

APPENDIX I

Land Use Documentation

I-1 Land Use Plans and Policies: Project Consistency Tables

**TABLE LU-1
PROJECT CONSISTENCY WITH APPLICABLE GOALS OF SCAG'S 2020-2045 RTP/SCS**

Goal/Strategy	Would the Project conflict?
GOALS	
Encourage regional economic prosperity and global competitiveness.	No Conflict. While goal pertains to SCAG funding and policies, the Project would support and would not conflict with its implementation. The Project would not adversely affect the capacity to encourage regional economic prosperity and global competitiveness. The Project's office, retail, restaurant, and hotel uses would generate net total of 4,523 employees, providing an economic benefit to the region. As the Project does provide regional economic benefits and does so in a manner consistent with other RTP/SCS goals as discussed below, the Project would support SCAG choices regarding this goal to encourage regional economic prosperity and global competitiveness.
Improve mobility, accessibility, reliability, and travel safety for people and goods.	No Conflict. The Project would provide 308 residential units and up to 1,484,197 square feet of commercial uses, including creative office space, a 236-room hotel, an Arts District Central Market, a grocery store, restaurants, studio/event/gallery space and a potential museum, and a gym. The mix of uses would provide services and uses for residents and employees on the Project Site as well as for residents and employees in the surrounding area, thus improving accessibility for people and goods. Also, the Project would provide on-site bicycle parking to support the proposed on-site uses in accordance with the proposed Mesquit Specific Plan. The Project would provide a minimum of 288 short-term and 519 long-term bicycle parking spaces in proximity to the under-construction Ribbon of Light Bridge, which includes two bicycle lanes. ^a The two bicycle lanes would provide access between the Arts District, the planned bicycle and pedestrian path along the banks of the Los Angeles River adjacent to the PARC Improvements, and Boyle Heights. ^b Existing bikeways are also located in the vicinity of the Project Site including bike lanes on 4th Place from Alameda Street to Hewitt Street, on 3rd Street from 4th Place to Santa Fe Avenue, and on Mateo Street from 6th Street to East 4th Street. In addition, the Project Site is located within a Transit Priority Area (TPA) and High Quality Transit Area (HQTA), which would serve to facilitate transit use for residents and guests of the Project Site. The Project would include multiple pedestrian connections throughout the Project Site and would provide access to restaurant, retail, recreation, and entertainment activities within walking and biking distances to multiple Los Angeles County Metropolitan Transportation Authority

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Goal/Strategy	Would the Project conflict?
	(Metro) bus routes, including Metro Lines 18, 60, and 62, which are served by the closest bus stop to the Project Site, and potential future Metro transit projects, including the potential future Metro Arts District/6 th Street Station. The provision of bicycle amenities and proximity and existing and future transit would serve to improve mobility, accessibility, reliability, and travel safety for people and goods in support of this goal.
Enhance the preservation, security, and resilience of the regional transportation system.	No Conflict. See discussion above regarding the Project's location within a TPA and HQTAs and the provision of residential and commercial uses in an area well served by the existing and proposed bikeways and local and regional transit, including the potential future Metro Arts District/6 th Street Station. The proximity of the Project Site to transit and bicycle infrastructure would support the region's transportation investment and the sustainability of the regional transportation system in support of this goal.
Increase person and goods movement and travel choices within the transportation system.	No Conflict. See discussion above regarding the Project's location within a TPA and HQTAs and the provision of residential and commercial uses in an area well served by the existing and proposed bikeways and local and regional bus route, including the potential future Metro Arts District/6 th Street Station. These characteristics would support an increase in person and goods movement and increase the available travel choices within the transportation system in support of this goal.
Reduce greenhouse gas emissions and improve air quality.	No Conflict. As noted above, the Project would support a land use pattern that provides increased opportunity for use of active transportation and transit, which would contribute to reductions in vehicle miles traveled (VMT) resulting in reduced air quality and greenhouse gas (GHG) emissions. The Project would be designed and operated to comply with applicable requirements of the Los Angeles Green Building Code and the 2019 CALGreen Code and designed to United States Green Building Council (USGBC) Leadership in Energy and Environmental Design (LEED) Silver certification or equivalent standards (as provided by Project Design Feature GHG-PDF-1). The Project would incorporate sustainable measures that would reduce air quality and GHG emissions, such as the use of materials and finishes that emit low quantities of VOCs; installation of modern HVAC systems that utilize ozone-friendly refrigerants; high-efficiency Energy Star-certified appliances; drought-resistant landscaping, stormwater

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	<p>retention, incorporation of water conservation features; inclusion of on-site electric vehicle (EV) charging stations for 10 percent of the Code-required parking spaces, as required by code; and the provision of bicycle parking.</p> <p>The Project would provide 308 residential units and up to 1,484,197 square feet of commercial uses, including creative office space; a 236-room hotel; an Arts District Central Market, a grocery store and general retail uses; restaurants; studio/event/gallery space and a potential museum; and a gym. The mix of uses on-site would provide opportunities for pedestrian activity. The Project would provide open space features that include at-grade landscaped areas and pedestrian passageways and walkways throughout the Project Site that would further encourage active transportation on and around the Project Site. In addition, the Project would provide on-site bicycle parking to support the proposed on-site uses in accordance with the proposed Mesquit Specific Plan. The Project would provide a minimum of 288 short-term and 519 long-term bicycle parking spaces in proximity to the under-construction Ribbon of Light Bridge, which includes two bicycle lanes.^a The two bicycle lanes would provide access between the Arts District, the planned bicycle and pedestrian path along the banks of the Los Angeles River adjacent to the PARC Improvements, and Boyle Heights and communities east of the river.^b Additional existing bikeways are located in the vicinity of the Project Site including bike lanes on 4th Place from Alameda Street to Hewitt Street, on 3rd Street from 4th Place to Santa Fe Avenue, and on Mateo Street from 6th Street to East 4th Street. The Project's proximity to these bicycle facilities and provision of bicycle amenities on the Project Site would serve to encourage use of these existing and future bike lanes.</p> <p>Based on the above, the Project's design and characteristics would serve to improve air quality and reduce GHG emissions, in support of this goal.</p>
Support healthy and equitable communities.	<p>No Conflict. As noted above, the Project includes features to reduce air quality impacts, including compliance with the 2019 CALGreen Code and Los Angeles Green Building Code. In addition, the discussion above also notes that the Project provides opportunities for pedestrian activity and the Project's proximity to bicycle facilities and provision of bicycle amenities on the Project Site would serve to encourage use of existing and future bike lanes.</p>

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Goal/Strategy	Would the Project conflict?
	Furthermore, as noted in Chapter II, Project Description, of this EIR, the Project would comply with the affordable housing requirements of Measure JJJ. These design feature and characteristics of the Project would support this goal to support healthy and equitable communities.
Adapt to changing climate and support an integrated regional development pattern and transportation network.	No Conflict. As discussed above, the Project, which is located in TPA and an HQTAs, would provide 308 residential units and up to 1,484,197 square feet of commercial uses, including creative office space; a 236-room hotel; an Arts District Central Market, a grocery store and general retail uses; restaurants; studio/event/gallery space and a potential museum; and a gym in an area served by local and regional bus lines and the potential future Metro Arts District/6 th Street Station. The Project would also provide bicycle amenities on the Project Site. As a result, the Project would support of an integrated regional development pattern and transportation network which would in turn serve to reduce GHG emissions in support of this goal.
Leverage new transportation technologies and data-driven solutions that result in more efficient travel.	No Conflict. This goal pertains to SCAG leveraging new transportation technologies and data-driven solutions that result in more efficient travel. The Project would not adversely affect SCAG's ability to develop more efficient travel consistent with this goal.
Encourage development of diverse housing types in areas that are supported by multiple transportation options.	No Conflict. The Project which is located in TPA and an HQTAs, proposes up to 308 residential units. It is anticipated that the housing units would include 73 studio apartments, 169 one-bedroom apartments, 49 two-bedroom apartments, and 17 three-bedroom apartments. This range in unit sizes and bedroom counts would accommodate a variety of residents. These residential uses would be served by local and regional bus lines and the potential future Metro Arts District/6 th Street Station as well as various bicycle and pedestrian amenities. As such, the Project would support this goal to encourage development of diverse housing types in areas that is support by multiple transportation options.
Promote conservation of natural and agricultural lands and restoration of habitats.	No Conflict. As detailed in the Initial Study, provided in Appendix A of this Draft EIR, the Project Site is located in an urbanized, infill location and does not contain agricultural uses or related operations, nor is the Project Site located within a designated riparian habitat or support suitable habitat for candidate, sensitive, or special status

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Goal/Strategy	Would the Project conflict?
	species. As such, the development of the Project would not conflict with this goal to promote conservation of natural agricultural lands and restoration of habitats.
STRATEGY	
Emphasize land use patterns that facilitate multimodal access to work, educational and other destinations	No Conflict. The Project would support or not impede implementation of this strategy. The Project would locate residential, hotel, office, retail and restaurant uses on an infill site located within the Artists-in-Residence District of the Central City North Community Plan, in Downtown Los Angeles, with access to public transit and employment opportunities, services, and other nearby destinations. The Project would provide a minimum of 288 short-term and 519 long-term bicycle parking spaces to encourage the utilization of alternative modes of transportation. The Project Site has nearby access to public transportation within 0.3 miles, including existing Metro bus routes (e.g., 18, 60, 62, 720) and a Greyhound station located at the southwest corner of 7th Street and Decatur Street. In addition, the closest Metro light rail stations are the Metro L (Gold) Line Pico/Aliso Station, located approximately 0.7 miles from the Project Site; the Little Tokyo/Arts District Station, located approximately 2.0 miles from the Project Site; and Union Station, located approximately 1.5 miles from the Project Site. The Project would incorporate physical and operational Project characteristics that would reduce vehicle trips and VMT and encourage alternative modes of transportation for guests and employees. The Project would reduce VMT as a result of its urban infill location, with nearby access to public transportation, including the existing Metro bus routes (e.g., 18, 60, 62, 720) and a Greyhound station located at the southwest corner of 7th Street and Decatur Street, all located within 0.3 miles of the Project Site. The closest LADOT stop for the LADOT Downtown Area Short Hop (DASH) Loop A is located at the intersection of Molino Street and Palmetto Street, approximately 0.28 miles northwest of the Project Site. The closest Metro light rail stations are the Metro L (Gold) Line Pico/Aliso Station, located approximately 0.7 miles from the Project Site and the Little Tokyo/Arts District Station, located approximately 2.0 miles from the Project Site. In addition, the Project Site is in close proximity to other destinations including off-site residential, retail, and entertainment that would facilitate and encourage pedestrian activity.

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Goal/Strategy	Would the Project conflict?
Focus on a regional jobs/housing balance to reduce commute times and distances and expand job opportunities near transit and along center-focused main streets	No Conflict. The Project would support or not impede implementation of this strategy. The Project would locate complementary high-density residential, hotel, office, retail, restaurant, services, and entertainment uses within a mixed-use development within an existing developed area of Downtown Los Angeles. These uses would also be located near public transit, thus, concentrating and expanding activity between the new uses and transit. The Project would support the balance of jobs and housing, as well as increase local activity between existing residential and commercial uses and the Project's higher density residential, office, hotel, restaurant, and entertainment uses.
Plan for growth near transit investments and support implementation of first/last mile strategies	No Conflict. The Project would support or not impede implementation of this strategy. The Project would provide for a high concentration of development and mix of land uses near existing and future transit investments, and would, thus support pedestrian access between the uses and transit in support of SCAG's first mile/last mile strategies. The Project would also provide a minimum of 288 short-term and 519 long-term bicycle parking spaces to encourage the utilization of alternative modes of transportation and facilitate first/last mile access to and from nearby transit stations.
Prioritize infill and redevelopment of underutilized land to accommodate new growth, increase amenities and connectivity in existing neighborhoods	No Conflict. The Project would support or not impede implementation of this strategy. The Project would redevelop an infill site within Downtown Los Angeles, providing new residential and commercial uses, new amenities, and connectivity within existing neighborhoods. The Project would facilitate connectivity with the surrounding neighborhoods by providing access to and from on-site uses from the four mid-block Entry Plazas between Buildings 1 through 5. The Project would increase amenities through an Elevated Pedestrian Walkway and the River Balconies along the eastern edge of the Project Site, overlooking the Los Angeles River, Ribbon of Light Bridge, the proposed PARC Improvements, and Boyle Heights. The Entry Plaza between Buildings 4 and 5 would provide a public connection from the Mesquit Paseo through the Project Site to the 7th Street Bridge. The North River Balcony would connect to the Project Site's Northern Landscaped Area and proposed PARC Improvements to the north, and the potential future 6th Street/Arts District Metro light rail station. The Project would provide a new

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Goal/Strategy	Would the Project conflict?
	pedestrian corridor along the eastern edge of the Project Site overlooking the Los Angeles River that would serve as a link between the 7th Street Bridge and the Ribbon of Light Bridge. Pedestrian access from the south would be provided directly from the 7th Street Bridge via the South River Balcony to the Elevated Pedestrian Walkway, as well as via the Entry Plaza between Buildings 4 and 5 that would connect to the Mesquit Paseo. Alternately, pedestrian access from the north would be provided from the Northern Landscaped Area, which would connect to the North River Balcony and the Elevated Pedestrian Walkway.
Encourage design and transportation options that reduce the reliance on and number of solo car trips (this could include mixed uses or locating and orienting close to existing destinations)	No Conflict. The Project would support or not impede implementation of this strategy. As indicated in the VMT analysis in Section IV.L, <i>Transportation</i> , of this Draft EIR, the Project would maintain daily residential and employee per capita VMT below the threshold for the Central Area Planning Commission (APC). The reduction in solo trips (per capita VMT) would be achieved through the Project Site's proximity to transit and to a range and variety of complementary residential and commercial land uses in the surrounding neighborhood and in its proximity to the Downtown Los Angeles core. In addition, the complementary uses located within the Project itself would have a symbiotic relationship that would reduce vehicle trips.
Identify ways to "right size" parking requirements and promote alternative parking strategies (e.g. shared parking or smart parking)	No Conflict. The Project would support or not impede implementation of this strategy. The Project would implement a combination of alternative parking strategies. These include the use of automated parking systems, valet parking, or other efficiency parking methods. In addition, the Project would provide a visitor pick-up and drop-off area, including for pick-up and drop-off for ride share, within the parking structure.
Promote low emission technologies such as neighborhood electric vehicles, shared rides hailing, car sharing, bike sharing and scooters by providing supportive and safe infrastructure such as dedicated lanes, charging and parking/drop-off space	No Conflict. The Project would support or not impede implementation of this strategy. The Project would provide a pick-up and drop-off for ride-share within the parking structure. In addition, the Project would provide long-term and short-term bicycle parking. The short-term spaces on the sidewalks would be oriented toward Mesquit Street and 7th Street with some short-term bicycle parking spaces located above-grade and inside of the parking structure near the 7th Street entrance to permit the maximum possible area for pedestrian circulation and streetscape plantings. The long-term bicycle parking spaces would be

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	sited in various locations throughout the parking structure. Long-term spaces would be secured from the general public and enclosed to protect bicycles from inclement weather. The Project would also provide electric vehicle (EV) chargers/spaces throughout the parking structure for occupants and visitors to the Project Site.
Identify ways to improve access to public park space	No Conflict. The Project would support or not impede implementation of this strategy. The Project would improve access to the Los Angeles River and other nearby open space. The Project would provide an Elevated Pedestrian Walkway and the River Balconies along the eastern edge of the Project Site, overlooking the Los Angeles River, Ribbon of Light Bridge, the proposed PARC Improvements, and Boyle Heights. The new pedestrian corridor would also serve as a link between the 7th Street Bridge and the Ribbon of Light Bridge.
<p>^a City of Los Angeles, Bureau of Engineering, Sixth Street Viaduct, https://www.sixthstreetviaduct.org/fact_sheets, accessed July 15, 2021.</p> <p>^b City of Los Angeles, Bureau of Engineering, Sixth Street Viaduct, https://www.sixthstreetviaduct.org/parcproject, accessed July 15, 2021</p> <p>SOURCE: ESA, 2021.</p>	

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
Land Use Chapter	
<p>Objective 3.1: Accommodate a diversity of uses that support the needs of the City's existing and future residents, businesses, and visitors.</p>	<p>No Conflict. The Project would construct a mixed-use development consisting of 308 residential units and up to 1,484,197 square feet of commercial space including 944,055 square feet of office space; a 236-room hotel; 136,152 square feet of commercial/retail space including an Arts District Central Market and a grocery store; restaurants; studio/event/gallery space and a potential museum; and a gym. The residential units would include a mix of 73 studio units, 169 one bedroom units, 49 two bedroom units, and 17 three bedroom units. The residential uses would also include common recreational facilities and gallery space. The Project would also provide 141,876 square feet of open space, pedestrian walkways, and landscaping. The Project would also provide a connection to the PARC Improvements proposed to be located under and adjacent to the Ribbon of Light Bridge, immediately north of the Project Site. The Project's location within a TPA would provide residents, visitors, and employees with convenient access to multiple Metro bus routes and the potential future Metro transit projects. Residents, visitors, and employees would also have access to restaurant, retail, recreation, and entertainment activities within walking and biking distances. Thus, the Project would provide a diversity of land uses that support the needs of the City's existing and future businesses, employees, businesses, and visitors.</p>
<p>Policy 3.1.5: Allow amendments to the community plans and coastal plans to further refine General Plan Framework Element land use boundaries and categories to reflect local conditions, parcel characteristics, existing land uses, and public input. These changes shall be allowed provided (a) that the basic differentiation and relationships among land use districts are maintained, (b) there is no reduction in overall housing capacity, and (c) additional environmental review is conducted in accordance with the California Environmental Quality Act should impacts of</p>	<p>No Conflict. The Project would require an amendment to the Community Plan to change the land use designation from Heavy Industrial to Regional Center Commercial. With a mix of residential and commercial uses that reflect the existing and proposed uses in the Project vicinity, the Project would maintain and reinforce the basic differentiation and relationships among the districts by not physically dividing established communities. In addition, the Project would not result in a reduction in housing capacity, which would otherwise require the construction and replacement of housing elsewhere. The Project is subject to</p>

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Objective/Policy	Would the Project Conflict?
the changes exceed the levels of significance defined and modify the conclusions of the Framework Element's Environmental Impact Report.	environmental review in accordance with CEQA, as provided by this Draft EIR. Therefore, the Project would not conflict with the implementation of this policy.
Objective 3.2: To provide for the spatial distribution of development that promotes an improved quality of life by facilitating a reduction of vehicle trips, vehicle miles traveled, and air pollution.	No Conflict. The Project would construct a mixed-use development and would contribute to, and support, the existing concentration of residential and commercial uses within the Arts District. Residents of the Project and employees of on-site commercial uses would have access to the wide mix of proposed on-site commercial uses totaling up to 1,484,197 square feet, including creative office space, a 236-room hotel, an Arts District Central Market, a grocery store, restaurants, studio/event/gallery space and a potential museum, and a gym on the Project Site. Residents and employees would also have access to entertainment activities within walking and biking distance and via bus and the potential future Metro Arts District/6 th Street Station, offering opportunities to use alternative modes of travel and thus facilitating the reduction of vehicle trips. In addition, the Project Site is located within a TPA and HQTA, which would serve to facilitate transit use for residents and guests of the Project Site. Finally, the Project Site itself would be highly accessible internally and from areas surrounding the Project Site by foot, bicycle, and public transit through the various proposed pedestrian access points and entry plazas.
Policy 3.2.1: Provide a pattern of development consisting of distinct districts, centers, boulevards, and neighborhoods that are differentiated by their functional role, scale, and character. This shall be accomplished by considering factors such as the existing concentrations of use, community-oriented activity centers that currently or potentially service adjacent neighborhoods, and existing or potential public transit corridors and stations.	No Conflict. The Project would introduce a mixed-use residential/commercial development in the Arts District of Downtown Los Angeles. The Project would construct a mixed-use development and would contribute to, and support, the existing concentration of residential and commercial uses within the Arts District. Residents of the Project and employees of on-site commercial uses would have access to the wide mix of proposed commercial uses totaling up to 1,484,197 square feet, ^a including: creative office space, a 236-room hotel, an Arts District Central Market, a grocery store, restaurants, studio/event/gallery space and a potential museum, and a gym on the Project Site. Residents, visitors, and employees would also have

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Objective/Policy	Would the Project Conflict?
	<p>access to restaurant, retail, recreation, and entertainment activities within walking and biking distances.</p> <p>The Project would incorporate at-grade and above-grade open space for use by Project residents, hotel guests, employees, and the general public totaling approximately 141,876 square feet. The publicly accessible open space areas provided by the Project would serve as community-oriented activity centers for the general public to utilize. Event programming in various open space areas would also provide activities that would be available for the public. The Elevated Pedestrian Walkway would serve as a connection between the 7th Street Bridge and the northern edge of the Project site at the Northern Landscaped Area, and would provide a pedestrian connection to the PARC Improvements beneath the Ribbon of Light Bridge. This connection would create pedestrian-oriented areas for people to gather and recreate.</p> <p>The Project's location within a TPA would provide residents, visitors, and employees with convenient access to multiple Metro bus routes and the potential future Metro transit projects. As described within Chapter II, <i>Project Description</i>, of this Draft EIR, the environmental review process for the potential future Metro Arts District/6th Street Station is scheduled for completion in the second quarter of 2021. The Project Site would also serve as a connection to the potential future Metro Arts District/6th Street Station upon completion.</p> <p>As discussed in Chapter II, <i>Project Description</i>, the Applicant seeks to construct a Deck that extends over a portion of the freight and passenger rail lines and rail yards (Railway Properties) off-site and east of the Project Site. Under the Project with the Deck Concept, the Project would include a 132,000 square foot Deck that would span the length of the building and directly connect the 7th Street Bridge and northern edge of the Project Site, providing an expanded pedestrian connection to the PARC beneath the Ribbon of Light Bridge and creating a place for people to gather and recreate. The Deck would serve as an expanded connection to the potential future Metro Arts District/6th Street Station,</p>

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Objective/Policy	Would the Project Conflict?
<p>Policy 3.2.3: Provide for the development of land use patterns that emphasize pedestrian/bicycle access and use in appropriate locations.</p>	<p>as well as a potential connection to the Los Angeles River from the Project Site and its surrounding neighborhoods.</p> <p>Therefore, based on the above considerations regarding the existing concentrations of uses surrounding the Project Site and the existing and potential future public transit stations, the construction of a mixed-use development as proposed by the Project would contribute to, and support, the existing concentration of residential and commercial uses within the Arts District, and would support a pattern of development consisting of distinct districts, centers, boulevards, and neighborhoods that are differentiated by their functional role, scale, and character.</p>
<p>Policy 3.2.4: Provide for the siting and design of new development that maintains the prevailing scale and character of the City's stable residential neighborhoods and enhance</p>	<p>No Conflict. The Project would provide pedestrian- and bicycle- oriented design elements that would help connect residents to the surrounding neighborhood and invite visitors to take advantage of Project amenities. The Project would improve access to the Los Angeles River and the Ribbon of Light Bridge and 7th Street Bridge, which would provide pedestrian and bicycle access between the Arts District and Boyle Heights. The Ribbon of Light Bridge will include two bicycle lanes and wider sidewalks to encourage multi-modal transportation. In addition, the Project would provide on-site bicycle parking to support the proposed on-site uses in accordance with the proposed Mesquit Specific Plan. The Project would provide a minimum of 288 short-term and 519 long-term bicycle parking spaces. The Project would provide a pedestrian- and bicycle-friendly connection between the Los Angeles River and the Arts District as well as pedestrian access points internal to the Project Site itself and from areas surrounding the Project Site, including the proposed entry plazas and Mesquit paseo.</p> <p>No Conflict. The Project would construct a high quality, mixed-use development that would provide both housing and jobs to the area. The Project would provide a range of uses that would serve residents and visitors. The Project would include significant office and hotel components, as well as</p>

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Objective/Policy	Would the Project Conflict?
<p>the character of commercial and industrial districts.</p>	<p>residential and commercial uses, bringing high quality jobs to the region (an estimated 4,630 net new jobs considered together with the commercial component). In addition, the Project would support the Arts District’s transition to a neighborhood with a balance of uses by providing both housing and jobs, along with retail, restaurant, grocery, and public open space.</p> <p>The Project would be constructed in a contemporary architectural style, to include a transparent façade, a sculptural profile, and a three-dimensional design that is visually appealing from all four sides. The view corridors integrated into the design would facilitate connections between the Arts District and the Los Angeles River. The stepped profile would create a distinctive profile, while maintaining human scale and approachability. The overall design approach would complement the Project’s surroundings. Proposed building materials would include concrete, steel, and glass, which are prevalent throughout the warehouse and industrial structures in the Project vicinity.</p> <p>Based on the above, the high quality, mixed-use development proposed under the Project would serve to enhance the character of the surrounding area, which has recently experienced changes in land use through adaptive reuse, infill development, and redevelopment.</p>
<p>Objective 3.4: Encourage new multi-family residential, retail commercial, and office development in the City’s neighborhood districts, community, regional, and downtown centers as well as along primary transit corridors/boulevards, while at the same time conserving existing neighborhoods and related districts.</p>	<p>No Conflict. The Project would provide 308 new residential units along with up to 1,484,197 square feet of commercial floor area, including creative office space, a 236-room hotel, an Arts District Central market, a grocery store, restaurants, studio/event/gallery space and a potential museum, and a gym.</p> <p>The Project Site is located within a TPA due to its proximity to the Metro bus stop located at the southwest corner of 7th Street and S. Santa Fe Avenue which services Metro Lines 18, 60, and 62. The closest Metro light rail stations are the Metro L (Gold) Line Pico/Aliso Station, located approximately 0.7 miles from the Project Site; Little Tokyo/Arts District, located approximately 2.0 miles from the Project Site; and Union Station, located</p>

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Objective/Policy	Would the Project Conflict?
	<p>approximately 1.5 miles from the Project Site. These stations provide service between Downtown Los Angeles and Long Beach and provide connections to the 7th Street/Metro Center in Downtown and the Metro A (Blue), E (Expo), D (Purple), and B (Red) Lines and various bus lines. Metro is also conducting environmental review for the potential future Metro Arts District/6th Street Station, which could provide additional transit accessibility to the Project Site in the future.</p> <p>The Project would therefore provide a new multi-family residential, commercial and office mixed-use development while conserving existing neighborhoods and districts, as the location of the Project within an area served by transit and surrounded by historically industrial and manufacturing-oriented properties, which has recently experienced changes in land use through adaptive reuse, infill development, and redevelopment, would not encroach into or cause conflict with surrounding land uses.</p>
<p>Policy 3.8.4: Enhance pedestrian activity by the design and siting of structures.</p>	<p>No Conflict. Pedestrian access internal to the Project Site would be available on two separate levels: on the ground level of Mesquit Street and on the 7th Street level with stairway, elevator, and escalator connections between the two levels through the Entry Plazas. Elevators would connect to the basement parking levels. As pedestrians enter from the 7th Street entrance by Building 5, they would have the option to stay on the 7th Street Level or walk down to the Mesquit Street Level via stairs, escalators, or elevators between Buildings 4 and 5. The Project's ground-floor levels facing Mesquit Street would include lobbies for the office, hotel, and residential buildings. The ground-floor levels would also include direct access to commercial uses, including the proposed hotel, Arts District Central Market, grocery store, general retail uses, studio/event/gallery uses, and a potential museum. Pedestrians would be able to move from the Mesquit Street level to the 7th Street Level and Deck through the Entry Plazas. The four Entry Plazas, located between Buildings 1 through 5, would provide access from Mesquit Street through to the Elevated</p>

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Objective/Policy	Would the Project Conflict?
	<p>Pedestrian Walkway and the Project's River Balconies along the eastern edge of the Project Site, overlooking the Los Angeles River, Ribbon of Light Bridge, the proposed PARC Improvements, and Boyle Heights. Along the Mesquit streetscape, the Entry Plazas, which would accommodate pedestrian and bicycle circulation, would integrate bicycle parking, raised concrete planters, and benches providing visitors and passersby opportunities for gathering and relaxing.</p> <p>Under the Project with the Deck Concept, the Deck would replace the Elevated Pedestrian Walkway and would further expand the same pedestrian connections throughout the Project Site and to its surrounding neighborhoods. The Deck would allow visitors and pedestrian to similarly overlook the Los Angeles River. Therefore, the buildings' design and location, and streetscape amenities would enhance pedestrian activity.</p>
<p>Policy 3.10.1: Accommodate land uses that serve a regional market in areas designated as "Regional Center" in accordance with Tables 3-1 and 3-6. Retail uses and services that support and are integrated with the primary uses shall be permitted. The range and densities/intensities of uses permitted in any area shall be identified in the community plans.</p>	<p>No Conflict. The Project would be a mixed-use development that would serve a regional market. Implementation of the Project would include a General Plan Amendment to the Community Plan to re-designate the land use of the Project Site from Heavy Industrial to Regional Center Commercial with a corresponding zone of Mesquit Specific Plan (MSP). According to the General Plan Framework Element, a Regional Center should include office, commercial, hotel, and multi-family residential uses, all of which are proposed by the Project.</p> <p>In addition, the General Plan Framework Element calls for Regional Centers to include community-oriented activity facilities or parks. The Project proposes more open space (up to 141,876 square feet) than is required by code (31,225 square feet). The Project's 141,876 square feet of open space would consist of 73,848 square feet of publicly accessible open space, as well as 68,028 square feet of common and private open space and recreational amenities for use by Project residents, hotel guests, and Project employees. Publicly accessible open space features and amenities would include the Northern Landscaped Area, which would connect the Project Site with the City's</p>

