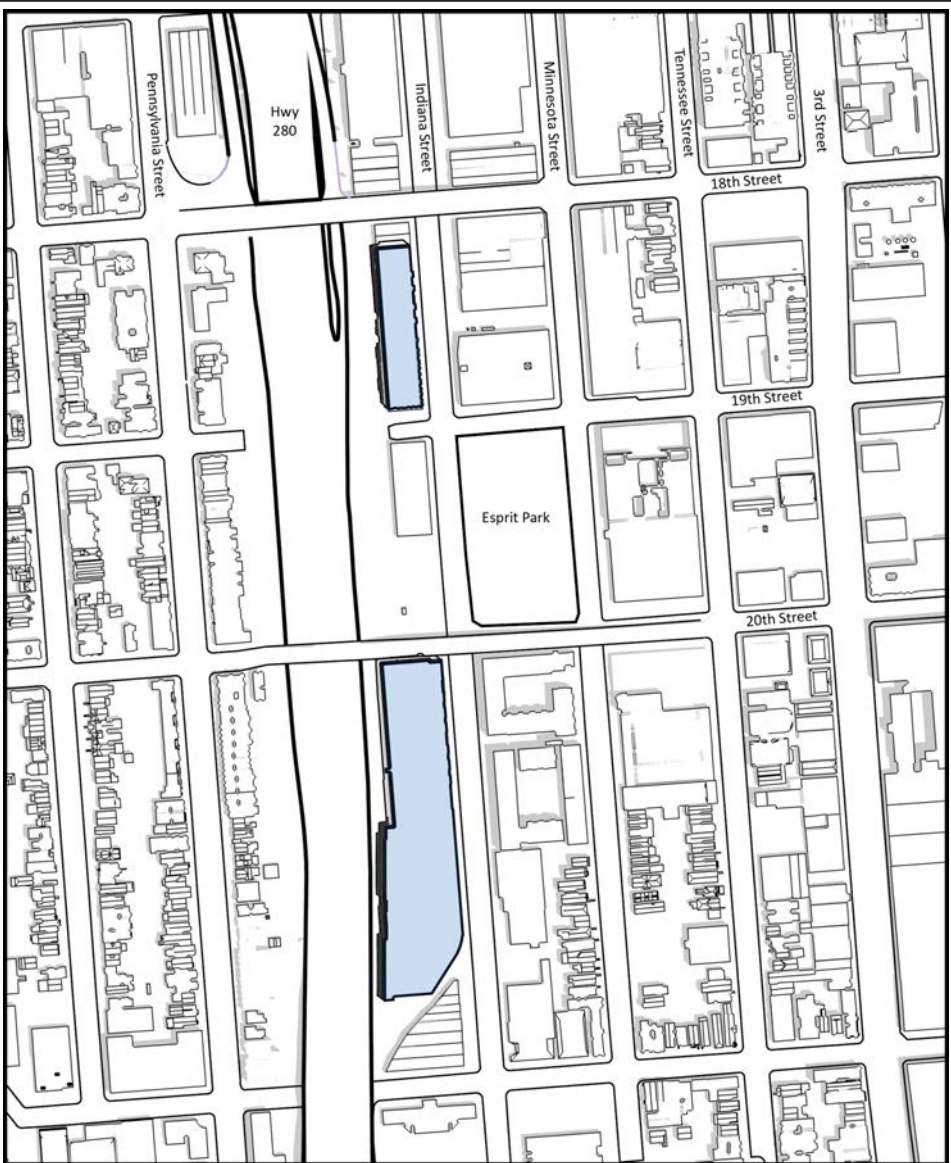
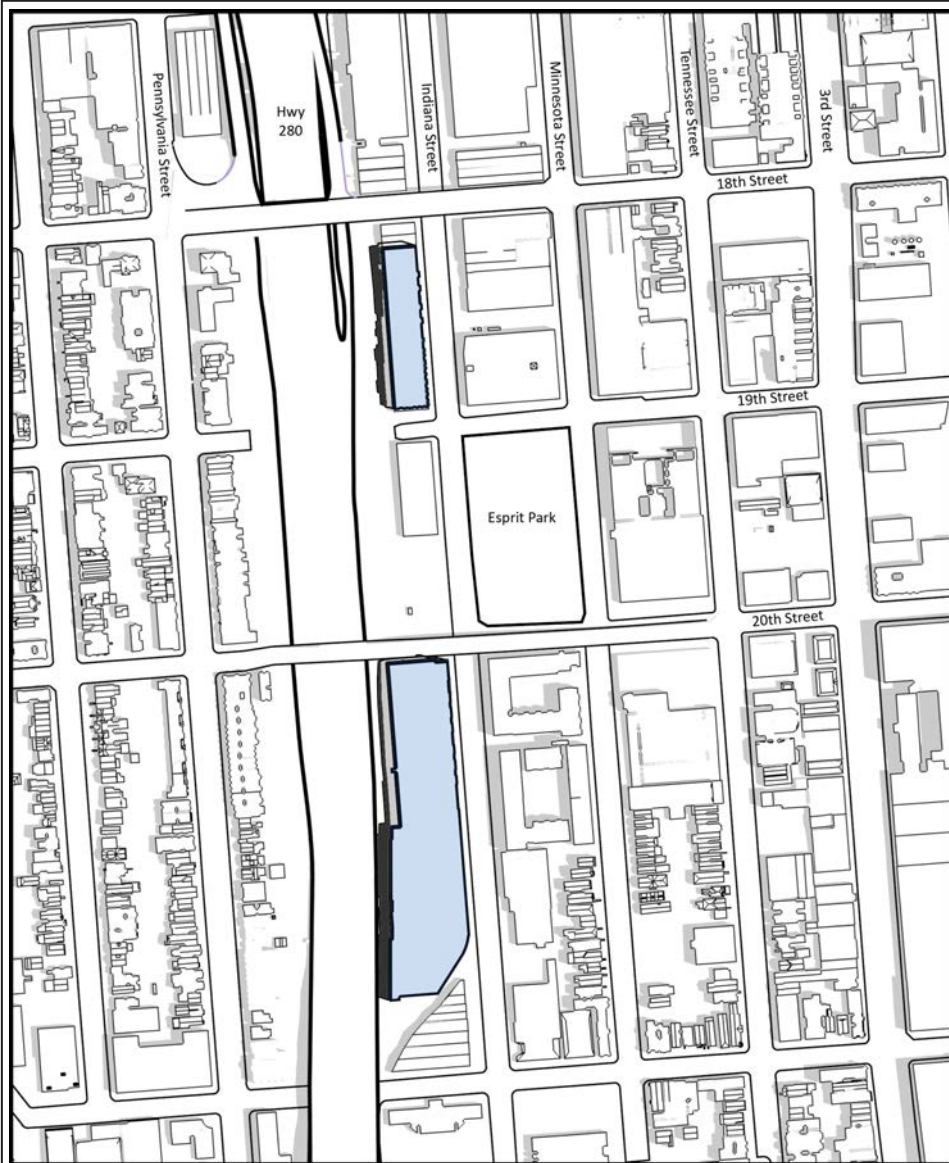
650 & 800 Indiana Street
June 21 9:00am



650 & 800 Indiana Street
June 21 10:00am



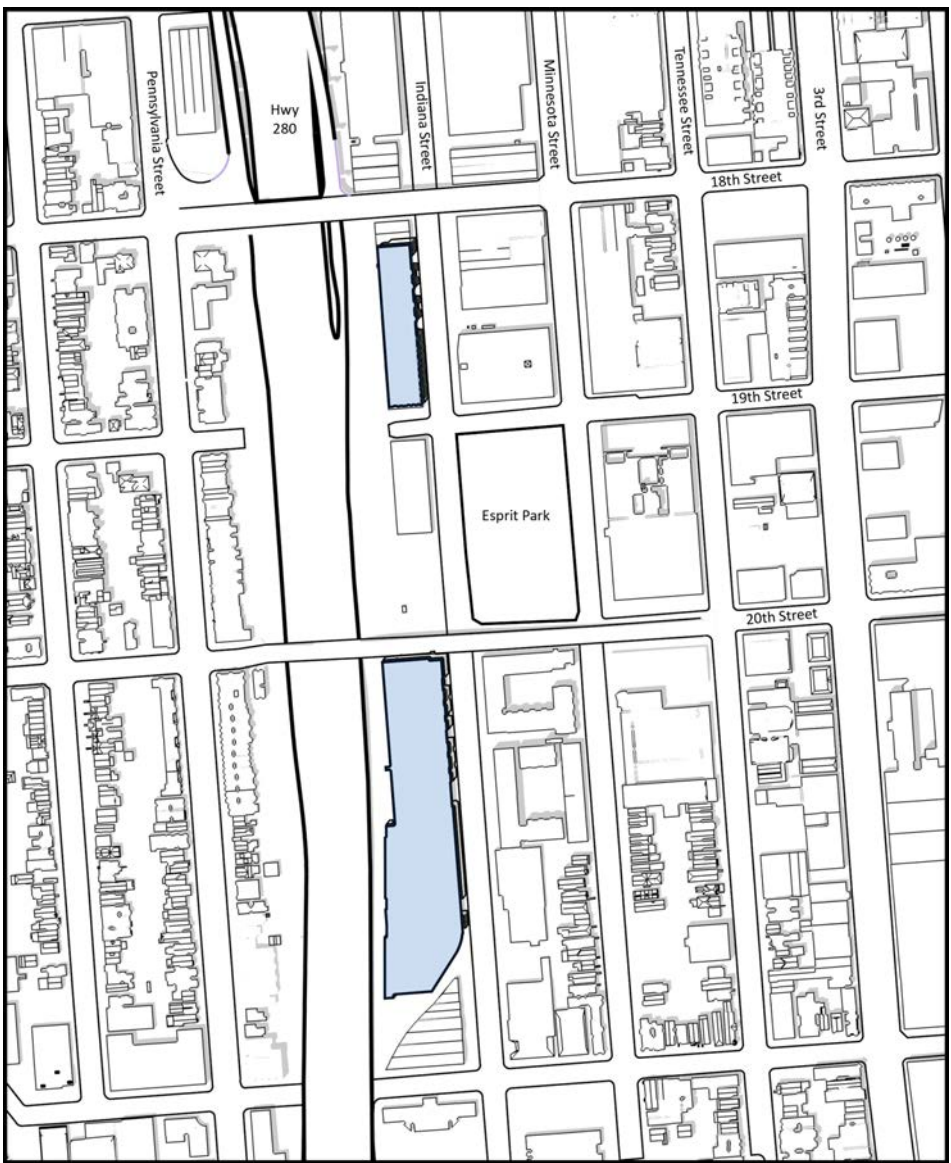
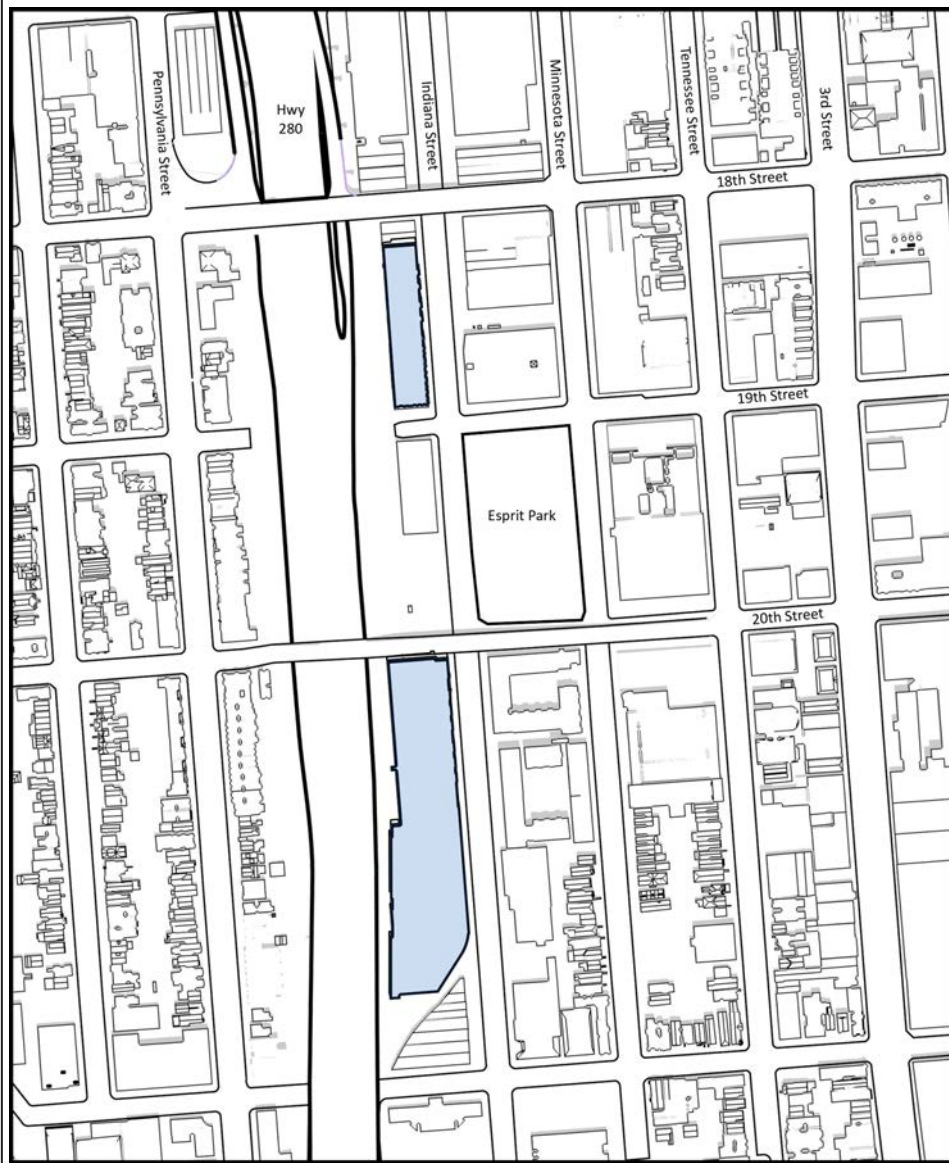
Source: CADP, 2013.



650 & 800 Indiana Street
June 21 11:00am

650 & 800 Indiana Street
June 21 12:00 noon

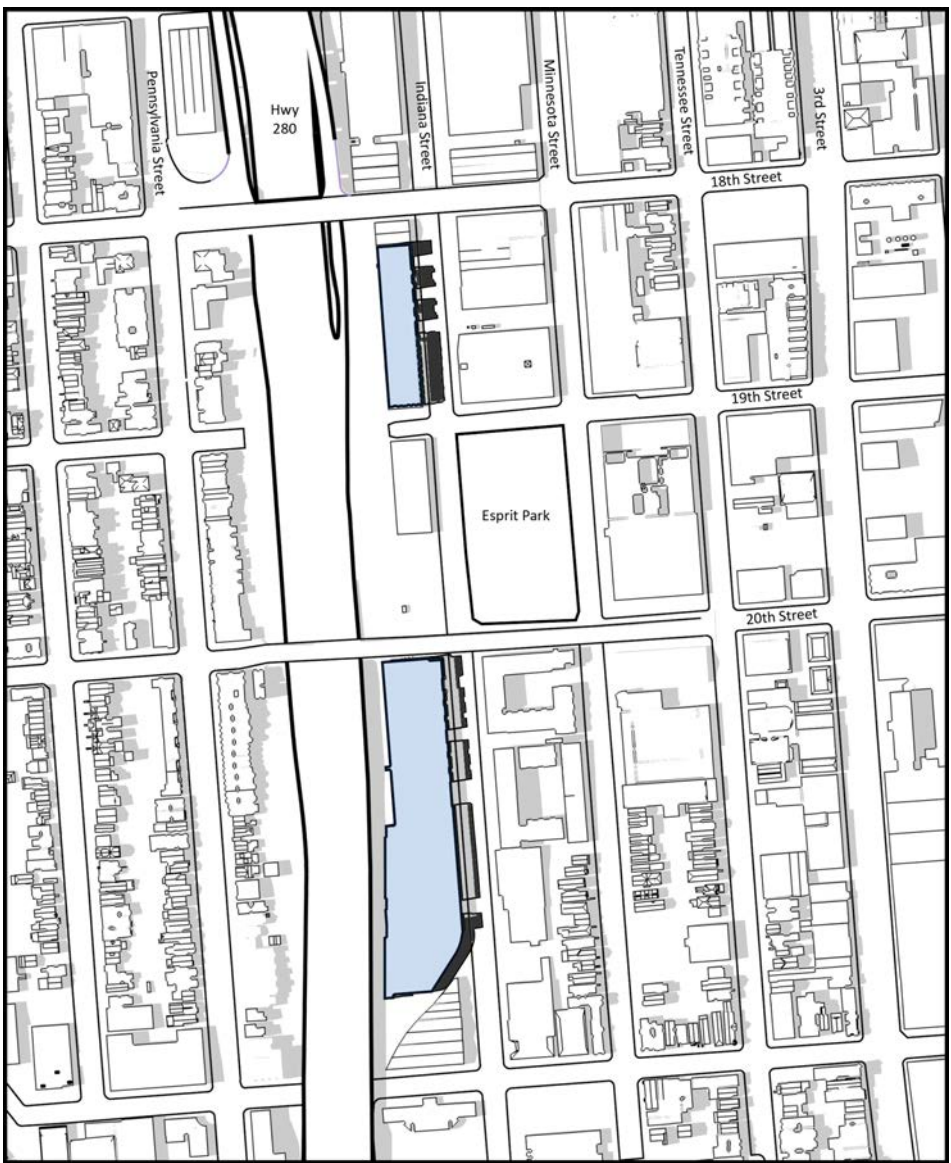
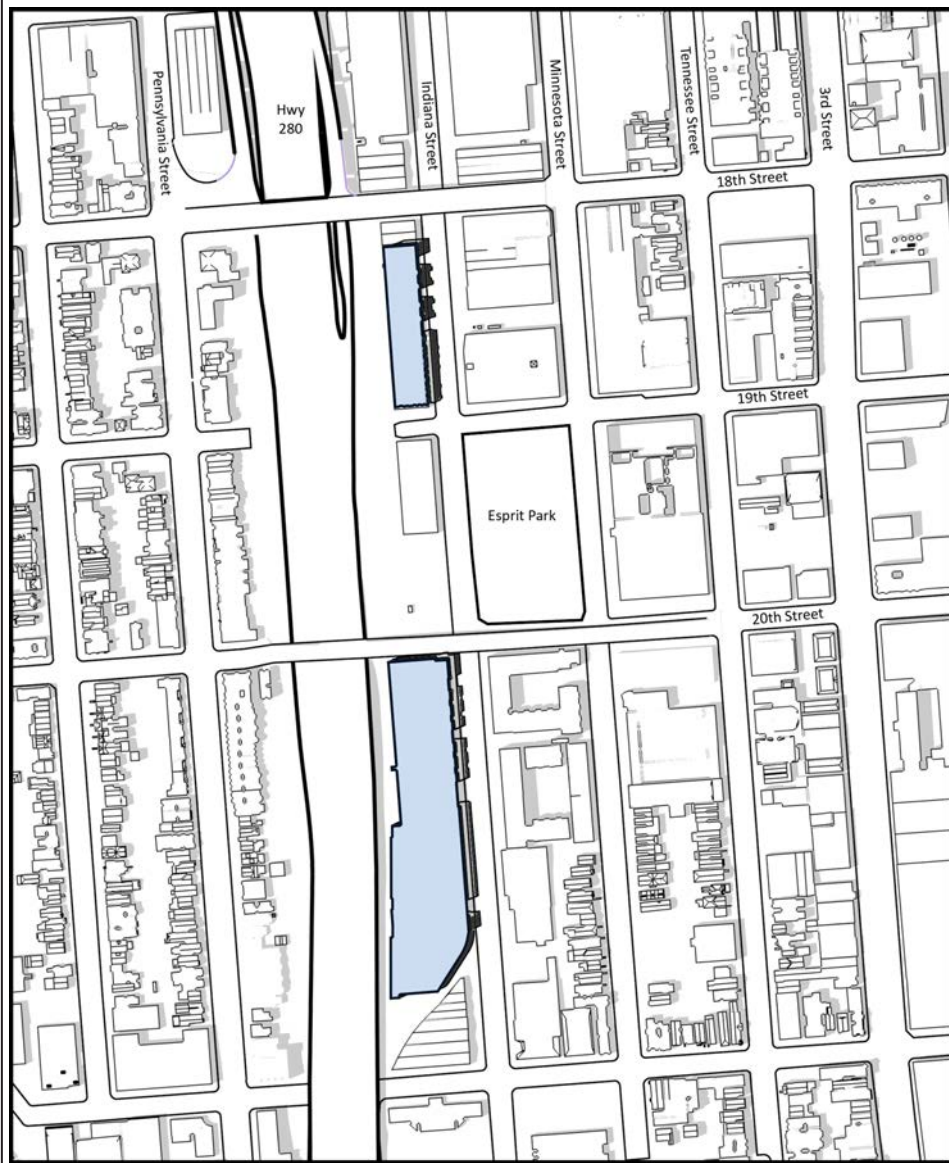
Source: CADP, 2013.



650 & 800 Indiana Street
June 21 1:00pm

650 & 800 Indiana Street
June 21 2:00pm

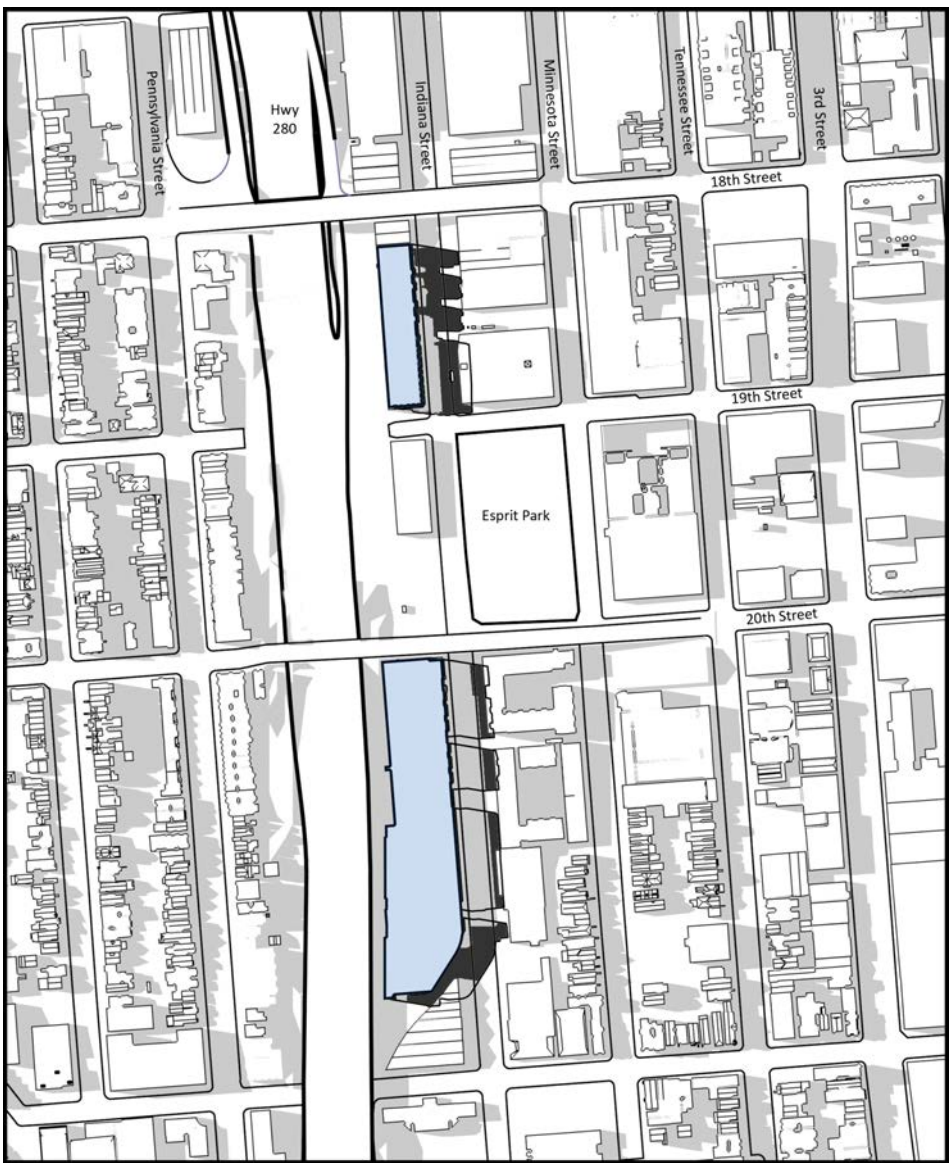
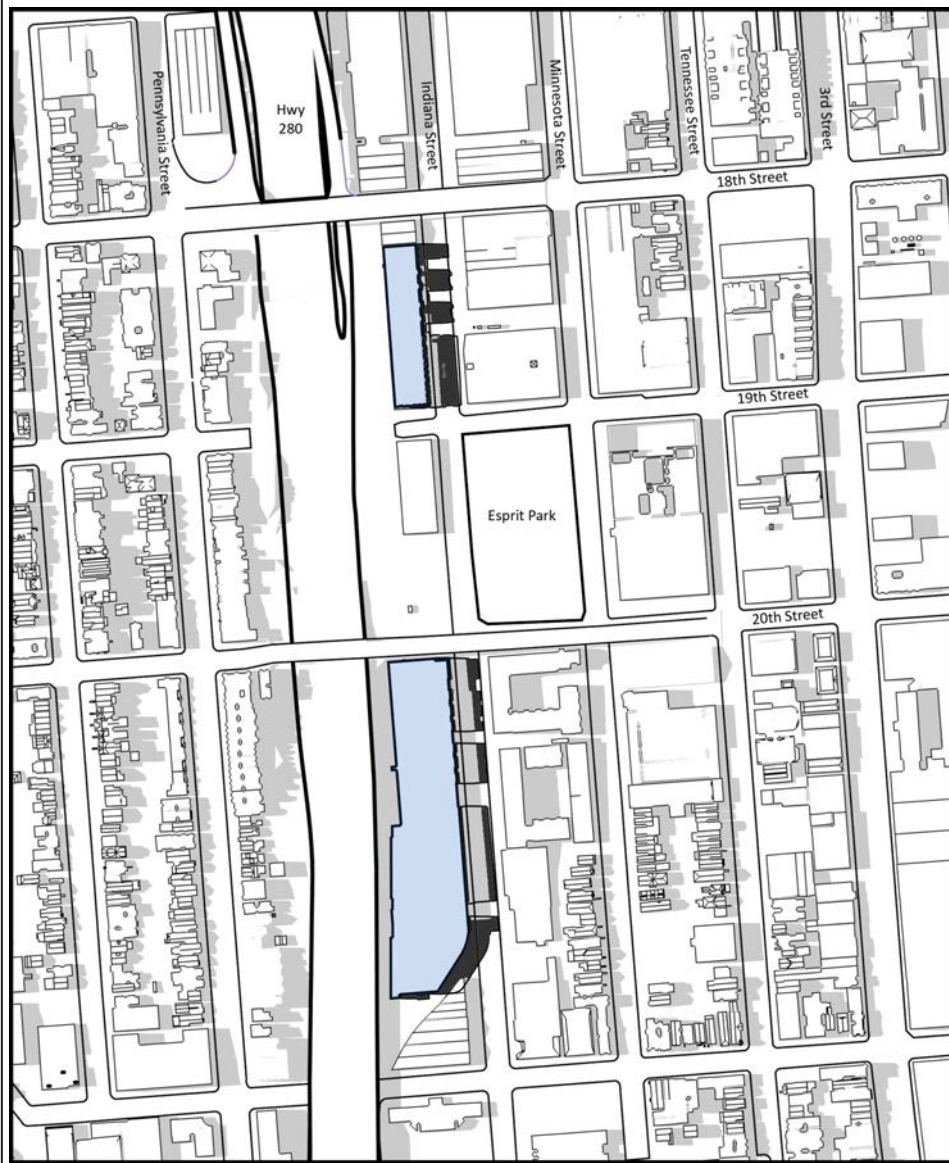
Source: CADP, 2013.



650 & 800 Indiana Street
June 21 3:00pm

650 & 800 Indiana Street
June 21 4:00pm

Source: CADP, 2013.



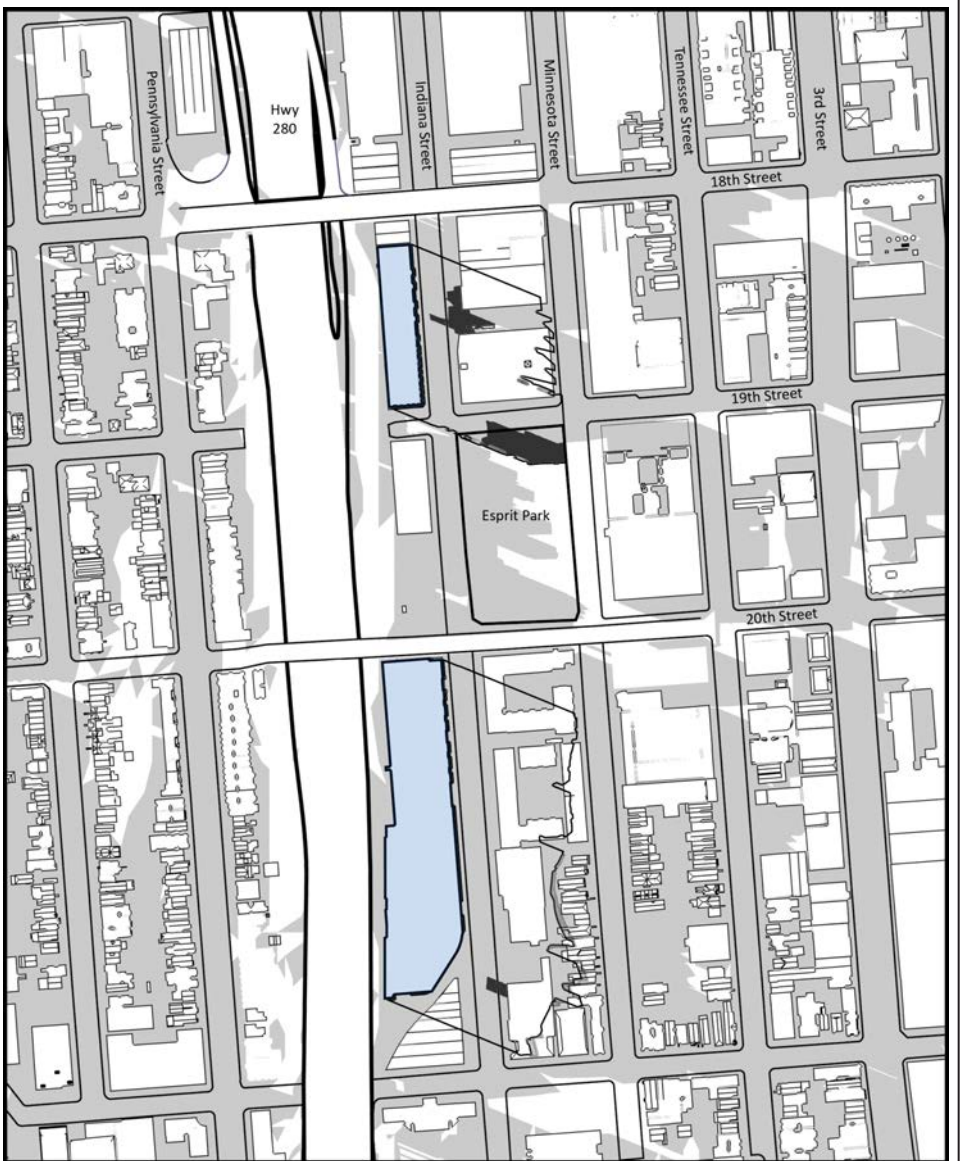
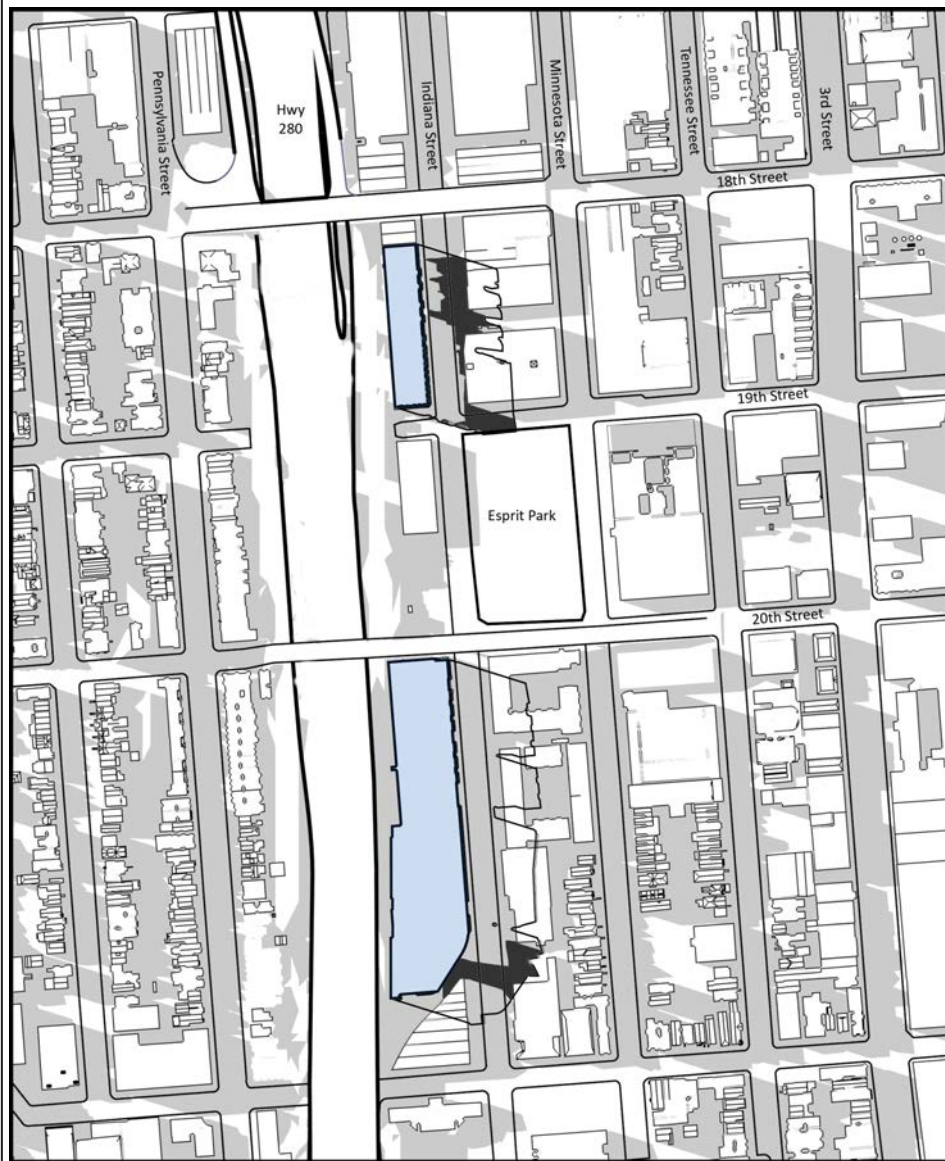
650 & 800 Indiana Street
June 21 5:00pm



650 & 800 Indiana Street
June 21 6:00pm



Source: CADP, 2013.



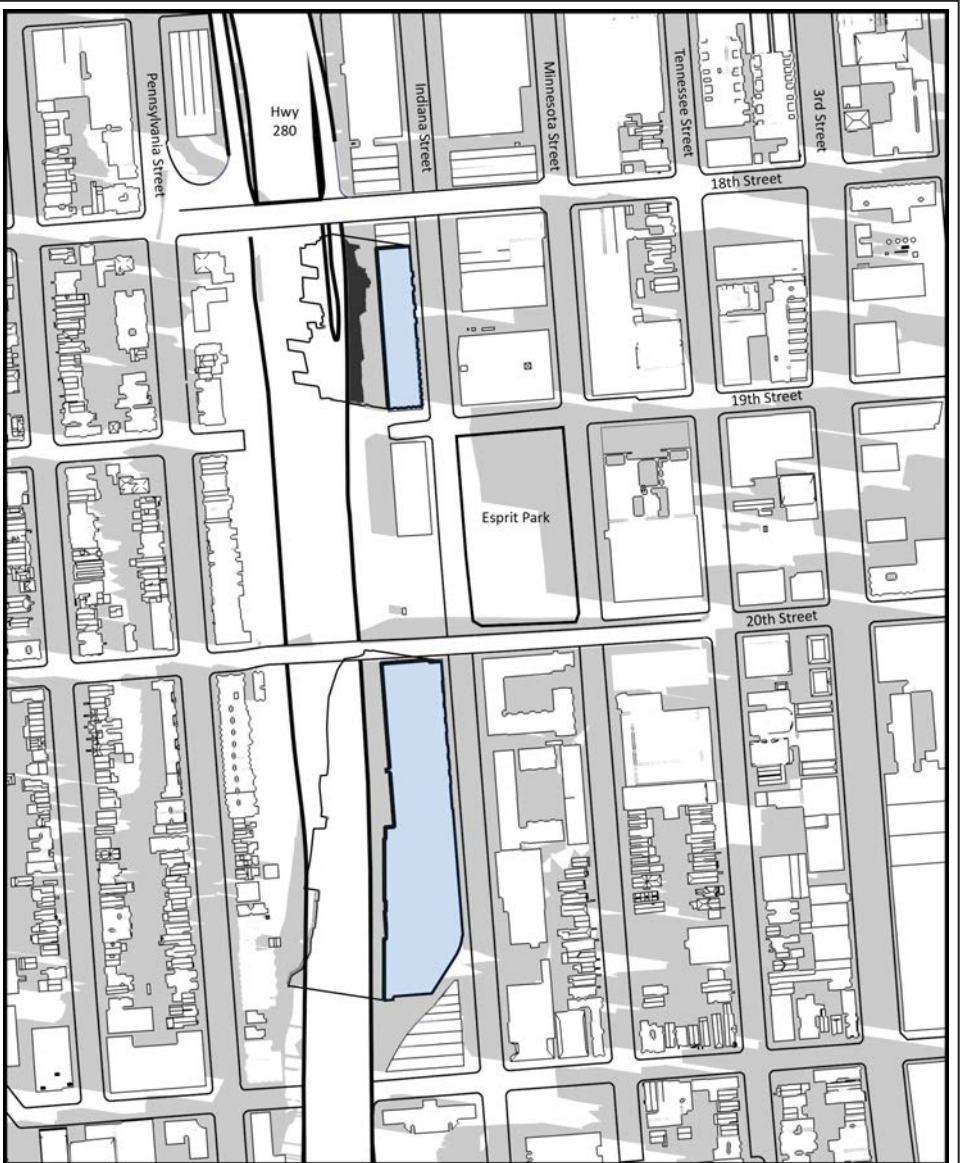
650 & 800 Indiana Street
June 21 7:00pm



650 & 800 Indiana Street
June 21 Sunset -1hr.



Source: CADP, 2013.



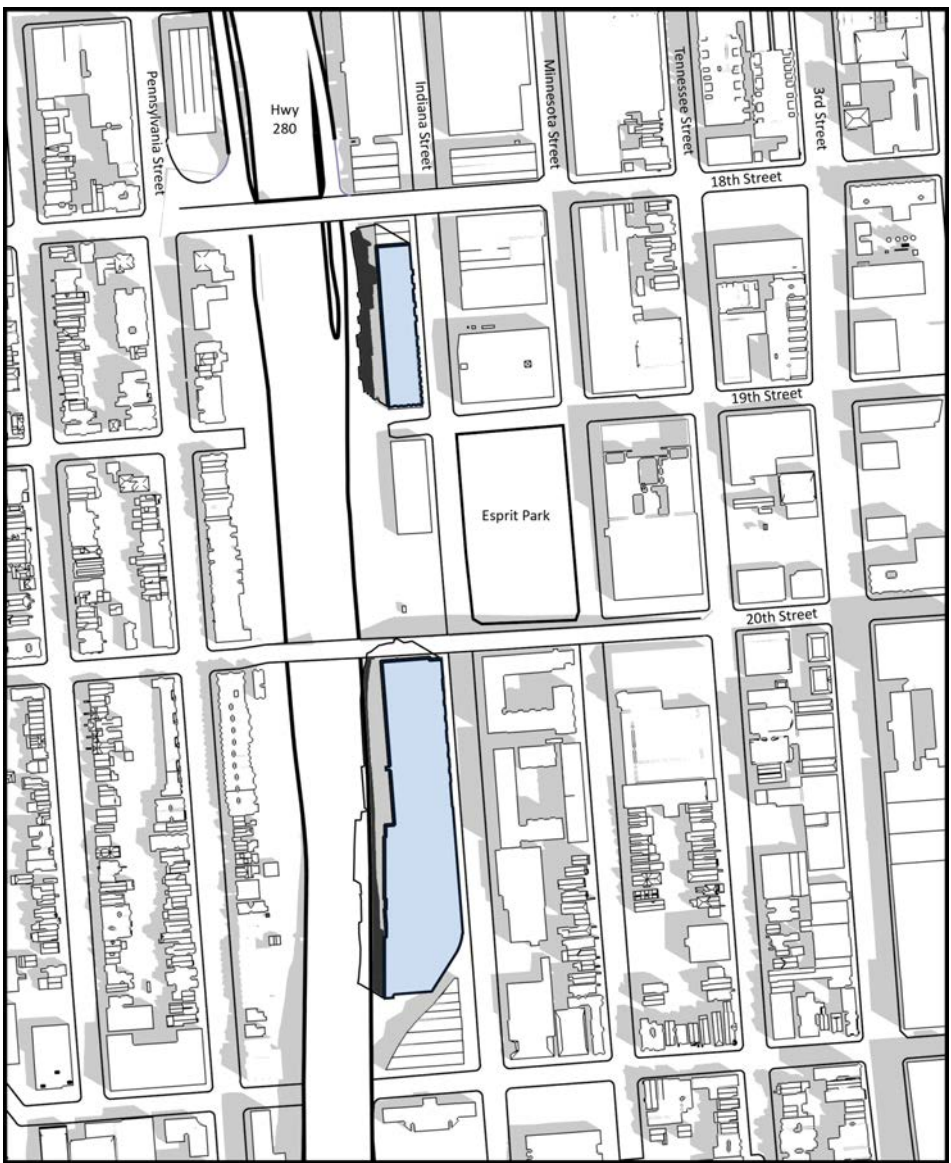
650 & 800 Indiana Street
September 20 Sunrise +1hr.



650 & 800 Indiana Street
September 8:00am



Source: CADP, 2013.



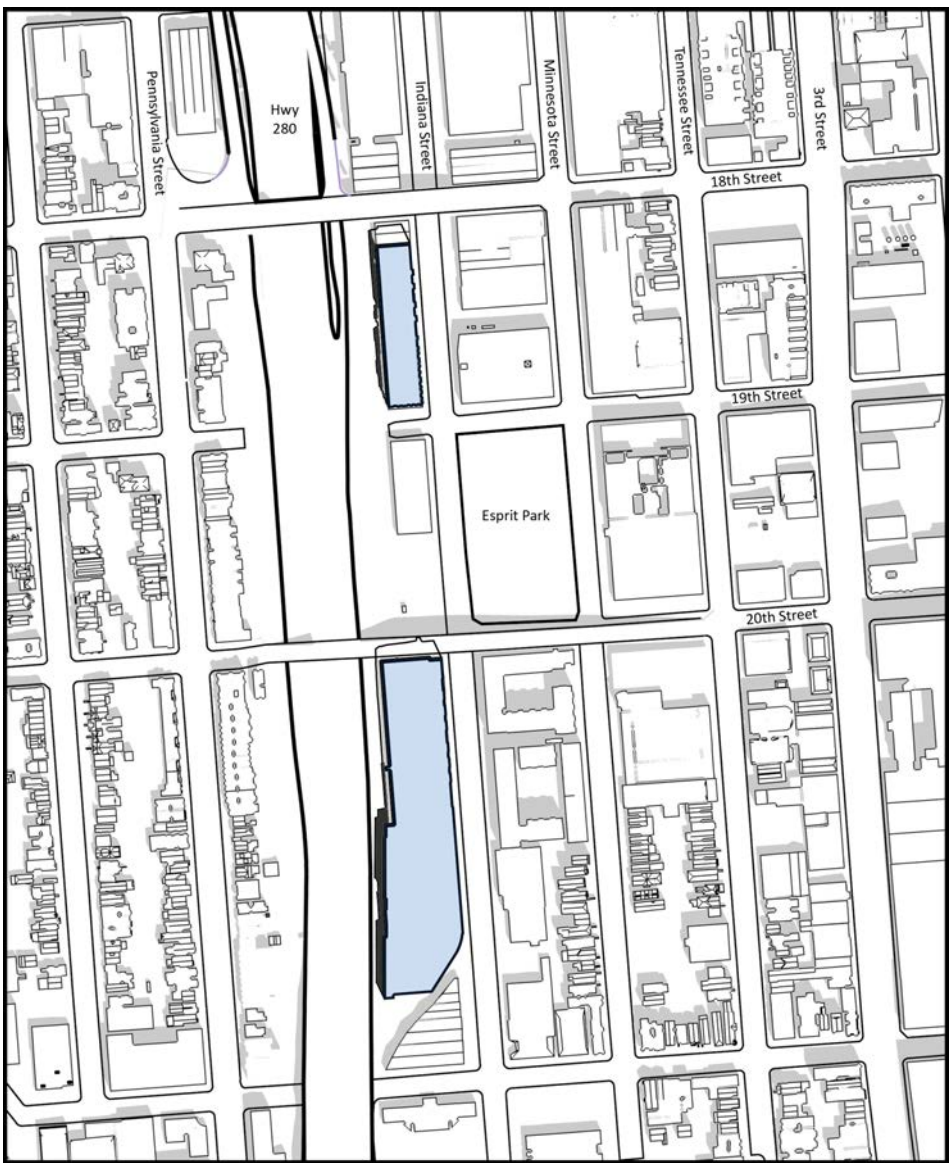
650 & 800 Indiana Street
September 9:00am



650 & 800 Indiana Street
September 10:00am



Source: CADP, 2013.



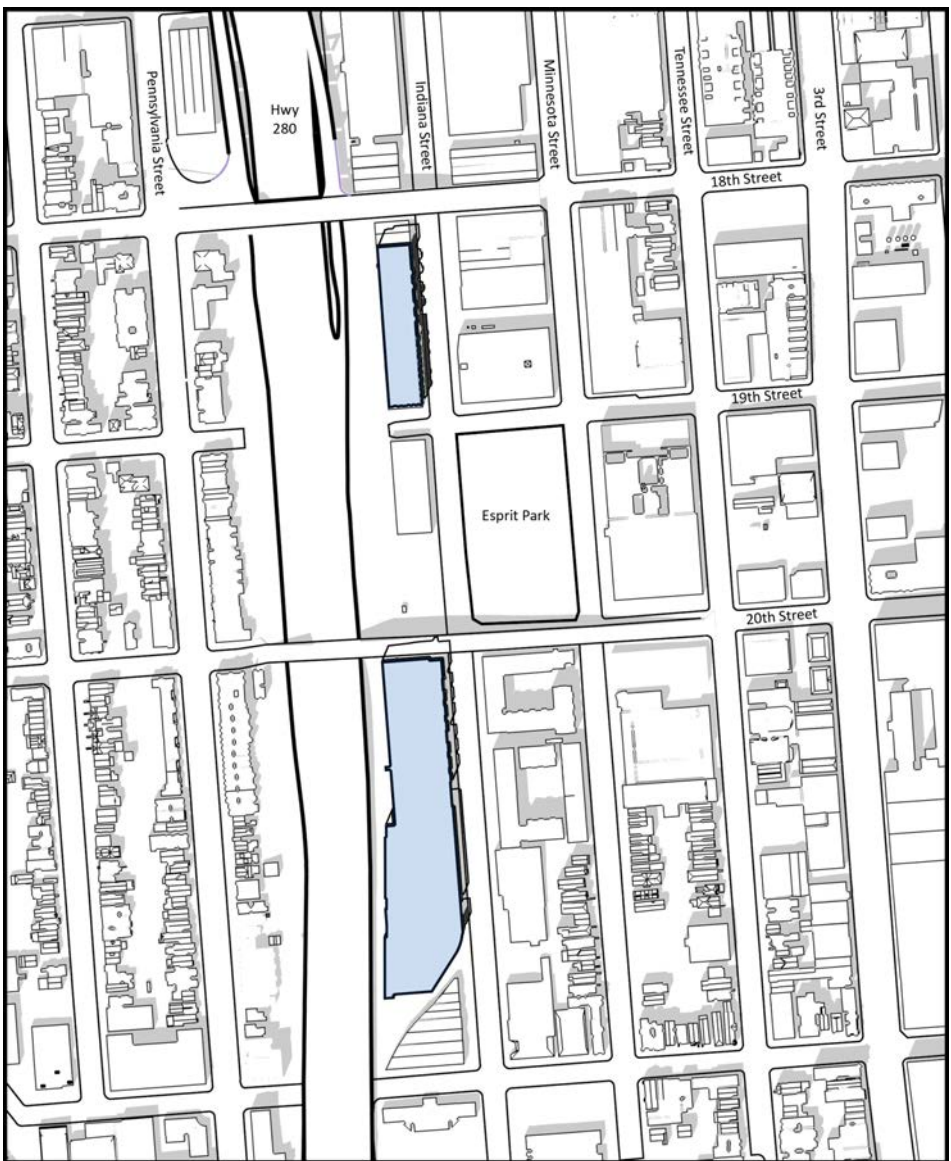
650 & 800 Indiana Street
September 11:00am



650 & 800 Indiana Street
September 12:00 noon



Source: CADP, 2013.



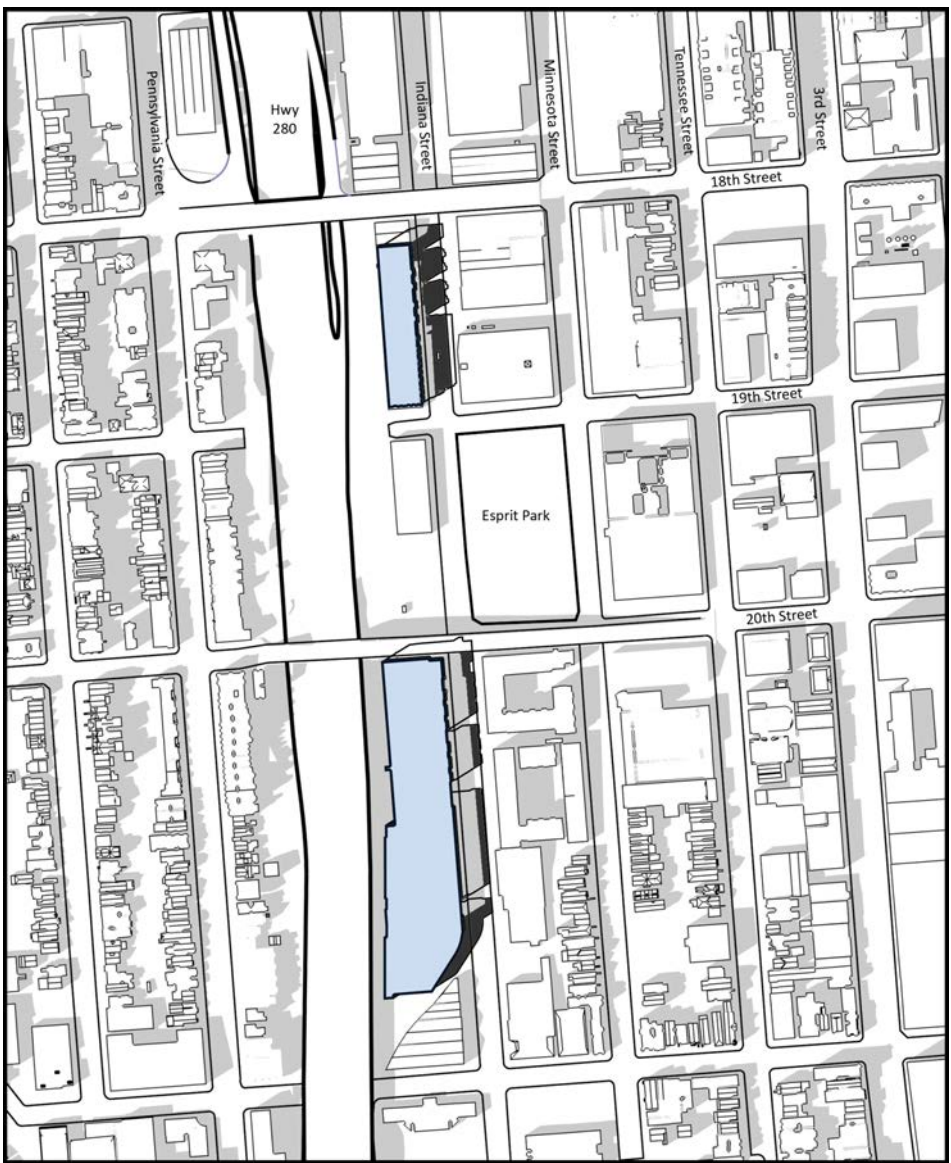
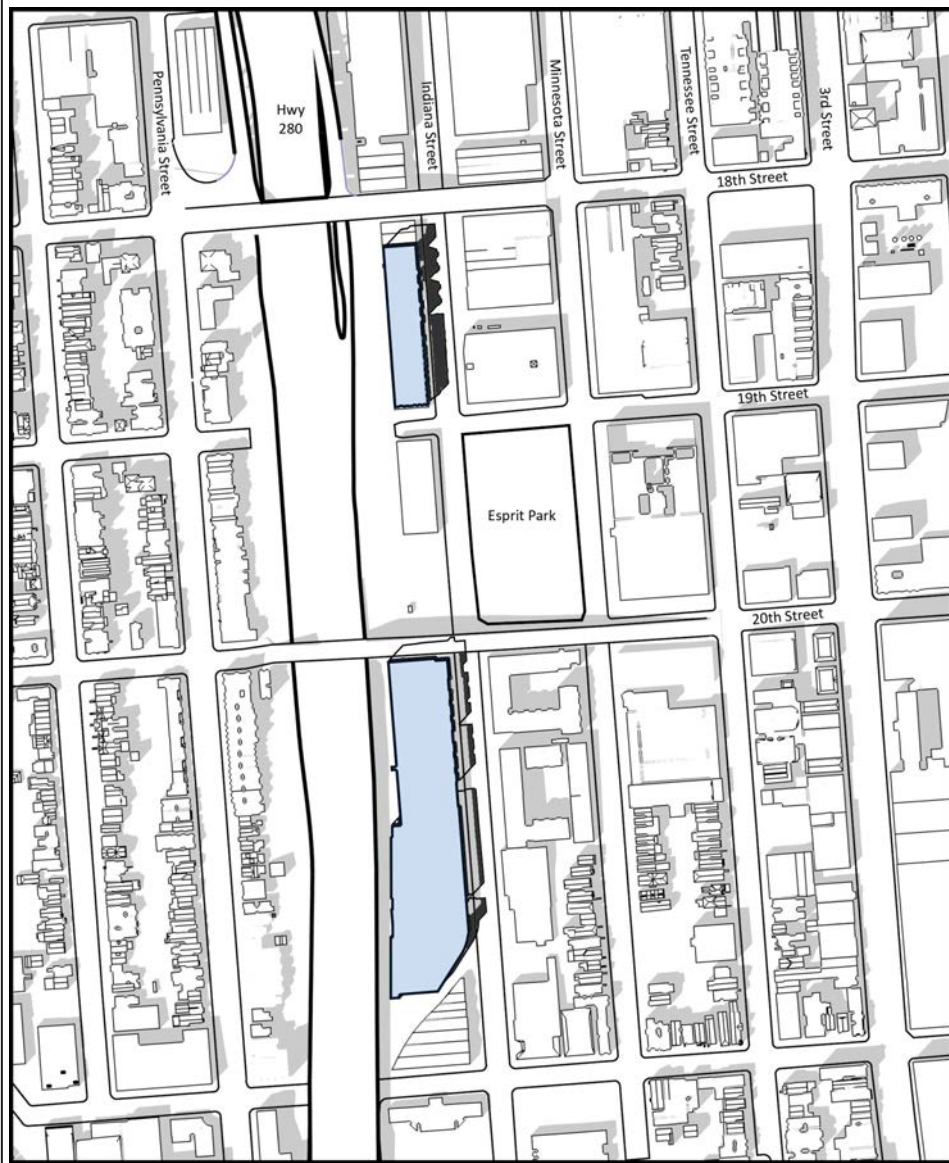
650 & 800 Indiana Street
September 1:00pm



650 & 800 Indiana Street
September 2:00pm



Source: CADP, 2013.



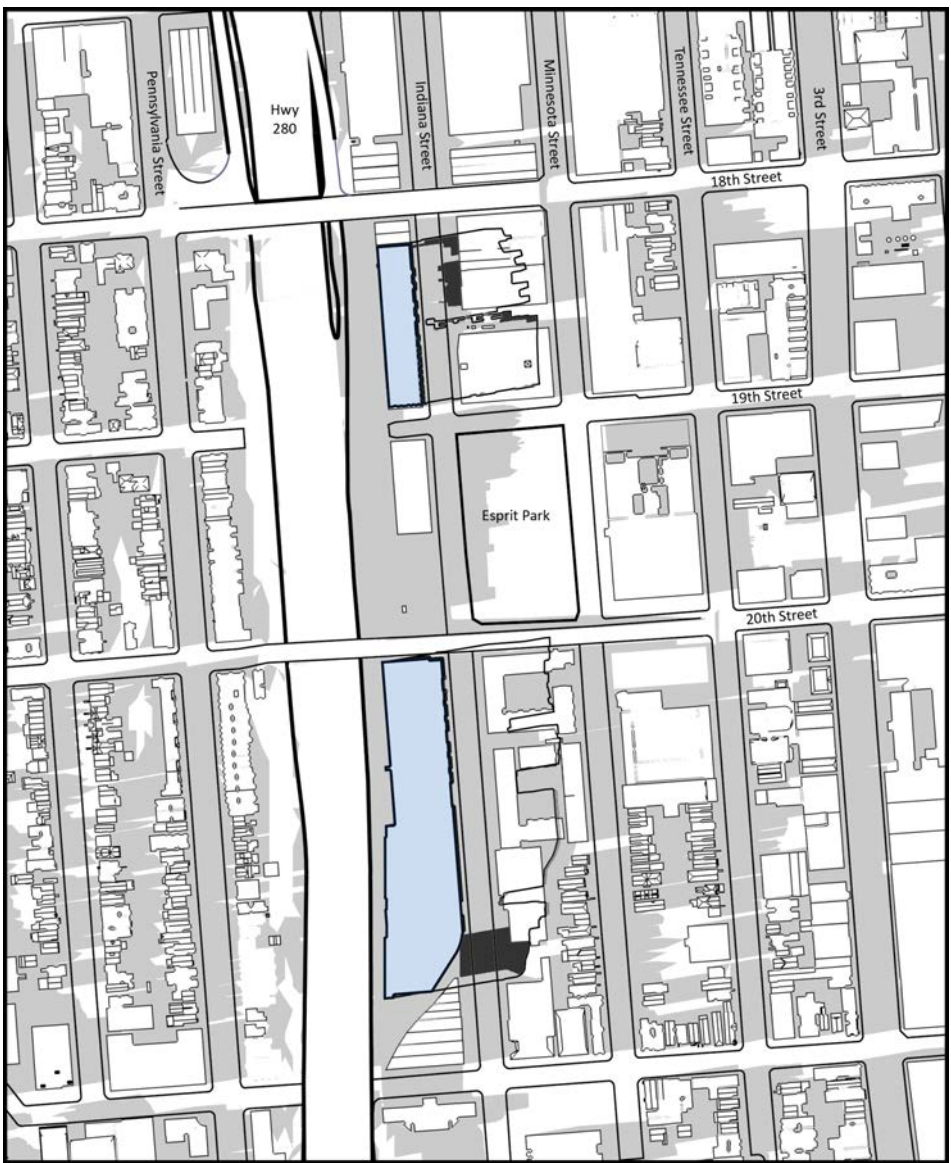
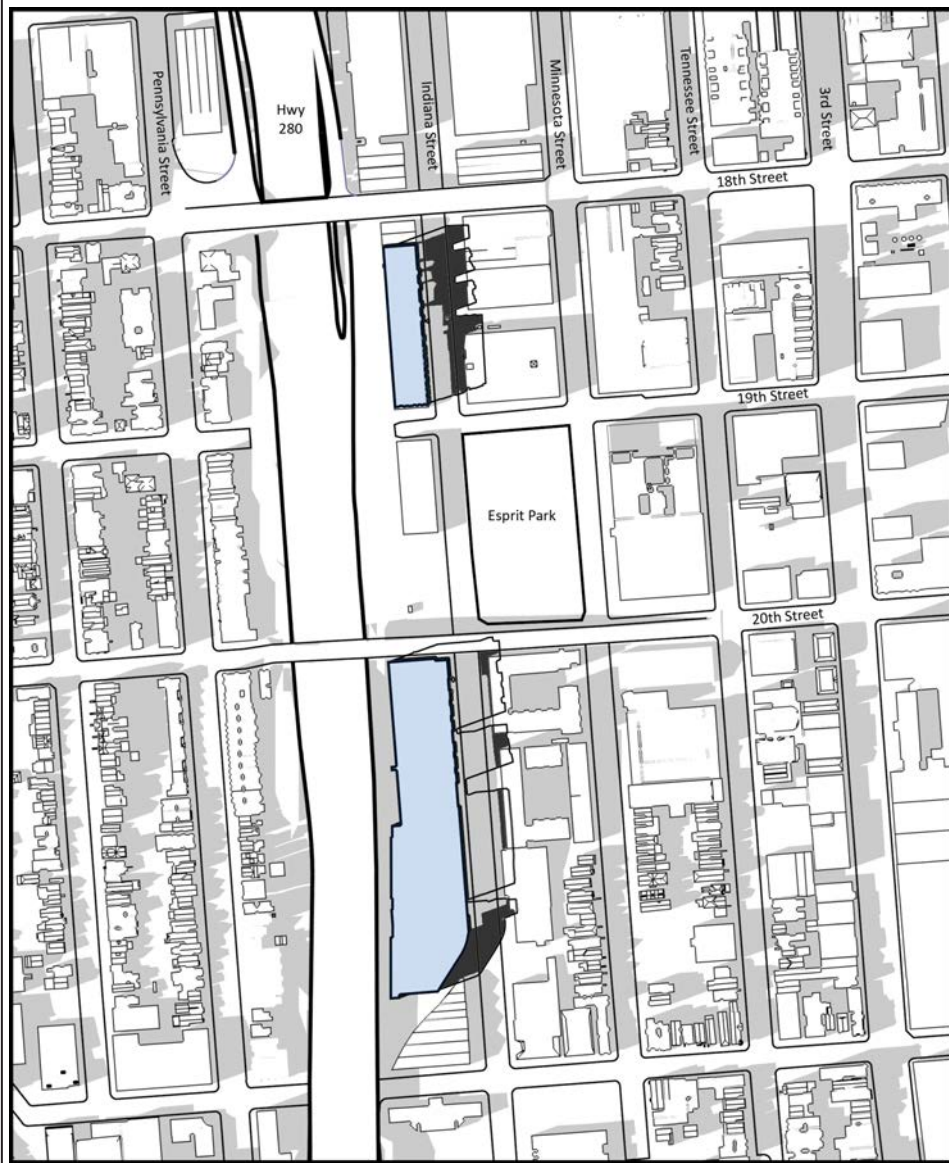
650 & 800 Indiana Street
September 3:00pm



650 & 800 Indiana Street
September 4:00pm



Source: CADP, 2013.