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
	<p>proposed PARC Improvements adjacent to and beneath the Ribbon of Light Bridge; Mesquit Paseo which would include event programming; the four Entry Plazas providing east-west midblock access through the Project Site; the Elevated Pedestrian Walkway or Deck connecting the Entry Plazas and River Balconies; and some upper-story terraced walkways and terraces. Under the Project with the Deck Concept, open space would increase up to 273,876 square feet and would include a 132,000 square foot Deck that would be publicly accessible. The Deck would provide additional space for event programming, and would include various amenities for pedestrians, including a sculpture garden, benches and seating areas, landscaping, and other visitor-serving features.</p>
<p>Policy 3.14.6: Consider the potential re-designation of marginal industrial lands for alternative uses by amending the community plans based on the following criteria:</p> <ul style="list-style-type: none"> a. Where it can be demonstrated that the existing parcelization precludes effective use for industrial or supporting functions and where there is no available method to assemble parcels into a unified site that will support viable industrial development; b. Where the size and/or the configuration of assembled parcels are insufficient to accommodate viable industrial development; c. Where the size, use, and/or configuration of the industrial parcels adversely impact adjacent residential neighborhoods; d. Where available infrastructure is inadequate and improvements are economically infeasible to support the needs of industrial uses; e. Where the conversion of industrial lands to an alternative use will not create a fragmented pattern of development and reduce the integrity and viability of existing industrial areas; f. Where the conversion of industrial lands to an alternative use will not result in an adverse 	<p>No Conflict. This is an economic development policy that was not adopted for the purpose of avoiding or mitigating an environmental effect. Therefore, the following is for informational purposes only. The Project is proposing the re-designation of industrial lands. As stated in Chapter II, <i>Project Description</i>, of this Draft EIR, the area surrounding the Project Site is comprised of historically industrial and manufacturing-oriented properties, many of which are experiencing changes in land use through adaptive reuse, infill development, and redevelopment. The proposed General Plan amendment from Heavy Industrial to Regional Center Commercial is consistent with this trend.</p> <p>The Project would introduce 308 residential units, 236 hotel rooms, and 1,484,197 square feet of commercial floor area, which would increase employment opportunities while not adversely affecting adjacent industrial uses.</p> <p>With respect to criteria a, b, d, and e, which pertain to the suitability of the existing Project Site to support industrial uses and Project's potential to adversely affect the viability of other existing industrial uses, the Project Site is presently isolated by the 6th and 7th Street Bridges to the north and south and the Railway Properties to the east, which limit access for trucks under current conditions. The</p>

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
<p>impact on adjacent residential neighborhoods, commercial districts, or other land uses;</p> <p>g. Where it can be demonstrated that the reduction of industrial lands will not adversely impact the City's ability to accommodate sufficient industrial uses to provide jobs for the City's residents or incur adverse fiscal impacts; and/or</p> <p>h. Where existing industrial uses constitute a hazard to adjacent residential or natural areas.</p>	<p>Project Site is also narrow and provides minimal area for truck and employee parking, loading, and maneuvering. The Project Site is not currently directly accessible by vehicles or pedestrians from the east, north, or south. Vehicles and pedestrians coming from the east (e.g., Boyle Heights and points farther east) must travel west across the 7th Street Bridge, past the Project Site to the intersection of 7th Street and Santa Fe Avenue, and then continue north on Santa Fe Avenue and east on Jesse Street to gain access. Similarly, pedestrians coming from the east and south must travel to the intersection of 7th Street and Santa Fe Avenue, and then continue north on Santa Fe Avenue and east on Jesse Street. Vehicles and pedestrians coming from the north must likewise travel south on Santa Fe Avenue and east on Jesse Street. Existing land uses include warehouse, light manufacturing, and industrial uses, and well as existing creative office space; restaurants; and commercial uses; newly constructed residential and live/work spaces, commercial development; office space, recording studios, and performance spaces. While the Project would convert industrial lands to an alternative use, given the types of uses currently surrounding the Project, development of the Project would not create a fragmented pattern of development or reduce the integrity and viability of existing industrial areas.</p> <p>Project implementation would open the Project Site to both north-south and east-west access, creating new direct connections between the Arts District neighborhoods north and south of the Project Site and between the neighborhoods west of the Project Site and the Los Angeles River and Boyle Heights. Thus, development of the Project would not result in a fragmented pattern of development because it would not physically divide an established community, and would improve connectivity in the Project vicinity relative to existing conditions. Because there are no industrial uses along Mesquit Street adjacent to the Project Site, including adjacent to the possible vacation of Mesquit Street for the Mesquit Paseo, the Project would not have the potential to adversely affect the ability of industrial land uses to continue operations. Criteria</p>

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
	<p>f pertains to the potential for conversion of the Project Site from industrial to alternative uses to adversely affect residential uses, commercial districts, or other uses. The Project, including the proposed General Plan amendment and zone change, the mix of residential and commercial uses, and the open space and recreational amenities proposed, would not adversely affect nearby uses. As noted above, the existing uses surrounding the Project Site include Existing land uses include warehouse, light manufacturing, and industrial uses, and well as existing creative office space; restaurants; and commercial uses; newly constructed residential and live/work spaces, commercial development; office space, recording studios, and performance spaces. Given the mix of uses surrounding the Project and similar uses as proposed by the Project, development of the Project would not result in an adverse impact on adjacent residential neighborhoods, commercial districts, or other land uses</p> <p>Regarding criterion g, while the Project would result in the loss of industrial land uses within the Arts District, it would redevelop a site currently being used as one- and four-story freezer, cold storage, and dry storage warehouses with associated office space, loading docks, and surface parking, which is a low-production and low jobs-generating industrial use (approximately 218 existing on-site jobs, as further discussed in Section IV.J, <i>Population and Housing</i>, of this Draft EIR). The Project is anticipated to generate an estimated 4,630 net new employment opportunities associated with the commercial uses which include creative office space, a 236-room hotel, a proposed Arts District Central Market, a grocery store, restaurants, studio/event/gallery space and a potential museum, and a gym. As such, the proposed re-designation under Project would not adversely impact the City's ability to accommodate sufficient industrial uses to provide jobs for the City's residents or incur adverse fiscal impacts.</p> <p>Finally, regarding criteria c and h, the Project would provide new benefits to nearby residents through the provision of goods and services, open space,</p>

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
	<p>recreational amenities, and access to the Los Angeles River, under-construction Ribbon of Light Bridge, and the City's planned PARC improvements. The Project would provide a pedestrian-oriented connection to the Los Angeles River and its recreational facilities. The Project would support surrounding residential and commercial uses by providing amenities, including the proposed Arts District Central Market, studio/gallery/event space and a potential museum, and public terraces that would serve the community at large. In addition, as noted above, the Project would be consistent with the existing surrounding uses, which include existing land uses including warehouse, light manufacturing, and industrial uses, and well as existing creative office space; restaurants; and commercial uses; newly constructed residential and live/work spaces, commercial development; office space, recording studios, and performance spaces.</p>
<p>Objective 3.16: Accommodate land uses, locate and design buildings, and implement streetscape amenities that enhance pedestrian activity.</p>	<p>No Conflict. Pedestrian access internal to the Project Site would be available on two separate levels: on the ground level of Mesquit Street and on the 7th Street level with stairway, elevator, and escalator connections between the two levels through the Entry Plazas. Elevators would connect to the basement parking levels. As pedestrians enter from the 7th Street entrance by Building 5, they would have the option to stay on the 7th Street Level or walk down to the Mesquit Street Level via stairs, escalators, or elevators between Buildings 4 and 5. The Project's ground-floor levels facing Mesquit Street would include lobbies for the office, hotel, and residential buildings. The ground-floor levels would also include direct access to commercial uses, including the proposed hotel, Arts District Central Market, grocery store, general retail uses, studio/event/gallery uses, and a potential museum. Pedestrians would be able to move from the Mesquit Street level to the 7th Street Level and Deck through the Entry Plazas. The four Entry Plazas, located between Buildings 1 through 5, would provide access from Mesquit Street through to the Elevated Pedestrian Walkway and the Project's River Balconies along the eastern edge of the Project Site,</p>

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
	<p>overlooking the Los Angeles River, Ribbon of Light Bridge, the proposed PARC Improvements, and Boyle Heights. Along the Mesquit streetscape, the Entry Plazas, which would accommodate pedestrian and bicycle circulation, would integrate bicycle parking, raised concrete planters, and benches providing visitors and passersby opportunities for gathering and relaxing.</p> <p>Under the Project with the Deck Concept, the Deck would replace the Elevated Pedestrian Walkway and would provide the same pedestrian connections throughout the Project Site and to its surrounding neighborhoods. The Deck would allow visitors and pedestrian to similarly overlook the Los Angeles River. Therefore, the buildings' design and location, and streetscape amenities would enhance pedestrian activity.</p>
<p>Policy 3.16.2. Locate parking in pedestrian districts to the rear, above, or below the street fronting uses.</p>	<p>No Conflict. The Project would provide a minimum of 2,000 traditional vehicle parking spaces, with parking for up to 3,500 vehicles using a combination of automated parking systems, valet parking, or other efficiency parking methods. The Project proposes structured parking at, above, and below grade. Up to six levels of below-grade parking are proposed, spanning the buildings' footprints. Buildings 1 through 3 are located on top of six below-grade levels of parking. Building 4 is located over a parking ramp from 7th Street down to the first floor and would include one level of at-grade and six level of below-grade parking. Building 5 would include one at-grade, one above-grade, and six below-grade levels of parking. Bicycle parking would be stationed in various locations throughout the Project Site and provide both short-term spaces and long-term storage. The majority of the short-term spaces would be oriented toward Mesquit Street and 7th Street and would be sited along Mesquit Street near the pedestrian entrances to housing, the hotel, and commercial uses, including retail uses, the Arts District Central Market, the grocery store, restaurants, studio/event/ gallery and potential museum space, and the gym. In addition, some short-term bicycle parking spaces would be located inside of the parking structure near the 7th</p>

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
	<p>Street entrance to permit the maximum possible area for pedestrian circulation and streetscape plantings. The long-term bicycle parking spaces would be sited in various locations throughout the parking structure. Long-term spaces would be secured from the general public and enclosed to protect bicycles from inclement weather. The limited amount of above-grade parking proposed for the Project within Building 5 would not be visible from the 7th Street Bridge due to an intervening pedestrian ramp and architectural screening (i.e., walls and/or metal mesh). As viewed from Mesquit Street, parking within Building 5 would be screened from view via architectural screening.</p>
<p>Goal 3.18. Provide for the stability and enhancement of multi-family residential, mixed-use, and/or commercial areas of the City and direct growth to areas where sufficient public infrastructure and services exist.</p>	<p>No Conflict. As discussed in Section IV.C, <i>Energy</i>; Section IV.K.1, <i>Fire Protection</i>; Section IV.K.2, <i>Police Protection</i>; Section IV.K.3, <i>Schools</i>; Section IV.K.4, <i>Parks and Recreation</i>; Section IV.K.5, <i>Libraries</i>; Section IV.N.1, <i>Water Supply</i>; Section IV.N.2, <i>Wastewater</i>; and the Initial Study, provided in Appendix A-2 of this Draft EIR, agencies providing public services and utilities to the Project Site would have capacity to serve the Project.</p>
Housing Chapter	
<p>Policy 4.1.1: Provide sufficient land use and density to accommodate an adequate supply of housing units by type and cost within each City sub-region to meet the twenty-year projections of housing needs.</p>	<p>No Conflict. The Project would add 308 net new residential units to the City's current housing stock, which would help the City meet its housing needs established in the SCAG RHNA as implemented through the Housing Element of the General Plan. The Project would provide both affordable housing pursuant to Measure JJJ and market-rate units and would include a mix of 73 studio units, 169 one-bedroom units, 49 two-bedroom units, and 17 three-bedroom units.</p>
<p>Policy 4.1.2: Minimize the overconcentration of very low- and low-income housing developments in City subregions by providing incentives for scattered site development citywide.</p>	<p>No Conflict. As stated in response to Policy 4.1.1, above, the Project would collocate affordable housing and market-rate housing on the Project Site, with equal access to goods and services, open space, recreational amenities, and transit access on the Project Site and in the vicinity. In so doing, the Project would avoid contributing to an</p>

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
	overconcentration of very low- and low-income housing.
Policy 4.1.9: Whenever possible, assure adequate health-based buffer zones between new residential and emitting industries.	No Conflict. As discussed in Section IV.A, <i>Air Quality</i> , of this Draft EIR, development of the Project would remove the existing cold storage facility. The diesel particular matter (DPMs) emissions from the approximately 145 trucks and equipped transportation refrigeration units (TRUs) that currently visit the site on a daily basis would no longer occur. In addition, based on review of SCAQMD's Facility Information Detail (F.I.N.D.) database, there are no major existing industrial uses that have emissions above SCAQMD facility reporting thresholds in the Project vicinity that would be sources of toxic air contaminants (TACs). ¹
Objective 4.2: Encourage the location of new multi-family housing development to occur in proximity to transition stations, along some transit corridors, and within some high activity areas with adequate transitions and buffers between higher-density developments and surrounding lower-density residential neighborhoods.	No Conflict. The Project would develop multi-family housing development on the Project Site. As discussed in Objective 3.2 and Policy 3.2.1, above, the Project Site is located within walking and biking distance to multiple bus lines and the potential future Metro Arts District/6 th Street Station. The provision of housing and commercial uses near transit would serve to reduce VMT. The Project's uses would be similar to the surrounding existing uses developed and proposed to be developed and would support this objective.
Urban Form and Neighborhood Design Chapter	
Goal 5A: A livable City for existing and future residents and one that is attractive to future investment. A City of interconnected, diverse neighborhoods that builds on the strengths of those neighborhoods and functions at both the neighborhood and Citywide scales.	No Conflict. The Project would replace a cold storage facility with an open, mixed-use development. The Project would introduce 308 new housing units along the hotel, restaurants, and retail along with new public open space that highlights and draws attention to the Los Angeles River and areas around Downtown Los Angeles. In addition, the Project Site's unique location would engage the community with the Los Angeles River and help to complement the City's investment in the future Ribbon of Light Bridge. The Project would enhance the built environment in the surrounding

¹ SCAQMD, Facility Information Detail (F.I.N.D.), <http://www.aqmd.gov/nav/FIND>, accessed October 23, 2021.

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
	<p>neighborhood. The Project's use of concrete, steel, and glass reflect the warehouses and art lofts that have become the cornerstone of the Arts District's aesthetic.</p> <p>The Project would provide pedestrian- and bicycle-oriented design features, including various public amenity areas such as the Mesquit Paseo, throughout the Project and bicycle parking spaces, among other features, that would help connect residents to the surrounding neighborhood and invite visitors to take advantage of Project amenities. The mix of office, residential, hotel, retail, restaurant, and event space uses would serve both visitors and residents. Based on the above, the Project would contribute to a livable City with interconnected neighborhoods in support of this goal.</p>
<p>Objective 5.2: Encourage future development in centers and in nodes along corridors that are served by transit and are already functioning as centers for the surrounding neighborhoods, the community, or the region.</p>	<p>No Conflict. The Project would provide new residential and commercial uses within a TPA due to its proximity to the Metro bus stop located at the southwest corner of 7th Street and S. Santa Fe Avenue which services Metro Lines 18, 60, and 62. The closest Metro light rail stations are the Metro L (Gold) Line Pico/Aliso Station, located approximately 0.7 miles from the Project Site; Little Tokyo/Arts District, located approximately 2.0 miles from the Project Site; and Union Station, located approximately 1.5 miles from the Project Site. These stations provide service between Downtown Los Angeles and Long Beach and provide connections to the 7th Street/Metro Center in Downtown and the Metro A (Blue), E (Expo), D (Purple), and B (Red) Lines and various bus lines. Metro is also conducting environmental review for the potential future Metro Arts District/6th Street Station, which would be provide additional transit accessibility to the Project Site.</p> <p>With access to these various modes of transportation, implementation of the Project would support mobility and the accessibility to the Project Site as well as throughout the region.</p>
<p>Objective 5.5: Enhance the livability of all neighborhoods by upgrading the quality of</p>	<p>No Conflict. The Project would provide a mix of uses including housing, a 236-room hotel, and a</p>

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
development and improving the quality of the public realm.	<p>range of commercial uses including an Arts District Central Market, a grocery store, restaurants, studio/event/gallery space and a potential museum space, and a gym. The Project's housing component would include affordable units, compliant with Measure JJJ requirements, and a range of bedroom counts, from studios to three-bedroom units. The Project's office and commercial components would bring an estimated net 4,630 jobs to the Arts District. The Project's inclusion of public open space, view corridors, and landscaping would provide valuable amenities to residents, hotel guests, offices workers, and visitors. The ground floor spaces bordering the street would be oriented toward Mesquit Street and provide public access to the Project and its various components. The Project would also be accessible through four Entry Plazas, which would allow for comfortable ingress and egress and provide views of the Los Angeles River. Along the Mesquit streetscape, the Entry Plazas intended for pedestrian and bicycle circulation would integrate bicycle parking, raised concrete planters, and benches providing visitors and passersby opportunities for gathering and relaxing. The Entry Plazas would provide access to the Project, River Balconies, and Elevated Pedestrian Walkway along the eastern edge of the Project Site, which would in turn serve as a pedestrian connection between 7th Street to the south and the Ribbon of Light Bridge and the City's proposed PARC Improvements to the north.</p> <p>Under the Project with the Deck Concept, the Deck would provide additional publicly accessible outdoor space with views of and connections to the Los Angeles River and beyond. The Deck would link the 7th Street Bridge and the Northern Landscaped Area on the Project Site, providing a pedestrian connection to the City's PARC Improvements adjacent to and underneath the Ribbon of Light Bridge and creating a place for people within the development and in the adjacent neighborhoods to gather and recreate. The Deck would provide additional space for event programming, and would include various amenities for pedestrians, including a sculpture garden, benches and seating areas,</p>

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
	landscaping, and other visitor-serving features. Based on the above, the Project would serve to improve the quality of the public realm and enhance livability of the neighborhood, in support of this objective.
Open Space and Conservation Chapter	
<p>Policy 6.4.7: Consider as part of the City's open space inventory of pedestrian streets, community gardens, shared school playfields, and privately-owned commercial open spaces that are accessible to the public, even though such elements fall outside the conventional definitions of "open space." This will help address the open space and outdoor recreation needs of communities that are currently deficient in these resources (see the Recreation and Parks section in Chapter 9: Infrastructure and Public Services).</p>	<p>No Conflict. The Project would support this City policy by providing publicly-accessible open space and amenities, including a proposed publicly accessible Northern Landscaped Area that would connect the Project Site with the City's proposed PARC Improvements adjacent to and beneath the Ribbon of Light Bridge. In addition, the Project would provide four major pedestrian passageways (Entry Plazas), landscaped balconies (River Balconies), an Elevated Pedestrian Walkway, a publicly accessible paseo (Mesquit Paseo), a Public Plaza Flex Deck, and 7th Street Terraces, among other proposed publicly-accessible amenities. These open space areas would be landscaped and would serve to meet the open space and outdoor recreation needs of the surrounding community, as well as the residents of the Project, in support of this policy.</p>
<p>Policy 6.4.8: Maximize the use of existing public open space resources at the neighborhood scale and seek new opportunities for private development to enhance the open space resources of the neighborhoods.</p>	<p>No Conflict. The Project proposes more open space (up to 141,876 square feet) than is required by code (up to 31,225 square feet), which includes publicly-accessible common and private open space and recreational amenities for use by Project residents, hotel guests, and Project employees. Under the Project with the Deck Concept, open space would increase up to 273,876 square feet. Publicly accessible open space features and amenities would include the Northern Landscaped Area, which would connect the Project Site with the City's proposed PARC Improvements adjacent to and beneath the Ribbon of Light Bridge; the four Entry Plazas providing east-west midblock access through the Project Site; the River Balconies and elevated pedestrian walkway connecting the Entry Plazas and River Balconies; and some upper-story terraced walkways and terraces.</p>

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
	<p>The Project would provide a mix of uses including housing, a 236-room hotel, and a range of commercial uses including an Arts District Central Market, a grocery store, restaurants, studio/event/gallery space and a potential museum space, and a gym. The Project would provide a total of approximately 141,876 square feet of open space for use by Project residents, hotel guests, employees, and visitors. Proposed open space features include at-grade landscaped areas, pedestrian passageways and walkways, balconies offering views of the Los Angeles River, and above-grade landscaped terraces and pool amenity decks. Metro also proposes the potential Angeles River Bike Path Gap Closure Project in the Project area, which would create an eight-mile-long bicycle path on the river’s west bank that links existing paths to the north and south, part of a 32-mile bikeway envisioned to extend from the San Fernando Valley to Long Beach.² The Project would provide bicycle-oriented design elements that would connect to the surrounding neighborhood and invite visitors to take advantage of Project amenities. The Project would improve access to the Los Angeles River and the Ribbon of Light Bridge and 7th Street Bridge and would provide bicycle access between the Arts District and Boyle Heights through the Northern Landscaped Area proposed on the northernmost portion of the Project Site. In addition, the Project would provide on-site bicycle parking to support the proposed on-site uses in accordance with the proposed Mesquit Specific Plan. The Project would provide a minimum of 288 short-term and 519 long-term bicycle parking spaces. The Project would provide a pedestrian- and bicycle-friendly connection between the Los Angeles River and the Arts District.</p> <p>Under the Project with the Deck Concept, the Deck could host additional event programming, such as a farmers market or other community events. The</p>

² Metro, The Source Transportation News and Views, Project aims to close eight-mile gap in L.A. River bike path through DLTA, November 27, 2017, <https://thesource.metro.net/2017/11/27/project-aims-to-close-eight-mile-gap-in-l-a-river-bike-path-through-dtla/>. Accessed January 19, 2021.

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
	<p>construction of the Deck would provide a potential opportunity for the Project Site and nearby neighborhoods to connect to the Los Angeles River. The Deck would provide expanded access to future Metro transit projects and could allow for increased connection and accessibility of Mesquit Street from the surrounding streets and neighborhoods.</p>
<p>Policy 6.4.8.a: Encourage the development of public plazas, forested streets, farmer’s markets, residential commons, rooftop spaces and other places that function like open space in urbanized areas of the City with deficiencies of natural open space, especially in targeted growth areas.</p>	<p>No Conflict. See the response to Policy 6.4.8, above. As stated therein, the Project proposes more open space (up to 141,876 square feet) than is required by code (up to 31,225 square feet), as well as common and private open space and recreational amenities for use by Project residents, hotel guests, and Project employees. Under the Project with the Deck Concept, open space would increase up to 273,876 square feet. Therefore, the Project would reduce the existing deficit of open space and public common areas within an urbanized area of the City.</p>
<p>Economic Development Chapter</p>	
<p>Goal 7B: A City with land appropriately and sufficiently designated to sustain a robust commercial and industrial base.</p>	<p>No Conflict. The Project would construct a mixed-use development consisting of residential uses and up to 1,484,197 square feet of commercial space including 944,055 square feet of office space; a 236-room hotel; 136,152 square feet of commercial/retail space including an Arts District Central Market and a grocery store; restaurants; studio/event/gallery space and a potential museum; and a gym. The Project would result in 4,630 net new jobs on-site during operation of the Project and would generate ongoing revenues to the City in the form of sales and business license taxes. In addition, the Project Site represents only 0.47 percent of the industrially zoned land in the Central City North Community Plan area. Therefore, adequate land would remain to sustain a robust industrial base, and the project would contribute to a robust commercial base.</p>
<p>Objective 7.2: Establish a balance of land uses that provides for commercial and industrial development which meets the needs of local residents, sustains economic growth,</p>	<p>No Conflict. The Project would construct a mixed-use development consisting of residential uses and up to 1,484,197 square feet of commercial space including 944,055 square feet of office space; a 236-room hotel; 136,152 square feet of commercial/retail space including an Arts District Central Market and</p>

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
and assures maximum feasible environmental quality.	a grocery store; restaurants; studio/event/gallery space and a potential museum; and a gym. Development of the Project would support this objective by providing uses to sustain the employment base of the Central City North Community Plan area, and help meet the employment needs of the local residents, and foster continued economic investment. In addition, the Project Site would be in proximity to public transit and opportunities for walking and biking, which would serve to reduce vehicle trips, VMTs, and consequently air pollution, that would ensure maximum feasible environmental quality, in support of this objective.
Policy 7.2.3: Encourage new commercial development in proximity to rail and bus transit corridors and stations.	No Conflict. The Project would construct a mixed-use development consisting of residential uses and up to 1,484,197 square feet of commercial space including 944,055 square feet of office space; a 236-room hotel; 136,152 square feet of commercial/retail space including an Arts District Central Market and a grocery store; restaurants; studio/event/gallery space and a potential museum; and a gym on the Project Site. As discussed in Objective 3.2, above, the Project Site is located in close proximity to multiple bus lines and the potential future Metro Arts District/6 th Street Station. The provision of commercial uses near transit, in support of this policy, would serve to reduce VMT.
Policy 7.2.8: Retain the current manufacturing and industrial land use designations, consistent with other Framework Element policies, to provide adequate quantities of land for emerging industrial sectors.	No Conflict. The Project would construct a mixed-use development consisting of residential uses and up to 1,484,197 square feet of commercial space including 944,055 square feet of office space; a 236-room hotel; 136,152 square feet of commercial/retail space including an Arts District Central Market and a grocery store; restaurants; studio/event/gallery space and a potential museum; and a gym on the Project Site. The Project Site is currently developed with warehouse uses that would be removed in order to develop the Project as proposed. Therefore, while the Project would require a general plan amendment to change the Community Plan land use designation from Heavy Industrial to Regional Center Commercial, the Project Site represents only 0.47 percent of the industrially zoned land in the

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
	Central City North Community Plan area. Therefore, adequate quantities of land for emerging industrial sections would remain in support of this policy. Also see Policy 3.14.6, which, as analyzed above, determined that the Project would meet the criteria for changing the current industrial land use designation.
Policy 7.2.9: Limit the redesignation of existing industrial land to other land uses except in cases where such redesignation serves to mitigate existing land use conflicts, and where it meets the criteria spelled out in Policy 3.14.6 of Chapter 3: Land Use.	No Conflict. See analysis provided above for Policy 3.14.6. As discussed above, the Project would meet the criteria for changing the current industrial land use designation.
Public Services and Infrastructure Chapter	
Goal 9A: Adequate wastewater collection and treatment capacity for the City and in basins tributary to City-owned wastewater treatment facilities.	No Conflict. As described in Section IV.N.1, <i>Wastewater</i> , of this Draft EIR, wastewater generated during operation of the Project would be discharged to the existing eight-inch line in Mesquit Street between 7 th Street and Jesse Street, which would be upgraded to a 10 to 15-inch line under the Project. The Project would also require a new 10 to 15-inch line in Jesse Street to connect to the new 10 to 15-inch line in Mesquit Street to then connect to the existing 36-inch line in Santa Fe Avenue. These lines immediately adjacent to the Project Site would then connect to a network of sewer lines and ultimately convey the Project's wastewater flows to the Hyperion Water Reclamation Plant (HWRP) for treatment. As analyzed in Section IV.N.1, <i>Wastewater</i> , of this Draft EIR, ample future capacity at the HWRP exists. Therefore, in support of this goal, there is adequate wastewater collection and treatment capacity to service the Project.
Policy 9.3.1: Reduce the amount of hazardous substances and total amount of flow entering the wastewater system.	No Conflict. The wastewater generated by the Project would be typical of residential, commerce, and office uses, and would not include industrial discharge containing hazardous substances, as analyzed further in Section IV.G, <i>Hydrology and Water Quality</i> , of this Draft EIR. In addition, as discussed in Section IV.N.2, <i>Water Supply</i> , the Project would include water features to reduce water

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
	usage, which would in turn reduce the total amount of wastewater flow entering the wastewater system.
Objective 9.6: Pursue effective and efficient approaches to reducing stormwater runoff and protecting water quality.	No Conflict. As discussed in Section IV.G, <i>Hydrology and Water Quality</i> , of this Draft EIR, the LID Manual requires that the maximum “design capture volume” for the Project Site to be 16,424 cubic feet. To achieve, this the Project proposes the installation of infiltration systems, such as dry wells and bioretention facilities which may be supplemented by underground storage pipes. The infiltration system and pipes would temporarily store the captured stormwater until the stored volume is entirely infiltrated into the soil. Therefore, the Project would pursue effective and efficient approaches to reducing stormwater runoff and protecting water quality.
Objective 9.10: Ensure that water supply, storage, and delivery systems are adequate to support planned development.	No Conflict. As evaluated in Section IV.N.2, <i>Water Supply</i> , of this Draft EIR, the approved LADWP WSA determined that adequate water supplies exist to meet the Project’s projected water demand between 2015 and 2040, in addition to the existing and planned future demands on LADWP. The Project would also implement Project Design Feature WS-PDF-1 to reduce water demand in addition to those measures required by the City’s current codes and ordinances. Specifically, Project Design Feature WS-PDF-1 commits the Project to providing high efficiency toilets, a domestic water heating system located in proximity to point(s) of use, a leak detection system, drip/subsurface irrigation, proper hydro-zoned/zoned irrigation, installation of drought-tolerant plants and installation of water conserving turf, an automated pool chemical delivery system, and the installation of thermal pool covers on all outdoor pools/spas. Furthermore, the Project would not exceed the available capacity within the distribution infrastructure that would serve the Project Site.
Goal 9P: Appropriate lighting required to (1) provide for nighttime vision, visibility, and safety needs on streets, sidewalks, parking lots, transportation, recreation, security, ornamental and other outdoor locations; (2)	No Conflict. As described in Chapter II, <i>Project Description</i> , the Project includes a proposed Sign District with specific regulations for the Project Site. As described therein, new lighting would include signage, commercial accent lighting, wayfinding,

TABLE LU-2
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE FRAMEWORK ELEMENT

Objective/Policy	Would the Project Conflict?
<p>provide appropriate and desirable regulation of architectural and informational lighting such as building façade lighting or advertising lighting; and (3) protect and preserve the nighttime environment, views, driver visibility, and otherwise minimize or prevent light pollution, light trespass, and glare.</p>	<p>balcony lighting, and security markings. Pedestrian areas, including pathways and entryways into the Project, would be well-lit for security reasons. On-site lighting would be designed to provide clear identification of the locations of major tenants, as well as to highlight pedestrian and vehicle entrances and exits, architectural features, and certain landscape elements, and to meet public safety standards. A Lighting Study, prepared by Francis Krahe & Associates, is included in Appendix I-2 of this Draft EIR. As evaluated therein, Mesquit Street between 6th and 7th Streets would be illuminated as required by the City's Bureau of Street Lighting. Exterior lighting would comply with requirements for building lighting at light sensitive properties established within LAMC Chapter 9, Article 3, Div. 1, Sec. 93.0117, requirements for illuminated signs within LAMC Chapter 1, Article 4.4, Sec. 14.4.4 E, lighting requirements in the CALGreen Code, as well as lighting regulations included in the proposed Specific Plan. As such, the Project lighting would be consistent with this goal.</p>
<p>Objective 9.40: Ensure sufficient and effective energy management in providing appropriate levels of lighting for private outdoor lighting for private streets, parking areas, pedestrian areas, security lighting and minimize or eliminate the adverse impact of lighting due to light pollution, light trespass, and glare.</p>	<p>No Conflict. Refer to Goal 9P, above.</p>
<p>^a While requirements for hotel uses may be included under "residential" use categories in the LAMC, for purposes of illustrating the Project's floor area as part of the proposed development program, the hotel square footage has been grouped within the "commercial" floor area.</p>	
<p>SOURCE: ESA, 2021.</p>	

TABLE LU-3

COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE HOUSING ELEMENT 2013-2021

Objective/Policy	Would the Project Conflict?
<p>Objective 1.1: Produce an adequate supply of rental and ownership housing in order to meet current and projected needs.</p>	<p>No Conflict. The Project proposes up to 308 multi-family rental units. It is anticipated that the housing units would include 73 studio apartments, 169 one-bedroom apartments, 49 two-bedroom apartments, and 17 three-bedroom apartments. The Project Site is currently developed as one- to four-story freezer, cold storage, and dry storage warehouses with associated office space, loading docks, and surface parking. Accordingly, the Project would result in a net increase of housing for the City.</p>
<p>Objective 2.2: Promote sustainable neighborhoods that have mixed-income housing, jobs, amenities, services and transit.</p>	<p>No Conflict. The Project would provide a mix of uses, including housing, hotel, and a range of commercial uses including creative office space, a 236-room hotel, an Arts District Central Market, a grocery store, restaurants, studio/event/gallery space and a potential museum, and a gym. The residential uses would include both affordable housing, pursuant to the requirements of Measure JJJ, and market-rate units. The Project's office and commercial components would bring an estimated 4,630 net new jobs to the Arts District, in contrast to the existing approximately 218 employees currently working on the Project Site. The Project's inclusion of public open space, view corridors through the Project Site, and landscaping would provide amenities to residents, hotel guests, offices workers, and visitors.</p> <p>The Project Site is located within a TPA due to its proximity to the Metro bus stop located at the southwest corner of 7th Street and S. Santa Fe Avenue which services Metro Lines 18, 60, and 62. The closest Metro light rail stations are the Metro L (Gold) Line Pico/Aliso Station, located approximately 0.7 miles from the Project Site; Little Tokyo/Arts District, located approximately 2.0 miles from the Project Site; and Union Station, located approximately 1.5 miles from the Project Site. These stations provide service between Downtown Los Angeles and Long Beach and provide connections to the 7th Street/Metro Center in Downtown and the Metro A (Blue), E (Expo), D (Purple), and B (Red) Lines and various bus lines. Metro is also conducting environmental review for the potential future Metro Arts District/6th Street Station, which</p>

**TABLE LU-3
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE HOUSING ELEMENT 2013-2021**

Objective/Policy	Would the Project Conflict?
Policy 2.2.1: Provide incentives to encourage the integration of housing with other compatible land uses.	would be provide additional transit accessibility to the Project Site.
	<p>No Conflict. The Project would integrate housing with a variety of other compatible uses to within a mixed-use development. The Project would include up to 308 multi-family housing units; up to 944,055 square feet of creative office space; a 236-room hotel; up to 136,152 square feet of commercial/retail space including an Arts District Central Market and a grocery store; restaurants; studio/event/gallery space and a potential museum; and a gym. These residential, hotel, office, and commercial uses are designed in the same transparent, modular style for visual cohesion. In addition, the on-site retail uses, several landscaped terraces, and other outdoor common spaces would provide desirable amenities to residents and visitors.</p> <p>The Project proposes more open space (up to 141,876 square feet) than is required by code (up to 31,225 square feet). The Project's 141,876 square feet of open space consists of 73,848 square feet of publicly accessible open space, as well as common and private open space and recreational amenities for use by Project residents, hotel guests, and Project employees. Publicly accessible open space features and amenities would include the Northern Landscaped Area, which would connect the Project Site with the City's proposed PARC Improvements adjacent to and beneath the Ribbon of Light Bridge; the four Entry Plazas providing east-west midblock access through the Project Site; the River Balconies and Elevated Pedestrian Walkway connecting the Entry Plazas and River Balconies; and upper-story terraced walkways and terraces.</p> <p>The proposed complementary mix of residential and commercial uses and open space/recreational amenities uses would also complement the adjacent Ribbon of Light Bridge and the City's proposed PARC Improvements associated with the Bridge.</p> <p>Under the Project with the Deck Concept, open space would increase up to 273,876 square feet, far exceeding the amount proposed under the Project and what is required by code. The 132,000 square foot Deck would be publicly accessible open space,</p>

TABLE LU-3
COMPARISON OF THE PROJECT TO APPLICABLE POLICIES OF THE HOUSING ELEMENT 2013-2021

Objective/Policy	Would the Project Conflict?
	and would provide additional space for event programming and various pedestrian-oriented amenities such as a sculpture garden, benches and seating areas, landscaping, and other visitor-serving features.

SOURCE: ESA, 2021.

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
RESIDENTIAL	
<p>Policy 1-1.1: Designate specific lands to provide for adequate multi-family residential development.</p>	<p>No Conflict. The Project is seeking a land use redesignation from Heavy Industrial to Regional Center Commercial to permit multi-family residential and hotel uses. The Project proposes up to 307,907 square feet of residential floor area for up to 308 multi-family residential housing units. It is anticipated that the housing units would include 73 studio apartments, 169 one-bedroom apartments, 49 two-bedroom apartments, and 17 three-bedroom apartments. The Project would provide much-needed affordable and market-rate housing, along with market-rate units, that range in size and bedroom count.</p>
<p>Objective 1-2: To locate new housing in a manner which reduces vehicular trips and makes it accessible to services and facilities.</p>	<p>No Conflict. The Project, which proposes up to 307,907 square feet of residential floor area for up to 308 multi-family residential housing units, is located within a TPA and HQT. The provision of residential in conjunction with commercial uses in an area well served by the existing and proposed bikeways and local and regional transit, including the potential future Metro Arts District/6th Street Station, would serve to reduce vehicular trips and would make the proposed residential uses accessible to various services and facilities.</p>
<p>Policy 1-3.2: Consider factors such as neighborhood character and identity, compatibility of land uses, impact on livability, impacts on services and public facilities, and impacts on traffic levels when changes in residential densities are proposed.</p>	<p>No Conflict. With regard to compatibility, existing uses surrounding the Project Site include warehouse, light manufacturing, and industrial uses, and well as existing creative office space; restaurants; and commercial uses; newly constructed residential and live/work spaces, commercial development; office space, recording studios, and performance spaces. The proposed uses under the Project, which include creative office space, hotel, residential uses, restaurant uses, studio/event/gallery spaces, and commercial uses, would be consistent with the uses surrounding the Project Site. In addition, as discussed in Section IV.C, <i>Energy</i>; Section IV.K.1, <i>Fire Protection</i>; Section IV.K.2, <i>Police Protection</i>; Section IV.K.3, <i>Schools</i>; Section IV.K.4, <i>Parks and</i></p>

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
	<p><i>Recreation; Section IV.K.5, Libraries; Section IV.N.1, Water Supply; Section IV.N.2, Wastewater; and the Initial Study, provided in Appendix A-2 of this Draft EIR, agencies providing public services and utilities to the Project Site would have capacity to serve the Project. As evaluated in Section IV.L, Transportation, the Project would include mitigation to reduce the Project's significant transportation impacts, such impacts would remain significant and unavoidable for regional-serving retail VMT impact. Notwithstanding the VMT impact, the Project would implement Mitigation Measure TRAF-MM-1 (TDM Program) to discourage single-occupancy vehicle trips. The TDM Program would include strategies such as unbundled parking, subsidized/discounted transit passes, and public bus stop enhancements/amenities. These Project improvements and programs would improve first/last mile access and encourage use of nearby transit, including existing bus service from Metro lines 18, 60, and 62, which have bus stops located within 0.5 mile of the Project Site, and the proposed future Metro Arts District/6th Street Station, which is currently under study.</i></p>
<p>Policy 1-4.1: Promote greater individual choice in type, quality, price, and location of housing.</p>	<p>No Conflict. The Project proposes up to 308 residential units. It is anticipated that the housing units would include 73 studio apartments, 169 one-bedroom apartments, 49 two-bedroom apartments, and 17 three-bedroom apartments. This range in unit sizes and bedroom counts would accommodate a variety of residents, including affordable multi-family units pursuant to the requirements of Measure JJJ. All residents would have the benefit of the on-site amenities provided by the Project, including on-site restaurant and retail, landscaped open space, and views. Additionally, many of the landscaped open areas, including the Elevated Pedestrian Walkway, which would provide direct access to the PARC Improvements from the 7th Street Bridge, would be open to the public, which would increase access to green space for residents nearby.</p>

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
<p>Policy 1-4.2: Ensure that new housing opportunities minimize displacement of the existing residents.</p>	<p>No Conflict. The Project does not include the removal of any existing residential uses and therefore would not result in the displacement of existing residents.</p>
<p>COMMERCIAL</p>	
<p>Goal 2: A strong and competitive commercial sector which best serves the needs of the community through maximum efficiency and accessibility while preserving the historic commercial and cultural character of the district.</p> <p>Objective 2-1: To conserve and strengthen viable commercial development in the community and to provide additional opportunities for new commercial development and services.</p>	<p>No Conflict. The Project would conserve and strengthen viable commercial development, and support a strong and competitive commercial sector, by providing 944,055 square feet of office floor area, 136,152 square feet of retail (including the Arts District Central Market), 89,577 square feet of restaurant, a 236-room hotel studio/event/gallery space and a potential museum, and a 62,148 square foot gym. As the Project Site is currently developed as a cold storage warehouse, the Project would provide the area with new office and commercial space. The creative office space offered by the Project's modular design would accommodate a range of tenants and provide customizable space that best suits the tenant's goals. The overall design approach would reinforce and complement the industrial character of the Arts District with building materials such as concrete, steel, and glass, reflecting materials prevalent in the neighborhood. In addition to providing needed office space, the Project would also provide retail, restaurant, and hotel uses that would support additional jobs. The Project's multiple uses would support a net estimated 4,630 jobs that would be available to residents of the Arts District and surrounding neighborhoods. In addition, several of the Project's amenities would be publicly accessible and would serve the surrounding community as a whole.</p>
<p>Policy 2-1.4: Require that projects be designed and developed to achieve a high level of quality, distinctive character, and compatibility with existing uses and development.</p>	<p>No Conflict. The Project would activate a visible corridor along the Los Angeles River by replacing older, industrial structures with a flexible modular space that can accommodate creative office, commercial, and residential uses. The Project would be constructed in a contemporary architectural style, to include a transparent façade,</p>

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
	<p>a sculptural profile, and a three-dimensional design that is visually appealing from all four sides. The Project's four Entry Plazas would serve as view corridors facilitating visual connections through the Project Site to the Los Angeles River. The overall design approach would complement the Project's surroundings by using materials common to the surrounding buildings. Proposed building materials would include concrete, steel, and glass, which are prevalent materials throughout the area's warehouses and industrial structures.</p> <p>Additionally, the Project would provide new landscaping and trees throughout the Project Site and increase the amount of green and open space on the Project Site. Landscaping throughout the Project would be sustainable and water-efficient, containing a plant palette featuring a mixture of California native and Mediterranean low water use plants. In addition to ground-level landscaping, the Project would include rooftop terraces with trees and landscaping. The terraces, some of which would be accessible to the public, would provide views of the Downtown skyline, the Los Angeles River, and surrounding areas. Terraced walkways and other open space amenities throughout the Project would connect the buildings. The Northern Landscaped Area of the Project would include a pedestrian connection to the PARC Improvements associated with the new Ribbon of Light Bridge. Therefore, the Project would be designed to achieve a high level of quality, distinctive character, and compatibility with existing uses and development.</p>
<p>Objective 2-2: To attract uses which strengthen the economic base and expand market opportunities for existing and new businesses.</p> <p>Policy 2-2.2: New development needs to add to and enhance the existing pedestrian street activity.</p> <p>Policy 2-2.3: Require that the first floor street frontage of structures, including mixed use projects and parking structures located</p>	<p>No Conflict. The Project would include up to 944,055 square feet of office space. The creative office space offered by the Project's modular design would accommodate a range of tenants and provide customizable space that best suits the tenant's goals. The Project would draw new businesses by providing employees expansive views, a variety of outdoor terrace spaces, and a gym. In addition to providing much needed office space, the Project would also include retail,</p>

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
<p>in pedestrian oriented districts, incorporate commercial uses.</p>	<p>restaurant, and hotel uses, which could be utilized by on-site residents and office workers as well as neighbors and visitors. The majority of Project parking would be underground, allowing Mesquit Street to be activated with commercial pedestrian-friendly amenities, and the Entry Plazas, which would be accessed from Mesquit Street to provide access to the River Balconies and elevated pedestrian walkway, with views of the Los Angeles River and Boyle Heights. The limited amount of above-grade parking proposed for the Project within Building 5 would not be visible from the 7th Street Bridge due to an intervening pedestrian ramp and architectural screening (i.e., walls and/or metal mesh). As viewed from Mesquit Street, parking within Building 5 would be screened from view via architectural screening.</p> <p>The Project's ground floor levels facing Mesquit Street would include a mix of retail and lobbies leading to the residential, hotel, studio, event, and gallery, and office uses. The ground floor spaces bordering the street would be oriented toward Mesquit Street and provide public access to the Project and its various components.</p> <p>The Project would also create a new direct pedestrian and bicycle access between the 7th Street Bridge and the Ribbon of Light Bridge and the City's proposed PARC Improvements, via the proposed activated, pedestrian-friendly Mesquit Paseo, or via the River Balconies and Elevated Pedestrian Walkway on the east side of the Project Site, the Northern Landscaped Area. As a result, the Project would enhance pedestrian street activity and would provide ground floor uses that would activate the pedestrian environment.</p> <p>Under the Project with the Deck Concept, a 132,000 square foot Deck would replace the Elevated Pedestrian Walkway and would provide an expanded connection compared to the Project between the Northern Landscaped Area to the potential future Metro Arts District/6th Street Station.</p>

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
<p>Objective 2-3: To enhance the identity of distinctive commercial districts and to identify pedestrian oriented districts.</p> <p>Policy 2-3.1: New development needs to add to and enhance the existing pedestrian activity.</p> <p>Policy 2-3.4: Require that the first floor street frontage of structures, including mixed use projects and parking structures located in pedestrian oriented areas incorporate commercial uses.</p>	<p>No Conflict. The Project would enhance the identity of the surrounding area. It would provide 308 residential units and a distinctive street front to enhance pedestrian activity.</p> <p>The Project’s ground floor levels facing Mesquit Street would include a mix of retail and lobbies leading to the residential, hotel, studio, event, and gallery, and office uses. The ground floor spaces bordering the street would be oriented toward Mesquit Street and provide public access to the Project and its various components. The Project would also be accessible through Entry Plazas, which would provide access from Mesquit Street. The Entry Plazas would allow for comfortable ingress and egress and provide views through the Project Site.</p> <p>The Project would create new direct pedestrian and bicycle access between the 7th Street Bridge and the Ribbon of Light Bridge and the City’s proposed PARC Improvements, via Mesquit Street, as well as via the River Balconies and Elevated Pedestrian Walkway on the east side of the Project Site leading to the Northern Landscaped Area.</p> <p>Under the Project with the Deck Concept, the 132,000 square foot Deck would replace the Elevated Pedestrian Walkway and would provide expanded pedestrian access across and along the east side of the Project Site. The Deck would include pedestrian amenities, such as a sculpture garden, benches and seating areas, landscaping, and other visitor-serving features.</p>
<p>Objective 2-4: To enhance the appearance of commercial districts.</p> <p>Policy 2-4.1: Require that any proposed development be designed to enhance and be compatible with adjacent development.</p> <p>Policy 2-4.2: Preserve community character, scale, and architectural diversity.</p>	<p>No Conflict. The Project would activate a visible corridor along the Los Angeles River by replacing an existing cold storage facility along the Los Angeles River with flexible modular space that can accommodate creative office, commercial, and residential uses. The Project would be constructed in a contemporary architectural style, to include a transparent façade, a sculptural profile, and a three-dimensional design that is visually appealing from all four sides. The view corridors integrated into the design would facilitate visual connections</p>

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
	<p>through the Project Site to the Los Angeles River. The overall design approach would complement and enhance the Project's surroundings. Proposed building materials would include concrete, steel, and glass, which are prevalent materials throughout the Arts District's warehouse and industrial structures. The Project would create a unique design while using materials common to the surrounding buildings.</p>
<p>Policy 2-4.3: Improve safety and aesthetics for parking areas in commercial areas.</p>	<p>No Conflict. The Project's parking garage would be predominantly subterranean and therefore screened from street-level view by ground floor retail, lobbies, and landscaping as the parking and circulation areas would be located interior to the building and would not face Mesquit Street or the 7th Street Bridge. The limited amount of above-grade parking proposed for the Project within Building 5 would not be visible from the 7th Street Bridge due to an intervening pedestrian ramp and architectural screening (i.e., walls and/or metal mesh). As viewed from Mesquit Street, parking within Building 5 would be screened from view via architectural screening. The Project's parking areas would be well lit and include appropriate security measures to maintain a safe environment for residents, hotel guests, office workers, and visitors.</p>
INDUSTRIAL	
<p>Goal 3: Sufficient land for a variety of industrial uses with maximum employment opportunities which are safe for the environment and the work force and which have minimal adverse impact on adjacent uses.</p> <p>Objective 3-1: To provide for existing and future industrial uses which contribute job opportunities for residents and which minimize environmental and visual impacts to the community.</p>	<p>No Conflict. This is an economic development policy that was not specifically adopted for the purpose of avoiding or mitigating an environmental effect. Therefore, the following is for informational purposes only.</p> <p>The Project would include a General Plan Amendment to the Community Plan to change the land use designation from Heavy Industrial to Regional Center Commercial with a corresponding zone of MSP. In addition, the Project includes a Vesting Zone Change from M3 to MSP to allow the multi-family residential and hotel, which corresponds to the Regional Center Commercial</p>

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
	<p>land use designation. Redesignation of the Project Site would complement the under-construction Ribbon of Light Bridge and enhance the proposed PARC Improvements directly contiguous to the Project Site. The Project would also introduce uses more compatible with the planned public spaces within the PARC Improvements than the existing warehouse storage uses and heavy truck traffic to and from the Project Site. Project implementation would also enhance the visual appearance of the Project Site and introduce additional open space, commercial uses, and opportunities for public programming on-site that complement the Ribbon of Light Bridge and proposed PARC Improvements. Moreover, the current uses on the Project Site employ approximately 218 employees whereas the Project would generate 4,630 net new jobs (see Section IV.J, <i>Population and Housing</i>). While industrial zoning allows for heavy industrial uses not allowed in other zones, it does not mandate them, and the proposed creative office use and commercial uses are both permitted uses in the “M” industrial zones.</p> <p>The Project would provide a complementary mix of uses; create an estimated 4,630 permanent jobs; provide support services for surrounding residents through new retail/restaurant and entertainment uses; provide open space and reestablishing connections between the Arts District, Project Site, and Los Angeles River; and promote a transit-, bicycle-, and pedestrian-friendly environment that connects to proposed PARC Improvements to the north.</p> <p>Access via Mesquit Street to other adjacent uses along Mesquit Street which are either under construction (1580 E. Jesse Street, the former site of Select Produce south of Jesse Street)³ or proposed for creative office space (640 S Santa Fe Avenue, the current site of Value Produce Storage north of Jesse Street) would be maintained and</p>

3 The City issued building permits in 2017 to add a second floor to the existing building and convert the use from warehouse/service building to creative office (Application/Permit Number 16016-10000-31077).

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
	<p>would not be affected by development of the Project.⁴</p> <p>Note that pursuant to Public Resources Code (PRC) Section 21099(d)(1) and City of Los Angeles Department of City Planning, Zoning Information (ZI) File No. 2452, the aesthetic and lighting/glare impacts of the Project are not considered significant impacts on the environment and visual impacts were not analyzed or addressed in this Draft EIR. However, it should be noted that the Project would be constructed in a contemporary architectural style, to include a transparent façade, a sculptural profile, and a three-dimensional design that is visually appealing from all four sides. The overall design approach would complement the Project’s surroundings. Proposed building materials would include concrete, steel, and glass, which are prevalent throughout the warehouse and industrial structures in the Project vicinity.</p> <p>Based on the above, the Project would be consistent with the goal to provide sufficient land for a variety of uses allowed in the industrial zone while maximizing employment opportunities in a way that is safe for the environment and work force, and would minimize adverse environmental and visual impacts on adjacent uses. This meets the intent of this goal and objective.</p>
<p>Objective 3-3: Retain industrial plan designations to maintain the industrial employment base for community residents and to increase it whenever possible</p>	<p>No Conflict. See response to Goal 3, above. Although the Project would not retain the current industrial plan designation, implementation of the Project would result in the development of a mix of uses that would result in the creation of 4,630 net new jobs, thereby increasing the employment base for community residents. Current operations on the Project Site constitute a lower jobs-generating industrial use (approximately 218 jobs, per Section IV.J, <i>Population and Housing</i>, of this Draft EIR).</p> <p>As discussed above, with the exception of the hotel, the majority of proposed jobs are allowed as a</p>

⁴ Continuum Development filed an application for Site Plan Review in October 2016 to demolish an existing cold storage structure and develop a new 107,127-square-foot office building and associated ground floor and retail uses (DIR-2016-3858-SPR).

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
	<p>permitted use under the Project Site's existing Heavy Industrial General Plan land use designation. The Project would significantly increase the number of jobs in a way that is compatible with adjacent City improvements and nearby existing and future land use. The Project would also provide services for surrounding residents through new retail/restaurant and entertainment uses. This meets the intent of this policy.</p>
OPEN SPACE	
<p>Objective 5-1: To preserve existing open space resources and where possible develop new open space.</p> <p>Policy 5-1.1: Encourage the retention of passive and visual open space which provides a balance to the urban development of the Plan Area.</p>	<p>No Conflict. The Project Site does not currently contain any publicly-accessible open space; a portion of the Project Site is vacant and unpaved, but is used for loading and storage. The Project proposes more open space (up to 141,876 square feet) than is required by code (up to 31,225 square feet), including common and private open space and recreational amenities for use by Project residents, hotel guests, and Project employees.</p> <p>The Project would integrate landscape plantings throughout the Project Site, including at-grade, on upper-story terraced walkways and decks, and on building rooftops. Of the approximately 141,876 square feet of open space proposed across the Project Site for the Project, up to approximately 40,006 square feet or 28 percent is proposed to be landscaped. This exceeds the LAMC requirement that 25 percent of the required open space be landscaped.</p> <p>Under the Project with the Deck Concept, open space would increase up to 273,876 square feet. Of the approximately 273,876 square feet of open space proposed across the Project Site, up to approximately 71,208 square feet or 26 percent is proposed to be landscaped. This would exceed the LAMC requirement that 25 percent (7,806 square feet) of the required open space (31,225 square feet) be landscaped.</p> <p>In addition to ground-level landscaping, the Project would include rooftop terraces with trees, landscaping, and relaxation spaces. The terraces,</p>

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
	<p>some of which would be accessible to the public, would provide views of the Downtown skyline, the Los Angeles River, and surrounding areas. Terraced walkways throughout the Project would connect the buildings. In addition, the Elevated Pedestrian Walkway would serve as a connection between the 7th Street Bridge and the northern edge of the Project Site at the Northern Landscaped Area, and would provide a pedestrian connection to the PARC Improvements beneath the Ribbon of Light Bridge. The northern portion of the Project would be landscaped and include a pedestrian connection to the 12-acre PARC Improvements associated with the new Ribbon of Light Bridge.</p>
NON-MOTORIZED TRANSPORTATION	
<p>Goal 13: A system of safe, efficient and attractive bicycle and pedestrian facilities.</p> <p>Objective 13-1: To promote an adequate system of bikeways for commuter, school, and recreational use.</p> <p>Policy 13-1.4: Encourage the provision of changing rooms, showers, and bicycle storage at new and existing and non-residential developments and public places.</p> <p>Objective 13-2: To promote pedestrian oriented mobility and the utilization of the bicycle for commuter, school, recreational use, economic activity, and access to transit facilities.</p>	<p>No Conflict. In the Project vicinity, 6th Street and 7th Street are identified by Mobility Plan 2035 as components of the City’s Backbone Network of bike paths and lanes. The Project would provide direct bicycle and pedestrian access between 6th and 7th Streets. In addition, the Project’s location would allow residents and visitors access to the Los Angeles River, Ribbon of Light Bridge, and 7th Street Bridge, which provide pedestrian and bicycle access between the Arts District and Boyle Heights. Once constructed, the Ribbon of Light Bridge will include two bicycle lanes and wide sidewalks to encourage multi-modal transportation. In addition, the Project would provide on-site bicycle parking to support the proposed on-site uses in accordance with the proposed Mesquit Specific Plan. The Project would provide a minimum of 288 short-term and 519 long-term bicycle parking spaces. The Project would also provide Code-required amenities, including showers and changing rooms, for use by residents and employees.</p> <p>Regarding pedestrian access and amenities, as discussed in Chapter II, <i>Project Description</i>, of this Draft EIR, the Project proposes significant public benefits related to new pedestrian improvements. Areas in the northeastern and southeastern</p>

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
<p>Goal 14: A sufficient system of well-designed and convenient on-street parking and off street parking facilities throughout the Plan area.</p> <p>Objective 14-1: To provide parking in appropriate locations in accord with Citywide standards and community needs.</p> <p>Policy 14-1.1: New parking lots and garages shall be developed in accordance with design standards.</p>	<p>portions of the proposed development would be developed with River Balconies that would provide expansive east-facing views overlooking the Los Angeles River, Ribbon of Light Bridge, and Boyle Heights. The northerly River Balcony would provide access to the northern end of the Project Site and Northern Landscaped Area and the City’s proposed PARC Improvements. The southerly River Balcony would be adjacent to the 7th Street Bridge. As previously discussed, the River Balconies would be connected by an Elevated Pedestrian Walkway that provides access between the northern and southern ends of the Project Site along its eastern edge. Accordingly, the Project Site would provide access from 7th Street, and the Arts District neighborhoods south of 7th Street, to the Ribbon of Light and proposed PARC Improvements. This would expand the potential for shared use of the PARC Improvements. Furthermore, the Project also includes the Mesquit Paseo, which would provide a pedestrian connection between Mesquit Street, the North River Balcony, and the 7th Street Bridge. Pedestrians would be able to move from the Mesquit Street level to the 7th Street Level and Deck through the Entry Plazas.</p> <p>No Conflict. There is presently little or no on-street parking on Mesquit Street or Jesse Street, due to the narrowness of the right-of-way, lack of curbs, and heavy truck activity associated with operations on the Project Site and adjacent properties. The Project would provide a minimum of 2,000 traditional vehicle parking spaces, with parking for up to 3,500 vehicles using a combination of automated parking systems, valet parking, or other efficiency parking methods. The Project proposes structured parking at, above, and below grade. Up to six levels of below-grade parking are proposed, spanning the buildings’ footprints. Accordingly, Project implementation would not remove existing off-site parking. The Project’s parking garage would be predominantly subterranean and therefore screened from street-level views, including from Mesquit Street and the 7th Street Bridge, by ground</p>

Table LU-4
Project Comparison to Provisions of the Central City North Community Plan

Plan Objectives	Would the Project conflict?
	<p>floor retail, public lobbies, and landscaping. For compliance with the City’s Commercial Citywide Design Guidelines, the limited amount of above-grade parking proposed for the Project within Building 5 would not be visible from the 7th Street Bridge due to an intervening pedestrian ramp and architectural screening (i.e., walls and/or metal mesh). As viewed from Mesquit Street, parking within Building 5 would be screened from view via architectural screening.</p> <p>The Project Site is located within a TPA due to its proximity to the Metro bus stop located at the southwest corner of 7th Street and S. Santa Fe Avenue which services Metro Lines 18, 60, and 62. The closest Metro light rail stations are the Metro L (Gold) Line Pico/Aliso Station, located approximately 0.7 miles from the Project Site; Little Tokyo/Arts District, located approximately 2.0 miles from the Project Site; and Union Station, located approximately 1.5 miles from the Project Site. These stations provide service between Downtown Los Angeles and Long Beach and provide connections to the 7th Street/Metro Center in Downtown and the Metro A (Blue), E (Expo), D (Purple), and B (Red) Lines and various bus lines. Metro is also conducting environmental review for the potential future Metro Arts District/6th Street Station, which would provide additional transit accessibility to the Project Site.</p>

SOURCE: ESA, 2021.

I-2 Lighting Study

1. Introduction

This Lighting Study by Francis Krahe & Associate Inc. (Study) analyzes lighting associated with the proposed 670 Mesquit Project (Project) located in the City of Los Angeles (City), California. The Project Site, generally located at 670 Mesquit Street, flanks Mesquit Street on the east and west between the former 6th Street Viaduct right of way on the north and the 7th Street Bridge on the south. The majority of the Project Site is on the east side of Mesquit Street; the southern portion of the Project Site also includes parcels on the west side of Mesquit Street at 7th Street. There is an existing residential use property immediately adjacent to the Project Site west property line at 688 S. Santa Fe Avenue. There are additional residential use properties further to the west, and facing the Project Site at 2121 E 7th Place to the south. The Project Site is bordered on the east by freight and passenger rail lines and rail yards (Railway Properties) owned by National Railroad Passenger Corporation (Amtrak), BNSF Railway Company (BNSF), and the Los Angeles County Metropolitan Transportation Authority (Metro). The Los Angeles River is located east of the Railway Properties with the Boyle Heights community farther to the east across the Los Angeles River. Existing on-site uses, which would be removed to support the Project, include existing freezer, cold storage, and dry storage warehouses and associated office space totaling approximately 205,393 gross square feet of floor area, as well as existing surface parking.

This Study evaluates the potential lighting effects of the Project based on applicable lighting metrics and regulations pertaining to artificial lighting, the existing lighting conditions within and surrounding the Project Site, and the Project's proposed building and site lighting (Building Lighting) and illuminated signs (Signs). This Study has been prepared to support an analysis provided in the Draft Environmental Impact Report (Draft EIR) being prepared by the City's Department of City Planning for the Project. Because the Project is an infill project located within a Transportation Priority Area (TPA), pursuant to Senate Bill (SB) 743 and City Zoning Information (ZI) File No. 2452, visual resources, including light and glare or any other aesthetic impact as defined in the L.A. CEQA Thresholds Guide, shall not be considered an impact pursuant to CEQA. Nonetheless, this Study documents that the Project would comply with certain applicable lighting regulations, mainly Los Angeles Municipal Code (LAMC) Chapter 9, Article 3, Div. 1, Sec. 93.0117 regarding building lighting, and LAMC Chapter 1, Article 4.4, Sec. 14.4.4 E regarding sign related lighting. This Study also evaluates consistency with the River Improvement Overlay District, established by City Ordinance Nos. 183144 and 183145 (RIO District Ordinance) to support implementation of the Los Angeles River Revitalization Plan, specifically, applicable design criteria for exterior site lighting included in the RIO District Ordinance.

The methods of analysis utilized for this Study are based upon the recommended practices established by the Illuminating Engineering Society of North America (IESNA) for the practice of illumination engineering design and application, and the actual measurements of light sources and illuminated surfaces. The IESNA 10th Edition Handbook is the current reference published by IESNA, which supersedes the 9th Edition IESNA Handbook and various Recommended Practice References published by IESNA prior to 2011.

2. Project Summary

RCS VE LLC (the Applicant) proposes to construct a new mixed-use development totaling up to 1,792,103 square feet of floor area (the Project) on approximately 5.45 acres of land at 670 Mesquit Street, along the southeastern edge of the Artists-in-Residence District within in the Central City North Community Plan area of the City.