650 & 800 Indiana Street
September 5:00pm



650 & 800 Indiana Street
September 6:00pm



Source: CADP, 2013.



650 & 800 Indiana Street
September Sunset -1hr.



Source: CADP, 2013.

APPENDIX B

Quantitative Shadow Spreadsheets

650 INDIANA STREET



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
172	06.21 06:46:48	0:06:36	61,544.08	6,769.85	0.00	0.00	31,654.83	3,482.04
172	06.21 07:00:00	0:13:48	43,583.25	10,024.15	0.00	0.00	49,615.67	11,411.61
172	06.21 07:15:00	0:15:00	29,533.45	7,383.37	0.00	0.00	63,665.47	15,916.36
172	06.21 07:30:00	0:15:00	19,908.33	4,977.09	0.00	0.00	73,290.59	18,322.64
172	06.21 07:45:00	0:15:00	12,637.32	3,159.33	0.00	0.00	80,561.59	20,140.40
172	06.21 08:00:00	0:15:00	8,522.97	2,130.75	0.00	0.00	84,675.94	21,168.99
172	06.21 08:15:00	0:15:00	5,521.47	1,380.37	0.00	0.00	87,677.44	21,919.36
172	06.21 08:30:00	0:15:00	3,065.70	766.42	0.00	0.00	90,133.22	22,533.30
172	06.21 08:45:00	0:15:00	1,019.22	254.80	0.00	0.00	92,179.69	23,044.92
172	06.21 09:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 09:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 09:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 09:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 10:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 10:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 10:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 10:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 11:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 11:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 11:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 11:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 12:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 12:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 12:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 12:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 13:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 13:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 13:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 13:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 14:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 14:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 14:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 14:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 15:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 15:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 15:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 15:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 16:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 16:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 16:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 16:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 17:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 17:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 17:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 17:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 18:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 18:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 18:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	06.21 18:45:00	0:15:00	569.80	142.45	0.00	0.00	92,629.11	23,157.28
172	06.21 19:00:00	0:15:00	3,006.85	751.71	50.83	12.71	90,141.24	22,535.31
172	06.21 19:15:00	0:18:00	9,721.43	2,916.42	2,239.08	671.72	81,238.40	24,371.53
172	06.21 19:36:00	0:10:48	56,817.13	10,227.08	9,338.89	1,681.00	27,042.91	4,867.73
179	06.28 06:48:35	0:06:00	61,648.41	6,164.84	0.00	0.00	31,550.51	3,155.05
179	06.28 07:00:00	0:13:12	46,036.34	10,127.99	0.00	0.00	47,162.58	10,375.76
179	06.28 07:15:00	0:15:00	31,146.56	7,786.64	0.00	0.00	62,052.36	15,513.09
179	06.28 07:30:00	0:15:00	21,010.49	5,252.62	0.00	0.00	72,188.43	18,047.11
179	06.28 07:45:00	0:15:00	13,490.69	3,372.67	0.00	0.00	79,708.23	19,927.06
179	06.28 08:00:00	0:15:00	8,991.12	2,247.78	0.00	0.00	84,207.80	21,051.95
179	06.28 08:15:00	0:15:00	5,885.29	1,471.32	0.00	0.00	87,313.62	21,828.40
179	06.28 08:30:00	0:15:00	3,373.34	843.33	0.00	0.00	89,825.57	22,456.39
179	06.28 08:45:00	0:15:00	1,259.99	314.99	0.00	0.00	91,938.93	22,984.74
179	06.28 09:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
179	06.28 09:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 09:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 09:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 10:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 10:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 10:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 10:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 11:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 11:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 11:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 11:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 12:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 12:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 12:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 12:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 13:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 13:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 13:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 13:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 14:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 14:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 14:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 14:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 15:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 15:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 15:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 15:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 16:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 16:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 16:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 16:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 17:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 17:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 17:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 17:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 18:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 18:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 18:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	06.28 18:45:00	0:15:00	441.40	110.35	0.00	0.00	92,757.52	23,189.38
179	06.28 19:00:00	0:15:00	2,873.09	718.28	0.00	0.00	90,325.83	22,581.46
179	06.28 19:15:00	0:18:00	8,648.70	2,594.61	1,974.25	592.27	82,575.97	24,772.79
179	06.28 19:36:36	0:10:48	57,579.53	10,364.31	9,293.41	1,672.82	26,325.97	4,738.68
186	07.05 06:52:12	0:03:36	61,487.91	3,689.27	0.00	0.00	31,711.01	1,902.66
186	07.05 07:00:00	0:11:24	49,572.86	9,418.84	0.00	0.00	43,626.04	8,288.95
186	07.05 07:15:00	0:15:00	33,661.18	8,415.29	0.00	0.00	59,537.74	14,884.43
186	07.05 07:30:00	0:15:00	22,735.94	5,683.99	0.00	0.00	70,462.98	17,615.75
186	07.05 07:45:00	0:15:00	14,761.38	3,690.35	0.00	0.00	78,437.54	19,609.38
186	07.05 08:00:00	0:15:00	9,675.95	2,418.99	0.00	0.00	83,522.97	20,880.74
186	07.05 08:15:00	0:15:00	6,398.91	1,599.73	0.00	0.00	86,800.00	21,700.00
186	07.05 08:30:00	0:15:00	3,806.72	951.68	0.00	0.00	89,392.20	22,348.05
186	07.05 08:45:00	0:15:00	1,613.10	403.28	0.00	0.00	91,585.82	22,896.45
186	07.05 09:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 09:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 09:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 09:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 10:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 10:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 10:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 10:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 11:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 11:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 11:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 11:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 12:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 12:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 12:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
186	07.05 12:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 13:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 13:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 13:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 13:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 14:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 14:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 14:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 14:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 15:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 15:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 15:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 15:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 16:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 16:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 16:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 16:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 17:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 17:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 17:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 17:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 18:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 18:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 18:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	07.05 18:45:00	0:15:00	516.30	129.07	0.00	0.00	92,682.61	23,170.65
186	07.05 19:00:00	0:15:00	2,939.97	734.99	0.00	0.00	90,258.95	22,564.74
186	07.05 19:15:00	0:18:00	9,229.20	2,768.77	1,770.94	531.28	82,198.77	24,659.63
186	07.05 19:36:00	0:10:48	59,077.61	10,633.97	8,699.52	1,565.91	25,421.78	4,575.92
193	07.12 06:56:24	0:01:48	61,011.73	1,830.35	0.00	0.00	32,187.18	965.62
193	07.12 07:00:00	0:09:00	55,380.58	8,307.08	0.00	0.00	37,818.34	5,672.75
193	07.12 07:15:00	0:15:00	37,251.21	9,312.80	0.00	0.00	55,947.71	13,986.92
193	07.12 07:30:00	0:15:00	25,194.39	6,298.59	0.00	0.00	68,004.52	17,001.13
193	07.12 07:45:00	0:15:00	16,521.62	4,130.40	0.00	0.00	76,677.30	19,169.32
193	07.12 08:00:00	0:15:00	10,542.69	2,635.67	0.00	0.00	82,656.22	20,664.05
193	07.12 08:15:00	0:15:00	7,107.82	1,776.96	0.00	0.00	86,091.09	21,522.77
193	07.12 08:30:00	0:15:00	4,333.72	1,083.43	0.00	0.00	88,865.20	22,216.30
193	07.12 08:45:00	0:15:00	2,067.87	516.97	0.00	0.00	91,131.04	22,782.76
193	07.12 09:00:00	0:15:00	141.78	35.45	0.00	0.00	93,057.13	23,264.29
193	07.12 09:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 09:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 09:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 10:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 10:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 10:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 10:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 11:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 11:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 11:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 11:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 12:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 12:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 12:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 12:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 13:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 13:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 13:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 13:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 14:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 14:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 14:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 14:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 15:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 15:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 15:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 15:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 16:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
193	07.12 16:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 16:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 16:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 17:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 17:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 17:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 17:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 18:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 18:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 18:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	07.12 18:45:00	0:15:00	786.49	196.62	0.00	0.00	92,412.43	23,103.11
193	07.12 19:00:00	0:15:00	3,325.18	831.30	0.00	0.00	89,873.73	22,468.44
193	07.12 19:15:00	0:16:48	11,973.89	3,352.69	1,671.96	468.14	79,553.07	22,274.86
193	07.12 19:33:36	0:09:00	61,322.05	9,198.30	7,506.42	1,125.96	24,370.45	3,655.57
200	07.19 07:01:11	0:07:48	60,722.82	7,893.96	0.00	0.00	32,476.10	4,221.89
200	07.19 07:16:11	0:14:24	40,611.17	9,746.68	0.00	0.00	52,587.74	12,621.06
200	07.19 07:30:00	0:14:24	28,337.67	6,801.04	0.00	0.00	64,861.25	15,566.70
200	07.19 07:45:00	0:15:00	18,699.18	4,674.79	0.00	0.00	74,499.74	18,624.94
200	07.19 08:00:00	0:15:00	11,749.17	2,937.30	0.00	0.00	81,449.73	20,362.44
200	07.19 08:15:00	0:15:00	7,939.79	1,984.95	0.00	0.00	85,259.13	21,314.78
200	07.19 08:30:00	0:15:00	5,023.90	1,255.97	0.00	0.00	88,175.02	22,043.76
200	07.19 08:45:00	0:15:00	2,605.57	651.40	0.00	0.00	90,593.34	22,648.33
200	07.19 09:00:00	0:15:00	569.80	142.45	0.00	0.00	92,629.11	23,157.28
200	07.19 09:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 09:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 09:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 10:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 10:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 10:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 10:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 11:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 11:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 11:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 11:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 12:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 12:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 12:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 12:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 13:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 13:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 13:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 13:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 14:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 14:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 14:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 14:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 15:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 15:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 15:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 15:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 16:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 16:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 16:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 16:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 17:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 17:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 17:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 17:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 18:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 18:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 18:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	07.19 18:45:00	0:15:00	1,313.49	328.37	0.00	0.00	91,885.43	22,971.36
200	07.19 19:00:00	0:15:00	4,060.85	1,015.21	0.00	0.00	89,138.06	22,284.51
200	07.19 19:15:00	0:15:00	17,741.47	4,435.37	1,661.26	415.31	73,796.19	18,449.04
200	07.19 19:30:00	0:07:48	64,652.58	8,404.84	6,332.04	823.17	22,214.29	2,887.86



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
207	07.26 07:07:12	0:03:36	60,506.13	3,630.37	0.00	0.00	32,692.78	1,961.57
207	07.26 07:15:00	0:11:24	48,460.01	9,207.40	0.00	0.00	44,738.90	8,500.39
207	07.26 07:30:00	0:15:00	32,133.69	8,033.42	0.00	0.00	61,065.23	15,266.31
207	07.26 07:45:00	0:15:00	21,419.78	5,354.94	0.00	0.00	71,779.13	17,944.79
207	07.26 08:00:00	0:15:00	13,685.98	3,421.49	0.00	0.00	79,512.94	19,878.23
207	07.26 08:15:00	0:15:00	8,950.99	2,237.75	0.00	0.00	84,247.93	21,061.98
207	07.26 08:30:00	0:15:00	5,826.43	1,456.61	0.00	0.00	87,372.48	21,843.12
207	07.26 08:45:00	0:15:00	3,244.94	811.23	0.00	0.00	89,953.98	22,488.50
207	07.26 09:00:00	0:15:00	1,091.45	272.86	0.00	0.00	92,107.46	23,026.87
207	07.26 09:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 09:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 09:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 10:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 10:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 10:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 10:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 11:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 11:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 11:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 11:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 12:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 12:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 12:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 12:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 13:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 13:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 13:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 13:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 14:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 14:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 14:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 14:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 15:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 15:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 15:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 15:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 16:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 16:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 16:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 16:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 17:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 17:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 17:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 17:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 18:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 18:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 18:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	07.26 18:45:00	0:15:00	2,083.92	520.98	0.00	0.00	91,114.99	22,778.75
207	07.26 19:00:00	0:15:00	5,336.89	1,334.22	0.00	0.00	87,862.02	21,965.50
207	07.26 19:15:00	0:12:36	30,536.62	6,412.69	1,784.31	374.70	60,877.97	12,784.37
207	07.26 19:25:12	0:05:24	68,568.98	6,171.21	4,360.47	392.44	20,269.48	1,824.26
214	08.02 07:12:36	0:01:12	59,556.45	1,191.13	0.00	0.00	33,642.46	672.85
214	08.02 07:15:00	0:09:00	55,661.46	8,349.22	0.00	0.00	37,537.44	5,630.62
214	08.02 07:30:00	0:15:00	36,948.92	9,237.23	0.00	0.00	56,250.00	14,062.50
214	08.02 07:45:00	0:15:00	24,605.87	6,151.46	0.00	0.00	68,593.05	17,148.26
214	08.02 08:00:00	0:15:00	15,917.03	3,979.26	0.00	0.00	77,281.88	19,320.47
214	08.02 08:15:00	0:15:00	10,087.93	2,521.98	0.00	0.00	83,110.99	20,777.75
214	08.02 08:30:00	0:15:00	6,698.53	1,674.64	0.00	0.00	86,500.39	21,625.09
214	08.02 08:45:00	0:15:00	3,953.85	988.46	0.00	0.00	89,245.07	22,311.27
214	08.02 09:00:00	0:15:00	1,650.56	412.63	0.00	0.00	91,548.36	22,887.09
214	08.02 09:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 09:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 09:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 10:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 10:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 10:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
214	08.02 10:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 11:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 11:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 11:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 11:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 12:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 12:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 12:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 12:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 13:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 13:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 13:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 13:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 14:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 14:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 14:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 14:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 15:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 15:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 15:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 15:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 16:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 16:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 16:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 16:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 17:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 17:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 17:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 17:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 18:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 18:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	08.02 18:30:00	0:15:00	706.23	176.56	0.00	0.00	92,492.69	23,123.17
214	08.02 18:45:00	0:15:00	3,247.61	811.90	0.00	0.00	89,951.31	22,487.82
214	08.02 19:00:00	0:15:00	10,877.08	2,719.27	0.00	0.00	82,321.83	20,580.46
214	08.02 19:15:00	0:09:00	54,037.66	8,105.65	2,033.10	304.96	37,128.16	5,569.22
214	08.02 19:18:36	0:01:48	69,989.47	2,099.68	2,889.14	86.67	20,320.31	609.61
221	08.09 07:19:12	0:05:24	58,673.66	5,280.63	0.00	0.00	34,525.25	3,107.27
221	08.09 07:30:00	0:12:36	42,828.86	8,994.06	0.00	0.00	50,370.06	10,577.72
221	08.09 07:45:00	0:15:00	28,377.80	7,094.45	0.00	0.00	64,821.12	16,205.28
221	08.09 08:00:00	0:15:00	18,642.99	4,660.75	0.00	0.00	74,555.93	18,638.98
221	08.09 08:15:00	0:15:00	11,414.78	2,853.69	0.00	0.00	81,784.12	20,446.03
221	08.09 08:30:00	0:15:00	7,736.48	1,934.12	0.00	0.00	85,462.44	21,365.61
221	08.09 08:45:00	0:15:00	4,665.43	1,166.35	0.00	0.00	88,533.49	22,133.37
221	08.09 09:00:00	0:15:00	2,220.36	555.09	0.00	0.00	90,978.56	22,744.64
221	08.09 09:15:00	0:15:00	184.58	46.14	0.00	0.00	93,014.34	23,253.59
221	08.09 09:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 09:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 10:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 10:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 10:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 10:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 11:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 11:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 11:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 11:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 12:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 12:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 12:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 12:45:00	0:15:00	2.68	0.67	0.00	0.00	93,196.24	23,299.06
221	08.09 13:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 13:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 13:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 13:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 14:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 14:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 14:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
221	08.09 14:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 15:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 15:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 15:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 15:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 16:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 16:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 16:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 16:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 17:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 17:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 17:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 17:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 18:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 18:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	08.09 18:30:00	0:15:00	1,867.25	466.81	0.00	0.00	91,331.67	22,832.92
221	08.09 18:45:00	0:20:24	4,890.14	1,662.65	0.00	0.00	88,308.78	30,024.98
221	08.09 19:10:48	0:12:36	71,102.33	14,931.49	1,029.92	216.28	21,066.66	4,424.00
228	08.16 07:25:12	0:02:24	57,119.41	2,284.78	0.00	0.00	36,079.51	1,443.18
228	08.16 07:30:00	0:10:12	50,054.40	8,509.25	0.00	0.00	43,144.52	7,334.56
228	08.16 07:45:00	0:15:00	32,925.52	8,231.38	0.00	0.00	60,273.39	15,068.35
228	08.16 08:00:00	0:15:00	21,657.87	5,414.47	0.00	0.00	71,541.05	17,885.26
228	08.16 08:15:00	0:15:00	13,688.65	3,422.17	0.00	0.00	79,510.27	19,877.56
228	08.16 08:30:00	0:15:00	8,707.55	2,176.89	0.00	0.00	84,491.36	21,122.84
228	08.16 08:45:00	0:15:00	5,438.55	1,359.63	0.00	0.00	87,760.37	21,940.09
228	08.16 09:00:00	0:15:00	2,814.24	703.56	0.00	0.00	90,384.67	22,596.17
228	08.16 09:15:00	0:15:00	706.23	176.56	0.00	0.00	92,492.69	23,123.17
228	08.16 09:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 09:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 10:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 10:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 10:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 10:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 11:00:00	0:15:00	21.40	5.35	0.00	0.00	93,177.52	23,294.38
228	08.16 11:15:00	0:15:00	61.53	15.38	0.00	0.00	93,137.39	23,284.35
228	08.16 11:30:00	0:15:00	77.58	19.40	0.00	0.00	93,121.34	23,280.34
228	08.16 11:45:00	0:15:00	141.78	35.45	0.00	0.00	93,057.13	23,264.29
228	08.16 12:00:00	0:15:00	149.81	37.45	0.00	0.00	93,049.10	23,262.27
228	08.16 12:15:00	0:15:00	214.01	53.51	0.00	0.00	92,984.91	23,246.22
228	08.16 12:30:00	0:15:00	197.96	49.49	0.00	0.00	93,000.96	23,250.24
228	08.16 12:45:00	0:15:00	238.09	59.52	0.00	0.00	92,960.83	23,240.21
228	08.16 13:00:00	0:15:00	205.99	51.49	0.00	0.00	92,992.93	23,248.24
228	08.16 13:15:00	0:15:00	230.06	57.51	0.00	0.00	92,968.86	23,242.21
228	08.16 13:30:00	0:15:00	171.21	42.80	0.00	0.00	93,027.71	23,256.92
228	08.16 13:45:00	0:15:00	179.23	44.81	0.00	0.00	93,019.69	23,254.92
228	08.16 14:00:00	0:15:00	112.35	28.09	0.00	0.00	93,086.56	23,271.64
228	08.16 14:15:00	0:15:00	104.33	26.08	0.00	0.00	93,094.58	23,273.65
228	08.16 14:30:00	0:15:00	48.16	12.03	0.00	0.00	93,150.76	23,287.69
228	08.16 14:45:00	0:15:00	21.40	5.35	0.00	0.00	93,177.52	23,294.38
228	08.16 15:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 15:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 15:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 15:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 16:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 16:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 16:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 16:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 17:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 17:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 17:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 17:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 18:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	08.16 18:15:00	0:15:00	789.17	197.29	0.00	0.00	92,409.75	23,102.44
228	08.16 18:30:00	0:15:00	3,416.14	854.04	0.00	0.00	89,782.78	22,445.69
228	08.16 18:45:00	0:16:12	11,326.51	3,058.15	0.00	0.00	81,872.41	22,105.55
228	08.16 19:02:23	0:08:24	71,985.12	10,077.92	48.16	6.74	21,165.64	2,963.19



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
235	08.23 07:31:48	0:06:36	55,816.62	6,139.83	0.00	0.00	37,382.29	4,112.06
235	08.23 07:45:00	0:13:48	38,227.64	8,792.35	0.00	0.00	54,971.28	12,643.40
235	08.23 08:00:00	0:15:00	25,218.47	6,304.62	0.00	0.00	67,980.44	16,995.11
235	08.23 08:15:00	0:15:00	15,831.43	3,957.85	0.00	0.00	77,367.49	19,341.87
235	08.23 08:30:00	0:15:00	9,686.65	2,421.66	0.00	0.00	83,512.27	20,878.07
235	08.23 08:45:00	0:15:00	6,179.55	1,544.89	0.00	0.00	87,019.36	21,754.84
235	08.23 09:00:00	0:15:00	3,421.49	855.37	0.00	0.00	89,777.42	22,444.36
235	08.23 09:15:00	0:15:00	1,198.46	299.61	0.00	0.00	92,000.45	23,000.12
235	08.23 09:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	08.23 09:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	08.23 10:00:00	0:15:00	40.13	10.03	0.00	0.00	93,158.79	23,289.70
235	08.23 10:15:00	0:15:00	125.73	31.43	0.00	0.00	93,073.18	23,268.30
235	08.23 10:30:00	0:15:00	211.34	52.83	0.00	0.00	92,987.58	23,246.89
235	08.23 10:45:00	0:15:00	312.99	78.24	0.00	0.00	92,885.92	23,221.48
235	08.23 11:00:00	0:15:00	382.55	95.64	0.00	0.00	92,816.37	23,204.09
235	08.23 11:15:00	0:15:00	500.25	125.07	0.00	0.00	92,698.66	23,174.67
235	08.23 11:30:00	0:15:00	521.65	130.42	0.00	0.00	92,677.27	23,169.32
235	08.23 11:45:00	0:15:00	601.91	150.48	0.00	0.00	92,597.01	23,149.25
235	08.23 12:00:00	0:15:00	601.91	150.48	0.00	0.00	92,597.01	23,149.25
235	08.23 12:15:00	0:15:00	687.51	171.88	0.00	0.00	92,511.40	23,127.85
235	08.23 12:30:00	0:15:00	658.08	164.52	0.00	0.00	92,540.83	23,135.21
235	08.23 12:45:00	0:15:00	722.29	180.58	0.00	0.00	92,476.63	23,119.16
235	08.23 13:00:00	0:15:00	668.78	167.20	0.00	0.00	92,530.13	23,132.54
235	08.23 13:15:00	0:15:00	706.23	176.56	0.00	0.00	92,492.69	23,123.17
235	08.23 13:30:00	0:15:00	631.34	157.83	0.00	0.00	92,567.58	23,141.90
235	08.23 13:45:00	0:15:00	647.38	161.85	0.00	0.00	92,551.53	23,137.89
235	08.23 14:00:00	0:15:00	551.08	137.77	0.00	0.00	92,647.84	23,161.96
235	08.23 14:15:00	0:15:00	545.73	136.43	0.00	0.00	92,653.19	23,163.30
235	08.23 14:30:00	0:15:00	436.05	109.02	0.00	0.00	92,762.87	23,190.71
235	08.23 14:45:00	0:15:00	393.25	98.31	0.00	0.00	92,805.67	23,201.41
235	08.23 15:00:00	0:15:00	270.18	67.54	0.00	0.00	92,928.73	23,232.18
235	08.23 15:15:00	0:15:00	195.29	48.83	0.00	0.00	93,003.63	23,250.91
235	08.23 15:30:00	0:15:00	80.26	20.06	0.00	0.00	93,118.66	23,279.67
235	08.23 15:45:00	0:15:00	10.70	2.68	0.00	0.00	93,188.22	23,297.05
235	08.23 16:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	08.23 16:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	08.23 16:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	08.23 16:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	08.23 17:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	08.23 17:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	08.23 17:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	08.23 17:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	08.23 18:00:00	0:15:00	21.40	5.35	0.00	0.00	93,177.52	23,294.38
235	08.23 18:15:00	0:15:00	2,332.72	583.18	0.00	0.00	90,866.20	22,716.55
235	08.23 18:30:00	0:15:00	5,564.27	1,391.07	0.00	0.00	87,634.64	21,908.66
235	08.23 18:45:00	0:11:24	38,792.08	7,370.49	0.00	0.00	54,406.83	10,337.29
235	08.23 18:52:48	0:03:36	71,800.54	4,308.04	0.00	0.00	21,398.37	1,283.91
242	08.30 07:37:48	0:03:36	54,476.39	3,268.59	0.00	0.00	38,722.53	2,323.36
242	08.30 07:45:00	0:11:24	44,062.10	8,371.80	0.00	0.00	49,136.82	9,335.99
242	08.30 08:00:00	0:15:00	28,549.01	7,137.25	0.00	0.00	64,649.91	16,162.48
242	08.30 08:15:00	0:15:00	18,198.92	4,549.73	0.00	0.00	74,999.99	18,750.00
242	08.30 08:30:00	0:15:00	10,735.30	2,683.83	0.00	0.00	82,463.62	20,615.90
242	08.30 08:45:00	0:15:00	6,971.39	1,742.85	0.00	0.00	86,227.53	21,556.88
242	08.30 09:00:00	0:15:00	4,036.77	1,009.19	0.00	0.00	89,162.14	22,290.54
242	08.30 09:15:00	0:15:00	1,835.14	458.79	0.00	0.00	91,363.78	22,840.94
242	08.30 09:30:00	0:15:00	275.53	68.89	0.00	0.00	92,923.38	23,230.84
242	08.30 09:45:00	0:15:00	481.52	120.38	0.00	0.00	92,717.39	23,179.35
242	08.30 10:00:00	0:15:00	580.51	145.13	0.00	0.00	92,618.41	23,154.60
242	08.30 10:15:00	0:15:00	767.77	191.94	0.00	0.00	92,431.15	23,107.79
242	08.30 10:30:00	0:15:00	842.66	210.67	0.00	0.00	92,356.25	23,089.06
242	08.30 10:45:00	0:15:00	949.67	237.42	0.00	0.00	92,249.24	23,062.31
242	08.30 11:00:00	0:15:00	992.47	248.12	0.00	0.00	92,206.44	23,051.61
242	08.30 11:15:00	0:15:00	1,118.21	279.55	0.00	0.00	92,080.71	23,020.18
242	08.30 11:30:00	0:15:00	1,134.26	283.56	0.00	0.00	92,064.66	23,016.17
242	08.30 11:45:00	0:15:00	1,211.83	302.96	0.00	0.00	91,987.08	22,996.77
242	08.30 12:00:00	0:15:00	1,201.13	300.28	0.00	0.00	91,997.78	22,999.44



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
242	08.30 12:15:00	0:15:00	1,268.01	317.01	0.00	0.00	91,930.91	22,982.72
242	08.30 12:30:00	0:15:00	1,235.91	308.98	0.00	0.00	91,963.00	22,990.75
242	08.30 12:45:00	0:15:00	1,289.42	322.36	0.00	0.00	91,909.50	22,977.37
242	08.30 13:00:00	0:15:00	1,243.94	310.98	0.00	0.00	91,954.98	22,988.74
242	08.30 13:15:00	0:15:00	1,278.71	319.68	0.00	0.00	91,920.21	22,980.05
242	08.30 13:30:00	0:15:00	1,211.83	302.96	0.00	0.00	91,987.08	22,996.77
242	08.30 13:45:00	0:15:00	1,233.23	308.31	0.00	0.00	91,965.67	22,991.42
242	08.30 14:00:00	0:15:00	1,150.31	287.58	0.00	0.00	92,048.61	23,012.15
242	08.30 14:15:00	0:15:00	1,144.96	286.24	0.00	0.00	92,053.96	23,013.49
242	08.30 14:30:00	0:15:00	1,027.25	256.82	0.00	0.00	92,171.66	23,042.92
242	08.30 14:45:00	0:15:00	992.47	248.12	0.00	0.00	92,206.44	23,051.61
242	08.30 15:00:00	0:15:00	877.44	219.36	0.00	0.00	92,321.48	23,080.36
242	08.30 15:15:00	0:15:00	810.56	202.64	0.00	0.00	92,388.35	23,097.09
242	08.30 15:30:00	0:15:00	647.38	161.85	0.00	0.00	92,551.53	23,137.89
242	08.30 15:45:00	0:15:00	532.35	133.08	0.00	0.00	92,666.57	23,166.64
242	08.30 16:00:00	0:15:00	339.74	84.94	0.00	0.00	92,859.18	23,214.79
242	08.30 16:15:00	0:15:00	181.91	45.48	0.00	0.00	93,017.01	23,254.25
242	08.30 16:30:00	0:15:00	10.70	2.68	0.00	0.00	93,188.22	23,297.05
242	08.30 16:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
242	08.30 17:00:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
242	08.30 17:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
242	08.30 17:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
242	08.30 17:45:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
242	08.30 18:00:00	0:15:00	1,474.00	368.50	0.00	0.00	91,724.92	22,931.23
242	08.30 18:15:00	0:15:00	4,384.55	1,096.13	0.00	0.00	88,814.37	22,203.59
242	08.30 18:30:00	0:13:48	21,077.36	4,847.79	0.00	0.00	72,121.55	16,587.96
242	08.30 18:42:36	0:06:36	70,751.89	7,782.71	0.00	0.00	22,447.03	2,469.17
249	09.06 07:44:24	0:07:48	51,560.49	6,702.86	0.00	0.00	41,638.42	5,412.99
249	09.06 08:00:00	0:15:00	32,374.44	8,093.61	0.00	0.00	60,824.47	15,206.12
249	09.06 08:15:00	0:15:00	20,823.23	5,205.81	0.00	0.00	72,375.69	18,093.92
249	09.06 08:30:00	0:15:00	12,800.51	3,200.13	0.00	0.00	80,398.41	20,099.60
249	09.06 08:45:00	0:15:00	8,333.03	2,083.26	0.00	0.00	84,865.88	21,216.46
249	09.06 09:00:00	0:15:00	5,508.09	1,377.03	0.00	0.00	87,690.82	21,922.71
249	09.06 09:15:00	0:15:00	3,239.59	809.90	0.00	0.00	89,959.33	22,489.83
249	09.06 09:30:00	0:15:00	1,377.69	344.42	0.00	0.00	91,821.22	22,955.31
249	09.06 09:45:00	0:15:00	1,332.22	333.06	0.00	0.00	91,866.70	22,966.68
249	09.06 10:00:00	0:15:00	1,409.79	352.45	0.00	0.00	91,789.12	22,947.28
249	09.06 10:15:00	0:15:00	1,543.55	385.89	0.00	0.00	91,655.36	22,913.85
249	09.06 10:30:00	0:15:00	1,602.40	400.60	0.00	0.00	91,596.52	22,899.13
249	09.06 10:45:00	0:15:00	1,722.78	430.70	0.00	0.00	91,476.13	22,869.04
249	09.06 11:00:00	0:15:00	1,738.83	434.71	0.00	0.00	91,460.08	22,865.02
249	09.06 11:15:00	0:15:00	1,805.71	451.43	0.00	0.00	91,393.20	22,848.30
249	09.06 11:30:00	0:15:00	1,805.71	451.43	0.00	0.00	91,393.20	22,848.30
249	09.06 11:45:00	0:15:00	1,859.22	464.81	0.00	0.00	91,339.70	22,834.92
249	09.06 12:00:00	0:15:00	1,837.82	459.46	0.00	0.00	91,361.10	22,840.27
249	09.06 12:15:00	0:15:00	1,918.07	479.52	0.00	0.00	91,280.84	22,820.21
249	09.06 12:30:00	0:15:00	1,867.25	466.81	0.00	0.00	91,331.67	22,832.92
249	09.06 12:45:00	0:15:00	1,936.79	484.20	0.00	0.00	91,262.12	22,815.53
249	09.06 13:00:00	0:15:00	1,869.92	467.48	0.00	0.00	91,329.00	22,832.24
249	09.06 13:15:00	0:15:00	1,923.42	480.86	0.00	0.00	91,275.49	22,818.88
249	09.06 13:30:00	0:15:00	1,843.17	460.79	0.00	0.00	91,355.75	22,838.94
249	09.06 13:45:00	0:15:00	1,875.27	468.82	0.00	0.00	91,323.65	22,830.91
249	09.06 14:00:00	0:15:00	1,803.04	450.76	0.00	0.00	91,395.88	22,848.97
249	09.06 14:15:00	0:15:00	1,808.39	452.09	0.00	0.00	91,390.53	22,847.63
249	09.06 14:30:00	0:15:00	1,728.13	432.03	0.00	0.00	91,470.78	22,867.69
249	09.06 14:45:00	0:15:00	1,712.08	428.02	0.00	0.00	91,486.83	22,871.71
249	09.06 15:00:00	0:15:00	1,613.10	403.28	0.00	0.00	91,585.82	22,896.45
249	09.06 15:15:00	0:15:00	1,575.65	393.92	0.00	0.00	91,623.26	22,905.82
249	09.06 15:30:00	0:15:00	1,399.09	349.77	0.00	0.00	91,799.82	22,949.96
249	09.06 15:45:00	0:15:00	1,321.52	330.38	0.00	0.00	91,877.40	22,969.36
249	09.06 16:00:00	0:15:00	1,174.38	293.60	0.00	0.00	92,024.53	23,006.14
249	09.06 16:15:00	0:15:00	1,021.90	255.47	0.00	0.00	92,177.01	23,044.25
249	09.06 16:30:00	0:15:00	789.17	197.29	0.00	0.00	92,409.75	23,102.44
249	09.06 16:45:00	0:15:00	561.78	140.45	0.00	0.00	92,637.14	23,159.28
249	09.06 17:00:00	0:15:00	235.41	58.86	0.00	0.00	92,963.50	23,240.87
249	09.06 17:15:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
249	09.06 17:30:00	0:15:00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
249	09.06 17:45:00	0:15:00	749.04	187.26	0.00	0.00	92,449.88	23,112.47
249	09.06 18:00:00	0:15:00	3,421.49	855.37	0.00	0.00	89,777.42	22,444.36
249	09.06 18:15:00	0:16:12	10,467.80	2,826.30	0.00	0.00	82,731.12	22,337.41
249	09.06 18:31:48	0:08:24	69,443.74	9,722.13	0.00	0.00	23,755.17	3,325.72
256	09.13 07:50:24	0:04:48	49,487.27	3,958.98	0.00	0.00	43,711.65	3,496.93
256	09.13 08:00:00	0:12:36	37,802.29	7,938.48	0.00	0.00	55,396.63	11,633.29
256	09.13 08:15:00	0:15:00	25,039.23	6,259.81	0.00	0.00	68,159.68	17,039.92
256	09.13 08:30:00	0:15:00	16,211.29	4,052.82	0.00	0.00	76,987.62	19,246.91
256	09.13 08:45:00	0:15:00	10,446.39	2,611.60	0.00	0.00	82,752.53	20,688.13
256	09.13 09:00:00	0:15:00	7,353.94	1,838.48	0.00	0.00	85,844.98	21,461.25
256	09.13 09:15:00	0:15:00	4,895.49	1,223.88	0.00	0.00	88,303.43	22,075.85
256	09.13 09:30:00	0:15:00	2,867.74	716.94	0.00	0.00	90,331.18	22,582.79
256	09.13 09:45:00	0:15:00	2,297.94	574.48	0.00	0.00	90,900.97	22,725.24
256	09.13 10:00:00	0:15:00	2,327.36	581.84	0.00	0.00	90,871.55	22,717.89
256	09.13 10:15:00	0:15:00	2,437.04	609.26	0.00	0.00	90,761.87	22,690.46
256	09.13 10:30:00	0:15:00	2,461.12	615.28	0.00	0.00	90,737.79	22,684.45
256	09.13 10:45:00	0:15:00	2,570.81	642.70	0.00	0.00	90,628.11	22,657.03
256	09.13 11:00:00	0:15:00	2,568.13	642.03	0.00	0.00	90,630.79	22,657.70
256	09.13 11:15:00	0:15:00	2,632.33	658.08	0.00	0.00	90,566.58	22,641.65
256	09.13 11:30:00	0:15:00	2,610.92	652.73	0.00	0.00	90,587.99	22,647.00
256	09.13 11:45:00	0:15:00	2,661.75	665.44	0.00	0.00	90,537.15	22,634.29
256	09.13 12:00:00	0:15:00	2,637.68	659.42	0.00	0.00	90,561.23	22,640.31
256	09.13 12:15:00	0:15:00	2,661.75	665.44	0.00	0.00	90,537.15	22,634.29
256	09.13 12:30:00	0:15:00	2,651.05	662.77	0.00	0.00	90,547.86	22,636.97
256	09.13 12:45:00	0:15:00	2,661.75	665.44	0.00	0.00	90,537.15	22,634.29
256	09.13 13:00:00	0:15:00	2,640.35	660.09	0.00	0.00	90,558.56	22,639.64
256	09.13 13:15:00	0:15:00	2,648.38	662.10	0.00	0.00	90,550.53	22,637.63
256	09.13 13:30:00	0:15:00	2,624.30	656.08	0.00	0.00	90,574.61	22,643.65
256	09.13 13:45:00	0:15:00	2,629.65	657.42	0.00	0.00	90,569.26	22,642.32
256	09.13 14:00:00	0:15:00	2,594.87	648.72	0.00	0.00	90,604.04	22,651.01
256	09.13 14:15:00	0:15:00	2,605.57	651.40	0.00	0.00	90,593.34	22,648.33
256	09.13 14:30:00	0:15:00	2,544.05	636.02	0.00	0.00	90,654.87	22,663.71
256	09.13 14:45:00	0:15:00	2,554.75	638.69	0.00	0.00	90,644.17	22,661.04
256	09.13 15:00:00	0:15:00	2,453.09	613.27	0.00	0.00	90,745.82	22,686.46
256	09.13 15:15:00	0:15:00	2,442.39	610.60	0.00	0.00	90,756.52	22,689.13
256	09.13 15:30:00	0:15:00	2,311.31	577.83	0.00	0.00	90,887.61	22,721.90
256	09.13 15:45:00	0:15:00	2,268.51	567.13	0.00	0.00	90,930.40	22,732.60
256	09.13 16:00:00	0:15:00	2,142.78	535.70	0.00	0.00	91,056.14	22,764.03
256	09.13 16:15:00	0:15:00	2,078.57	519.65	0.00	0.00	91,120.34	22,780.08
256	09.13 16:30:00	0:15:00	1,899.34	474.84	0.00	0.00	91,299.57	22,824.89
256	09.13 16:45:00	0:15:00	1,741.51	435.38	0.00	0.00	91,457.40	22,864.35
256	09.13 17:00:00	0:15:00	1,498.08	374.52	0.00	0.00	91,700.84	22,925.21
256	09.13 17:15:00	0:15:00	1,217.18	304.30	0.00	0.00	91,981.73	22,995.44
256	09.13 17:30:00	0:15:00	925.60	231.40	0.00	0.00	92,273.32	23,068.33
256	09.13 17:45:00	0:15:00	2,806.21	701.55	0.00	0.00	90,392.70	22,598.17
256	09.13 18:00:00	0:15:00	6,176.87	1,544.22	0.00	0.00	87,022.04	21,755.51
256	09.13 18:15:00	0:10:48	43,725.03	7,870.51	0.00	0.00	49,473.89	8,905.30
256	09.13 18:21:00	0:03:00	72,712.76	3,635.64	0.00	0.00	20,486.16	1,024.30
263	09.20 07:57:00	0:01:12	48,789.06	975.78	0.00	0.00	44,409.86	888.19
263	09.20 08:00:00	0:09:00	44,771.01	6,715.65	0.00	0.00	48,427.91	7,264.19
263	09.20 08:15:00	0:15:00	30,036.38	7,509.09	0.00	0.00	63,162.53	15,790.63
263	09.20 08:30:00	0:15:00	19,993.93	4,998.49	0.00	0.00	73,204.98	18,301.25
263	09.20 08:45:00	0:15:00	12,864.71	3,216.18	0.00	0.00	80,334.20	20,083.55
263	09.20 09:00:00	0:15:00	9,362.96	2,340.74	0.00	0.00	83,835.96	20,958.99
263	09.20 09:15:00	0:15:00	6,693.18	1,673.29	0.00	0.00	86,505.74	21,626.43
263	09.20 09:30:00	0:15:00	4,504.92	1,126.23	0.00	0.00	88,694.00	22,173.49
263	09.20 09:45:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 10:00:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 10:15:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 10:30:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 10:45:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 11:00:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 11:15:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 11:30:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 11:45:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
263	09.20 12:00:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 12:15:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 12:30:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 12:45:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 13:00:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 13:15:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 13:30:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 13:45:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 14:00:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 14:15:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 14:30:00	0:15:00	3,381.37	845.34	0.00	0.00	89,817.54	22,454.39
263	09.20 14:45:00	0:15:00	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	09.20 15:00:00	0:15:00	3,359.96	839.99	0.00	0.00	89,838.95	22,459.74
263	09.20 15:15:00	0:15:00	3,365.31	841.33	0.00	0.00	89,833.60	22,458.40
263	09.20 15:30:00	0:15:00	3,335.89	833.98	0.00	0.00	89,863.02	22,465.76
263	09.20 15:45:00	0:15:00	3,338.56	834.64	0.00	0.00	89,860.35	22,465.09
263	09.20 16:00:00	0:15:00	3,306.47	826.61	0.00	0.00	89,892.45	22,473.12
263	09.20 16:15:00	0:15:00	3,303.79	825.95	0.00	0.00	89,895.13	22,473.79
263	09.20 16:30:00	0:15:00	3,252.96	813.24	0.00	0.00	89,945.96	22,486.49
263	09.20 16:45:00	0:15:00	3,223.53	805.88	0.00	0.00	89,975.39	22,493.85
263	09.20 17:00:00	0:15:00	3,148.63	787.15	0.00	0.00	90,050.28	22,512.57
263	09.20 17:15:00	0:15:00	3,073.73	768.43	0.00	0.00	90,125.19	22,531.30
263	09.20 17:30:00	0:15:00	4,630.65	1,157.67	0.00	0.00	88,568.26	22,142.06
263	09.20 17:45:00	0:15:00	7,495.72	1,873.93	0.00	0.00	85,703.19	21,425.80
263	09.20 18:00:00	0:12:36	27,080.36	5,686.88	0.00	0.00	66,118.56	13,884.89
263	09.20 18:09:36	0:04:48	65,444.43	5,235.55	0.00	0.00	27,754.49	2,220.36
270	09.27 08:03:00	0:06:00	48,299.50	4,829.96	0.00	0.00	44,899.41	4,489.95
270	09.27 08:15:00	0:13:12	35,512.38	7,812.72	0.00	0.00	57,686.54	12,691.04
270	09.27 08:30:00	0:15:00	24,231.35	6,057.84	0.00	0.00	68,967.57	17,241.89
270	09.27 08:45:00	0:15:00	16,120.34	4,030.09	0.00	0.00	77,078.58	19,269.64
270	09.27 09:00:00	0:15:00	11,634.15	2,908.53	0.00	0.00	81,564.77	20,391.20
270	09.27 09:15:00	0:15:00	8,624.63	2,156.16	0.00	0.00	84,574.29	21,143.57
270	09.27 09:30:00	0:15:00	6,219.68	1,554.92	0.00	0.00	86,979.23	21,744.81
270	09.27 09:45:00	0:15:00	4,619.95	1,154.99	0.00	0.00	88,578.96	22,144.74
270	09.27 10:00:00	0:15:00	4,534.35	1,133.59	0.00	0.00	88,664.57	22,166.14
270	09.27 10:15:00	0:15:00	4,504.92	1,126.23	0.00	0.00	88,694.00	22,173.49
270	09.27 10:30:00	0:15:00	4,392.56	1,098.14	0.00	0.00	88,806.35	22,201.59
270	09.27 10:45:00	0:15:00	4,397.91	1,099.48	0.00	0.00	88,801.00	22,200.25
270	09.27 11:00:00	0:15:00	4,352.44	1,088.11	0.00	0.00	88,846.48	22,211.62
270	09.27 11:15:00	0:15:00	4,371.17	1,092.79	0.00	0.00	88,827.75	22,206.94
270	09.27 11:30:00	0:15:00	4,331.04	1,082.76	0.00	0.00	88,867.88	22,216.97
270	09.27 11:45:00	0:15:00	4,352.44	1,088.11	0.00	0.00	88,846.48	22,211.62
270	09.27 12:00:00	0:15:00	4,309.64	1,077.41	0.00	0.00	88,889.28	22,222.32
270	09.27 12:15:00	0:15:00	4,344.42	1,086.10	0.00	0.00	88,854.50	22,213.62
270	09.27 12:30:00	0:15:00	4,309.64	1,077.41	0.00	0.00	88,889.28	22,222.32
270	09.27 12:45:00	0:15:00	4,349.77	1,087.44	0.00	0.00	88,849.15	22,212.29
270	09.27 13:00:00	0:15:00	4,314.99	1,078.75	0.00	0.00	88,883.93	22,220.98
270	09.27 13:15:00	0:15:00	4,357.79	1,089.45	0.00	0.00	88,841.13	22,210.29
270	09.27 13:30:00	0:15:00	4,331.04	1,082.76	0.00	0.00	88,867.88	22,216.97
270	09.27 13:45:00	0:15:00	4,381.87	1,095.46	0.00	0.00	88,817.05	22,204.26
270	09.27 14:00:00	0:15:00	4,360.47	1,090.11	0.00	0.00	88,838.45	22,209.62
270	09.27 14:15:00	0:15:00	4,416.64	1,104.16	0.00	0.00	88,782.27	22,195.57
270	09.27 14:30:00	0:15:00	4,400.59	1,100.15	0.00	0.00	88,798.32	22,199.59
270	09.27 14:45:00	0:15:00	4,459.44	1,114.86	0.00	0.00	88,739.48	22,184.87
270	09.27 15:00:00	0:15:00	4,456.77	1,114.19	0.00	0.00	88,742.14	22,185.54
270	09.27 15:15:00	0:15:00	4,488.87	1,122.22	0.00	0.00	88,710.05	22,177.51
270	09.27 15:30:00	0:15:00	4,488.87	1,122.22	0.00	0.00	88,710.05	22,177.51
270	09.27 15:45:00	0:15:00	4,641.35	1,160.34	0.00	0.00	88,557.57	22,139.39
270	09.27 16:00:00	0:15:00	4,692.18	1,173.05	0.00	0.00	88,506.74	22,126.68
270	09.27 16:15:00	0:15:00	4,812.56	1,203.15	0.00	0.00	88,386.35	22,096.59
270	09.27 16:30:00	0:15:00	4,831.29	1,207.82	0.00	0.00	88,367.63	22,091.90
270	09.27 16:45:00	0:15:00	5,085.43	1,271.36	0.00	0.00	88,113.49	22,028.38
270	09.27 17:00:00	0:15:00	5,149.63	1,287.41	0.00	0.00	88,049.28	22,012.33
270	09.27 17:15:00	0:15:00	6,535.34	1,633.84	0.00	0.00	86,663.57	21,665.89
270	09.27 17:30:00	0:15:00	9,512.77	2,378.19	0.00	0.00	83,686.15	20,921.53
270	09.27 17:45:00	0:13:48	18,996.11	4,369.11	0.00	0.00	74,202.81	17,066.65



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
270	09.27 17:58:11	0:06:36	62,985.97	6,928.45	0.00	0.00	30,212.94	3,323.42
277	10.04 08:09:36	0:02:24	48,018.62	1,920.74	0.00	0.00	45,180.30	1,807.22
277	10.04 08:15:00	0:10:12	41,999.56	7,139.93	0.00	0.00	51,199.35	8,703.89
277	10.04 08:30:00	0:15:00	28,974.35	7,243.59	0.00	0.00	64,224.56	16,056.14
277	10.04 08:45:00	0:15:00	19,929.73	4,982.44	0.00	0.00	73,269.19	18,317.29
277	10.04 09:00:00	0:15:00	13,916.03	3,479.01	0.00	0.00	79,282.88	19,820.72
277	10.04 09:15:00	0:15:00	10,735.30	2,683.83	0.00	0.00	82,463.62	20,615.90
277	10.04 09:30:00	0:15:00	8,129.73	2,032.43	0.00	0.00	85,069.19	21,267.30
277	10.04 09:45:00	0:15:00	6,091.28	1,522.82	0.00	0.00	87,107.64	21,776.91
277	10.04 10:00:00	0:15:00	5,735.48	1,433.87	0.00	0.00	87,463.44	21,865.86
277	10.04 10:15:00	0:15:00	5,657.90	1,414.47	0.00	0.00	87,541.01	21,885.25
277	10.04 10:30:00	0:15:00	5,553.57	1,388.39	0.00	0.00	87,645.35	21,911.34
277	10.04 10:45:00	0:15:00	5,505.42	1,376.36	0.00	0.00	87,693.49	21,923.37
277	10.04 11:00:00	0:15:00	5,371.66	1,342.91	0.00	0.00	87,827.26	21,956.82
277	10.04 11:15:00	0:15:00	5,366.31	1,341.58	0.00	0.00	87,832.61	21,958.15
277	10.04 11:30:00	0:15:00	5,296.76	1,324.19	0.00	0.00	87,902.15	21,975.54
277	10.04 11:45:00	0:15:00	5,315.48	1,328.87	0.00	0.00	87,883.43	21,970.85
277	10.04 12:00:00	0:15:00	5,243.26	1,310.82	0.00	0.00	87,955.66	21,988.91
277	10.04 12:15:00	0:15:00	5,275.36	1,318.84	0.00	0.00	87,923.56	21,980.88
277	10.04 12:30:00	0:15:00	5,208.48	1,302.12	0.00	0.00	87,990.44	21,997.61
277	10.04 12:45:00	0:15:00	5,264.66	1,316.17	0.00	0.00	87,934.26	21,983.57
277	10.04 13:00:00	0:15:00	5,227.21	1,306.80	0.00	0.00	87,971.71	21,992.93
277	10.04 13:15:00	0:15:00	5,302.11	1,325.53	0.00	0.00	87,896.80	21,974.20
277	10.04 13:30:00	0:15:00	5,267.34	1,316.83	0.00	0.00	87,931.58	21,982.90
277	10.04 13:45:00	0:15:00	5,360.96	1,340.25	0.00	0.00	87,837.96	21,959.49
277	10.04 14:00:00	0:15:00	5,355.61	1,338.90	0.00	0.00	87,843.31	21,960.82
277	10.04 14:15:00	0:15:00	5,454.60	1,363.65	0.00	0.00	87,744.32	21,936.09
277	10.04 14:30:00	0:15:00	5,465.29	1,366.33	0.00	0.00	87,733.62	21,933.41
277	10.04 14:45:00	0:15:00	5,532.17	1,383.04	0.00	0.00	87,666.75	21,916.69
277	10.04 15:00:00	0:15:00	5,585.68	1,396.42	0.00	0.00	87,613.24	21,903.31
277	10.04 15:15:00	0:15:00	5,813.07	1,453.27	0.00	0.00	87,385.85	21,846.47
277	10.04 15:30:00	0:15:00	5,871.91	1,467.98	0.00	0.00	87,327.00	21,831.75
277	10.04 15:45:00	0:15:00	6,101.98	1,525.49	0.00	0.00	87,096.94	21,774.24
277	10.04 16:00:00	0:15:00	6,249.11	1,562.27	0.00	0.00	86,949.80	21,737.45
277	10.04 16:15:00	0:15:00	6,575.47	1,643.87	0.00	0.00	86,623.44	21,655.86
277	10.04 16:30:00	0:15:00	6,832.29	1,708.07	0.00	0.00	86,366.63	21,591.66
277	10.04 16:45:00	0:15:00	7,311.13	1,827.79	0.00	0.00	85,887.78	21,471.95
277	10.04 17:00:00	0:15:00	8,177.87	2,044.47	0.00	0.00	85,021.04	21,255.26
277	10.04 17:15:00	0:15:00	11,430.84	2,857.71	0.00	0.00	81,768.07	20,442.02
277	10.04 17:30:00	0:16:12	16,331.68	4,409.55	0.00	0.00	76,867.24	20,754.16
277	10.04 17:47:23	0:08:24	64,299.47	9,001.92	0.00	0.00	28,899.45	4,045.92
284	10.11 08:16:11	0:07:12	47,702.95	5,724.35	0.00	0.00	45,495.97	5,459.51
284	10.11 08:30:00	0:14:24	34,300.53	8,232.13	0.00	0.00	58,898.37	14,135.61
284	10.11 08:45:00	0:15:00	24,167.14	6,041.79	0.00	0.00	69,031.78	17,257.94
284	10.11 09:00:00	0:15:00	16,599.19	4,149.80	0.00	0.00	76,599.72	19,149.94
284	10.11 09:15:00	0:15:00	13,062.67	3,265.67	0.00	0.00	80,136.25	20,034.06
284	10.11 09:30:00	0:15:00	10,216.33	2,554.08	0.00	0.00	82,982.59	20,745.65
284	10.11 09:45:00	0:15:00	7,982.59	1,995.65	0.00	0.00	85,216.32	21,304.08
284	10.11 10:00:00	0:15:00	7,070.38	1,767.59	0.00	0.00	86,128.54	21,532.14
284	10.11 10:15:00	0:15:00	6,915.21	1,728.80	0.00	0.00	86,283.70	21,570.92
284	10.11 10:30:00	0:15:00	6,711.91	1,677.97	0.00	0.00	86,487.01	21,621.75
284	10.11 10:45:00	0:15:00	6,626.30	1,656.57	0.00	0.00	86,572.62	21,643.16
284	10.11 11:00:00	0:15:00	6,495.22	1,623.81	0.00	0.00	86,703.70	21,675.92
284	10.11 11:15:00	0:15:00	6,452.42	1,613.10	0.00	0.00	86,746.50	21,686.62
284	10.11 11:30:00	0:15:00	6,326.69	1,581.67	0.00	0.00	86,872.23	21,718.05
284	10.11 11:45:00	0:15:00	6,324.01	1,581.00	0.00	0.00	86,874.90	21,718.73
284	10.11 12:00:00	0:15:00	6,243.76	1,560.94	0.00	0.00	86,955.15	21,738.79
284	10.11 12:15:00	0:15:00	6,267.83	1,566.95	0.00	0.00	86,931.09	21,732.77
284	10.11 12:30:00	0:15:00	6,214.33	1,553.59	0.00	0.00	86,984.58	21,746.15
284	10.11 12:45:00	0:15:00	6,262.48	1,565.62	0.00	0.00	86,936.44	21,734.11
284	10.11 13:00:00	0:15:00	6,230.38	1,557.59	0.00	0.00	86,968.53	21,742.13
284	10.11 13:15:00	0:15:00	6,310.64	1,577.65	0.00	0.00	86,888.28	21,722.07
284	10.11 13:30:00	0:15:00	6,307.96	1,576.99	0.00	0.00	86,890.96	21,722.73
284	10.11 13:45:00	0:15:00	6,406.94	1,601.73	0.00	0.00	86,791.97	21,698.00
284	10.11 14:00:00	0:15:00	6,417.64	1,604.41	0.00	0.00	86,781.27	21,695.32
284	10.11 14:15:00	0:15:00	6,535.34	1,633.84	0.00	0.00	86,663.57	21,665.89



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
284	10.11 14:30:00	0:15:00	6,645.03	1,661.26	0.00	0.00	86,553.89	21,638.47
284	10.11 14:45:00	0:15:00	6,813.56	1,703.39	0.00	0.00	86,385.36	21,596.33
284	10.11 15:00:00	0:15:00	6,880.44	1,720.11	0.00	0.00	86,318.48	21,579.62
284	10.11 15:15:00	0:15:00	7,188.08	1,797.02	0.00	0.00	86,010.84	21,502.71
284	10.11 15:30:00	0:15:00	7,335.21	1,833.80	0.00	0.00	85,863.71	21,465.93
284	10.11 15:45:00	0:15:00	7,656.22	1,914.06	0.00	0.00	85,542.68	21,385.67
284	10.11 16:00:00	0:15:00	8,012.02	2,003.00	0.00	0.00	85,186.89	21,296.72
284	10.11 16:15:00	0:15:00	8,624.63	2,156.16	0.00	0.00	84,574.29	21,143.57
284	10.11 16:30:00	0:15:00	9,127.55	2,281.88	0.00	0.00	84,071.37	21,017.84
284	10.11 16:45:00	0:15:00	9,938.12	2,484.52	0.00	0.00	83,260.80	20,815.20
284	10.11 17:00:00	0:15:00	12,789.81	3,197.45	0.00	0.00	80,409.11	20,102.28
284	10.11 17:15:00	0:15:00	16,671.42	4,167.86	0.00	0.00	76,527.50	19,131.87
284	10.11 17:30:00	0:11:24	38,302.54	7,277.48	0.00	0.00	54,896.37	10,430.32
284	10.11 17:37:12	0:03:36	65,104.68	3,906.28	0.00	0.00	28,094.23	1,685.66
291	10.18 08:22:48	0:03:36	46,999.39	2,819.96	0.00	0.00	46,199.53	2,771.97
291	10.18 08:30:00	0:10:48	40,169.78	7,230.56	0.00	0.00	53,029.14	9,545.24
291	10.18 08:45:00	0:15:00	28,848.62	7,212.16	0.00	0.00	64,350.30	16,087.57
291	10.18 09:00:00	0:15:00	20,419.28	5,104.82	0.00	0.00	72,779.64	18,194.91
291	10.18 09:15:00	0:15:00	15,550.54	3,887.63	0.00	0.00	77,648.37	19,412.09
291	10.18 09:30:00	0:15:00	12,417.97	3,104.49	0.00	0.00	80,780.95	20,195.24
291	10.18 09:45:00	0:15:00	9,994.29	2,498.57	0.00	0.00	83,204.62	20,801.15
291	10.18 10:00:00	0:15:00	8,490.87	2,122.72	0.00	0.00	84,708.05	21,177.02
291	10.18 10:15:00	0:15:00	8,258.13	2,064.54	0.00	0.00	84,940.79	21,235.19
291	10.18 10:30:00	0:15:00	7,985.26	1,996.32	0.00	0.00	85,213.65	21,303.42
291	10.18 10:45:00	0:15:00	7,846.16	1,961.54	0.00	0.00	85,352.75	21,338.18
291	10.18 11:00:00	0:15:00	7,632.15	1,908.04	0.00	0.00	85,566.76	21,391.69
291	10.18 11:15:00	0:15:00	7,562.60	1,890.65	0.00	0.00	85,636.32	21,409.07
291	10.18 11:30:00	0:15:00	7,431.51	1,857.88	0.00	0.00	85,767.40	21,441.85
291	10.18 11:45:00	0:15:00	7,407.44	1,851.86	0.00	0.00	85,791.48	21,447.87
291	10.18 12:00:00	0:15:00	7,287.06	1,821.77	0.00	0.00	85,911.85	21,477.96
291	10.18 12:15:00	0:15:00	7,313.81	1,828.45	0.00	0.00	85,885.10	21,471.28
291	10.18 12:30:00	0:15:00	7,246.94	1,811.74	0.00	0.00	85,951.98	21,488.00
291	10.18 12:45:00	0:15:00	7,313.81	1,828.45	0.00	0.00	85,885.10	21,471.28
291	10.18 13:00:00	0:15:00	7,289.73	1,822.44	0.00	0.00	85,909.18	21,477.30
291	10.18 13:15:00	0:15:00	7,372.66	1,843.17	0.00	0.00	85,826.25	21,456.56
291	10.18 13:30:00	0:15:00	7,383.37	1,845.84	0.00	0.00	85,815.55	21,453.88
291	10.18 13:45:00	0:15:00	7,546.55	1,886.63	0.00	0.00	85,652.37	21,413.09
291	10.18 14:00:00	0:15:00	7,608.08	1,902.01	0.00	0.00	85,590.84	21,397.71
291	10.18 14:15:00	0:15:00	7,773.94	1,943.49	0.00	0.00	85,424.98	21,356.24
291	10.18 14:30:00	0:15:00	7,851.51	1,962.88	0.00	0.00	85,347.40	21,336.85
291	10.18 14:45:00	0:15:00	8,153.80	2,038.45	0.00	0.00	85,045.11	21,261.28
291	10.18 15:00:00	0:15:00	8,322.34	2,080.59	0.00	0.00	84,876.58	21,219.15
291	10.18 15:15:00	0:15:00	8,680.81	2,170.20	0.00	0.00	84,518.11	21,129.52
291	10.18 15:30:00	0:15:00	8,988.44	2,247.11	0.00	0.00	84,210.47	21,052.62
291	10.18 15:45:00	0:15:00	9,590.34	2,397.58	0.00	0.00	83,608.57	20,902.14
291	10.18 16:00:00	0:15:00	10,053.15	2,513.28	0.00	0.00	83,145.77	20,786.45
291	10.18 16:15:00	0:15:00	10,639.00	2,659.75	0.00	0.00	82,559.92	20,639.98
291	10.18 16:30:00	0:15:00	11,302.43	2,825.61	0.00	0.00	81,896.49	20,474.12
291	10.18 16:45:00	0:15:00	13,059.99	3,265.00	0.00	0.00	80,138.93	20,034.73
291	10.18 17:00:00	0:15:00	16,320.98	4,080.25	0.00	0.00	76,877.94	19,219.48
291	10.18 17:15:00	0:13:12	24,635.28	5,419.76	0.00	0.00	68,563.63	15,084.00
291	10.18 17:27:00	0:06:00	64,425.20	6,442.52	0.00	0.00	28,773.71	2,877.37
298	10.25 07:30:00	0:07:48	46,191.50	6,004.90	0.00	0.00	47,007.42	6,110.97
298	10.25 07:45:00	0:15:00	33,810.99	8,452.75	0.00	0.00	59,387.92	14,846.98
298	10.25 08:00:00	0:15:00	24,493.50	6,123.38	0.00	0.00	68,705.41	17,176.35
298	10.25 08:15:00	0:15:00	18,239.05	4,559.76	0.00	0.00	74,959.86	18,739.97
298	10.25 08:30:00	0:15:00	14,793.47	3,698.37	0.00	0.00	78,405.43	19,601.36
298	10.25 08:45:00	0:15:00	12,137.07	3,034.27	0.00	0.00	81,061.84	20,265.46
298	10.25 09:00:00	0:15:00	9,991.62	2,497.90	0.00	0.00	83,207.29	20,801.83
298	10.25 09:15:00	0:15:00	9,670.60	2,417.65	0.00	0.00	83,528.32	20,882.07
298	10.25 09:30:00	0:15:00	9,306.78	2,326.69	0.00	0.00	83,892.14	20,973.03
298	10.25 09:45:00	0:15:00	9,106.15	2,276.53	0.00	0.00	84,092.76	21,023.19
298	10.25 10:00:00	0:15:00	8,857.37	2,214.34	0.00	0.00	84,341.55	21,085.39
298	10.25 10:15:00	0:15:00	8,753.03	2,188.26	0.00	0.00	84,445.88	21,111.47
298	10.25 10:30:00	0:15:00	8,555.07	2,138.77	0.00	0.00	84,643.84	21,160.97
298	10.25 10:45:00	0:15:00	8,520.29	2,130.08	0.00	0.00	84,678.62	21,169.65



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
298	10.25 11:00:00	0:15:00	8,394.56	2,098.64	0.00	0.00	84,804.35	21,201.08
298	10.25 11:15:00	0:15:00	8,418.64	2,104.65	0.00	0.00	84,780.28	21,195.07
298	10.25 11:30:00	0:15:00	8,341.06	2,085.27	0.00	0.00	84,857.85	21,214.46
298	10.25 11:45:00	0:15:00	8,418.64	2,104.65	0.00	0.00	84,780.28	21,195.07
298	10.25 12:00:00	0:15:00	8,365.13	2,091.29	0.00	0.00	84,833.78	21,208.45
298	10.25 12:15:00	0:15:00	8,514.94	2,128.73	0.00	0.00	84,683.97	21,170.99
298	10.25 12:30:00	0:15:00	8,552.39	2,138.10	0.00	0.00	84,646.52	21,161.63
298	10.25 12:45:00	0:15:00	8,704.87	2,176.22	0.00	0.00	84,494.03	21,123.51
298	10.25 13:00:00	0:15:00	8,771.76	2,192.94	0.00	0.00	84,427.16	21,106.79
298	10.25 13:15:00	0:15:00	9,052.64	2,263.16	0.00	0.00	84,146.27	21,036.57
298	10.25 13:30:00	0:15:00	9,186.41	2,296.60	0.00	0.00	84,012.51	21,003.12
298	10.25 13:45:00	0:15:00	9,542.20	2,385.55	0.00	0.00	83,656.72	20,914.18
298	10.25 14:00:00	0:15:00	9,823.08	2,455.77	0.00	0.00	83,375.83	20,843.96
298	10.25 14:15:00	0:15:00	10,192.25	2,548.06	0.00	0.00	83,006.67	20,751.67
298	10.25 14:30:00	0:15:00	10,572.12	2,643.03	0.00	0.00	82,626.80	20,656.70
298	10.25 14:45:00	0:15:00	11,080.39	2,770.10	0.00	0.00	82,118.53	20,529.63
298	10.25 15:00:00	0:15:00	11,583.32	2,895.83	0.00	0.00	81,615.59	20,403.90
298	10.25 15:15:00	0:15:00	12,244.08	3,061.02	0.00	0.00	80,954.84	20,238.70
298	10.25 15:30:00	0:15:00	13,027.89	3,256.97	0.00	0.00	80,171.02	20,042.76
298	10.25 15:45:00	0:15:00	16,205.94	4,051.49	0.00	0.00	76,992.97	19,248.24
298	10.25 16:00:00	0:15:00	21,066.66	5,266.67	0.00	0.00	72,132.25	18,033.06
298	10.25 16:15:00	0:09:00	52,143.67	7,821.54	0.00	0.00	41,055.25	6,158.29
298	10.25 16:18:00	0:01:48	63,678.83	1,910.37	0.00	0.00	29,520.08	885.60
305	11.01 07:36:35	0:04:12	46,590.10	3,261.31	0.00	0.00	46,608.82	3,262.61
305	11.01 07:45:00	0:11:24	38,535.27	7,321.70	0.00	0.00	54,663.64	10,386.09
305	11.01 08:00:00	0:15:00	28,631.93	7,157.98	0.00	0.00	64,566.99	16,141.75
305	11.01 08:15:00	0:15:00	21,227.18	5,306.80	0.00	0.00	71,971.74	17,992.94
305	11.01 08:30:00	0:15:00	17,281.36	4,320.34	0.00	0.00	75,917.56	18,979.39
305	11.01 08:45:00	0:15:00	14,400.24	3,600.06	0.00	0.00	78,798.68	19,699.67
305	11.01 09:00:00	0:15:00	11,955.16	2,988.79	0.00	0.00	81,243.75	20,310.94
305	11.01 09:15:00	0:15:00	11,147.28	2,786.82	0.00	0.00	82,051.64	20,512.91
305	11.01 09:30:00	0:15:00	10,668.42	2,667.11	0.00	0.00	82,530.49	20,632.62
305	11.01 09:45:00	0:15:00	10,411.61	2,602.90	0.00	0.00	82,787.31	20,696.83
305	11.01 10:00:00	0:15:00	10,103.98	2,526.00	0.00	0.00	83,094.94	20,773.73
305	11.01 10:15:00	0:15:00	9,948.81	2,487.20	0.00	0.00	83,250.10	20,812.53
305	11.01 10:30:00	0:15:00	9,734.81	2,433.70	0.00	0.00	83,464.11	20,866.02
305	11.01 10:45:00	0:15:00	9,670.60	2,417.65	0.00	0.00	83,528.32	20,882.07
305	11.01 11:00:00	0:15:00	9,507.42	2,376.85	0.00	0.00	83,691.50	20,922.88
305	11.01 11:15:00	0:15:00	9,523.47	2,380.87	0.00	0.00	83,675.45	20,918.86
305	11.01 11:30:00	0:15:00	9,448.56	2,362.14	0.00	0.00	83,750.35	20,937.58
305	11.01 11:45:00	0:15:00	9,523.47	2,380.87	0.00	0.00	83,675.45	20,918.86
305	11.01 12:00:00	0:15:00	9,504.74	2,376.18	0.00	0.00	83,694.18	20,923.55
305	11.01 12:15:00	0:15:00	9,627.80	2,406.95	0.00	0.00	83,571.11	20,892.78
305	11.01 12:30:00	0:15:00	9,657.22	2,414.31	0.00	0.00	83,541.68	20,885.42
305	11.01 12:45:00	0:15:00	9,871.24	2,467.81	0.00	0.00	83,327.68	20,831.92
305	11.01 13:00:00	0:15:00	9,956.84	2,489.21	0.00	0.00	83,242.07	20,810.52
305	11.01 13:15:00	0:15:00	10,267.16	2,566.79	0.00	0.00	82,931.76	20,732.94
305	11.01 13:30:00	0:15:00	10,408.94	2,602.24	0.00	0.00	82,789.98	20,697.49
305	11.01 13:45:00	0:15:00	10,756.71	2,689.18	0.00	0.00	82,442.21	20,610.55
305	11.01 14:00:00	0:15:00	11,021.54	2,755.39	0.00	0.00	82,177.37	20,544.35
305	11.01 14:15:00	0:15:00	11,487.02	2,871.75	0.00	0.00	81,711.90	20,427.98
305	11.01 14:30:00	0:15:00	11,850.84	2,962.71	0.00	0.00	81,348.08	20,337.02
305	11.01 14:45:00	0:15:00	12,476.81	3,119.21	0.00	0.00	80,722.10	20,180.53
305	11.01 15:00:00	0:15:00	13,068.02	3,267.01	0.00	0.00	80,130.90	20,032.73
305	11.01 15:15:00	0:15:00	13,889.28	3,472.32	0.00	0.00	79,309.63	19,827.41
305	11.01 15:30:00	0:15:00	15,927.73	3,981.93	0.00	0.00	77,271.19	19,317.80
305	11.01 15:45:00	0:15:00	19,793.31	4,948.33	0.00	0.00	73,405.61	18,351.41
305	11.01 16:00:00	0:12:36	32,706.16	6,868.29	0.00	0.00	60,492.75	12,703.48
305	11.01 16:10:12	0:05:24	64,278.07	5,785.03	0.00	0.00	28,920.84	2,602.87
312	11.08 07:43:48	0:00:36	46,643.60	466.43	0.00	0.00	46,555.32	465.55
312	11.08 07:45:00	0:07:48	45,605.64	5,928.73	0.00	0.00	47,593.27	6,187.12
312	11.08 08:00:00	0:15:00	33,134.18	8,283.54	0.00	0.00	60,064.74	15,016.18
312	11.08 08:15:00	0:15:00	24,948.28	6,237.07	0.00	0.00	68,250.64	17,062.65
312	11.08 08:30:00	0:15:00	19,659.54	4,914.88	0.00	0.00	73,539.37	18,384.84
312	11.08 08:45:00	0:15:00	16,674.10	4,168.52	0.00	0.00	76,524.82	19,131.21
312	11.08 09:00:00	0:15:00	14,100.62	3,525.16	0.00	0.00	79,098.29	19,774.58



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
312	11.08 09:15:00	0:15:00	12,664.07	3,166.02	0.00	0.00	80,534.84	20,133.71
312	11.08 09:30:00	0:15:00	12,086.25	3,021.57	0.00	0.00	81,112.67	20,278.17
312	11.08 09:45:00	0:15:00	11,751.85	2,937.96	0.00	0.00	81,447.06	20,361.77
312	11.08 10:00:00	0:15:00	11,355.94	2,838.98	0.00	0.00	81,842.98	20,460.74
312	11.08 10:15:00	0:15:00	11,168.68	2,792.17	0.00	0.00	82,030.24	20,507.57
312	11.08 10:30:00	0:15:00	10,911.86	2,727.97	0.00	0.00	82,287.06	20,571.76
312	11.08 10:45:00	0:15:00	10,810.21	2,702.56	0.00	0.00	82,388.71	20,597.17
312	11.08 11:00:00	0:15:00	10,641.68	2,660.42	0.00	0.00	82,557.24	20,639.32
312	11.08 11:15:00	0:15:00	10,647.03	2,661.75	0.00	0.00	82,551.89	20,637.97
312	11.08 11:30:00	0:15:00	10,548.04	2,637.02	0.00	0.00	82,650.88	20,662.72
312	11.08 11:45:00	0:15:00	10,617.60	2,654.40	0.00	0.00	82,581.32	20,645.33
312	11.08 12:00:00	0:15:00	10,569.45	2,642.37	0.00	0.00	82,629.47	20,657.37
312	11.08 12:15:00	0:15:00	10,708.55	2,677.14	0.00	0.00	82,490.36	20,622.59
312	11.08 12:30:00	0:15:00	10,740.65	2,685.16	0.00	0.00	82,458.27	20,614.57
312	11.08 12:45:00	0:15:00	10,909.19	2,727.29	0.00	0.00	82,289.72	20,572.43
312	11.08 13:00:00	0:15:00	11,050.97	2,762.74	0.00	0.00	82,147.94	20,536.98
312	11.08 13:15:00	0:15:00	11,315.81	2,828.95	0.00	0.00	81,883.11	20,470.77
312	11.08 13:30:00	0:15:00	11,529.82	2,882.45	0.00	0.00	81,669.10	20,417.28
312	11.08 13:45:00	0:15:00	11,880.26	2,970.06	0.00	0.00	81,318.66	20,329.66
312	11.08 14:00:00	0:15:00	12,195.93	3,048.98	0.00	0.00	81,002.99	20,250.75
312	11.08 14:15:00	0:15:00	12,680.12	3,170.03	0.00	0.00	80,518.79	20,129.70
312	11.08 14:30:00	0:15:00	13,140.25	3,285.07	0.00	0.00	80,058.67	20,014.66
312	11.08 14:45:00	0:15:00	13,910.68	3,477.68	0.00	0.00	79,288.23	19,822.06
312	11.08 15:00:00	0:15:00	14,627.62	3,656.91	0.00	0.00	78,571.29	19,642.83
312	11.08 15:15:00	0:15:00	15,654.88	3,913.72	0.00	0.00	77,544.04	19,386.01
312	11.08 15:30:00	0:15:00	18,779.42	4,694.86	0.00	0.00	74,419.49	18,604.87
312	11.08 15:45:00	0:15:00	24,533.63	6,133.41	0.00	0.00	68,665.29	17,166.32
312	11.08 16:00:00	0:09:00	53,756.77	8,063.52	0.00	0.00	39,442.15	5,916.32
312	11.08 16:03:00	0:01:48	63,392.60	1,901.78	0.00	0.00	29,806.32	894.19
319	11.15 07:51:00	0:04:48	46,988.69	3,759.10	0.00	0.00	46,210.23	3,696.82
319	11.15 08:00:00	0:12:00	38,928.52	7,785.70	0.00	0.00	54,270.40	10,854.08
319	11.15 08:15:00	0:15:00	28,870.02	7,217.51	0.00	0.00	64,328.90	16,082.22
319	11.15 08:30:00	0:15:00	21,957.48	5,489.37	0.00	0.00	71,241.43	17,810.36
319	11.15 08:45:00	0:15:00	18,806.18	4,701.54	0.00	0.00	74,392.74	18,598.19
319	11.15 09:00:00	0:15:00	16,123.02	4,030.76	0.00	0.00	77,075.90	19,268.97
319	11.15 09:15:00	0:15:00	14,122.02	3,530.51	0.00	0.00	79,076.89	19,769.23
319	11.15 09:30:00	0:15:00	13,477.32	3,369.33	0.00	0.00	79,721.60	19,930.40
319	11.15 09:45:00	0:15:00	13,076.04	3,269.01	0.00	0.00	80,122.88	20,030.71
319	11.15 10:00:00	0:15:00	12,618.60	3,154.65	0.00	0.00	80,580.32	20,145.08
319	11.15 10:15:00	0:15:00	12,353.76	3,088.44	0.00	0.00	80,845.16	20,211.29
319	11.15 10:30:00	0:15:00	12,032.74	3,008.19	0.00	0.00	81,166.17	20,291.54
319	11.15 10:45:00	0:15:00	11,931.08	2,982.77	0.00	0.00	81,267.83	20,316.96
319	11.15 11:00:00	0:15:00	11,741.15	2,935.28	0.00	0.00	81,457.76	20,364.44
319	11.15 11:15:00	0:15:00	11,714.41	2,928.60	0.00	0.00	81,484.51	20,371.13
319	11.15 11:30:00	0:15:00	11,591.34	2,897.84	0.00	0.00	81,607.57	20,401.90
319	11.15 11:45:00	0:15:00	11,631.47	2,907.87	0.00	0.00	81,567.45	20,391.86
319	11.15 12:00:00	0:15:00	11,575.29	2,893.82	0.00	0.00	81,623.62	20,405.90
319	11.15 12:15:00	0:15:00	11,684.98	2,921.25	0.00	0.00	81,513.94	20,378.48
319	11.15 12:30:00	0:15:00	11,701.03	2,925.25	0.00	0.00	81,497.89	20,374.47
319	11.15 12:45:00	0:15:00	11,901.67	2,975.41	0.00	0.00	81,297.25	20,324.31
319	11.15 13:00:00	0:15:00	12,024.72	3,006.17	0.00	0.00	81,174.20	20,293.55
319	11.15 13:15:00	0:15:00	12,318.98	3,079.75	0.00	0.00	80,879.93	20,219.99
319	11.15 13:30:00	0:15:00	12,551.72	3,137.92	0.00	0.00	80,647.20	20,161.80
319	11.15 13:45:00	0:15:00	12,958.34	3,239.59	0.00	0.00	80,240.58	20,060.14
319	11.15 14:00:00	0:15:00	13,274.01	3,318.50	0.00	0.00	79,924.91	19,981.23
319	11.15 14:15:00	0:15:00	13,846.49	3,461.62	0.00	0.00	79,352.43	19,838.10
319	11.15 14:30:00	0:15:00	14,416.29	3,604.08	0.00	0.00	78,782.63	19,695.66
319	11.15 14:45:00	0:15:00	15,293.73	3,823.43	0.00	0.00	77,905.19	19,476.30
319	11.15 15:00:00	0:15:00	16,160.47	4,040.12	0.00	0.00	77,038.45	19,259.61
319	11.15 15:15:00	0:15:00	18,008.98	4,502.25	0.00	0.00	75,189.93	18,797.48
319	11.15 15:30:00	0:15:00	21,644.49	5,411.12	0.00	0.00	71,554.42	17,888.60
319	11.15 15:45:00	0:13:48	32,682.09	7,516.88	0.00	0.00	60,516.83	13,918.87
319	11.15 15:57:36	0:06:36	65,530.03	7,208.30	0.00	0.00	27,668.88	3,043.58
326	11.22 07:57:36	0:01:12	47,154.55	943.09	0.00	0.00	46,044.37	920.88
326	11.22 08:00:00	0:09:00	45,244.50	6,786.67	0.00	0.00	47,954.41	7,193.16
326	11.22 08:15:00	0:15:00	33,899.27	8,474.82	0.00	0.00	59,299.65	14,824.91



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
326	11.22 08:30:00	0:15:00	25,106.11	6,276.53	0.00	0.00	68,092.81	17,023.20
326	11.22 08:45:00	0:15:00	20,924.88	5,231.22	0.00	0.00	72,274.03	18,068.51
326	11.22 09:00:00	0:15:00	17,987.59	4,496.90	0.00	0.00	75,211.33	18,802.83
326	11.22 09:15:00	0:15:00	15,796.66	3,949.17	0.00	0.00	77,402.26	19,350.56
326	11.22 09:30:00	0:15:00	14,780.10	3,695.02	0.00	0.00	78,418.81	19,604.70
326	11.22 09:45:00	0:15:00	14,309.28	3,577.32	0.00	0.00	78,889.63	19,722.41
326	11.22 10:00:00	0:15:00	13,774.25	3,443.57	0.00	0.00	79,424.67	19,856.17
326	11.22 10:15:00	0:15:00	13,488.02	3,372.01	0.00	0.00	79,710.90	19,927.72
326	11.22 10:30:00	0:15:00	13,118.85	3,279.71	0.00	0.00	80,080.07	20,020.01
326	11.22 10:45:00	0:15:00	12,963.69	3,240.92	0.00	0.00	80,235.23	20,058.81
326	11.22 11:00:00	0:15:00	12,749.68	3,187.42	0.00	0.00	80,449.24	20,112.30
326	11.22 11:15:00	0:15:00	12,704.20	3,176.05	0.00	0.00	80,494.72	20,123.68
326	11.22 11:30:00	0:15:00	12,559.74	3,139.94	0.00	0.00	80,639.17	20,159.79
326	11.22 11:45:00	0:15:00	12,573.12	3,143.28	0.00	0.00	80,625.80	20,156.45
326	11.22 12:00:00	0:15:00	12,468.79	3,117.19	0.00	0.00	80,730.12	20,182.53
326	11.22 12:15:00	0:15:00	12,573.12	3,143.28	0.00	0.00	80,625.80	20,156.45
326	11.22 12:30:00	0:15:00	12,575.80	3,143.95	0.00	0.00	80,623.12	20,155.78
326	11.22 12:45:00	0:15:00	12,805.85	3,201.46	0.00	0.00	80,393.06	20,098.27
326	11.22 13:00:00	0:15:00	12,904.84	3,226.21	0.00	0.00	80,294.08	20,073.52
326	11.22 13:15:00	0:15:00	13,223.17	3,305.80	0.00	0.00	79,975.73	19,993.93
326	11.22 13:30:00	0:15:00	13,485.34	3,371.34	0.00	0.00	79,713.58	19,928.39
326	11.22 13:45:00	0:15:00	13,913.36	3,478.34	0.00	0.00	79,285.55	19,821.39
326	11.22 14:00:00	0:15:00	14,298.58	3,574.65	0.00	0.00	78,900.33	19,725.08
326	11.22 14:15:00	0:15:00	14,919.21	3,729.80	0.00	0.00	78,279.71	19,569.92
326	11.22 14:30:00	0:15:00	15,590.67	3,897.66	0.00	0.00	77,608.25	19,402.06
326	11.22 14:45:00	0:15:00	16,548.37	4,137.09	0.00	0.00	76,650.55	19,162.64
326	11.22 15:00:00	0:15:00	17,503.38	4,375.85	0.00	0.00	75,695.53	18,923.88
326	11.22 15:15:00	0:15:00	20,034.06	5,008.52	0.00	0.00	73,164.85	18,291.21
326	11.22 15:30:00	0:15:00	24,699.49	6,174.87	0.00	0.00	68,499.43	17,124.86
326	11.22 15:45:00	0:12:00	40,568.37	8,113.68	0.00	0.00	52,630.54	10,526.10
326	11.22 15:54:00	0:04:48	66,024.92	5,282.00	0.00	0.00	27,173.99	2,173.92
333	11.29 08:04:12	0:05:24	47,534.42	4,278.10	0.00	0.00	45,664.50	4,109.81
333	11.29 08:15:00	0:12:36	39,024.82	8,195.21	0.00	0.00	54,174.10	11,376.56
333	11.29 08:30:00	0:15:00	29,102.75	7,275.69	0.00	0.00	64,096.16	16,024.03
333	11.29 08:45:00	0:15:00	22,933.91	5,733.48	0.00	0.00	70,265.01	17,566.25
333	11.29 09:00:00	0:15:00	19,870.88	4,967.72	0.00	0.00	73,328.04	18,332.01
333	11.29 09:15:00	0:15:00	17,457.90	4,364.48	0.00	0.00	75,741.00	18,935.25
333	11.29 09:30:00	0:15:00	15,831.43	3,957.85	0.00	0.00	77,367.49	19,341.87
333	11.29 09:45:00	0:15:00	15,347.23	3,836.80	0.00	0.00	77,851.68	19,462.92
333	11.29 10:00:00	0:15:00	14,777.42	3,694.35	0.00	0.00	78,421.49	19,605.37
333	11.29 10:15:00	0:15:00	14,456.41	3,614.10	0.00	0.00	78,742.50	19,685.62
333	11.29 10:30:00	0:15:00	14,081.89	3,520.47	0.00	0.00	79,117.02	19,779.26
333	11.29 10:45:00	0:15:00	13,883.93	3,470.98	0.00	0.00	79,314.98	19,828.75
333	11.29 11:00:00	0:15:00	13,624.45	3,406.11	0.00	0.00	79,574.47	19,893.61
333	11.29 11:15:00	0:15:00	13,581.64	3,395.41	0.00	0.00	79,617.27	19,904.31
333	11.29 11:30:00	0:15:00	13,381.01	3,345.25	0.00	0.00	79,817.90	19,954.47
333	11.29 11:45:00	0:15:00	13,362.28	3,340.57	0.00	0.00	79,836.63	19,959.16
333	11.29 12:00:00	0:15:00	13,274.01	3,318.50	0.00	0.00	79,924.91	19,981.23
333	11.29 12:15:00	0:15:00	13,362.28	3,340.57	0.00	0.00	79,836.63	19,959.16
333	11.29 12:30:00	0:15:00	13,362.28	3,340.57	0.00	0.00	79,836.63	19,959.16
333	11.29 12:45:00	0:15:00	13,562.92	3,390.73	0.00	0.00	79,635.99	19,909.00
333	11.29 13:00:00	0:15:00	13,688.65	3,422.17	0.00	0.00	79,510.27	19,877.56
333	11.29 13:15:00	0:15:00	14,004.32	3,501.08	0.00	0.00	79,194.60	19,798.65
333	11.29 13:30:00	0:15:00	14,279.85	3,569.97	0.00	0.00	78,919.06	19,729.77
333	11.29 13:45:00	0:15:00	14,734.63	3,683.65	0.00	0.00	78,464.29	19,616.08
333	11.29 14:00:00	0:15:00	15,143.92	3,785.98	0.00	0.00	78,054.99	19,513.75
333	11.29 14:15:00	0:15:00	15,828.76	3,957.19	0.00	0.00	77,370.16	19,342.55
333	11.29 14:30:00	0:15:00	16,537.67	4,134.41	0.00	0.00	76,661.25	19,165.32
333	11.29 14:45:00	0:15:00	17,591.67	4,397.91	0.00	0.00	75,607.25	18,901.82
333	11.29 15:00:00	0:15:00	18,659.05	4,664.76	0.00	0.00	74,539.87	18,634.97
333	11.29 15:15:00	0:15:00	21,663.22	5,415.80	0.00	0.00	71,535.70	17,883.93
333	11.29 15:30:00	0:15:00	26,887.75	6,721.94	0.00	0.00	66,311.17	16,577.79
333	11.29 15:45:00	0:10:48	48,040.02	8,647.20	0.00	0.00	45,158.90	8,128.61
333	11.29 15:51:36	0:03:00	66,616.13	3,330.80	0.00	0.00	26,582.79	1,329.14
340	12.06 08:10:12	0:02:24	47,858.11	1,914.33	0.00	0.00	45,340.81	1,813.63
340	12.06 08:15:00	0:10:12	43,941.72	7,470.09	0.00	0.00	49,257.20	8,373.72



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
340	12.06 08:30:00	0:15:00	33,324.12	8,331.03	0.00	0.00	59,874.80	14,968.70
340	12.06 08:45:00	0:15:00	25,312.10	6,328.02	0.00	0.00	67,886.82	16,971.70
340	12.06 09:00:00	0:15:00	21,478.63	5,369.66	0.00	0.00	71,720.29	17,930.07
340	12.06 09:15:00	0:15:00	18,929.23	4,732.31	0.00	0.00	74,269.68	18,567.43
340	12.06 09:30:00	0:15:00	16,799.83	4,199.96	0.00	0.00	76,399.08	19,099.78
340	12.06 09:45:00	0:15:00	16,211.29	4,052.82	0.00	0.00	76,987.62	19,246.91
340	12.06 10:00:00	0:15:00	15,571.94	3,892.99	0.00	0.00	77,626.98	19,406.74
340	12.06 10:15:00	0:15:00	15,224.17	3,806.04	0.00	0.00	77,974.74	19,493.68
340	12.06 10:30:00	0:15:00	14,798.83	3,699.70	0.00	0.00	78,400.08	19,600.02
340	12.06 10:45:00	0:15:00	14,603.54	3,650.89	0.00	0.00	78,595.37	19,648.84
340	12.06 11:00:00	0:15:00	14,319.98	3,580.00	0.00	0.00	78,878.94	19,719.73
340	12.06 11:15:00	0:15:00	14,271.82	3,567.95	0.00	0.00	78,927.08	19,731.77
340	12.06 11:30:00	0:15:00	14,060.50	3,515.12	0.00	0.00	79,138.42	19,784.61
340	12.06 11:45:00	0:15:00	14,025.72	3,506.43	0.00	0.00	79,173.20	19,793.31
340	12.06 12:00:00	0:15:00	13,881.25	3,470.31	0.00	0.00	79,317.66	19,829.42
340	12.06 12:15:00	0:15:00	13,958.84	3,489.71	0.00	0.00	79,240.08	19,810.02
340	12.06 12:30:00	0:15:00	13,950.81	3,487.71	0.00	0.00	79,248.11	19,812.02
340	12.06 12:45:00	0:15:00	14,151.45	3,537.86	0.00	0.00	79,047.47	19,761.86
340	12.06 13:00:00	0:15:00	14,266.47	3,566.62	0.00	0.00	78,932.44	19,733.11
340	12.06 13:15:00	0:15:00	14,598.19	3,649.54	0.00	0.00	78,600.72	19,650.18
340	12.06 13:30:00	0:15:00	14,863.03	3,715.76	0.00	0.00	78,335.89	19,583.97
340	12.06 13:45:00	0:15:00	15,333.85	3,833.47	0.00	0.00	77,865.06	19,466.27
340	12.06 14:00:00	0:15:00	15,783.28	3,945.82	0.00	0.00	77,415.64	19,353.91
340	12.06 14:15:00	0:15:00	16,473.46	4,118.37	0.00	0.00	76,725.46	19,181.37
340	12.06 14:30:00	0:15:00	17,217.15	4,304.29	0.00	0.00	75,981.77	18,995.44
340	12.06 14:45:00	0:15:00	18,332.68	4,583.17	0.00	0.00	74,866.24	18,716.56
340	12.06 15:00:00	0:15:00	19,480.31	4,870.07	0.00	0.00	73,718.60	18,429.65
340	12.06 15:15:00	0:15:00	22,677.09	5,669.27	0.00	0.00	70,521.82	17,630.46
340	12.06 15:30:00	0:15:00	28,190.54	7,047.63	0.00	0.00	65,008.38	16,252.09
340	12.06 15:45:00	0:10:12	50,343.31	8,558.37	0.00	0.00	42,855.61	7,285.45
340	12.06 15:51:00	0:03:00	67,127.08	3,356.36	0.00	0.00	26,071.83	1,303.59
347	12.13 08:15:36	0:07:12	48,318.23	5,798.19	0.00	0.00	44,880.68	5,385.69
347	12.13 08:30:00	0:15:00	37,093.38	9,273.35	0.00	0.00	56,105.54	14,026.38
347	12.13 08:45:00	0:15:00	28,129.01	7,032.25	0.00	0.00	65,069.91	16,267.47
347	12.13 09:00:00	0:15:00	22,861.67	5,715.42	0.00	0.00	70,337.24	17,584.31
347	12.13 09:15:00	0:15:00	20,149.10	5,037.27	0.00	0.00	73,049.82	18,262.45
347	12.13 09:30:00	0:15:00	17,770.90	4,442.72	0.00	0.00	75,428.02	18,857.01
347	12.13 09:45:00	0:15:00	16,847.98	4,212.00	0.00	0.00	76,350.94	19,087.73
347	12.13 10:00:00	0:15:00	16,165.82	4,041.46	0.00	0.00	77,033.10	19,258.27
347	12.13 10:15:00	0:15:00	15,756.53	3,939.14	0.00	0.00	77,442.39	19,360.60
347	12.13 10:30:00	0:15:00	15,293.73	3,823.43	0.00	0.00	77,905.19	19,476.30
347	12.13 10:45:00	0:15:00	15,082.40	3,770.59	0.00	0.00	78,116.52	19,529.13
347	12.13 11:00:00	0:15:00	14,793.47	3,698.37	0.00	0.00	78,405.43	19,601.36
347	12.13 11:15:00	0:15:00	14,721.25	3,680.32	0.00	0.00	78,477.67	19,619.41
347	12.13 11:30:00	0:15:00	14,496.54	3,624.13	0.00	0.00	78,702.38	19,675.59
347	12.13 11:45:00	0:15:00	14,435.01	3,608.75	0.00	0.00	78,763.90	19,690.97
347	12.13 12:00:00	0:15:00	14,277.18	3,569.30	0.00	0.00	78,921.73	19,730.43
347	12.13 12:15:00	0:15:00	14,344.06	3,586.01	0.00	0.00	78,854.86	19,713.72
347	12.13 12:30:00	0:15:00	14,306.60	3,576.65	0.00	0.00	78,892.32	19,723.08
347	12.13 12:45:00	0:15:00	14,507.24	3,626.81	0.00	0.00	78,691.68	19,672.92
347	12.13 13:00:00	0:15:00	14,611.57	3,652.89	0.00	0.00	78,587.34	19,646.84
347	12.13 13:15:00	0:15:00	14,956.67	3,739.16	0.00	0.00	78,242.25	19,560.57
347	12.13 13:30:00	0:15:00	15,200.10	3,800.02	0.00	0.00	77,998.81	19,499.71
347	12.13 13:45:00	0:15:00	15,678.94	3,919.74	0.00	0.00	77,519.97	19,379.99
347	12.13 14:00:00	0:15:00	16,093.59	4,023.40	0.00	0.00	77,105.32	19,276.33
347	12.13 14:15:00	0:15:00	16,823.90	4,205.97	0.00	0.00	76,375.02	19,093.75
347	12.13 14:30:00	0:15:00	17,572.94	4,393.23	0.00	0.00	75,625.98	18,906.49
347	12.13 14:45:00	0:15:00	18,709.88	4,677.46	0.00	0.00	74,489.04	18,622.26
347	12.13 15:00:00	0:15:00	19,828.07	4,957.02	0.00	0.00	73,370.84	18,342.71
347	12.13 15:15:00	0:15:00	22,928.55	5,732.14	0.00	0.00	70,270.36	17,567.59
347	12.13 15:30:00	0:15:00	28,270.79	7,067.70	0.00	0.00	64,928.12	16,232.03
347	12.13 15:45:00	0:10:48	47,668.17	8,580.27	0.00	0.00	45,530.74	8,195.54
347	12.13 15:52:11	0:03:36	68,384.39	4,103.06	0.00	0.00	24,814.52	1,488.87
354	12.20 08:19:48	0:04:48	48,272.75	3,861.82	0.00	0.00	44,926.16	3,594.09
354	12.20 08:30:00	0:12:36	40,169.78	8,435.66	0.00	0.00	53,029.14	11,136.12
354	12.20 08:45:00	0:15:00	30,488.48	7,622.12	0.00	0.00	62,710.44	15,677.61



650 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	EXSFT	EXSFHR	NewSQFT	NewSQFTHR	SunnySQFT	SunnySQFTHR
354	12.20 09:00:00	0:15:00	23,995.93	5,998.98	0.00	0.00	69,202.99	17,300.74
354	12.20 09:15:00	0:15:00	21,010.49	5,252.62	0.00	0.00	72,188.43	18,047.11
354	12.20 09:30:00	0:15:00	18,477.14	4,619.28	0.00	0.00	74,721.78	18,680.45
354	12.20 09:45:00	0:15:00	17,198.42	4,299.61	0.00	0.00	76,000.50	19,000.12
354	12.20 10:00:00	0:15:00	16,502.89	4,125.72	0.00	0.00	76,696.03	19,174.00
354	12.20 10:15:00	0:15:00	16,042.76	4,010.69	0.00	0.00	77,156.15	19,289.04
354	12.20 10:30:00	0:15:00	15,542.51	3,885.63	0.00	0.00	77,656.40	19,414.10
354	12.20 10:45:00	0:15:00	15,309.77	3,827.45	0.00	0.00	77,889.14	19,472.28
354	12.20 11:00:00	0:15:00	15,012.84	3,753.21	0.00	0.00	78,186.07	19,546.52
354	12.20 11:15:00	0:15:00	14,911.19	3,727.80	0.00	0.00	78,287.73	19,571.93
354	12.20 11:30:00	0:15:00	14,694.50	3,673.62	0.00	0.00	78,504.42	19,626.11
354	12.20 11:45:00	0:15:00	14,624.94	3,656.24	0.00	0.00	78,573.97	19,643.49
354	12.20 12:00:00	0:15:00	14,429.66	3,607.41	0.00	0.00	78,769.25	19,692.32
354	12.20 12:15:00	0:15:00	14,504.56	3,626.14	0.00	0.00	78,694.36	19,673.59
354	12.20 12:30:00	0:15:00	14,453.73	3,613.43	0.00	0.00	78,745.18	19,686.29
354	12.20 12:45:00	0:15:00	14,627.62	3,656.91	0.00	0.00	78,571.29	19,642.83
354	12.20 13:00:00	0:15:00	14,734.63	3,683.65	0.00	0.00	78,464.29	19,616.08
354	12.20 13:15:00	0:15:00	15,028.89	3,757.23	0.00	0.00	78,170.03	19,542.51
354	12.20 13:30:00	0:15:00	15,283.03	3,820.75	0.00	0.00	77,915.89	19,478.97
354	12.20 13:45:00	0:15:00	15,751.18	3,937.79	0.00	0.00	77,447.74	19,361.93
354	12.20 14:00:00	0:15:00	16,168.50	4,042.12	0.00	0.00	77,030.42	19,257.61
354	12.20 14:15:00	0:15:00	16,858.68	4,214.67	0.00	0.00	76,340.24	19,085.06
354	12.20 14:30:00	0:15:00	17,578.29	4,394.58	0.00	0.00	75,620.63	18,905.15
354	12.20 14:45:00	0:15:00	18,688.47	4,672.11	0.00	0.00	74,510.45	18,627.61
354	12.20 15:00:00	0:15:00	19,795.97	4,948.99	0.00	0.00	73,402.94	18,350.74
354	12.20 15:15:00	0:15:00	22,452.38	5,613.09	0.00	0.00	70,746.53	17,686.64
354	12.20 15:30:00	0:15:00	27,208.76	6,802.19	0.00	0.00	65,990.16	16,497.54
354	12.20 15:45:00	0:12:36	41,980.85	8,815.98	0.00	0.00	51,218.07	10,755.79
354	12.20 15:54:36	0:04:48	67,929.62	5,434.37	0.00	0.00	25,269.30	2,021.55
			11,783,519.23	2,324,085.34	62,683.69	10,942.10	94,959,754.40	23,353,390.60

Summary of Impacts

Date	Mirros	Date+Time	Duration	EXSQFT	EXSQFTHR	NewSQFT	NewSQFTHR
21-Jun	None	1991.06.21 19:00:00	0:15:00	3,006.85	751.71	50.83	12.71
		1991.06.21 19:15:00	0:18:00	9,721.43	2,916.42	2,239.08	671.72
		1991.06.21 19:36:00	0:10:48	56,817.13	10,227.08	9,338.89	1,681.00
28-Jun	14-Jun	1991.06.28 19:15:00	0:18:00	8,648.70	2,594.61	1,974.25	592.27
		1991.06.28 19:36:36	0:10:48	57,579.53	10,364.31	9,293.41	1,672.82
5-Jul	7-Jul	1991.07.05 19:15:00	0:18:00	9,229.20	2,768.77	1,770.94	531.28
		1991.07.05 19:36:00	0:10:48	59,077.61	10,633.97	8,699.52	1,565.91
12-Jul	31-May	1991.07.12 19:15:00	0:16:48	11,973.89	3,352.69	1,671.96	468.14
		1991.07.12 19:33:36	0:09:00	61,322.05	9,198.30	7,506.42	1,125.96
19-Jul	24-May	1991.07.19 19:15:00	0:15:00	17,741.47	4,435.37	1,661.26	415.31
		1991.07.19 19:30:00	0:07:48	64,652.58	8,404.84	6,332.04	823.17
26-Jul	17-May	1991.07.26 19:15:00	0:12:36	30,536.62	6,412.69	1,784.31	374.70
		1991.07.26 19:25:12	0:05:24	68,568.98	6,171.21	4,360.47	392.44
2-Aug	10-May	1991.08.02 19:15:00	0:09:00	54,037.66	8,105.65	2,033.10	304.96
		1991.08.02 19:18:36	0:01:48	69,989.47	2,099.68	2,889.14	86.67
9-Aug	3-May	1991.08.09 19:10:48	0:12:36	71,102.33	14,931.49	1,029.92	216.28
16-Aug	26-May	1991.08.16 19:02:23	0:08:24	71,985.12	10,077.92	48.16	6.74
				113,446.71	62,683.69	10,942.10	

650 Indiana

Summary of Results

cadp annualized net new shadow	147,734.00	Sq ft hrs
Annual Available Sunlight (AAS), based on City's AAS Factor	296,706,366.08	Sq ft hrs
Annual Shadow Increase as a Percentage of AAS	0.04979%	

Summary of Results (FULL EXISTING CONDITIONS)

cadp annualized net new shadow	147,734.00	Sq ft hrs
Annual Available Sunlight as calculated with Existing Conditions	315,304,284.10	Sq ft hrs
Annual Shadow Increase as a Percentage of AAS	0.04685%	

Summary of Results (% Existing shadow of TAAS)

Annual Available Sunlight (TAAS), based on City's AAS Factor	296,706,366.08	Sq ft hrs
CADP Annual Existing Shadows on Park	31,378,487.00	Sq ft hrs
Percentage of Existing Shadow on Park against TAAS	10.576%	
Total Shadow All (Ex & Prop)	31,526,221.00	
Total Shadow All (Ex & Prop)	10.63%	
Percentage of largest impact against park area	11.71%	

800 INDIANA STREET



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
172	1991.06.21 06:46:48	0:06:36	5,717.64	61,544.08	6,769.85	0.00	0.00	31,654.83	3,482.04
172	1991.06.21 07:00:00	0:13:48	4,049.02	43,583.25	10,024.15	0.00	0.00	49,615.67	11,411.61
172	1991.06.21 07:15:00	0:15:00	2,743.75	29,533.45	7,383.37	0.00	0.00	63,665.47	15,916.36
172	1991.06.21 07:30:00	0:15:00	1,849.55	19,908.33	4,977.09	0.00	0.00	73,290.59	18,322.64
172	1991.06.21 07:45:00	0:15:00	1,174.05	12,637.32	3,159.33	0.00	0.00	80,561.59	20,140.40
172	1991.06.21 08:00:00	0:15:00	791.81	8,522.97	2,130.75	0.00	0.00	84,675.94	21,168.99
172	1991.06.21 08:15:00	0:15:00	512.96	5,521.47	1,380.37	0.00	0.00	87,677.44	21,919.36
172	1991.06.21 08:30:00	0:15:00	284.81	3,065.70	766.42	0.00	0.00	90,133.22	22,533.30
172	1991.06.21 08:45:00	0:15:00	94.69	1,019.22	254.80	0.00	0.00	92,179.69	23,044.92
172	1991.06.21 09:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 09:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 09:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 09:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 10:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 10:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 10:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 10:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 11:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 11:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 11:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 11:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 12:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 12:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 12:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 12:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 13:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 13:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 13:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 13:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 14:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 14:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 14:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 14:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 15:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 15:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 15:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 15:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 16:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 16:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 16:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 16:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 17:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 17:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 17:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 17:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 18:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 18:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 18:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
172	1991.06.21 18:45:00	0:15:00	52.94	569.80	142.45	0.00	0.00	92,629.11	23,157.28
172	1991.06.21 19:00:00	0:15:00	279.35	3,006.85	751.71	0.00	0.00	90,192.06	22,548.01
172	1991.06.21 19:15:00	0:18:00	903.15	9,721.43	2,916.42	0.00	0.00	83,477.49	25,043.25
172	1991.06.21 19:36:00	0:10:48	5,278.49	56,817.13	10,227.08	0.00	0.00	36,381.79	6,548.72
179	1991.06.28 06:48:35	0:06:00	5,727.33	61,648.41	6,164.84	0.00	0.00	31,550.51	3,155.05
179	1991.06.28 07:00:00	0:13:12	4,276.92	46,036.34	10,127.99	0.00	0.00	47,162.58	10,375.76
179	1991.06.28 07:15:00	0:15:00	2,893.61	31,146.56	7,786.64	0.00	0.00	62,052.36	15,513.09
179	1991.06.28 07:30:00	0:15:00	1,951.94	21,010.49	5,252.62	0.00	0.00	72,188.43	18,047.11
179	1991.06.28 07:45:00	0:15:00	1,253.33	13,490.69	3,372.67	0.00	0.00	79,708.23	19,927.06
179	1991.06.28 08:00:00	0:15:00	835.30	8,991.12	2,247.78	0.00	0.00	84,207.80	21,051.95
179	1991.06.28 08:15:00	0:15:00	546.76	5,885.29	1,471.32	0.00	0.00	87,313.62	21,828.40
179	1991.06.28 08:30:00	0:15:00	313.39	3,373.34	843.33	0.00	0.00	89,825.57	22,456.39
179	1991.06.28 08:45:00	0:15:00	117.06	1,259.99	314.99	0.00	0.00	91,938.93	22,984.74
179	1991.06.28 09:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
179	1991.06.28 09:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 09:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 09:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 10:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 10:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 10:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 10:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 11:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 11:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 11:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 11:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 12:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 12:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 12:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 12:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 13:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 13:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 13:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 13:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 14:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 14:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 14:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 14:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 15:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 15:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 15:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 15:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 16:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 16:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 16:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 16:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 17:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 17:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 17:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 17:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 18:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 18:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 18:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
179	1991.06.28 18:45:00	0:15:00	41.01	441.40	110.35	0.00	0.00	92,757.52	23,189.38
179	1991.06.28 19:00:00	0:15:00	266.92	2,873.09	718.28	0.00	0.00	90,325.83	22,581.46
179	1991.06.28 19:15:00	0:18:00	803.49	8,648.70	2,594.61	0.00	0.00	84,550.22	25,365.07
179	1991.06.28 19:36:36	0:10:48	5,349.32	57,579.53	10,364.31	0.00	0.00	35,619.38	6,411.48
186	1991.07.05 06:52:12	0:03:36	5,712.42	61,487.91	3,689.27	0.00	0.00	31,711.01	1,902.66
186	1991.07.05 07:00:00	0:11:24	4,605.47	49,572.86	9,418.84	0.00	0.00	43,626.04	8,288.95
186	1991.07.05 07:15:00	0:15:00	3,127.23	33,661.18	8,415.29	0.00	0.00	59,537.74	14,884.43
186	1991.07.05 07:30:00	0:15:00	2,112.24	22,735.94	5,683.99	0.00	0.00	70,462.98	17,615.75
186	1991.07.05 07:45:00	0:15:00	1,371.38	14,761.38	3,690.35	0.00	0.00	78,437.54	19,609.38
186	1991.07.05 08:00:00	0:15:00	898.93	9,675.95	2,418.99	0.00	0.00	83,522.97	20,880.74
186	1991.07.05 08:15:00	0:15:00	594.48	6,398.91	1,599.73	0.00	0.00	86,800.00	21,700.00
186	1991.07.05 08:30:00	0:15:00	353.66	3,806.72	951.68	0.00	0.00	89,392.20	22,348.05
186	1991.07.05 08:45:00	0:15:00	149.86	1,613.10	403.28	0.00	0.00	91,585.82	22,896.45
186	1991.07.05 09:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 09:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 09:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 09:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 10:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 10:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 10:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 10:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 11:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 11:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 11:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 11:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
186	1991.07.05 12:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 12:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 12:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 12:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 13:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 13:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 13:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 13:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 14:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 14:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 14:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 14:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 15:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 15:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 15:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 15:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 16:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 16:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 16:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 16:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 17:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 17:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 17:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 17:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 18:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 18:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 18:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
186	1991.07.05 18:45:00	0:15:00	47.97	516.30	129.07	0.00	0.00	92,682.61	23,170.65
186	1991.07.05 19:00:00	0:15:00	273.13	2,939.97	734.99	0.00	0.00	90,258.95	22,564.74
186	1991.07.05 19:15:00	0:18:00	857.42	9,229.20	2,768.77	0.00	0.00	83,969.71	25,190.92
186	1991.07.05 19:36:00	0:10:48	5,488.50	59,077.61	10,633.97	0.00	0.00	34,121.30	6,141.84
193	1991.07.12 06:56:24	0:01:48	5,668.18	61,011.73	1,830.35	0.00	0.00	32,187.18	965.62
193	1991.07.12 07:00:00	0:09:00	5,145.03	55,380.58	8,307.08	0.00	0.00	37,818.34	5,672.75
193	1991.07.12 07:15:00	0:15:00	3,460.75	37,251.21	9,312.80	0.00	0.00	55,947.71	13,986.92
193	1991.07.12 07:30:00	0:15:00	2,340.64	25,194.39	6,298.59	0.00	0.00	68,004.52	17,001.13
193	1991.07.12 07:45:00	0:15:00	1,534.91	16,521.62	4,130.40	0.00	0.00	76,677.30	19,169.32
193	1991.07.12 08:00:00	0:15:00	979.45	10,542.69	2,635.67	0.00	0.00	82,656.22	20,664.05
193	1991.07.12 08:15:00	0:15:00	660.34	7,107.82	1,776.96	0.00	0.00	86,091.09	21,522.77
193	1991.07.12 08:30:00	0:15:00	402.62	4,333.72	1,083.43	0.00	0.00	88,865.20	22,216.30
193	1991.07.12 08:45:00	0:15:00	192.11	2,067.87	516.97	0.00	0.00	91,131.04	22,782.76
193	1991.07.12 09:00:00	0:15:00	13.17	141.78	35.45	0.00	0.00	93,057.13	23,264.29
193	1991.07.12 09:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 09:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 09:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 10:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 10:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 10:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 10:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 11:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 11:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 11:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 11:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 12:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 12:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 12:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 12:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 13:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 13:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 13:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 13:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 14:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 14:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 14:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 14:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
193	1991.07.12 15:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 15:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 15:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 15:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 16:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 16:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 16:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 16:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 17:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 17:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 17:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 17:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 18:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 18:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 18:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
193	1991.07.12 18:45:00	0:15:00	73.07	786.49	196.62	0.00	0.00	92,412.43	23,103.11
193	1991.07.12 19:00:00	0:15:00	308.92	3,325.18	831.30	0.00	0.00	89,873.73	22,468.44
193	1991.07.12 19:15:00	0:16:48	1,112.41	11,973.89	3,352.69	0.00	0.00	81,225.02	22,743.01
193	1991.07.12 19:33:36	0:09:00	5,697.01	61,322.05	9,198.30	0.00	0.00	31,876.87	4,781.53
200	1991.07.19 07:01:11	0:07:48	5,641.34	60,722.82	7,893.96	0.00	0.00	32,476.10	4,221.89
200	1991.07.19 07:16:11	0:14:24	3,772.91	40,611.17	9,746.68	0.00	0.00	52,587.74	12,621.06
200	1991.07.19 07:30:00	0:14:24	2,632.66	28,337.67	6,801.04	0.00	0.00	64,861.25	15,566.70
200	1991.07.19 07:45:00	0:15:00	1,737.21	18,699.18	4,674.79	0.00	0.00	74,499.74	18,624.94
200	1991.07.19 08:00:00	0:15:00	1,091.54	11,749.17	2,937.30	0.00	0.00	81,449.73	20,362.44
200	1991.07.19 08:15:00	0:15:00	737.63	7,939.79	1,984.95	0.00	0.00	85,259.13	21,314.78
200	1991.07.19 08:30:00	0:15:00	466.74	5,023.90	1,255.97	0.00	0.00	88,175.02	22,043.76
200	1991.07.19 08:45:00	0:15:00	242.07	2,605.57	651.40	0.00	0.00	90,593.34	22,648.33
200	1991.07.19 09:00:00	0:15:00	52.94	569.80	142.45	0.00	0.00	92,629.11	23,157.28
200	1991.07.19 09:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 09:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 09:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 10:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 10:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 10:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 10:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 11:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 11:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 11:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 11:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 12:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 12:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 12:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 12:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 13:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 13:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 13:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 13:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 14:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 14:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 14:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 14:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 15:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 15:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 15:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 15:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 16:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 16:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 16:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 16:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 17:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 17:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 17:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 17:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 18:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
200	1991.07.19 18:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 18:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
200	1991.07.19 18:45:00	0:15:00	122.03	1,313.49	328.37	0.00	0.00	91,885.43	22,971.36
200	1991.07.19 19:00:00	0:15:00	377.27	4,060.85	1,015.21	0.00	0.00	89,138.06	22,284.51
200	1991.07.19 19:15:00	0:15:00	1,648.24	17,741.47	4,435.37	0.00	0.00	75,457.45	18,864.36
200	1991.07.19 19:30:00	0:07:48	6,006.43	64,652.58	8,404.84	0.00	0.00	28,546.34	3,711.03
207	1991.07.26 07:07:12	0:03:36	5,621.21	60,506.13	3,630.37	0.00	0.00	32,692.78	1,961.57
207	1991.07.26 07:15:00	0:11:24	4,502.09	48,460.01	9,207.40	0.00	0.00	44,738.90	8,500.39
207	1991.07.26 07:30:00	0:15:00	2,985.32	32,133.69	8,033.42	0.00	0.00	61,065.23	15,266.31
207	1991.07.26 07:45:00	0:15:00	1,989.97	21,419.78	5,354.94	0.00	0.00	71,779.13	17,944.79
207	1991.07.26 08:00:00	0:15:00	1,271.47	13,685.98	3,421.49	0.00	0.00	79,512.94	19,878.23
207	1991.07.26 08:15:00	0:15:00	831.58	8,950.99	2,237.75	0.00	0.00	84,247.93	21,061.98
207	1991.07.26 08:30:00	0:15:00	541.29	5,826.43	1,456.61	0.00	0.00	87,372.48	21,843.12
207	1991.07.26 08:45:00	0:15:00	301.47	3,244.94	811.23	0.00	0.00	89,953.98	22,488.50
207	1991.07.26 09:00:00	0:15:00	101.40	1,091.45	272.86	0.00	0.00	92,107.46	23,026.87
207	1991.07.26 09:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 09:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 09:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 10:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 10:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 10:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 10:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 11:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 11:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 11:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 11:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 12:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 12:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 12:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 12:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 13:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 13:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 13:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 13:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 14:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 14:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 14:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 14:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 15:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 15:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 15:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 15:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 16:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 16:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 16:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 16:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 17:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 17:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 17:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 17:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 18:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 18:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 18:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
207	1991.07.26 18:45:00	0:15:00	193.60	2,083.92	520.98	0.00	0.00	91,114.99	22,778.75
207	1991.07.26 19:00:00	0:15:00	495.81	5,336.89	1,334.22	0.00	0.00	87,862.02	21,965.50
207	1991.07.26 19:15:00	0:12:36	2,836.95	30,536.62	6,412.69	0.00	0.00	62,662.29	13,159.08
207	1991.07.26 19:25:12	0:05:24	6,370.27	68,568.98	6,171.21	0.00	0.00	24,629.93	2,216.70
214	1991.08.02 07:12:36	0:01:12	5,532.98	59,556.45	1,191.13	0.00	0.00	33,642.46	672.85
214	1991.08.02 07:15:00	0:09:00	5,171.12	55,661.46	8,349.22	0.00	0.00	37,537.44	5,630.62
214	1991.08.02 07:30:00	0:15:00	3,432.67	36,948.92	9,237.23	0.00	0.00	56,250.00	14,062.50
214	1991.08.02 07:45:00	0:15:00	2,285.96	24,605.87	6,151.46	0.00	0.00	68,593.05	17,148.26
214	1991.08.02 08:00:00	0:15:00	1,478.74	15,917.03	3,979.26	0.00	0.00	77,281.88	19,320.47
214	1991.08.02 08:15:00	0:15:00	937.20	10,087.93	2,521.98	0.00	0.00	83,110.99	20,777.75
214	1991.08.02 08:30:00	0:15:00	622.31	6,698.53	1,674.64	0.00	0.00	86,500.39	21,625.09



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
214	1991.08.02 08:45:00	0:15:00	367.33	3,953.85	988.46	0.00	0.00	89,245.07	22,311.27
214	1991.08.02 09:00:00	0:15:00	153.34	1,650.56	412.63	0.00	0.00	91,548.36	22,887.09
214	1991.08.02 09:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 09:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 09:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 10:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 10:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 10:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 10:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 11:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 11:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 11:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 11:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 12:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 12:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 12:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 12:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 13:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 13:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 13:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 13:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 14:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 14:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 14:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 14:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 15:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 15:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 15:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 15:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 16:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 16:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 16:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 16:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 17:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 17:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 17:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 17:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 18:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 18:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
214	1991.08.02 18:30:00	0:15:00	65.61	706.23	176.56	0.00	0.00	92,492.69	23,123.17
214	1991.08.02 18:45:00	0:15:00	301.71	3,247.61	811.90	0.00	0.00	89,951.31	22,487.82
214	1991.08.02 19:00:00	0:15:00	1,010.52	10,877.08	2,719.27	0.00	0.00	82,321.83	20,580.46
214	1991.08.02 19:15:00	0:09:00	5,020.27	54,037.66	8,105.65	0.00	0.00	39,161.25	5,874.18
214	1991.08.02 19:18:36	0:01:48	6,502.24	69,989.47	2,099.68	0.00	0.00	23,209.44	696.28
221	1991.08.09 07:19:12	0:05:24	5,450.97	58,673.66	5,280.63	0.00	0.00	34,525.25	3,107.27
221	1991.08.09 07:30:00	0:12:36	3,978.94	42,828.86	8,994.06	0.00	0.00	50,370.06	10,577.72
221	1991.08.09 07:45:00	0:15:00	2,636.39	28,377.80	7,094.45	0.00	0.00	64,821.12	16,205.28
221	1991.08.09 08:00:00	0:15:00	1,731.99	18,642.99	4,660.75	0.00	0.00	74,555.93	18,638.98
221	1991.08.09 08:15:00	0:15:00	1,060.47	11,414.78	2,853.69	0.00	0.00	81,784.12	20,446.03
221	1991.08.09 08:30:00	0:15:00	718.74	7,736.48	1,934.12	0.00	0.00	85,462.44	21,365.61
221	1991.08.09 08:45:00	0:15:00	433.43	4,665.43	1,166.35	0.00	0.00	88,533.49	22,133.37
221	1991.08.09 09:00:00	0:15:00	206.28	2,220.36	555.09	0.00	0.00	90,978.56	22,744.64
221	1991.08.09 09:15:00	0:15:00	17.15	184.58	46.14	0.00	0.00	93,014.34	23,253.59
221	1991.08.09 09:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 09:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 10:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 10:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 10:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 10:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 11:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 11:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 11:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 11:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 12:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
221	1991.08.09 12:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 12:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 12:45:00	0:15:00	0.25	2.68	0.67	0.00	0.00	93,196.24	23,299.06
221	1991.08.09 13:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 13:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 13:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 13:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 14:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 14:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 14:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 14:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 15:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 15:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 15:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 15:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 16:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 16:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 16:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 16:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 17:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 17:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 17:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 17:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 18:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 18:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
221	1991.08.09 18:30:00	0:15:00	173.47	1,867.25	466.81	0.00	0.00	91,331.67	22,832.92
221	1991.08.09 18:45:00	0:20:24	454.31	4,890.14	1,662.65	0.00	0.00	88,308.78	30,024.98
221	1991.08.09 19:10:48	0:12:36	6,605.63	71,102.33	14,931.49	0.00	0.00	22,096.59	4,640.28
228	1991.08.16 07:25:12	0:02:24	5,306.57	57,119.41	2,284.78	0.00	0.00	36,079.51	1,443.18
228	1991.08.16 07:30:00	0:10:12	4,650.21	50,054.40	8,509.25	0.00	0.00	43,144.52	7,334.56
228	1991.08.16 07:45:00	0:15:00	3,058.88	32,925.52	8,231.38	0.00	0.00	60,273.39	15,068.35
228	1991.08.16 08:00:00	0:15:00	2,012.08	21,657.87	5,414.47	0.00	0.00	71,541.05	17,885.26
228	1991.08.16 08:15:00	0:15:00	1,271.72	13,688.65	3,422.17	0.00	0.00	79,510.27	19,877.56
228	1991.08.16 08:30:00	0:15:00	808.96	8,707.55	2,176.89	0.00	0.00	84,491.36	21,122.84
228	1991.08.16 08:45:00	0:15:00	505.26	5,438.55	1,359.63	0.00	0.00	87,760.37	21,940.09
228	1991.08.16 09:00:00	0:15:00	261.45	2,814.24	703.56	0.00	0.00	90,384.67	22,596.17
228	1991.08.16 09:15:00	0:15:00	65.61	706.23	176.56	0.00	0.00	92,492.69	23,123.17
228	1991.08.16 09:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 09:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 10:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 10:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 10:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 10:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 11:00:00	0:15:00	1.99	21.40	5.35	0.00	0.00	93,177.52	23,294.38
228	1991.08.16 11:15:00	0:15:00	5.72	61.53	15.38	0.00	0.00	93,137.39	23,284.35
228	1991.08.16 11:30:00	0:15:00	7.21	77.58	19.40	0.00	0.00	93,121.34	23,280.34
228	1991.08.16 11:45:00	0:15:00	13.17	141.78	35.45	0.00	0.00	93,057.13	23,264.29
228	1991.08.16 12:00:00	0:15:00	13.92	149.81	37.45	0.00	0.00	93,049.10	23,262.27
228	1991.08.16 12:15:00	0:15:00	19.88	214.01	53.51	0.00	0.00	92,984.91	23,246.22
228	1991.08.16 12:30:00	0:15:00	18.39	197.96	49.49	0.00	0.00	93,000.96	23,250.24
228	1991.08.16 12:45:00	0:15:00	22.12	238.09	59.52	0.00	0.00	92,960.83	23,240.21
228	1991.08.16 13:00:00	0:15:00	19.14	205.99	51.49	0.00	0.00	92,992.93	23,248.24
228	1991.08.16 13:15:00	0:15:00	21.37	230.06	57.51	0.00	0.00	92,968.86	23,242.21
228	1991.08.16 13:30:00	0:15:00	15.91	171.21	42.80	0.00	0.00	93,027.71	23,256.92
228	1991.08.16 13:45:00	0:15:00	16.65	179.23	44.81	0.00	0.00	93,019.69	23,254.92
228	1991.08.16 14:00:00	0:15:00	10.44	112.35	28.09	0.00	0.00	93,086.56	23,271.64
228	1991.08.16 14:15:00	0:15:00	9.69	104.33	26.08	0.00	0.00	93,094.58	23,273.65
228	1991.08.16 14:30:00	0:15:00	4.47	48.16	12.03	0.00	0.00	93,150.76	23,287.69
228	1991.08.16 14:45:00	0:15:00	1.99	21.40	5.35	0.00	0.00	93,177.52	23,294.38
228	1991.08.16 15:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 15:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 15:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 15:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 16:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
228	1991.08.16 16:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 16:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 16:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 17:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 17:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 17:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 17:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 18:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
228	1991.08.16 18:15:00	0:15:00	73.32	789.17	197.29	0.00	0.00	92,409.75	23,102.44
228	1991.08.16 18:30:00	0:15:00	317.37	3,416.14	854.04	0.00	0.00	89,782.78	22,445.69
228	1991.08.16 18:45:00	0:16:12	1,052.27	11,326.51	3,058.15	0.00	0.00	81,872.41	22,105.55
228	1991.08.16 19:02:23	0:08:24	6,687.64	71,985.12	10,077.92	0.00	0.00	21,213.80	2,969.93
235	1991.08.23 07:31:48	0:06:36	5,185.54	55,816.62	6,139.83	0.00	0.00	37,382.29	4,112.06
235	1991.08.23 07:45:00	0:13:48	3,551.47	38,227.64	8,792.35	0.00	0.00	54,971.28	12,643.40
235	1991.08.23 08:00:00	0:15:00	2,342.88	25,218.47	6,304.62	0.00	0.00	67,980.44	16,995.11
235	1991.08.23 08:15:00	0:15:00	1,470.79	15,831.43	3,957.85	0.00	0.00	77,367.49	19,341.87
235	1991.08.23 08:30:00	0:15:00	899.92	9,686.65	2,421.66	0.00	0.00	83,512.27	20,878.07
235	1991.08.23 08:45:00	0:15:00	574.10	6,179.55	1,544.89	0.00	0.00	87,019.36	21,754.84
235	1991.08.23 09:00:00	0:15:00	317.87	3,421.49	855.37	0.00	0.00	89,777.42	22,444.36
235	1991.08.23 09:15:00	0:15:00	111.34	1,198.46	299.61	0.00	0.00	92,000.45	23,000.12
235	1991.08.23 09:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	1991.08.23 09:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	1991.08.23 10:00:00	0:15:00	3.73	40.13	10.03	0.00	0.00	93,158.79	23,289.70
235	1991.08.23 10:15:00	0:15:00	11.68	125.73	31.43	0.00	0.00	93,073.18	23,268.30
235	1991.08.23 10:30:00	0:15:00	19.63	211.34	52.83	0.00	0.00	92,987.58	23,246.89
235	1991.08.23 10:45:00	0:15:00	29.08	312.99	78.24	0.00	0.00	92,885.92	23,221.48
235	1991.08.23 11:00:00	0:15:00	35.54	382.55	95.64	0.00	0.00	92,816.37	23,204.09
235	1991.08.23 11:15:00	0:15:00	46.48	500.25	125.07	0.00	0.00	92,698.66	23,174.67
235	1991.08.23 11:30:00	0:15:00	48.46	521.65	130.42	0.00	0.00	92,677.27	23,169.32
235	1991.08.23 11:45:00	0:15:00	55.92	601.91	150.48	0.00	0.00	92,597.01	23,149.25
235	1991.08.23 12:00:00	0:15:00	55.92	601.91	150.48	0.00	0.00	92,597.01	23,149.25
235	1991.08.23 12:15:00	0:15:00	63.87	687.51	171.88	0.00	0.00	92,511.40	23,127.85
235	1991.08.23 12:30:00	0:15:00	61.14	658.08	164.52	0.00	0.00	92,540.83	23,135.21
235	1991.08.23 12:45:00	0:15:00	67.10	722.29	180.58	0.00	0.00	92,476.63	23,119.16
235	1991.08.23 13:00:00	0:15:00	62.13	668.78	167.20	0.00	0.00	92,530.13	23,132.54
235	1991.08.23 13:15:00	0:15:00	65.61	706.23	176.56	0.00	0.00	92,492.69	23,123.17
235	1991.08.23 13:30:00	0:15:00	58.65	631.34	157.83	0.00	0.00	92,567.58	23,141.90
235	1991.08.23 13:45:00	0:15:00	60.14	647.38	161.85	0.00	0.00	92,551.53	23,137.89
235	1991.08.23 14:00:00	0:15:00	51.20	551.08	137.77	0.00	0.00	92,647.84	23,161.96
235	1991.08.23 14:15:00	0:15:00	50.70	545.73	136.43	0.00	0.00	92,653.19	23,163.30
235	1991.08.23 14:30:00	0:15:00	40.51	436.05	109.02	0.00	0.00	92,762.87	23,190.71
235	1991.08.23 14:45:00	0:15:00	36.53	393.25	98.31	0.00	0.00	92,805.67	23,201.41
235	1991.08.23 15:00:00	0:15:00	25.10	270.18	67.54	0.00	0.00	92,928.73	23,232.18
235	1991.08.23 15:15:00	0:15:00	18.14	195.29	48.83	0.00	0.00	93,003.63	23,250.91
235	1991.08.23 15:30:00	0:15:00	7.46	80.26	20.06	0.00	0.00	93,118.66	23,279.67
235	1991.08.23 15:45:00	0:15:00	0.99	10.70	2.68	0.00	0.00	93,188.22	23,297.05
235	1991.08.23 16:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	1991.08.23 16:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	1991.08.23 16:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	1991.08.23 16:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	1991.08.23 17:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	1991.08.23 17:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	1991.08.23 17:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	1991.08.23 17:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
235	1991.08.23 18:00:00	0:15:00	1.99	21.40	5.35	0.00	0.00	93,177.52	23,294.38
235	1991.08.23 18:15:00	0:15:00	216.72	2,332.72	583.18	0.00	0.00	90,866.20	22,716.55
235	1991.08.23 18:30:00	0:15:00	516.94	5,564.27	1,391.07	0.00	0.00	87,634.64	21,908.66
235	1991.08.23 18:45:00	0:11:24	3,603.91	38,792.08	7,370.49	0.00	0.00	54,406.83	10,337.29
235	1991.08.23 18:52:48	0:03:36	6,670.50	71,800.54	4,308.04	0.00	0.00	21,398.37	1,283.91
242	1991.08.30 07:37:48	0:03:36	5,061.03	54,476.39	3,268.59	0.00	0.00	38,722.53	2,323.36
242	1991.08.30 07:45:00	0:11:24	4,093.51	44,062.10	8,371.80	0.00	0.00	49,136.82	9,335.99
242	1991.08.30 08:00:00	0:15:00	2,652.29	28,549.01	7,137.25	0.00	0.00	64,649.91	16,162.48
242	1991.08.30 08:15:00	0:15:00	1,690.74	18,198.92	4,549.73	0.00	0.00	74,999.99	18,750.00
242	1991.08.30 08:30:00	0:15:00	997.34	10,735.30	2,683.83	0.00	0.00	82,463.62	20,615.90