The Project would have a floor area ratio (FAR) of up to 7.5:1, and would consist of the following primary components:

- Creative office space totaling up to 944,055 square feet;
- A 236-room hotel;
- 308 multi-family residential housing units;

- An Arts District Central Market (food hall), a grocery store, and general retail uses totaling up to 136,152 square feet;
- Restaurants totaling up to 89,5776 square feet;
- Studio/event/gallery space and a potential museum totaling up to 93,617 square feet; and,
- A maximum 62,148-square-foot gym.

The Project would provide a minimum of 2,000 traditional vehicle parking spaces, with parking for up to 3,500 vehicles using a combination of automated parking systems, valet parking, or other efficiency parking methods. Parking would be provided in below-grade, at-grade, and above-grade structured parking spanning the Project Site. A rooftop heliport would be located on Building 5 for emergency and occasional private use.

The Project would provide a total of approximately 141,876 square feet of open space for use by Project residents, hotel guests, employees, and visitors. Proposed open space features include at-grade landscaped areas, pedestrian passageways and walkways, balconies offering views of the Los Angeles River, and above-grade landscaped terraces and pool amenity decks. In addition, the Project may include a Deck Concept (Project with the Deck Concept) that would involve construction of a 132,000 square foot Deck that would extend over a portion of the Railway Properties) east of the Project Site.

Pursuant to Section 11.5.7 of the LAMC, the Project includes the proposed Mesquit Specific Plan (Specific Plan) to establish the land use regulations for the Project Site (including, but not limited to, standards such as densities, heights, uses, parking, signage, open space, and landscape requirements). These regulations would be in addition to those set forth in the planning and zoning provisions of the LAMC, and where they differ from what would be allowed under the LAMC, the Specific Plan would supersede and prevail.

Project implementation would require the removal of all existing improvements on the Project Site.

3. Analysis and Findings

The following analysis and findings are supported by the lighting calculations and other data provided in the appendices attached to this Study.

Project Building Lighting

This Study demonstrates that Light Trespass from Project Building Lighting at adjacent sensitive use properties would be below the 2.0 footcandles (fc) limit established within LAMC Chapter 9, Article 3, Div. 1, Sec. 93.0117, including Exception 2, where light sources are not visible from any residential use property, and or Exception 9 where the light source is greater than 2000 feet from a residential unit. Light trespass illuminance calculation data confirms the Project Building Lighting complies with LAMC at adjacent residential properties or sensitive use locations, and is presented in Appendix C, Table 1. Building Lighting would also comply with light trespass illuminance at the Project property line as per California Energy Commission (CEC) Lighting Zone 3 and the IESNA 10th Edition Lighting Handbook recommendations summarized in Table 26.4 Nighttime Outdoor Lighting Zone Definitions (Appendix A herein) and Table 26.5 Recommended Light Trespass Limits (Appendix B herein). Appendix C, Table 2 summarizes the Light Trespass illuminance calculation data at the Project Boundary, as per CEC requirements.

Project Sign Lighting

This analysis of signage related lighting provided in this Study is based on the following characteristics and standards presented in the draft Specific Plan’s signage regulations:

- Internally illuminated signs will not exceed 300 candelas/m² luminance at night from sunset until 45 minutes prior to sunrise, and 5,000 candelas/m² during daytime hours from 45 minutes after sunrise until 45 minutes prior to sunset. Sign luminance shall transition smoothly from daytime luminance to nighttime luminance and vice versa.

- Illuminated signs that have the potential to exceed 300 candelas/m² will include an electronic control mechanism to reduce sign luminance to 300 candelas/m² at any time when ambient sunlight is less than 100 fc.
- Externally illuminated signs will incorporate design elements to limit the direct view of the light source surface at all exterior light fixtures to ensure that the light source cannot be seen from adjacent residential-zoned properties.

As supported by the data included in Appendix D, Table 4 of this Study, Light Trespass from Project Signs at adjacent residential use properties would be below the 3.0 fc limit for illuminated signs as defined by the LAMC Chapter 1, Article 4.4, Sec. 14.4.4 E, except at the Project west property line.

The Project Signs facing west create light trespass illuminance greater than the 3.0 fc threshold at vertical plane 1-W3, at the property line between the Project and 688 S. Santa Fe Avenue. The maximum light trespass illuminance at vertical plane 1-W3 is 80.70 fc. The locations where the light trespass exceeds 3.0 fc occur at elevations over 175 feet above grade as noted on pages 182 and 183 in Appendix D. These locations are more than 85 feet above the roof elevation of the residential property at 688 S. Santa Fe Avenue. The maximum light trespass illuminance within the occupied portion of the vertical plane 1-W3 from grade to 90 feet above grade is 0.20 fc, which is well below the threshold of 3.0 fc. The Project Signs would not be visible to the occupants of the 688 S. Santa Fe Avenue. Therefore, although the calculated light trespass illuminance is greater than 3.0 fc at vertical plane 1-W3, the Project Sign would be 85 feet above the roof elevation of 688 S. Santa Fe Avenue and therefore would not adversely affect the residential uses within the building. Furthermore, as the 3.0 fc limit for illuminated signs as defined by the LAMC Chapter 1, Article 4.4, Sec. 14.4.4 E applies to the nearest residentially zoned property, and as 688 S. Santa Fe Avenue is zoned M3-1-RIO (Heavy Industrial), the Project would not be in conflict with this LAMC provision.

The Project with Deck Concept also includes Signs facing west with light trespass illuminance greater than the 3.0 fc threshold at vertical plane 1-W3. The maximum light trespass illuminance at vertical plane 1-W3 is 80.70 fc as identified in Appendix D, Table 4. The locations where the light trespass exceeds 3.0 fc occur at elevations greater than 175 feet above grade, and more than 85 feet above the roof elevation of the residential property at 688 S. Santa Fe Avenue. The light trespass illuminance from west facing Signs within the Project with Deck Concept would not be visible to the occupants of the 688 Santa Fe Avenue. Therefore, although the calculated light trespass illuminance is greater than 3.0 fc at vertical plane 1-W3, the Signs within the Project with Deck Concept would be 85 feet above the roof elevation of 688 S. Santa Fe Avenue and therefore would not adversely affect the residential uses within the building. Furthermore, as the 3.0 fc limit for illuminated signs as defined by the LAMC Chapter 1, Article 4.4, Sec. 14.4.4 E applies to the nearest residentially zoned property, and as 688 S. Santa Fe Avenue is zoned M3-1-RIO (Heavy Industrial), the Project with the Deck Concept would not be in conflict with this LAMC provision.

River Improvement Overlay (RIO) District Ordinance

Light Trespass at Project Boundary

As supported by the data included in this Study, lighting would exceed the more stringent standards that apply to the RIO District pursuant to RIO District Ordinance exterior site lighting requirements at the Project boundary and 15 feet beyond the boundary. The RIO District Ordinance limits light trespass illuminance at the Project boundary to 0.20 fc. As further detailed in Appendix C Table 2, the Project maximum calculated illuminance at the vertical planes studied varies from a minimum of 0.00 fc to a maximum of 0.66 fc. Accordingly, the Project's calculated light trespass illuminance would exceed the 0.20 fc maximum at the Project boundary and therefore, Building Lighting would be inconsistent with the RIO District Ordinance at the Project boundary.

The Project with the Deck Concept maximum calculated illuminance at the vertical planes studied varies from a minimum of 0.00 fc to a maximum of 0.48 fc. Accordingly, Project calculated light trespass illuminance would exceed the 0.20 fc maximum, and therefore, the Project with the Deck Concept would also exceed the 0.20 fc maximum and would be inconsistent with RIO District Ordinance at the Project boundary.

Light Trespass at 15 feet Beyond Project Boundary

The RIO District Ordinance requirements for light trespass illuminance at 15 feet beyond the Project boundary is 0.01 fc. The Project maximum calculated illuminance at the vertical planes studied varies from a minimum of 0.00 fc to a maximum of 0.36 fc as presented in Appendix C Table 3. Accordingly, the Project calculated light trespass illuminance would exceed the 0.01 fc maximum defined by the RIO 15 feet beyond property line. Therefore, Building Lighting would not comply with the RIO District Ordinance requirement at 15 feet beyond the Project boundary.

The Project with the Deck Concept calculated illuminance at the vertical planes evaluated varies from a minimum of 0.00 fc to a maximum of 0.48 fc. The Project calculated light trespass illuminance would therefore exceed the 0.01 fc maximum defined by the RIO 15 feet beyond property line. Therefore, the Project with the Deck Concept would not comply with the RIO District Ordinance requirement at 15 feet beyond the Project boundary.

Findings under the California Environmental Quality Act (CEQA)

Although the Project would exceed the above RIO District Ordinance requirements, which would represent a conflict with the RIO District Ordinance, the environmental effect of the lighting levels would not represent a significant impact on the environment. Foremost, as previously stated, pursuant to PRC Section 21099(d)(1) and the City’s ZI File No. 2452, the aesthetic and lighting/glare impacts of the Project are not considered significant impacts on the environment. Furthermore, the areas where Project lighting would exceed the RIO standards include streets, rail yards, electrical switching stations, and industrial use properties and do not include natural habitat or residential uses. As such, pursuant to the 2006 L.A. CEQA Thresholds Guide, no light sensitive receptors would be affected. In addition, the Project includes a proposed Specific Plan and Sign District to establish the land use regulations for the Project Site to ensure consistent implementation of development standards throughout the Project Site in recognition of the Project Site’s unique characteristics, including unique opportunities for public benefits and unique constraints posed by the Project Site’s location which are not experienced by other sites. With approval of the Specific Plan, which would include its own lighting standards, there would not be a conflict with the RIO District Ordinance lighting provisions.

Accordingly, while the Project would conflict in part with the RIO District Ordinance lighting standard, the conflict would not represent a significant physical impact on the environment under CEQA. Therefore, impacts with respect to consistency with the RIO District would be less than significant.

APPENDIX A: IESNA 10th Edition Lighting Handbook, Table 26.4, Nighttime Outdoor Lighting Zone Definitions	5
APPENDIX B: IESNA 10th Edition Lighting Handbook, Table 26.5, Recommended Light Trespass Illuminance Limits	5
APPENDIX C: Building Lighting Illuminance Calculation (fc)	6
APPENDIX D: Sign Lighting Illuminance Calculation (fc).....	141
APPENDIX E: Existing Lighting Conditions.....	209
APPENDIX F: Project Alternatives Lighting Analysis	212

APPENDIX A: IESNA 10th Edition Lighting Handbook, Table 26.4, Nighttime Outdoor Lighting Zone Definitions

Table 26.4 | Nighttime Outdoor Lighting Zone Definitions

Zone	Outdoor Lighting Situation	Definition
LZ4	High Ambient Lighting	Areas of human activity where the vision of human residents and users is adapted to high light levels. Lighting is generally considered necessary for safety, security and/or convenience and it is mostly uniform and/or continuous. After curfew, lighting may be extinguished or reduced in some areas as activity levels decline.
LZ3	Moderately High Ambient Lighting	Areas of human activity where the vision of human residents and users is adapted to moderately high light levels. Lighting is generally desired for safety, security and/or convenience and it is often uniform and/or continuous. After curfew, lighting may be extinguished or reduced in most areas as activity levels decline.
LZ2	Moderate Ambient Lighting	Areas of human activity where the vision of human residents and users is adapted to moderate light levels. Lighting may typically be used for safety and convenience but it is not necessarily uniform or continuous. After curfew, lighting may be extinguished or reduced as activity levels decline.
LZ1	Low Ambient Lighting	Areas where lighting might adversely affect flora and fauna or disturb the character of the area. The vision of human residents and users is adapted to low light levels. Lighting may be used for safety and convenience but it is not necessarily uniform or continuous. After curfew, most lighting should be extinguished or reduced as activity levels decline.
LZ0	No Ambient Lighting	Areas where the natural environment will be seriously and adversely affected by lighting. Impacts include disturbing the biological cycles of flora and fauna and/or detracting from human enjoyment and appreciation of the natural environment. Human activity is subordinate in importance to nature. The vision of human residents and users is adapted to the darkness, and they expect to see little or no lighting. When not needed, lighting should be extinguished.

APPENDIX B: IESNA 10th Edition Lighting Handbook, Table 26.5, Recommended Light Trespass Illuminance Limits

Table 26.5 | Recommended Light Trespass Illuminance Limits

Lighting Zone	Limit in lux ^a	
	Pre-curfew	Post-curfew
LZ4	15	6
LZ3	8	3
LZ2	3	1
LZ1	1	0
LZ0	0.1	0

- a. Maximum initial illuminance on a plane perpendicular to the line of sight to the luminaire(s). Plane located at observer position where light trespass is under review. [7]

APPENDIX C: Building Lighting Illuminance Calculation (fc)

Building Lighting illuminance data presented below is derived from the lighting illuminance calculations prepared as per the methods defined by IESNA. Illuminance data is presented in the following tables with location coordinates defined relative to the elevation and horizontal distance from lower left, viewing from the Property to the vertical plane where Light Trespass illuminance is under review. Grid data is displayed at ten feet on center, vertical and horizontal.

Table 1: Building Light Trespass Illuminance (fc) LAMC

Vertical Plane	Project or Project with Deck Alternative	Illuminance (fc)			Analysis (2.0 fc threshold)
		Max	Min	Avg	
1-N1	Both	0.00	0.00	0.00	Less than threshold
1-E1	Project	0.10	0.00	0.05	Less than threshold
1-E1	Project with Deck Alternative	0.20	0.00	0.08	Less than threshold
1-S1	Both	0.10	0.00	0.03	Less than threshold
1-S2	Project	0.30	0.00	0.12	Less than threshold
1-S2	Project with Deck Alternative	0.30	0.00	0.13	Less than threshold
1-W1	Both	0.00	0.00	0.00	Less than threshold
1-W2	Both	0.10	0.00	0.06	Less than threshold
1-W3	Both	0.70	0.00	0.14	Less than threshold

Vertical planes are located at adjacent residential properties or sensitive use properties, such as recreational areas, as illustrated on Figure 1 below.



Figure 1: Vertical calculation planes - LAMC

VP 1-N1
 HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75	85
395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
385	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
375	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
345	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
265	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
245	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
235	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
215	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 1-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1325	1335	1345	1355	1365	1375	1385	1395	1405	1415	1425	1435
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00
225	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00
215	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00
195	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00
185	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00
175	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00
165	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00
155	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.00	0.00	0.00	0.00	0.00
145	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.10	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	755	765	775	785	795	805	815	825	835	845	855	865	875	885	895
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.20	0.10
345	0.20	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
325	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.10	0.20	0.20	0.20
285	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20
265	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.10	0.20	0.10	0.20	0.20	0.20	0.20
255	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.20
225	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20
215	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20
195	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20
185	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20
175	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20
165	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
155	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
145	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
135	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
125	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
115	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
105	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
95	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
85	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
75	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
55	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
45	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	1195	1205	1215	1225	1235	1245	1255	1265	1275	1285	1295	1305	1315
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
185	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
175	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
165	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
135	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
125	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
115	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
105	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
95	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
85	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
75	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
55	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
45	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
35	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 1-S1
HORIZONTAL
(ft)

VERTICAL (ft)

	125	135	145	155	165	175
395	0.00	0.00	0.00	0.00	0.00	0.00
385	0.00	0.00	0.00	0.00	0.00	0.00
375	0.00	0.00	0.00	0.00	0.00	0.00
365	0.00	0.00	0.00	0.00	0.00	0.00
355	0.00	0.00	0.00	0.00	0.00	0.00
345	0.00	0.00	0.00	0.00	0.00	0.00
335	0.00	0.00	0.00	0.00	0.00	0.00
325	0.00	0.00	0.00	0.00	0.00	0.00
315	0.00	0.00	0.00	0.00	0.00	0.00
305	0.00	0.00	0.00	0.00	0.00	0.00
295	0.00	0.00	0.00	0.00	0.00	0.00
285	0.00	0.00	0.00	0.00	0.00	0.00
275	0.00	0.00	0.00	0.00	0.00	0.00
265	0.00	0.00	0.00	0.00	0.00	0.00
255	0.00	0.00	0.00	0.00	0.00	0.00
245	0.00	0.00	0.00	0.00	0.00	0.00
235	0.00	0.00	0.00	0.00	0.00	0.00
225	0.00	0.00	0.00	0.00	0.00	0.00
215	0.00	0.00	0.00	0.00	0.00	0.00
205	0.00	0.00	0.00	0.00	0.00	0.00
195	0.00	0.00	0.00	0.00	0.00	0.00
185	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00

VP 1-S2 Project with Deck Concept
HORIZONTAL (ft)

VERTICAL (ft)

	265	275	285	295	305	315	325	335	345	355	365	375
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
215	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
185	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
175	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
165	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
155	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
145	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
135	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
125	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
115	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
105	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
95	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
85	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
75	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
55	0.20	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
45	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
35	0.20	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
25	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
15	0.20	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
5	0.20	0.20	0.20	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10	0.10

VP 1-W1

HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75
395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
385	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
375	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
345	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
265	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
245	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
235	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
215	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 1-W2

HORIZONTAL (ft)

VERTICAL (ft)

	555	565	575	585
395	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10
215	0.10	0.10	0.10	0.10
205	0.10	0.10	0.10	0.10
195	0.10	0.10	0.10	0.10
185	0.10	0.10	0.10	0.10
175	0.10	0.10	0.10	0.10
165	0.10	0.10	0.10	0.10
155	0.00	0.00	0.10	0.10
145	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00

VP 1-W3

HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75	85	95	105
395	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
385	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
375	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20
345	0.10	0.10	0.10	0.20	0.10	0.30	0.30	0.30	0.30	0.30	0.40
335	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20
305	0.10	0.10	0.10	0.20	0.10	0.30	0.30	0.30	0.30	0.30	0.30
295	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.10
265	0.10	0.10	0.20	0.20	0.10	0.30	0.30	0.30	0.30	0.30	0.30
255	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.30
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.10	0.10
225	0.10	0.10	0.20	0.20	0.10	0.30	0.30	0.30	0.20	0.30	0.20
215	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.30	0.20	0.30	0.40
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.10	0.10	0.20	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10
185	0.10	0.10	0.20	0.20	0.10	0.20	0.30	0.20	0.20	0.20	0.20
175	0.10	0.10	0.10	0.20	0.10	0.30	0.30	0.30	0.30	0.30	0.40
165	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10
155	0.10	0.10	0.10	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10
145	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20
135	0.10	0.10	0.20	0.20	0.10	0.30	0.30	0.30	0.30	0.30	0.40
125	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10
115	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
105	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20
95	0.10	0.10	0.10	0.20	0.10	0.30	0.30	0.30	0.30	0.30	0.30
85	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10
75	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.10
55	0.10	0.10	0.10	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30
45	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.30
35	0.10	0.10	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.10	0.10
25	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
15	0.10	0.10	0.20	0.20	0.10	0.10	0.20	0.20	0.20	0.20	0.20
5	0.10	0.10	0.10	0.00	0.10	0.20	0.20	0.20	0.20	0.20	0.30

VP 1-W3

HORIZONTAL (ft)

VERTICAL (ft)

	115	125	135	145	155	165	175	185
395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
385	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10
375	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10
365	0.10	0.10	0.10	0.10	0.00	0.00	0.10	0.10
355	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
345	0.40	0.40	0.30	0.40	0.40	0.40	0.20	0.10
335	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10
325	0.10	0.10	0.10	0.10	0.00	0.00	0.10	0.10
315	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.10
295	0.10	0.10	0.10	0.20	0.40	0.60	0.10	0.10
285	0.10	0.10	0.00	0.00	0.00	0.00	0.10	0.10
275	0.10	0.10	0.10	0.00	0.00	0.00	0.10	0.10
265	0.30	0.20	0.10	0.00	0.00	0.00	0.10	0.10
255	0.30	0.30	0.10	0.00	0.00	0.00	0.10	0.10
245	0.10	0.10	0.10	0.00	0.00	0.00	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.20
215	0.40	0.40	0.40	0.60	0.70	0.70	0.20	0.10
205	0.10	0.10	0.00	0.00	0.00	0.00	0.10	0.10
195	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10
185	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
175	0.40	0.40	0.40	0.50	0.60	0.50	0.20	0.10
165	0.10	0.00	0.00	0.00	0.00	0.00	0.10	0.10
155	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10
145	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
135	0.40	0.40	0.30	0.40	0.40	0.40	0.20	0.10
125	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10
115	0.10	0.10	0.10	0.10	0.00	0.00	0.10	0.10
105	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
95	0.40	0.30	0.30	0.30	0.30	0.30	0.10	0.10
85	0.10	0.10	0.10	0.20	0.40	0.60	0.10	0.10
75	0.10	0.10	0.00	0.00	0.00	0.00	0.10	0.10
65	0.10	0.10	0.10	0.00	0.00	0.00	0.10	0.10
55	0.30	0.30	0.10	0.10	0.10	0.10	0.10	0.10
45	0.30	0.40	0.10	0.10	0.10	0.10	0.10	0.10
35	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.10
25	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10
15	0.30	0.30	0.10	0.30	0.40	0.40	0.10	0.10
5	0.30	0.30	0.20	0.40	0.30	0.40	0.10	0.10

Table 2: Building Light Trespass Illuminance (fc) at Project Boundary, CEC and RIO Boundary

Vertical Plane	Project or Project with Deck Concept	Illuminance (fc)			CEC Analysis (0.74 fc Threshold)	RIO Boundary Analysis (0.20 fc Threshold)
		Max	Min	Avg		
2-N1	Both	0.00	0.00	0.00	Less than threshold	Less than threshold
2-N2	Both	0.50	0.00	0.15	Less than threshold	Greater than threshold
2-N3	Both	0.20	0.00	0.12	Less than threshold	Less than threshold
2-E1	Project	0.70	0.00	0.08	Less than threshold	Greater than threshold
2-E1	Project with Deck Concept	0.60	0.00	0.15	Less than threshold	Greater than threshold
2-S1	Project	0.50	0.00	0.16	Less than threshold	Greater than threshold
2-S1	Project with Deck Concept	0.50	0.00	0.16	Less than threshold	Greater than threshold
2-S2	Both	0.10	0.00	0.00	Less than threshold	Less than threshold
2-W1	Both	0.30	0.00	0.18	Less than threshold	Greater than threshold
2-W2	Both	0.70	0.00	0.15	Less than threshold	Greater than threshold
2-W3	Both	0.00	0.00	0.00	Less than threshold	Less than threshold
2-W4	Both	0.10	0.00	0.00	Less than threshold	Less than threshold



Figure 2: Vertical calculation planes, Project - CEC and RIO Boundary



Figure 3: Vertical calculation planes, Project with Deck Concept - CEC and RIO Boundary

VP 2-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	455	465	475	485	495	505	515	525	535	545	555	565	575	585	595
395	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10
375	0.20	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10
365	0.20	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10
355	0.20	0.10	0.10	0.10	0.10	0.20	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.20
345	0.20	0.10	0.10	0.10	0.20	0.30	0.00	0.00	0.00	0.00	0.10	0.10	0.20	0.20	0.20
335	0.20	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
325	0.20	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315	0.20	0.10	0.10	0.10	0.10	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305	0.20	0.10	0.10	0.10	0.20	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
295	0.20	0.10	0.10	0.10	0.10	0.20	0.00	0.10	0.20	0.10	0.10	0.10	0.20	0.20	0.10
285	0.20	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275	0.20	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
265	0.20	0.10	0.10	0.10	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255	0.10	0.10	0.10	0.10	0.10	0.40	0.00	0.10	0.10	0.00	0.10	0.00	0.10	0.10	0.10
245	0.20	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
235	0.20	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225	0.20	0.10	0.10	0.10	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
215	0.10	0.10	0.10	0.10	0.10	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195	0.20	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185	0.20	0.10	0.10	0.10	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.10	0.10	0.10	0.10	0.10	0.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.10	0.10	0.10	0.10	0.10	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.10	0.00	0.10	0.10	0.10	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.10	0.00	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.10	0.00	0.10	0.10	0.10	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.10	0.00	0.10	0.10	0.10	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.10	0.00	0.00	0.10	0.10	0.20	0.00	0.10	0.20	0.10	0.10	0.20	0.20	0.20	0.10
75	0.10	0.00	0.00	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
65	0.10	0.00	0.00	0.10	0.10	0.10	0.00	0.10	0.00	0.00	0.00	0.10	0.00	0.00	0.00
55	0.10	0.00	0.00	0.10	0.10	0.20	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.10
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 2-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	605	615	625	635	645	655	665	675	685	695	705	715	725	735	745
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.10	0.10	0.10	0.10
355	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
345	0.20	0.20	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.20	0.20	0.20	0.20	0.20	0.10
335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.20	0.10
325	0.00	0.00	0.00	0.10	0.10	0.20	0.30	0.30	0.30	0.00	0.20	0.20	0.20	0.20	0.20
315	0.00	0.00	0.00	0.10	0.10	0.20	0.30	0.30	0.30	0.00	0.30	0.20	0.20	0.20	0.20
305	0.00	0.00	0.00	0.10	0.20	0.10	0.30	0.20	0.30	0.00	0.30	0.20	0.20	0.20	0.20
295	0.10	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.00	0.20	0.20	0.20	0.20	0.20
285	0.00	0.00	0.00	0.00	0.10	0.20	0.20	0.20	0.20	0.00	0.10	0.00	0.00	0.00	0.00
275	0.00	0.00	0.00	0.10	0.10	0.20	0.30	0.30	0.30	0.00	0.10	0.10	0.00	0.00	0.00
265	0.00	0.00	0.00	0.00	0.20	0.10	0.20	0.20	0.20	0.00	0.20	0.10	0.00	0.00	0.00
255	0.00	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.00	0.10	0.10	0.10	0.00	0.00
245	0.00	0.00	0.00	0.10	0.10	0.20	0.20	0.20	0.20	0.00	0.10	0.10	0.00	0.00	0.00
235	0.00	0.00	0.00	0.00	0.10	0.20	0.20	0.20	0.20	0.00	0.10	0.00	0.00	0.00	0.00
225	0.00	0.00	0.00	0.00	0.10	0.10	0.20	0.20	0.30	0.00	0.20	0.00	0.00	0.00	0.00
215	0.00	0.00	0.00	0.10	0.20	0.10	0.20	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00
205	0.00	0.00	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.00	0.10	0.10	0.10	0.00	0.00
195	0.00	0.00	0.00	0.00	0.10	0.20	0.20	0.20	0.20	0.00	0.10	0.10	0.00	0.00	0.00
185	0.00	0.00	0.00	0.00	0.10	0.10	0.30	0.20	0.30	0.00	0.20	0.10	0.00	0.00	0.00
175	0.00	0.00	0.00	0.10	0.20	0.10	0.20	0.20	0.20	0.00	0.20	0.10	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.10	0.20	0.20	0.20	0.20	0.00	0.10	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.10	0.20	0.30	0.30	0.30	0.00	0.10	0.10	0.10	0.00	0.00
135	0.00	0.00	0.00	0.10	0.20	0.10	0.20	0.20	0.20	0.00	0.20	0.10	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.10	0.10	0.20	0.30	0.30	0.30	0.00	0.10	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.10	0.30	0.30	0.30	0.30	0.00	0.10	0.10	0.00	0.00	0.00
95	0.00	0.00	0.00	0.10	0.20	0.20	0.30	0.20	0.30	0.00	0.20	0.10	0.00	0.00	0.00
85	0.10	0.10	0.10	0.20	0.10	0.10	0.20	0.20	0.10	0.00	0.10	0.20	0.10	0.10	0.10
75	0.00	0.00	0.00	0.10	0.20	0.40	0.30	0.30	0.30	0.00	0.20	0.10	0.00	0.00	0.00
65	0.00	0.00	0.00	0.10	0.20	0.40	0.40	0.40	0.40	0.00	0.20	0.10	0.00	0.00	0.10
55	0.00	0.00	0.00	0.10	0.20	0.40	0.50	0.50	0.50	0.00	0.20	0.10	0.00	0.00	0.00
45	0.00	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.00	0.20	0.10	0.10	0.10	0.10
35	0.00	0.10	0.10	0.10	0.20	0.50	0.70	0.70	0.70	0.00	0.20	0.10	0.10	0.00	0.00
25	0.00	0.00	0.00	0.10	0.10	0.50	0.70	0.70	0.70	0.00	0.10	0.10	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 2-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	905	915	925	935	945	955	965	975	985	995	1005	1015	1025	1035	1045
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
265	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
255	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
245	0.00	0.10	0.20	0.30	0.30	0.30	0.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.00	0.10	0.20	0.30	0.30	0.30	0.00	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.00	0.20	0.10	0.30	0.30	0.30	0.00	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.00	0.00	0.10	0.10	0.20	0.20	0.00	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.30
205	0.10	0.10	0.20	0.30	0.30	0.20	0.00	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.00
195	0.10	0.10	0.20	0.20	0.20	0.20	0.00	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00
185	0.10	0.20	0.10	0.30	0.20	0.30	0.00	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00
175	0.10	0.20	0.10	0.20	0.20	0.20	0.00	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.10	0.10	0.20	0.20	0.20	0.20	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.10	0.20	0.20	0.30	0.30	0.30	0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00
135	0.10	0.20	0.10	0.20	0.20	0.20	0.00	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.10	0.10	0.20	0.30	0.30	0.30	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.10	0.20	0.30	0.30	0.30	0.30	0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00
95	0.10	0.20	0.20	0.30	0.30	0.30	0.00	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00
85	0.10	0.10	0.10	0.20	0.20	0.20	0.00	0.10	0.20	0.10	0.10	0.10	0.20	0.10	0.10
75	0.10	0.10	0.30	0.30	0.40	0.30	0.00	0.20	0.10	0.10	0.00	0.00	0.00	0.00	0.00
65	0.10	0.20	0.40	0.40	0.40	0.40	0.00	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00
55	0.10	0.20	0.40	0.50	0.50	0.50	0.00	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00
45	0.10	0.20	0.30	0.30	0.30	0.30	0.00	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
35	0.20	0.30	0.60	0.70	0.70	0.70	0.00	0.30	0.20	0.10	0.10	0.00	0.00	0.00	0.00
25	0.10	0.20	0.50	0.70	0.70	0.70	0.00	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 2-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1055	1065	1075	1085	1095	1105	1115	1125	1135	1145	1155	1165	1175	1185
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
215	0.30	0.30	0.40	0.40	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
195	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20
185	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.30	0.30
175	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.30	0.30
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20
85	0.00	0.10	0.20	0.10	0.10	0.10	0.20	0.10	0.10	0.00	0.10	0.20	0.10	0.10
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.30
45	0.00	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.20
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.20	0.20
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 2-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1195	1205	1215	1225	1235	1245	1255	1265	1275	1285	1295	1305	1315
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
215	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10
205	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.10	0.10	0.00	0.10	0.10	0.10
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
185	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.10	0.10
175	0.40	0.40	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.10
165	0.00	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.10	0.10	0.20	0.20	0.20
155	0.20	0.30	0.30	0.30	0.00	0.20	0.20	0.20	0.10	0.10	0.20	0.20	0.20
145	0.20	0.30	0.30	0.30	0.00	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.20
135	0.20	0.30	0.20	0.30	0.00	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.20	0.20
115	0.20	0.30	0.30	0.30	0.00	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10
105	0.30	0.30	0.30	0.30	0.00	0.20	0.10	0.10	0.00	0.20	0.20	0.20	0.20
95	0.20	0.30	0.30	0.30	0.00	0.20	0.10	0.00	0.00	0.20	0.30	0.30	0.30
85	0.10	0.20	0.20	0.20	0.00	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10
75	0.30	0.30	0.30	0.30	0.00	0.20	0.10	0.10	0.00	0.10	0.10	0.10	0.10
65	0.30	0.40	0.30	0.30	0.00	0.20	0.10	0.10	0.00	0.10	0.20	0.20	0.20
55	0.30	0.40	0.40	0.40	0.00	0.20	0.10	0.10	0.00	0.20	0.30	0.30	0.30
45	0.30	0.40	0.40	0.30	0.00	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30
35	0.50	0.50	0.60	0.70	0.00	0.60	0.60	0.70	0.70	0.20	0.40	0.50	0.60
25	0.50	0.50	0.50	0.70	0.00	0.60	0.60	0.70	0.70	0.20	0.30	0.50	0.50
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.20	0.20
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10

VP 2-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1325	1335	1345	1355	1365	1375	1385	1395	1405	1415	1425
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
215	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
185	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
175	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
165	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
155	0.20	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
145	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
135	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.10	0.10	0.10	0.10
125	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
115	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
105	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20
85	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.30	0.30	0.40	0.40
75	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.30	0.30	0.30	0.30
65	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.40	0.40	0.40
55	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40
45	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20
35	0.50	0.40	0.50	0.60	0.60	0.50	0.40	0.40	0.30	0.30	0.20
25	0.50	0.40	0.50	0.50	0.60	0.60	0.30	0.30	0.30	0.20	0.20
15	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
5	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00

VP 2-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1435	1445	1455	1465	1475	1485	1495
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.00
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10	0.10	0.10	0.10
215	0.10	0.10	0.10	0.10	0.10	0.10	0.10
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.10	0.10	0.10	0.10	0.10	0.10	0.10
185	0.10	0.10	0.10	0.10	0.10	0.10	0.10
175	0.10	0.10	0.10	0.10	0.10	0.10	0.10
165	0.10	0.10	0.10	0.10	0.10	0.10	0.10
155	0.10	0.10	0.10	0.10	0.10	0.10	0.10
145	0.10	0.10	0.10	0.10	0.10	0.10	0.10
135	0.10	0.10	0.10	0.10	0.10	0.10	0.10
125	0.10	0.10	0.10	0.10	0.10	0.10	0.10
115	0.10	0.10	0.10	0.10	0.10	0.10	0.10
105	0.20	0.10	0.10	0.10	0.10	0.10	0.10
95	0.20	0.20	0.10	0.10	0.10	0.10	0.10
85	0.30	0.20	0.10	0.10	0.10	0.10	0.10
75	0.30	0.20	0.20	0.10	0.10	0.10	0.10
65	0.40	0.30	0.20	0.10	0.10	0.10	0.10
55	0.40	0.30	0.20	0.10	0.10	0.10	0.10
45	0.20	0.10	0.10	0.10	0.10	0.10	0.10
35	0.20	0.20	0.10	0.10	0.10	0.10	0.10
25	0.20	0.10	0.10	0.10	0.10	0.00	0.00
15	0.10	0.10	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.10	0.10	0.10	0.10

VP 2-E1 Project with Deck Concept

HORIZONTAL (ft)	605	615	625	635	645	655	665	675	685	695	705	715	725	735	745
395	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
375	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
365	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
355	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
345	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
335	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
325	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.30	0.30	0.30	0.30	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
155	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.10
115	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
105	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
95	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
85	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
75	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
65	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
55	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
45	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
35	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
25	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 2-E1 Project with Deck Concept

HORIZONTAL (ft)	755	765	775	785	795	805	815	825	835	845	855	865	875	885	895
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
365	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
355	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
345	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
335	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
325	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
185	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
175	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20
155	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
145	0.20	0.20	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20
135	0.10	0.20	0.20	0.10	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
125	0.10	0.10	0.20	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
115	0.20	0.20	0.10	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
105	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
95	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
85	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.20	0.20	0.20	0.20	0.20
75	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.20	0.20	0.20	0.20	0.20
65	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20
55	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.30	0.30
45	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.30	0.30	0.30	0.30
35	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.30	0.30	0.40	0.40	0.40
25	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.40	0.40	0.40	0.40	0.40	0.40
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 2-E1 Project with Deck Concept

HORIZONTAL (ft)	1195	1205	1215	1225	1235	1245	1255	1265	1275	1285	1295	1305	1315
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.20	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.30	0.30	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20
165	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
155	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20
145	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20
135	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.30	0.30	0.30	0.30
125	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
115	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
105	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
95	0.30	0.30	0.30	0.30	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
85	0.30	0.40	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30
75	0.30	0.40	0.40	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
65	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
55	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.40	0.40	0.40
45	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
35	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
25	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 2-E1 Project with Deck Concept

HORIZONTAL (ft)	1325	1335	1345	1355	1365	1375	1385	1395	1405	1415	1425	1435
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
215	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
205	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
185	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
175	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
165	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
115	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
105	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20
95	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20
85	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20
75	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.30
65	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30
55	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30
45	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
35	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
25	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 2-E1 Project with Deck Concept

HORIZONTAL (ft)	1445	1455	1465	1475	1485	1495	1505
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10	0.10	0.10	0.10
215	0.10	0.10	0.10	0.10	0.10	0.10	0.10
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.10	0.10	0.10	0.10	0.10	0.10	0.10
185	0.10	0.10	0.10	0.10	0.10	0.10	0.10
175	0.10	0.10	0.10	0.10	0.10	0.10	0.10
165	0.10	0.10	0.10	0.10	0.10	0.10	0.10
155	0.10	0.10	0.10	0.10	0.10	0.10	0.10
145	0.10	0.10	0.10	0.10	0.10	0.10	0.10
135	0.20	0.10	0.10	0.10	0.10	0.10	0.10
125	0.20	0.20	0.10	0.10	0.10	0.10	0.10
115	0.20	0.20	0.10	0.10	0.10	0.10	0.10
105	0.20	0.20	0.20	0.10	0.10	0.10	0.10
95	0.20	0.20	0.20	0.10	0.10	0.10	0.10
85	0.20	0.20	0.20	0.10	0.10	0.10	0.10
75	0.20	0.20	0.20	0.10	0.10	0.10	0.10
65	0.30	0.20	0.20	0.20	0.10	0.10	0.10
55	0.30	0.30	0.20	0.20	0.10	0.10	0.10
45	0.40	0.30	0.20	0.20	0.10	0.10	0.10
35	0.40	0.40	0.20	0.10	0.10	0.10	0.00
25	0.50	0.60	0.50	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 2-S1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	155	165	175	185	195	205	215	225	235	245	255	265	275
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
115	0.30	0.30	0.30	0.30	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
105	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
85	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20
75	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.30	0.20	0.20	0.20	0.20	0.20
65	0.30	0.30	0.30	0.30	0.30	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.20
55	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20
45	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20
35	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20
25	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30
15	0.50	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.40	0.40	0.30	0.30
5	0.60	0.60	0.70	0.50	0.50	0.40	0.50	0.60	0.60	0.60	0.60	0.50	0.50

VP 2-S1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	285	295	305	315	325	335	345	355	365	375
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.20	0.20	0.10	0.10	0.10	0.10	0.10
355	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
315	0.10	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.20	0.20	0.20	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.20	0.10	0.10	0.20	0.20	0.10	0.10	0.10	0.10
275	0.10	0.20	0.10	0.20	0.20	0.20	0.10	0.10	0.10	0.10
265	0.10	0.10	0.20	0.10	0.10	0.20	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
215	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
185	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
175	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
165	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
155	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
135	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
125	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
115	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
105	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
95	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
85	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
75	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
55	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
45	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
35	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
25	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.10	0.10	0.10
15	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.10
5	0.40	0.20	0.00	0.00	0.20	0.20	0.10	0.10	0.10	0.10

VP 2-S1 Project with Deck Concept

HORIZONTAL (ft)	305	315	325	335	345	355	365	375	385	395	405	415	425
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.10
355	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.10	0.10	0.20
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20
295	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.10	0.10	0.20	0.20
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.10	0.20
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.20	0.10	0.10
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
115	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
105	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
85	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
75	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
65	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
55	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
45	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
35	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
25	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20
15	0.30	0.30	0.30	0.40	0.30	0.30	0.30	0.20	0.20	0.30	0.30	0.20	0.20
5	0.50	0.60	0.60	0.60	0.60	0.50	0.50	0.40	0.20	0.00	0.00	0.20	0.20

VERTICAL (ft)

VP 2-S1 Project with Deck Concept

HORIZONTAL (ft)	435	445	455	465
395	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10
215	0.10	0.10	0.10	0.10
205	0.10	0.10	0.10	0.10
195	0.10	0.10	0.10	0.10
185	0.10	0.10	0.10	0.10
175	0.10	0.10	0.10	0.10
165	0.10	0.10	0.10	0.10
155	0.10	0.10	0.10	0.10
145	0.20	0.10	0.10	0.10
135	0.10	0.10	0.10	0.10
125	0.10	0.10	0.10	0.10
115	0.10	0.10	0.10	0.10
105	0.10	0.10	0.10	0.10
95	0.10	0.10	0.10	0.10
85	0.10	0.10	0.10	0.10
75	0.10	0.10	0.10	0.10
65	0.10	0.10	0.10	0.10
55	0.10	0.10	0.10	0.10
45	0.10	0.10	0.10	0.10
35	0.10	0.10	0.10	0.10
25	0.20	0.10	0.10	0.10
15	0.20	0.20	0.10	0.10
5	0.10	0.10	0.10	0.10

VERTICAL (ft)

VP 2-S2
 HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75	85
395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
385	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
375	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
345	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
265	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
245	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
235	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
215	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00
5	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00

VP 2-W1

HORIZONTAL (ft)

VERTICAL (ft)

	525	535	545	555	565	575	585	595	605	615	625	635	645
395	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
375	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
365	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
355	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
345	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
325	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.10	0.10	0.10
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.10	0.10	0.10
245	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.10
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
185	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
175	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
165	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
135	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
125	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
115	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
105	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
95	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
85	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
65	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
55	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
45	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
35	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
25	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
15	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
5	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

VP 2-W1
 HORIZONTAL (ft)

VERTICAL (ft)

	655	665	675	685	695	705
395	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10
355	0.20	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10	0.10	0.10
215	0.10	0.10	0.10	0.10	0.10	0.10
205	0.10	0.10	0.10	0.10	0.10	0.10
195	0.10	0.10	0.10	0.10	0.10	0.10
185	0.10	0.10	0.10	0.10	0.10	0.10
175	0.10	0.10	0.10	0.10	0.10	0.10
165	0.10	0.10	0.10	0.10	0.10	0.10
155	0.10	0.10	0.10	0.10	0.10	0.10
145	0.10	0.10	0.10	0.10	0.10	0.10
135	0.10	0.10	0.10	0.10	0.10	0.10
125	0.10	0.10	0.10	0.10	0.10	0.10
115	0.10	0.10	0.10	0.10	0.10	0.10
105	0.10	0.10	0.10	0.10	0.10	0.10
95	0.10	0.10	0.10	0.10	0.10	0.10
85	0.10	0.10	0.10	0.10	0.10	0.10
75	0.10	0.10	0.10	0.10	0.10	0.10
65	0.20	0.10	0.10	0.10	0.10	0.10
55	0.10	0.10	0.10	0.10	0.10	0.10
45	0.10	0.10	0.10	0.10	0.10	0.10
35	0.20	0.10	0.10	0.10	0.10	0.10
25	0.20	0.10	0.10	0.10	0.10	0.10
15	0.10	0.10	0.10	0.10	0.10	0.10
5	0.10	0.10	0.10	0.10	0.00	0.00

VP 2-W2

HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75	85	95	105	115	125
395	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
385	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
375	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
345	0.10	0.10	0.10	0.20	0.10	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
335	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
305	0.10	0.10	0.10	0.20	0.10	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
295	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
265	0.10	0.10	0.20	0.20	0.10	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20
255	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.30	0.30	0.30
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
225	0.10	0.10	0.20	0.20	0.10	0.30	0.30	0.30	0.20	0.30	0.20	0.30	0.20
215	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.30	0.20	0.30	0.40	0.40	0.40
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.10	0.10	0.20	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
185	0.10	0.10	0.20	0.20	0.10	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20
175	0.10	0.10	0.10	0.20	0.10	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
165	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00
155	0.10	0.10	0.10	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
145	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.10	0.10	0.20	0.20	0.10	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
125	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
115	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
105	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
95	0.10	0.10	0.10	0.20	0.10	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.30
85	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
75	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
55	0.10	0.10	0.10	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
45	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.30	0.30	0.40
35	0.10	0.10	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.10	0.10	0.10	0.10
25	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
15	0.10	0.10	0.20	0.20	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.30	0.30
5	0.10	0.10	0.10	0.00	0.10	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30

VP 2-W2

HORIZONTAL (ft)

VERTICAL (ft)

	135	145	155	165	175	185	195	205	215	225	235
395	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10
385	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10
375	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.00	0.00	0.10	0.10	0.20	0.20	0.20	0.20	0.20
355	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.30	0.20
345	0.30	0.40	0.40	0.40	0.20	0.10	0.20	0.20	0.20	0.30	0.20
335	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.20	0.20	0.20	0.20
325	0.10	0.10	0.00	0.00	0.10	0.10	0.20	0.20	0.20	0.20	0.20
315	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
305	0.30	0.30	0.30	0.30	0.20	0.10	0.20	0.20	0.20	0.20	0.20
295	0.10	0.20	0.40	0.60	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.20	0.20
275	0.10	0.00	0.00	0.00	0.10	0.10	0.10	0.20	0.20	0.20	0.20
265	0.10	0.00	0.00	0.00	0.10	0.10	0.10	0.20	0.20	0.30	0.30
255	0.10	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.20	0.20	0.20
245	0.10	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.20	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.20	0.10	0.10	0.20	0.20	0.20	0.30	0.30	0.30
215	0.40	0.60	0.70	0.70	0.20	0.10	0.20	0.20	0.20	0.20	0.20
205	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.10	0.10	0.10	0.00	0.10	0.10	0.20	0.20	0.20	0.20	0.20
185	0.20	0.20	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.30	0.20
175	0.40	0.50	0.60	0.50	0.20	0.10	0.20	0.20	0.20	0.20	0.20
165	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10
155	0.10	0.10	0.10	0.00	0.10	0.10	0.20	0.20	0.20	0.20	0.20
145	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
135	0.30	0.40	0.40	0.40	0.20	0.10	0.20	0.20	0.20	0.20	0.20
125	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10
115	0.10	0.10	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.20	0.10
105	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
95	0.30	0.30	0.30	0.30	0.10	0.10	0.20	0.20	0.20	0.20	0.20
85	0.10	0.20	0.40	0.60	0.10	0.10	0.10	0.10	0.10	0.10	0.10
75	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65	0.10	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.20	0.20	0.20
55	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.30
45	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
35	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10
25	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20
15	0.10	0.30	0.40	0.40	0.10	0.10	0.20	0.20	0.20	0.30	0.30
5	0.20	0.40	0.30	0.40	0.10	0.10	0.20	0.20	0.30	0.30	0.40

VP 2-W2

HORIZONTAL (ft)

VERTICAL (ft)

	245	255	265	275	285	295	305	315	325	335	345
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
355	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
345	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
335	0.20	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10
325	0.20	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
305	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
295	0.20	0.20	0.10	0.10	0.20	0.20	0.20	0.10	0.10	0.10	0.10
285	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
275	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
265	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
255	0.20	0.20	0.20	0.10	0.10	0.20	0.20	0.20	0.10	0.10	0.10
245	0.20	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.10	0.10
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
225	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
215	0.20	0.20	0.30	0.20	0.10	0.20	0.20	0.20	0.20	0.10	0.10
205	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.10
195	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.10
185	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.10	0.10
175	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.10
165	0.10	0.10	0.10	0.10	0.20	0.20	0.10	0.10	0.10	0.10	0.10
155	0.20	0.20	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.10
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
135	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.10	0.10	0.10
125	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.10	0.10	0.10	0.10
115	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10
105	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
95	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.10	0.20	0.20	0.10
85	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10
75	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10
65	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
55	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.30	0.20	0.20	0.10
45	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
35	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
25	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.00	0.10
15	0.30	0.30	0.40	0.40	0.30	0.30	0.30	0.20	0.10	0.10	0.10
5	0.30	0.40	0.50	0.50	0.40	0.40	0.40	0.30	0.20	0.10	0.10

VP 2-W4

HORIZONTAL (ft)

VERTICAL (ft)

	125	135	145	155	165	175	185	195
395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
385	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
375	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
345	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
265	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
245	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
235	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
215	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00
5	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

Table 3: Light Trespass Illuminance (fc), RIO Boundary + 15 feet

Vertical Plane	Project or Project with Deck Concept	Illuminance (fc)			Analysis (0.01 fc)
		Max	Min	Avg	
3-N1	Both	0.00	0.00	0.00	Less than threshold
3-N2	Both	0.30	0.00	0.12	Greater than threshold
3-N3	Both	0.20	0.00	0.10	Greater than threshold
3-E1	Project	0.50	0.00	0.12	Greater than threshold
3-E1	Project with Deck Concept	0.40	0.00	0.13	Greater than threshold
3-S1	Project	0.50	0.10	0.14	Greater than threshold
3-S1	Project with Deck Concept	0.50	0.00	0.14	Greater than threshold
3-S2	Both	0.00	0.00	0.00	Less than threshold
3-W1	Both	0.30	0.00	0.17	Greater than threshold
3-W2	Both	0.20	0.00	0.16	Greater than threshold
3-W3	Both	0.00	0.00	0.00	Less than threshold
3-W4	Both	0.00	0.00	0.00	Less than threshold



Figure 4: Vertical calculation planes, Project - RIO Boundary +15 feet

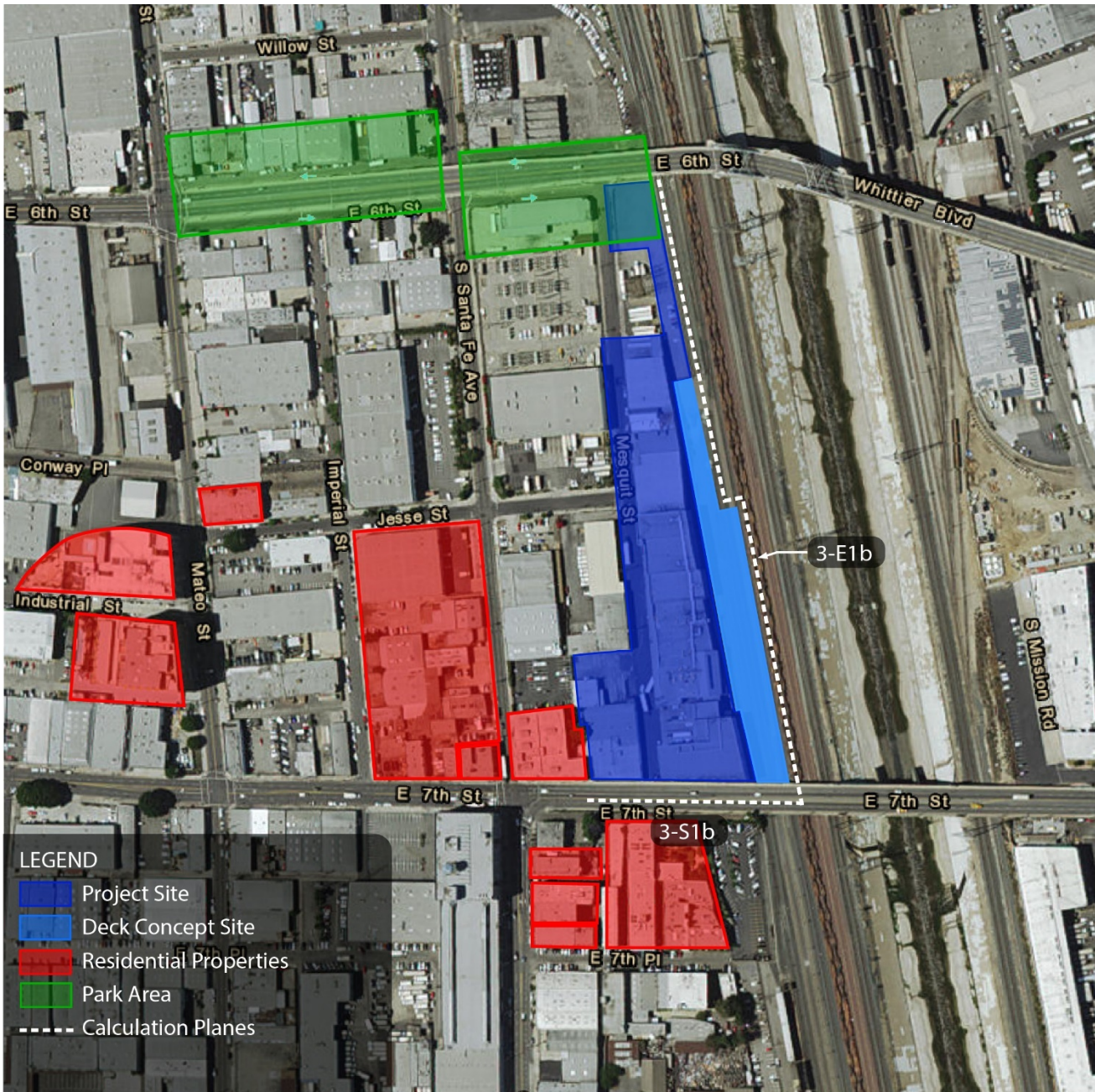


Figure 5: Vertical calculation planes, Project with Deck Concept - RIO Boundary +15 feet

VP 3-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	605	615	625	635	645	655	665	675	685	695	705	715	725	735	745
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
365	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
355	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20
345	0.20	0.20	0.30	0.30	0.30	0.40	0.40	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20
335	0.10	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
325	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20
315	0.20	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.30	0.30	0.30	0.20	0.20	0.20	0.20
305	0.30	0.30	0.30	0.30	0.30	0.40	0.50	0.50	0.40	0.30	0.30	0.20	0.20	0.20	0.20
295	0.10	0.10	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.30	0.30	0.30	0.30	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20	0.20
265	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.40	0.30	0.30	0.30	0.30
255	0.10	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.10	0.10
245	0.10	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.10	0.10	0.10
235	0.20	0.20	0.20	0.30	0.20	0.30	0.40	0.40	0.30	0.30	0.30	0.20	0.20	0.20	0.20
225	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30
215	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.10	0.10	0.10	0.10
205	0.10	0.10	0.20	0.20	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.10
195	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.30	0.20	0.20	0.20	0.20
185	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30
175	0.20	0.20	0.30	0.30	0.30	0.30	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20	0.20
165	0.10	0.10	0.20	0.10	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.10	0.10	0.10	0.10
155	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.40	0.30	0.20	0.20	0.20	0.20	0.20	0.20
145	0.20	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20
135	0.20	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20
125	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.30	0.20	0.20	0.20	0.10	0.10	0.10	0.10
115	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.10	0.10
105	0.20	0.20	0.30	0.30	0.30	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20	0.20
95	0.20	0.30	0.30	0.30	0.30	0.40	0.50	0.50	0.40	0.30	0.40	0.30	0.30	0.20	0.20
85	0.10	0.10	0.10	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.10	0.10	0.10
75	0.10	0.10	0.20	0.20	0.20	0.30	0.40	0.40	0.30	0.20	0.20	0.20	0.10	0.10	0.10
65	0.20	0.20	0.20	0.20	0.30	0.40	0.40	0.40	0.40	0.30	0.30	0.20	0.20	0.20	0.20
55	0.20	0.20	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.20	0.20	0.20
45	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.10
35	0.00	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.10	0.10	0.10	0.10	0.00	0.00
25	0.00	0.00	0.00	0.10	0.10	0.10	0.20	0.20	0.10	0.10	0.10	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 3-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	755	765	775	785	795	805	815	825	835	845	855	865	875
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
325	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.10	0.10	0.10	0.20	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.30	0.30	0.30	0.30	0.30
215	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.30	0.30	0.30	0.20	0.30	0.30	0.20	0.20	0.20	0.30	0.30	0.30	0.30
175	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.20	0.20
125	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
115	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20
105	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.30	0.30	0.20	0.20	0.30	0.30	0.20	0.20	0.20	0.30	0.30	0.20	0.20
85	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
75	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20
55	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
45	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 3-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	885	895	905	915	925	935	945	955	965	975	985	995	1005
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.20	0.20	0.10	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.20	0.10
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.30	0.30	0.40	0.40	0.30	0.30	0.20	0.30	0.20	0.20	0.20
245	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.30	0.30	0.40	0.40	0.40	0.30	0.20	0.30	0.20	0.20	0.20
225	0.30	0.30	0.30	0.30	0.40	0.50	0.40	0.40	0.30	0.30	0.20	0.20	0.20
215	0.10	0.10	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
205	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.10
195	0.20	0.20	0.20	0.20	0.30	0.30	0.40	0.30	0.20	0.30	0.20	0.20	0.20
185	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30
175	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.20
165	0.10	0.20	0.20	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.10	0.10	0.10
155	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
145	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20
135	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20
125	0.10	0.20	0.20	0.20	0.30	0.30	0.30	0.20	0.20	0.10	0.10	0.10	0.10
115	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
105	0.20	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.20	0.20
95	0.30	0.30	0.30	0.30	0.40	0.50	0.50	0.40	0.30	0.30	0.30	0.30	0.30
85	0.10	0.20	0.10	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.10	0.10
75	0.10	0.20	0.20	0.30	0.40	0.40	0.40	0.30	0.20	0.20	0.20	0.10	0.10
65	0.20	0.20	0.30	0.30	0.40	0.50	0.50	0.40	0.30	0.30	0.20	0.20	0.20
55	0.20	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.20	0.20
45	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10
35	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.00
25	0.00	0.00	0.10	0.10	0.20	0.20	0.20	0.10	0.10	0.10	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 3-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1015	1025	1035	1045	1055	1065	1075	1085	1095	1105	1115	1125
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
245	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20
175	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20
135	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30
125	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
115	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
105	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.30	0.30	0.20	0.20	0.20	0.30	0.30	0.20	0.20	0.30	0.30	0.30
85	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
75	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
55	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
45	0.10	0.10	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 3-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1135	1145	1155	1165	1175	1185	1195	1205	1215	1225	1235	1245
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20
175	0.20	0.20	0.20	0.30	0.30	0.30	0.40	0.40	0.30	0.30	0.20	0.20
165	0.10	0.10	0.10	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20
155	0.20	0.20	0.20	0.20	0.30	0.20	0.30	0.40	0.40	0.30	0.20	0.20
145	0.20	0.20	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.30	0.20	0.30
135	0.20	0.20	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.20	0.20
125	0.10	0.10	0.10	0.20	0.20	0.20	0.30	0.30	0.30	0.20	0.20	0.20
115	0.10	0.20	0.20	0.20	0.20	0.20	0.30	0.40	0.30	0.30	0.20	0.20
105	0.20	0.20	0.20	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30
95	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30
85	0.10	0.10	0.10	0.20	0.20	0.20	0.30	0.30	0.30	0.20	0.10	0.20
75	0.10	0.10	0.10	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.20	0.20
65	0.20	0.20	0.20	0.20	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30
55	0.20	0.20	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30
45	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20
35	0.00	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.20	0.20
25	0.00	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20
15	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10

VP 3-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1255	1265	1275	1285	1295	1305	1315	1325	1335	1345	1355
395	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
215	0.20	0.00	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
205	0.20	0.10	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.20	0.10	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
185	0.20	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
175	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
165	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
155	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
145	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
135	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
115	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
105	0.30	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.30	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
85	0.20	0.10	0.20	0.20	0.10	0.10	0.10	0.10	0.20	0.20	0.20
75	0.20	0.10	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.20	0.20
65	0.30	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
55	0.30	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
45	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30
35	0.30	0.10	0.20	0.30	0.30	0.40	0.40	0.30	0.30	0.40	0.30
25	0.30	0.10	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30
15	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
5	0.10	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

VP 3-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1365	1375	1385	1395	1405	1415	1425	1435	1445	1455	1465	1475
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
215	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
185	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
175	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
165	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
155	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
145	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
135	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
125	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
115	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
105	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
95	0.20	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.10
85	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.10	0.10	0.10
75	0.20	0.20	0.20	0.30	0.30	0.30	0.20	0.20	0.20	0.10	0.10	0.10
65	0.20	0.20	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.10
55	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
45	0.30	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
35	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
25	0.40	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.00	0.00	0.00
15	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
5	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00

VP 3-E1 Project with Deck Concept

HORIZONTAL (ft)	755	765	775	785	795	805	815	825	835	845	855	865	875	885	895
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10
375	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
365	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
355	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
345	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
335	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
325	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20
185	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20
175	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
155	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
145	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20
135	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.10
125	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
115	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.10
105	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
95	0.10	0.10	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20
85	0.10	0.10	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
75	0.10	0.10	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
65	0.10	0.10	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
55	0.10	0.10	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
45	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.30
35	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.20	0.20	0.20	0.20	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.30	0.30	0.30	0.20	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 3-E1 Project with Deck Concept

HORIZONTAL (ft)	905	915	925	935	945	955	965	975	985	995	1005	1015	1025
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
365	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
355	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
345	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
325	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30
115	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.30	0.30	0.30
105	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.30	0.30	0.30	0.30	0.30	0.30
95	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.30	0.30	0.20	0.30
85	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30
75	0.20	0.20	0.30	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
65	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
55	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
45	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
35	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
25	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 3-E1 Project with Deck Concept

HORIZONTAL (ft)	1035	1045	1055	1065	1075	1085	1095	1105	1115	1125	1135	1145
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
325	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20
125	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.30	0.30	0.30	0.30	0.30
115	0.30	0.30	0.30	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30
105	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
95	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
85	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
75	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
65	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
55	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
45	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
35	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
25	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 3-E1 Project with Deck Concept

HORIZONTAL (ft)	1155	1165	1175	1185	1195	1205	1215	1225	1235	1245	1255	1265
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.20	0.20
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20
185	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.20	0.20	0.20	0.30	0.30
175	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
165	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
155	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
145	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
135	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
125	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
115	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
105	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
95	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
85	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.30	0.40	0.30	0.40
75	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
65	0.40	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
55	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
45	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
35	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
25	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 3-E1 Project with Deck Concept