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
242	1991.08.30 08:45:00	0:15:00	647.66	6,971.39	1,742.85	0.00	0.00	86,227.53	21,556.88
242	1991.08.30 09:00:00	0:15:00	375.03	4,036.77	1,009.19	0.00	0.00	89,162.14	22,290.54
242	1991.08.30 09:15:00	0:15:00	170.49	1,835.14	458.79	0.00	0.00	91,363.78	22,840.94
242	1991.08.30 09:30:00	0:15:00	25.60	275.53	68.89	0.00	0.00	92,923.38	23,230.84
242	1991.08.30 09:45:00	0:15:00	44.74	481.52	120.38	0.00	0.00	92,717.39	23,179.35
242	1991.08.30 10:00:00	0:15:00	53.93	580.51	145.13	0.00	0.00	92,618.41	23,154.60
242	1991.08.30 10:15:00	0:15:00	71.33	767.77	191.94	0.00	0.00	92,431.15	23,107.79
242	1991.08.30 10:30:00	0:15:00	78.29	842.66	210.67	0.00	0.00	92,356.25	23,089.06
242	1991.08.30 10:45:00	0:15:00	88.23	949.67	237.42	0.00	0.00	92,249.24	23,062.31
242	1991.08.30 11:00:00	0:15:00	92.20	992.47	248.12	0.00	0.00	92,206.44	23,051.61
242	1991.08.30 11:15:00	0:15:00	103.89	1,118.21	279.55	0.00	0.00	92,080.71	23,020.18
242	1991.08.30 11:30:00	0:15:00	105.38	1,134.26	283.56	0.00	0.00	92,064.66	23,016.17
242	1991.08.30 11:45:00	0:15:00	112.58	1,211.83	302.96	0.00	0.00	91,987.08	22,996.77
242	1991.08.30 12:00:00	0:15:00	111.59	1,201.13	300.28	0.00	0.00	91,997.78	22,999.44
242	1991.08.30 12:15:00	0:15:00	117.80	1,268.01	317.01	0.00	0.00	91,930.91	22,982.72
242	1991.08.30 12:30:00	0:15:00	114.82	1,235.91	308.98	0.00	0.00	91,963.00	22,990.75
242	1991.08.30 12:45:00	0:15:00	119.79	1,289.42	322.36	0.00	0.00	91,909.50	22,977.37
242	1991.08.30 13:00:00	0:15:00	115.57	1,243.94	310.98	0.00	0.00	91,954.98	22,988.74
242	1991.08.30 13:15:00	0:15:00	118.80	1,278.71	319.68	0.00	0.00	91,920.21	22,980.05
242	1991.08.30 13:30:00	0:15:00	112.58	1,211.83	302.96	0.00	0.00	91,987.08	22,996.77
242	1991.08.30 13:45:00	0:15:00	114.57	1,233.23	308.31	0.00	0.00	91,965.67	22,991.42
242	1991.08.30 14:00:00	0:15:00	106.87	1,150.31	287.58	0.00	0.00	92,048.61	23,012.15
242	1991.08.30 14:15:00	0:15:00	106.37	1,144.96	286.24	0.00	0.00	92,053.96	23,013.49
242	1991.08.30 14:30:00	0:15:00	95.44	1,027.25	256.82	0.00	0.00	92,171.66	23,042.92
242	1991.08.30 14:45:00	0:15:00	92.20	992.47	248.12	0.00	0.00	92,206.44	23,051.61
242	1991.08.30 15:00:00	0:15:00	81.52	877.44	219.36	0.00	0.00	92,321.48	23,080.36
242	1991.08.30 15:15:00	0:15:00	75.30	810.56	202.64	0.00	0.00	92,388.35	23,097.09
242	1991.08.30 15:30:00	0:15:00	60.14	647.38	161.85	0.00	0.00	92,551.53	23,137.89
242	1991.08.30 15:45:00	0:15:00	49.46	532.35	133.08	0.00	0.00	92,666.57	23,166.64
242	1991.08.30 16:00:00	0:15:00	31.56	339.74	84.94	0.00	0.00	92,859.18	23,214.79
242	1991.08.30 16:15:00	0:15:00	16.90	181.91	45.48	0.00	0.00	93,017.01	23,254.25
242	1991.08.30 16:30:00	0:15:00	0.99	10.70	2.68	0.00	0.00	93,188.22	23,297.05
242	1991.08.30 16:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
242	1991.08.30 17:00:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
242	1991.08.30 17:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
242	1991.08.30 17:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
242	1991.08.30 17:45:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
242	1991.08.30 18:00:00	0:15:00	136.94	1,474.00	368.50	0.00	0.00	91,724.92	22,931.23
242	1991.08.30 18:15:00	0:15:00	407.34	4,384.55	1,096.13	0.00	0.00	88,814.37	22,203.59
242	1991.08.30 18:30:00	0:13:48	1,958.15	21,077.36	4,847.79	0.00	0.00	72,121.55	16,587.96
242	1991.08.30 18:42:36	0:06:36	6,573.07	70,751.89	7,782.71	0.00	0.00	22,447.03	2,469.17
249	1991.09.06 07:44:24	0:07:48	4,790.13	51,560.49	6,702.86	0.00	0.00	41,638.42	5,412.99
249	1991.09.06 08:00:00	0:15:00	3,007.69	32,374.44	8,093.61	0.00	0.00	60,824.47	15,206.12
249	1991.09.06 08:15:00	0:15:00	1,934.54	20,823.23	5,205.81	0.00	0.00	72,375.69	18,093.92
249	1991.09.06 08:30:00	0:15:00	1,189.21	12,800.51	3,200.13	0.00	0.00	80,398.41	20,099.60
249	1991.09.06 08:45:00	0:15:00	774.17	8,333.03	2,083.26	0.00	0.00	84,865.88	21,216.46
249	1991.09.06 09:00:00	0:15:00	511.72	5,508.09	1,377.03	0.00	0.00	87,690.82	21,922.71
249	1991.09.06 09:15:00	0:15:00	300.97	3,239.59	809.90	0.00	0.00	89,959.33	22,489.83
249	1991.09.06 09:30:00	0:15:00	127.99	1,377.69	344.42	0.00	0.00	91,821.22	22,955.31
249	1991.09.06 09:45:00	0:15:00	123.77	1,332.22	333.06	0.00	0.00	91,866.70	22,966.68
249	1991.09.06 10:00:00	0:15:00	130.97	1,409.79	352.45	0.00	0.00	91,789.12	22,947.28
249	1991.09.06 10:15:00	0:15:00	143.40	1,543.55	385.89	0.00	0.00	91,655.36	22,913.85
249	1991.09.06 10:30:00	0:15:00	148.87	1,602.40	400.60	0.00	0.00	91,596.52	22,899.13
249	1991.09.06 10:45:00	0:15:00	160.05	1,722.78	430.70	0.00	0.00	91,476.13	22,869.04
249	1991.09.06 11:00:00	0:15:00	161.54	1,738.83	434.71	0.00	0.00	91,460.08	22,865.02
249	1991.09.06 11:15:00	0:15:00	167.76	1,805.71	451.43	0.00	0.00	91,393.20	22,848.30
249	1991.09.06 11:30:00	0:15:00	167.76	1,805.71	451.43	0.00	0.00	91,393.20	22,848.30
249	1991.09.06 11:45:00	0:15:00	172.73	1,859.22	464.81	0.00	0.00	91,339.70	22,834.92
249	1991.09.06 12:00:00	0:15:00	170.74	1,837.82	459.46	0.00	0.00	91,361.10	22,840.27
249	1991.09.06 12:15:00	0:15:00	178.20	1,918.07	479.52	0.00	0.00	91,280.84	22,820.21
249	1991.09.06 12:30:00	0:15:00	173.47	1,867.25	466.81	0.00	0.00	91,331.67	22,832.92
249	1991.09.06 12:45:00	0:15:00	179.93	1,936.79	484.20	0.00	0.00	91,262.12	22,815.53
249	1991.09.06 13:00:00	0:15:00	173.72	1,869.92	467.48	0.00	0.00	91,329.00	22,832.24
249	1991.09.06 13:15:00	0:15:00	178.69	1,923.42	480.86	0.00	0.00	91,275.49	22,818.88



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
249	1991.09.06 13:30:00	0:15:00	171.24	1,843.17	460.79	0.00	0.00	91,355.75	22,838.94
249	1991.09.06 13:45:00	0:15:00	174.22	1,875.27	468.82	0.00	0.00	91,323.65	22,830.91
249	1991.09.06 14:00:00	0:15:00	167.51	1,803.04	450.76	0.00	0.00	91,395.88	22,848.97
249	1991.09.06 14:15:00	0:15:00	168.01	1,808.39	452.09	0.00	0.00	91,390.53	22,847.63
249	1991.09.06 14:30:00	0:15:00	160.55	1,728.13	432.03	0.00	0.00	91,470.78	22,867.69
249	1991.09.06 14:45:00	0:15:00	159.06	1,712.08	428.02	0.00	0.00	91,486.83	22,871.71
249	1991.09.06 15:00:00	0:15:00	149.86	1,613.10	403.28	0.00	0.00	91,585.82	22,896.45
249	1991.09.06 15:15:00	0:15:00	146.38	1,575.65	393.92	0.00	0.00	91,623.26	22,905.82
249	1991.09.06 15:30:00	0:15:00	129.98	1,399.09	349.77	0.00	0.00	91,799.82	22,949.96
249	1991.09.06 15:45:00	0:15:00	122.77	1,321.52	330.38	0.00	0.00	91,877.40	22,969.36
249	1991.09.06 16:00:00	0:15:00	109.10	1,174.38	293.60	0.00	0.00	92,024.53	23,006.14
249	1991.09.06 16:15:00	0:15:00	94.94	1,021.90	255.47	0.00	0.00	92,177.01	23,044.25
249	1991.09.06 16:30:00	0:15:00	73.32	789.17	197.29	0.00	0.00	92,409.75	23,102.44
249	1991.09.06 16:45:00	0:15:00	52.19	561.78	140.45	0.00	0.00	92,637.14	23,159.28
249	1991.09.06 17:00:00	0:15:00	21.87	235.41	58.86	0.00	0.00	92,963.50	23,240.87
249	1991.09.06 17:15:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
249	1991.09.06 17:30:00	0:15:00	0.00	0.00	0.00	0.00	0.00	93,198.92	23,299.73
249	1991.09.06 17:45:00	0:15:00	69.59	749.04	187.26	0.00	0.00	92,449.88	23,112.47
249	1991.09.06 18:00:00	0:15:00	317.87	3,421.49	855.37	0.00	0.00	89,777.42	22,444.36
249	1991.09.06 18:15:00	0:16:12	972.49	10,467.80	2,826.30	0.00	0.00	82,731.12	22,337.41
249	1991.09.06 18:31:48	0:08:24	6,451.54	69,443.74	9,722.13	0.00	0.00	23,755.17	3,325.72
256	1991.09.13 07:50:24	0:04:48	4,597.52	49,487.27	3,958.98	0.00	0.00	43,711.65	3,496.93
256	1991.09.13 08:00:00	0:12:36	3,511.95	37,802.29	7,938.48	0.00	0.00	55,396.63	11,633.29
256	1991.09.13 08:15:00	0:15:00	2,326.22	25,039.23	6,259.81	0.00	0.00	68,159.68	17,039.92
256	1991.09.13 08:30:00	0:15:00	1,506.08	16,211.29	4,052.82	0.00	0.00	76,987.62	19,246.91
256	1991.09.13 08:45:00	0:15:00	970.50	10,446.39	2,611.60	0.00	0.00	82,752.53	20,688.13
256	1991.09.13 09:00:00	0:15:00	683.20	7,353.94	1,838.48	0.00	0.00	85,844.98	21,461.25
256	1991.09.13 09:15:00	0:15:00	454.81	4,895.49	1,223.88	0.00	0.00	88,303.43	22,075.85
256	1991.09.13 09:30:00	0:15:00	266.42	2,867.74	716.94	0.00	0.00	90,331.18	22,582.79
256	1991.09.13 09:45:00	0:15:00	213.49	2,297.94	574.48	0.00	0.00	90,900.97	22,725.24
256	1991.09.13 10:00:00	0:15:00	216.22	2,327.36	581.84	0.00	0.00	90,871.55	22,717.89
256	1991.09.13 10:15:00	0:15:00	226.41	2,437.04	609.26	0.00	0.00	90,761.87	22,690.46
256	1991.09.13 10:30:00	0:15:00	228.65	2,461.12	615.28	0.00	0.00	90,737.79	22,684.45
256	1991.09.13 10:45:00	0:15:00	238.84	2,570.81	642.70	0.00	0.00	90,628.11	22,657.03
256	1991.09.13 11:00:00	0:15:00	238.59	2,568.13	642.03	0.00	0.00	90,630.79	22,657.70
256	1991.09.13 11:15:00	0:15:00	244.55	2,632.33	658.08	0.00	0.00	90,566.58	22,641.65
256	1991.09.13 11:30:00	0:15:00	242.56	2,610.92	652.73	0.00	0.00	90,587.99	22,647.00
256	1991.09.13 11:45:00	0:15:00	247.29	2,661.75	665.44	0.00	0.00	90,537.15	22,634.29
256	1991.09.13 12:00:00	0:15:00	245.05	2,637.68	659.42	0.00	0.00	90,561.23	22,640.31
256	1991.09.13 12:15:00	0:15:00	247.29	2,661.75	665.44	0.00	0.00	90,537.15	22,634.29
256	1991.09.13 12:30:00	0:15:00	246.29	2,651.05	662.77	0.00	0.00	90,547.86	22,636.97
256	1991.09.13 12:45:00	0:15:00	247.29	2,661.75	665.44	0.00	0.00	90,537.15	22,634.29
256	1991.09.13 13:00:00	0:15:00	245.30	2,640.35	660.09	0.00	0.00	90,558.56	22,639.64
256	1991.09.13 13:15:00	0:15:00	246.04	2,648.38	662.10	0.00	0.00	90,550.53	22,637.63
256	1991.09.13 13:30:00	0:15:00	243.81	2,624.30	656.08	0.00	0.00	90,574.61	22,643.65
256	1991.09.13 13:45:00	0:15:00	244.30	2,629.65	657.42	0.00	0.00	90,569.26	22,642.32
256	1991.09.13 14:00:00	0:15:00	241.07	2,594.87	648.72	0.00	0.00	90,604.04	22,651.01
256	1991.09.13 14:15:00	0:15:00	242.07	2,605.57	651.40	0.00	0.00	90,593.34	22,648.33
256	1991.09.13 14:30:00	0:15:00	236.35	2,544.05	636.02	0.00	0.00	90,654.87	22,663.71
256	1991.09.13 14:45:00	0:15:00	237.34	2,554.75	638.69	0.00	0.00	90,644.17	22,661.04
256	1991.09.13 15:00:00	0:15:00	227.90	2,453.09	613.27	0.00	0.00	90,745.82	22,686.46
256	1991.09.13 15:15:00	0:15:00	226.91	2,442.39	610.60	0.00	0.00	90,756.52	22,689.13
256	1991.09.13 15:30:00	0:15:00	214.73	2,311.31	577.83	0.00	0.00	90,887.61	22,721.90
256	1991.09.13 15:45:00	0:15:00	210.75	2,268.51	567.13	0.00	0.00	90,930.40	22,732.60
256	1991.09.13 16:00:00	0:15:00	199.07	2,142.78	535.70	0.00	0.00	91,056.14	22,764.03
256	1991.09.13 16:15:00	0:15:00	193.11	2,078.57	519.65	0.00	0.00	91,120.34	22,780.08
256	1991.09.13 16:30:00	0:15:00	176.46	1,899.34	474.84	0.00	0.00	91,299.57	22,824.89
256	1991.09.13 16:45:00	0:15:00	161.79	1,741.51	435.38	0.00	0.00	91,457.40	22,864.35
256	1991.09.13 17:00:00	0:15:00	139.18	1,498.08	374.52	0.00	0.00	91,700.84	22,925.21
256	1991.09.13 17:15:00	0:15:00	113.08	1,217.18	304.30	0.00	0.00	91,981.73	22,995.44
256	1991.09.13 17:30:00	0:15:00	85.99	925.60	231.40	0.00	0.00	92,273.32	23,068.33
256	1991.09.13 17:45:00	0:15:00	260.71	2,806.21	701.55	0.00	0.00	90,392.70	22,598.17
256	1991.09.13 18:00:00	0:15:00	573.85	6,176.87	1,544.22	0.00	0.00	87,022.04	21,755.51
256	1991.09.13 18:15:00	0:10:48	4,062.19	43,725.03	7,870.51	0.00	0.00	49,473.89	8,905.30



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
256	1991.09.13 18:21:00	0:03:00	6,755.24	72,712.76	3,635.64	0.00	0.00	20,486.16	1,024.30
263	1991.09.20 07:57:00	0:01:12	4,532.66	48,789.06	975.78	0.00	0.00	44,409.86	888.19
263	1991.09.20 08:00:00	0:09:00	4,159.37	44,771.01	6,715.65	0.00	0.00	48,427.91	7,264.19
263	1991.09.20 08:15:00	0:15:00	2,790.47	30,036.38	7,509.09	0.00	0.00	63,162.53	15,790.63
263	1991.09.20 08:30:00	0:15:00	1,857.50	19,993.93	4,998.49	0.00	0.00	73,204.98	18,301.25
263	1991.09.20 08:45:00	0:15:00	1,195.17	12,864.71	3,216.18	0.00	0.00	80,334.20	20,083.55
263	1991.09.20 09:00:00	0:15:00	869.85	9,362.96	2,340.74	0.00	0.00	83,835.96	20,958.99
263	1991.09.20 09:15:00	0:15:00	621.82	6,693.18	1,673.29	0.00	0.00	86,505.74	21,626.43
263	1991.09.20 09:30:00	0:15:00	418.52	4,504.92	1,126.23	0.00	0.00	88,694.00	22,173.49
263	1991.09.20 09:45:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 10:00:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 10:15:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 10:30:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 10:45:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 11:00:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 11:15:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 11:30:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 11:45:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 12:00:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 12:15:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 12:30:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 12:45:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 13:00:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 13:15:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 13:30:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 13:45:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 14:00:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 14:15:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 14:30:00	0:15:00	314.14	3,381.37	845.34	0.00	0.00	89,817.54	22,454.39
263	1991.09.20 14:45:00	0:15:00	314.89	3,389.39	847.34	0.00	0.00	89,809.53	22,452.38
263	1991.09.20 15:00:00	0:15:00	312.15	3,359.96	839.99	0.00	0.00	89,838.95	22,459.74
263	1991.09.20 15:15:00	0:15:00	312.65	3,365.31	841.33	0.00	0.00	89,833.60	22,458.40
263	1991.09.20 15:30:00	0:15:00	309.92	3,335.89	833.98	0.00	0.00	89,863.02	22,465.76
263	1991.09.20 15:45:00	0:15:00	310.16	3,338.56	834.64	0.00	0.00	89,860.35	22,465.09
263	1991.09.20 16:00:00	0:15:00	307.18	3,306.47	826.61	0.00	0.00	89,892.45	22,473.12
263	1991.09.20 16:15:00	0:15:00	306.93	3,303.79	825.95	0.00	0.00	89,895.13	22,473.79
263	1991.09.20 16:30:00	0:15:00	302.21	3,252.96	813.24	0.00	0.00	89,945.96	22,486.49
263	1991.09.20 16:45:00	0:15:00	299.48	3,223.53	805.88	0.00	0.00	89,975.39	22,493.85
263	1991.09.20 17:00:00	0:15:00	292.52	3,148.63	787.15	0.00	0.00	90,050.28	22,512.57
263	1991.09.20 17:15:00	0:15:00	285.56	3,073.73	768.43	0.00	0.00	90,125.19	22,531.30
263	1991.09.20 17:30:00	0:15:00	430.20	4,630.65	1,157.67	0.00	0.00	88,568.26	22,142.06
263	1991.09.20 17:45:00	0:15:00	696.38	7,495.72	1,873.93	0.00	0.00	85,703.19	21,425.80
263	1991.09.20 18:00:00	0:12:36	2,515.85	27,080.36	5,686.88	0.00	0.00	66,118.56	13,884.89
263	1991.09.20 18:09:36	0:04:48	6,079.99	65,444.43	5,235.55	0.00	0.00	27,754.49	2,220.36
270	1991.09.27 08:03:00	0:06:00	4,487.18	48,299.50	4,829.96	0.00	0.00	44,899.41	4,489.95
270	1991.09.27 08:15:00	0:13:12	3,299.21	35,512.38	7,812.72	0.00	0.00	57,686.54	12,691.04
270	1991.09.27 08:30:00	0:15:00	2,251.17	24,231.35	6,057.84	0.00	0.00	68,967.57	17,241.89
270	1991.09.27 08:45:00	0:15:00	1,497.63	16,120.34	4,030.09	0.00	0.00	77,078.58	19,269.64
270	1991.09.27 09:00:00	0:15:00	1,080.85	11,634.15	2,908.53	0.00	0.00	81,564.77	20,391.20
270	1991.09.27 09:15:00	0:15:00	801.26	8,624.63	2,156.16	0.00	0.00	84,574.29	21,143.57
270	1991.09.27 09:30:00	0:15:00	577.83	6,219.68	1,554.92	0.00	0.00	86,979.23	21,744.81
270	1991.09.27 09:45:00	0:15:00	429.21	4,619.95	1,154.99	0.00	0.00	88,578.96	22,144.74
270	1991.09.27 10:00:00	0:15:00	421.26	4,534.35	1,133.59	0.00	0.00	88,664.57	22,166.14
270	1991.09.27 10:15:00	0:15:00	418.52	4,504.92	1,126.23	0.00	0.00	88,694.00	22,173.49
270	1991.09.27 10:30:00	0:15:00	408.08	4,392.56	1,098.14	0.00	0.00	88,806.35	22,201.59
270	1991.09.27 10:45:00	0:15:00	408.58	4,397.91	1,099.48	0.00	0.00	88,801.00	22,200.25
270	1991.09.27 11:00:00	0:15:00	404.36	4,352.44	1,088.11	0.00	0.00	88,846.48	22,211.62
270	1991.09.27 11:15:00	0:15:00	406.10	4,371.17	1,092.79	0.00	0.00	88,827.75	22,206.94
270	1991.09.27 11:30:00	0:15:00	402.37	4,331.04	1,082.76	0.00	0.00	88,867.88	22,216.97
270	1991.09.27 11:45:00	0:15:00	404.36	4,352.44	1,088.11	0.00	0.00	88,846.48	22,211.62
270	1991.09.27 12:00:00	0:15:00	400.38	4,309.64	1,077.41	0.00	0.00	88,889.28	22,222.32
270	1991.09.27 12:15:00	0:15:00	403.61	4,344.42	1,086.10	0.00	0.00	88,854.50	22,213.62
270	1991.09.27 12:30:00	0:15:00	400.38	4,309.64	1,077.41	0.00	0.00	88,889.28	22,222.32
270	1991.09.27 12:45:00	0:15:00	404.11	4,349.77	1,087.44	0.00	0.00	88,849.15	22,212.29



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
270	1991.09.27 13:00:00	0:15:00	400.88	4,314.99	1,078.75	0.00	0.00	88,883.93	22,220.98
270	1991.09.27 13:15:00	0:15:00	404.85	4,357.79	1,089.45	0.00	0.00	88,841.13	22,210.29
270	1991.09.27 13:30:00	0:15:00	402.37	4,331.04	1,082.76	0.00	0.00	88,867.88	22,216.97
270	1991.09.27 13:45:00	0:15:00	407.09	4,381.87	1,095.46	0.00	0.00	88,817.05	22,204.26
270	1991.09.27 14:00:00	0:15:00	405.10	4,360.47	1,090.11	0.00	0.00	88,838.45	22,209.62
270	1991.09.27 14:15:00	0:15:00	410.32	4,416.64	1,104.16	0.00	0.00	88,782.27	22,195.57
270	1991.09.27 14:30:00	0:15:00	408.83	4,400.59	1,100.15	0.00	0.00	88,798.32	22,199.59
270	1991.09.27 14:45:00	0:15:00	414.30	4,459.44	1,114.86	0.00	0.00	88,739.48	22,184.87
270	1991.09.27 15:00:00	0:15:00	414.05	4,456.77	1,114.19	0.00	0.00	88,742.14	22,185.54
270	1991.09.27 15:15:00	0:15:00	417.03	4,488.87	1,122.22	0.00	0.00	88,710.05	22,177.51
270	1991.09.27 15:30:00	0:15:00	417.03	4,488.87	1,122.22	0.00	0.00	88,710.05	22,177.51
270	1991.09.27 15:45:00	0:15:00	431.20	4,641.35	1,160.34	0.00	0.00	88,557.57	22,139.39
270	1991.09.27 16:00:00	0:15:00	435.92	4,692.18	1,173.05	0.00	0.00	88,506.74	22,126.68
270	1991.09.27 16:15:00	0:15:00	447.10	4,812.56	1,203.15	0.00	0.00	88,386.35	22,096.59
270	1991.09.27 16:30:00	0:15:00	448.84	4,831.29	1,207.82	0.00	0.00	88,367.63	22,091.90
270	1991.09.27 16:45:00	0:15:00	472.45	5,085.43	1,271.36	0.00	0.00	88,113.49	22,028.38
270	1991.09.27 17:00:00	0:15:00	478.42	5,149.63	1,287.41	0.00	0.00	88,049.28	22,012.33
270	1991.09.27 17:15:00	0:15:00	607.15	6,535.34	1,633.84	0.00	0.00	86,663.57	21,665.89
270	1991.09.27 17:30:00	0:15:00	883.77	9,512.77	2,378.19	0.00	0.00	83,686.15	20,921.53
270	1991.09.27 17:45:00	0:13:48	1,764.80	18,996.11	4,369.11	0.00	0.00	74,202.81	17,066.65
270	1991.09.27 17:58:11	0:06:36	5,851.59	62,985.97	6,928.45	0.00	0.00	30,212.94	3,323.42
277	1991.10.04 08:09:36	0:02:24	4,461.08	48,018.62	1,920.74	0.00	0.00	45,180.30	1,807.22
277	1991.10.04 08:15:00	0:10:12	3,901.89	41,999.56	7,139.93	0.00	0.00	51,199.35	8,703.89
277	1991.10.04 08:30:00	0:15:00	2,691.81	28,974.35	7,243.59	0.00	0.00	64,224.56	16,056.14
277	1991.10.04 08:45:00	0:15:00	1,851.53	19,929.73	4,982.44	0.00	0.00	73,269.19	18,317.29
277	1991.10.04 09:00:00	0:15:00	1,292.84	13,916.03	3,479.01	0.00	0.00	79,282.88	19,820.72
277	1991.10.04 09:15:00	0:15:00	997.34	10,735.30	2,683.83	0.00	0.00	82,463.62	20,615.90
277	1991.10.04 09:30:00	0:15:00	755.28	8,129.73	2,032.43	0.00	0.00	85,069.19	21,267.30
277	1991.10.04 09:45:00	0:15:00	565.90	6,091.28	1,522.82	0.00	0.00	87,107.64	21,776.91
277	1991.10.04 10:00:00	0:15:00	532.84	5,735.48	1,433.87	0.00	0.00	87,463.44	21,865.86
277	1991.10.04 10:15:00	0:15:00	525.64	5,657.90	1,414.47	0.00	0.00	87,541.01	21,885.25
277	1991.10.04 10:30:00	0:15:00	515.94	5,553.57	1,388.39	0.00	0.00	87,645.35	21,911.34
277	1991.10.04 10:45:00	0:15:00	511.47	5,505.42	1,376.36	0.00	0.00	87,693.49	21,923.37
277	1991.10.04 11:00:00	0:15:00	499.04	5,371.66	1,342.91	0.00	0.00	87,827.26	21,956.82
277	1991.10.04 11:15:00	0:15:00	498.55	5,366.31	1,341.58	0.00	0.00	87,832.61	21,958.15
277	1991.10.04 11:30:00	0:15:00	492.09	5,296.76	1,324.19	0.00	0.00	87,902.15	21,975.54
277	1991.10.04 11:45:00	0:15:00	493.83	5,315.48	1,328.87	0.00	0.00	87,883.43	21,970.85
277	1991.10.04 12:00:00	0:15:00	487.12	5,243.26	1,310.82	0.00	0.00	87,955.66	21,988.91
277	1991.10.04 12:15:00	0:15:00	490.10	5,275.36	1,318.84	0.00	0.00	87,923.56	21,980.88
277	1991.10.04 12:30:00	0:15:00	483.88	5,208.48	1,302.12	0.00	0.00	87,990.44	21,997.61
277	1991.10.04 12:45:00	0:15:00	489.10	5,264.66	1,316.17	0.00	0.00	87,934.26	21,983.57
277	1991.10.04 13:00:00	0:15:00	485.62	5,227.21	1,306.80	0.00	0.00	87,971.71	21,992.93
277	1991.10.04 13:15:00	0:15:00	492.58	5,302.11	1,325.53	0.00	0.00	87,896.80	21,974.20
277	1991.10.04 13:30:00	0:15:00	489.35	5,267.34	1,316.83	0.00	0.00	87,931.58	21,982.90
277	1991.10.04 13:45:00	0:15:00	498.05	5,360.96	1,340.25	0.00	0.00	87,837.96	21,959.49
277	1991.10.04 14:00:00	0:15:00	497.55	5,355.61	1,338.90	0.00	0.00	87,843.31	21,960.82
277	1991.10.04 14:15:00	0:15:00	506.75	5,454.60	1,363.65	0.00	0.00	87,744.32	21,936.09
277	1991.10.04 14:30:00	0:15:00	507.74	5,465.29	1,366.33	0.00	0.00	87,733.62	21,933.41
277	1991.10.04 14:45:00	0:15:00	513.96	5,532.17	1,383.04	0.00	0.00	87,666.75	21,916.69
277	1991.10.04 15:00:00	0:15:00	518.93	5,585.68	1,396.42	0.00	0.00	87,613.24	21,903.31
277	1991.10.04 15:15:00	0:15:00	540.05	5,813.07	1,453.27	0.00	0.00	87,385.85	21,846.47
277	1991.10.04 15:30:00	0:15:00	545.52	5,871.91	1,467.98	0.00	0.00	87,327.00	21,831.75
277	1991.10.04 15:45:00	0:15:00	566.89	6,101.98	1,525.49	0.00	0.00	87,096.94	21,774.24
277	1991.10.04 16:00:00	0:15:00	580.56	6,249.11	1,562.27	0.00	0.00	86,949.80	21,737.45
277	1991.10.04 16:15:00	0:15:00	610.88	6,575.47	1,643.87	0.00	0.00	86,623.44	21,655.86
277	1991.10.04 16:30:00	0:15:00	634.74	6,832.29	1,708.07	0.00	0.00	86,366.63	21,591.66
277	1991.10.04 16:45:00	0:15:00	679.23	7,311.13	1,827.79	0.00	0.00	85,887.78	21,471.95
277	1991.10.04 17:00:00	0:15:00	759.75	8,177.87	2,044.47	0.00	0.00	85,021.04	21,255.26
277	1991.10.04 17:15:00	0:15:00	1,061.96	11,430.84	2,857.71	0.00	0.00	81,768.07	20,442.02
277	1991.10.04 17:30:00	0:16:12	1,517.26	16,331.68	4,409.55	0.00	0.00	76,867.24	20,754.16
277	1991.10.04 17:47:23	0:08:24	5,973.62	64,299.47	9,001.92	0.00	0.00	28,899.45	4,045.92
284	1991.10.11 08:16:11	0:07:12	4,431.75	47,702.95	5,724.35	0.00	0.00	45,495.97	5,459.51
284	1991.10.11 08:30:00	0:14:24	3,186.63	34,300.53	8,232.13	0.00	0.00	58,898.37	14,135.61
284	1991.10.11 08:45:00	0:15:00	2,245.20	24,167.14	6,041.79	0.00	0.00	69,031.78	17,257.94



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
284	1991.10.11 09:00:00	0:15:00	1,542.12	16,599.19	4,149.80	0.00	0.00	76,599.72	19,149.94
284	1991.10.11 09:15:00	0:15:00	1,213.56	13,062.67	3,265.67	0.00	0.00	80,136.25	20,034.06
284	1991.10.11 09:30:00	0:15:00	949.13	10,216.33	2,554.08	0.00	0.00	82,982.59	20,745.65
284	1991.10.11 09:45:00	0:15:00	741.61	7,982.59	1,995.65	0.00	0.00	85,216.32	21,304.08
284	1991.10.11 10:00:00	0:15:00	656.86	7,070.38	1,767.59	0.00	0.00	86,128.54	21,532.14
284	1991.10.11 10:15:00	0:15:00	642.45	6,915.21	1,728.80	0.00	0.00	86,283.70	21,570.92
284	1991.10.11 10:30:00	0:15:00	623.56	6,711.91	1,677.97	0.00	0.00	86,487.01	21,621.75
284	1991.10.11 10:45:00	0:15:00	615.60	6,626.30	1,656.57	0.00	0.00	86,572.62	21,643.16
284	1991.10.11 11:00:00	0:15:00	603.43	6,495.22	1,623.81	0.00	0.00	86,703.70	21,675.92
284	1991.10.11 11:15:00	0:15:00	599.45	6,452.42	1,613.10	0.00	0.00	86,746.50	21,686.62
284	1991.10.11 11:30:00	0:15:00	587.77	6,326.69	1,581.67	0.00	0.00	86,872.23	21,718.05
284	1991.10.11 11:45:00	0:15:00	587.52	6,324.01	1,581.00	0.00	0.00	86,874.90	21,718.73
284	1991.10.11 12:00:00	0:15:00	580.07	6,243.76	1,560.94	0.00	0.00	86,955.15	21,738.79
284	1991.10.11 12:15:00	0:15:00	582.30	6,267.83	1,566.95	0.00	0.00	86,931.09	21,732.77
284	1991.10.11 12:30:00	0:15:00	577.33	6,214.33	1,553.59	0.00	0.00	86,984.58	21,746.15
284	1991.10.11 12:45:00	0:15:00	581.80	6,262.48	1,565.62	0.00	0.00	86,936.44	21,734.11
284	1991.10.11 13:00:00	0:15:00	578.82	6,230.38	1,557.59	0.00	0.00	86,968.53	21,742.13
284	1991.10.11 13:15:00	0:15:00	586.28	6,310.64	1,577.65	0.00	0.00	86,888.28	21,722.07
284	1991.10.11 13:30:00	0:15:00	586.03	6,307.96	1,576.99	0.00	0.00	86,890.96	21,722.73
284	1991.10.11 13:45:00	0:15:00	595.23	6,406.94	1,601.73	0.00	0.00	86,791.97	21,698.00
284	1991.10.11 14:00:00	0:15:00	596.22	6,417.64	1,604.41	0.00	0.00	86,781.27	21,695.32
284	1991.10.11 14:15:00	0:15:00	607.15	6,535.34	1,633.84	0.00	0.00	86,663.57	21,665.89
284	1991.10.11 14:30:00	0:15:00	617.34	6,645.03	1,661.26	0.00	0.00	86,553.89	21,638.47
284	1991.10.11 14:45:00	0:15:00	633.00	6,813.56	1,703.39	0.00	0.00	86,385.36	21,596.33
284	1991.10.11 15:00:00	0:15:00	639.21	6,880.44	1,720.11	0.00	0.00	86,318.48	21,579.62
284	1991.10.11 15:15:00	0:15:00	667.80	7,188.08	1,797.02	0.00	0.00	86,010.84	21,502.71
284	1991.10.11 15:30:00	0:15:00	681.46	7,335.21	1,833.80	0.00	0.00	85,863.71	21,465.93
284	1991.10.11 15:45:00	0:15:00	711.29	7,656.22	1,914.06	0.00	0.00	85,542.68	21,385.67
284	1991.10.11 16:00:00	0:15:00	744.34	8,012.02	2,003.00	0.00	0.00	85,186.89	21,296.72
284	1991.10.11 16:15:00	0:15:00	801.26	8,624.63	2,156.16	0.00	0.00	84,574.29	21,143.57
284	1991.10.11 16:30:00	0:15:00	847.98	9,127.55	2,281.88	0.00	0.00	84,071.37	21,017.84
284	1991.10.11 16:45:00	0:15:00	923.28	9,938.12	2,484.52	0.00	0.00	83,260.80	20,815.20
284	1991.10.11 17:00:00	0:15:00	1,188.21	12,789.81	3,197.45	72.23	18.06	80,336.88	20,084.22
284	1991.10.11 17:15:00	0:15:00	1,548.83	16,671.42	4,167.86	232.74	58.18	76,294.76	19,073.68
284	1991.10.11 17:30:00	0:11:24	3,558.43	38,302.54	7,277.48	751.71	142.83	54,144.67	10,287.49
284	1991.10.11 17:37:12	0:03:36	6,048.43	65,104.68	3,906.28	936.30	56.18	27,157.93	1,629.47
291	1991.10.18 08:22:48	0:03:36	4,366.39	46,999.39	2,819.96	0.00	0.00	46,199.53	2,771.97
291	1991.10.18 08:30:00	0:10:48	3,731.90	40,169.78	7,230.56	0.00	0.00	53,029.14	9,545.24
291	1991.10.18 08:45:00	0:15:00	2,680.13	28,848.62	7,212.16	0.00	0.00	64,350.30	16,087.57
291	1991.10.18 09:00:00	0:15:00	1,897.02	20,419.28	5,104.82	0.00	0.00	72,779.64	18,194.91
291	1991.10.18 09:15:00	0:15:00	1,444.69	15,550.54	3,887.63	0.00	0.00	77,648.37	19,412.09
291	1991.10.18 09:30:00	0:15:00	1,153.67	12,417.97	3,104.49	0.00	0.00	80,780.95	20,195.24
291	1991.10.18 09:45:00	0:15:00	928.50	9,994.29	2,498.57	0.00	0.00	83,204.62	20,801.15
291	1991.10.18 10:00:00	0:15:00	788.83	8,490.87	2,122.72	0.00	0.00	84,708.05	21,177.02
291	1991.10.18 10:15:00	0:15:00	767.21	8,258.13	2,064.54	0.00	0.00	84,940.79	21,235.19
291	1991.10.18 10:30:00	0:15:00	741.86	7,985.26	1,996.32	0.00	0.00	85,213.65	21,303.42
291	1991.10.18 10:45:00	0:15:00	728.93	7,846.16	1,961.54	0.00	0.00	85,352.75	21,338.18
291	1991.10.18 11:00:00	0:15:00	709.05	7,632.15	1,908.04	0.00	0.00	85,566.76	21,391.69
291	1991.10.18 11:15:00	0:15:00	702.59	7,562.60	1,890.65	0.00	0.00	85,636.32	21,409.07
291	1991.10.18 11:30:00	0:15:00	690.41	7,431.51	1,857.88	0.00	0.00	85,767.40	21,441.85
291	1991.10.18 11:45:00	0:15:00	688.17	7,407.44	1,851.86	0.00	0.00	85,791.48	21,447.87
291	1991.10.18 12:00:00	0:15:00	676.99	7,287.06	1,821.77	0.00	0.00	85,911.85	21,477.96
291	1991.10.18 12:15:00	0:15:00	679.48	7,313.81	1,828.45	0.00	0.00	85,885.10	21,471.28
291	1991.10.18 12:30:00	0:15:00	673.26	7,246.94	1,811.74	0.00	0.00	85,951.98	21,488.00
291	1991.10.18 12:45:00	0:15:00	679.48	7,313.81	1,828.45	0.00	0.00	85,885.10	21,471.28
291	1991.10.18 13:00:00	0:15:00	677.24	7,289.73	1,822.44	0.00	0.00	85,909.18	21,477.30
291	1991.10.18 13:15:00	0:15:00	684.94	7,372.66	1,843.17	0.00	0.00	85,826.25	21,456.56
291	1991.10.18 13:30:00	0:15:00	685.94	7,383.37	1,845.84	0.00	0.00	85,815.55	21,453.88
291	1991.10.18 13:45:00	0:15:00	701.10	7,546.55	1,886.63	0.00	0.00	85,652.37	21,413.09
291	1991.10.18 14:00:00	0:15:00	706.81	7,608.08	1,902.01	0.00	0.00	85,590.84	21,397.71
291	1991.10.18 14:15:00	0:15:00	722.22	7,773.94	1,943.49	0.00	0.00	85,424.98	21,356.24
291	1991.10.18 14:30:00	0:15:00	729.43	7,851.51	1,962.88	0.00	0.00	85,347.40	21,336.85
291	1991.10.18 14:45:00	0:15:00	757.51	8,153.80	2,038.45	0.00	0.00	85,045.11	21,261.28



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
291	1991.10.18 15:00:00	0:15:00	773.17	8,322.34	2,080.59	0.00	0.00	84,876.58	21,219.15
291	1991.10.18 15:15:00	0:15:00	806.47	8,680.81	2,170.20	0.00	0.00	84,518.11	21,129.52
291	1991.10.18 15:30:00	0:15:00	835.05	8,988.44	2,247.11	0.00	0.00	84,210.47	21,052.62
291	1991.10.18 15:45:00	0:15:00	890.97	9,590.34	2,397.58	0.00	0.00	83,608.57	20,902.14
291	1991.10.18 16:00:00	0:15:00	933.97	10,053.15	2,513.28	0.00	0.00	83,145.77	20,786.45
291	1991.10.18 16:15:00	0:15:00	988.40	10,639.00	2,659.75	21.40	5.35	82,538.51	20,634.63
291	1991.10.18 16:30:00	0:15:00	1,050.03	11,302.43	2,825.61	107.00	26.75	81,789.48	20,447.37
291	1991.10.18 16:45:00	0:15:00	1,213.31	13,059.99	3,265.00	379.87	94.97	79,759.06	19,939.76
291	1991.10.18 17:00:00	0:15:00	1,516.27	16,320.98	4,080.25	987.12	246.78	75,890.81	18,972.71
291	1991.10.18 17:15:00	0:13:12	2,288.70	24,635.28	5,419.76	2,033.10	447.28	66,530.52	14,636.72
291	1991.10.18 17:27:00	0:06:00	5,985.30	64,425.20	6,442.52	2,327.36	232.74	26,446.35	2,644.64
298	1991.10.25 07:30:00	0:07:48	4,291.34	46,191.50	6,004.90	0.00	0.00	47,007.42	6,110.97
298	1991.10.25 07:45:00	0:15:00	3,141.15	33,810.99	8,452.75	0.00	0.00	59,387.92	14,846.98
298	1991.10.25 08:00:00	0:15:00	2,275.52	24,493.50	6,123.38	0.00	0.00	68,705.41	17,176.35
298	1991.10.25 08:15:00	0:15:00	1,694.47	18,239.05	4,559.76	0.00	0.00	74,959.86	18,739.97
298	1991.10.25 08:30:00	0:15:00	1,374.36	14,793.47	3,698.37	0.00	0.00	78,405.43	19,601.36
298	1991.10.25 08:45:00	0:15:00	1,127.57	12,137.07	3,034.27	0.00	0.00	81,061.84	20,265.46
298	1991.10.25 09:00:00	0:15:00	928.25	9,991.62	2,497.90	0.00	0.00	83,207.29	20,801.83
298	1991.10.25 09:15:00	0:15:00	898.43	9,670.60	2,417.65	0.00	0.00	83,528.32	20,882.07
298	1991.10.25 09:30:00	0:15:00	864.63	9,306.78	2,326.69	0.00	0.00	83,892.14	20,973.03
298	1991.10.25 09:45:00	0:15:00	845.99	9,106.15	2,276.53	0.00	0.00	84,092.76	21,023.19
298	1991.10.25 10:00:00	0:15:00	822.88	8,857.37	2,214.34	0.00	0.00	84,341.55	21,085.39
298	1991.10.25 10:15:00	0:15:00	813.18	8,753.03	2,188.26	0.00	0.00	84,445.88	21,111.47
298	1991.10.25 10:30:00	0:15:00	794.79	8,555.07	2,138.77	0.00	0.00	84,643.84	21,160.97
298	1991.10.25 10:45:00	0:15:00	791.56	8,520.29	2,130.08	0.00	0.00	84,678.62	21,169.65
298	1991.10.25 11:00:00	0:15:00	779.88	8,394.56	2,098.64	0.00	0.00	84,804.35	21,201.08
298	1991.10.25 11:15:00	0:15:00	782.12	8,418.64	2,104.65	0.00	0.00	84,780.28	21,195.07
298	1991.10.25 11:30:00	0:15:00	774.91	8,341.06	2,085.27	0.00	0.00	84,857.85	21,214.46
298	1991.10.25 11:45:00	0:15:00	782.12	8,418.64	2,104.65	0.00	0.00	84,780.28	21,195.07
298	1991.10.25 12:00:00	0:15:00	777.15	8,365.13	2,091.29	0.00	0.00	84,833.78	21,208.45
298	1991.10.25 12:15:00	0:15:00	791.07	8,514.94	2,128.73	0.00	0.00	84,683.97	21,170.99
298	1991.10.25 12:30:00	0:15:00	794.54	8,552.39	2,138.10	0.00	0.00	84,646.52	21,161.63
298	1991.10.25 12:45:00	0:15:00	808.71	8,704.87	2,176.22	0.00	0.00	84,494.03	21,123.51
298	1991.10.25 13:00:00	0:15:00	814.92	8,771.76	2,192.94	0.00	0.00	84,427.16	21,106.79
298	1991.10.25 13:15:00	0:15:00	841.02	9,052.64	2,263.16	0.00	0.00	84,146.27	21,036.57
298	1991.10.25 13:30:00	0:15:00	853.45	9,186.41	2,296.60	0.00	0.00	84,012.51	21,003.12
298	1991.10.25 13:45:00	0:15:00	886.50	9,542.20	2,385.55	0.00	0.00	83,656.72	20,914.18
298	1991.10.25 14:00:00	0:15:00	912.60	9,823.08	2,455.77	0.00	0.00	83,375.83	20,843.96
298	1991.10.25 14:15:00	0:15:00	946.89	10,192.25	2,548.06	0.00	0.00	83,006.67	20,751.67
298	1991.10.25 14:30:00	0:15:00	982.18	10,572.12	2,643.03	0.00	0.00	82,626.80	20,656.70
298	1991.10.25 14:45:00	0:15:00	1,029.40	11,080.39	2,770.10	0.00	0.00	82,118.53	20,529.63
298	1991.10.25 15:00:00	0:15:00	1,076.13	11,583.32	2,895.83	80.26	20.06	81,535.34	20,383.83
298	1991.10.25 15:15:00	0:15:00	1,137.51	12,244.08	3,061.02	312.99	78.24	80,641.85	20,160.46
298	1991.10.25 15:30:00	0:15:00	1,210.33	13,027.89	3,256.97	668.78	167.20	79,502.24	19,875.56
298	1991.10.25 15:45:00	0:15:00	1,505.58	16,205.94	4,051.49	1,535.52	383.88	75,457.45	18,864.36
298	1991.10.25 16:00:00	0:15:00	1,957.16	21,066.66	5,266.67	2,854.36	713.59	69,277.89	17,319.47
298	1991.10.25 16:15:00	0:09:00	4,844.31	52,143.67	7,821.54	4,122.38	618.35	36,932.87	5,539.93
298	1991.10.25 16:18:00	0:01:48	5,915.96	63,678.83	1,910.37	4,010.03	120.30	25,510.06	765.30
305	1991.11.01 07:36:35	0:04:12	4,328.37	46,590.10	3,261.31	0.00	0.00	46,608.82	3,262.61
305	1991.11.01 07:45:00	0:11:24	3,580.05	38,535.27	7,321.70	0.00	0.00	54,663.64	10,386.09
305	1991.11.01 08:00:00	0:15:00	2,660.00	28,631.93	7,157.98	0.00	0.00	64,566.99	16,141.75
305	1991.11.01 08:15:00	0:15:00	1,972.07	21,227.18	5,306.80	0.00	0.00	71,971.74	17,992.94
305	1991.11.01 08:30:00	0:15:00	1,605.49	17,281.36	4,320.34	0.00	0.00	75,917.56	18,979.39
305	1991.11.01 08:45:00	0:15:00	1,337.83	14,400.24	3,600.06	0.00	0.00	78,798.68	19,699.67
305	1991.11.01 09:00:00	0:15:00	1,110.67	11,955.16	2,988.79	0.00	0.00	81,243.75	20,310.94
305	1991.11.01 09:15:00	0:15:00	1,035.62	11,147.28	2,786.82	0.00	0.00	82,051.64	20,512.91
305	1991.11.01 09:30:00	0:15:00	991.13	10,668.42	2,667.11	0.00	0.00	82,530.49	20,632.62
305	1991.11.01 09:45:00	0:15:00	967.27	10,411.61	2,602.90	0.00	0.00	82,787.31	20,696.83
305	1991.11.01 10:00:00	0:15:00	938.69	10,103.98	2,526.00	0.00	0.00	83,094.94	20,773.73
305	1991.11.01 10:15:00	0:15:00	924.28	9,948.81	2,487.20	0.00	0.00	83,250.10	20,812.53
305	1991.11.01 10:30:00	0:15:00	904.39	9,734.81	2,433.70	0.00	0.00	83,464.11	20,866.02



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
305	1991.11.01 10:45:00	0:15:00	898.43	9,670.60	2,417.65	0.00	0.00	83,528.32	20,882.07
305	1991.11.01 11:00:00	0:15:00	883.27	9,507.42	2,376.85	0.00	0.00	83,691.50	20,922.88
305	1991.11.01 11:15:00	0:15:00	884.76	9,523.47	2,380.87	0.00	0.00	83,675.45	20,918.86
305	1991.11.01 11:30:00	0:15:00	877.80	9,448.56	2,362.14	0.00	0.00	83,750.35	20,937.58
305	1991.11.01 11:45:00	0:15:00	884.76	9,523.47	2,380.87	0.00	0.00	83,675.45	20,918.86
305	1991.11.01 12:00:00	0:15:00	883.02	9,504.74	2,376.18	0.00	0.00	83,694.18	20,923.55
305	1991.11.01 12:15:00	0:15:00	894.45	9,627.80	2,406.95	0.00	0.00	83,571.11	20,892.78
305	1991.11.01 12:30:00	0:15:00	897.19	9,657.22	2,414.31	0.00	0.00	83,541.68	20,885.42
305	1991.11.01 12:45:00	0:15:00	917.07	9,871.24	2,467.81	0.00	0.00	83,327.68	20,831.92
305	1991.11.01 13:00:00	0:15:00	925.02	9,956.84	2,489.21	0.00	0.00	83,242.07	20,810.52
305	1991.11.01 13:15:00	0:15:00	953.85	10,267.16	2,566.79	0.00	0.00	82,931.76	20,732.94
305	1991.11.01 13:30:00	0:15:00	967.02	10,408.94	2,602.24	0.00	0.00	82,789.98	20,697.49
305	1991.11.01 13:45:00	0:15:00	999.33	10,756.71	2,689.18	0.00	0.00	82,442.21	20,610.55
305	1991.11.01 14:00:00	0:15:00	1,023.94	11,021.54	2,755.39	0.00	0.00	82,177.37	20,544.35
305	1991.11.01 14:15:00	0:15:00	1,067.18	11,487.02	2,871.75	0.00	0.00	81,711.90	20,427.98
305	1991.11.01 14:30:00	0:15:00	1,100.98	11,850.84	2,962.71	0.00	0.00	81,348.08	20,337.02
305	1991.11.01 14:45:00	0:15:00	1,159.14	12,476.81	3,119.21	115.03	28.76	80,607.07	20,151.76
305	1991.11.01 15:00:00	0:15:00	1,214.06	13,068.02	3,267.01	430.70	107.67	79,700.20	19,925.06
305	1991.11.01 15:15:00	0:15:00	1,290.36	13,889.28	3,472.32	901.52	225.37	78,408.11	19,602.03
305	1991.11.01 15:30:00	0:15:00	1,479.74	15,927.73	3,981.93	1,744.18	436.05	75,526.99	18,881.75
305	1991.11.01 15:45:00	0:15:00	1,838.86	19,793.31	4,948.33	3,317.16	829.29	70,088.46	17,522.11
305	1991.11.01 16:00:00	0:12:36	3,038.51	32,706.16	6,868.29	4,970.39	1,043.79	55,522.36	11,659.69
305	1991.11.01 16:10:12	0:05:24	5,971.63	64,278.07	5,785.03	5,596.38	503.68	23,324.48	2,099.20
312	1991.11.08 07:43:48	0:00:36	4,333.34	46,643.60	466.43	0.00	0.00	46,555.32	465.55
312	1991.11.08 07:45:00	0:07:48	4,236.91	45,605.64	5,928.73	0.00	0.00	47,593.27	6,187.12
312	1991.11.08 08:00:00	0:15:00	3,078.27	33,134.18	8,283.54	0.00	0.00	60,064.74	15,016.18
312	1991.11.08 08:15:00	0:15:00	2,317.77	24,948.28	6,237.07	0.00	0.00	68,250.64	17,062.65
312	1991.11.08 08:30:00	0:15:00	1,826.43	19,659.54	4,914.88	0.00	0.00	73,539.37	18,384.84
312	1991.11.08 08:45:00	0:15:00	1,549.08	16,674.10	4,168.52	0.00	0.00	76,524.82	19,131.21
312	1991.11.08 09:00:00	0:15:00	1,309.99	14,100.62	3,525.16	0.00	0.00	79,098.29	19,774.58
312	1991.11.08 09:15:00	0:15:00	1,176.53	12,664.07	3,166.02	0.00	0.00	80,534.84	20,133.71
312	1991.11.08 09:30:00	0:15:00	1,122.85	12,086.25	3,021.57	0.00	0.00	81,112.67	20,278.17
312	1991.11.08 09:45:00	0:15:00	1,091.78	11,751.85	2,937.96	0.00	0.00	81,447.06	20,361.77
312	1991.11.08 10:00:00	0:15:00	1,055.00	11,355.94	2,838.98	0.00	0.00	81,842.98	20,460.74
312	1991.11.08 10:15:00	0:15:00	1,037.61	11,168.68	2,792.17	0.00	0.00	82,030.24	20,507.57
312	1991.11.08 10:30:00	0:15:00	1,013.75	10,911.86	2,727.97	0.00	0.00	82,287.06	20,571.76
312	1991.11.08 10:45:00	0:15:00	1,004.30	10,810.21	2,702.56	0.00	0.00	82,388.71	20,597.17
312	1991.11.08 11:00:00	0:15:00	988.65	10,641.68	2,660.42	0.00	0.00	82,557.24	20,639.32
312	1991.11.08 11:15:00	0:15:00	989.14	10,647.03	2,661.75	0.00	0.00	82,551.89	20,637.97
312	1991.11.08 11:30:00	0:15:00	979.95	10,548.04	2,637.02	0.00	0.00	82,650.88	20,662.72
312	1991.11.08 11:45:00	0:15:00	986.41	10,617.60	2,654.40	0.00	0.00	82,581.32	20,645.33
312	1991.11.08 12:00:00	0:15:00	981.94	10,569.45	2,642.37	0.00	0.00	82,629.47	20,657.37
312	1991.11.08 12:15:00	0:15:00	994.86	10,708.55	2,677.14	0.00	0.00	82,490.36	20,622.59
312	1991.11.08 12:30:00	0:15:00	997.84	10,740.65	2,685.16	0.00	0.00	82,458.27	20,614.57
312	1991.11.08 12:45:00	0:15:00	1,013.50	10,909.19	2,727.29	0.00	0.00	82,289.72	20,572.43
312	1991.11.08 13:00:00	0:15:00	1,026.67	11,050.97	2,762.74	0.00	0.00	82,147.94	20,536.98
312	1991.11.08 13:15:00	0:15:00	1,051.27	11,315.81	2,828.95	0.00	0.00	81,883.11	20,470.77
312	1991.11.08 13:30:00	0:15:00	1,071.16	11,529.82	2,882.45	0.00	0.00	81,669.10	20,417.28
312	1991.11.08 13:45:00	0:15:00	1,103.71	11,880.26	2,970.06	0.00	0.00	81,318.66	20,329.66
312	1991.11.08 14:00:00	0:15:00	1,133.04	12,195.93	3,048.98	0.00	0.00	81,002.99	20,250.75
312	1991.11.08 14:15:00	0:15:00	1,178.02	12,680.12	3,170.03	0.00	0.00	80,518.79	20,129.70
312	1991.11.08 14:30:00	0:15:00	1,220.77	13,140.25	3,285.07	101.65	25.41	79,957.02	19,989.25
312	1991.11.08 14:45:00	0:15:00	1,292.35	13,910.68	3,477.68	401.27	100.32	78,886.97	19,721.74
312	1991.11.08 15:00:00	0:15:00	1,358.95	14,627.62	3,656.91	885.47	221.37	77,685.82	19,421.46
312	1991.11.08 15:15:00	0:15:00	1,454.39	15,654.88	3,913.72	1,752.21	438.05	75,791.84	18,947.96
312	1991.11.08 15:30:00	0:15:00	1,744.67	18,779.42	4,694.86	3,207.48	801.87	71,212.00	17,803.01
312	1991.11.08 15:45:00	0:15:00	2,279.25	24,533.63	6,133.41	5,093.46	1,273.36	63,571.83	15,892.96
312	1991.11.08 16:00:00	0:09:00	4,994.17	53,756.77	8,063.52	6,749.35	1,012.40	32,692.78	4,903.91
312	1991.11.08 16:03:00	0:01:48	5,889.37	63,392.60	1,901.78	6,877.77	206.33	22,928.55	687.86
319	1991.11.15 07:51:00	0:04:48	4,365.40	46,988.69	3,759.10	0.00	0.00	46,210.23	3,696.82
319	1991.11.15 08:00:00	0:12:00	3,616.58	38,928.52	7,785.70	0.00	0.00	54,270.40	10,854.08



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
319	1991.11.15 08:15:00	0:15:00	2,682.12	28,870.02	7,217.51	0.00	0.00	64,328.90	16,082.22
319	1991.11.15 08:30:00	0:15:00	2,039.92	21,957.48	5,489.37	0.00	0.00	71,241.43	17,810.36
319	1991.11.15 08:45:00	0:15:00	1,747.15	18,806.18	4,701.54	0.00	0.00	74,392.74	18,598.19
319	1991.11.15 09:00:00	0:15:00	1,497.88	16,123.02	4,030.76	0.00	0.00	77,075.90	19,268.97
319	1991.11.15 09:15:00	0:15:00	1,311.98	14,122.02	3,530.51	0.00	0.00	79,076.89	19,769.23
319	1991.11.15 09:30:00	0:15:00	1,252.09	13,477.32	3,369.33	0.00	0.00	79,721.60	19,930.40
319	1991.11.15 09:45:00	0:15:00	1,214.81	13,076.04	3,269.01	0.00	0.00	80,122.88	20,030.71
319	1991.11.15 10:00:00	0:15:00	1,172.31	12,618.60	3,154.65	0.00	0.00	80,580.32	20,145.08
319	1991.11.15 10:15:00	0:15:00	1,147.70	12,353.76	3,088.44	0.00	0.00	80,845.16	20,211.29
319	1991.11.15 10:30:00	0:15:00	1,117.88	12,032.74	3,008.19	0.00	0.00	81,166.17	20,291.54
319	1991.11.15 10:45:00	0:15:00	1,108.44	11,931.08	2,982.77	0.00	0.00	81,267.83	20,316.96
319	1991.11.15 11:00:00	0:15:00	1,090.79	11,741.15	2,935.28	0.00	0.00	81,457.76	20,364.44
319	1991.11.15 11:15:00	0:15:00	1,088.31	11,714.41	2,928.60	0.00	0.00	81,484.51	20,371.13
319	1991.11.15 11:30:00	0:15:00	1,076.87	11,591.34	2,897.84	0.00	0.00	81,607.57	20,401.90
319	1991.11.15 11:45:00	0:15:00	1,080.60	11,631.47	2,907.87	0.00	0.00	81,567.45	20,391.86
319	1991.11.15 12:00:00	0:15:00	1,075.38	11,575.29	2,893.82	0.00	0.00	81,623.62	20,405.90
319	1991.11.15 12:15:00	0:15:00	1,085.57	11,684.98	2,921.25	0.00	0.00	81,513.94	20,378.48
319	1991.11.15 12:30:00	0:15:00	1,087.06	11,701.03	2,925.25	0.00	0.00	81,497.89	20,374.47
319	1991.11.15 12:45:00	0:15:00	1,105.70	11,901.67	2,975.41	0.00	0.00	81,297.25	20,324.31
319	1991.11.15 13:00:00	0:15:00	1,117.13	12,024.72	3,006.17	0.00	0.00	81,174.20	20,293.55
319	1991.11.15 13:15:00	0:15:00	1,144.47	12,318.98	3,079.75	0.00	0.00	80,879.93	20,219.99
319	1991.11.15 13:30:00	0:15:00	1,166.09	12,551.72	3,137.92	0.00	0.00	80,647.20	20,161.80
319	1991.11.15 13:45:00	0:15:00	1,203.87	12,958.34	3,239.59	0.00	0.00	80,240.58	20,060.14
319	1991.11.15 14:00:00	0:15:00	1,233.20	13,274.01	3,318.50	0.00	0.00	79,924.91	19,981.23
319	1991.11.15 14:15:00	0:15:00	1,286.38	13,846.49	3,461.62	48.16	12.03	79,304.28	19,826.07
319	1991.11.15 14:30:00	0:15:00	1,339.32	14,416.29	3,604.08	280.88	70.22	78,501.74	19,625.43
319	1991.11.15 14:45:00	0:15:00	1,420.84	15,293.73	3,823.43	754.39	188.59	77,150.80	19,287.70
319	1991.11.15 15:00:00	0:15:00	1,501.36	16,160.47	4,040.12	1,457.95	364.49	75,580.50	18,895.12
319	1991.11.15 15:15:00	0:15:00	1,673.09	18,008.98	4,502.25	2,766.09	691.53	72,423.85	18,105.96
319	1991.11.15 15:30:00	0:15:00	2,010.84	21,644.49	5,411.12	4,791.16	1,197.79	66,763.26	16,690.82
319	1991.11.15 15:45:00	0:13:48	3,036.27	32,682.09	7,516.88	6,719.94	1,545.59	53,796.90	12,373.29
319	1991.11.15 15:57:36	0:06:36	6,087.95	65,530.03	7,208.30	7,913.04	870.43	19,755.85	2,173.15
326	1991.11.22 07:57:36	0:01:12	4,380.81	47,154.55	943.09	0.00	0.00	46,044.37	920.88
326	1991.11.22 08:00:00	0:09:00	4,203.36	45,244.50	6,786.67	0.00	0.00	47,954.41	7,193.16
326	1991.11.22 08:15:00	0:15:00	3,149.35	33,899.27	8,474.82	0.00	0.00	59,299.65	14,824.91
326	1991.11.22 08:30:00	0:15:00	2,332.44	25,106.11	6,276.53	0.00	0.00	68,092.81	17,023.20
326	1991.11.22 08:45:00	0:15:00	1,943.99	20,924.88	5,231.22	0.00	0.00	72,274.03	18,068.51
326	1991.11.22 09:00:00	0:15:00	1,671.10	17,987.59	4,496.90	0.00	0.00	75,211.33	18,802.83
326	1991.11.22 09:15:00	0:15:00	1,467.56	15,796.66	3,949.17	0.00	0.00	77,402.26	19,350.56
326	1991.11.22 09:30:00	0:15:00	1,373.12	14,780.10	3,695.02	0.00	0.00	78,418.81	19,604.70
326	1991.11.22 09:45:00	0:15:00	1,329.38	14,309.28	3,577.32	0.00	0.00	78,889.63	19,722.41
326	1991.11.22 10:00:00	0:15:00	1,279.67	13,774.25	3,443.57	0.00	0.00	79,424.67	19,856.17
326	1991.11.22 10:15:00	0:15:00	1,253.08	13,488.02	3,372.01	0.00	0.00	79,710.90	19,927.72
326	1991.11.22 10:30:00	0:15:00	1,218.78	13,118.85	3,279.71	0.00	0.00	80,080.07	20,020.01
326	1991.11.22 10:45:00	0:15:00	1,204.37	12,963.69	3,240.92	0.00	0.00	80,235.23	20,058.81
326	1991.11.22 11:00:00	0:15:00	1,184.49	12,749.68	3,187.42	0.00	0.00	80,449.24	20,112.30
326	1991.11.22 11:15:00	0:15:00	1,180.26	12,704.20	3,176.05	0.00	0.00	80,494.72	20,123.68
326	1991.11.22 11:30:00	0:15:00	1,166.84	12,559.74	3,139.94	0.00	0.00	80,639.17	20,159.79
326	1991.11.22 11:45:00	0:15:00	1,168.08	12,573.12	3,143.28	0.00	0.00	80,625.80	20,156.45
326	1991.11.22 12:00:00	0:15:00	1,158.39	12,468.79	3,117.19	0.00	0.00	80,730.12	20,182.53
326	1991.11.22 12:15:00	0:15:00	1,168.08	12,573.12	3,143.28	0.00	0.00	80,625.80	20,156.45
326	1991.11.22 12:30:00	0:15:00	1,168.33	12,575.80	3,143.95	0.00	0.00	80,623.12	20,155.78
326	1991.11.22 12:45:00	0:15:00	1,189.70	12,805.85	3,201.46	0.00	0.00	80,393.06	20,098.27
326	1991.11.22 13:00:00	0:15:00	1,198.90	12,904.84	3,226.21	0.00	0.00	80,294.08	20,073.52
326	1991.11.22 13:15:00	0:15:00	1,228.47	13,223.17	3,305.80	0.00	0.00	79,975.73	19,993.93
326	1991.11.22 13:30:00	0:15:00	1,252.83	13,485.34	3,371.34	0.00	0.00	79,713.58	19,928.39
326	1991.11.22 13:45:00	0:15:00	1,292.60	13,913.36	3,478.34	0.00	0.00	79,285.55	19,821.39
326	1991.11.22 14:00:00	0:15:00	1,328.38	14,298.58	3,574.65	0.00	0.00	78,900.33	19,725.08
326	1991.11.22 14:15:00	0:15:00	1,386.04	14,919.21	3,729.80	123.05	30.76	78,156.65	19,539.16
326	1991.11.22 14:30:00	0:15:00	1,448.42	15,590.67	3,897.66	473.49	118.37	77,134.75	19,283.69
326	1991.11.22 14:45:00	0:15:00	1,537.40	16,548.37	4,137.09	1,120.88	280.22	75,529.67	18,882.42



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
326	1991.11.22 15:00:00	0:15:00	1,626.12	17,503.38	4,375.85	2,041.13	510.28	73,654.41	18,413.60
326	1991.11.22 15:15:00	0:15:00	1,861.23	20,034.06	5,008.52	3,726.46	931.62	69,438.39	17,359.60
326	1991.11.22 15:30:00	0:15:00	2,294.66	24,699.49	6,174.87	5,925.42	1,481.35	62,574.01	15,643.50
326	1991.11.22 15:45:00	0:12:00	3,768.93	40,568.37	8,113.68	7,969.21	1,593.84	44,661.33	8,932.26
326	1991.11.22 15:54:00	0:04:48	6,133.92	66,024.92	5,282.00	8,514.94	681.19	18,659.05	1,492.73
333	1991.11.29 08:04:12	0:05:24	4,416.10	47,534.42	4,278.10	0.00	0.00	45,664.50	4,109.81
333	1991.11.29 08:15:00	0:12:36	3,625.53	39,024.82	8,195.21	0.00	0.00	54,174.10	11,376.56
333	1991.11.29 08:30:00	0:15:00	2,703.74	29,102.75	7,275.69	0.00	0.00	64,096.16	16,024.03
333	1991.11.29 08:45:00	0:15:00	2,130.63	22,933.91	5,733.48	0.00	0.00	70,265.01	17,566.25
333	1991.11.29 09:00:00	0:15:00	1,846.07	19,870.88	4,967.72	0.00	0.00	73,328.04	18,332.01
333	1991.11.29 09:15:00	0:15:00	1,621.89	17,457.90	4,364.48	0.00	0.00	75,741.00	18,935.25
333	1991.11.29 09:30:00	0:15:00	1,470.79	15,831.43	3,957.85	0.00	0.00	77,367.49	19,341.87
333	1991.11.29 09:45:00	0:15:00	1,425.81	15,347.23	3,836.80	0.00	0.00	77,851.68	19,462.92
333	1991.11.29 10:00:00	0:15:00	1,372.87	14,777.42	3,694.35	0.00	0.00	78,421.49	19,605.37
333	1991.11.29 10:15:00	0:15:00	1,343.05	14,456.41	3,614.10	0.00	0.00	78,742.50	19,685.62
333	1991.11.29 10:30:00	0:15:00	1,308.25	14,081.89	3,520.47	0.00	0.00	79,117.02	19,779.26
333	1991.11.29 10:45:00	0:15:00	1,289.86	13,883.93	3,470.98	0.00	0.00	79,314.98	19,828.75
333	1991.11.29 11:00:00	0:15:00	1,265.75	13,624.45	3,406.11	0.00	0.00	79,574.47	19,893.61
333	1991.11.29 11:15:00	0:15:00	1,261.78	13,581.64	3,395.41	0.00	0.00	79,617.27	19,904.31
333	1991.11.29 11:30:00	0:15:00	1,243.14	13,381.01	3,345.25	0.00	0.00	79,817.90	19,954.47
333	1991.11.29 11:45:00	0:15:00	1,241.40	13,362.28	3,340.57	0.00	0.00	79,836.63	19,959.16
333	1991.11.29 12:00:00	0:15:00	1,233.20	13,274.01	3,318.50	0.00	0.00	79,924.91	19,981.23
333	1991.11.29 12:15:00	0:15:00	1,241.40	13,362.28	3,340.57	0.00	0.00	79,836.63	19,959.16
333	1991.11.29 12:30:00	0:15:00	1,241.40	13,362.28	3,340.57	0.00	0.00	79,836.63	19,959.16
333	1991.11.29 12:45:00	0:15:00	1,260.04	13,562.92	3,390.73	0.00	0.00	79,635.99	19,909.00
333	1991.11.29 13:00:00	0:15:00	1,271.72	13,688.65	3,422.17	0.00	0.00	79,510.27	19,877.56
333	1991.11.29 13:15:00	0:15:00	1,301.05	14,004.32	3,501.08	0.00	0.00	79,194.60	19,798.65
333	1991.11.29 13:30:00	0:15:00	1,326.64	14,279.85	3,569.97	0.00	0.00	78,919.06	19,729.77
333	1991.11.29 13:45:00	0:15:00	1,368.89	14,734.63	3,683.65	0.00	0.00	78,464.29	19,616.08
333	1991.11.29 14:00:00	0:15:00	1,406.92	15,143.92	3,785.98	0.00	0.00	78,054.99	19,513.75
333	1991.11.29 14:15:00	0:15:00	1,470.54	15,828.76	3,957.19	195.29	48.83	77,174.88	19,293.72
333	1991.11.29 14:30:00	0:15:00	1,536.40	16,537.67	4,134.41	642.03	160.51	76,019.21	19,004.81
333	1991.11.29 14:45:00	0:15:00	1,634.32	17,591.67	4,397.91	1,444.57	361.14	74,162.68	18,540.67
333	1991.11.29 15:00:00	0:15:00	1,733.48	18,659.05	4,664.76	2,541.38	635.34	71,998.50	17,999.62
333	1991.11.29 15:15:00	0:15:00	2,012.58	21,663.22	5,415.80	4,448.74	1,112.19	67,086.95	16,771.74
333	1991.11.29 15:30:00	0:15:00	2,497.96	26,887.75	6,721.94	6,752.03	1,688.01	59,559.13	14,889.78
333	1991.11.29 15:45:00	0:10:48	4,463.07	48,040.02	8,647.20	8,587.17	1,545.70	36,571.73	6,582.91
333	1991.11.29 15:51:36	0:03:00	6,188.85	66,616.13	3,330.80	8,827.94	441.40	17,754.85	887.74
340	1991.12.06 08:10:12	0:02:24	4,446.17	47,858.11	1,914.33	0.00	0.00	45,340.81	1,813.63
340	1991.12.06 08:15:00	0:10:12	4,082.32	43,941.72	7,470.09	0.00	0.00	49,257.20	8,373.72
340	1991.12.06 08:30:00	0:15:00	3,095.92	33,324.12	8,331.03	0.00	0.00	59,874.80	14,968.70
340	1991.12.06 08:45:00	0:15:00	2,351.57	25,312.10	6,328.02	0.00	0.00	67,886.82	16,971.70
340	1991.12.06 09:00:00	0:15:00	1,995.43	21,478.63	5,369.66	0.00	0.00	71,720.29	17,930.07
340	1991.12.06 09:15:00	0:15:00	1,758.59	18,929.23	4,732.31	0.00	0.00	74,269.68	18,567.43
340	1991.12.06 09:30:00	0:15:00	1,560.76	16,799.83	4,199.96	0.00	0.00	76,399.08	19,099.78
340	1991.12.06 09:45:00	0:15:00	1,506.08	16,211.29	4,052.82	0.00	0.00	76,987.62	19,246.91
340	1991.12.06 10:00:00	0:15:00	1,446.68	15,571.94	3,892.99	0.00	0.00	77,626.98	19,406.74
340	1991.12.06 10:15:00	0:15:00	1,414.37	15,224.17	3,806.04	0.00	0.00	77,974.74	19,493.68
340	1991.12.06 10:30:00	0:15:00	1,374.86	14,798.83	3,699.70	0.00	0.00	78,400.08	19,600.02
340	1991.12.06 10:45:00	0:15:00	1,356.72	14,603.54	3,650.89	0.00	0.00	78,595.37	19,648.84
340	1991.12.06 11:00:00	0:15:00	1,330.37	14,319.98	3,580.00	0.00	0.00	78,878.94	19,719.73
340	1991.12.06 11:15:00	0:15:00	1,325.90	14,271.82	3,567.95	0.00	0.00	78,927.08	19,731.77
340	1991.12.06 11:30:00	0:15:00	1,306.26	14,060.50	3,515.12	0.00	0.00	79,138.42	19,784.61
340	1991.12.06 11:45:00	0:15:00	1,303.03	14,025.72	3,506.43	0.00	0.00	79,173.20	19,793.31
340	1991.12.06 12:00:00	0:15:00	1,289.61	13,881.25	3,470.31	0.00	0.00	79,317.66	19,829.42
340	1991.12.06 12:15:00	0:15:00	1,296.82	13,958.84	3,489.71	0.00	0.00	79,240.08	19,810.02
340	1991.12.06 12:30:00	0:15:00	1,296.07	13,950.81	3,487.71	0.00	0.00	79,248.11	19,812.02
340	1991.12.06 12:45:00	0:15:00	1,314.71	14,151.45	3,537.86	0.00	0.00	79,047.47	19,761.86
340	1991.12.06 13:00:00	0:15:00	1,325.40	14,266.47	3,566.62	0.00	0.00	78,932.44	19,733.11
340	1991.12.06 13:15:00	0:15:00	1,356.22	14,598.19	3,649.54	0.00	0.00	78,600.72	19,650.18
340	1991.12.06 13:30:00	0:15:00	1,380.82	14,863.03	3,715.76	0.00	0.00	78,335.89	19,583.97



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
340	1991.12.06 13:45:00	0:15:00	1,424.56	15,333.85	3,833.47	0.00	0.00	77,865.06	19,466.27
340	1991.12.06 14:00:00	0:15:00	1,466.32	15,783.28	3,945.82	0.00	0.00	77,415.64	19,353.91
340	1991.12.06 14:15:00	0:15:00	1,530.44	16,473.46	4,118.37	224.71	56.18	76,500.74	19,125.19
340	1991.12.06 14:30:00	0:15:00	1,599.53	17,217.15	4,304.29	716.94	179.23	75,264.83	18,816.21
340	1991.12.06 14:45:00	0:15:00	1,703.16	18,332.68	4,583.17	1,626.48	406.62	73,239.76	18,309.94
340	1991.12.06 15:00:00	0:15:00	1,809.78	19,480.31	4,870.07	2,827.61	706.91	70,890.99	17,722.75
340	1991.12.06 15:15:00	0:15:00	2,106.77	22,677.09	5,669.27	4,860.72	1,215.18	65,661.11	16,415.28
340	1991.12.06 15:30:00	0:15:00	2,618.99	28,190.54	7,047.63	7,262.98	1,815.74	57,745.40	14,436.35
340	1991.12.06 15:45:00	0:10:12	4,677.05	50,343.31	8,558.37	8,910.86	1,514.85	33,944.74	5,770.60
340	1991.12.06 15:51:00	0:03:00	6,236.32	67,127.08	3,356.36	9,001.82	450.09	17,070.02	853.50
347	1991.12.13 08:15:36	0:07:12	4,488.92	48,318.23	5,798.19	0.00	0.00	44,880.68	5,385.69
347	1991.12.13 08:30:00	0:15:00	3,446.09	37,093.38	9,273.35	0.00	0.00	56,105.54	14,026.38
347	1991.12.13 08:45:00	0:15:00	2,613.27	28,129.01	7,032.25	0.00	0.00	65,069.91	16,267.47
347	1991.12.13 09:00:00	0:15:00	2,123.92	22,861.67	5,715.42	0.00	0.00	70,337.24	17,584.31
347	1991.12.13 09:15:00	0:15:00	1,871.91	20,149.10	5,037.27	0.00	0.00	73,049.82	18,262.45
347	1991.12.13 09:30:00	0:15:00	1,650.97	17,770.90	4,442.72	0.00	0.00	75,428.02	18,857.01
347	1991.12.13 09:45:00	0:15:00	1,565.23	16,847.98	4,212.00	0.00	0.00	76,350.94	19,087.73
347	1991.12.13 10:00:00	0:15:00	1,501.86	16,165.82	4,041.46	0.00	0.00	77,033.10	19,258.27
347	1991.12.13 10:15:00	0:15:00	1,463.83	15,756.53	3,939.14	0.00	0.00	77,442.39	19,360.60
347	1991.12.13 10:30:00	0:15:00	1,420.84	15,293.73	3,823.43	0.00	0.00	77,905.19	19,476.30
347	1991.12.13 10:45:00	0:15:00	1,401.20	15,082.40	3,770.59	0.00	0.00	78,116.52	19,529.13
347	1991.12.13 11:00:00	0:15:00	1,374.36	14,793.47	3,698.37	0.00	0.00	78,405.43	19,601.36
347	1991.12.13 11:15:00	0:15:00	1,367.65	14,721.25	3,680.32	0.00	0.00	78,477.67	19,619.41
347	1991.12.13 11:30:00	0:15:00	1,346.77	14,496.54	3,624.13	0.00	0.00	78,702.38	19,675.59
347	1991.12.13 11:45:00	0:15:00	1,341.06	14,435.01	3,608.75	0.00	0.00	78,763.90	19,690.97
347	1991.12.13 12:00:00	0:15:00	1,326.40	14,277.18	3,569.30	0.00	0.00	78,921.73	19,730.43
347	1991.12.13 12:15:00	0:15:00	1,332.61	14,344.06	3,586.01	0.00	0.00	78,854.86	19,713.72
347	1991.12.13 12:30:00	0:15:00	1,329.13	14,306.60	3,576.65	0.00	0.00	78,892.32	19,723.08
347	1991.12.13 12:45:00	0:15:00	1,347.77	14,507.24	3,626.81	0.00	0.00	78,691.68	19,672.92
347	1991.12.13 13:00:00	0:15:00	1,357.46	14,611.57	3,652.89	0.00	0.00	78,587.34	19,646.84
347	1991.12.13 13:15:00	0:15:00	1,389.52	14,956.67	3,739.16	0.00	0.00	78,242.25	19,560.57
347	1991.12.13 13:30:00	0:15:00	1,412.14	15,200.10	3,800.02	0.00	0.00	77,998.81	19,499.71
347	1991.12.13 13:45:00	0:15:00	1,456.62	15,678.94	3,919.74	0.00	0.00	77,519.97	19,379.99
347	1991.12.13 14:00:00	0:15:00	1,495.15	16,093.59	4,023.40	0.00	0.00	77,105.32	19,276.33
347	1991.12.13 14:15:00	0:15:00	1,562.99	16,823.90	4,205.97	211.34	52.83	76,163.68	19,040.92
347	1991.12.13 14:30:00	0:15:00	1,632.58	17,572.94	4,393.23	700.88	175.23	74,925.09	18,731.27
347	1991.12.13 14:45:00	0:15:00	1,738.21	18,709.88	4,677.46	1,621.13	405.28	72,867.91	18,216.98
347	1991.12.13 15:00:00	0:15:00	1,842.09	19,828.07	4,957.02	2,832.96	708.24	70,537.87	17,634.47
347	1991.12.13 15:15:00	0:15:00	2,130.13	22,928.55	5,732.14	4,871.42	1,217.85	65,398.95	16,349.74
347	1991.12.13 15:30:00	0:15:00	2,626.45	28,270.79	7,067.70	7,361.96	1,840.49	57,566.16	14,391.54
347	1991.12.13 15:45:00	0:10:48	4,428.52	47,668.17	8,580.27	8,999.15	1,619.85	36,531.60	6,575.69
347	1991.12.13 15:52:11	0:03:36	6,353.12	68,384.39	4,103.06	9,074.04	544.44	15,740.47	944.42
354	1991.12.20 08:19:48	0:04:48	4,484.69	48,272.75	3,861.82	0.00	0.00	44,926.16	3,594.09
354	1991.12.20 08:30:00	0:12:36	3,731.90	40,169.78	8,435.66	0.00	0.00	53,029.14	11,136.12
354	1991.12.20 08:45:00	0:15:00	2,832.48	30,488.48	7,622.12	0.00	0.00	62,710.44	15,677.61
354	1991.12.20 09:00:00	0:15:00	2,229.30	23,995.93	5,998.98	0.00	0.00	69,202.99	17,300.74
354	1991.12.20 09:15:00	0:15:00	1,951.94	21,010.49	5,252.62	0.00	0.00	72,188.43	18,047.11
354	1991.12.20 09:30:00	0:15:00	1,716.58	18,477.14	4,619.28	0.00	0.00	74,721.78	18,680.45
354	1991.12.20 09:45:00	0:15:00	1,597.79	17,198.42	4,299.61	0.00	0.00	76,000.50	19,000.12
354	1991.12.20 10:00:00	0:15:00	1,533.17	16,502.89	4,125.72	0.00	0.00	76,696.03	19,174.00
354	1991.12.20 10:15:00	0:15:00	1,490.42	16,042.76	4,010.69	0.00	0.00	77,156.15	19,289.04
354	1991.12.20 10:30:00	0:15:00	1,443.95	15,542.51	3,885.63	0.00	0.00	77,656.40	19,414.10
354	1991.12.20 10:45:00	0:15:00	1,422.33	15,309.77	3,827.45	0.00	0.00	77,889.14	19,472.28
354	1991.12.20 11:00:00	0:15:00	1,394.74	15,012.84	3,753.21	0.00	0.00	78,186.07	19,546.52
354	1991.12.20 11:15:00	0:15:00	1,385.30	14,911.19	3,727.80	0.00	0.00	78,287.73	19,571.93
354	1991.12.20 11:30:00	0:15:00	1,365.17	14,694.50	3,673.62	0.00	0.00	78,504.42	19,626.11
354	1991.12.20 11:45:00	0:15:00	1,358.70	14,624.94	3,656.24	0.00	0.00	78,573.97	19,643.49
354	1991.12.20 12:00:00	0:15:00	1,340.56	14,429.66	3,607.41	0.00	0.00	78,769.25	19,692.32
354	1991.12.20 12:15:00	0:15:00	1,347.52	14,504.56	3,626.14	0.00	0.00	78,694.36	19,673.59
354	1991.12.20 12:30:00	0:15:00	1,342.80	14,453.73	3,613.43	0.00	0.00	78,745.18	19,686.29
354	1991.12.20 12:45:00	0:15:00	1,358.95	14,627.62	3,656.91	0.00	0.00	78,571.29	19,642.83



800 Indiana Street - Esprit Park

Total Solar Sample Results

DayNum	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr	SunnySF	SunnySFHr
354	1991.12.20 13:00:00	0:15:00	1,368.89	14,734.63	3,683.65	0.00	0.00	78,464.29	19,616.08
354	1991.12.20 13:15:00	0:15:00	1,396.23	15,028.89	3,757.23	0.00	0.00	78,170.03	19,542.51
354	1991.12.20 13:30:00	0:15:00	1,419.84	15,283.03	3,820.75	0.00	0.00	77,915.89	19,478.97
354	1991.12.20 13:45:00	0:15:00	1,463.33	15,751.18	3,937.79	0.00	0.00	77,447.74	19,361.93
354	1991.12.20 14:00:00	0:15:00	1,502.10	16,168.50	4,042.12	0.00	0.00	77,030.42	19,257.61
354	1991.12.20 14:15:00	0:15:00	1,566.22	16,858.68	4,214.67	144.46	36.11	76,195.78	19,048.95
354	1991.12.20 14:30:00	0:15:00	1,633.08	17,578.29	4,394.58	596.56	149.13	75,024.07	18,756.02
354	1991.12.20 14:45:00	0:15:00	1,736.22	18,688.47	4,672.11	1,479.35	369.84	73,031.10	18,257.77
354	1991.12.20 15:00:00	0:15:00	1,839.11	19,795.97	4,948.99	2,626.98	656.75	70,775.96	17,693.99
354	1991.12.20 15:15:00	0:15:00	2,085.90	22,452.38	5,613.09	4,542.38	1,135.59	66,204.16	16,551.04
354	1991.12.20 15:30:00	0:15:00	2,527.78	27,208.76	6,802.19	7,182.73	1,795.68	58,807.43	14,701.85
354	1991.12.20 15:45:00	0:12:36	3,900.15	41,980.85	8,815.98	8,918.89	1,872.96	42,299.19	8,882.83
354	1991.12.20 15:54:36	0:04:48	6,310.87	67,929.62	5,434.37	9,108.82	728.71	16,160.47	1,292.84
			#####	#####	2,324,085.34	257,347.68	46,899.64	#####	23,317,433.01

Summary of Impacts

Date	Mirror	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr
11-Oct	1-Mar	10.11 17:00:00	0:15:00	1,188.21	12,789.81	3,197.45	72.23	18.06
		10.11 17:15:00	0:15:00	1,548.83	16,671.42	4,167.86	232.74	58.18
		10.11 17:30:00	0:11:24	3,558.43	38,302.54	7,277.48	751.71	142.83
		10.11 17:37:12	0:03:36	6,048.43	65,104.68	3,906.28	936.30	56.18
18-Oct	22-Feb	10.18 16:15:00	0:15:00	988.40	10,639.00	2,659.75	21.40	5.35
		10.18 16:30:00	0:15:00	1,050.03	11,302.43	2,825.61	107.00	26.75
		10.18 16:45:00	0:15:00	1,213.31	13,059.99	3,265.00	379.87	94.97
		10.18 17:00:00	0:15:00	1,516.27	16,320.98	4,080.25	987.12	246.78
		10.18 17:15:00	0:13:12	2,288.70	24,635.28	5,419.76	2,033.10	447.28
		10.18 17:27:00	0:06:00	5,985.30	64,425.20	6,442.52	2,327.36	232.74
25-Oct	15-Feb	10.25 15:00:00	0:15:00	1,076.13	11,583.32	2,895.83	80.26	20.06
		10.25 15:15:00	0:15:00	1,137.51	12,244.08	3,061.02	312.99	78.24
		10.25 15:30:00	0:15:00	1,210.33	13,027.89	3,256.97	668.78	167.20
		10.25 15:45:00	0:15:00	1,505.58	16,205.94	4,051.49	1,535.52	383.88
		10.25 16:00:00	0:15:00	1,957.16	21,066.66	5,266.67	2,854.36	713.59
		10.25 16:15:00	0:09:00	4,844.31	52,143.67	7,821.54	4,122.38	618.35
		10.25 16:18:00	0:01:48	5,915.96	63,678.83	1,910.37	4,010.03	120.30
1-Nov	8-Feb	11.01 14:45:00	0:15:00	1,159.14	12,476.81	3,119.21	115.03	28.76
		11.01 15:00:00	0:15:00	1,214.06	13,068.02	3,267.01	430.70	107.67
		11.01 15:15:00	0:15:00	1,290.36	13,889.28	3,472.32	901.52	225.37
		11.01 15:30:00	0:15:00	1,479.74	15,927.73	3,981.93	1,744.18	436.05
		11.01 15:45:00	0:15:00	1,838.86	19,793.31	4,948.33	3,317.16	829.29
		11.01 16:00:00	0:12:36	3,038.51	32,706.16	6,868.29	4,970.39	1,043.79
		11.01 16:10:12	0:05:24	5,971.63	64,278.07	5,785.03	5,596.38	503.68
8-Nov	1-Feb	11.08 14:30:00	0:15:00	1,220.77	13,140.25	3,285.07	101.65	25.41
		11.08 14:45:00	0:15:00	1,292.35	13,910.68	3,477.68	401.27	100.32
		11.08 15:00:00	0:15:00	1,358.95	14,627.62	3,656.91	885.47	221.37
		11.08 15:15:00	0:15:00	1,454.39	15,654.88	3,913.72	1,752.21	438.05
		11.08 15:30:00	0:15:00	1,744.67	18,779.42	4,694.86	3,207.48	801.87
		11.08 15:45:00	0:15:00	2,279.25	24,533.63	6,133.41	5,093.46	1,273.36
		11.08 16:00:00	0:09:00	4,994.17	53,756.77	8,063.52	6,749.35	1,012.40
		11.08 16:03:00	0:01:48	5,889.37	63,392.60	1,901.78	6,877.77	206.33
15-Nov	25-Jan	11.15 14:15:00	0:15:00	1,286.38	13,846.49	3,461.62	48.16	12.03
		11.15 14:30:00	0:15:00	1,339.32	14,416.29	3,604.08	280.88	70.22
		11.15 14:45:00	0:15:00	1,420.84	15,293.73	3,823.43	754.39	188.59
		11.15 15:00:00	0:15:00	1,501.36	16,160.47	4,040.12	1,457.95	364.49
		11.15 15:15:00	0:15:00	1,673.09	18,008.98	4,502.25	2,766.09	691.53
		11.15 15:30:00	0:15:00	2,010.84	21,644.49	5,411.12	4,791.16	1,197.79
		11.15 15:45:00	0:13:48	3,036.27	32,682.09	7,516.88	6,719.94	1,545.59
		11.15 15:57:36	0:06:36	6,087.95	65,530.03	7,208.30	7,913.04	870.43
		22-Nov	18-Jan	11.22 14:15:00	0:15:00	1,386.04	14,919.21	3,729.80
11.22 14:30:00	0:15:00			1,448.42	15,590.67	3,897.66	473.49	118.37
11.22 14:45:00	0:15:00			1,537.40	16,548.37	4,137.09	1,120.88	280.22
11.22 15:00:00	0:15:00			1,626.12	17,503.38	4,375.85	2,041.13	510.28
11.22 15:15:00	0:15:00			1,861.23	20,034.06	5,008.52	3,726.46	931.62
11.22 15:30:00	0:15:00			2,294.66	24,699.49	6,174.87	5,925.42	1,481.35
11.22 15:45:00	0:12:00			3,768.93	40,568.37	8,113.68	7,969.21	1,593.84
11.22 15:54:00	0:04:48			6,133.92	66,024.92	5,282.00	8,514.94	681.19
29-Nov	11-Jan	11.29 14:15:00	0:15:00	1,470.54	15,828.76	3,957.19	195.29	48.83
		11.29 14:30:00	0:15:00	1,536.40	16,537.67	4,134.41	642.03	160.51
		11.29 14:45:00	0:15:00	1,634.32	17,591.67	4,397.91	1,444.57	361.14
		11.29 15:00:00	0:15:00	1,733.48	18,659.05	4,664.76	2,541.38	635.34
		11.29 15:15:00	0:15:00	2,012.58	21,663.22	5,415.80	4,448.74	1,112.19
		11.29 15:30:00	0:15:00	2,497.96	26,887.75	6,721.94	6,752.03	1,688.01
		11.29 15:45:00	0:10:48	4,463.07	48,040.02	8,647.20	8,587.17	1,545.70
		11.29 15:51:36	0:03:00	6,188.85	66,616.13	3,330.80	8,827.94	441.40
		6-Dec	4-Jan	12.06 14:15:00	0:15:00	1,530.44	16,473.46	4,118.37
12.06 14:30:00	0:15:00			1,599.53	17,217.15	4,304.29	716.94	179.23
12.06 14:45:00	0:15:00			1,703.16	18,332.68	4,583.17	1,626.48	406.62
12.06 15:00:00	0:15:00			1,809.78	19,480.31	4,870.07	2,827.61	706.91
12.06 15:15:00	0:15:00			2,106.77	22,677.09	5,669.27	4,860.72	1,215.18
12.06 15:30:00	0:15:00			2,618.99	28,190.54	7,047.63	7,262.98	1,815.74

Summary of Impacts

Date	Mirror	Date+Time	Duration	ExSM	ExSF	ExSFHr	NewSF	NewSFHr
		12.06 15:45:00	0:10:12	4,677.05	50,343.31	8,558.37	8,910.86	1,514.85
		12.06 15:51:00	0:03:00	6,236.32	67,127.08	3,356.36	9,001.82	450.09
13-Dec	27-Dec	12.13 14:15:00	0:15:00	1,562.99	16,823.90	4,205.97	211.34	52.83
		12.13 14:30:00	0:15:00	1,632.58	17,572.94	4,393.23	700.88	175.23
		12.13 14:45:00	0:15:00	1,738.21	18,709.88	4,677.46	1,621.13	405.28
		12.13 15:00:00	0:15:00	1,842.09	19,828.07	4,957.02	2,832.96	708.24
		12.13 15:15:00	0:15:00	2,130.13	22,928.55	5,732.14	4,871.42	1,217.85
		12.13 15:30:00	0:15:00	2,626.45	28,270.79	7,067.70	7,361.96	1,840.49
		12.13 15:45:00	0:10:48	4,428.52	47,668.17	8,580.27	8,999.15	1,619.85
		12.13 15:52:11	0:03:36	6,353.12	68,384.39	4,103.06	9,074.04	544.44
20-Dec	No Mirror	12.20 14:15:00	0:15:00	1,566.22	16,858.68	4,214.67	144.46	36.11
		12.20 14:30:00	0:15:00	1,633.08	17,578.29	4,394.58	596.56	149.13
		12.20 14:45:00	0:15:00	1,736.22	18,688.47	4,672.11	1,479.35	369.84
		12.20 15:00:00	0:15:00	1,839.11	19,795.97	4,948.99	2,626.98	656.75
		12.20 15:15:00	0:15:00	2,085.90	22,452.38	5,613.09	4,542.38	1,135.59
		12.20 15:30:00	0:15:00	2,527.78	27,208.76	6,802.19	7,182.73	1,795.68
		12.20 15:45:00	0:12:36	3,900.15	41,980.85	8,815.98	8,918.89	1,872.96
		12.20 15:54:36	0:04:48	6,310.87	67,929.62	5,434.37	9,108.82	728.71
							257,347.68	46,899.64

Summary of Results

cadp annualized net new shadow	633,212.39 sq ft hrs
Annual Available Sunlight (TAAS), based on City's AAS Factor	296,706,366.08 sq ft hrs
Annual Shadow Increase as a Percentage of TAAS	0.21341%

Summary of Results (FULL EXISTING CONDITIONS)

cadp annualized net new shadow	633,212.39
Annual Available Sunlight as calculated with Existing Conditions	314,818,804.98
Annual Shadow Increase as a Percentage of AAS	0.20114%

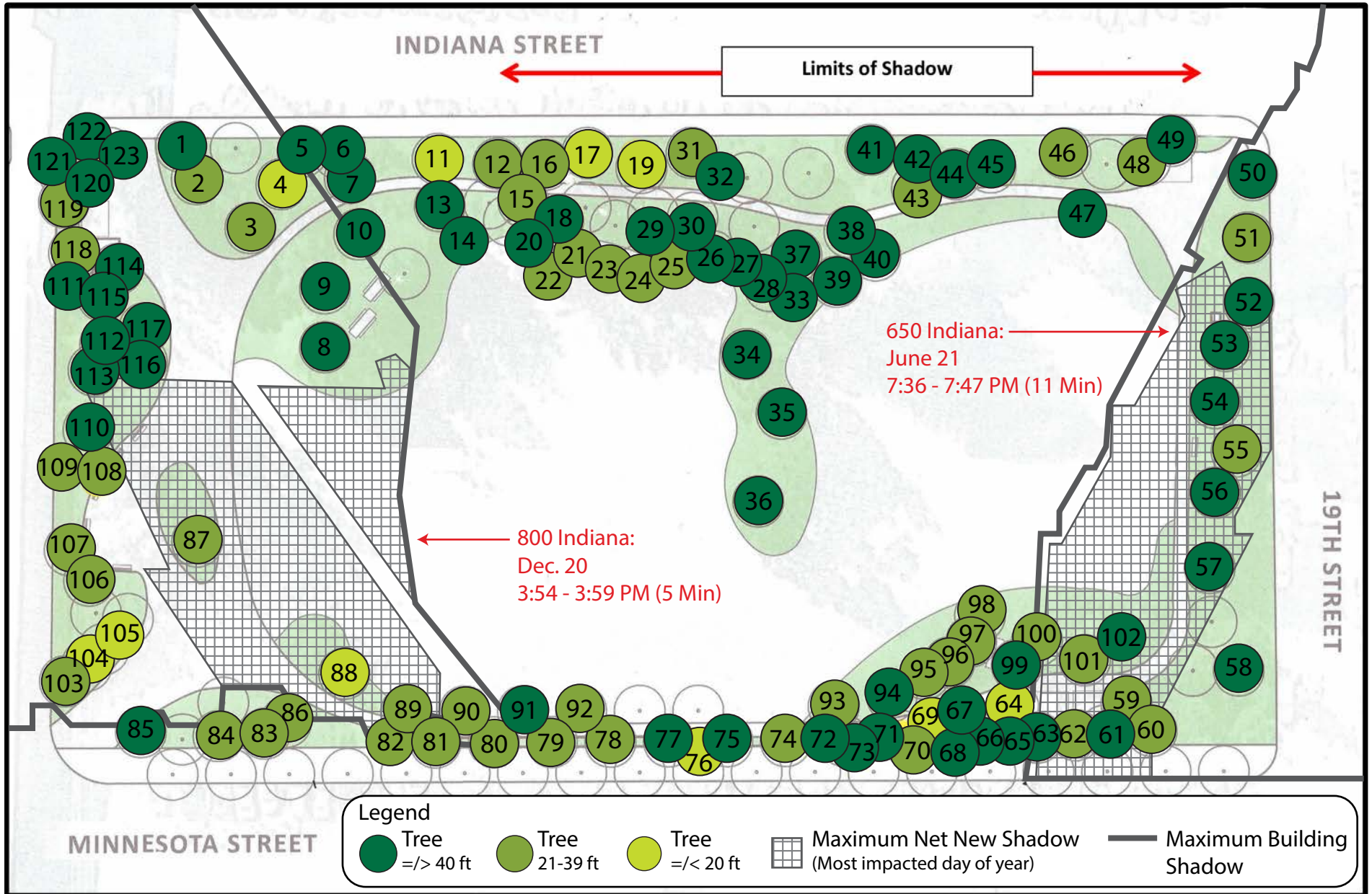
Summary of Results (% Existing shadow of TAAS)

Annual Available Sunlight (TAAS), based on City's AAS Factor	296,706,366.08
CADP Annual Existing Shadows on Park	31,378,487.00
Percentage of Existing Shadow on Park against TAAS	10.58%

Total Shadow ALL	32,011,699.39
Total Shadow ALL	10.79%

APPENDIX C

Esprit Park Tree Survey



COLUMN HEADING DESCRIPTIONS

Tag# - Indicates the number tag attached to tree

Species - Scientific name

DBH - Diameter measured in inches at 4.5 feet above soil grade

Height - In feet

Structure- Tree Structural Safety: E is Excellent, G is Good, F is Fair, P is Poor, H is Hazardous

Health -Tree Health: E is Excellent, G is Good, F is Fair, P is Poor, D is Dead or Dying, n/a is no answer due to season

Spread - In feet

Impacted? - Impacted by Shade: Y is Yes, N is No. Based on rough estimates of shadow analysis

Notes - See below

ABBREVIATIONS AND DEFINITIONS

Notes	Embedded Bark (EB) - AKA Included Bark, this is a structural defect where bark is included between the branch attachment so that the wood cannot join. Such defects have a higher propensity for failure.
	Codominant (CD) - A situation where a tree has two or more stems which are of equal diameter and relative amounts of leaf area. Trees with codominant primary scaffolding stems are inherently weaker than stems, which are of unequal diameter and size.
	Codominant w/ Embedded Bark (CDEB) - When bark is embedded between codominant stems, failure potential is very high and pruning to mitigate the defect is recommended.
	Poor Pruning (PP)- Past pruning practices considered unacceptable according to ANSI A300 Best Management Practices, Tree Pruning
	Deadwood (DW) - Dead wood noted in tree.

Tag #	Species	Common Name	DBH	Height	Structure	Health	Spread	Impacted?	Notes
1	<i>Pinus radiata</i>	Monterey Pine	18.5	60	F	F	25	Y	DW
2	<i>Sequoia sempervirens</i>	Coast Redwood	13.5	35	G	G	20	Y	Growing in pine canopy
3	<i>Sequoia sempervirens</i>	Coast Redwood	6.5	25	G	F	20	Y	Sparse off color foliage
4	<i>Pittosporum tobira</i>	Japanese Pittosporum	6.5	20	F	G	20	Y	Significant lean, Beetle infestation
5	<i>Pinus radiata</i>	Monterey Pine	25	60	F	F-P	20	Y	PP

Tag #	Species	Common Name	DBH	Height	Structure	Health	Spread	Impacted?	Notes
6	<i>Sequoia sempervirens</i>	Coast Redwood	25	60	G	G	20	Y	
7	<i>Fraxinus holotricha</i> 'Moraine'	Moraine Ash	11	50	F	F	20	Y	
8	<i>Sequoiadendron giganteum</i>	Giant Sequoia	31	55	G	F-G	20	Y	
9	<i>Sequoia sempervirens</i>	Coast Redwood	28	65	G	F	20	Y	
10	<i>Sequoia sempervirens</i>	Coast Redwood	18	50	G	F-G	20	Y	
11	<i>Sequoia sempervirens</i>	Coast Redwood	8	20	G	F-G	20	Y	
12	<i>Sequoia sempervirens</i>	Coast Redwood	10	25	G	G	20	Y	
13	<i>Sequoia sempervirens</i>	Coast Redwood	24	65	G	F-G	20	Y	
14	<i>Sequoia sempervirens</i>	Coast Redwood	23	60	G	F-P	20	Y	Branch tip dieback
15	<i>Pittosporum undulatum</i>	Victorian Box	8	25	F	F	20	N	Headed
16	<i>Sequoia sempervirens</i>	Coast Redwood	10.5	35	G	G	20	N	
17	<i>Sequoia sempervirens</i>	Coast Redwood	9	20	F	F-G	20	N	
18	<i>Pittosporum tobira</i>	Japanese Pittosporum	7.5, 6, 6	40	P	F-P	20	N	CDEB
19	<i>Sequoia sempervirens</i>	Coast Redwood	5.5	20	G	F-G	20	N	Growing in pine canopy
20	<i>Pinus radiata</i>	Monterey Pine	22	50	F-P	P	20	N	Senescent, Lots of DW

Tag #	Species	Common Name	DBH	Height	Structure	Health	Spread	Impacted?	Notes
21	<i>Sequoia sempervirens</i>	Coast Redwood	8	30	G	G	20	N	Suckers
22	<i>Pittosporum tobira</i>	Japanese Pittosporum	4	25	G	F	20	N	
23	<i>Pittosporum undulatum</i>	Victorian Box	7	30	G	F	20	N	
24	<i>Pittosporum undulatum</i>	Victorian Box	7.5, 5, 5	30	F	F	20	N	CD, Lean
25	<i>Pittosporum undulatum</i>	Victorian Box	5.5, 4	25	F	F	20	N	CD, Lean
26	<i>Fagus sylvatica</i>	European Beech	8.5, 7	40	F	F	20	N	Aphids, CD
27	<i>Fagus sylvatica</i>	European Beech	14	55	F	F	20	N	Aphids
28	<i>Sequoia sempervirens</i>	Coast Redwood	24.5	65	G	F-G	20	N	
29	<i>Sequoia sempervirens</i>	Coast Redwood	12	40	G	G	20	N	
30	<i>Sequoia sempervirens</i>	Coast Redwood	15	40	G	G	20	N	
31	<i>Sequoia sempervirens</i>	Coast Redwood	9.5	25	G	F	20	N	
32	<i>Sequoia sempervirens</i>	Coast Redwood	33.5	80	G	G	20	N	
33	<i>Alnus rhombifolia</i>	White Alder	12	45	G	F	20	N	
34	<i>Sequoiadendron giganteum</i>	Giant Sequoia	43	60	G	F-G	20	N	
35	<i>Sequoiadendron giganteum</i>	Giant Sequoia	32.5	50	F	P	20	N	Symptoms of Botryosphaeria canker
36	<i>Sequoiadendron giganteum</i>	Giant Sequoia	34	55	G	F	20	N	Symptoms of Botryosphaeria canker, Branch tip dieback

Tag #	Species	Common Name	DBH	Height	Structure	Health	Spread	Impacted?	Notes
37	<i>Sequoia sempervirens</i>	Coast Redwood	28.5	70	G	F	20	N	
38	<i>Sequoia sempervirens</i>	Coast Redwood	25	70	G	F	20	N	
39	<i>Sequoia sempervirens</i>	Coast Redwood	26	70	G	F	20	N	
40	<i>Sequoia sempervirens</i>	Coast Redwood	35.5	70	G	F	20	N	
41	<i>Pinus radiata</i>	Monterey Pine	23	55	F	G	20	N	PP
42	<i>Sequoia sempervirens</i>	Coast Redwood	17	45	G	G	20	N	
43	<i>Nyssa sylvatica</i>	Tupelo	8	25	F	F	20	N	
44	<i>Sequoia sempervirens</i>	Coast Redwood	16.5	45	G	G	20	N	
45	<i>Pinus radiata</i>	Monterey Pine	25	65	F	F	20	N	
46	<i>Sequoia sempervirens</i>	Coast Redwood	9	30	G	F	20	N	Growing in pine canopy
47	<i>Fraxinus holotricha</i> 'Moraine'	Moraine Ash	13	40	F	F	20	N	CD
48	<i>Sequoia sempervirens</i>	Coast Redwood	8	30	G	G	20	Y	Growing in pine canopy
49	<i>Pinus radiata</i>	Monterey Pine	27.5	60	F	P-D	20	Y	Senescent, Beetles!, Remove
50	<i>Pinus radiata</i>	Monterey Pine	27	60	F	F	20	Y	DW
51	<i>Sequoia sempervirens</i>	Coast Redwood	14	35	G	F	20	Y	Girdled by pine root
52	<i>Sequoia sempervirens</i>	Coast Redwood	17.5	50	G	F	20	Y	

Tag #	Species	Common Name	DBH	Height	Structure	Health	Spread	Impacted?	Notes
53	<i>Sequoia sempervirens</i>	Coast Redwood	19	55	G	G	20	Y	
54	<i>Sequoia sempervirens</i>	Coast Redwood	17.5	50	G	F	20	Y	
55	<i>Sequoia sempervirens</i>	Coast Redwood	13	25	G	G	20	Y	
56	<i>Pinus radiata</i>	Monterey Pine	19	45	F	F-G	20	Y	
57	<i>Pinus radiata</i>	Monterey Pine	15.5	45	F	F	20	Y	
58	<i>Sequoia sempervirens</i>	Coast Redwood	17	50	G	F	20	Y	
59	<i>Pistachia chinensis</i>	Chinese Pistache	11	25	P	P	20	Y	Large basal wound, DW
60	<i>Pistachia chinensis</i>	Chinese Pistache	9.5	25	P	P	20	Y	DW
61	<i>Platanus x hispanica</i>	London Plane Tree	10	45	P	F	20	Y	Lean
62	<i>Pittosporum eugenioides</i>	Tarata	5, 5.5	30	F-P	F	20	Y	CD, PP
63	<i>Pittosporum eugenioides</i>	Tarata	7, 6, 4	40	P	F	20	Y	EB
64	<i>Pistachia chinensis</i>	Chinese Pistache	6	20	P	P	20	Y	Basal wound
65	<i>Platanus x hispanica</i>	London Plane Tree	8.5	45	F	F-P	20	Y	PP
66	<i>Pittosporum tobira</i>	Japanese Pittosporum	4.5, 4.5, 3.5	40	F-P	F-P	20	N	
67	<i>Syzygium paniculatum</i>	Magenta Cherry	6, 5.5	45	F	F-P	20	N	CD
68	<i>Platanus x hispanica</i>	London Plane Tree	8.5	45	F	F-P	20	N	

Tag #	Species	Common Name	DBH	Height	Structure	Health	Spread	Impacted?	Notes
69	<i>Pistachia chinensis</i>	Chinese Pistache	6.5	10	P	P	20	N	PP
70	<i>Pistachia chinensis</i>	Chinese Pistache	7	30	F	P	20	N	CD
71	<i>Platanus x hispanica</i>	London Plane Tree	10.5	40	F	P	20	N	
72	<i>Fagus sylvatica</i>	European Beech	10, 7, 5	40	F	F	20	N	Aphids, EB, Structural pruning required
73	<i>Platanus x hispanica</i>	London Plane Tree	7.5	45	G	F-P	20	N	
74	<i>Pittosporum eugenioides</i>	Tarata	4, 4	25	F	F	20	N	Lean
75	<i>Platanus x hispanica</i>	London Plane Tree	10.5	50	G	F-P	20	N	
76	<i>Arbutus unedo</i>	Strawberry Tree	5, 4.5, 3	15	F	G	20	N	PP
77	<i>Platanus x hispanica</i>	London Plane Tree	9	45	G	F	20	N	
78	<i>Platanus x hispanica</i>	London Plane Tree	8	35	F	P	20	N	Lean
79	<i>Platanus x hispanica</i>	London Plane Tree	9.5	35	F	P	20	N	
80	<i>Platanus x hispanica</i>	London Plane Tree	8	35	G	F-P	20	Y	
81	<i>Platanus x hispanica</i>	London Plane Tree	9	35	G	F-P	20	Y	
82	<i>Platanus x hispanica</i>	London Plane Tree	7	35	F	F	20	Y	
83	<i>Platanus x hispanica</i>	London Plane Tree	8	35	G	F	20	Y	
84	<i>Platanus x hispanica</i>	London Plane Tree	10.5	35	G	P	20	Y	

Tag #	Species	Common Name	DBH	Height	Structure	Health	Spread	Impacted?	Notes
85	<i>Platanus x hispanica</i>	London Plane Tree	10.5	40	G	F	20	Y	
86	<i>Fraxinus holotricha</i> 'Moraine'	Moraine Ash	10.5	25	F	F	20	Y	CD
87	<i>Magnolia spp.</i>	Deciduous magnolia species	6, 6.5, 5, 4.5, 10	25	G	G	20	Y	
88	<i>Prunus serrulata</i>	Flowering Cherry	17	15	F	F-P	20	Y	
89	<i>Platanus x hispanica</i>	London Plane Tree	8.5	35	F	P	20	Y	
90	<i>Platanus x hispanica</i>	London Plane Tree	9	35	F	P-D	20	Y	Lean
91	<i>Platanus x hispanica</i>	London Plane Tree	9.5	40	F	P	20	N	
92	<i>Platanus x hispanica</i>	London Plane Tree	9	35	F	P	20	N	
93	<i>Fagus sylvatica</i>	European Beech	14.5	30	G	P-D	20	N	
94	<i>Acer rubrum</i>	Red Maple	12	45	G	n/a	20	N	
95	<i>Fagus sylvatica</i>	European Beech	6, 11	35	F	F	20	N	Aphids
96	<i>Betula pendula</i>	European Birch	7	30	F	P	20	N	
97	<i>Betula pendula</i>	European Birch	11	35	F	F	20	N	
98	<i>Betula pendula</i>	European Birch	10, 4	35	F	F	20	N	
99	<i>Betula pendula</i>	European Birch	11, 6	45	F	F	20	Y	

Tag #	Species	Common Name	DBH	Height	Structure	Health	Spread	Impacted?	Notes
100	<i>Betula pendula</i>	European Birch	11.5, 12	35	F	F	20	Y	
101	<i>Pistachia chinensis</i>	Chinese Pistache	7	30	P	P	20	Y	
102	<i>Acer rubrum</i>	Red Maple	13.5	50	F	n/a	20	Y	
103	<i>Pittosporum eugenioides</i>	Tarata	3.5, 5.5, 4, 3, 3.5, 4.5	25	F	F	20	Y	
104	<i>Prunus serrulata</i>	Flowering Cherry	8.5	15	F	F-P	20	Y	
105	<i>Prunus serrulata</i>	Flowering Cherry	15	15	F	F-P	20	Y	
106	<i>Pittosporum tenuifolium</i>	Kōhūhū	7, 6, 6.5	30	F	F	20	Y	Lean, PP
107	<i>Pittosporum tenuifolium</i>	Kōhūhū	5.5	30	F	F	20	Y	
108	<i>Pittosporum tenuifolium</i>	Kōhūhū	4, 5.5	30	F	F	20	Y	
109	<i>Pittosporum tenuifolium</i>	Kōhūhū	4.5, 4	30	F	F	20	Y	
110	<i>Sequoia sempervirens</i>	Coast Redwood	26	55	G	F	20	Y	Sparce foliage
111	<i>Sequoia sempervirens</i>	Coast Redwood	22.5	65	G	F	20	Y	
112	<i>Populus nigra italica</i>	Lombardy Poplar	19.5	75	F	F	20	Y	CD
113	<i>Populus nigra italica</i>	Lombardy Poplar	14.5	75	F	G	20	Y	
114	<i>Populus nigra italica</i>	Lombardy Poplar	16	75	F	G	20	Y	

Tag #	Species	Common Name	DBH	Height	Structure	Health	Spread	Impacted?	Notes
115	<i>Populus nigra italica</i>	Lombardy Poplar	10.5, 7	75	F	F	20	Y	
116	<i>Populus nigra italica</i>	Lombardy Poplar	17	75	F	F	20	Y	Lean
117	<i>Populus nigra italica</i>	Lombardy Poplar	16	75	G	F	20	Y	
118	<i>Pittosporum undulatum</i>	Victorian Box	5, 4, 5, 4	30	F	F	20	Y	
119	<i>Pittosporum undulatum</i>	Victorian Box	5	35	F	F	20	Y	
120	<i>Sequoia sempervirens</i>	Coast Redwood	16	65	G	F	20	Y	Branch tip dieback
121	<i>Sequoia sempervirens</i>	Coast Redwood	12	60	F	P	20	Y	Branch tip dieback
122	<i>Sequoia sempervirens</i>	Coast Redwood	15	60	F	P	20	Y	Major dieback
123	<i>Sequoia sempervirens</i>	Coast Redwood	18	60	G	G	20	Y	



34 Corte Madera Avenue
Mill Valley, CA 94941

March 4, 2014

TO: Pete Choi
AECOM
300 California Street, Suite 400
San Francisco, CA 94104

Greta Brownlow
ATKINS
475 Sansome Street, Suite 2000
San Francisco, CA 94111

SUBJECT: 650 Indiana Street & 800 Indiana Street combined shadow analysis
ERRATA

CORRECTION

The following correction is made on Page 16:

The average duration of the shadow would be approximately 15 minutes with the range of duration from approximately 43 minutes (June 21st) to approximately ~~15~~ 8 minutes or a single recorded impact (~~August 9th and August 16th~~).

Please direct questions regarding this report directly to Adam Noble.

Regards,

Adam Noble

Adam Noble
President



SAN FRANCISCO PLANNING DEPARTMENT

Subject to: (Select only if applicable)

- Affordable Housing (Sec. 415)
- Jobs Housing Linkage Program (Sec. 413)
- Downtown Park Fee (Sec. 412)
- First Source Hiring (Admin. Code)
- Child Care Requirement (Sec. 414)
- Other

1650 Mission St.
Suite 400
San Francisco,
CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

Planning Commission Draft Motion

HEARING DATE: MAY 1, 2014

Date: April 24, 2014
Case No.: **2012.1574KX**
Project Address: **650 INDIANA STREET**
Zoning: UMU (Urban Mixed Use)
 58-X Height and Bulk District
Block/Lot: 4041/009
Project Sponsor: Michael Yarne
 315 Linden Street
 San Francisco, CA 94102
Staff Contact: Diego R Sánchez – (415) 575-9082
 diego.sanchez@sfgov.org

ADOPTING FINDINGS, WITH THE RECOMMENDATION OF THE GENERAL MANAGER OF THE RECREATION AND PARK DEPARTMENT, IN CONSULTATION WITH THE RECREATION AND PARK COMMISSION, THAT NET NEW SHADOW ON ESPRIT PARK BY THE PROPOSED PROJECT AT 650 INDIANA STREET WOULD NOT BE ADVERSE TO THE USE OF ESPRIT PARK.

PREAMBLE

Under Planning Code Section ("Section") 295, a building permit application for a project exceeding a height of 40 feet cannot be approved if there is any shadow impact on a property under the jurisdiction of the Recreation and Park Department, unless the Planning Commission, upon recommendation from the General Manager of the Recreation and Park Department, in consultation with the Recreation and Park Commission, makes a determination that the shadow impact will not be significant or adverse.

On February 7, 1989, the Recreation and Park Commission and the Planning Commission adopted criteria establishing absolute cumulative limits for additional shadows on fourteen parks throughout San Francisco (Planning Commission Resolution No. 11595).

Esprit Park is located on Lot 002 in Assessor's Block 4061, is generally bounded by Minnesota Street to the east, 19th Street to the North, Indiana Street to the west and 20th Street to the south. Esprit Park measures approximately 79,729 square feet and is characterized by expanses of grassy lawn encircled by a walking path and an array of maturing trees. The neighborhood immediately surrounding Esprit Park is characterized by one- and two-story buildings, typically of non-residential use. The neighborhood encompassing Esprit Park is part of the Eastern Neighborhoods Area Plan and is envisioned, generally, for increased building heights and residential density.

On an annual basis, the Theoretically Available Annual Sunlight ("TAAS") on Esprit Park (with no adjacent structures present) is approximately 296,706,366.08 square-foot-hours of sunlight. Existing structures in the area cast shadows on Esprit Park that total approximately 31,378,487 square-foot hours, or approximately 10.58 percent of the TAAS.