HORIZONTAL (ft)	1275	1285	1295	1305	1315	1325	1335	1345	1355	1365	1375	1385
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
265	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
245	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
155	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
125	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20
115	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
105	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
95	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
85	0.40	0.40	0.30	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
75	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30
65	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
55	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
45	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
35	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
25	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 3-E1 Project with Deck Concept

HORIZONTAL (ft)	1395	1405	1415	1425	1435	1445	1455	1465	1475	1485	1495	1505
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
215	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
205	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
185	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
175	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
165	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
155	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
135	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
125	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
115	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
105	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
95	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
85	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.10	0.10
75	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.10	0.10
65	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.10	0.10
55	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.10	0.10
45	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20	0.10	0.10
35	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.10	0.10	0.10
25	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VERTICAL (ft)

VP 3-S1 Project with Deck Concept

HORIZONTAL (ft)

VERTICAL (ft)

	285	295	305	315	325	335	345	355	365	375	385	395	405	415
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
215	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
205	0.20	0.10	0.10	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
185	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
175	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
165	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
115	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
105	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
85	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
75	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.10
65	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
55	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
45	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
35	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
25	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.20
15	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.20
5	0.40	0.30	0.40	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.40	0.30	0.20	0.20

VP 3-S1 Project with Deck Concept

HORIZONTAL (ft)	425	435	445	455	465	475	485	495
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
215	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
205	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
195	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
185	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
175	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
165	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
155	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
145	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
135	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
125	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
115	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
105	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
95	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
85	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
75	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
65	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
55	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
45	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
35	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
25	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
15	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
5	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10

VERTICAL (ft)

VP 3-S2
 HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75	85
395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
385	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
375	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
365	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
355	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
345	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
335	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
325	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
295	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
285	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
275	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
265	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
255	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
245	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
235	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
215	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
195	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
185	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 3-W1

HORIZONTAL (ft)

VERTICAL (ft)

	665	675	685	695	705
395	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10
265	0.10	0.10	0.10	0.10	0.10
255	0.10	0.10	0.10	0.10	0.10
245	0.10	0.10	0.10	0.10	0.10
235	0.10	0.10	0.10	0.10	0.10
225	0.10	0.10	0.10	0.10	0.10
215	0.10	0.10	0.10	0.10	0.10
205	0.10	0.10	0.10	0.10	0.10
195	0.10	0.10	0.10	0.10	0.10
185	0.10	0.10	0.10	0.10	0.10
175	0.10	0.10	0.10	0.10	0.10
165	0.10	0.10	0.10	0.10	0.10
155	0.10	0.10	0.10	0.10	0.10
145	0.10	0.10	0.10	0.10	0.10
135	0.10	0.10	0.10	0.10	0.10
125	0.10	0.10	0.10	0.10	0.10
115	0.10	0.10	0.10	0.10	0.10
105	0.10	0.10	0.10	0.10	0.10
95	0.10	0.10	0.10	0.10	0.10
85	0.10	0.10	0.10	0.10	0.10
75	0.10	0.10	0.10	0.10	0.10
65	0.10	0.10	0.10	0.10	0.10
55	0.10	0.10	0.10	0.10	0.10
45	0.10	0.10	0.10	0.10	0.10
35	0.10	0.10	0.10	0.10	0.00
25	0.10	0.10	0.10	0.00	0.00
15	0.10	0.10	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00

VP 3-W2
HORIZONTAL
(ft)

VERTICAL (ft)

	145	155	165	175	185	195	205	215	225	235	245	255	265
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
385	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20
375	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
365	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
355	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
345	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20
325	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
165	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
135	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
125	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20
115	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
105	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
85	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
75	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
65	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
55	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
45	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
35	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
25	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
15	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
5	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

VP 3-W2
 HORIZONTAL
 (ft)

VERTICAL (ft)

	275	285	295	305	315	325
395	0.20	0.10	0.10	0.10	0.10	0.10
385	0.20	0.20	0.10	0.10	0.10	0.10
375	0.20	0.20	0.20	0.10	0.10	0.10
365	0.20	0.20	0.20	0.20	0.10	0.10
355	0.20	0.20	0.20	0.20	0.20	0.10
345	0.20	0.20	0.20	0.20	0.20	0.20
335	0.20	0.20	0.20	0.20	0.20	0.10
325	0.20	0.20	0.20	0.20	0.20	0.20
315	0.20	0.20	0.20	0.20	0.20	0.20
305	0.20	0.20	0.20	0.20	0.20	0.20
295	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.20	0.20	0.20	0.20
245	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.20	0.20	0.20	0.20
215	0.20	0.20	0.20	0.20	0.20	0.20
205	0.20	0.20	0.20	0.20	0.20	0.20
195	0.20	0.20	0.20	0.20	0.20	0.10
185	0.20	0.20	0.20	0.20	0.20	0.10
175	0.20	0.20	0.20	0.20	0.20	0.10
165	0.20	0.20	0.20	0.20	0.10	0.10
155	0.20	0.20	0.20	0.20	0.10	0.10
145	0.20	0.20	0.20	0.20	0.10	0.10
135	0.10	0.20	0.20	0.20	0.10	0.10
125	0.10	0.10	0.20	0.20	0.10	0.10
115	0.10	0.20	0.20	0.20	0.10	0.10
105	0.10	0.20	0.20	0.10	0.10	0.10
95	0.10	0.10	0.20	0.10	0.10	0.10
85	0.20	0.10	0.10	0.10	0.10	0.10
75	0.20	0.10	0.10	0.10	0.10	0.10
65	0.20	0.10	0.10	0.10	0.10	0.10
55	0.20	0.10	0.10	0.10	0.10	0.10
45	0.10	0.10	0.10	0.10	0.10	0.10
35	0.10	0.10	0.10	0.10	0.10	0.10
25	0.10	0.10	0.10	0.10	0.10	0.10
15	0.20	0.10	0.10	0.10	0.10	0.10
5	0.20	0.10	0.10	0.10	0.10	0.00

VP 3-W3

HORIZONTAL (ft)

VERTICAL (ft)

	125	135	145
395	0.00	0.00	0.00
385	0.00	0.00	0.00
375	0.00	0.00	0.00
365	0.00	0.00	0.00
355	0.00	0.00	0.00
345	0.00	0.00	0.00
335	0.00	0.00	0.00
325	0.00	0.00	0.00
315	0.00	0.00	0.00
305	0.00	0.00	0.00
295	0.00	0.00	0.00
285	0.00	0.00	0.00
275	0.00	0.00	0.00
265	0.00	0.00	0.00
255	0.00	0.00	0.00
245	0.00	0.00	0.00
235	0.00	0.00	0.00
225	0.00	0.00	0.00
215	0.00	0.00	0.00
205	0.00	0.00	0.00
195	0.00	0.00	0.00
185	0.00	0.00	0.00
175	0.00	0.00	0.00
165	0.00	0.00	0.00
155	0.00	0.00	0.00
145	0.00	0.00	0.00
135	0.00	0.00	0.00
125	0.00	0.00	0.00
115	0.00	0.00	0.00
105	0.00	0.00	0.00
95	0.00	0.00	0.00
85	0.00	0.00	0.00
75	0.00	0.00	0.00
65	0.00	0.00	0.00
55	0.00	0.00	0.00
45	0.00	0.00	0.00
35	0.00	0.00	0.00
25	0.00	0.00	0.00
15	0.00	0.00	0.00
5	0.00	0.00	0.00

VP 3-W4
 HORIZONTAL
 (ft)

VERTICAL (ft)

	135	145	155	165
395	0.00	0.00	0.00	0.00
385	0.00	0.00	0.00	0.00
375	0.00	0.00	0.00	0.00
365	0.00	0.00	0.00	0.00
355	0.00	0.00	0.00	0.00
345	0.00	0.00	0.00	0.00
335	0.00	0.00	0.00	0.00
325	0.00	0.00	0.00	0.00
315	0.00	0.00	0.00	0.00
305	0.00	0.00	0.00	0.00
295	0.00	0.00	0.00	0.00
285	0.00	0.00	0.00	0.00
275	0.00	0.00	0.00	0.00
265	0.00	0.00	0.00	0.00
255	0.00	0.00	0.00	0.00
245	0.00	0.00	0.00	0.00
235	0.00	0.00	0.00	0.00
225	0.00	0.00	0.00	0.00
215	0.00	0.00	0.00	0.00
205	0.00	0.00	0.00	0.00
195	0.00	0.00	0.00	0.00
185	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00

APPENDIX D: SIGN Lighting Illuminance Calculation (fc)

Sign illuminance data presented below is derived from the lighting illuminance calculations prepared as per the methods defined by IESNA. Illuminance data is presented in the following tables with location coordinates defined relative to the elevation and horizontal distance from lower left, viewing from the Property to the vertical plane where Light Trespass illuminance is under review. Grid data is displayed at ten feet on center, vertical and horizontal. Vertical planes are located as illustrated in Figure on following page.

Table 4: Sign Light Trespass Illuminance (fc) LAMC

Vertical Plane	Project or Project with the Deck Concept	Illuminance (fc)			Analysis (3.0 fc threshold)
		Max	Min	Avg	
1-N1	Both	1.70	0.20	0.96	Less than threshold
1-E1	Project	4.50	0.10	1.05	Greater than threshold, not an impact - Threshold applies only at residential use properties
1-E1	Project with the Deck Concept	4.30	0.00	1.03	Greater than threshold, not an impact - Threshold applies only at residential use properties
1-E2	Project	0.80	0.10	0.41	Less than threshold
1-E2	Project with the Deck Concept	0.80	0.10	0.41	Less than threshold
1-S1	Both	2.40	0.00	0.20	Less than threshold
1-S2	Project	1.50	0.10	0.58	Less than threshold
1-S2	Project with Deck Concept	1.50	0.10	0.58	Less than threshold
1-W1	Both	0.20	0.20	0.20	Less than threshold
1-W2	Both	2.20	0.30	0.83	Less than threshold
1-W3	Both	80.70	0.00	2.88	Greater than threshold, not an impact – Project Sign is not visible from residential use property.

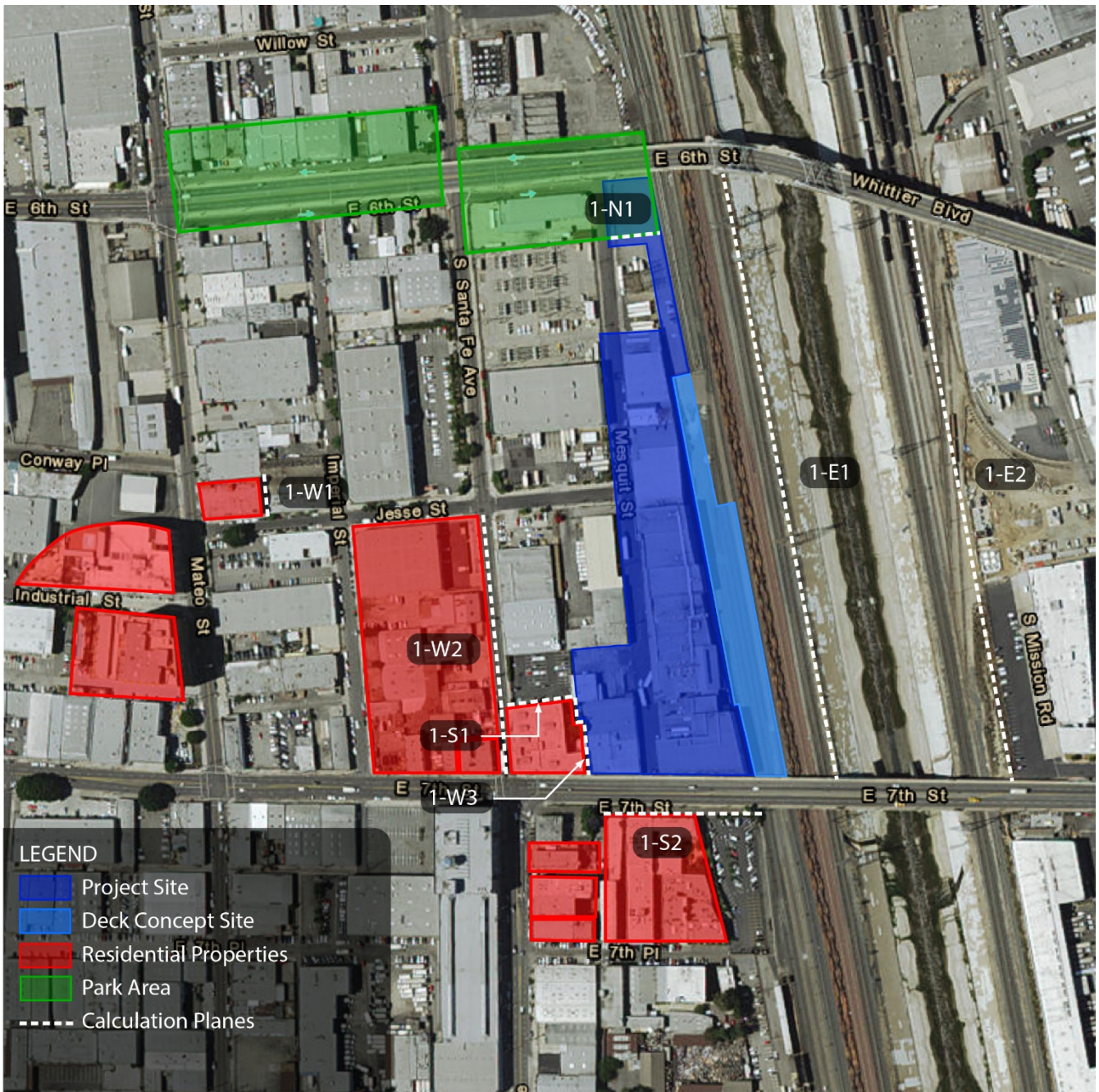


Figure 6: Vertical calculation planes - LAMC

VP 1-N1
 HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75	85
395	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
385	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
375	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.30
365	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
355	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
345	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
335	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
325	0.40	0.30	0.40	0.40	0.30	0.40	0.30	0.30	0.30
315	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
305	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
295	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
285	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
275	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
265	0.60	0.50	0.50	0.50	0.60	0.60	0.50	0.60	0.60
255	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
245	0.70	0.60	0.60	0.60	0.70	0.70	0.60	0.60	0.60
235	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
225	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80
215	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
205	0.90	0.80	0.80	0.90	0.90	0.90	0.90	0.90	0.90
195	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	0.90
185	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
175	1.00	1.00	1.00	1.10	1.10	1.10	1.10	1.10	1.10
165	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20
155	1.10	1.20	1.20	1.20	1.20	1.30	1.30	1.30	1.20
145	1.20	1.20	1.20	1.30	1.30	1.30	1.30	1.30	1.30
135	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40	1.40
125	1.30	1.40	1.40	1.40	1.50	1.50	1.50	1.50	1.40
115	1.40	1.40	1.40	1.50	1.50	1.50	1.50	1.50	1.50
105	1.40	1.50	1.50	1.50	1.60	1.60	1.60	1.60	1.60
95	1.50	1.50	1.50	1.60	1.60	1.60	1.70	1.60	1.60
85	1.50	1.50	1.60	1.60	1.60	1.60	1.70	1.70	1.60
75	1.50	1.50	1.60	1.60	1.60	1.70	1.70	1.70	1.70
65	1.50	1.60	1.60	1.60	1.70	1.70	1.70	1.70	1.70
55	1.50	1.60	1.60	1.60	1.60	1.70	1.70	1.60	1.60
45	1.50	1.50	1.60	1.60	1.60	1.60	1.70	1.60	1.60
35	1.50	1.50	1.60	1.60	1.60	1.60	1.70	1.60	1.70
25	1.40	1.50	1.50	1.60	1.60	1.60	1.60	1.50	1.60
15	1.40	1.40	1.40	1.50	1.50	1.50	1.60	1.50	1.50
5	1.30	1.40	1.40	1.40	1.50	1.40	1.50	1.40	1.50

VP 1-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75	85	95	105	115	125
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20
345	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
335	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20
325	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30
185	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30
175	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30
165	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
155	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40
145	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40
135	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40
125	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
115	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
105	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
95	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
85	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
75	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
65	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
55	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
45	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
35	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40
25	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40
15	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40
5	0.20	0.20	0.20	0.20	0.30	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.40

VP 1-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	135	145	155	165	175	185	195	205	215	225	235	245	255
395	0.10	0.10	0.10	0.20	0.10	0.10	0.20	0.20	0.20	0.10	0.10	0.20	0.20
385	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
375	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
365	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
355	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
345	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
325	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.30	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.20
265	0.20	0.20	0.30	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
255	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
245	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
235	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
225	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
215	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.30	0.40	0.40	0.40	0.30
205	0.30	0.30	0.30	0.30	0.30	0.40	0.30	0.40	0.40	0.40	0.40	0.40	0.40
195	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
185	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
175	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
165	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
155	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50
145	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50
135	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50
125	0.40	0.40	0.40	0.40	0.50	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50
115	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
105	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
95	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
85	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
75	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
65	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.50	0.60	0.50
55	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
45	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
35	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
25	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
15	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50
5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50

VP 1-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	265	275	285	295	305	315	325	335	345	355	365	375	385
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
355	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
345	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20	0.10	0.20
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20
325	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20
225	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
215	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
205	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20
195	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20
185	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20
175	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.30
165	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30
155	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30
145	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30
135	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30
125	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.30	0.30
115	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.30	0.30
105	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.30
95	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.40
85	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.40
75	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.40
65	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40
55	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40
45	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.40
35	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.40
25	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.40
15	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.30	0.30
5	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30

VP 1-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	395	405	415	425	435	445	455	465	475	485	495	505	515
395	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
385	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
375	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
365	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
355	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30
345	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30
325	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30
245	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.40
235	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40
225	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40
215	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40
205	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40
195	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
185	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40
175	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40
165	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40
155	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.50
145	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50
135	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50
125	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50
115	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50
105	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50
95	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.60
85	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.60	0.60
75	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60
65	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60
55	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60
45	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60
35	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60
25	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60
15	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60
5	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.60

VP 1-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	525	535	545	555	565	575	585	595	605	615	625	635	645
395	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40
385	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40
375	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.50
365	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.50	0.50
355	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50
345	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50
335	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60
325	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.60
315	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.60	0.60
305	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60
295	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70
285	0.30	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70
275	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70
265	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70
255	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80
245	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80
235	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.60	0.60	0.70	0.70	0.70	0.80
225	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80
215	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80
205	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80
195	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.90
185	0.40	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.90
175	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.90	0.90
165	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.90	0.90
155	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.90	0.90
145	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.80	0.90	1.00
135	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.90	0.90	1.00
125	0.50	0.60	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00
115	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.90	0.90	1.00	1.00
105	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.80	0.80	0.90	0.90	1.00	1.00
95	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00
85	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.90	0.90	0.90	1.00	1.00
75	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00	1.10
65	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00	1.10
55	0.60	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00	1.10
45	0.60	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00	1.10
35	0.60	0.60	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00
25	0.60	0.60	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00
15	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00
5	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00

VP 1-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	655	665	675	685	695	705	715	725	735	745	755	765	775
395	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60
385	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60
375	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70
365	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70
355	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70
345	0.50	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80
335	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80
325	0.60	0.60	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.90
315	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.90	0.90	0.90	0.90
305	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00
295	0.70	0.70	0.80	0.80	0.80	0.80	0.90	0.90	0.90	0.90	1.00	1.00	1.00
285	0.70	0.70	0.80	0.80	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.10
275	0.70	0.80	0.80	0.90	0.90	0.90	1.00	1.00	1.00	1.10	1.10	1.10	1.10
265	0.80	0.80	0.80	0.90	0.90	1.00	1.00	1.10	1.10	1.10	1.10	1.20	1.20
255	0.80	0.80	0.90	0.90	1.00	1.00	1.10	1.10	1.10	1.20	1.20	1.20	1.20
245	0.80	0.90	0.90	0.90	1.00	1.00	1.10	1.10	1.20	1.20	1.20	1.30	1.30
235	0.80	0.90	0.90	1.00	1.00	1.10	1.10	1.20	1.20	1.30	1.30	1.30	1.40
225	0.80	0.90	1.00	1.00	1.10	1.10	1.20	1.20	1.20	1.30	1.30	1.40	1.40
215	0.90	0.90	1.00	1.00	1.10	1.10	1.20	1.20	1.30	1.30	1.40	1.40	1.50
205	0.90	0.90	1.00	1.00	1.10	1.10	1.20	1.30	1.30	1.40	1.40	1.50	1.50
195	0.90	1.00	1.00	1.10	1.10	1.20	1.20	1.30	1.40	1.40	1.50	1.60	1.60
185	0.90	1.00	1.10	1.10	1.20	1.20	1.30	1.40	1.40	1.50	1.50	1.60	1.70
175	1.00	1.00	1.10	1.10	1.20	1.20	1.30	1.40	1.40	1.50	1.60	1.70	1.70
165	1.00	1.00	1.10	1.10	1.20	1.30	1.30	1.40	1.50	1.50	1.60	1.70	1.80
155	1.00	1.10	1.10	1.20	1.20	1.30	1.40	1.40	1.50	1.60	1.70	1.70	1.80
145	1.00	1.10	1.10	1.20	1.30	1.30	1.40	1.50	1.50	1.60	1.70	1.80	1.90
135	1.00	1.10	1.10	1.20	1.30	1.30	1.40	1.50	1.60	1.70	1.80	1.80	1.90
125	1.00	1.10	1.20	1.20	1.30	1.40	1.40	1.50	1.60	1.70	1.80	1.90	2.00
115	1.10	1.10	1.20	1.20	1.30	1.40	1.50	1.60	1.60	1.70	1.80	1.90	2.00
105	1.10	1.10	1.20	1.30	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10
95	1.10	1.10	1.20	1.30	1.40	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10
85	1.10	1.20	1.20	1.30	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10
75	1.10	1.20	1.20	1.30	1.40	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10
65	1.10	1.20	1.20	1.30	1.40	1.50	1.50	1.60	1.70	1.80	1.90	2.00	2.20
55	1.10	1.20	1.20	1.30	1.40	1.50	1.50	1.60	1.70	1.80	1.90	2.00	2.10
45	1.10	1.20	1.20	1.30	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10
35	1.10	1.10	1.20	1.20	1.30	1.40	1.50	1.60	1.60	1.70	1.80	1.90	2.10
25	1.10	1.10	1.20	1.20	1.30	1.40	1.50	1.60	1.60	1.70	1.80	1.90	2.00
15	1.00	1.10	1.20	1.20	1.30	1.40	1.40	1.50	1.60	1.70	1.80	1.90	2.00
5	1.00	1.10	1.10	1.20	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00

VP 1-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	785	795	805	815	825	835	845	855	865	875	885	895	905
395	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.80
385	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80
375	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.90
365	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.90	0.90	0.90
355	0.80	0.80	0.80	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00
345	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00
335	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.10	1.10
325	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.10	1.10	1.20
315	0.90	1.00	1.00	1.00	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20
305	1.00	1.00	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.30	1.30
295	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.30	1.30	1.30	1.30	1.40
285	1.10	1.10	1.10	1.20	1.20	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.50
275	1.20	1.20	1.20	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.50	1.50	1.60
265	1.20	1.30	1.30	1.30	1.40	1.40	1.40	1.50	1.50	1.50	1.60	1.60	1.70
255	1.30	1.30	1.30	1.40	1.40	1.50	1.50	1.50	1.60	1.60	1.70	1.70	1.80
245	1.40	1.40	1.40	1.50	1.50	1.50	1.60	1.60	1.70	1.70	1.80	1.80	1.90
235	1.40	1.50	1.50	1.50	1.60	1.60	1.70	1.70	1.80	1.80	1.90	1.90	2.00
225	1.50	1.50	1.60	1.60	1.70	1.70	1.80	1.80	1.90	1.90	2.00	2.10	2.20
215	1.50	1.60	1.60	1.70	1.80	1.80	1.90	1.90	2.00	2.00	2.10	2.20	2.30
205	1.60	1.70	1.70	1.80	1.80	1.90	2.00	2.00	2.10	2.20	2.20	2.30	2.40
195	1.70	1.70	1.80	1.90	1.90	2.00	2.00	2.10	2.20	2.30	2.30	2.40	2.60
185	1.70	1.80	1.90	2.00	2.00	2.10	2.20	2.30	2.30	2.40	2.50	2.60	2.80
175	1.80	1.90	2.00	2.00	2.10	2.20	2.30	2.40	2.40	2.60	2.70	2.80	2.90
165	1.90	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00
155	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.90	3.00	3.10	3.20
145	2.00	2.10	2.10	2.30	2.40	2.50	2.60	2.70	2.80	3.00	3.10	3.20	3.40
135	2.00	2.10	2.20	2.30	2.50	2.60	2.70	2.90	3.00	3.10	3.30	3.40	3.50
125	2.10	2.20	2.30	2.40	2.50	2.60	2.80	2.90	3.10	3.20	3.40	3.50	3.70
115	2.10	2.20	2.30	2.50	2.60	2.70	2.90	3.00	3.20	3.30	3.50	3.60	3.80
105	2.10	2.30	2.40	2.50	2.70	2.80	3.00	3.10	3.30	3.40	3.60	3.80	3.90
95	2.20	2.30	2.40	2.60	2.70	2.80	3.00	3.20	3.30	3.50	3.70	3.90	4.00
85	2.20	2.30	2.50	2.60	2.80	2.90	3.10	3.20	3.40	3.60	3.80	3.90	4.10
75	2.20	2.40	2.50	2.60	2.80	2.90	3.10	3.20	3.40	3.60	3.80	4.00	4.20
65	2.30	2.40	2.50	2.70	2.80	3.00	3.10	3.30	3.40	3.60	3.90	4.00	4.20
55	2.20	2.40	2.50	2.60	2.80	3.00	3.20	3.30	3.50	3.60	3.90	4.00	4.20
45	2.20	2.40	2.50	2.60	2.80	2.90	3.10	3.30	3.40	3.60	3.90	4.00	4.20
35	2.20	2.30	2.40	2.60	2.70	2.90	3.00	3.20	3.40	3.50	3.70	3.90	4.10
25	2.20	2.30	2.40	2.60	2.70	2.90	3.00	3.20	3.40	3.50	3.70	3.80	4.00
15	2.10	2.20	2.40	2.50	2.60	2.80	2.90	3.10	3.20	3.40	3.60	3.70	3.90
5	2.10	2.20	2.30	2.40	2.60	2.70	2.80	3.00	3.10	3.30	3.40	3.60	3.70

VP 1-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	915	925	935	945	955	965	975	985	995	1005	1015	1025
395	0.80	0.80	0.80	0.80	0.80	0.90	0.90	0.90	0.90	1.00	1.00	0.90
385	0.80	0.90	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
375	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.10
365	0.90	0.90	1.00	1.00	1.00	1.00	1.10	1.10	1.10	1.10	1.10	1.10
355	1.00	1.00	1.00	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20
345	1.00	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.30
335	1.10	1.10	1.20	1.20	1.20	1.20	1.30	1.30	1.30	1.30	1.30	1.30
325	1.20	1.20	1.20	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40
315	1.20	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40	1.50	1.50	1.50
305	1.30	1.30	1.40	1.40	1.50	1.50	1.50	1.50	1.50	1.60	1.60	1.60
295	1.40	1.50	1.50	1.50	1.60	1.60	1.60	1.60	1.60	1.70	1.70	1.70
285	1.50	1.50	1.60	1.60	1.60	1.70	1.70	1.70	1.80	1.80	1.80	1.80
275	1.60	1.60	1.70	1.70	1.80	1.80	1.80	1.90	1.90	1.90	1.90	1.90
265	1.70	1.70	1.80	1.80	1.90	1.90	2.00	2.00	2.00	2.00	2.00	2.10
255	1.80	1.90	1.90	2.00	2.00	2.00	2.10	2.10	2.20	2.20	2.20	2.20
245	1.90	2.00	2.10	2.10	2.10	2.20	2.20	2.30	2.30	2.30	2.30	2.40
235	2.00	2.10	2.20	2.20	2.30	2.30	2.40	2.40	2.50	2.40	2.50	2.50
225	2.20	2.20	2.30	2.40	2.40	2.50	2.60	2.60	2.70	2.70	2.60	2.70
215	2.30	2.40	2.50	2.60	2.60	2.60	2.70	2.80	2.80	2.80	2.80	2.90
205	2.50	2.50	2.60	2.70	2.80	2.80	2.90	3.00	3.00	3.00	3.00	3.10
195	2.60	2.70	2.80	2.90	2.90	3.00	3.10	3.20	3.20	3.20	3.20	3.30
185	2.80	2.80	3.00	3.00	3.10	3.20	3.30	3.30	3.40	3.40	3.40	3.50
175	3.00	3.00	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.70	3.70	3.70
165	3.10	3.20	3.40	3.40	3.60	3.60	3.80	3.80	3.90	3.90	3.90	3.90
155	3.30	3.40	3.50	3.60	3.80	3.80	3.90	4.00	4.10	4.20	4.20	4.20
145	3.50	3.60	3.70	3.80	4.00	4.10	4.20	4.20	4.30	4.30	4.30	4.40
135	3.70	3.80	3.90	4.00	4.20	4.30	4.40	4.50	4.60	4.60	4.60	4.70
125	3.80	4.00	4.10	4.20	4.40	4.50	4.60	4.70	4.80	4.80	4.80	4.90
115	4.00	4.10	4.20	4.40	4.60	4.70	4.80	4.90	5.00	5.00	5.10	5.10
105	4.10	4.30	4.40	4.60	4.70	4.80	5.00	5.10	5.10	5.20	5.20	5.30
95	4.20	4.40	4.60	4.70	4.80	5.10	5.20	5.20	5.30	5.30	5.40	5.40
85	4.30	4.50	4.70	4.80	4.90	5.10	5.20	5.30	5.40	5.40	5.60	5.60
75	4.40	4.60	4.80	4.80	5.00	5.10	5.30	5.40	5.40	5.50	5.70	5.70
65	4.40	4.60	4.80	4.90	5.00	5.20	5.30	5.40	5.50	5.60	5.60	5.70
55	4.40	4.60	4.80	4.90	5.10	5.20	5.30	5.40	5.50	5.60	5.60	5.60
45	4.40	4.50	4.70	4.90	5.00	5.10	5.30	5.40	5.50	5.60	5.60	5.60
35	4.30	4.40	4.60	4.80	4.90	5.10	5.20	5.30	5.40	5.50	5.40	5.50
25	4.20	4.40	4.60	4.70	4.90	5.00	5.20	5.30	5.30	5.40	5.40	5.40
15	4.10	4.30	4.50	4.60	4.70	4.90	4.90	5.10	5.10	5.20	5.20	5.30
5	3.90	4.00	4.20	4.30	4.50	4.60	4.70	4.80	4.90	5.00	5.00	5.00