On April 5, 2013 Michael Yarne (hereinafter "Project Sponsor") filed an application with the Planning Department (hereinafter "Department") for a Shadow Impact Study and a Large Project Authorization on the property at 650 Indiana Street, west side of Indiana Street between 18th Street and 19th Street; Lot 009 in Assessor's Block 4041, (hereinafter "Subject Property") to construct two five-story residential buildings (hereinafter "the Project") at this site. The Project is located within an UMU (Urban Mixed Use) Zoning District a 58-X Height and Bulk District.

A technical memorandum, prepared by CADP, was submitted on February 19, 2014, analyzing the potential shadow impacts of the Project to properties under the jurisdiction of the Recreation and Parks Department (Case No. 2012.1574K). The memorandum concluded that the Project would cast approximately 147,734 square-foot-hours of new shadow on Esprit Park., equal to approximately 0.049 percent of the theoretically available annual sunlight ("TAAS") on Esprit Park.

On April 17, 2014, the Recreation and Park Commission conducted a duly noticed public hearing at a regularly scheduled meeting and recommended that the Planning Commission find that the shadows cast by the Project on Esprit Park will not be adverse to the use of Esprit Park.

The Planning Commission has reviewed and considered reports, studies, plans and other documents pertaining to the Project.

The Planning Commission has heard and considered the testimony presented at the public hearing and has further considered the written materials and oral testimony presented on behalf of the Project Sponsor, Department staff, and other interested parties.

FINDINGS

Having reviewed the materials identified in the recitals above, and having heard all testimony and arguments, this Commission finds, concludes, and determines as follows:

1. The foregoing recitals are accurate, and also constitute findings of this Commission.
2. The additional shadow cast by the Project, while numerically significant, would not be adverse, and is not expected to interfere with the use of the Park, for the following reasons:
 - a. The proposed project would reduce the annual available insolation by about 0.049 percent (a reduction of 147,734 square foot hours of sunlight). This results in a total shadow load of 31,526,221 square foot hours and a reduction of the available insolation to 10.63 percent.
 - b. Although the additional shadow cast by the proposed project has a numerically significant effect, the magnitude of the additional shadow is well below one tenth of one

percent, and amounts to a reasonable and extremely small loss of sunlight for a park in an area of slated for increased building heights and residential density.

- c. The net new shadow cast upon Esprit Park from the Project occurs exclusively within the last hour of time for which Proposition K is concerned; net new shadows occur exclusively in the evening.
 - d. The net new shadow cast is relatively small in area in comparison to the size of Esprit Park and at its greatest extent never exceeds 11.67 percent of the area of Esprit Park. The average duration of the net new shadow is 15 minutes and never exceeds 43 minutes.
3. A determination by the Planning Commission and the Recreation and Park Commission to allocate net new shadow to the Project does not constitute an approval of the Project.

DECISION

That based upon the Record, the submissions by the Project Sponsor, the staff of the Planning Department, the recommendation of the General Manager of the Recreation and Park Department, in consultation with the Recreation and Park Commission, and other interested parties, the oral testimony presented to the Planning Commission at the public hearing, and all other written materials submitted by all parties, the Planning Commission hereby DETERMINES, under Shadow Analysis Application No. **2012.1574K**, that the net new shadow cast by the Project on Esprit Park will not be adverse to the use of Esprit Park.

I hereby certify that the foregoing Motion was ADOPTED by the Planning Commission at its regular meeting on May 1, 2014.

Jonas P. Ionin
Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: May 1, 2014



SAN FRANCISCO PLANNING DEPARTMENT

Subject to: (Select only if applicable)

- | | |
|---|---|
| <input checked="" type="checkbox"/> Affordable Housing (Sec. 415) | <input checked="" type="checkbox"/> First Source Hiring (Admin. Code) |
| <input type="checkbox"/> Jobs Housing Linkage Program (Sec. 413) | <input type="checkbox"/> Child Care Requirement (Sec. 414) |
| <input type="checkbox"/> Downtown Park Fee (Sec. 412) | <input checked="" type="checkbox"/> Other (EN Impact Fees) |

1650 Mission St.
Suite 400
San Francisco,
CA 94103-2479

Reception:
415.558.6378

Fax:
415.558.6409

Planning
Information:
415.558.6377

Planning Commission Draft Motion

HEARING DATE: MAY 1, 2014

Date: April 24, 2014
Case No.: **2012.1574 KX**
Project Address: **650 INDIANA STREET**
Zoning: UMU (Urban Mixed Use)
58-X Height and Bulk District
Block/Lot: 4041/009
Project Sponsor: Michael Yarne
315 Linden Street
San Francisco, CA 94102
Staff Contact: Diego R Sánchez – (415) 575-9082
diego.sanchez@sfgov.org

ADOPTING FINDINGS RELATING TO LARGE PROJECT AUTHORIZATION PURSUANT TO PLANNING CODE SECTION 329 TO ALLOW NEW CONSTRUCTION OF TWO FIVE-STORY RESIDENTIAL BUILDINGS WITH UP TO 111 DWELLING UNITS AND TO ALLOW EXCEPTIONS FROM (1) REAR YARD REQUIREMENT PURSUANT TO PLANNING CODE SECTION 134, (2) DWELLING UNIT EXPOSURE REQUIREMENT PURSUANT TO PLANNING CODE SECTION 140 AND (3) HORIZONTAL MASS REDUCTION REQUIREMENT PURSUANT TO PLANNING CODE SECTION 270.1 AND TO ADOPT FINDINGS UNDER THE CALIFORNIA ENVIRONMENTAL QUALITY ACT AT 650 INDIANA STREET, LOT 009 IN ASSESSOR'S BLOCK 4041, WITHIN THE UMU (URBAN MIXED USE) ZONING DISTRICT AND A 58-X HEIGHT AND BULK DISTRICT.

PREAMBLE

On October 3, 2010 Michael Yarne (hereinafter "Project Sponsor") filed an application with the Planning Department (hereinafter "Department") for a Large Project Authorization under Planning Code Section 329 to allow new construction of two five-story residential buildings with up to 111 dwelling units and to allow exceptions from the following: (1) Rear Yard pursuant to Planning Code Section 134, (2) Dwelling Unit Exposure pursuant to Planning Code Section 140 and (3) Horizontal Mass Reduction pursuant to Planning Code Section 270.1 on the property at 650 Indiana Street, west side of Indiana Street between 18th Street and 19th Street; Lot 009 in Assessor Block 4041 (hereinafter "Subject Property"). The project is located within a UMU (Urban Mixed Use) Zoning District a 58-X Height and Bulk District.

The environmental effects of the Project were determined by the San Francisco Planning Department to have been fully reviewed under the Eastern Neighborhoods Area Plan Environmental Impact Report (hereinafter "EIR"). The EIR was prepared, circulated for public review and comment, and, at a public hearing on August 7, 2008, by Motion No. 17661, certified by the Commission as complying with the California Environmental Quality Act (Cal. Pub. Res. Code Section 21000 et seq., (hereinafter "CEQA"). The Commission has reviewed the Final EIR, which has been available for this Commission's review as well as public review.

The Eastern Neighborhoods EIR is a Program EIR. Pursuant to CEQA Guideline 15168(c)(2), if the lead agency finds that no new effects could occur or no new mitigation measures would be required of a proposed project, the agency may approve the project as being within the scope of the project covered by the program EIR, and no additional or new environmental review is required. In approving the Eastern Neighborhoods Plan, the Commission adopted CEQA Findings in its Motion No. 17661 and hereby incorporates such Findings by reference.

Additionally, State CEQA Guidelines Section 15183 provides a streamlined environmental review for projects that are consistent with the development density established by existing zoning, community plan or general plan policies for which an EIR was certified, except as might be necessary to examine whether there are project-specific effects which are peculiar to the project or its site. Section 15183 specifies that examination of environmental effects shall be limited to those effects that (a) are peculiar to the project or parcel on which the project would be located, (b) were not analyzed as significant effects in a prior EIR on the zoning action, general plan or community plan with which the project is consistent, (c) are potentially significant off-site and cumulative impacts which were not discussed in the underlying EIR, or (d) are previously identified in the EIR, but which are determined to have a more severe adverse impact than that discussed in the underlying EIR. Section 15183(c) specifies that if an impact is not peculiar to the parcel or to the proposed project, then an EIR need not be prepared for that project solely on the basis of that impact.

On March 28, 2014, the Department determined that the proposed application did not require further environmental review under Section 15183 of the CEQA Guidelines and Public Resources Code Section 21083.3. The Project is consistent with the adopted zoning controls in the Eastern Neighborhoods Area Plan and was encompassed within the analysis contained in the Eastern Neighborhoods Final EIR. Since the Eastern Neighborhoods Final EIR was finalized, there have been no substantial changes to the Eastern Neighborhoods Area Plan and no substantial changes in circumstances that would require major revisions to the Final EIR due to the involvement of new significant environmental effects or an increase in the severity of previously identified significant impacts, and there is no new information of substantial importance that would change the conclusions set forth in the Final EIR. The file for this project, including the Eastern Neighborhoods Final EIR and the Community Plan Exemption certificate, is available for review at the San Francisco Planning Department, 1650 Mission Street, Suite 400, San Francisco, California.

Planning Department staff prepared a Mitigation Monitoring and Reporting Program (MMRP) setting forth mitigation measures that were identified in the Eastern Neighborhoods Plan EIR that are applicable

to the project. These mitigation measures are set forth in their entirety in the MMRP attached to the draft Motion as Exhibit C.

The Planning Department, Jonas P. Ionin, is the custodian of records, located in the File for Case No. 2012.1574 KX at 1650 Mission Street, Fourth Floor, San Francisco, California.

On May 1, 2014, the San Francisco Planning Commission (hereinafter "Commission") conducted a duly noticed public hearing at a regularly scheduled meeting on a Large Project Authorization, Application No. 2012.1574 KX.

The Commission has heard and considered the testimony presented to it at the public hearing and has further considered written materials and oral testimony presented on behalf of the applicant, Department staff, and other interested parties.

MOVED, that the Commission hereby authorizes the Large Project Authorization requested in Application No. 2012.1574 KX, subject to the conditions contained in "EXHIBIT A" of this motion, based on the following findings:

FINDINGS

Having reviewed the materials identified in the preamble above, and having heard all testimony and arguments, this Commission finds, concludes, and determines as follows:

1. The above recitals are accurate and constitute findings of this Commission.
2. **Site Description and Present Use.** The project is located on the west side of Indiana Street, between 18th and 19th Streets. The lot is approximately 26,610 square feet in area with 351 feet of frontage along Indiana Street and a depth of approximately 76 feet. A night club (Café Cocomo), a sound studio and storage and staging space are located within a series of existing warehouse structures on the property. There is also, at the northern portion of the subject property, area for off-street parking and equipment storage
3. **Surrounding Properties and Neighborhood.** The project is located within the Dogpatch neighborhood and is immediately to the northwest of Esprit Park. Properties in the area are commercial and light industrial in nature. Buildings are one- and two-story in height. Residential uses are located south of 20th Street, two blocks from the subject property. Immediately to the west of the subject property is the embankment leading to Interstate 280. This lot is irregularly shaped, and varies in width from 51 feet at the southern boundary to 82 feet at the northern boundary. To the east of the subject property are two-story commercial buildings, including an office building and a building with light manufacturing uses. To the north of the site is a warehouse building. The southern boundary of the subject property is 19th Street. Properties in the surrounding area are in the UMU (Urban Mixed Use) and P (Public) Zoning Districts.

4. **Project Description.** The project proposes to demolish existing warehouse and storage structures located on the subject property and construct two five-story residential buildings with 111 residential units and approximately 1,900 gross square feet of ground-floor neighborhood-serving retail uses. In total the new structures would measure approximately 122,185 gross square feet. The project would consist of two architecturally distinct, approximately 58-foot-tall, five-story buildings, which would be separated by a pedestrian alleyway. Off-street parking is proposed within a subterranean garage that is accessed at the north end of the subject property.
5. **Public Comment.** The Planning Department has received nine letters of support for the project and one email and telephone call with concerns regarding the proposed demolition of Interstate 280 and the analysis of the proposed project.
6. **Planning Code Compliance:** The Commission finds that the Project is consistent with the relevant provisions of the Planning Code in the following manner:

- A. **Rear Yard.** Planning Code Section 134 requires a rear yard shall be equal to 25 percent of the total depth of the lot on which the building is situated, but in no case less than 15 feet.

The project is not providing a Planning Code complying rear yard and is seeking an exception from this requirement pursuant to Planning Section 329.

- B. **Useable Open Space for Dwelling Units.** Planning Code Section 135 requires a minimum of 80 square feet of useable open space for each dwelling unit or 54 square feet if that useable open space is made publically accessible. Any amount of useable open space not provided is subject to the provisions of Planning Code Section 427.

The project is proposing 2,175 square feet of publically accessible open space, satisfying the useable open space requirement for 40 units. The project is proposing approximately 6,401 square feet of useable open space on roof decks, private decks and courtyards, exceeding the 5,658 square feet required for the remaining 71 dwelling units.

- C. **Useable Open Space for Uses Other than Dwelling Units.** Planning Code Section 135.3 requires a minimum of one square foot of useable open space for each 250 square feet of occupied floor area for retail businesses within the Eastern Neighborhoods Mixed Use Districts.

The project is proposing approximately 1,144 square feet of occupied floor area of retail uses and is provided the required 4.5 square feet of useable open space within the publically accessible courtyard.

- D. **Streetscape and Pedestrian Improvements.** Planning Code Section 138.1 requires one new street tree for every 20 feet of street frontage for projects proposing new construction and requires streetscape and pedestrian elements in conformance with the Better Streets Plan when a project is on a lot that is greater than ½-acre in total area and the project includes new construction.

The project is proposing the new construction of two five-story residential buildings on a lot that is more than ½ an acre in size with 351 feet of frontage along Indiana Street and 76 feet of frontage along 19th Street. The project is providing 22 street trees, in compliance with Planning Code Section 138.1. The Project Sponsor will also submit a streetscape plan to the Planning Department that will be reviewed for conformance with the Better Streets Plan.

- E. **Dwelling Unit Exposure.** Planning Code Section 140 requires each dwelling unit to face directly on a public street, public alley at least 25 feet in width, side yard at least 25 feet in width, a rear yard meeting the requirements of this Code or an outer court whose width is 25 feet or an open area no less than 25 feet in every horizontal dimension for the floor at which the dwelling unit in question is located and the floor immediately above it, with an increase of five feet in every horizontal dimension at each subsequent floor.

There are four units that do not face an area as required by Planning Code Section 140. An exception is being sought pursuant to Planning Code Section 140.

- F. **Street Frontage in Mixed Use Districts.** Section 145.1 of the Planning Code requires off-street parking at street grade on a development lot to be set back at least 25 feet on the ground floor; that no more than one-third of the width or 20 feet, whichever is less, of any given street frontage of a new or altered structure parallel to and facing a street shall be devoted to parking and loading ingress or egress; that space for active uses be provided within the first 25 feet of building depth on the ground floor; that non-residential uses have a minimum floor-to-floor height of 14 feet; that the floors of street-fronting interior spaces housing non-residential active uses and lobbies be as close as possible to the level of the adjacent sidewalk at the principal entrance to these spaces; and that frontages with active uses that are not residential or PDR be fenestrated with transparent windows and doorways for no less than 60 percent of the street frontage at the ground level.

The project is proposing the off-street parking to be located within a subterranean garage. The off-street parking entrance on Indiana Street is approximately 18 feet in width. Residential uses are considered active uses on the ground floor if they are consistent with the guidelines for ground floor residential uses. The proposed ground floor residential units are found to be consistent with the guidelines for ground floor residential units. The proposed ground floor retail space at the southern boundary has a floor-to-floor height of 17 feet and is fenestrated with transparent windows in excess of 60 percent of the street frontage.

- G. **Off-Street Parking.** Planning Section 151.1 of the Planning Code allows as of right up to three off-street parking spaces for every four dwelling units within the UMU Zoning District.

The project is proposing 111 dwelling units and is allowed, as of right, up to 83 off-street parking spaces. The project is proposing 79 off-street parking spaces.

- H. **Bicycle Parking Requirement.** Planning Code Section 155.2 requires at least one Class 1 bicycle parking space for each dwelling unit plus one Class 1 space for every four dwelling units over 100 as well as one Class 2 bicycle parking space for each 20 dwelling units. Section 155.2 also requires at least two Class 2 bicycle parking spaces for the retail component.

The project is proposing up to 111 dwelling units and approximately 1,144 square feet of occupied floor area of retail space and requires at least 103 Class 1 bicycle parking spaces and six Class 2 bicycle parking spaces for the residential component and two Class 2 bicycle parking spaces for the retail component. The project is proposing 111 Class 1 bicycle parking spaces and eight Class 2 bicycle parking spaces, in compliance with Planning Code Section 155.2.

- I. **Car Sharing.** In newly constructed buildings containing residential uses, Planning Code Section 166 requires, if parking is provided, car-share parking spaces to be provided based on the number of dwelling units in the amount specified in Table 166.

The project is proposing up to 111 dwelling units and is required to provide at least one car sharing space. The project is proposing one car sharing space.

- J. **Minimum Dwelling Unit Mix.** Planning Section 207.6 requires new residential projects proposing at least five dwelling units to provide either 40 percent of the total number of proposed dwelling units as two bedroom units or 30 percent of the total number of proposed dwelling units as three bedrooms units.

The project is proposing up 111 dwelling units of which 45 will be two bedroom units or larger. This is equivalent to 41% of all dwelling units being two bedroom units.

- K. **Horizontal Mass Reduction.** Planning Code Section 270.1 requires the incorporation of one or more mass reduction breaks in buildings to reduce the horizontal scale of the building into discrete sections not more than 200 feet in length when a building is has a street frontage greater than 200 feet in length. The mass reduction breaks shall be not less than 30 feet in width; be not less than 60 feet in depth from the street-facing building facade; extend up to the sky from a level not higher than 25 feet above grade or the third story, whichever is lower; and result in discrete building sections with a maximum plan length along the street frontage not greater than 200 feet.

The project has 351 feet of street frontage along Indiana Street and is subject to the Horizontal Mass Reduction requirement. While the project does provide multiple horizontal mass reductions along the Indiana Street frontage, none are 30 feet in width. The project is seeking an exception pursuant to Planning Code Section 329.

- L. **Shadow Impact Analysis.** Planning Code Section 295 restricts net new shadow, cast by structures exceeding a height of 40 feet, upon property under the jurisdiction of the Recreation and Park Commission. Any project in excess of 40 feet in height and found to cast net new shadow must be found by the Planning Commission, with comment from the

General Manager of the Recreation and Parks Department, in consultation with the Recreation and Park Commission, to have no adverse impact upon the property under the jurisdiction of the Recreation and Park Commission.

The project is proposing two five-story residential buildings each 58 feet in height, as measured to the finished roof, and was found to cast new shadow upon Esprit Park, a property under the jurisdiction of the Recreation and Park Commission. The Planning Commission finds the new shadow, after comment from the General Manager of the Recreation and Parks Department, in consultation with the Recreation and Park Commission, to have no adverse impact upon Esprit Park.

- M. **Neighborhood Notification.** Planning Section 312 requires neighborhood notification when proposing a change of use from one land use category to another within the Eastern Neighborhoods Mixed Use Districts.

The project is proposing a change of use from the Industrial, Home and Business Service land use category to the Residential Uses land use category and has conducted the required notification in conjunction with the notification for the Large Project Authorization.

- N. **Inclusionary Affordable Housing Program.** Planning Code Section 419 sets forth the requirements and procedures for the Inclusionary Affordable Housing Program for projects within the UMU Zoning District. Under Planning Code Section 419.3, these requirements would apply to projects that consist of ten or more units. For all projects sites designated as Tier A, a minimum of 14.4 percent of the total units constructed shall be affordable to and occupied by qualifying persons and families, so that a project sponsor must construct .144 times the total number of units produced in the principal project beginning with the construction of the tenth unit. The subject property is designated as a Tier A property.

The Project Sponsor has elected to construct 14.4 percent of all units as affordable units, in compliance with Planning Code Section 419. The project sponsor has submitted a 'Affidavit of Compliance with the Inclusionary Affordable Housing Program: Planning Code Section 419,' to satisfy the requirements of the Inclusionary Affordable Housing Program by providing the affordable housing on-site instead of through payment of the Affordable Housing Fee. In order for the Project Sponsor to be eligible for the On-Site Affordable Housing Alternative, the Project Sponsor must submit an 'Affidavit of Compliance with the Inclusionary Affordable Housing Program: Planning Code Section 419,' to the Planning Department stating that any affordable units designated as on-site units shall be sold as ownership units and will remain as ownership units for the life of the project. The Project Sponsor submitted such Affidavit on April 2, 2014. The EE application was submitted on March 11, 2013. Pursuant San Francisco Charter Section 16.110 (g) the on-site requirement stipulated in Planning Code Section 419.6, is reduced to 14.4%. 16 units (five studio units, four one-bedroom units, six two-bedroom units and one three-bedroom unit) of the 111 units provided will be affordable units. If the Project becomes ineligible to meet its Inclusionary Affordable Housing Program obligation through the On-site Affordable Housing Alternative, it must pay the Affordable Housing Fee with interest, if applicable.

- O. **Transit Impact Development Fee.** Planning Code Section 411 applies the Transit Impact Development Fee to projects cumulatively creating more than 800 gross square feet of non-residential uses including Retail/Entertainment, Management, Information and Professional Services and Production/Distribution/Repair

The project is proposing approximately 1,900 gross square feet of retail use. This use is subject to the Transit Impact Development Fee at the per gross square foot rate in place at time of building permit issuance

- P. **Eastern Neighborhood Infrastructure Impact Fees.** Planning Code Section 423 is applicable to any development project within the UMU (Urban Mixed Use) Zoning District that results in at least one net new residential and/or any replacement of gross square feet or change of use.

The project is proposing 111 dwelling units within two residential structures of approximately 122,185 gross square feet in size. The project is also replacing the existing PDR uses through demolition of those structures. The project is subject to Planning Code Section 423 and all associated impact fees must be paid prior to the issuance of the building permit application.

7. **General Compliance with the Large Project Authorization in Eastern Neighborhoods Mixed Use District Objectives.** Planning Code Section 329(c) lists nine aspects of design review in which a project must comply; the Planning Commission finds that the project is compliant with these nine aspects as follows:

- A. Overall building mass and scale.

The proposed building mass and scale is appropriate for the context which is characterized by bulky light-industrial buildings. The building mass of the proposed project is carefully broken down by the use of courtyards accessible from the public right of way on the northern boundary as well as through the use of a 16 foot by 26 foot massing break at the third and fourth stories of the southern building. The buildings are adequately setback from the front property line, where appropriate, or feature raised courtyards to provide a buffer between the public and private realms.

- B. Architectural treatments, facade design and building materials:

The proposed project is composed of two distinct buildings. The southern building fronts 19th and Indiana Streets and provides a strong presence at that intersection. A retail eating and drinking establishment is proposed at the corner, and is designed to provide visual permeability into the interior courtyard of the southern building. The frontage along Indiana Street also provides a sense of permeability as interior spaces are 15 feet in height and completely glazed. The upper stories feature randomly placed bays as well as a 16 foot by 26 foot massing break at the third and fourth stories which serve to provide a sense of depth and articulation. The dominant façade material is metal- the panels, operable vents and windows are of this contemporary material. Cement plaster is used to a

much lesser degree and is found primarily at the rear façade, at the penthouse and within the interior courtyard.

The northern building also features a similar material palette in that it uses cement plaster, corten metal panels and metal windows, thereby providing a sense of unity between the two buildings. However, the northern building, in conjunction with the mid-block alley known as the Cocomo Mews, provides a pleasant rhythm of open space to building mass which is in contrast to the solid presence of the southern building. The northern building features two raised courtyards situated between alternating building masses. Cement plaster is used at the last building mass as an accent and to signal the end of the building.

- C. The design of lower floors, including building setback areas, commercial space, townhouses, entries, utilities, and the design and siting of rear yards, parking and loading access;

As mentioned above, the southern building features a corner retail eating and drinking establishment that is fenestrated to provide visual sightlines into the interior courtyard of that building. The ground floors are residential, 15 feet in height and provide a landscaped setback as a buffer between the private and public realms. The northern building also provides a landscaped buffer as well as raised entries into the residential ground floor units. The sole off-street parking entrance for the entire project is located at the northern end of the northern building.

- D. The provision of required open space, both on- and off-site. In the case of off-site publicly accessible open space, the design, location, access, size, and equivalence in quality with that otherwise required on-site;

The required useable open space for the dwelling units is provided on private decks, common roof decks and in courtyards. These spaces are easily accessible to the dwelling units and are of ample size.

- E. The provision of mid-block alleys and pathways on frontages between 200 and 300 linear feet per the criteria of Section 270, and the design of mid-block alleys and pathways as required by and pursuant to the criteria set forth in Section 270.2;

While the project is not required to provide a mid-block alley pursuant to Planning Code Section 270.2 given that the project is not on a block longer than 400 feet between intersections, the project does provide a publically accessible alley that splits the site in two between the buildings. This pedestrian alley is more than 27 feet wide from building face to building face and is in excess of 60% open to the sky; provides ingress and egress that make the area easily accessible to the general public; is protected from uncomfortable winds; and will feature a small bicycle shop at the rear of the alley.

- F. Streetscape and other public improvements, including tree planting, street furniture, and lighting.

The proposed project will provide the required street trees, in accordance with Planning Code Section 138.1, and will submit a streetscape improvement plan in accordance with the Better Streets Plan.

G. Circulation, including streets, alleys and mid-block pedestrian pathways;

Automobile access is provided exclusively through the sole garage entrance at the northern end of the subject property. The project eliminates approximately 60 linear feet of existing curb cuts, aiding in lower the number of potential automobile-pedestrian conflicts. The project provides a mid-block alley that separates the two residential buildings and that provides an area for gathering and recreation.

H. Bulk limits;

The proposed project is within an 'X' bulk district, which does not restrict bulk.

I. Other changes necessary to bring a project into conformance with any relevant design guidelines, Area Plan or Element of the General Plan;

The proposed project, on balance, meets the Objectives and Policies of the General Plan.

8. **Exceptions.** Proposed Planning Code Section 329 allows exceptions for Large Projects in the Eastern Neighborhoods Mixed Use Districts:

A. Where not specified elsewhere in Planning Code Section 329(d), modification of other Code requirements which could otherwise be modified as a Planned Unit Development (as set forth in Section 304), irrespective of the zoning district in which the property is located.

The proposed project is seeking exceptions from the rear yard requirement (Section 134), dwelling unit exposure (Section 140) and horizontal mass reduction (Section 270.1).

Planning Code Section 134 requires the project to provide a rear yard equivalent to 25% of lot depth at the rear of the yard and at the lowest story containing a dwelling unit. To meet this requirement the project would need to provide a space that is only 18 ¾ feet in width, but would run parallel to Interstate 280 and be fully exposed to the noise generated by that freeway. In lieu of such a space, the project is proposing to provide multiple spaces on the site that are much more useable not only by the residents of the project but also for the general public. The project is proposing over 13,000 square feet of open areas through courtyards, decks and publically accessible alleys, in excess of the approximately 6,600 square feet of rear yard that is required by the Planning Code.

Planning Code Section 140 requires each dwelling unit to face directly on a public street, public alley at least 25 feet in width, side yard at least 25 feet in width, a rear yard meeting the requirements of this Code or an outer court whose width is 25 feet or an open area no less than 25 feet in every horizontal dimension for the floor at which the dwelling unit in question is located and the floor immediately above it, with an increase of five feet in every horizontal dimension at each subsequent floor. The project is proposing four units that do not meet this requirement. All other units either face Indiana Street, a public street in excess of 25 feet in width, face an outer court whose width is at least 25 feet, an inner court that is no less than 25 feet in every horizontal dimension for the floor at which the

dwelling unit in question is located and the floor immediately above it, with an increase of five feet in every horizontal dimension at each subsequent floor, or face 19th Street another public street in excess of 25 feet in width.

Planning Code Section 270.1 requires a mass reduction break not less than 30 feet in width and not less than 60 feet in depth from the street-facing building façade, extending up to the sky from a level not higher than 25 feet above grade or the third story, whichever is lower and resulting in discrete building sections with a maximum plan length along the street frontage not greater than 200 feet. The project proposes multiple mass reduction breaks throughout the project; however not one is in excess of 30 feet in width. Nonetheless, there is 26 foot wide mass break in the southern building, the 27 foot wide public alley that separates the two buildings, and two 25 foot wide mass breaks in the northern building, all of which serve to reduce mass and meet or exceed the intent of Planning Code Section 270.1.

9. **General Plan Compliance.** The Project is, on balance, consistent with the following Objectives and Policies of the General Plan:

HOUSING ELEMENT

Objectives and Policies

OBJECTIVE 1:

IDENTIFY AND MAKE AVAILABLE FOR DEVELOPMENT ADEQUATE SITES TO MEET THE CITY'S HOUSING NEEDS, ESPECIALLY PERMANENTLY AFFORDABLE HOUSING.

Policy 1.8:

Promote mixed use development, and include housing, particularly permanently affordable housing, in new commercial, institutional or other single use development projects.

The proposed project includes retail and residential components, making it a mixed use development, and will satisfy its affordable housing requirement through the on-site alternative, creating permanently affordable housing on the subject property.

OBJECTIVE 4:

FOSTER A HOUSING STOCK THAT MEETS THE NEEDS OF ALL RESIDENTS ACROSS LIFECYCLES.

Policy 4.1:

Develop new housing, and encourage the remodeling of existing housing, for families with children.

Policy 4.6:

Encourage an equitable distribution of growth according to infrastructure and site capacity.

The proposed project exceeds the minimum dwelling unit mix requirement by providing more than 40% of its units as two-bedroom units or larger. The proposed project is located in an area planned for such housing growth and is also adjacent to a 1.8 acre public park.

OBJECTIVE 5:

ENSURE THAT ALL RESIDENTS HAVE EQUAL ACCESS TO AVAILABLE UNITS.

Policy 5.4:

Provide a range of unit types for all segments of need, and work to move residents between unit types as their needs change.

The Project proposes a mix of unit types, including studio, loft, one- and two-bedroom apartments, which may suit the needs of a variety of households including singles, families and the elderly.

OBJECTIVE 11:

SUPPORT AND RESPECT THE DIVERSE AND DISTINCT CHARACTER OF SAN FRANCISCO'S NEIGHBORHOODS.

Policy 11.1:

Promote the construction and rehabilitation of well-designed housing that emphasizes beauty, flexibility, and innovative design, and respects existing neighborhood character.

Policy 11.3:

Ensure growth is accommodated without substantially and adversely impacting existing residential neighborhood character.

Policy 11.6:

Foster a sense of community through architectural design, using features that promote community interaction

While the two residential buildings are designed for each to express a level of distinction, there are a number of features that promote cohesion and a sense of place on the project site. The mid-block alley, known as the Cocomo Mews, serves as a gathering space for residents and the public and can be accessed from the interior courtyards of each residential building in addition to the public right of way. The two buildings are situated so as to provide a punctuated street wall; the retail component at the southern building is designed to provide a continuous line of sight from the public right of way through the retail space and into the interior courtyard while the northern building provides two graciously sized raised courtyards that, in concert with the Cocomo Mews, establishes an agreeable rhythm of open and closed space along the street frontage. The project is of a compatible scale with the future development as the area is slated for increased residential development.

COMMERCE AND INDUSTRY ELEMENT

Objectives and Policies

OBJECTIVE 1:

MANAGE ECONOMIC GROWTH AND CHANGE TO ENSURE ENHANCEMENT OF THE TOTAL CITY LIVING AND WORKING ENVIRONMENT.

Policy 1.1:

Encourage development which provides substantial net benefits and minimizes undesirable consequences. Discourage development that has substantial undesirable consequences that cannot be mitigated.

Policy 1.2:

Assure that all commercial and industrial uses meet minimum, reasonable performance standards.

Policy 1.3:

Locate commercial and industrial activities according to a generalized commercial and industrial land use plan.

The project is proposing a retail café at the southern end of the subject property. This use will provide desirable goods and services to residents of the project as well as to the greater neighborhood which is consistent with the UMU Zoning District.

OBJECTIVE 2:

MAINTAIN AND ENHANCE A SOUND AND DIVERSE ECONOMIC BASE AND FISCAL STRUCTURE FOR THE CITY.

Policy 2.1:

Seek to retain existing commercial and industrial activity and to attract new such activity to the City.

Policy 2.3:

Maintain a favorable social and cultural climate in the city in order to enhance its attractiveness as a firm location

The retail café adds to the vibrancy of the proposed project and helps create a café culture, enlivening not only the street along the proposed project, but also the adjacent public park. This situation creates a favorable social and cultural climate that is attractive to many firms and may influence their decision on firm location.

TRANSPORTATION ELEMENT

Objectives and Policies

OBJECTIVE 24:

IMPROVE THE AMBIENCE OF THE PEDESTRIAN ENVIRONMENT.

Policy 24.2:

Maintain and expand the planting of street trees and the infrastructure to support them.

The Project will install street trees at approximately 20 foot intervals along the Indiana Street frontage, in compliance with requirements.

OBJECTIVE 28:

PROVIDE SECURE AND CONVENIENT PARKING FACILITIES FOR BICYCLES.

Policy 28.1:

Provide secure bicycle parking in new governmental, commercial, and residential developments.

Policy 28.3:

Provide parking facilities which are safe, secure, and convenient.

The project includes 111 bicycle parking spaces in secure, convenient locations on the subject property.

URBAN DESIGN ELEMENT

Objectives and Policies

OBJECTIVE 4:

IMPROVEMENT OF THE NEIGHBORHOOD ENVIRONMENT TO INCREASE PERSONAL SAFETY, COMFORT, PRIDE AND OPPORTUNITY.

Policy 4.4:

Design walkways and parking facilities to minimize danger to pedestrians.

Policy 4.8:

Provide convenient access to a variety of recreation opportunities.

Policy 4.10:

Encourage or require the provision of recreation space in private development.

The proposed project eliminates approximately 60 linear feet of existing curb cuts and locates the sole curb cut in project that leads into the subterranean off-street parking garage at the northern end of the subject property. The proposed project provides a mid-block alley, known as the Cocomo Mews, as an amenity for recreation and general gathering within the property. In addition the proposed project is adjacent to Esprit Park, a 1.8 acre public park.

CENTRAL WATERFRONT AREA PLAN

Objectives and Policies

OBJECTIVE 1.2:

IN AREAS OF THE CENTRAL WATERFRONT WHERE HOUSING AND MIXED-USE IS ENCOURAGED, MAXIMIZE DEVELOPMENT POTENTIAL IN KEEPING WITH NEIGHBORHOOD CHARACTER.

Policy 1.2.1:

Ensure that infill housing development is compatible with its surroundings.

The design of the proposed project is contemporary in nature and given the existing non-residential uses, is compatible with the general character. It is important to note that the proposed project will set the tone for future residential development in the area.

OBJECTIVE 2.1:

ENSURE THAT A SIGNIFICANT PERCENTAGE OF NEW HOUSING CREATED IN THE CENTRAL WATERFRONT IS AFFORDABLE TO PEOPLE WITH A WIDE RANGE OF INCOMES.

Policy 2.1.3:

Provide units that are affordable to households at moderate and "middle incomes" – working households earning above traditional below-market-rate thresholds but still well below what is needed to buy a market priced home, with restrictions to ensure affordability continues.

The proposed project will satisfy its affordable housing requirement by electing the on-site alternative and providing 16 affordable units on site.

OBJECTIVE 2.3:

REQUIRE THAT A SIGNIFICANT NUMBER OF UNITS IN NEW DEVELOPMENTS HAVE TWO OR MORE BEDROOMS EXCEPT SENIOR HOUSING AND SRO DEVELOPMENTS UNLESS ALL BELOW MARKET RATE UNITS ARE TWO OR MORE BEDROOM UNITS.

Policy 2.3.3:

Require that a significant number of units in new developments have two or more bedrooms, except Senior Housing and SRO developments.

The proposed project will satisfy the dwelling unit mix requirement by providing in excess of 40% of the units as two-bedroom units or larger.

OBJECTIVE 3.1:

PROMOTE AN URBAN FORM THAT REINFORCES THE CENTRAL WATERFRONT'S DISTINCTIVE PLACE IN THE CITY'S LARGER FORM AND STRENGTHENS ITS PHYSICAL FABRIC AND CHARACTER.

Policy 3.1.6:

New buildings should epitomize the best in contemporary architecture, but should do so with full awareness of, and respect for, the height, mass, articulation and materials of the best of the older buildings that surrounds them.

The proposed project is comprised of two separate buildings that distinguish themselves from each other while providing a sense of unity through material palette and contemporary architectural style. Given that the proposed project is the first major residential project in the area, an area that is characterized by bulky, one and two story non-residential buildings, the proposed project will set the standard for future development.

OBJECTIVE 3.2:

PROMOTE AN URBAN FORM AND ARCHITECTURAL CHARACTER THAT SUPPORTS WALKING AND SUSTAINS A DIVERSE, ACTIVE AND SAFE PUBLIC REALM.

Policy 3.2.1:

Require high quality design of street-facing building exteriors.

Policy 3.2.3:

Minimize the visual impact of parking.

Policy 3.2.4:

Strengthen the relationship between a building and its fronting sidewalk.

The facades of both buildings are of high quality and in a contemporary architectural style. Both buildings provide an adequate buffer between the private, residential uses and the public right of way immediately in front of those units through landscaping as well as through raised entries. The project is proposing only one off-street parking entrance for both buildings and is locating the entrance at the northern end of the subject property.

OBJECTIVE 4.1:

IMPROVE PUBLIC TRANSIT TO BETTER SERVE EXISTING AND NEW DEVELOPMENT IN CENTRAL WATERFRONT.

Policy 4.1.4:

Reduce existing curb cuts where possible and restrict new curb cuts to prevent vehicular conflicts with transit on important transit and neighborhood commercial streets.

The proposed project is will eliminate 50 linear feet of existing curb cuts and locate the sole curb cut at the northern end of the subject property.

OBJECTIVE 5.2:

ENSURE THAT NEW DEVELOPMENT INCLUDES HIGH QUALITY PRIVATE OPEN SPACE.

Policy 5.2.1:

Require new residential and mixed-use residential development to provide on-site private open space designed to meet the needs of residents.

Policy 5.2.4:

Encourage publicly accessible open space as part of new residential and commercial development.

Policy 5.2.5:

New development will respect existing patterns of rear yard open space. Where an existing pattern of rear yard open space does not exist, new development on mixed-use-zoned parcels has flexibility as to where open space can be located.

The proposed project will provide on-site private open space for many of the proposed dwelling units and will also provide open space that can be accessed by the public. The subject block does not have a strong pattern of rear yard open space and will locate the open space on roof decks, balconies and courtyards.

10. **Planning Code Section 101.1(b)** establishes eight priority-planning policies and requires review of permits for consistency with said policies. On balance, the project does comply with said policies in that:

A. That existing neighborhood-serving retail uses be preserved and enhanced and future opportunities for resident employment in and ownership of such businesses be enhanced.

The proposal will enhance the neighborhood-serving retail uses by introducing a large number of potential patrons to the area.

B. That existing housing and neighborhood character be conserved and protected in order to preserve the cultural and economic diversity of our neighborhoods.

The proposed buildings are designed in a manner that complements the current light industrial character of the area, with an eye toward establishing a framework from which subsequent residential development may draw inspiration, given the quality of design proposed.

C. That the City's supply of affordable housing be preserved and enhanced,

The proposed development will add 111 new dwelling units, of which 16 will be affordable under Planning Code Sections 415 and 419.

D. That commuter traffic not impede MUNI transit service or overburden our streets or neighborhood parking.

It is not anticipated that commuter traffic will impede MUNI transit or overburden streets or neighborhood parking as the sole automobile entrance is at the northern end of the subject property and the subterranean garage provides off-street parking.

- E. That a diverse economic base be maintained by protecting our industrial and service sectors from displacement due to commercial office development, and that future opportunities for resident employment and ownership in these sectors be enhanced.

The proposed project will not displace industrial and service sector establishments with commercial office development as the proposed project is primarily residential.

- F. That the City achieve the greatest possible preparedness to protect against injury and loss of life in an earthquake.

The proposed project is designed and will be constructed to conform to the structural and seismic safety requirements of the Building Code.

- G. That landmarks and historic buildings be preserved.

The Historic Preservation Technical Specialist for the Southeast Quadrant indicates the absence of an historic resource on the subject property.

- H. That our parks and open space and their access to sunlight and vistas be protected from development.

The Planning Commission found that the net new shadow cast by the project upon Esprit Park will not be adverse to the use of the park.

11. First Source Hiring. The Project is subject to the requirements of the First Source Hiring Program as they apply to permits for residential development (Section 83.4(m) of the Administrative Code), and the Project Sponsor shall comply with the requirements of this Program as to all construction work and on-going employment required for the Project. Prior to the issuance of any building permit to construct or a First Addendum to the Site Permit, the Project Sponsor shall have a First Source Hiring Construction and Employment Program approved by the First Source Hiring Administrator, and evidenced in writing. In the event that both the Director of Planning and the First Source Hiring Administrator agree, the approval of the Employment Program may be delayed as needed.

The Project Sponsor submitted a First Source Hiring Affidavit and prior to issuance of a building permit, will execute a First Source Hiring Memorandum of Understanding and a First Source Hiring Agreement with the City's First Source Hiring Administration.

12. The Project is consistent with and would promote the general and specific purposes of the Code provided under Section 101.1(b) in that, as designed, the Project would contribute to the character and stability of the neighborhood and would constitute a beneficial development.

13. The Commission hereby finds that approval of the Large Project Authorization would promote the health, safety and welfare of the City.

DECISION

That based upon the Record, the submissions by the Applicant, the staff of the Department and other interested parties, the oral testimony presented to this Commission at the public hearings, and all other written materials submitted by all parties, the Commission hereby **APPROVES Large Project Authorization Application No. 2012.1574KX** under Planning Code Sections 329 to allow the new construction of two five-story residential buildings with up to 111 dwelling units and exceptions from the rear yard, dwelling unit exposure and horizontal mass reduction requirements within the UMU (Urban Mixed Use) Zoning District and a 58-X Height and Bulk District. The project is subject to the following conditions attached hereto as "EXHIBIT A" in general conformance with plans on file, dated April 14, 2014, and stamped "EXHIBIT B", which is incorporated herein by reference as though fully set forth.

The Planning Commission hereby adopts the MMRP attached hereto as Exhibit C and incorporated herein as part of this Motion by this reference thereto. All required mitigation measures identified in the Eastern Neighborhoods Plan EIR and contained in the MMRP are included as conditions of approval.

APPEAL AND EFFECTIVE DATE OF MOTION: Any aggrieved person may appeal this Large Project Authorization and/or Office Allocation to the Board of Supervisors within thirty (30) days after the date of this Motion No. XXXXX. The effective date of this Motion shall be the date of this Motion if not appealed (After the 30-day period has expired) OR the date of the decision of the Board of Supervisors if appealed to the Board of Supervisors. For further information, please contact the Board of Supervisors at (415) 554-5184, City Hall, Room 244, 1 Dr. Carlton B. Goodlett Place, San Francisco, CA 94102.

Protest of Fee or Exaction: You may protest any fee or exaction subject to Government Code Section 66000 that is imposed as a condition of approval by following the procedures set forth in Government Code Section 66020. The protest must satisfy the requirements of Government Code Section 66020(a) and must be filed within 90 days of the date of the first approval or conditional approval of the development referencing the challenged fee or exaction. For purposes of Government Code Section 66020, the date of imposition of the fee shall be the date of the earliest discretionary approval by the City of the subject development.

If the City has not previously given Notice of an earlier discretionary approval of the project, the Planning Commission's adoption of this Motion, Resolution, Discretionary Review Action or the Zoning Administrator's Variance Decision Letter constitutes the approval or conditional approval of the development and the City hereby gives **NOTICE** that the 90-day protest period under Government Code Section 66020 has begun. If the City has already given Notice that the 90-day approval period has begun for the subject development, then this document does not re-commence the 90-day approval period.

I hereby certify that the Planning Commission ADOPTED the foregoing Motion on May 1, 2014.

Jonas P. Ionin
Commission Secretary

AYES:

NAYS:

ABSENT:

ADOPTED: May 1, 2014

EXHIBIT A

AUTHORIZATION

This authorization is for a Large Project to allow the new construction of two five-story residential buildings with up to 111 dwelling units and exceptions from the rear yard, dwelling unit exposure, and horizontal mass reduction requirements located at 650 Indiana Street, Lot 009 in Assessor's Block 4041 pursuant to Planning Code Section 329 within the UMU (Urban Mixed Use) Zoning District and a 58-X Height and Bulk District; in general conformance with plans, dated April 14, 2014, and stamped "EXHIBIT B" included in the docket for Case No. 2012.1574KX and subject to conditions of approval reviewed and approved by the Commission on **May 1, 2014** under Motion No **XXXXXX**. This authorization and the conditions contained herein run with the property and not with a particular Project Sponsor, business, or operator.

RECORDATION OF CONDITIONS OF APPROVAL

Prior to the issuance of the building permit or commencement of use for the Project the Zoning Administrator shall approve and order the recordation of a Notice in the Official Records of the Recorder of the City and County of San Francisco for the subject property. This Notice shall state that the project is subject to the conditions of approval contained herein and reviewed and approved by the Planning Commission on **May 1, 2014** under Motion No **XXXXXX**.

PRINTING OF CONDITIONS OF APPROVAL ON PLANS

The conditions of approval under the 'Exhibit A' of this Planning Commission Motion No. **XXXXXX** shall be reproduced on the Index Sheet of construction plans submitted with the Site or Building permit application for the Project. The Index Sheet of the construction plans shall reference to the Large Project Authorization and any subsequent amendments or modifications.

SEVERABILITY

The Project shall comply with all applicable City codes and requirements. If any clause, sentence, section or any part of these conditions of approval is for any reason held to be invalid, such invalidity shall not affect or impair other remaining clauses, sentences, or sections of these conditions. This decision conveys no right to construct, or to receive a building permit. "Project Sponsor" shall include any subsequent responsible party.

CHANGES AND MODIFICATIONS

Changes to the approved plans may be approved administratively by the Zoning Administrator. Significant changes and modifications of conditions shall require Planning Commission approval of a new Large Project authorization.

Conditions of Approval, Compliance, Monitoring, and Reporting

PERFORMANCE

1. **Validity.** The authorization and right vested by virtue of this action is valid for three (3) years from the effective date of the Motion. The Department of Building Inspection shall have issued a Building Permit or Site Permit to construct the project and/or commence the approved use within this three-year period.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org.

2. **Expiration and Renewal.** Should a Building or Site Permit be sought after the three (3) year period has lapsed, the project sponsor must seek a renewal of this Authorization by filing an application for an amendment to the original Authorization or a new application for Authorization. Should the project sponsor decline to so file, and decline to withdraw the permit application, the Commission shall conduct a public hearing in order to consider the revocation of the Authorization. Should the Commission not revoke the Authorization following the closure of the public hearing, the Commission shall determine the extension of time for the continued validity of the Authorization.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org.

3. **Diligent pursuit.** Once a site or Building Permit has been issued, construction must commence within the timeframe required by the Department of Building Inspection and be continued diligently to completion. Failure to do so shall be grounds for the Commission to consider revoking the approval if more than three (3) years have passed since this Authorization was approved.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org.

4. **Extension.** All time limits in the preceding three paragraphs may be extended at the discretion of the Zoning Administrator where implementation of the project is delayed by a public agency, an appeal or a legal challenge and only by the length of time for which such public agency, appeal or challenge has caused delay.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org.

5. **Conformity with Current Law.** No application for Building Permit, Site Permit, or other entitlement shall be approved unless it complies with all applicable provisions of City Codes in effect at the time of such approval.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org.

6. **Mitigation Measures.** Mitigation measures described in the MMRP for the Eastern Neighborhoods Plan EIR (Case No. 2004.0160E) attached as Exhibit C are necessary to avoid potential significant effects of the proposed project and have been agreed to by the project sponsor.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

DESIGN – COMPLIANCE AT PLAN STAGE

7. **Final Materials.** The Project Sponsor shall continue to work with Planning Department on the building design. Final materials, glazing, color, texture, landscaping, and detailing shall be subject to Department staff review and approval. The architectural addenda shall be reviewed and approved by the Planning Department prior to issuance.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, www.sf-planning.org

8. **Garbage, composting and recycling storage.** Space for the collection and storage of garbage, composting, and recycling shall be provided within enclosed areas on the property and clearly labeled and illustrated on the building permit plans. Space for the collection and storage of recyclable and compostable materials that meets the size, location, accessibility and other standards specified by the San Francisco Recycling Program shall be provided at the ground level of the buildings.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, www.sf-planning.org

9. **Streetscape Plan.** Pursuant to Planning Code Section 138.1, the Project Sponsor shall continue to work with Planning Department staff, in consultation with other City agencies, to refine the design and programming of the Streetscape Plan so that the plan generally meets the standards of the Better Streets Plan and all applicable City standards. The Project Sponsor shall complete final design of all required street improvements, including procurement of relevant City permits, prior to issuance of first architectural addenda, and shall complete construction of all required street improvements prior to issuance of first temporary certificate of occupancy.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, www.sf-planning.org

10. **Transformer Vault.** The location of individual project PG&E Transformer Vault installations has significant effects to San Francisco streetscapes when improperly located. However, they may not have any impact if they are installed in preferred locations. Therefore, the Planning Department recommends the following preference schedule in locating new transformer vaults, in order of most to least desirable:

- a. On-site, in a basement area accessed via a garage or other access point without use of separate doors on a ground floor façade facing a public right-of-way;
- b. On-site, in a driveway, underground;

- c. On-site, above ground, screened from view, other than a ground floor façade facing a public right-of-way;
- d. Public right-of-way, underground, under sidewalks with a minimum width of 12 feet, avoiding effects on streetscape elements, such as street trees; and based on Better Streets Plan guidelines;
- e. Public right-of-way, underground; and based on Better Streets Plan guidelines;
- f. Public right-of-way, above ground, screened from view; and based on Better Streets Plan guidelines;
- g. On-site, in a ground floor façade (the least desirable location).
- h. Unless otherwise specified by the Planning Department, Department of Public Work's Bureau of Street Use and Mapping (DPW BSM) should use this preference schedule for all new transformer vault installation requests.

For information about compliance, contact Bureau of Street Use and Mapping, Department of Public Works at 415-554-5810, <http://sfdpw.org>

11. **Street Trees.** Pursuant to Planning Code Section 138.1 (formerly 143), the Project Sponsor shall submit a site plan to the Planning Department prior to Planning approval of the building permit application indicating that street trees, at a ratio of one street tree of an approved species for every 20 feet of street frontage along public or private streets bounding the Project, with any remaining fraction of 10 feet or more of frontage requiring an extra tree, shall be provided. The street trees shall be evenly spaced along the street frontage except where proposed driveways or other street obstructions do not permit. The exact location, size and species of tree shall be as approved by the Department of Public Works (DPW). In any case in which DPW cannot grant approval for installation of a tree in the public right-of-way, on the basis of inadequate sidewalk width, interference with utilities or other reasons regarding the public welfare, and where installation of such tree on the lot itself is also impractical, the requirements of this Section 428 may be modified or waived by the Zoning Administrator to the extent necessary.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, www.sf-planning.org

PARKING AND TRAFFIC

12. **Parking for Affordable Units.** All off-street parking spaces shall be made available to Project residents only as a separate "add-on" option for purchase or rent and shall not be bundled with any Project dwelling unit for the life of the dwelling units. The required parking spaces may be made available to residents within a quarter mile of the project. All affordable dwelling units pursuant to Planning Code Section 415 shall have equal access to use of the parking as the market rate units, with parking spaces priced commensurate with the affordability of the dwelling unit. Each unit within the Project shall have the first right of refusal to rent or purchase a parking space until the number of residential parking spaces are no longer available. No conditions may be placed on the purchase or rental of dwelling units, nor may homeowner's rules be established, which prevent or preclude the separation of parking spaces from dwelling units.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

13. **Car Share.** Pursuant to Planning Code Section 166, no fewer than **one (1)** car share space shall be made available, at no cost, to a certified car share organization for the purposes of providing car share services for its service subscribers.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

14. **Bicycle Parking.** Pursuant to Planning Code Sections 155.1, 155.4, and 155.5, the Project shall provide no fewer than 111 bicycle parking spaces (109 Class 1 spaces for the residential portion of the Project and two Class 1 or 2 spaces for the commercial portion of the Project).

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

15. **Parking Maximum.** Pursuant to Planning Code Section 151.1, the Project shall provide no more than eighty three (83) off-street parking spaces.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

PROVISIONS

16. **First Source Hiring.** The Project shall adhere to the requirements of the First Source Hiring Construction and End-Use Employment Program approved by the First Source Hiring Administrator, pursuant to Section 83.4(m) of the Administrative Code. The Project Sponsor shall comply with the requirements of this Program regarding construction work and on-going employment required for the Project.

For information about compliance, contact the First Source Hiring Manager at 415-581-2335, www.onestopSF.org

17. **Transit Impact Development Fee.** Pursuant to Planning Code Section 411, the Project Sponsor shall pay the Transit Impact Development Fee (TIDF) as required by and based on drawings submitted with the Building Permit Application. Prior to the issuance of a temporary certificate of occupancy, the Project Sponsor shall provide the Planning Director with certification that the fee has been paid.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, www.sf-planning.org

18. **Affordable Units.**

A. **Eastern Neighborhoods Affordable Housing Requirements for UMU.** Pursuant to Planning Code Section 419.3, Project Sponsor shall meet the requirements set forth in Planning Code Section 419.3 in addition to the requirements set forth in the Affordable Housing Program, per Planning Code Section 415. Prior to issuance of first construction document, the Project Sponsor shall select one of the options described in Section 419.3 or the alternatives described in Planning Code Section 419.5 to fulfill the affordable housing requirements and notify the Department of their choice. Any fee required by Section 419.1 et seq. shall be paid to the Development Fee Collection Unit at DBI prior to issuance of the first construction document an option for the project sponsor to defer payment to prior to

issuance of the first certificate of occupancy upon agreeing to pay a deferral surcharge in accordance with Section 107A.13.3 of the San Francisco Building Code. The proposed project in is a Tier A project where a minimum of 14.4 percent of the total units constructed shall be affordable to and occupied by qualifying persons and families.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, www.sf-planning.org or the Mayor's Office of Housing at 415-701-5500, www.sf-moh.org.

- B. **Unit Mix.** The Project contains 35 studios, 31 one-bedroom, 41 two-bedroom, and four three-bedroom units; therefore, the required affordable unit mix is five studios, four one-bedroom, six two-bedroom, and one three-bedroom units. If the market-rate unit mix changes, the affordable unit mix will be modified accordingly with written approval from Planning Department staff in consultation with MOH.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, www.sf-planning.org or the Mayor's Office of Housing at 415-701-5500, www.sf-moh.org.

- C. **Unit Location.** The affordable units shall be designated on a reduced set of plans recorded as a Notice of Special Restrictions on the property prior to the issuance of the first construction permit.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, www.sf-planning.org or the Mayor's Office of Housing at 415-701-5500, www.sf-moh.org.

- D. **Phasing.** If any building permit is issued for partial phasing of the Project, the Project Sponsor shall have designated not less than fourteen and four tenths percent (14.4%) of the each phase's total number of dwelling units as on-site affordable units.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, www.sf-planning.org or the Mayor's Office of Housing at 415-701-5500, www.sf-moh.org.

- E. **Duration.** Under Planning Code Section 415.8, all units constructed pursuant to Section 415.6, must remain affordable to qualifying households for the life of the project.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, www.sf-planning.org or the Mayor's Office of Housing at 415-701-5500, www.sf-moh.org.

- F. **Other Conditions.** The Project is subject to the requirements of the Inclusionary Affordable Housing Program under Section 415 et seq. of the Planning Code and City and County of San Francisco Inclusionary Affordable Housing Program Monitoring and Procedures Manual ("Procedures Manual"). The Procedures Manual, as amended from time to time, is incorporated herein by reference, as published and adopted by the Planning Commission, and as required by Planning Code Section 415. Terms used in these conditions of approval and not otherwise defined shall have the meanings set forth in the Procedures Manual. A copy of the Procedures Manual can be obtained at the MOH at 1 South Van Ness Avenue or on the Planning Department or Mayor's Office of Housing's websites, including on the internet at:

<http://sf-planning.org/Modules/ShowDocument.aspx?documentid=4451>. As provided in the Inclusionary Affordable Housing Program, the applicable Procedures Manual is the manual in effect at the time the subject units are made available for sale.

For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, www.sf-planning.org or the Mayor's Office of Housing at 415-701-5500, www.sf-moh.org.

- a. The affordable unit(s) shall be designated on the building plans prior to the issuance of the first construction permit by the Department of Building Inspection ("DBI"). The affordable unit(s) shall (1) reflect the unit size mix in number of bedrooms of the market rate units, (2) be constructed, completed, ready for occupancy and marketed no later than the market rate units, and (3) be evenly distributed throughout the building; and (4) be of comparable overall quality, construction and exterior appearance as the market rate units in the principal project. The interior features in affordable units should be generally the same as those of the market units in the principal project, but need not be the same make, model or type of such item as long they are of good and new quality and are consistent with then-current standards for new housing. Other specific standards for on-site units are outlined in the Procedures Manual.
- b. If the units in the building are offered for sale, the affordable unit(s) shall be sold to first time home buyer households, as defined in the Procedures Manual, whose gross annual income, adjusted for household size, does not exceed an average of ninety (90) percent of Area Median Income under the income table called "Maximum Income by Household Size derived from the Unadjusted Area Median Income for HUD Metro Fair Market Rent Area that contains San Francisco." The initial sales price of such units shall be calculated according to the Procedures Manual. Limitations on (i) reselling; (ii) renting; (iii) recouping capital improvements; (iv) refinancing; and (v) procedures for inheritance apply and are set forth in the Inclusionary Affordable Housing Program and the Procedures Manual.
- c. The Project Sponsor is responsible for following the marketing, reporting, and monitoring requirements and procedures as set forth in the Procedures Manual. MOH shall be responsible for overseeing and monitoring the marketing of affordable units. The Project Sponsor must contact MOH at least six months prior to the beginning of marketing for any unit in the building.
- d. Required parking spaces shall be made available to initial buyers or renters of affordable units according to the Procedures Manual.
- e. Prior to the issuance of the first construction permit by DBI for the Project, the Project Sponsor shall record a Notice of Special Restriction on the property that contains these conditions of approval and a reduced set of plans that identify the affordable units satisfying the requirements of this approval. The Project Sponsor shall promptly provide a copy of the recorded Notice of Special Restriction to the Department and to MOH or its successor.

- f. The Project Sponsor has demonstrated that it is eligible for the On-site Affordable Housing Alternative under Planning Code Section 415.6 instead of payment of the Affordable Housing Fee, and has submitted the *Affidavit of Compliance with the Inclusionary Affordable Housing Program: Planning Code Section 415* to the Planning Department stating that any affordable units designated as on-site units shall be sold as ownership units and will remain as ownership units for the life of the Project.
 - g. If the Project Sponsor fails to comply with the Inclusionary Affordable Housing Program requirement, the Director of DBI shall deny any and all site or building permits or certificates of occupancy for the development project until the Planning Department notifies the Director of compliance. A Project Sponsor's failure to comply with the requirements of Planning Code Section 415 et seq. shall constitute cause for the City to record a lien against the development project and to pursue any and all available remedies at law.
 - h. If the Project becomes ineligible at any time for the On-site Affordable Housing Alternative, the Project Sponsor or its successor shall pay the Affordable Housing Fee prior to issuance of the first construction permit or may seek a fee deferral as permitted under Ordinances 0107-10 and 0108-10. If the Project becomes ineligible after issuance of its first construction permit, the Project Sponsor shall notify the Department and MOH and pay interest on the Affordable Housing Fee at a rate equal to the Development Fee Deferral Surcharge Rate in Section 107A.13.3.2 of the San Francisco Building Code and penalties, if applicable.
19. **Eastern Neighborhoods Infrastructure Impact Fee.** Pursuant to Planning Code Section 423 (formerly 327), the Project Sponsor shall comply with the Eastern Neighborhoods Public Benefit Fund provisions through payment of an Impact Fee pursuant to Article 4.
For information about compliance, contact the Case Planner, Planning Department at 415-558-6378, www.sf-planning.org

MONITORING

20. **Enforcement.** Violation of any of the Planning Department conditions of approval contained in this Motion or of any other provisions of Planning Code applicable to this Project shall be subject to the enforcement procedures and administrative penalties set forth under Planning Code Section 176 or Section 176.1. The Planning Department may also refer the violation complaints to other city departments and agencies for appropriate enforcement action under their jurisdiction.
For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org
21. **Revocation due to Violation of Conditions.** Should implementation of this Project result in complaints from interested property owners, residents, or commercial lessees which are not resolved by the Project Sponsor and found to be in violation of the Planning Code and/or the specific conditions of approval for the Project as set forth in Exhibit A of this Motion, the Zoning Administrator shall refer such complaints to the Commission, after which it may hold a public hearing on the matter to consider revocation of this authorization.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

OPERATION

22. **Garbage, Recycling, and Composting Receptacles.** Garbage, recycling, and compost containers shall be kept within the premises and hidden from public view, and placed outside only when being serviced by the disposal company. Trash shall be contained and disposed of pursuant to garbage and recycling receptacles guidelines set forth by the Department of Public Works.

For information about compliance, contact Bureau of Street Use and Mapping, Department of Public Works at 415-554-.5810, <http://sfdpw.org>

23. **Sidewalk Maintenance.** The Project Sponsor shall maintain the main entrance to the building and all sidewalks abutting the subject property in a clean and sanitary condition in compliance with the Department of Public Works Streets and Sidewalk Maintenance Standards.

For information about compliance, contact Bureau of Street Use and Mapping, Department of Public Works, 415-695-2017, <http://sfdpw.org>

24. **Community Liaison.** Prior to issuance of a building permit to construct the project and implement the approved use, the Project Sponsor shall appoint a community liaison officer to deal with the issues of concern to owners and occupants of nearby properties. The Project Sponsor shall provide the Zoning Administrator with written notice of the name, business address, and telephone number of the community liaison. Should the contact information change, the Zoning Administrator shall be made aware of such change. The community liaison shall report to the Zoning Administrator what issues, if any, are of concern to the community and what issues have not been resolved by the Project Sponsor.

For information about compliance, contact Code Enforcement, Planning Department at 415-575-6863, www.sf-planning.org

650 INDIANA STREET - MITIGATION MONITORING AND REPORTING PROGRAM (Includes text for Improvement Measures as well)

MONITORING AND REPORTING PROGRAM

Adopted Mitigation Measures	Responsibility for Implementation	Mitigation Schedule	Mitigation Action	Mitigation Reporting Responsibility	Monitoring Schedule
MITIGATION MEASURES AGREED TO BY PROJECT SPONSOR					
NOISE					
<p>Mitigation Measure M-NOI-1 – Construction Noise (implements Eastern Neighborhoods FEIR Mitigation Measure F-2: Construction Noise). Where environmental review of a development project undertaken subsequent to the adoption of the proposed zoning controls determines that construction noise controls are necessary due to the nature of planned construction practices and the sensitivity of proximate uses, the Planning Director shall require that the sponsors of the subsequent development project develop a set of site-specific noise attenuation measures under the supervision of a qualified acoustical consultant. Prior to commencing construction, a plan for such measures shall be submitted to the Department of Building Inspection to ensure that maximum feasible noise attenuation will be achieved. These attenuation measures shall include as many of the following control strategies as feasible:</p> <ul style="list-style-type: none"> ■ Erect temporary plywood noise barriers around a construction site, particularly where a site adjoins noise-sensitive uses. ■ Utilize noise control blankets on a building structure as the building is erected to reduce noise emission from the site. ■ Evaluate the feasibility of noise control at the receivers by temporarily improving the noise reduction capability of adjacent buildings housing sensitive uses. ■ Monitor the effectiveness of noise attenuation measures by taking noise measurements. ■ Post signs on-site pertaining to permitted construction days and hours and complaint procedures and who to notify in the event of a problem, with telephone numbers listed. 	Project sponsor, contractor(s)	During construction	Identify a set of site-specific noise attenuation measures/control strategies under the supervision of a qualified acoustical consultant	Project sponsor, contractor(s), DBI to provide Planning Department with monthly reports during construction period	Considered complete when upon receipt of final monitoring report at completion of construction

MONITORING AND REPORTING PROGRAM

Adopted Mitigation Measures	Responsibility for Implementation	Mitigation Schedule	Mitigation Action	Mitigation Reporting Responsibility	Monitoring Schedule
HAZARDOUS MATERIALS					
<p>Mitigation Measure M-HZ-1 – Hazardous Building Materials (implements Eastern Neighborhoods FEIR Mitigation Measure K-1: Interim Procedures for Permit Review in the Eastern Neighborhoods Plan Area). The City shall condition future development approvals to require that the subsequent project sponsors ensure that any equipment containing PCBs or DEHP, such as fluorescent light ballasts, are removed and properly disposed of according to applicable federal, state, and local laws prior to the start of renovation, and that any fluorescent light tubes, which could contain mercury, are similarly removed and properly disposed of. Any other hazardous materials identified, either before or during work, shall be abated according to applicable federal, state, and local laws.</p>	Project sponsor, contractor(s)	Prior to demolition of structures	Ensure equipment containing PCBs or DEHP and other hazardous materials is properly disposed	Project sponsor, contractor(s), DPH, various federal and state agencies	Considered complete when equipment containing PCBs or DEHP or other hazardous materials is properly disposed

MONITORING AND REPORTING PROGRAM

Adopted Mitigation Measures	Responsibility for Implementation	Mitigation Schedule	Mitigation Action	Mitigation Reporting Responsibility	Monitoring Schedule
IMPROVEMENT MEASURES AGREED TO BY PROJECT SPONSOR					
TRANSPORTATION AND CIRCULATION					
<p>Improvement Measure I-TR-1 – Residential Transportation Demand Management Program. The Project Sponsor shall implement Transportation Demand Management (TDM) measures to reduce traffic generated by the proposed project and to encourage the use of rideshare, transit, bicycle, and walk modes for trips to and from the proposed project. In addition, prior to issuance of a temporary permit of building occupancy, the project sponsor must execute an agreement with the Planning Department for the provision of TDM services. The TDM program shall have a monitoring component to ascertain its effectiveness. Recommended components of the TDM program include the following:</p> <p><u>TDM Program</u></p> <p>The project sponsor should implement the following TDM measures at a minimum:</p> <ul style="list-style-type: none"> ■ TDM Coordinator: Provide TDM training to property managers/coordinators. The TDM coordinator should be the single point of contact for all transportation-related questions from residents and City staff. ■ Transportation Information: <p>Move-in packet: Provide a transportation insert for the move-in packet that includes information on transit service (Muni and BART lines, schedules and fares), information on where transit passes may be purchased, and information on the 511 Regional Rideshare Program.</p> <p>Current transportation information: Provide ongoing local and regional transportation information (e.g., transit maps and schedules, maps of bicycle routes, internet links) for new and existing tenants. Other strategies may be proposed by the Project Sponsor and should be approved by City staff.</p> <p>Ride Board: Provide a "ride board" (virtual or real) through</p> 	Project sponsor, TDM Coordinator, and/or Planning Department staff (with possible assistance from City-hired consultant), as detailed for each TDM program component	Prior to and during occupancy	Implement TDM measures and enter into agreement for the provision of TDM services; carry out TDM program components as specified in Improvement Measure language	Project sponsor and Planning Department	Ongoing, specific for each TDM program component (refer to Improvement Measure language)

MONITORING AND REPORTING PROGRAM

Adopted Mitigation Measures	Responsibility for Implementation	Mitigation Schedule	Mitigation Action	Mitigation Reporting Responsibility	Monitoring Schedule
<p>which residents can offer/request rides, such as on the Homeowners Association website and/or lobby bulletin board. Other strategies may be proposed by the Project Sponsor and should be approved by City staff.</p> <p>■ Bicycle Access:</p> <p>Signage: Ensure that the points of access to bicycle parking through elevators on the ground floor and the garage ramp include signage indicating the location of these facilities.</p> <p>Tenant Cooperation: Encourage retail tenants to allow bicycles in the workplace.</p> <p>Safety: Ensure that bicycle access to the site is safe, avoiding conflicts with automobiles, transit vehicles and loading vehicles, such as those described in Improvement Measure I-TR-2, Queue Abatement Condition of Approval.</p>					
<p><u>TDM Monitoring</u></p> <p>The Planning Department shall provide the TDM Coordinator with a clearly formatted "Resident Transportation Survey" (online or in paper format) to facilitate the collection and presentation of travel data from residents at the following times: (a) One year after 85 percent occupancy of all dwelling units in the new building; and (b) every two years thereafter, based on a standardized schedule prepared and circulated by the Planning Department staff to the TDM Coordinator.</p> <p>The TDM Coordinator shall collect responses from no less than 33% of residents within the newly occupied dwelling units within ninety (90) days of receiving the Resident Transportation Survey from the Planning Department. The Planning Department will assist the TDM Coordinator in communicating the purpose of the survey, and shall ensure that the identity of individual resident responders is protected. The Department shall provide professionally prepared and easy-to-complete online (or paper) survey forms to assist with compliance.</p> <p>The Planning Department shall also provide the TDM Coordinator</p>	<p>Project Sponsor, TDM Coordinator, and Planning Department (with possible assistance from City-hired consultant)</p>	<p>One year after 85 percent occupancy of all dwelling units in the new building; and every two years thereafter, based on a standardized schedule prepared and circulated by the Planning Department staff to the TDM Coordinator.</p>	<p>Coordinate, distribute and collect the Residential Transportation Survey and the Building Transportation Survey. Allow trip counts and intercept surveys to be conducted on the premises by City staff or a City-hired consultant.</p>	<p>Project sponsor, TDM Coordinator and Planning Department</p>	<p>Ongoing; considered complete upon completion of all required surveys.</p>

MONITORING AND REPORTING PROGRAM

Adopted Mitigation Measures	Responsibility for Implementation	Mitigation Schedule	Mitigation Action	Mitigation Reporting Responsibility	Monitoring Schedule
<p>with a separate "Building Transportation Survey" that documents which TDM measures have been implemented during the reporting period, along with basic building information (e.g., percent unit occupancy, off-site parking utilization by occupants of building, loading frequency, etc.). The Building Transportation Survey shall be completed by the TDM Coordinator and submitted to City staff within thirty (30) days of receipt.</p> <p>The Project Sponsor shall also allow trip counts and intercept surveys to be conducted on the premises by City staff or a City-hired consultant. Access to residential lobbies, garages, etc. shall be granted by the Project Sponsor and facilitated by the TDM Coordinator. Trip counts and intercept surveys are typically conducted for two to five days between 6 AM and 8 PM on both weekdays and weekends.</p>					
<p><u>Bike Sharing</u></p> <p>Within 30 days after receiving Planning Commission approval for the subject project, Project Sponsor shall contact Bay Area Bike Share (or its successor entity) to determine whether Bay Area Bike Share would be interested and able to fund and install a new bike share station in the public right-of-way immediately adjacent to the project site (including locations within new or existing sidewalks, new or existing on-street parking, or new or existing roadway areas) within six months of the Project Sponsor's estimated receipt of its Temporary or Final Certificate of Completion for the subject project.</p> <p>Bay Area Bike Share shall respond by 60 days prior to the Project Sponsor's meeting with the Transportation Advisory Staff Committee (TASC) for approval of the streetscape design. TASC approval typically occurs at the 90 percent design phase.</p> <p>If Bay Area Bike Share is not interested in and able to fund and install a new bike share station immediately adjacent to the project site, as indicated in writing, the Project Sponsor shall not be obligated to design and permit such a space. If Bay Area Bike Share determines in writing that it would be interested and able to fund</p>	Project Sponsor	Within 30 days after receiving Planning Commission approval for the subject project	Contact and coordinate with Bay Area Bike Share and potentially all city permits for a bike share station adjacent to the project site.	Project Sponsor, Bay Area Bike Share, and Planning Department	Considered completed upon determination by Bay Area Bike Share and, potentially, obtaining city permits.

MONITORING AND REPORTING PROGRAM

Adopted Mitigation Measures	Responsibility for Implementation	Mitigation Schedule	Mitigation Action	Mitigation Reporting Responsibility	Monitoring Schedule
<p>and install a new bike share station immediately adjacent to the project site within the time period specified above, the Project Sponsor shall make best efforts to modify its streetscape design to accommodate a new bike share station to the dimensions provided by Bay Area Bike Share, and obtain all city permits necessary to provide such a space immediately adjacent to the project site in the public right-of-way.</p> <p>If the City agencies responsible for issuing the permits necessary to provide the new bike share station space reject the Project Sponsor's application despite Project Sponsor's best efforts, the Project Sponsor shall not be obligated to provide such space.</p>					
<p>Improvement Measure I-TR-2: Queue Abatement Condition of Approval. It shall be the responsibility of the owner/operator of any off-street parking facility with more than 20 parking spaces (excluding loading and car-share spaces) to ensure that recurring vehicle queues do not occur on the public right-of-way. A vehicle queue is defined as one or more vehicles (destined to the parking facility) blocking any portion of any public street, alley, or sidewalk for a consecutive period of three minutes or longer on a daily or weekly basis.</p> <ul style="list-style-type: none"> ■ If a recurring queue occurs, the owner/operator of the parking facility shall employ abatement methods as needed to abate the queue. Appropriate abatement methods will vary depending on the characteristics and causes of the recurring queue, as well as the characteristics of the parking facility, the street(s) to which the facility connects, and the associated land uses (if applicable). ■ Suggested abatement methods include but are not limited to the following: redesign of facility to improve vehicle circulation and/or on-site queue capacity; employment of parking attendants; installation of LOT FULL signs with active management by parking attendants; use of valet parking or other space-efficient parking techniques; use of off-site parking facilities or shared parking with nearby uses; use 	<p>Owner/operator of off-street parking facility</p>	<p>Upon operation of off-street parking facility</p>	<p>Ensure a vehicle queue does not block any portion of public street, alley, or sidewalk for a consecutive period of three minutes or longer on a daily or weekly basis</p>	<p>Owner/operator; Planning Department</p>	<p>Ongoing during operation</p>

MONITORING AND REPORTING PROGRAM

Adopted Mitigation Measures	Responsibility for Implementation	Mitigation Schedule	Mitigation Action	Mitigation Reporting Responsibility	Monitoring Schedule
<p>of parking occupancy sensors and signage directing drivers to available spaces; travel demand management strategies such as additional bicycle parking, customer shuttles, delivery services; and/or parking demand management strategies such as parking time limits, paid parking, time-of-day parking surcharge, or validated parking.</p> <ul style="list-style-type: none"> ■ If the Planning Director, or his or her designee, suspects that a recurring queue is present, the Department shall notify the property owner in writing. Upon request, the owner/operator shall hire a qualified transportation consultant to evaluate the conditions at the site for no less than seven days. The consultant shall prepare a monitoring report to be submitted to the Department for review. If the Department determines that a recurring queue does exist, the facility owner/operator shall have 90 days from the date of the written determination to abate the queue. 					
<p>Improvement Measure I-TR-3: Construction Management. The project sponsor and construction contractor(s) would meet with the Traffic Engineering Division of the Department of Parking and Traffic (DPT), the Fire Department, Muni, and the Planning Department to determine feasible measures to reduce traffic congestion, including potential transit disruption and pedestrian circulation impacts during construction of the proposed project. The temporary parking demand by construction workers would need to be met on site, on street, or within other off-street parking facilities. Construction workers should be encouraged to take transit or carpool to the project site. Other measures should include sending construction schedule updates to adjacent businesses or residents; development and implementation of construction truck management to minimize the overall number of truck trips to and from the site; avoiding truck trips during peak hours; and coordination with any nearby construction sites, such as 800 Indiana Street, to minimize overlapping peaks in construction trucks or other construction-related traffic.</p>	Project sponsor, contractor(s)	Prior to issuance of construction permit and during construction	Meet with the Traffic Engineering Division of the Department of Parking and Traffic (DPT), the Fire Department, Muni, and the Planning Department to determine feasible measures to reduce traffic congestion; implement measures to reduce traffic congestion during construction	Project sponsor, Traffic Engineering Division of DPT, the Fire Department, Muni, and the Planning Department	Complete when project sponsor develops measures and completes construction

MONITORING AND REPORTING PROGRAM

Adopted Mitigation Measures	Responsibility for Implementation	Mitigation Schedule	Mitigation Action	Mitigation Reporting Responsibility	Monitoring Schedule
<p>Improvement Measure I-TR-4: Provision of Keys to First Responders. If the bollards at the entrance to 19th Street west of Indiana Street cannot be removed by first responders without a key, upon installation of the bollards, the project sponsor shall provide bollard keys to first responders to permit emergency access.</p>	Project sponsor	Prior to occupancy	Provide first responders with bollard keys if needed to permit emergency access	Project sponsor, first responders	Considered complete when keys are provided; however, access to keys must be maintained by Project sponsor
AIR QUALITY					
<p>Improvement Measure I-AQ-1: Enhanced Ventilation System (implements Eastern Neighborhoods FEIR Mitigation Measure G-2: Air Quality for Sensitive Land Uses). Because the project site is located in proximity to Interstate 280, which is identified as a freeway in the San Francisco General Plan, Transportation Element, the project sponsor should incorporate upgraded ventilation systems to minimize exposure of future residents to DPM and other pollutant emissions, as well as odors. The ventilation system, whether a central HVAC (heating, ventilation and possibly air conditioning) or a unit-by-unit filtration system, should include high-efficiency filters meeting minimum efficiency reporting value (MERV) 13, per American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standard 52.2 (equivalent to approximately ASHRAE Standard 52.1 Dust Spot 85%). The ventilation system should be designed by an engineer certified by ASHRAE, who should provide a written report documenting that the system offers the best available technology to minimize outdoor to indoor transmission of air pollution. In addition to installation of air filtration, the project sponsor should present a plan that ensures ongoing maintenance plan for the ventilation and filtration systems. The project sponsor should also ensure the disclosure to buyers and renters regarding the findings of the analysis and consequent and inform occupant's proper use of any installed air filtration.</p>	Project sponsor	Prior to occupancy	Incorporate upgraded ventilation systems to minimize exposure of future residents to DPM and other pollutant emissions, as well as odors; present and implement a plan, including procedures for disclosure to buyers and renters, that ensures ongoing maintenance for the ventilation and filtration systems	Project sponsor	After certification by ASHRAE and ongoing during operation

660 - 680 INDIANA

SAN FRANCISCO, CALIFORNIA

PLANNING COMMISSION GRAPHICS PACKAGE
14 APRIL 2014



660 - 680 INDIANA

SAN FRANCISCO, CALIFORNIA

TABLE OF CONTENTS

PROJECT DATA SUMMARY SHEET	3
PROJECT NARRATIVE	5
SITE CONTEXT	6
EXISTING SITE PHOTOGRAPHS	8
PROJECT RENDERINGS	10
ELEVATIONS	23
MATERIAL SAMPLES	26
FLOOR PLANS	29
CODE COMPLIANCE DIAGRAMS	35
CODE COMPLIANCE DIAGRAM A - REAR YARD COMPLIANCE	36
CODE COMPLIANCE DIAGRAM B - HORIZONTAL MASS REDUCTION ANALYSIS	37
CODE COMPLIANCE DIAGRAM C - EXPOSURE	38
CODE COMPLIANCE DIAGRAM D - COMMON USABLE OPEN SPACE	39
CODE COMPLIANCE DIAGRAM E - STREET ACTIVATION	40
CODE COMPLIANCE DIAGRAM F - BIKE PARKING	41
CODE COMPLIANCE DIAGRAM G - TYPICAL ENTIRE STREET SECTION	42
CODE COMPLIANCE DIAGRAM H - 'O' BUILDING PUBLIC PRIVATE TRANSITION SEQUENCE	43

660 - 680 INDIANA

SAN FRANCISCO, CALIFORNIA

PROJECT DATA SUMMARY SHEET

Parcel: Block/ Lot	4041/009
Parcel Dimensions/Area	76' x 350' / 26,522 GSF (0.609 Acres)
Zoning: Use District	UMU; URBAN MIXED USE
Zoning: Height/Bulk District	58-X
Gross Building Area: approximate	
'O' Building	48,722 GSF
'M' Building	51,038 GSF
Residential Floor Area: approximate	
'O' Building	36,157 GSF
'M' Building	40,783 GSF
Commercial Floor Area: approximate	
'O' Building	1,700 GSF
'M' Building	200 GSF
Residential Dwelling Units:	111 total
3 Bedroom Units	4 4% of total
2 Bedroom Units	41 37% of total
1 Bedroom Units	31 28% of total
Studio Units	35 31% of total
Residential Useable Open Space	
Publicly Accessible Useable Open Space	1,588 SF
Common Useable Open Space	6,277 SF
Private Useable Open Space	320 SF

660 - 680 INDIANA

SAN FRANCISCO, CALIFORNIA

PROJECT DATA SUMMARY SHEET

Building Height/Stories:

'O' Building 58' /5 Stories not including parapets, access or mechanical penthouses

'M' Building 58' (mid-point of pitched roof)/5 Stories not including parapet, access or mechanical penthouses

Occupancy Class/Construction Type

'O' Building R-2, S/Type IA & Type VA, Sprinklered

'M' Building R-2, S/Type IIIA, Sprinklered

Parking Allowed

85 Total Stalls

Parking Provided

77 Total Stalls (77/111 = 0.69 ratio)

1 accessible

2 van accessible

1 car share

73 standard

Bike Parking Provided

111 Total Class I Bicycle Parking spaces

111 Accessory Bicycle Parking & Storage Lockers

222 Total Bicycle Parking

Project Architects: Pfau Long Architecture, Kennerly Architecture & Planning

Project Developer: Build Inc.



660 - 680 INDIANA

SAN FRANCISCO, CALIFORNIA

PROJECT NARRATIVE

Introduction

Bounded on the east by Illinois Street and to the west by Interstate 280, the Dogpatch neighborhood is only four blocks wide - a fact that gives it an identity as a place apart, yet in the middle of it all. The 660-690 Indiana Street project transforms a block along the neighborhood's western edge with two unique mixed-use residential buildings set above a destination Arts Café, and weaves a series of new courtyards and gardens into the urban fabric. Set kitty-corner from Esprit Park, the project activates the public realm with extensive streetscape improvements, including the future Dogpatch Arts Plaza (or "DAP" for short) at the stub-end of 19th Street, and a publicly accessible mid-block mews. The proposed Project would consist of 111 new apartments including 16 on-site BMR units.

Project 'OM' - A Piece of the City

With 425' of overall street frontage (19th & Indiana Streets combined), we did not set out to design an autonomous housing project, but rather to compose a city block - to provide varied architectural and pedestrian experiences that respond to the latent conditions of urban corner and mid-block fabric. Working with two design architects instead of one was the first step to realizing this goal.

Pfau Long Architecture designed the corner "O Building" (so named because of its 'O' plan view, central court and 'O'-shaped Indiana Street-façade opening), with 4-stories of residential flats lifted above a double-height glazed café and townhome base. The O Building's strong massing establishes the corner and holds the street-wall at 19th & Indiana. Set kitty-corner to Esprit Park, this civic presence is appropriate and desirable.

Moving north away from Esprit Park along Indiana Street, the "M Building" (so named because of its 'M'-like plan view), designed by Kennerly Architecture & Planning, creates a fine-grain mid-block fabric with 3 building wings that alternate with 3 outer-courts set above a rich and porous ground floor with stoops, patio walls, planters and glass bays. The air & light courtyards of the M Building also borrow from the form of many classic 1920s San Francisco courtyard apartments.

Each building is a foil to the other with the over-all composition requiring both. Together they are "Project OM." The open space around and between the buildings is as important as the architecture, designed by CMG Landscape Architecture. The proposed Dogpatch Arts Plaza, the "Cocomo Mews" mid-block passageway, the intimate outer courts in the M Building, and the widened sidewalks along Indiana Street form the connective civic tissue for the project.

BUILDINC.

Kennerly
architecture & planning

CMG
LANDSCAPE ARCHITECTURE

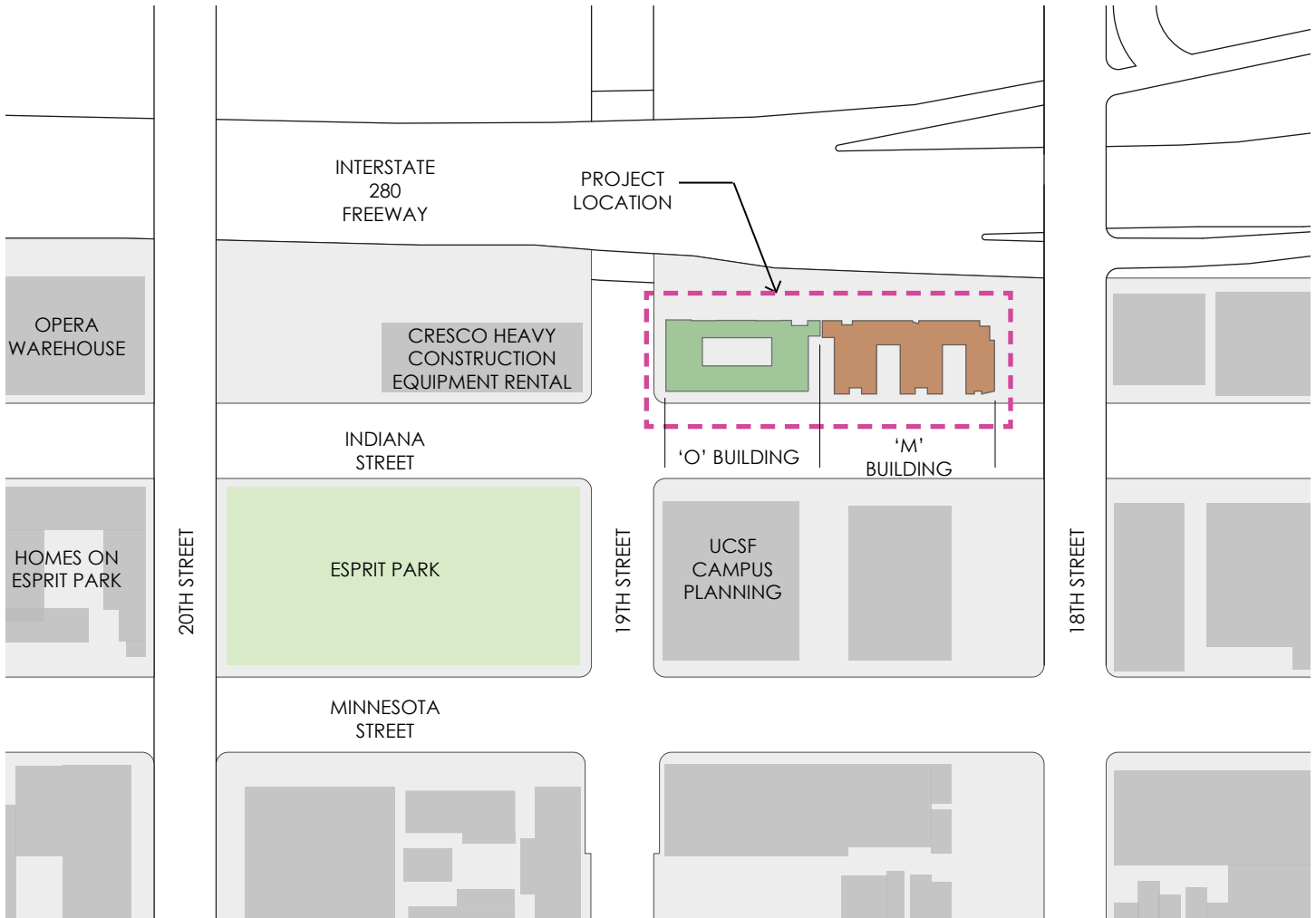
PFAU
GN01
ARCHITECTURE



key transit & key routes

-  CalTrain
-  Muni T Third St. Rail
-  Muni Rail Station
-  Muni Bus
-  Bike Route

SITE CONTEXT



SITE CONTEXT





VIEW 1



VIEW 2



VIEW 3



VIEW 4



EXISTING SITE PHOTOGRAPHS



VIEW 1



VIEW 2



VIEW 3



VIEW 4



EXISTING SITE PHOTOGRAPHS



AERIAL PERSPECTIVE OF DOGPATCH ARTS PLAZA

BUILDINC.
Kennerly
architecture & planning
CMG
CONSULTING GROUP
ARCHITECTURE
PFAU
GNOT
ARCHITECTURE



STREET VIEW FROM NORTH



'M' BUILDING: ROOF DECK PERSPECTIVE

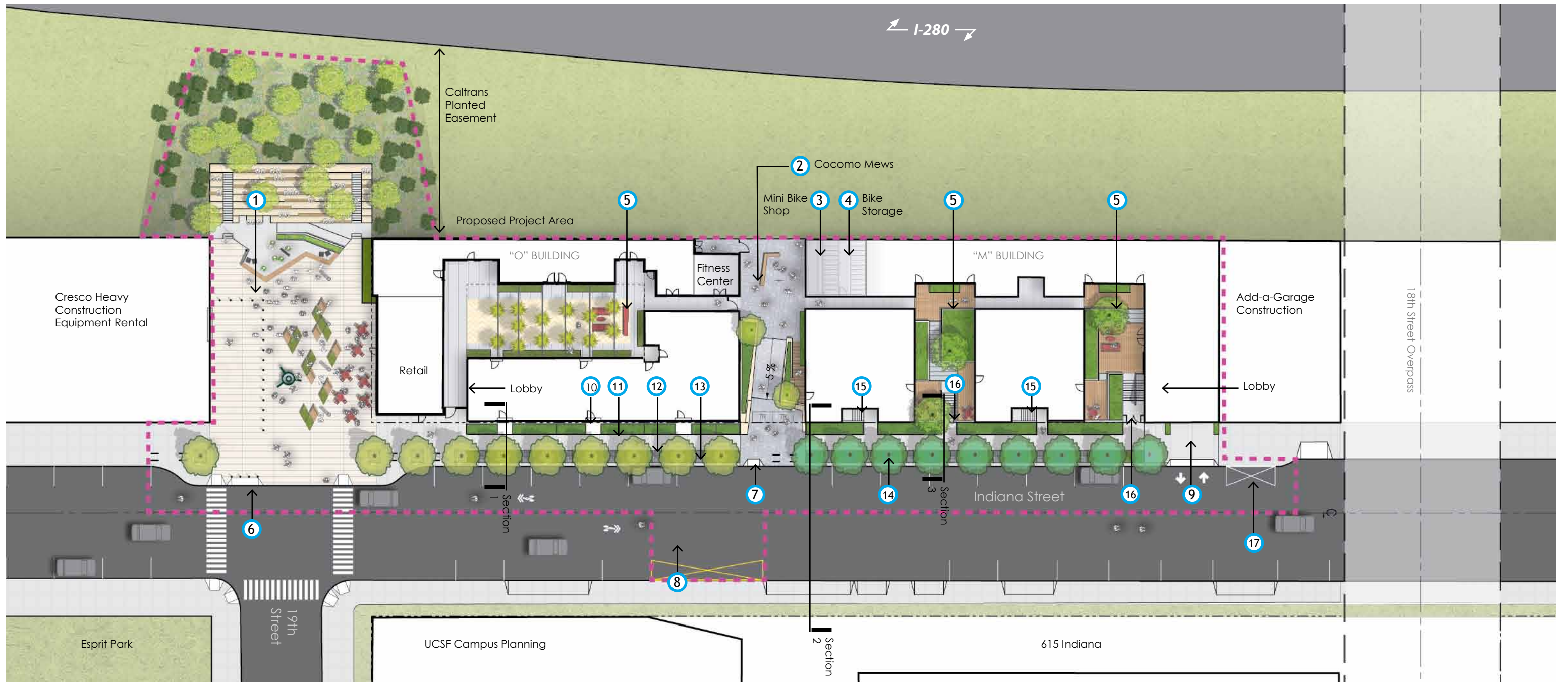


STREET VIEW OF 'M' BUILDING COURTS

BUILDING.
Kennerly
architecture & planning

CMG
CONSULTANTS & DESIGNERS

PFAU GN01
ARCHITECTURE



- 1 Dogpatch Arts Plaza (Formerly 19th Street) 8,900 sq. ft. public for events, art and performance
- 2 Cocomo Mews + Bike Plaza 1,800 sq. ft.
- 3 Mini Bike Shop 200 sq. ft.
- 4 Bike Storage
- 5 Private Courtyards +/- 4,900 sq. ft.
- 6 Limited Vehicle Access Cresco or Art Installation Access Only
- 7 Bike and Delivery Ramp
- 8 Freight Loading Zone SFMTA Yellow Curb
- 9 Auto Garage Access
- 10 5'-0" Planned Privacy Zone Flow-Thru Planters
- 11 7'-0" Paved Throughway
- 12 5'-0" Furnishing Zone
- 13 2'-0" Edge Zone
- 14 19 Street Trees
- 15 Entry Stoop
- 16 Pedestrian Access Gate to Courtyard
- 17 Vehicle Queuing/Passenger Drop-Off Zone SFMTA White Curb

PROJECT STREETScape PLAN WITH DOGPATCH ARTS PLAZA



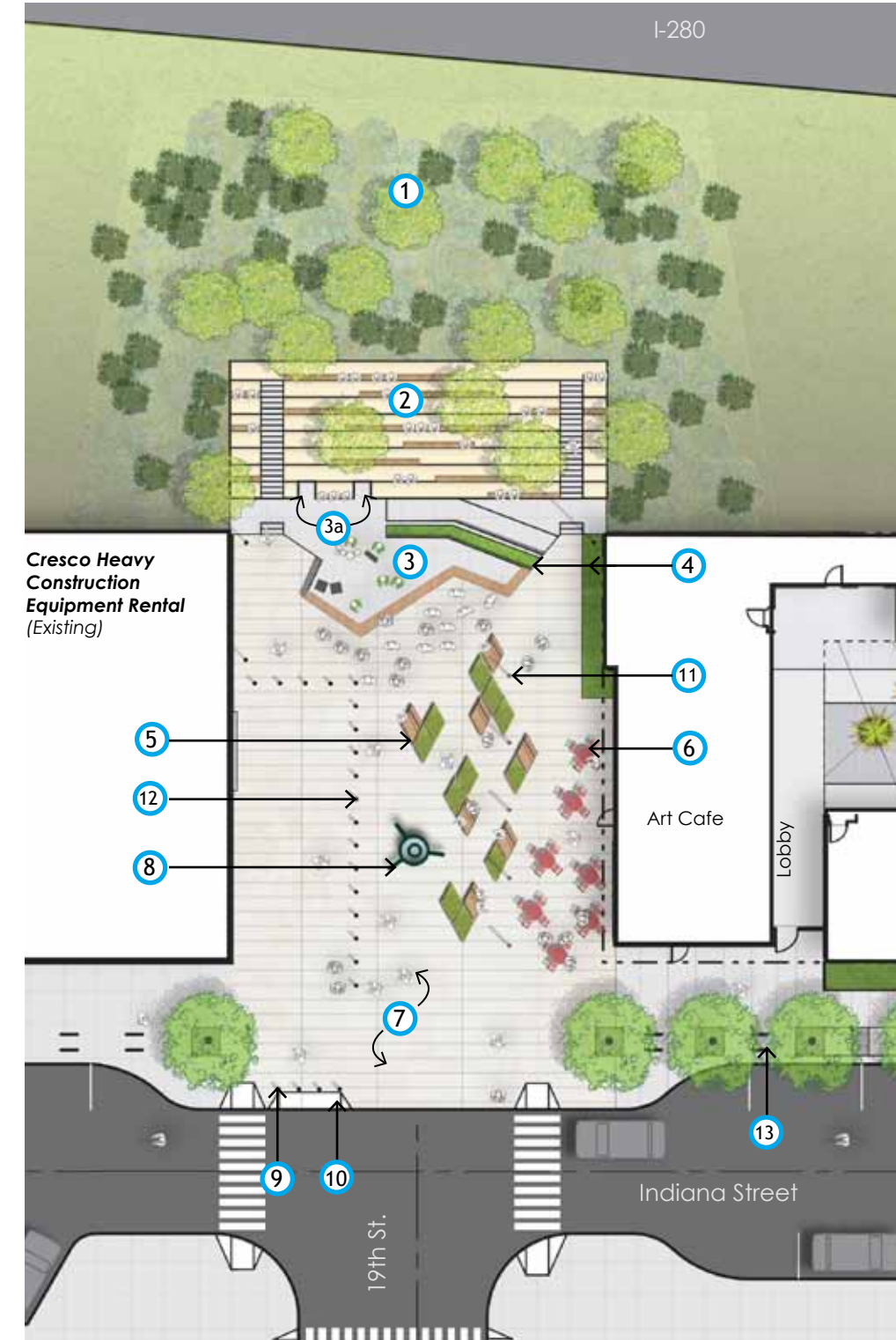
BUILDINC.
Kennerly
 architecture & planning

CMG
 CENTER MISSISSAUGA
 landscape architecture

PFAU GNO1
 ARCHITECTURE

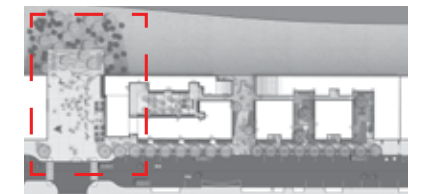


PERSPECTIVE STANDING IN DOGPATCH ARTS PLAZA



DOGPATCH ARTS PLAZA ENLARGED PLAN VIEW

- 1 **Caltrans Embankment**
Landscape improvements including understory and tree planting (within Caltrans R.O.W.)
- 2 **Corten Steel Urban Bleachers**
Corten Wall with Concrete Bleacher and Stairs
- 3 **Event Stage**
Concrete with wood seating edge & ADA accessible ramp
- 3a ADA Accessible Seating Locations
- 4 **Rain Garden Planter**
Stormwater Treatment and Buffer
- 5 Custom Moveable Planters & Seating
- 6 Cafe Tables and Chairs
- 7 **Plaza Floor**
High Quality Cast in Place Concrete with Ground Finish
- 8 Rotating Art Installation Program
- 9 Removable Bollards
- 10 **Curb Cut - Vehicle Access (12'-0" Wide)**
Limited Access for Cresco Equipment Rental and Plaza Programs
- 11 Pedestrian Lighting
- 12 **Stanchion System**
Removable post with stainless steel chain divider for separation of loading zone during business hours. Removed during non-business hours.
- 13 **Bike Racks**
Class II Bike Racks (8 Total)

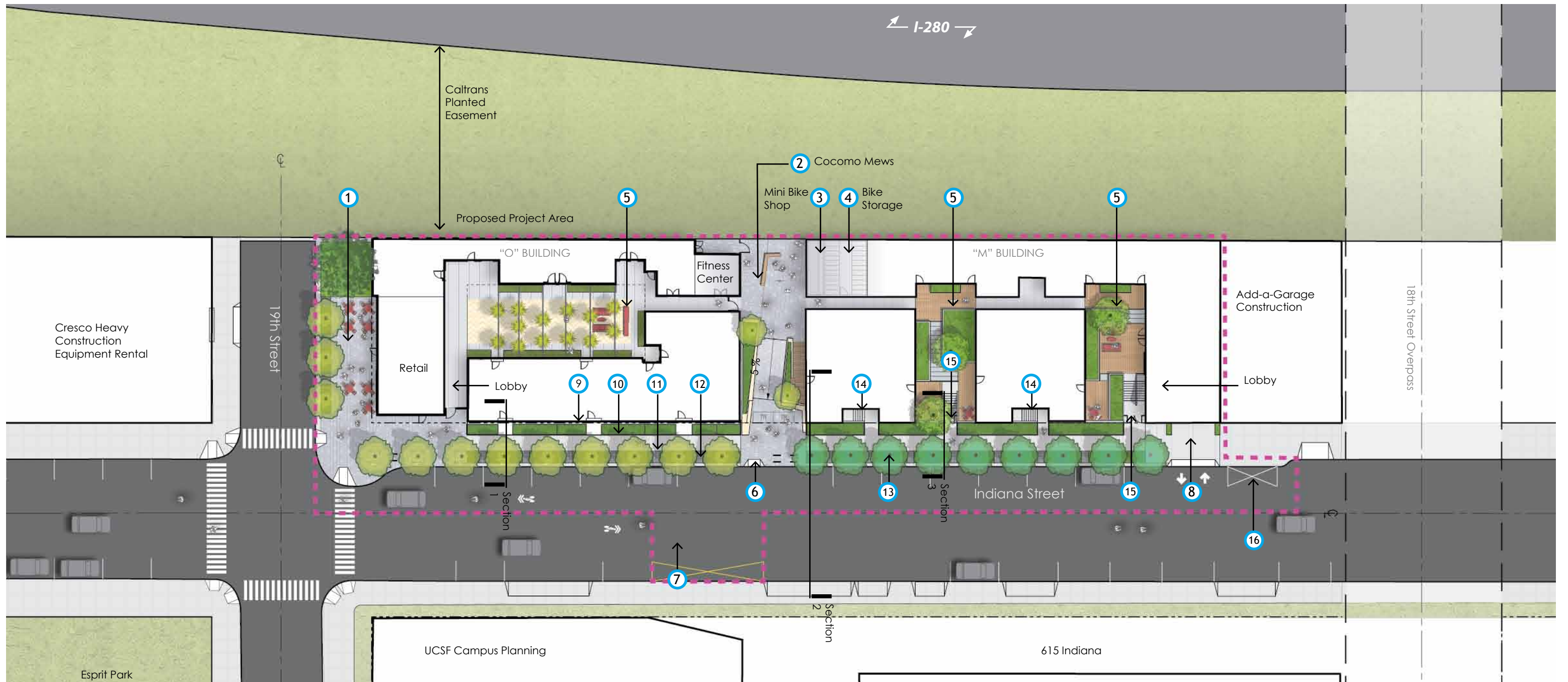




VIEW WEST FROM 19TH STREET OF DOGPATCH ARTS PLAZA



PERSPECTIVE FROM DOGPATCH ARTS PLAZA STAGE LOOKING EAST DOWN 19TH STREET



- 1 19th Street Improvements
- 2 Cocomo Mews + Bike Plaza
1,800 sq. ft.
- 3 Mini Bike Shop
200 sq. ft.
- 4 Bike Storage
- 5 Private Courtyards
+/- 4,900 sq. ft.
- 6 Bike and Delivery Ramp
- 7 Freight Loading Zone
SFMTA Yellow Curb
- 8 Auto Garage Access
- 9 5'-0" Planned Privacy Zone
Flow-Thru Planters
- 10 7'-0" Paved Throughway
- 11 5'-0" Furnishing Zone
- 12 2'-0" Edge Zone
- 13 21 Street Trees
- 14 Entry Stoop
- 15 Pedestrian Access Gate
to Courtyard
- 16 Vehicle Queuing/Passenger Drop-Off
Zone
SFMTA White Curb

STREETScape PLAN WITHOUT PLAZA



BUILDINC.

Kennerly
architecture & planning

CMG
CENNER MISS SHILLARD
landscape architecture

PFAU GNO1
ARCHITECTURE

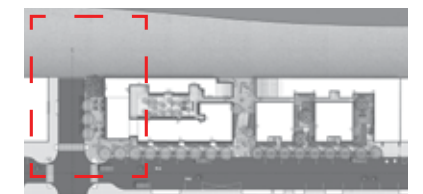


CAFE RENDERING WITHOUT PLAZA



- ① Large Specimen Tree
- ② Flexible Seating (Tables and Chairs)
- ③ Retail Entry

ENLARGED PLAN VIEW OF 19TH STREET WITHOUT PLAZA



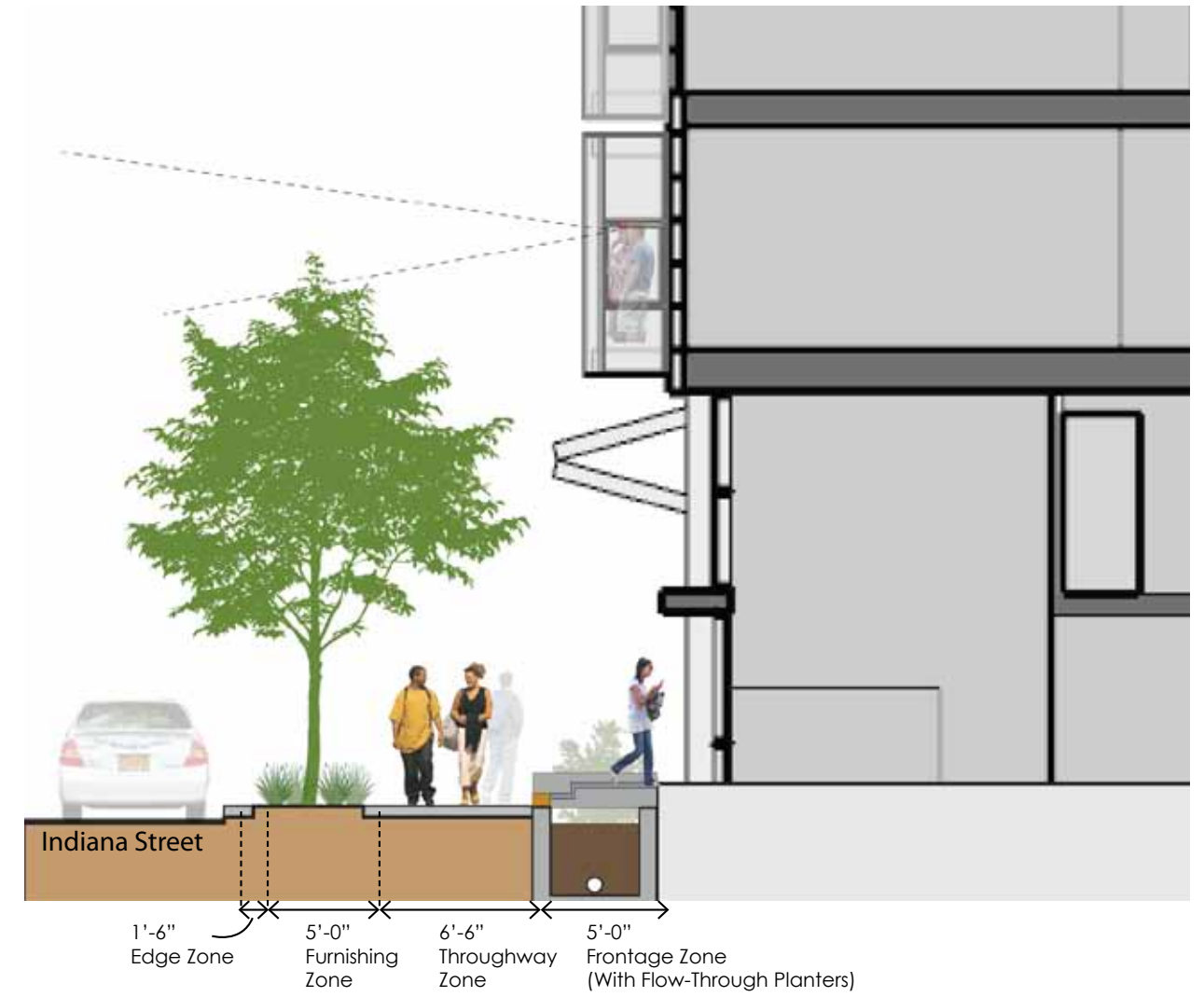
BUILDINC.
Kennerly
 architecture & planning

CMG
 CYNTHIA MISS GILLIARD
 landscape architecture

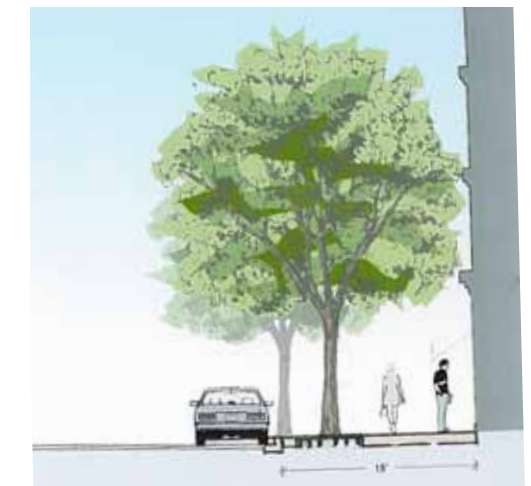
PFAU GNO1
 ARCHITECTURE



'O' BUILDING STREETScape: GROUND LEVEL ENTRIES



Sidewalk Zones
SF Better Streets Plan
Page 100

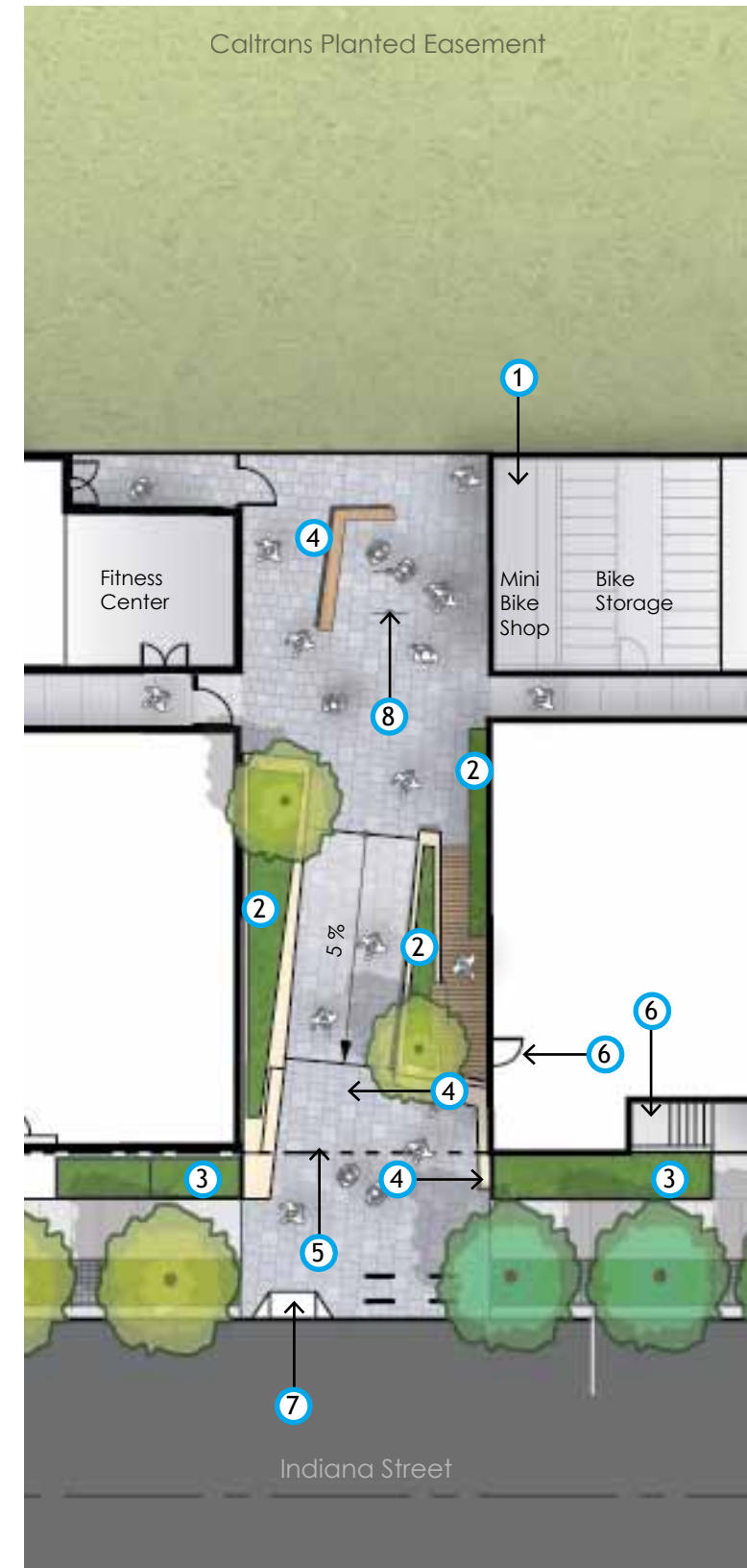


Mixed Use- Typical Sidewalk
SF Better Streets Plan
Page 74

'O' BUILDING TYPICAL PARTIAL STREET SECTION



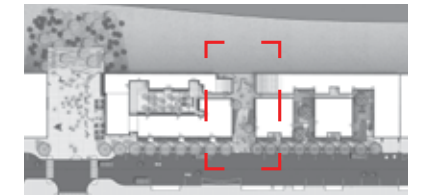
COCOMO MEWS PERSPECTIVE WITH MINI BIKE SHOP



MIDBLOCK PASSAGEWAY: PLAN VIEW



- ① Bike Repair Shop and Storage
- ② Planter
- ③ **5'-0" Planned Privacy Zone**
Flow-Thru Planters
- ④ Seatwall / Bench
- ⑤ Street Utility (Transformer)
- ⑥ Unit Entry
- ⑦ Bike and Delivery Ramp
- ⑧ Bike Repair Stand

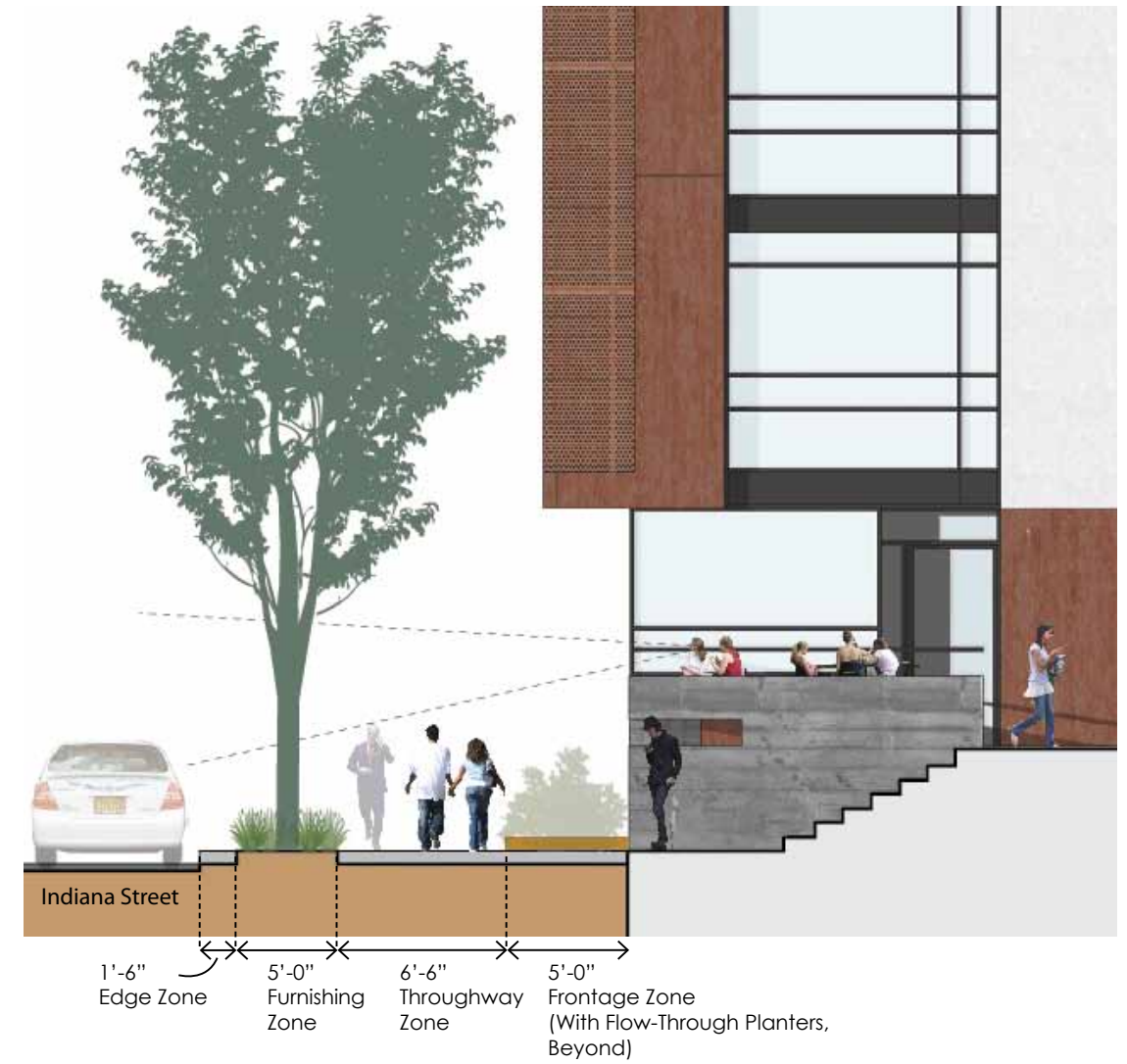


Bike Shop Reference Image





'M' BUILDING STREETCAPE: OUTER COURT



Sidewalk Zones
SF Better Streets Plan
Page 100



Mixed Use- Typical Sidewalk
SF Better Streets Plan
Page 74

'M' BUILDING TYPICAL STREET SECTION

SOUTH ELEVATION



EAST ELEVATION



ELEVATIONS



Note: The proposed structures shall comply with the San Francisco Planning Department's Standards for Bird-Safe Buildings.



NORTH ELEVATION



WEST ELEVATION



ELEVATIONS



Cocomo Mews

"M" Building

"O" Building

Note: The proposed structures shall comply with the San Francisco Planning Department's Standards for Bird-Safe Buildings.

BUILDING.

Kennerly
architecture & planning

CMG
CIVIL ENGINEERS & ARCHITECTS
landscape architects

PFAU GNO1
ARCHITECTURE



SECTION LEGEND

- RESIDENTIAL UNITS
- RETAIL SPACE
- BICYCLE STORAGE

BUILDING SECTION





Bay Window



Bay Window



Painted Plaster



Weathered Metal Siding



Bi-Fold Door



Bi-Fold Door



Board Formed Concrete



Weathered Metal Siding - detailed



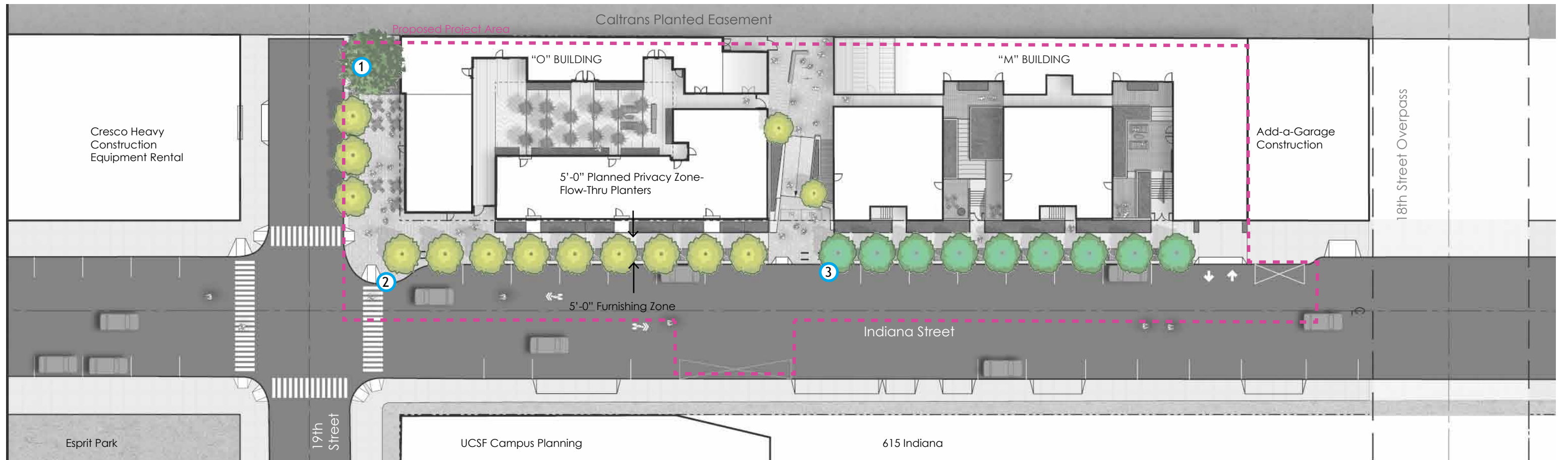
Metal Panel



Metal Panel

'O' BUILDING MATERIAL SAMPLES

'M' BUILDING MATERIAL SAMPLES



SELECTION CRITERIA:

- 1. Serpentine soil tolerance
- 2. High alkalinity soil tolerance
- 3. Drought tolerant



① **Quercus agrifolia:** Coast Live Oak. Evergreen. Specimen. 65' max. height.



② **Albizia julibrissin:** Mimosa. Deciduous. 35' max. height.



③ **Corymbia citriodora:** Lemon Scented Gum. Evergreen. 80' -160' max. height.