VP 1-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1035	1045	1055	1065	1075	1085	1095	1105	1115	1125	1135	1145
395	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.00	1.00	1.10	1.00	1.00
385	1.00	1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
375	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.20	1.10	1.20	1.20	1.10
365	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
355	1.20	1.20	1.20	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
345	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
335	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
325	1.40	1.40	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.40	1.40
315	1.50	1.50	1.50	1.50	1.60	1.50	1.60	1.50	1.50	1.50	1.50	1.50
305	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
295	1.70	1.70	1.70	1.70	1.80	1.70	1.80	1.70	1.70	1.70	1.70	1.60
285	1.80	1.80	1.90	1.90	1.90	1.90	1.80	1.80	1.80	1.80	1.70	1.70
275	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.90	1.90	1.90	1.90	1.80
265	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.00	2.00	2.00	1.90
255	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.10	2.10	2.00
245	2.40	2.40	2.40	2.40	2.40	2.30	2.30	2.30	2.30	2.20	2.20	2.10
235	2.50	2.60	2.50	2.50	2.50	2.50	2.50	2.40	2.40	2.30	2.30	2.30
225	2.70	2.70	2.70	2.70	2.70	2.60	2.60	2.60	2.60	2.50	2.50	2.40
215	2.90	2.90	2.90	2.90	2.90	2.90	2.80	2.80	2.70	2.70	2.60	2.50
205	3.10	3.10	3.10	3.10	3.10	3.10	3.00	3.00	2.90	2.90	2.80	2.70
195	3.30	3.30	3.30	3.30	3.30	3.20	3.20	3.10	3.10	3.00	2.90	2.80
185	3.50	3.50	3.50	3.50	3.40	3.40	3.40	3.40	3.30	3.20	3.10	3.00
175	3.70	3.70	3.70	3.70	3.70	3.60	3.60	3.50	3.50	3.40	3.30	3.20
165	4.00	4.00	4.00	3.90	3.90	3.90	3.80	3.70	3.70	3.50	3.40	3.30
155	4.20	4.20	4.20	4.20	4.10	4.10	4.00	4.00	3.90	3.80	3.60	3.50
145	4.30	4.40	4.40	4.40	4.30	4.30	4.20	4.10	4.00	3.90	3.70	3.70
135	4.60	4.70	4.60	4.60	4.50	4.50	4.40	4.30	4.20	4.10	3.90	3.80
125	4.80	4.90	4.90	4.80	4.70	4.70	4.60	4.50	4.40	4.30	4.00	3.90
115	5.00	5.10	5.10	5.00	5.00	4.80	4.80	4.70	4.50	4.40	4.20	4.10
105	5.20	5.20	5.20	5.20	5.10	5.00	4.90	4.80	4.70	4.50	4.30	4.10
95	5.40	5.40	5.40	5.30	5.20	5.10	5.00	5.00	4.80	4.70	4.40	4.30
85	5.60	5.50	5.50	5.40	5.40	5.20	5.10	5.00	4.90	4.70	4.50	4.30
75	5.60	5.60	5.50	5.50	5.40	5.30	5.10	5.00	4.90	4.70	4.50	4.30
65	5.70	5.60	5.60	5.50	5.40	5.30	5.10	5.00	4.90	4.70	4.50	4.30
55	5.60	5.60	5.60	5.50	5.40	5.30	5.20	5.10	4.90	4.60	4.40	4.30
45	5.60	5.60	5.50	5.50	5.40	5.30	5.10	5.00	4.70	4.70	4.50	4.30
35	5.50	5.50	5.40	5.40	5.30	5.20	5.10	4.80	4.80	4.60	4.40	4.20
25	5.40	5.40	5.40	5.30	5.30	5.10	5.00	4.90	4.70	4.60	4.30	4.20
15	5.30	5.20	5.10	5.20	5.10	4.90	4.90	4.70	4.60	4.40	4.30	4.10
5	4.90	4.90	4.90	4.90	4.80	4.80	4.70	4.50	4.40	4.20	4.10	3.90

VP 1-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1155	1165	1175	1185	1195	1205	1215	1225	1235	1245	1255
395	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.90
385	1.10	1.10	1.10	1.10	1.10	1.10	1.00	1.00	1.00	1.00	1.00
375	1.20	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.00	1.00
365	1.20	1.20	1.20	1.20	1.10	1.10	1.10	1.10	1.10	1.00	1.00
355	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.10	1.10	1.10	1.10
345	1.30	1.30	1.30	1.30	1.20	1.20	1.20	1.20	1.20	1.10	1.10
335	1.40	1.30	1.30	1.30	1.30	1.30	1.20	1.20	1.20	1.20	1.10
325	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.20	1.20	1.20
315	1.50	1.50	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.20	1.20
305	1.50	1.50	1.50	1.50	1.40	1.40	1.40	1.30	1.30	1.30	1.20
295	1.60	1.60	1.60	1.50	1.50	1.50	1.40	1.40	1.30	1.30	1.30
285	1.70	1.70	1.70	1.60	1.60	1.50	1.50	1.50	1.40	1.30	1.30
275	1.80	1.80	1.70	1.70	1.70	1.60	1.50	1.50	1.50	1.40	1.30
265	1.90	1.90	1.80	1.80	1.70	1.70	1.60	1.60	1.50	1.50	1.40
255	2.00	1.90	1.90	1.80	1.80	1.70	1.70	1.60	1.60	1.50	1.40
245	2.10	2.10	2.00	1.90	1.90	1.80	1.80	1.70	1.60	1.60	1.50
235	2.20	2.10	2.10	2.00	2.00	1.90	1.80	1.70	1.70	1.60	1.60
225	2.30	2.30	2.20	2.10	2.10	2.00	1.90	1.80	1.80	1.70	1.60
215	2.50	2.40	2.30	2.30	2.20	2.10	2.00	1.90	1.80	1.70	1.70
205	2.60	2.50	2.40	2.40	2.30	2.20	2.10	2.00	1.90	1.80	1.70
195	2.80	2.70	2.60	2.50	2.40	2.30	2.20	2.10	2.00	1.90	1.80
185	2.90	2.80	2.70	2.60	2.50	2.40	2.30	2.20	2.10	2.00	1.90
175	3.10	3.00	2.80	2.70	2.60	2.50	2.40	2.30	2.20	2.10	1.90
165	3.20	3.10	3.00	2.90	2.70	2.60	2.50	2.40	2.20	2.10	2.00
155	3.40	3.20	3.10	3.00	2.90	2.70	2.60	2.50	2.30	2.20	2.10
145	3.50	3.40	3.20	3.10	2.90	2.80	2.70	2.50	2.40	2.30	2.10
135	3.70	3.50	3.30	3.20	3.10	2.90	2.80	2.60	2.50	2.30	2.20
125	3.80	3.60	3.50	3.30	3.10	3.00	2.90	2.70	2.50	2.40	2.30
115	3.90	3.80	3.50	3.40	3.20	3.10	2.90	2.70	2.60	2.50	2.30
105	4.00	3.80	3.70	3.50	3.30	3.10	3.00	2.80	2.60	2.50	2.30
95	4.10	3.90	3.70	3.50	3.30	3.20	3.00	2.80	2.60	2.50	2.30
85	4.10	4.00	3.80	3.60	3.40	3.20	3.00	2.90	2.60	2.50	2.40
75	4.10	4.00	3.80	3.60	3.40	3.20	3.00	2.90	2.70	2.50	2.40
65	4.10	3.90	3.80	3.60	3.40	3.20	3.00	2.80	2.70	2.50	2.40
55	4.10	3.90	3.80	3.60	3.40	3.20	3.00	2.80	2.70	2.50	2.40
45	4.10	3.90	3.70	3.50	3.40	3.10	3.00	2.80	2.60	2.50	2.30
35	4.00	3.90	3.70	3.50	3.30	3.10	2.90	2.80	2.60	2.50	2.30
25	4.00	3.80	3.60	3.50	3.30	3.10	2.90	2.80	2.60	2.50	2.30
15	3.90	3.70	3.50	3.30	3.20	3.00	2.80	2.70	2.50	2.40	2.30
5	3.80	3.60	3.40	3.20	3.00	2.90	2.70	2.50	2.40	2.30	2.10

VP 1-E1 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1265	1275	1285	1295	1305	1315	1325	1335	1345	1355	1365
395	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.80	0.80	0.70	0.70
385	1.00	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.80	0.70	0.70
375	1.00	1.00	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.80	0.70
365	1.00	1.00	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.80	0.70
355	1.00	1.00	1.00	1.00	0.90	0.90	0.90	0.90	0.80	0.80	0.80
345	1.10	1.00	1.00	1.00	0.90	0.90	0.90	0.90	0.80	0.80	0.80
335	1.10	1.10	1.00	1.00	1.00	1.00	0.90	0.90	0.80	0.80	0.80
325	1.10	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.90	0.80	0.80
315	1.20	1.10	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.90	0.80
305	1.20	1.20	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.90	0.80
295	1.20	1.20	1.20	1.10	1.10	1.00	1.00	0.90	0.90	0.90	0.80
285	1.30	1.20	1.20	1.10	1.10	1.10	1.00	1.00	0.90	0.90	0.90
275	1.30	1.30	1.20	1.20	1.10	1.10	1.00	1.00	1.00	0.90	0.90
265	1.30	1.30	1.30	1.20	1.20	1.10	1.10	1.00	1.00	0.90	0.90
255	1.40	1.30	1.30	1.20	1.20	1.10	1.10	1.00	1.00	1.00	0.90
245	1.40	1.40	1.30	1.30	1.20	1.20	1.10	1.10	1.00	1.00	0.90
235	1.50	1.40	1.30	1.30	1.20	1.20	1.10	1.10	1.00	1.00	0.90
225	1.50	1.50	1.40	1.40	1.30	1.20	1.20	1.10	1.10	1.00	1.00
215	1.60	1.50	1.40	1.40	1.30	1.30	1.20	1.10	1.10	1.00	1.00
205	1.60	1.60	1.50	1.40	1.40	1.30	1.20	1.20	1.10	1.10	1.00
195	1.70	1.60	1.50	1.50	1.40	1.30	1.30	1.20	1.20	1.10	1.00
185	1.80	1.70	1.60	1.50	1.40	1.40	1.30	1.20	1.20	1.10	1.00
175	1.80	1.70	1.60	1.60	1.50	1.40	1.30	1.20	1.20	1.10	1.10
165	1.90	1.80	1.70	1.60	1.50	1.40	1.40	1.30	1.20	1.10	1.10
155	1.90	1.80	1.70	1.70	1.60	1.50	1.40	1.30	1.20	1.20	1.10
145	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.30	1.20	1.10
135	2.10	1.90	1.80	1.70	1.60	1.50	1.50	1.40	1.30	1.20	1.20
125	2.10	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.30	1.20
115	2.10	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.30	1.20
105	2.20	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.40	1.30	1.20
95	2.20	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.30	1.20
85	2.20	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.30	1.20
75	2.20	2.10	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.30	1.20
65	2.20	2.10	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.30	1.20
55	2.20	2.10	2.00	1.80	1.70	1.60	1.50	1.40	1.30	1.30	1.20
45	2.20	2.10	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.20
35	2.20	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.10
25	2.10	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.10
15	2.10	2.00	1.90	1.80	1.70	1.50	1.50	1.40	1.30	1.20	1.10
5	2.00	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.20	1.10

VP 1-E1 Project
 HORIZONTAL (ft)

VERTICAL (ft)

	1375	1385	1395	1405	1415	1425	1435
395	0.70	0.60	0.60	0.60	0.60	0.60	0.50
385	0.70	0.70	0.60	0.60	0.60	0.60	0.50
375	0.70	0.70	0.70	0.60	0.60	0.60	0.60
365	0.70	0.70	0.60	0.60	0.60	0.60	0.60
355	0.70	0.70	0.70	0.70	0.60	0.60	0.60
345	0.70	0.70	0.70	0.70	0.60	0.60	0.60
335	0.80	0.70	0.70	0.70	0.60	0.60	0.60
325	0.80	0.70	0.70	0.70	0.70	0.60	0.60
315	0.80	0.80	0.70	0.70	0.70	0.60	0.60
305	0.80	0.80	0.70	0.70	0.70	0.60	0.60
295	0.80	0.80	0.70	0.70	0.70	0.70	0.60
285	0.80	0.80	0.70	0.70	0.70	0.70	0.60
275	0.80	0.80	0.80	0.70	0.70	0.70	0.70
265	0.90	0.80	0.80	0.80	0.70	0.70	0.70
255	0.90	0.80	0.80	0.80	0.70	0.70	0.70
245	0.90	0.80	0.80	0.80	0.70	0.70	0.70
235	0.90	0.90	0.80	0.80	0.70	0.70	0.70
225	0.90	0.90	0.80	0.80	0.80	0.70	0.70
215	0.90	0.90	0.80	0.80	0.80	0.70	0.70
205	0.90	0.90	0.90	0.80	0.80	0.80	0.70
195	1.00	0.90	0.90	0.80	0.80	0.80	0.70
185	1.00	1.00	0.90	0.80	0.80	0.80	0.70
175	1.00	1.00	0.90	0.90	0.80	0.80	0.70
165	1.00	1.00	0.90	0.90	0.90	0.80	0.80
155	1.10	1.00	0.90	0.90	0.90	0.80	0.80
145	1.10	1.00	1.00	0.90	0.90	0.80	0.80
135	1.10	1.00	1.00	0.90	0.90	0.80	0.80
125	1.10	1.00	1.00	0.90	0.90	0.90	0.80
115	1.10	1.10	1.00	1.00	0.90	0.90	0.80
105	1.10	1.10	1.00	1.00	0.90	0.90	0.80
95	1.10	1.10	1.00	1.00	0.90	0.90	0.80
85	1.10	1.10	1.00	1.00	0.90	0.90	0.80
75	1.10	1.00	1.00	0.90	0.90	0.80	0.80
65	1.10	1.00	1.00	0.90	0.90	0.80	0.80
55	1.10	1.00	1.00	0.90	0.90	0.80	0.80
45	1.10	1.00	1.00	0.90	0.90	0.80	0.70
35	1.10	1.00	0.90	0.90	0.80	0.80	0.70
25	1.10	1.00	0.90	0.90	0.80	0.80	0.70
15	1.10	1.00	0.90	0.90	0.90	0.80	0.70
5	1.00	1.00	0.90	0.90	0.80	0.80	0.70

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	5	15	25	35	45	55	65	75	85	95	105	115	125
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20
345	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
335	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20
325	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.10	0.10	0.20	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30
185	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30
175	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30
165	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
155	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40
145	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40
135	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40
125	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
115	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
105	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
95	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
85	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
75	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
65	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40
55	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
45	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
35	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40
25	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40
15	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40
5	0.20	0.20	0.20	0.20	0.30	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.40

VERTICAL (ft)

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	135	145	155	165	175	185	195	205	215	225	235	245	255
395	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.10	0.10	0.10	0.10
385	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
375	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
365	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
355	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
345	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
325	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.30	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.20
265	0.20	0.20	0.30	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
255	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
245	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
235	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
225	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
215	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.30	0.40	0.40	0.30	0.30
205	0.30	0.30	0.30	0.30	0.30	0.40	0.30	0.40	0.40	0.40	0.40	0.40	0.40
195	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
185	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
175	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
165	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
155	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.40
145	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50
135	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50
125	0.40	0.40	0.40	0.40	0.50	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50
115	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
105	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
95	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
85	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
75	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
65	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.50	0.60	0.50
55	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
45	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
35	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
25	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
15	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50
5	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50

VERTICAL (ft)

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	265	275	285	295	305	315	325	335	345	355	365	375	385
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
355	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
345	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20
325	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.20
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20
225	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
215	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
205	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20
195	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20
185	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20
175	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.20	0.20
165	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.30
155	0.40	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30
145	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30
135	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30
125	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.30	0.30
115	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.30	0.30
105	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.30
95	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.30
85	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.30
75	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.30
65	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.30
55	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.40
45	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.30
35	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.30
25	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.30	0.30	0.30
15	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.30	0.30
5	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30

VERTICAL (ft)

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	395	405	415	425	435	445	455	465	475	485	495	505	515
395	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
385	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
375	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
365	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
355	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30
345	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30
325	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30
245	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.40
235	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40
225	0.20	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40
215	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40
205	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40
195	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40
185	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40
175	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40
165	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40
155	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.50
145	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.50
135	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50
125	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50
115	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50
105	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50
95	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50
85	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.60
75	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.60
65	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.60
55	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.60	0.60
45	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.60	0.60
35	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.60
25	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.60
15	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.60
5	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50

VERTICAL (ft)

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	525	535	545	555	565	575	585	595	605	615	625	635	645
395	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40
385	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40
375	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.50
365	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.50	0.50
355	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50
345	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50
335	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60
325	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.60
315	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.60	0.60
305	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.60	0.60	0.60
295	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70
285	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70
275	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70
265	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70
255	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80
245	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.70	0.70	0.70	0.80
235	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.60	0.60	0.70	0.70	0.70	0.80
225	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80
215	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.70	0.70	0.70	0.80	0.80
205	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.80
195	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.90
185	0.40	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.90
175	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.90
165	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.90	0.90
155	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.90	0.90
145	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.90	1.00
135	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.80	0.90	0.90
125	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.90	0.90	0.90
115	0.50	0.60	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00
105	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.90	1.00	1.00
95	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.90	0.90	0.90	1.00
85	0.60	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.80	0.90	0.90	0.90	1.00
75	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00
65	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00
55	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	0.90	1.00
45	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00
35	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	1.00
25	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90	0.90
15	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.90	0.90
5	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.90

VERTICAL (ft)

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	655	665	675	685	695	705	715	725	735	745	755	765	775
395	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.50	0.60	0.60
385	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60
375	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70
365	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70
355	0.50	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.80
345	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80
335	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.90
325	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.90	0.90
315	0.70	0.70	0.70	0.70	0.80	0.80	0.90	0.90	0.90	0.90	0.90	0.90	1.00
305	0.70	0.70	0.80	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00
295	0.70	0.70	0.80	0.80	0.80	0.80	0.90	0.90	0.90	1.00	1.00	1.00	1.00
285	0.70	0.80	0.80	0.80	0.90	0.90	0.90	1.00	1.00	1.00	1.10	1.10	1.10
275	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00	1.10	1.10	1.10	1.20	1.20
265	0.70	0.80	0.80	0.90	0.90	1.00	1.00	1.10	1.10	1.20	1.20	1.20	1.30
255	0.80	0.80	0.90	0.90	1.00	1.00	1.10	1.10	1.20	1.20	1.20	1.20	1.30
245	0.80	0.90	0.90	1.00	1.00	1.10	1.10	1.20	1.20	1.20	1.30	1.30	1.40
235	0.80	0.90	0.90	1.00	1.00	1.10	1.10	1.20	1.20	1.30	1.30	1.40	1.40
225	0.90	0.90	1.00	1.00	1.10	1.10	1.20	1.20	1.30	1.30	1.40	1.40	1.50
215	0.90	0.90	1.00	1.00	1.10	1.10	1.20	1.20	1.30	1.30	1.40	1.50	1.60
205	0.90	0.90	1.00	1.00	1.10	1.10	1.20	1.30	1.30	1.40	1.50	1.50	1.60
195	0.90	1.00	1.00	1.10	1.10	1.20	1.30	1.30	1.40	1.50	1.50	1.60	1.70
185	0.90	1.00	1.00	1.10	1.10	1.20	1.30	1.30	1.40	1.50	1.60	1.60	1.70
175	1.00	1.00	1.10	1.10	1.20	1.20	1.30	1.40	1.50	1.50	1.60	1.60	1.70
165	1.00	1.00	1.10	1.10	1.20	1.30	1.30	1.40	1.50	1.60	1.70	1.70	1.80
155	1.00	1.00	1.10	1.20	1.20	1.30	1.40	1.50	1.50	1.60	1.70	1.80	1.90
145	1.00	1.10	1.10	1.20	1.30	1.30	1.40	1.50	1.50	1.60	1.80	1.80	1.90
135	1.00	1.00	1.10	1.20	1.20	1.30	1.40	1.40	1.50	1.60	1.70	1.80	2.00
125	1.00	1.10	1.10	1.20	1.20	1.30	1.40	1.50	1.50	1.60	1.70	1.90	2.00
115	1.00	1.10	1.20	1.20	1.30	1.40	1.40	1.50	1.60	1.70	1.80	1.90	2.00
105	1.10	1.10	1.20	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10
95	1.00	1.10	1.20	1.20	1.30	1.40	1.50	1.50	1.60	1.70	1.80	1.90	2.10
85	1.10	1.10	1.20	1.30	1.30	1.40	1.50	1.60	1.70	1.70	1.90	2.00	2.10
75	1.10	1.10	1.20	1.30	1.30	1.40	1.50	1.60	1.70	1.80	1.90	1.90	2.10
65	1.10	1.10	1.20	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90	2.00	2.10
55	1.10	1.10	1.20	1.20	1.30	1.40	1.50	1.50	1.60	1.70	1.80	1.90	2.00
45	1.00	1.10	1.20	1.20	1.30	1.40	1.40	1.50	1.60	1.70	1.80	1.90	2.00
35	1.00	1.10	1.10	1.20	1.20	1.30	1.40	1.50	1.50	1.60	1.70	1.80	1.90
25	1.00	1.10	1.10	1.20	1.20	1.30	1.40	1.40	1.50	1.60	1.70	1.80	1.90
15	1.00	1.00	1.10	1.10	1.20	1.30	1.30	1.40	1.50	1.60	1.70	1.70	1.80
5	0.90	1.00	1.00	1.10	1.10	1.20	1.20	1.30	1.40	1.40	1.50	1.60	1.70

VERTICAL (ft)

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	785	795	805	815	825	835	845	855	865	875	885	895
395	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80
385	0.70	0.70	0.70	0.70	0.70	0.80	0.70	0.80	0.80	0.80	0.80	0.80
375	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.90	0.90
365	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90
355	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	0.90	0.90	1.00	1.00
345	0.80	0.90	0.80	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00
335	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.10
325	0.90	0.90	1.00	1.00	1.00	1.00	1.10	1.10	1.10	1.10	1.10	1.20
315	1.00	1.00	1.00	1.00	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20
305	1.00	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.30	1.30	1.30
295	1.00	1.10	1.10	1.20	1.20	1.20	1.20	1.30	1.20	1.30	1.30	1.40
285	1.10	1.10	1.20	1.20	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.50
275	1.20	1.20	1.30	1.30	1.30	1.40	1.40	1.40	1.50	1.50	1.60	1.60
265	1.30	1.30	1.30	1.40	1.40	1.40	1.50	1.50	1.60	1.60	1.60	1.70
255	1.30	1.40	1.40	1.50	1.50	1.60	1.60	1.60	1.60	1.70	1.80	1.80
245	1.40	1.40	1.50	1.50	1.60	1.60	1.70	1.70	1.80	1.80	1.80	1.90
235	1.50	1.50	1.60	1.60	1.60	1.70	1.70	1.80	1.80	1.90	1.90	2.00
225	1.50	1.60	1.60	1.70	1.70	1.80	1.90	1.90	2.00	2.00	2.10	2.20
215	1.60	1.70	1.60	1.70	1.80	1.80	1.90	1.90	2.00	2.00	2.20	2.30
205	1.70	1.70	1.80	1.90	1.90	2.00	2.00	2.00	2.10	2.20	2.30	2.40
195	1.70	1.80	1.90	1.90	2.00	2.10	2.10	2.20	2.30	2.40	2.40	2.50
185	1.80	1.80	1.90	2.00	2.10	2.20	2.20	2.40	2.40	2.50	2.60	2.70
175	1.80	1.90	2.00	2.10	2.10	2.30	2.40	2.40	2.50	2.70	2.70	2.90
165	1.90	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00
155	2.00	2.10	2.20	2.30	2.40	2.50	2.60	2.70	2.80	2.90	3.00	3.20
145	2.00	2.10	2.20	2.30	2.40	2.60	2.70	2.80	2.90	2.90	3.10	3.20
135	2.00	2.20	2.30	2.40	2.50	2.60	2.80	2.90	3.10	3.20	3.40	3.50
125	2.10	2.20	2.30	2.50	2.60	2.70	2.90	3.00	3.20	3.30	3.40	3.60
115	2.10	2.20	2.40	2.50	2.60	2.80	2.90	3.00	3.20	3.40	3.60	3.70
105	2.20	2.30	2.40	2.60	2.70	2.80	3.00	3.10	3.30	3.40	3.60	3.80
95	2.20	2.30	2.40	2.50	2.60	2.80	3.00	3.20	3.30	3.50	3.70	3.80
85	2.20	2.30	2.40	2.60	2.70	2.90	3.10	3.20	3.30	3.50	3.70	3.90
75	2.20	2.30	2.40	2.60	2.80	2.90	3.00	3.10	3.30	3.50	3.70	3.90
65	2.10	2.30	2.40	2.50	2.70	2.90	3.00	3.20	3.30	3.50	3.70	3.80
55	2.10	2.30	2.40	2.50	2.70	2.80	3.00	3.10	3.30	3.40	3.60	3.80
45	2.10	2.20	2.30	2.40	2.60	2.70	2.90	3.00	3.20	3.30	3.60	3.70
35	2.00	2.10	2.20	2.40	2.50	2.60	2.70	2.90	3.00	3.20	3.30	3.50
25	2.00	2.10	2.20	2.30	2.40	2.60	2.70	2.80	3.00	3.10	3.30	3.40
15	1.90	2.00	2.10	2.30	2.40	2.50	2.70	2.80	2.90	3.10	3.20	3.30
5	1.80	1.80	1.90	2.00	2.10	2.20	2.30	2.50	2.60	2.70	2.80	3.00

VERTICAL (ft)

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)

VERTICAL (ft)

	905	915	925	935	945	955	965	975	985	995	1005	1015
395	0.80	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00
385	0.80	0.90	0.90	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00
375	0.90	0.90	0.90	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.10
365	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.10
355	1.00	1.00	1.00	1.10	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20
345	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.30	1.30	1.30	1.30
335	1.10	1.10	1.20	1.20	1.20	1.20	1.30	1.30	1.30	1.30	1.30	1.30
325	1.20	1.20	1.20	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40	1.40
315	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.50	1.50	1.50	1.50
305	1.40	1.40	1.40	1.40	1.40	1.50	1.50	1.50	1.60	1.60	1.60	1.60
295	1.30	1.50	1.50	1.40	1.40	1.60	1.50	1.50	1.70	1.70	1.70	1.70
285	1.50	1.60	1.60	1.70	1.70	1.70	1.70	1.70	1.80	1.80	1.80	1.80
275	1.70	1.60	1.70	1.70	1.80	1.80	1.80	1.90	2.00	1.90	2.00	2.00
265	1.80	1.80	1.80	1.90	1.90	2.00	2.00	2.00	2.10	2.10	2.10	2.10
255	1.90	1.90	1.90	2.00	2.00	2.10	2.10	2.20	2.20	2.20	2.20	2.20
245	2.00	2.00	2.10	2.10	2.20	2.20	2.20	2.30	2.30	2.40	2.40	2.40
235	2.10	2.10	2.20	2.20	2.30	2.40	2.40	2.40	2.50	2.50	2.50	2.50
225	2.30	2.30	2.30	2.40	2.50	2.50	2.60	2.60	2.70	2.70	2.70	2.70
215	2.40	2.40	2.50	2.60	2.70	2.70	2.70	2.80	2.90	2.90	2.90	2.90
205	2.50	2.50	2.60	2.70	2.80	2.90	2.90	2.90	3.00	3.10	3.10	3.10
195	2.70	2.70	2.80	2.80	2.90	3.00	3.10	3.10	3.20	3.30	3.30	3.30
185	2.90	2.90	2.90	3.00	3.10	3.20	3.30	3.40	3.40	3.50	3.50	3.50
175	3.00	3.10	3.10	3.20	3.30	3.40	3.40	3.60	3.50	3.70	3.70	3.70
165	3.10	3.20	3.30	3.40	3.50	3.60	3.70	3.80	3.90	3.90	4.00	3.90
155	3.30	3.40	3.50	3.60	3.70	3.80	3.90	4.00	4.00	4.10	4.10	4.20
145	3.30	3.50	3.60	3.80	3.80	4.00	4.10	4.20	4.20	4.30	4.30	4.30
135	3.60	3.70	3.80	4.00	4.10	4.20	4.30	4.40	4.50	4.50	4.60	4.60
125	3.70	3.80	3.90	4.00	4.20	4.40	4.40	4.60	4.70	4.70	4.80	4.80
115	3.80	4.00	4.10	4.20	4.40	4.50	4.60	4.80	4.80	4.90	4.90	5.00
105	3.90	4.10	4.20	4.40	4.50	4.60	4.70	4.90	5.00	5.00	5.10	5.10
95	4.00	4.20	4.30	4.50	4.60	4.70	4.90	5.00	5.10	5.10	5.10	5.20
85	4.00	4.20	4.40	4.50	4.70	4.70	4.90	5.00	5.10	5.10	5.20	5.30
75	4.00	4.20	4.40	4.50	4.60	4.70	4.80	5.00	5.10	5.10	5.20	5.30
65	4.00	4.20	4.30	4.50	4.60	4.70	4.90	5.00	5.00	5.10	5.20	5.20
55	3.90	4.10	4.20	4.40	4.50	4.70	4.80	4.90	4.90	5.10	5.10	5.10
45	3.90	4.00	4.10	4.30	4.40	4.50	4.60	4.80	4.90	4.90	5.00	5.00
35	3.70	3.80	4.00	4.10	4.20	4.40	4.50	4.60	4.70	4.70	4.80	4.70
25	3.50	3.70	3.90	4.10	4.10	4.30	4.40	4.60	4.60	4.70	4.70	4.70
15	3.50	3.60	3.80	4.00	4.10	4.20	4.30	4.40	4.50	4.60	4.60	4.60
5	3.10	3.30	3.40	3.60	3.60	3.80	3.90	4.00	4.00	4.10	4.20	4.20