STREET TREE OPTIONS





Cercis occidentalis: Western Redbud



Garrya alleptica: Silk Tassel Bush



Muhlenbergia rigens: Deer Grass



Arctostaphylos 'Monterey Carpet': Manzanita



Monardella villosa: Coyote Mint



Fremontodendron californicum decumbens: Dwarf Flannel Bush



Eschscholzia californica: California Poppy



Heteromeles arbutifolia: Toyon



Rhamnus californica: California Coffee Berry

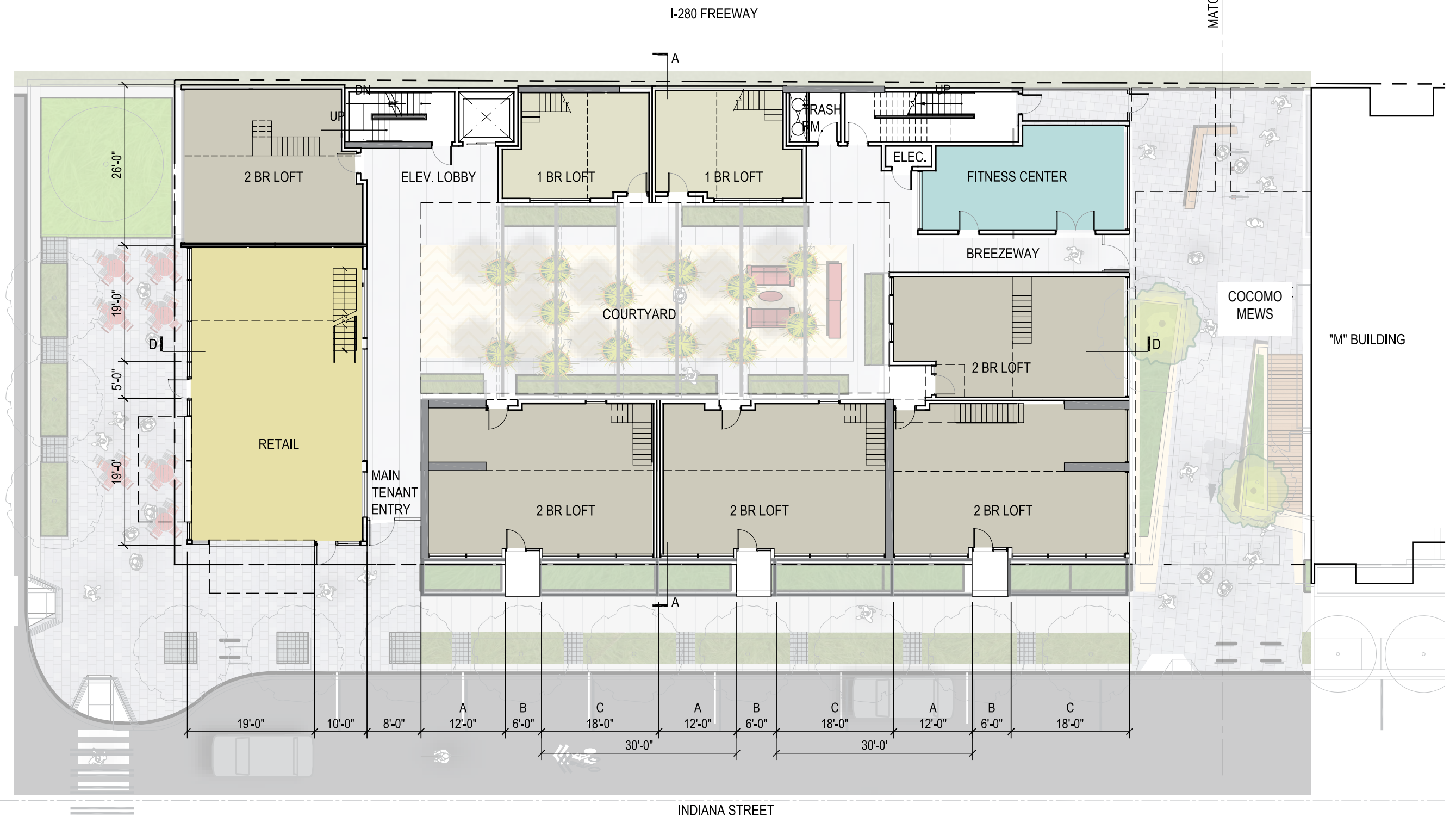


Salvia spathacea: Hummingbird Sage

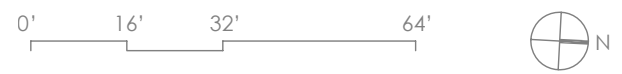
STREETScape PLANTING PALETTE



DOGPATCH ARTS PLAZA
3 ARTS PLAZA



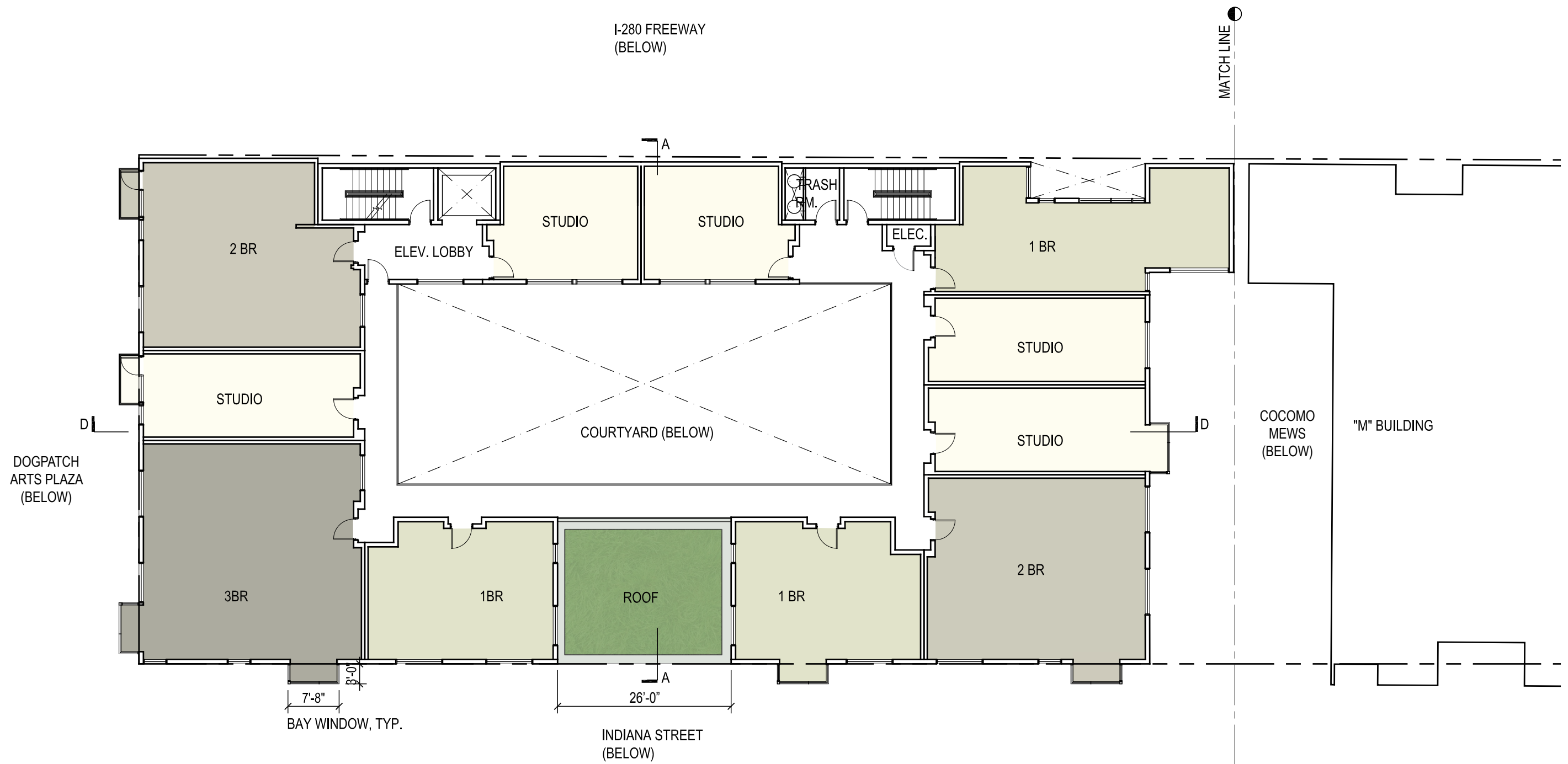
'O' BUILDING: GROUND FLOOR PLAN



BUILDINC.
Kennerly
architecture & planning

CMG
CYNTHIA MESS SULLIVAN
landscape architecture

PFAU GNO1
ARCHITECTURE



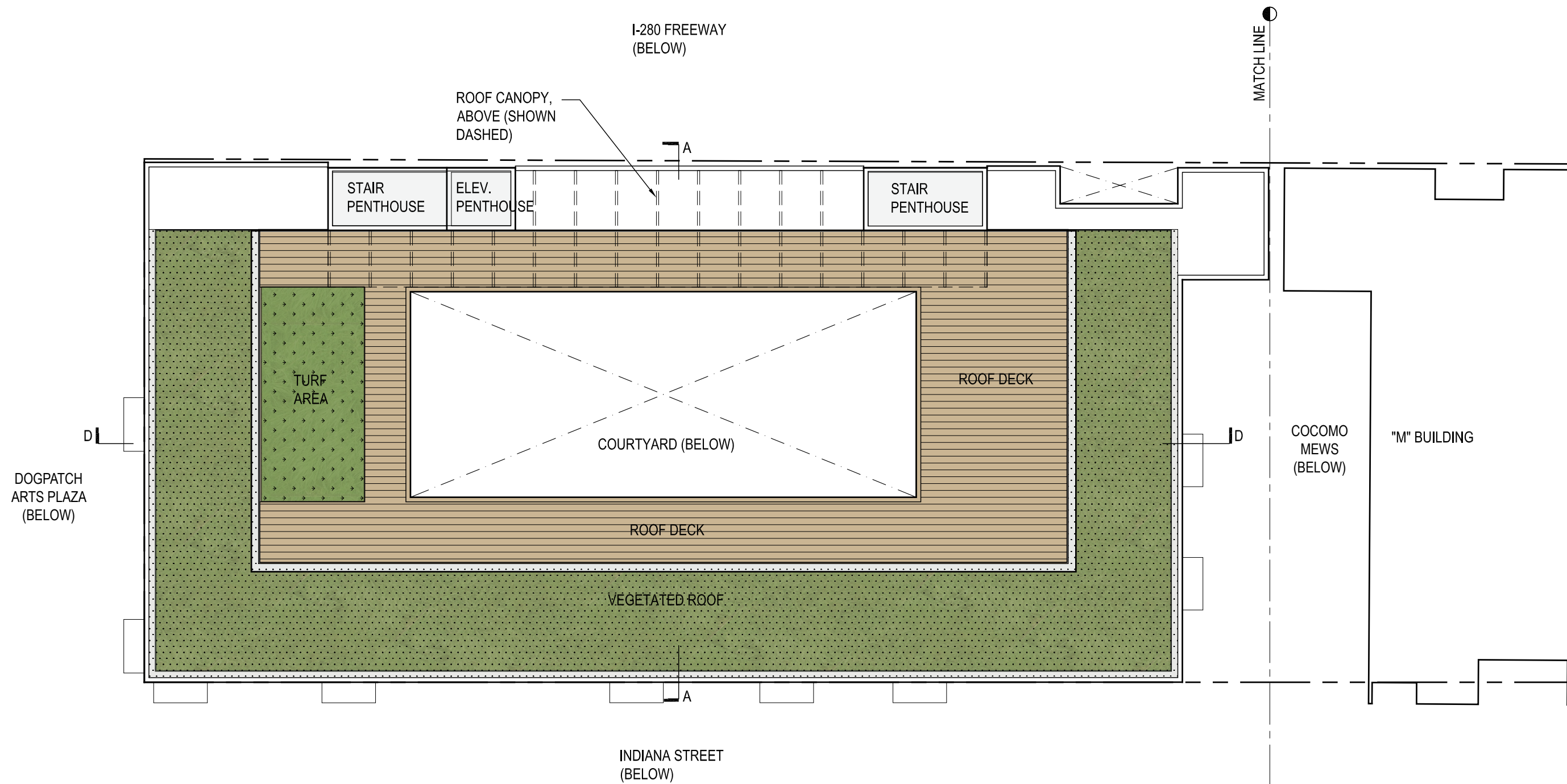
'O' BUILDING: TYPICAL FLOOR PLAN



BUILDINC.
Kennerly
 architecture & planning

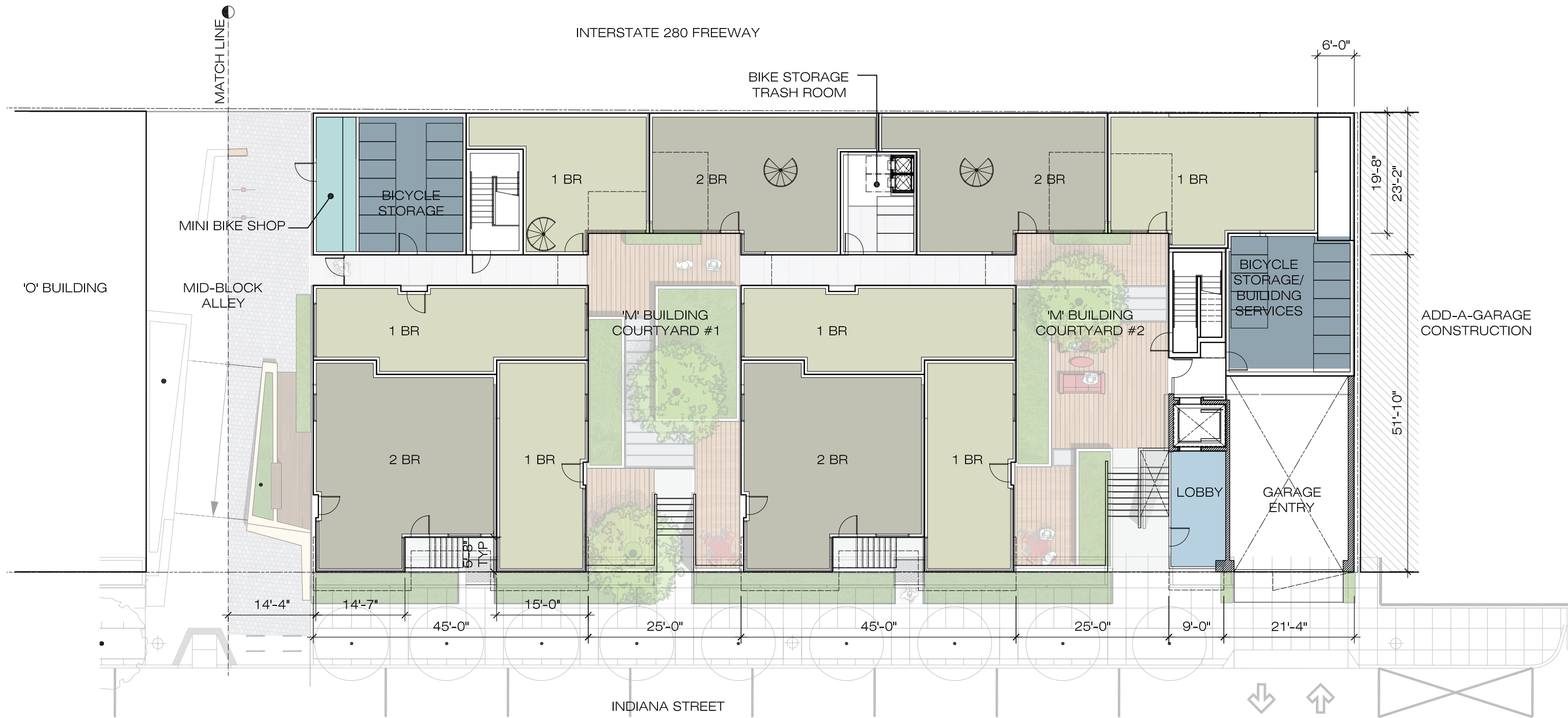
CMG
 CENTER MASS SULLARD
 landscape architects

PFAU GNO1
 ARCHITECTURE



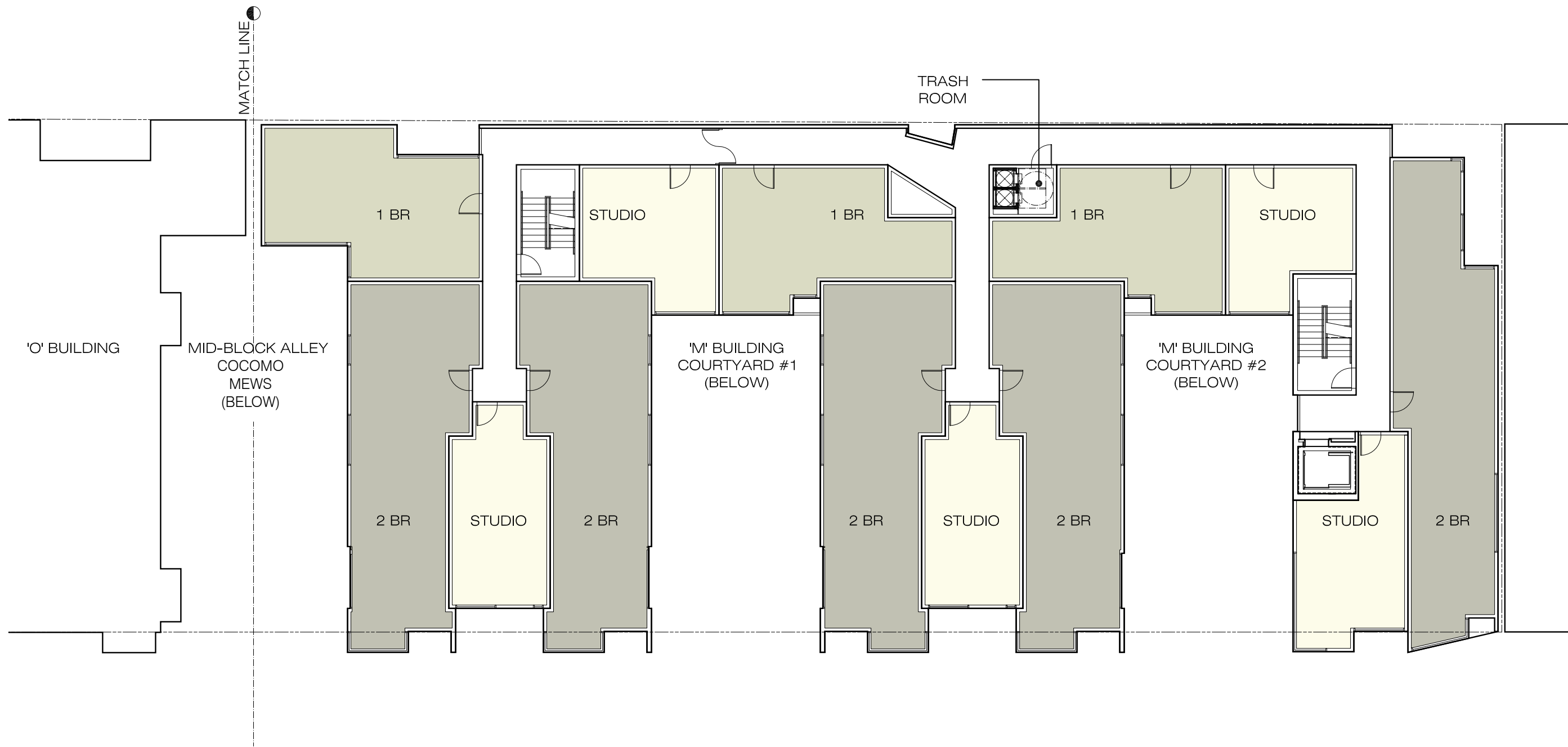
'O' BUILDING: ROOF PLAN





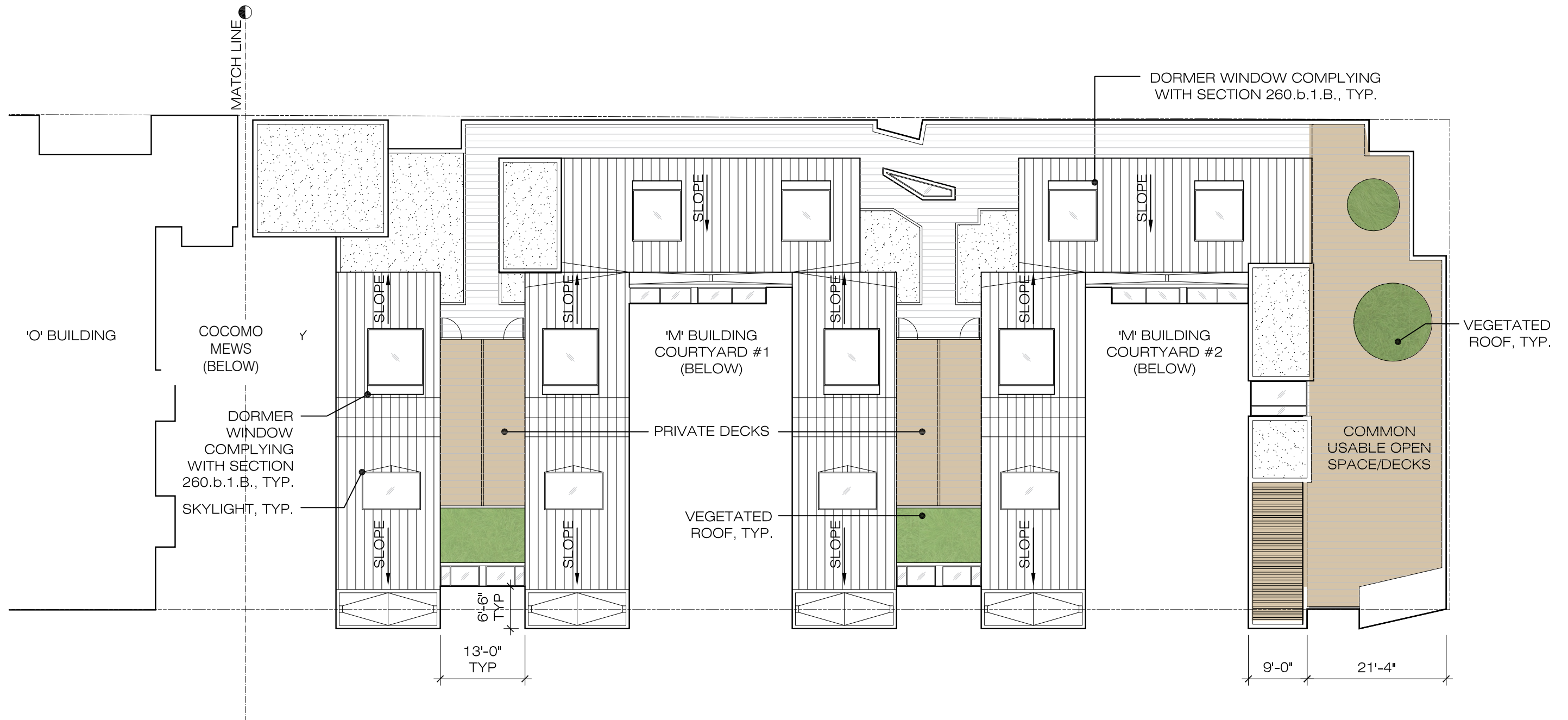
'M' BUILDING: GROUND FLOOR PLAN





'M' BUILDING: TYPICAL FLOOR PLAN





'M' BUILDING: ROOF PLAN

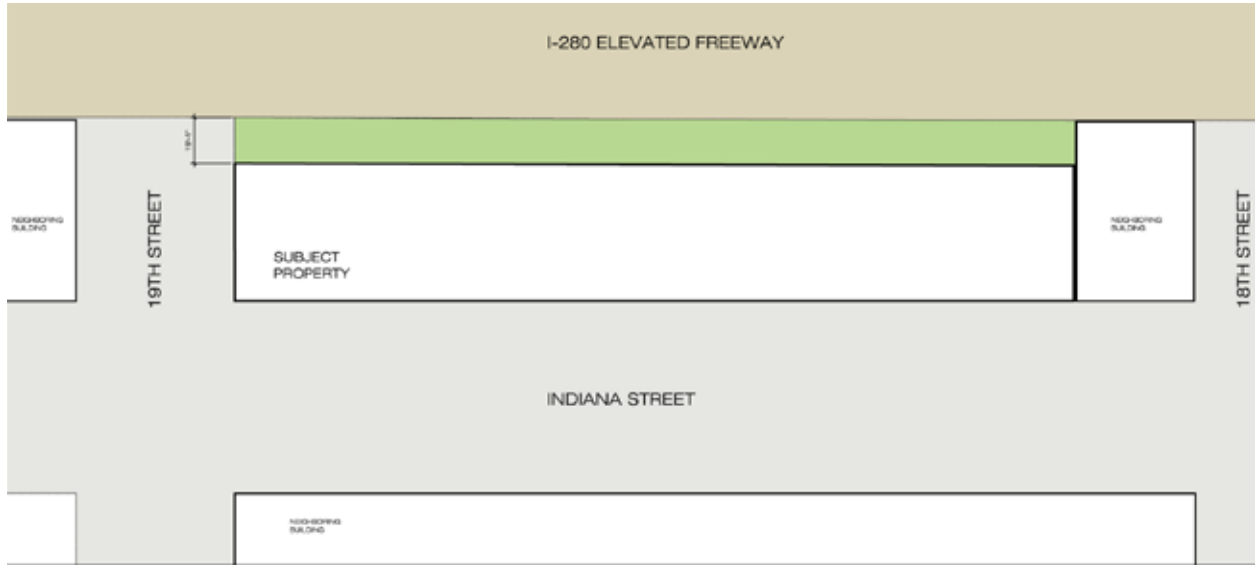


APPENDIX

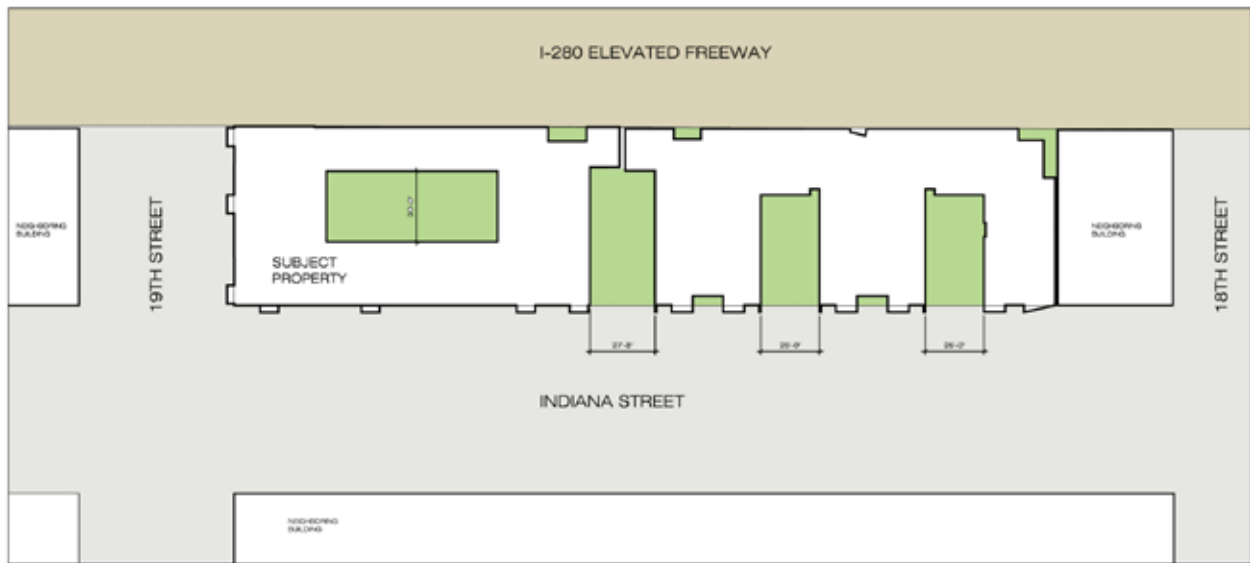
CODE COMPLIANCE DIAGRAMS



CODE COMPLIANCE DIAGRAM A -
REAR YARD COMPLIANCE



STANDARD CODE COMPLIANT REAR YARD:
25% OF LOT AREA AT REAR OF LOT FACING FREEWAY



PROPOSED REAR YARD:
25% OF LOT AREA



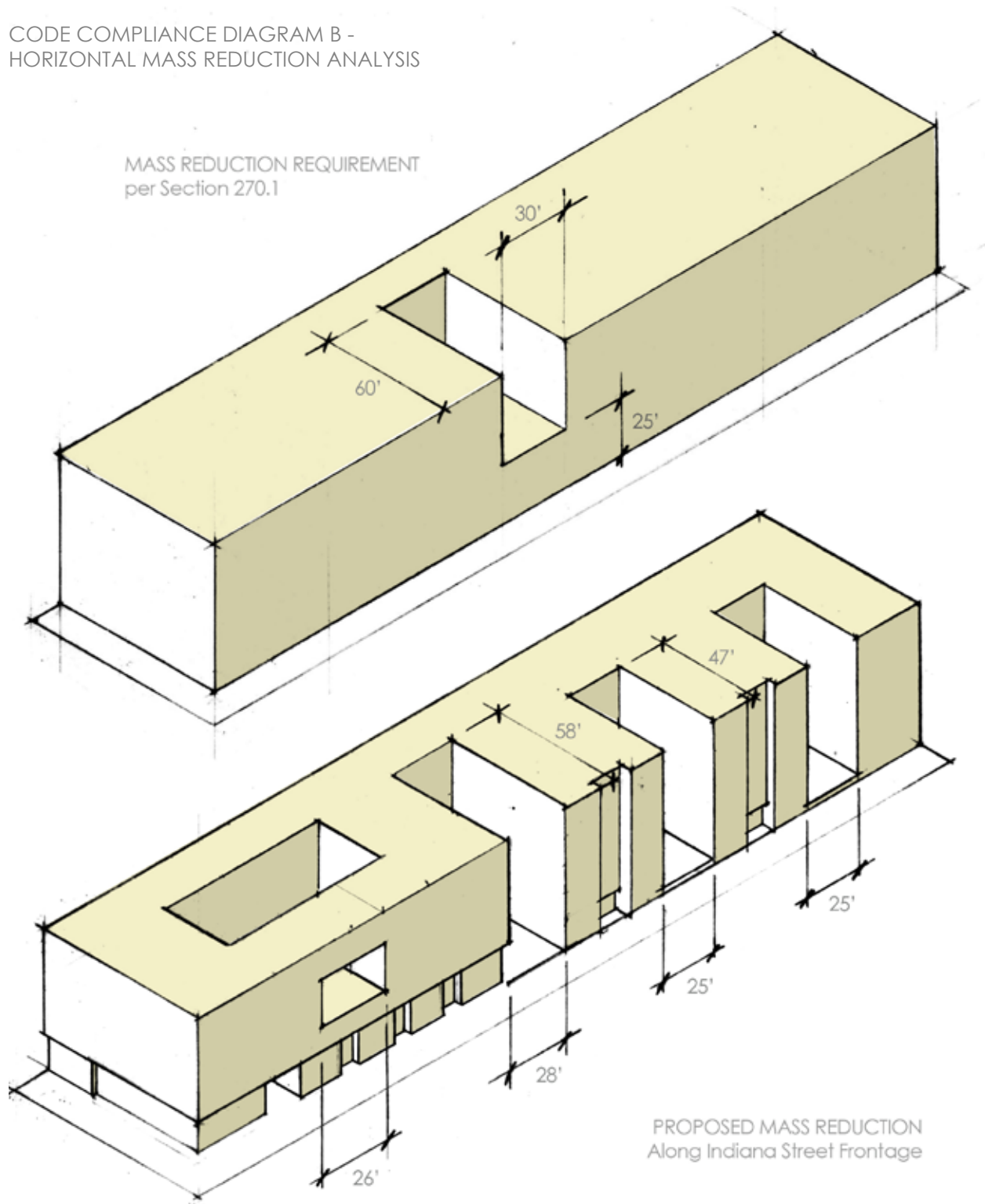
BUILDING.

Kennerly
architecture & planning

PFAU
GN01
ARCHITECTURE

CMG
CONSULTANTS & DESIGNERS
ARCHITECTURE

CODE COMPLIANCE DIAGRAM B -
HORIZONTAL MASS REDUCTION ANALYSIS



CODE COMPLIANCE DIAGRAM C -
EXPOSURE

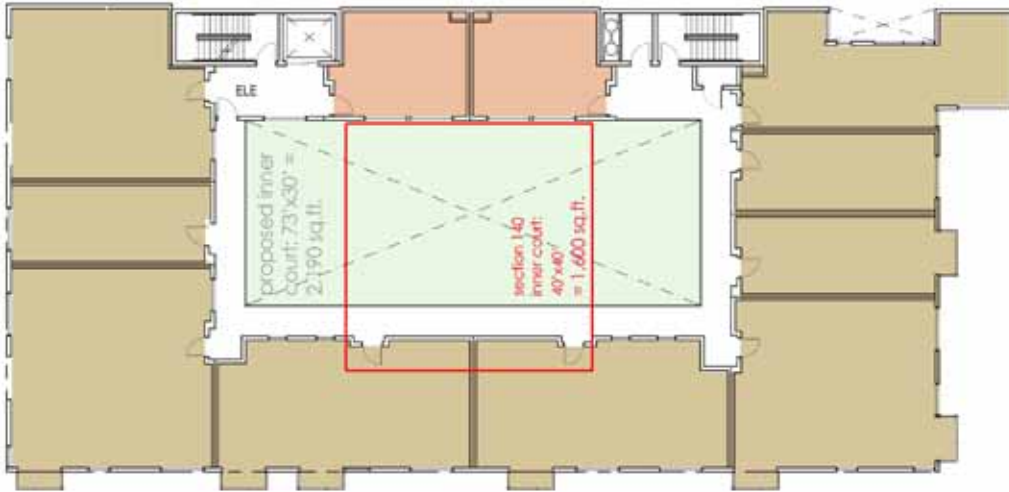


DIAGRAM - C2
Floor plan view of proposed inner court
and Section-140 compliant inner court

RESIDENTIAL USE
DWELLINGS (4 TOTAL) not
compliant with section 140
COURTYARD
OUTLINE OF INNER COURT
COMPLIANT WITH SECTION 140

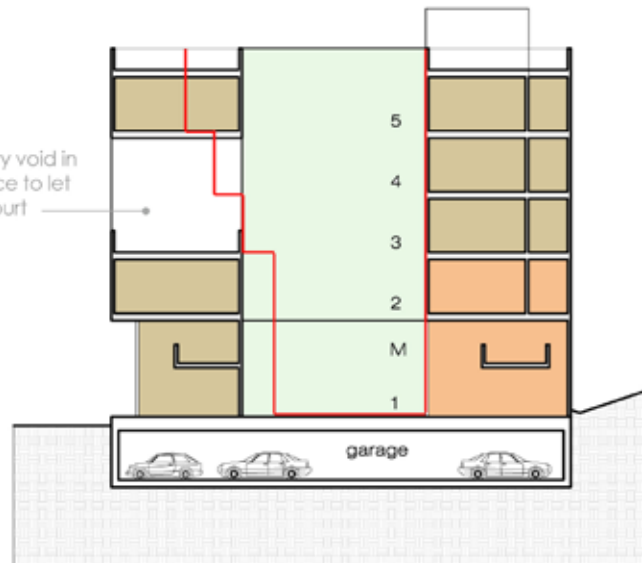


DIAGRAM - C3
Sectional view through
proposed inner court

BUILDING.

Kennerly
architecture & planning

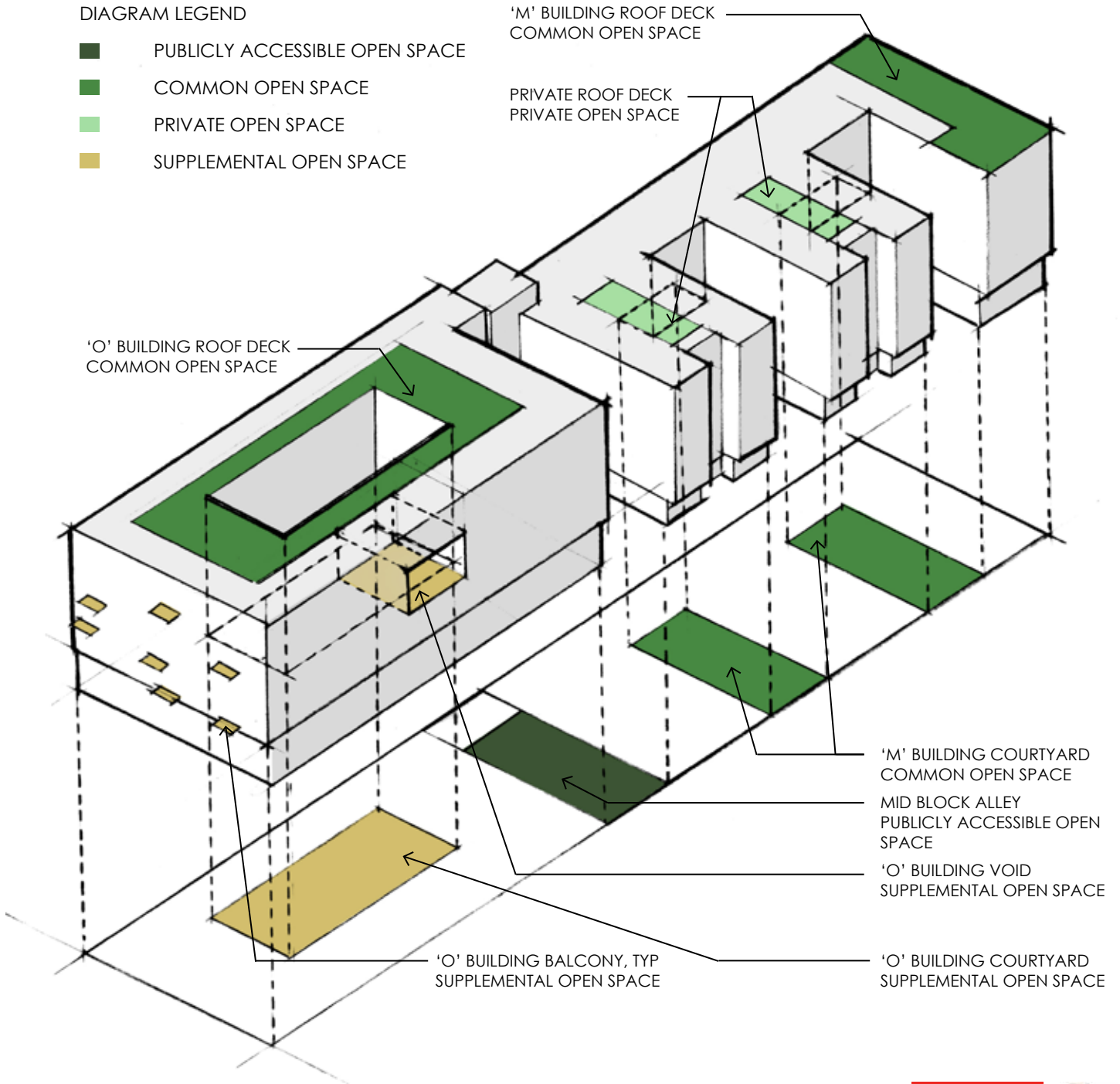
CMG
CONCRETE REPAIR SPECIALISTS
DESIGNERS AND CONTRACTORS

PFAU
GN01
ARCHITECTURE

CODE COMPLIANCE DIAGRAM D -
COMMON USABLE OPEN SPACE

DIAGRAM LEGEND

- PUBLICLY ACCESSIBLE OPEN SPACE
- COMMON OPEN SPACE
- PRIVATE OPEN SPACE
- SUPPLEMENTAL OPEN SPACE



BUILDINC.

Kennerly
architecture & planning

CMG
CONSULTANTS & ENGINEERS

PFAU
GN01
ARCHITECTURE

CODE COMPLIANCE DIAGRAM E -
STREET ACTIVATION



Use Legend

- Community Serving Retail
- Lobby and Fitness area
- Residential Units
- Bike storage

Legend

- Townhouses & Flats with street entry
- Active uses
- Passages

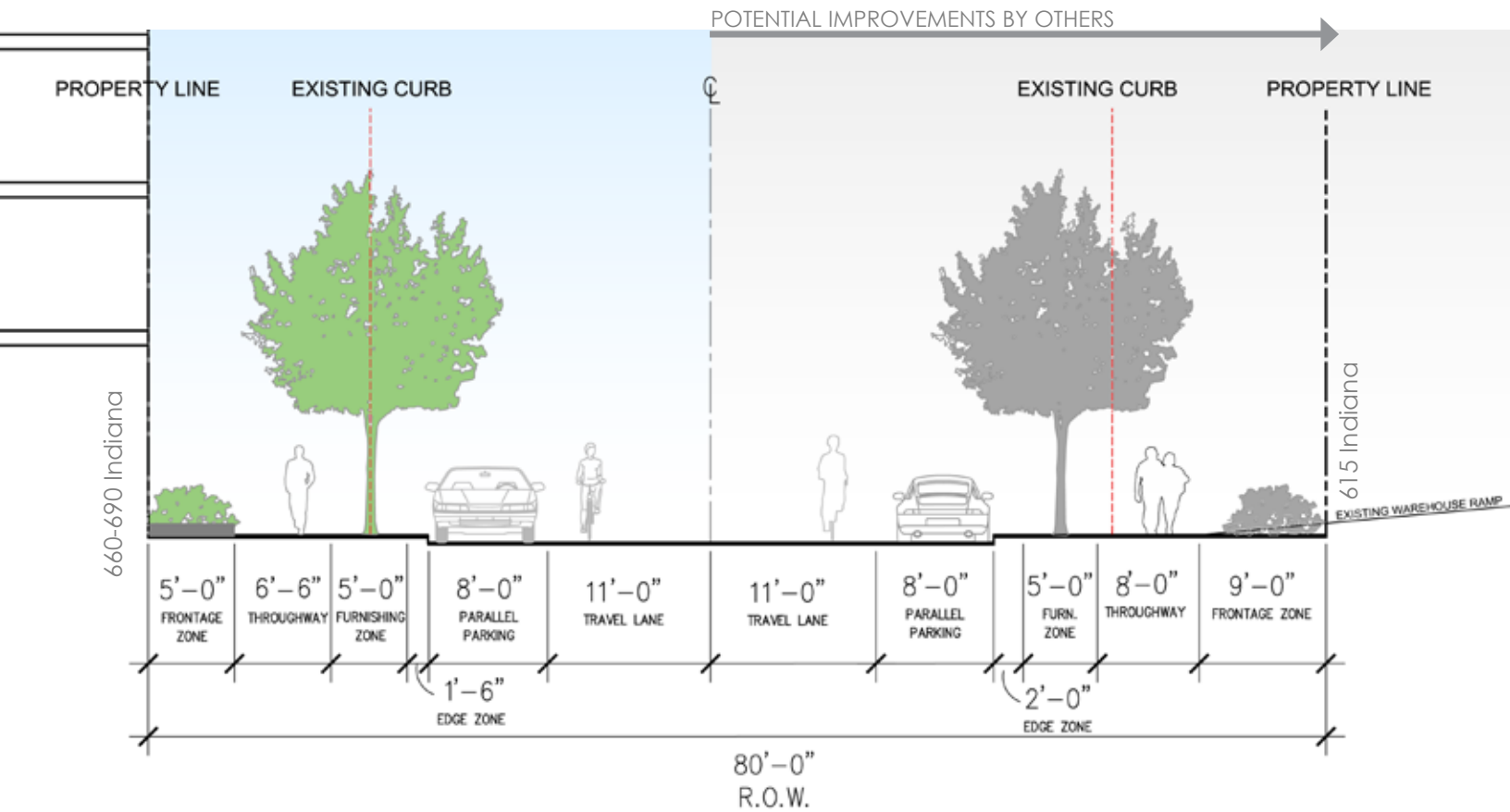
CODE COMPLIANCE DIAGRAM F -
BIKE PARKING



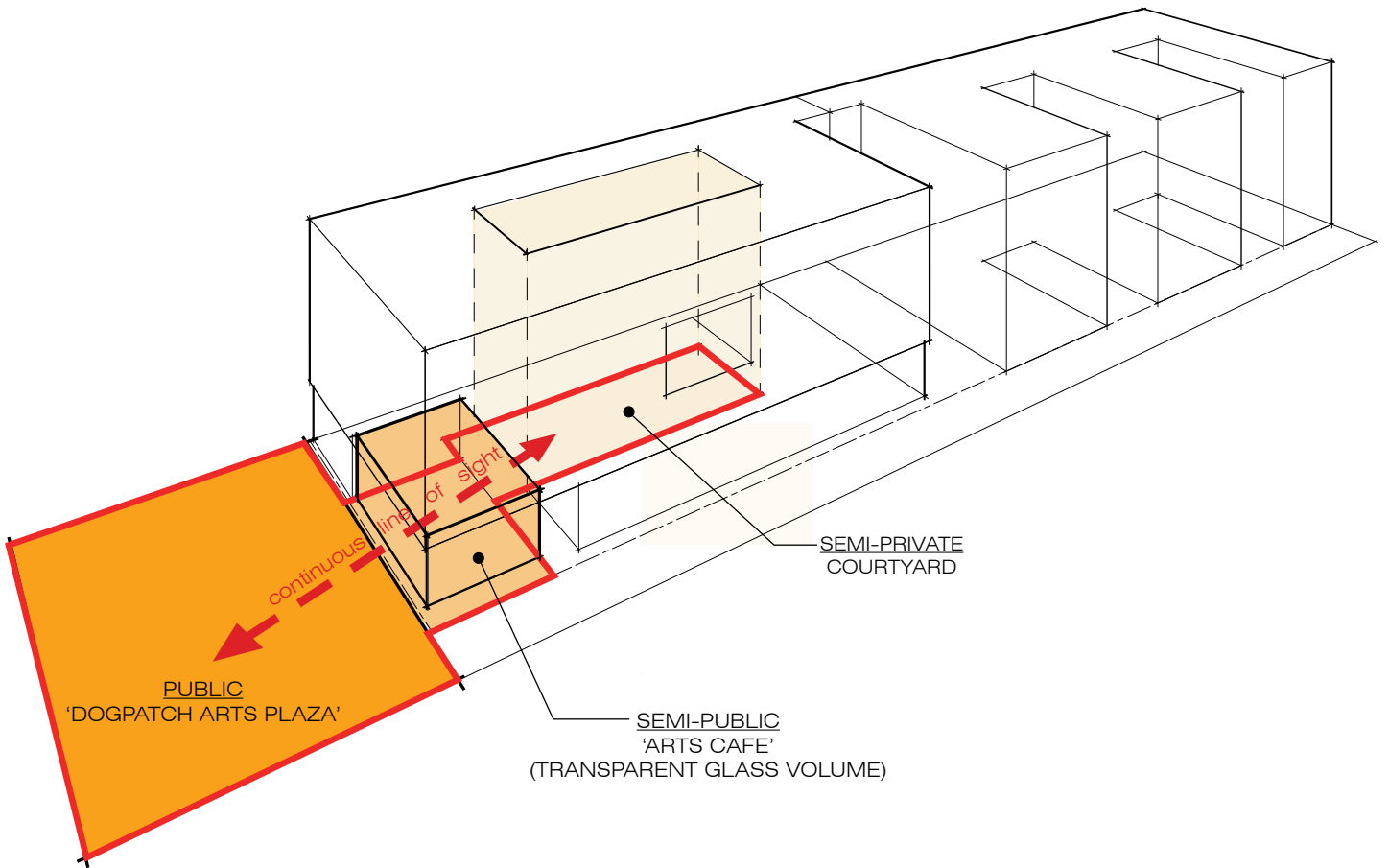
Legend

- Bike Parking:** 111 Bike Parking spaces to be provided
- Passages to Bike Parking**
- Passages to Car Share Parking**

CODE COMPLIANCE DIAGRAM G -
TYPICAL ENTIRE STREET SECTION



CODE COMPLIANCE DIAGRAM H - 'O' BUILDING
PUBLIC PRIVATE TRANSITION SEQUENCE

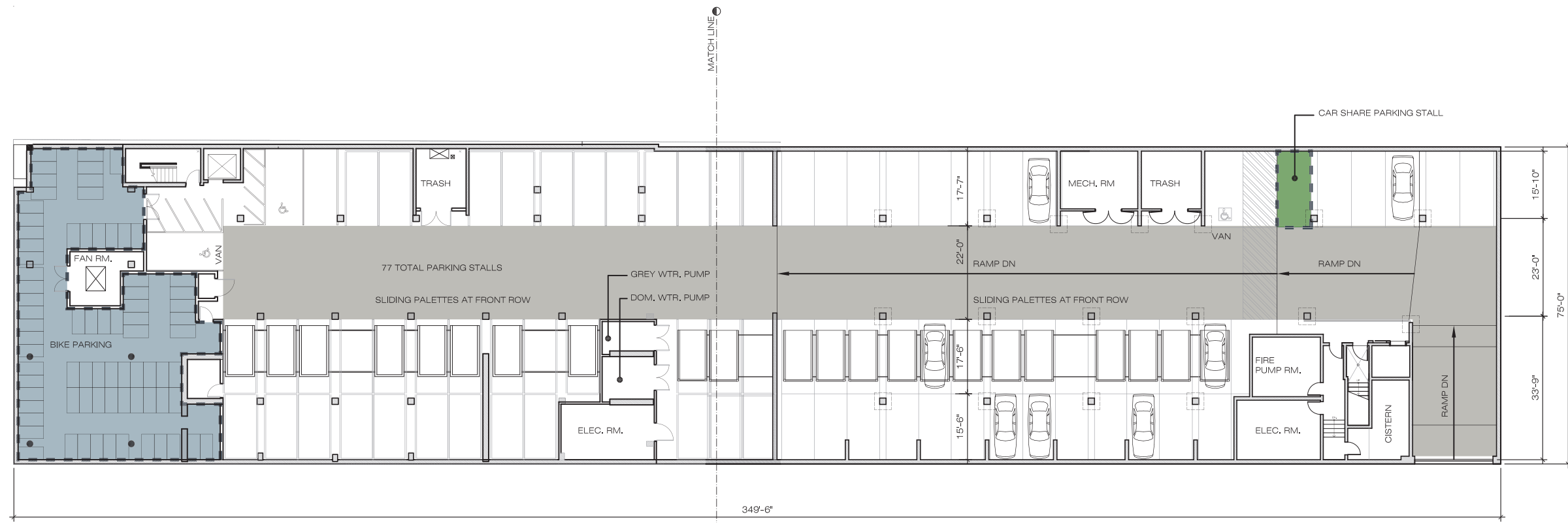


660 - 680 INDIANA

SAN FRANCISCO, CALIFORNIA

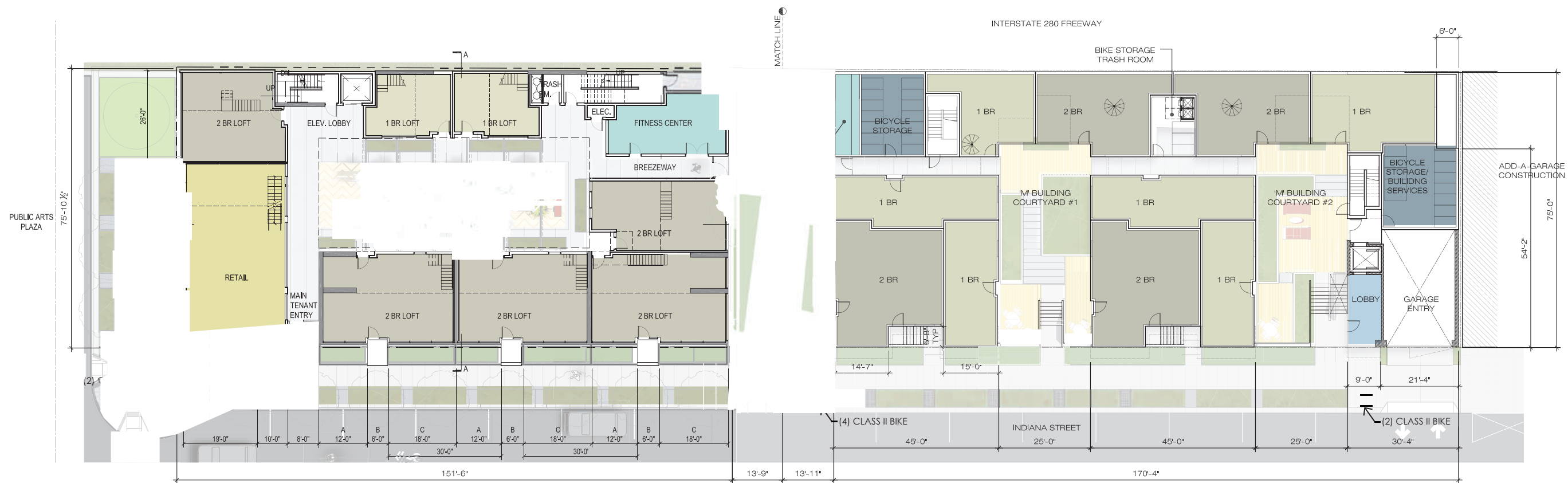
PLANNING COMMISSION GRAPHICS PACKAGE
SUPPLEMENTAL FLOOR PLANS
14 APRIL 2014





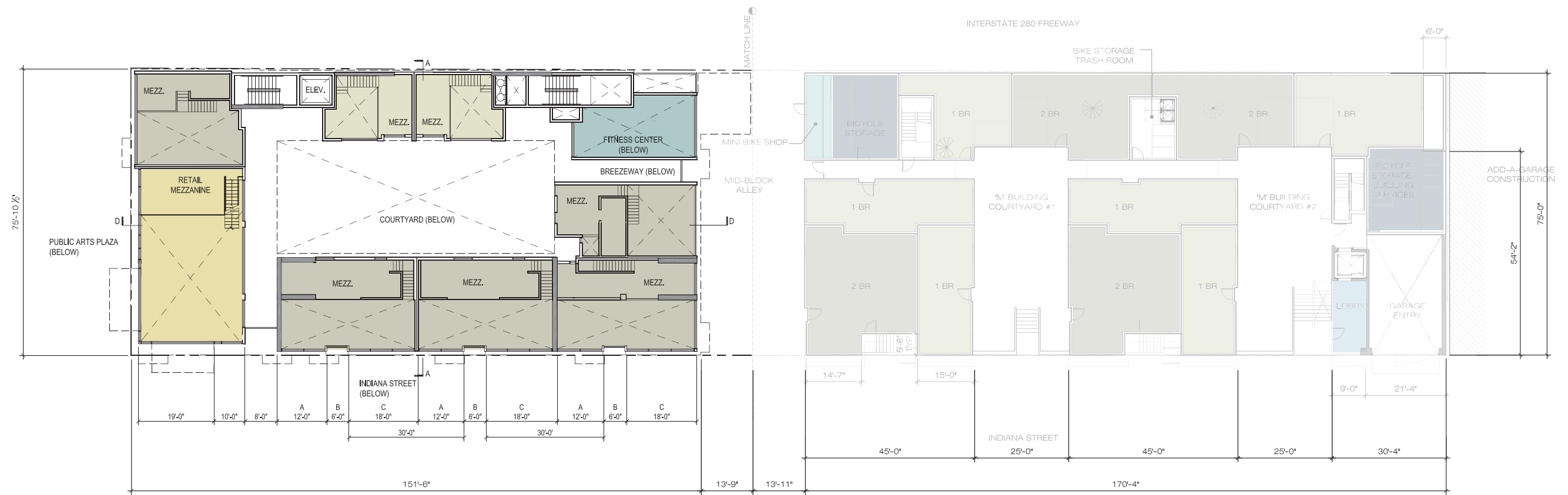
BUILDING 'O' AND 'M': GARAGE PLAN





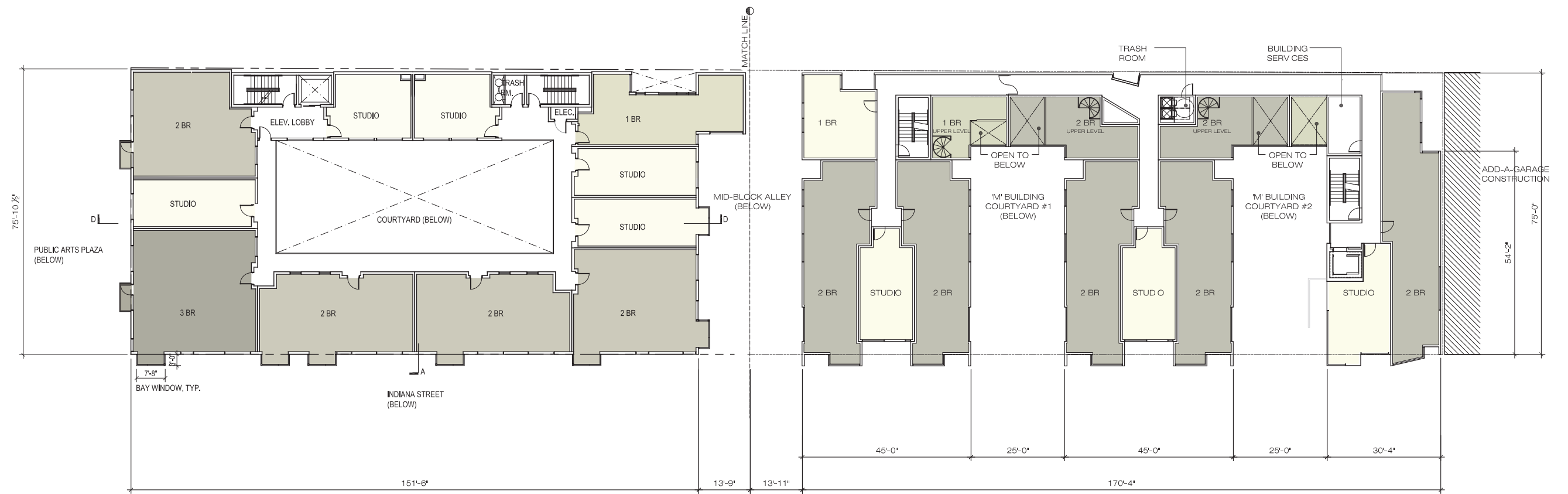
BUILDING 'O' AND 'M': GROUND FLOOR PLAN





BUILDING 'O': FIRST FLOOR MEZZANINE PLAN





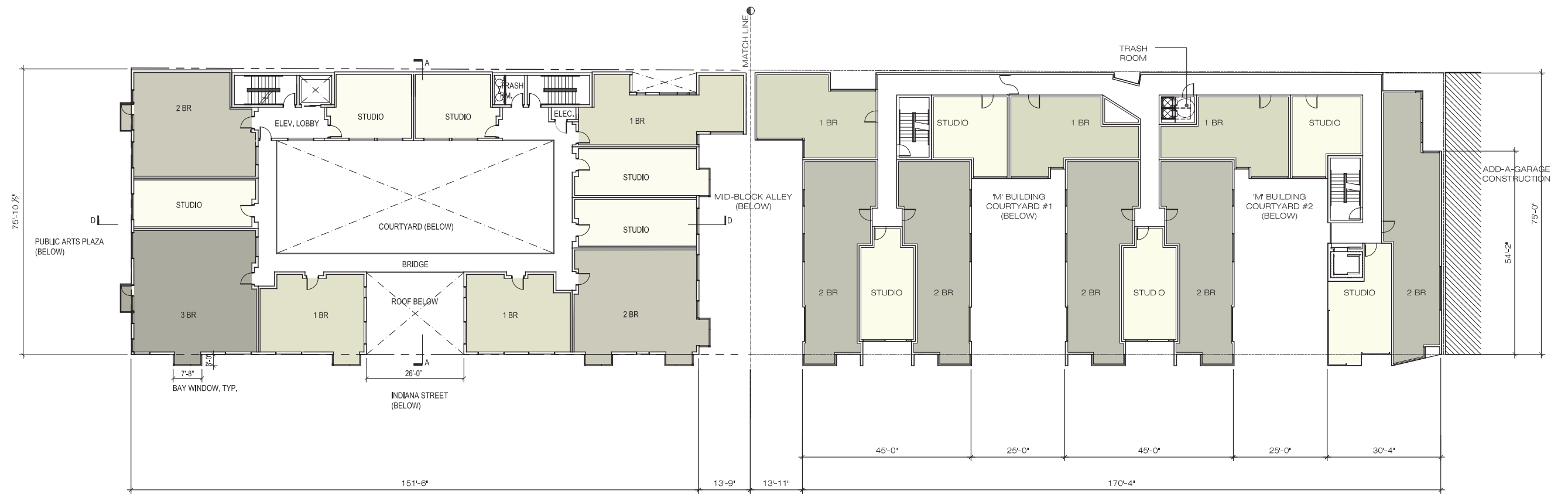
BUILDING 'O' & 'M': SECOND FLOOR PLAN





BUILDING 'O' & 'M': THIRD FLOOR PLAN





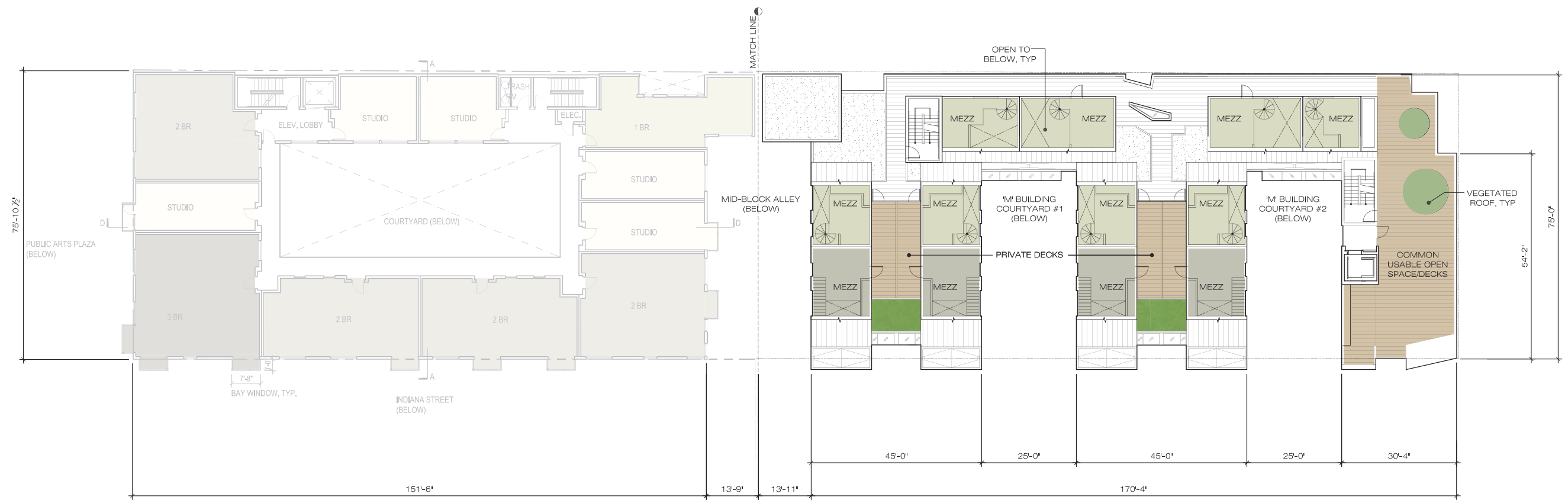
BUILDING 'O' & 'M': FOURTH FLOOR PLAN





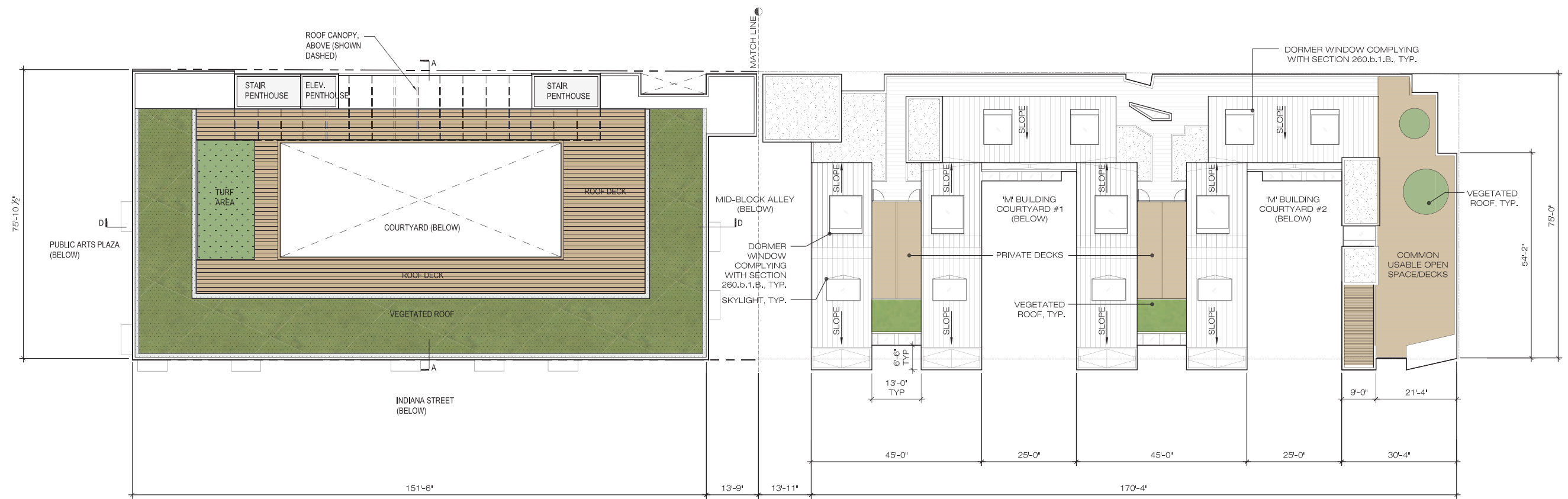
BUILDING 'O' & 'M': FIFTH FLOOR PLAN





BUILDING 'M': FIFTH FLOOR MEZZANINE PLAN





BUILDING 'O' & 'M': ROOF PLAN