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	1025	1035	1045	1055	1065	1075	1085	1095	1105	1115	1125	1135
395	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.10	1.10	1.10	1.10
385	1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
375	1.10	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
365	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
355	1.20	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
345	1.30	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40	1.30	1.30
335	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
325	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
315	1.50	1.50	1.50	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.50
305	1.60	1.60	1.60	1.60	1.60	1.70	1.60	1.60	1.60	1.60	1.60	1.60
295	1.70	1.80	1.70	1.80	1.80	1.80	1.70	1.80	1.70	1.70	1.70	1.70
285	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.80	1.80
275	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.90	1.90
265	2.10	2.10	2.20	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.00	2.00
255	2.30	2.30	2.30	2.30	2.30	2.30	2.20	2.20	2.20	2.20	2.10	2.10
245	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.30	2.30	2.20	2.20
235	2.60	2.60	2.60	2.60	2.60	2.60	2.50	2.50	2.50	2.50	2.40	2.30
225	2.70	2.70	2.70	2.80	2.80	2.80	2.70	2.70	2.70	2.60	2.50	2.50
215	2.90	3.00	3.00	3.00	2.90	2.90	2.90	2.90	2.80	2.80	2.70	2.60
205	3.10	3.10	3.20	3.10	3.10	3.10	3.10	3.00	3.00	2.90	2.90	2.80
195	3.30	3.30	3.30	3.30	3.30	3.30	3.30	3.20	3.20	3.10	3.10	2.90
185	3.50	3.50	3.60	3.50	3.50	3.50	3.50	3.40	3.40	3.30	3.20	3.10
175	3.70	3.70	3.70	3.70	3.70	3.60	3.60	3.50	3.60	3.40	3.20	3.20
165	4.00	4.00	4.00	4.00	3.90	3.90	3.90	3.80	3.70	3.60	3.50	3.40
155	4.20	4.20	4.20	4.20	4.20	4.10	4.00	4.00	3.90	3.80	3.70	3.60
145	4.40	4.30	4.40	4.40	4.40	4.30	4.20	4.20	4.10	3.80	3.90	3.70
135	4.60	4.50	4.60	4.60	4.50	4.50	4.40	4.40	4.30	4.20	4.10	3.90
125	4.80	4.80	4.80	4.80	4.70	4.60	4.60	4.50	4.40	4.30	4.20	4.00
115	5.00	4.90	5.00	4.90	4.90	4.80	4.70	4.70	4.60	4.40	4.30	4.10
105	5.10	5.10	5.10	5.00	5.00	4.90	4.80	4.80	4.60	4.50	4.40	4.20
95	5.20	5.20	5.20	5.10	5.10	5.00	4.90	4.80	4.70	4.60	4.50	4.20
85	5.30	5.30	5.20	5.20	5.10	5.10	4.90	4.80	4.70	4.70	4.50	4.20
75	5.30	5.30	5.20	5.10	5.10	5.10	4.90	4.80	4.70	4.60	4.40	4.20
65	5.20	5.30	5.10	5.10	5.00	5.00	4.90	4.70	4.60	4.50	4.30	4.20
55	5.10	5.10	5.10	5.00	5.00	4.90	4.90	4.70	4.60	4.40	4.20	4.10
45	5.00	5.00	5.00	4.90	4.90	4.80	4.70	4.60	4.50	4.20	4.20	4.00
35	4.80	4.80	4.80	4.80	4.80	4.70	4.60	4.50	4.30	4.20	4.10	3.90
25	4.80	4.70	4.80	4.70	4.70	4.60	4.50	4.40	4.30	4.20	4.00	3.80
15	4.70	4.70	4.60	4.60	4.60	4.50	4.40	4.30	4.20	4.10	3.90	3.80
5	4.20	4.20	4.20	4.10	4.10	4.00	4.00	3.90	3.80	3.70	3.50	3.40

VERTICAL (ft)

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	1145	1155	1165	1175	1185	1195	1205	1215	1225	1235	1245	1255	1265
395	1.10	1.10	1.00	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.90	0.90	0.90
385	1.10	1.10	1.10	1.10	1.10	1.10	1.00	1.00	1.00	1.00	1.00	1.00	0.90
375	1.20	1.20	1.20	1.20	1.20	1.10	1.10	1.10	1.00	1.00	1.00	1.00	0.90
365	1.20	1.20	1.20	1.20	1.20	1.20	1.10	1.10	1.10	1.10	1.00	1.00	1.00
355	1.30	1.30	1.30	1.20	1.20	1.20	1.20	1.20	1.20	1.10	1.10	1.10	1.00
345	1.30	1.30	1.30	1.30	1.30	1.30	1.20	1.20	1.20	1.20	1.10	1.10	1.10
335	1.40	1.40	1.40	1.30	1.30	1.30	1.30	1.20	1.20	1.20	1.20	1.10	1.10
325	1.50	1.40	1.40	1.40	1.40	1.40	1.30	1.30	1.30	1.20	1.20	1.20	1.10
315	1.50	1.50	1.50	1.50	1.40	1.40	1.40	1.40	1.30	1.30	1.20	1.20	1.20
305	1.60	1.60	1.50	1.50	1.50	1.40	1.40	1.40	1.30	1.30	1.30	1.20	1.20
295	1.60	1.70	1.50	1.60	1.60	1.50	1.50	1.40	1.30	1.30	1.30	1.30	1.20
285	1.80	1.70	1.70	1.70	1.60	1.60	1.50	1.50	1.50	1.40	1.40	1.30	1.30
275	1.90	1.80	1.80	1.70	1.70	1.70	1.60	1.60	1.50	1.50	1.40	1.40	1.30
265	2.00	1.90	1.90	1.80	1.80	1.80	1.70	1.60	1.60	1.50	1.50	1.40	1.40
255	2.00	2.00	2.00	1.90	1.90	1.80	1.80	1.70	1.60	1.60	1.50	1.40	1.40
245	2.20	2.10	2.10	2.00	1.90	1.90	1.80	1.80	1.70	1.60	1.60	1.50	1.40
235	2.30	2.20	2.20	2.10	2.00	2.00	1.90	1.80	1.80	1.70	1.60	1.60	1.50
225	2.40	2.40	2.30	2.20	2.20	2.10	2.00	1.90	1.80	1.80	1.70	1.60	1.50
215	2.50	2.50	2.40	2.40	2.30	2.20	2.10	2.00	1.90	1.80	1.80	1.70	1.60
205	2.70	2.60	2.60	2.40	2.40	2.30	2.20	2.10	2.00	1.90	1.80	1.70	1.60
195	2.90	2.80	2.70	2.60	2.50	2.40	2.30	2.20	2.10	2.00	1.90	1.80	1.70
185	3.00	2.90	2.80	2.70	2.60	2.50	2.40	2.30	2.20	2.00	2.00	1.90	1.80
175	3.10	3.00	2.80	2.80	2.70	2.60	2.40	2.40	2.20	2.10	2.00	1.90	1.70
165	3.30	3.20	3.10	3.00	2.80	2.70	2.60	2.40	2.30	2.20	2.10	2.00	1.90
155	3.50	3.30	3.20	3.00	3.00	2.80	2.70	2.60	2.40	2.30	2.20	2.10	1.90
145	3.60	3.50	3.30	3.20	3.00	2.90	2.80	2.60	2.50	2.40	2.20	2.10	2.00
135	3.70	3.60	3.40	3.30	3.20	3.00	2.90	2.70	2.60	2.40	2.30	2.10	2.00
125	3.80	3.70	3.60	3.40	3.20	3.10	2.90	2.80	2.60	2.50	2.30	2.20	2.10
115	4.00	3.80	3.60	3.40	3.20	3.10	3.00	2.80	2.70	2.50	2.40	2.20	2.10
105	4.00	3.90	3.70	3.50	3.30	3.20	3.00	2.80	2.70	2.50	2.40	2.20	2.10
95	4.10	3.90	3.70	3.50	3.40	3.20	3.00	2.90	2.70	2.50	2.40	2.20	2.10
85	4.10	3.90	3.70	3.60	3.40	3.20	3.10	2.90	2.70	2.50	2.30	2.20	2.10
75	4.00	3.90	3.70	3.50	3.30	3.20	3.00	2.80	2.70	2.50	2.40	2.20	2.10
65	3.90	3.80	3.60	3.50	3.30	3.10	2.90	2.80	2.60	2.50	2.30	2.20	2.10
55	3.90	3.70	3.50	3.50	3.30	3.10	2.90	2.80	2.60	2.50	2.30	2.20	2.10
45	3.90	3.70	3.60	3.40	3.20	3.00	2.90	2.70	2.60	2.40	2.30	2.10	2.00
35	3.70	3.60	3.40	3.30	3.10	3.00	2.80	2.60	2.50	2.40	2.20	2.10	2.00
25	3.70	3.60	3.40	3.20	3.10	2.90	2.80	2.60	2.50	2.40	2.20	2.10	1.90
15	3.60	3.50	3.30	3.20	3.00	2.80	2.70	2.50	2.40	2.30	2.10	2.00	1.90
5	3.30	3.10	2.90	2.80	2.60	2.50	2.30	2.20	2.00	1.90	1.80	1.70	1.60

VERTICAL (ft)

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	1275	1285	1295	1305	1315	1325	1335	1345	1355	1365	1375	1385
395	0.90	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.60
385	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70
375	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70
365	0.90	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.70	0.70	0.70	0.60
355	1.00	1.00	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.80	0.70	0.70
345	1.00	1.00	1.00	1.00	0.90	0.90	0.80	0.80	0.80	0.80	0.70	0.70
335	1.10	1.00	1.00	0.90	0.90	0.90	0.90	0.90	0.80	0.80	0.70	0.70
325	1.10	1.10	1.10	1.00	0.90	0.90	0.90	0.80	0.80	0.80	0.70	0.70
315	1.10	1.10	1.10	1.00	1.00	0.90	0.90	0.90	0.80	0.80	0.80	0.70
305	1.20	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.90	0.80	0.80	0.80
295	1.20	1.20	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.80	0.80	0.80
285	1.20	1.20	1.10	1.10	1.10	1.00	1.00	0.90	0.90	0.90	0.80	0.80
275	1.30	1.20	1.20	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.90	0.80
265	1.30	1.30	1.20	1.20	1.10	1.10	1.00	1.00	0.90	0.90	0.90	0.80
255	1.30	1.30	1.20	1.20	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.80
245	1.40	1.30	1.30	1.20	1.20	1.10	1.10	1.00	1.00	0.90	0.90	0.90
235	1.40	1.40	1.30	1.20	1.20	1.10	1.10	1.00	1.00	0.90	0.90	0.90
225	1.50	1.40	1.40	1.30	1.20	1.20	1.10	1.10	1.00	1.00	0.90	0.90
215	1.50	1.40	1.40	1.30	1.30	1.20	1.10	1.10	1.00	1.00	0.90	0.90
205	1.60	1.50	1.40	1.40	1.30	1.20	1.20	1.10	1.10	1.00	1.00	0.90
195	1.60	1.50	1.50	1.40	1.30	1.30	1.20	1.20	1.10	1.00	1.00	0.90
185	1.70	1.60	1.50	1.40	1.40	1.30	1.20	1.20	1.10	1.10	1.00	1.00
175	1.70	1.60	1.50	1.50	1.30	1.30	1.20	1.20	1.10	1.00	1.00	1.00
165	1.80	1.70	1.60	1.50	1.40	1.30	1.30	1.20	1.10	1.10	1.00	1.00
155	1.80	1.70	1.60	1.60	1.50	1.40	1.30	1.20	1.20	1.10	1.10	1.00
145	1.90	1.70	1.60	1.60	1.50	1.40	1.30	1.30	1.20	1.10	1.10	1.00
135	1.90	1.80	1.70	1.60	1.50	1.40	1.40	1.30	1.20	1.20	1.10	1.00
125	1.90	1.80	1.70	1.60	1.50	1.50	1.40	1.30	1.20	1.10	1.10	1.00
115	2.00	1.90	1.70	1.60	1.60	1.50	1.40	1.30	1.20	1.20	1.10	1.00
105	2.00	1.80	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.20	1.10	1.10
95	2.00	1.80	1.70	1.70	1.60	1.50	1.40	1.30	1.20	1.20	1.10	1.00
85	1.90	1.80	1.70	1.70	1.50	1.50	1.40	1.30	1.20	1.20	1.10	1.00
75	2.00	1.80	1.70	1.60	1.50	1.40	1.40	1.30	1.20	1.10	1.10	1.00
65	2.00	1.80	1.70	1.60	1.50	1.40	1.30	1.30	1.20	1.10	1.10	1.00
55	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.30	1.20	1.10	1.00	1.00
45	1.90	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.20	1.10	1.00	1.00
35	1.90	1.80	1.70	1.60	1.40	1.40	1.30	1.20	1.10	1.10	1.00	0.90
25	1.90	1.80	1.70	1.50	1.50	1.40	1.30	1.20	1.10	1.10	1.00	0.90
15	1.80	1.70	1.60	1.50	1.40	1.30	1.20	1.10	1.10	1.00	0.90	0.90
5	1.50	1.40	1.30	1.20	1.20	1.10	1.00	0.90	0.90	0.80	0.80	0.70

VERTICAL (ft)

VP 1-E1 Project with Deck Concept

HORIZONTAL (ft)	1395	1405	1415	1425	1435
395	0.60	0.60	0.60	0.50	0.50
385	0.70	0.60	0.60	0.60	0.50
375	0.60	0.60	0.60	0.60	0.60
365	0.60	0.60	0.60	0.60	0.50
355	0.70	0.60	0.60	0.60	0.60
345	0.70	0.60	0.60	0.60	0.60
335	0.70	0.70	0.60	0.60	0.60
325	0.70	0.70	0.60	0.60	0.60
315	0.70	0.70	0.70	0.60	0.60
305	0.70	0.70	0.70	0.70	0.60
295	0.70	0.70	0.70	0.70	0.60
285	0.80	0.70	0.70	0.70	0.60
275	0.80	0.70	0.70	0.70	0.60
265	0.80	0.80	0.70	0.70	0.70
255	0.80	0.80	0.70	0.70	0.70
245	0.80	0.80	0.70	0.70	0.70
235	0.80	0.80	0.80	0.70	0.70
225	0.80	0.80	0.80	0.70	0.70
215	0.80	0.80	0.80	0.70	0.70
205	0.90	0.80	0.80	0.80	0.70
195	0.90	0.80	0.80	0.80	0.70
185	0.90	0.80	0.80	0.80	0.70
175	0.90	0.90	0.80	0.80	0.70
165	0.90	0.90	0.90	0.80	0.80
155	0.90	0.90	0.90	0.80	0.80
145	1.00	0.90	0.90	0.80	0.80
135	1.00	0.90	0.90	0.80	0.80
125	1.00	0.90	0.90	0.80	0.80
115	1.00	0.90	0.90	0.90	0.80
105	1.00	1.00	0.90	0.90	0.80
95	1.00	1.00	0.90	0.90	0.80
85	1.00	0.90	0.90	0.90	0.80
75	0.90	0.90	0.90	0.80	0.80
65	0.90	0.90	0.90	0.80	0.80
55	0.90	0.90	0.80	0.80	0.70
45	0.90	0.80	0.80	0.80	0.70
35	0.90	0.80	0.80	0.70	0.70
25	0.90	0.80	0.80	0.70	0.70
15	0.80	0.80	0.80	0.70	0.70
5	0.70	0.70	0.60	0.60	0.60

VERTICAL (ft)

VP 1-E2 Project

HORIZONTAL (ft)	135	145	155	165	175	185	195	205	215	225	235	245	255
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.20
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.20
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
255	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
235	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
155	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
115	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
105	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
85	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
75	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
65	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
55	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
45	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
35	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
25	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20
15	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
5	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20

VERTICAL (ft)

VP 1-E2 Project

HORIZONTAL (ft)	935	945	955	965	975	985	995	1005	1015	1025	1035	1045	1055
395	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
385	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
375	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
365	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
355	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60
345	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60
335	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60
325	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
315	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.50	0.60	0.60	0.60
305	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
295	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
285	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
275	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
265	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
255	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70
245	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70
235	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70
225	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.60	0.70	0.70	0.70	0.70
215	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.60	0.70	0.70	0.70	0.70	0.70
205	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70
195	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70
185	0.60	0.60	0.70	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
175	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
165	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
155	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
145	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
135	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
125	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
115	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
105	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.70
95	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80
85	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80
75	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80
65	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80
55	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
45	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
35	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
25	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
15	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
5	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70

VERTICAL (ft)

VP 1-E2 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1065	1075	1085	1095	1105	1115	1125	1135	1145	1155	1165	1175	1185	1195
395	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60
385	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
375	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60
365	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
355	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
345	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
335	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
325	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
315	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
305	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
295	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.60	0.70
285	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.60	0.70	0.70	0.70	0.70
275	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
265	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
255	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
245	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
235	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
225	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
215	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.70	0.80	0.80	0.80	0.80
205	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.70	0.80	0.80	0.80
195	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80
185	0.70	0.70	0.70	0.70	0.80	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
175	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
165	0.70	0.70	0.70	0.80	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
155	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
145	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
135	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
125	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
115	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
105	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
95	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
85	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
75	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
65	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
55	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
45	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
35	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
25	0.70	0.70	0.70	0.70	0.70	0.80	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80
15	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.70	0.80	0.70
5	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.70	0.70	0.70	0.70

VP 1-E2 Project

HORIZONTAL (ft)	1205	1215	1225	1235	1245	1255	1265	1275	1285	1295	1305	1315	1325	1335
395	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.60	0.50	0.50	0.50	0.50	0.50
385	0.50	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
375	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50
365	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.60
355	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
345	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
335	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
325	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
315	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
305	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
295	0.60	0.70	0.70	0.60	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
285	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.70	0.60	0.60	0.60	0.60	0.60
275	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60
265	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60
255	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
245	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
235	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
225	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
215	0.80	0.80	0.70	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
205	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
195	0.80	0.80	0.80	0.80	0.80	0.70	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70
185	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70
175	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70
165	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70
155	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70
145	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70
135	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70
125	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70
115	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70
105	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70
95	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70
85	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70
75	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70
65	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70
55	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70
45	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70
35	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
25	0.80	0.80	0.80	0.70	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
15	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
5	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70

VERTICAL (ft)

VP 1-E2 Project
HORIZONTAL (ft)

VERTICAL (ft)

	1485	1495	1505	1515	1525	1535	1545	1555	1565	1575	1585	1595
395	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30
385	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30
375	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
365	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
355	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
345	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
335	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
325	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
315	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
305	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
295	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
285	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40
275	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40
265	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40
255	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40
245	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
235	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
225	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
215	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
205	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
195	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
185	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
175	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
165	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
155	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
145	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
135	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
125	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
115	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
105	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
95	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
85	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
75	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
65	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
55	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
45	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
35	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
25	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
15	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
5	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40

VP 1-E2 Project with Deck Concept

HORIZONTAL (ft)	135	145	155	165	175	185	195	205	215	225	235	245
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
285	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10
275	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20
265	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20
255	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20
245	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
235	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
225	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
155	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
115	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
105	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
85	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
75	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
65	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
55	0.10	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20
45	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
35	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
25	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20
15	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20
5	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20

VERTICAL (ft)

VP 1-E2 Project with Deck Concept

HORIZONTAL (ft)	255	265	275	285	295	305	315	325	335	345	355	365
395	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.20
385	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20
375	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20
365	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.10	0.20	0.20	0.20	0.20
355	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
345	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
335	0.10	0.10	0.10	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
325	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.20	0.20	0.20	0.20	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
115	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
105	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
85	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
65	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
55	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
45	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
35	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
25	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
15	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
5	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

VERTICAL (ft)

VP 1-E2 Project with Deck Concept

HORIZONTAL (ft)		645	655	665	675	685	695	705	715	725	735	745	755	765	775
VERTICAL (ft)	395	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
	385	0.30	0.20	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
	375	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
	365	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
	355	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
	345	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40
	335	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40
	325	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40
	315	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40
	305	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40
	295	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.30	0.40	0.40	0.40	0.40
	285	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	275	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	265	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	255	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	245	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	235	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	225	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	215	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	205	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
195	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
185	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
175	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
165	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
155	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	
145	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
135	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
125	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
115	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
105	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	
95	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	
85	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
75	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
65	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
55	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
45	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
35	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
25	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
15	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	
5	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	

VP 1-E2 Project with Deck Concept

HORIZONTAL (ft)		785	795	805	815	825	835	845	855	865	875	885	895	905	915
VERTICAL (ft)	395	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	385	0.30	0.30	0.30	0.30	0.40	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	375	0.30	0.40	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	365	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50
	355	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
	345	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50
	335	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50
	325	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50
	315	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50
	305	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	295	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.40	0.50	0.50	0.50	0.50	0.50	0.50
	285	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	275	0.40	0.40	0.40	0.50	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	265	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
	255	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60
	245	0.50	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60
	235	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60
	225	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.50	0.60
	215	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60
	205	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60
195	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	
185	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	
175	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	
165	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	
155	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	
145	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	
135	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	
125	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	
115	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	
105	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	
95	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	
85	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	
75	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	
65	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	
55	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	
45	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	
35	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	
25	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	
15	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	
5	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	

VP 1-E2 Project with Deck Concept

HORIZONTAL (ft)	925	935	945	955	965	975	985	995	1005	1015	1025	1035	1045
395	0.40	0.40	0.50	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
385	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.40	0.40	0.50	0.50
375	0.40	0.40	0.50	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
365	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
355	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
345	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
335	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
325	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60
315	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
305	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60
295	0.50	0.50	0.50	0.50	0.60	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60
285	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
275	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
265	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
255	0.60	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
245	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
235	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70
225	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.60	0.60
215	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70
205	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70
195	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70
185	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
175	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
165	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
155	0.60	0.60	0.60	0.70	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
145	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
135	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
125	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
115	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
105	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
95	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
85	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
65	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
55	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
45	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
35	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
25	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
15	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
5	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70

VERTICAL (ft)

VP 1-E2 Project with Deck Concept

HORIZONTAL (ft)	1055	1065	1075	1085	1095	1105	1115	1125	1135	1145	1155	1165	1175
395	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
385	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
375	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
365	0.50	0.50	0.50	0.50	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50
355	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.50	0.60	0.60
345	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
335	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60
325	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
315	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
305	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
295	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
285	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70
275	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70
265	0.60	0.60	0.60	0.60	0.70	0.70	0.60	0.70	0.60	0.70	0.70	0.70	0.70
255	0.60	0.70	0.60	0.70	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
245	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
235	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
225	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
215	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
205	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
195	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80
185	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80
175	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.70	0.70	0.80	0.80	0.80	0.80
165	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.70	0.80	0.80	0.80	0.80	0.80
155	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80
145	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
135	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
125	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
115	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
105	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
95	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
85	0.70	0.70	0.80	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
75	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
65	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
55	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
45	0.70	0.70	0.70	0.80	0.80	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80
35	0.70	0.70	0.70	0.70	0.80	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80
25	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.80	0.80	0.80
15	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.80	0.70	0.70	0.70
5	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70

VERTICAL (ft)

VP 1-E2 Project with Deck Concept

HORIZONTAL (ft)	1185	1195	1205	1215	1225	1235	1245	1255	1265	1275	1285	1295	1305
395	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50
385	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
375	0.50	0.50	0.60	0.50	0.50	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50
365	0.60	0.60	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
355	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50
345	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
335	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
325	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
315	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
305	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
295	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
285	0.70	0.60	0.70	0.70	0.60	0.60	0.60	0.70	0.60	0.60	0.60	0.60	0.60
275	0.70	0.70	0.70	0.70	0.70	0.60	0.70	0.60	0.60	0.60	0.60	0.60	0.60
265	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.70	0.70	0.70	0.60	0.60
255	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
245	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60
235	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
225	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
215	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
205	0.70	0.70	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
195	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70
185	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70
175	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.80	0.80	0.70	0.70
165	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70
155	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70
145	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70
135	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70
125	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70
115	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70
105	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70
95	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70
85	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.80	0.70	0.70	0.70	0.70	0.70
75	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70
65	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70
55	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
45	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70
35	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70
25	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
15	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
5	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70

VERTICAL (ft)

VP 1-E2 Project with Deck Concept

HORIZONTAL (ft)	1315	1325	1335	1345	1355	1365	1375	1385	1395	1405	1415	1425	1435
395	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
385	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
375	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
365	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
355	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
345	0.60	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
335	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
325	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50
315	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
305	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
295	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50
285	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50
275	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50
265	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50
255	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50
245	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50
235	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
225	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
215	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
205	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
195	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60
185	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60
175	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60
165	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60
155	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60
145	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60
135	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60
125	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60
115	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60
105	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60
95	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60
85	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60
75	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60
65	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60
55	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60
45	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60
35	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60
25	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
15	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
5	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60

VERTICAL (ft)

VP 1-E2 Project with Deck Concept

HORIZONTAL (ft)	1445	1455	1465	1475	1485	1495	1505	1515	1525	1535	1545	1555	1565
395	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
385	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30
375	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
365	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
355	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
345	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
335	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
325	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
315	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
305	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
295	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40
285	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
275	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40
265	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
255	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
245	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
235	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
225	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
215	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
205	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
195	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
185	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
175	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
165	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
155	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
145	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
135	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
125	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
115	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
105	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
95	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
85	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
75	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
65	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
55	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
45	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
35	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
25	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
15	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
5	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40

VERTICAL (ft)

VP 1-E2 Project with Deck Concept

HORIZONTAL (ft)	1575	1585	1595	1605	1615	1625	1635
395	0.30	0.40	0.30	0.30	0.30	0.30	0.30
385	0.30	0.30	0.30	0.30	0.30	0.30	0.30
375	0.40	0.30	0.30	0.30	0.30	0.30	0.30
365	0.40	0.40	0.30	0.30	0.30	0.30	0.30
355	0.40	0.40	0.40	0.30	0.30	0.30	0.30
345	0.40	0.40	0.30	0.30	0.30	0.30	0.30
335	0.40	0.40	0.40	0.40	0.30	0.30	0.30
325	0.40	0.40	0.40	0.40	0.40	0.30	0.30
315	0.40	0.40	0.40	0.40	0.40	0.30	0.30
305	0.40	0.40	0.40	0.40	0.40	0.40	0.40
295	0.40	0.40	0.40	0.40	0.40	0.40	0.30
285	0.40	0.40	0.40	0.40	0.40	0.40	0.40
275	0.40	0.40	0.40	0.40	0.40	0.40	0.40
265	0.40	0.40	0.40	0.40	0.40	0.40	0.40
255	0.40	0.40	0.40	0.40	0.40	0.40	0.40
245	0.40	0.40	0.40	0.40	0.40	0.40	0.40
235	0.40	0.40	0.40	0.40	0.40	0.40	0.40
225	0.40	0.40	0.40	0.40	0.40	0.40	0.40
215	0.40	0.40	0.40	0.40	0.40	0.40	0.40
205	0.40	0.40	0.40	0.40	0.40	0.40	0.40
195	0.50	0.40	0.40	0.40	0.40	0.40	0.40
185	0.40	0.40	0.40	0.40	0.40	0.40	0.40
175	0.50	0.40	0.40	0.40	0.40	0.40	0.40
165	0.40	0.40	0.40	0.40	0.40	0.40	0.40
155	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	0.40	0.40	0.40	0.40	0.40	0.40	0.40
135	0.40	0.40	0.40	0.40	0.40	0.40	0.40
125	0.40	0.40	0.40	0.40	0.40	0.40	0.40
115	0.40	0.50	0.40	0.40	0.40	0.40	0.40
105	0.40	0.40	0.40	0.40	0.40	0.40	0.40
95	0.50	0.50	0.40	0.40	0.40	0.40	0.40
85	0.50	0.40	0.40	0.40	0.40	0.40	0.40
75	0.40	0.40	0.40	0.40	0.40	0.40	0.40
65	0.40	0.40	0.40	0.40	0.40	0.40	0.40
55	0.50	0.40	0.40	0.40	0.40	0.40	0.40
45	0.40	0.40	0.40	0.40	0.40	0.40	0.40
35	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25	0.40	0.40	0.40	0.40	0.40	0.40	0.40
15	0.40	0.40	0.40	0.40	0.40	0.40	0.40
5	0.40	0.40	0.40	0.40	0.40	0.40	0.40

VERTICAL (ft)

VP 1-E2a Project
HORIZONTAL
(ft)

VERTICAL (ft)

	1605	1615	1625	1635
395	0.30	0.30	0.30	0.30
385	0.30	0.30	0.30	0.30
375	0.30	0.30	0.30	0.30
365	0.40	0.30	0.30	0.30
355	0.40	0.40	0.40	0.30
345	0.40	0.40	0.30	0.30
335	0.40	0.40	0.40	0.40
325	0.40	0.40	0.40	0.40
315	0.40	0.40	0.40	0.30
305	0.40	0.40	0.40	0.40
295	0.40	0.40	0.40	0.40
285	0.40	0.40	0.40	0.40
275	0.40	0.40	0.40	0.40
265	0.40	0.40	0.40	0.40
255	0.40	0.40	0.40	0.40
245	0.40	0.40	0.40	0.40
235	0.40	0.40	0.40	0.40
225	0.40	0.40	0.40	0.40
215	0.40	0.40	0.40	0.40
205	0.40	0.40	0.40	0.40
195	0.40	0.40	0.40	0.40
185	0.40	0.40	0.40	0.40
175	0.40	0.40	0.40	0.40
165	0.40	0.40	0.40	0.40
155	0.40	0.40	0.40	0.40
145	0.40	0.40	0.40	0.40
135	0.40	0.40	0.40	0.40
125	0.40	0.40	0.40	0.40
115	0.40	0.40	0.40	0.40
105	0.40	0.40	0.40	0.40
95	0.40	0.40	0.40	0.40
85	0.40	0.40	0.40	0.40
75	0.40	0.40	0.40	0.40
65	0.40	0.40	0.40	0.40
55	0.40	0.40	0.40	0.40
45	0.40	0.40	0.40	0.40
35	0.40	0.40	0.40	0.40
25	0.40	0.40	0.40	0.40
15	0.40	0.40	0.40	0.40
5	0.40	0.40	0.40	0.40

VP 1-S1

HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75	85	95	105	115	125
395	0.50	0.40	0.30	0.30	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10
385	1.00	0.60	0.40	0.30	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10
375	1.90	0.90	0.50	0.30	0.30	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10
365	2.40	1.00	0.60	0.40	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
355	1.90	0.90	0.50	0.40	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10
345	1.10	0.60	0.40	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
335	0.60	0.40	0.40	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
325	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
305	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.10
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.70	0.40	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	1.10	0.50	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	1.10	0.50	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.70	0.40	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.40	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.20	0.20	0.20	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
155	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
115	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
105	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
85	0.00	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
75	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
65	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
55	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
45	0.00	0.00	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20
35	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
25	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
15	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
5	0.00	0.00	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

VP 1-S1
 HORIZONTAL (ft)

VERTICAL (ft)

	135	145	155	165	175
395	0.10	0.10	0.10	0.10	0.10
385	0.10	0.10	0.10	0.10	0.10
375	0.10	0.10	0.10	0.10	0.10
365	0.10	0.10	0.10	0.10	0.10
355	0.10	0.10	0.10	0.10	0.10
345	0.10	0.10	0.10	0.10	0.10
335	0.10	0.10	0.10	0.10	0.10
325	0.10	0.10	0.10	0.10	0.10
315	0.10	0.10	0.10	0.10	0.10
305	0.10	0.10	0.10	0.10	0.10
295	0.10	0.10	0.10	0.10	0.10
285	0.20	0.20	0.10	0.10	0.10
275	0.20	0.10	0.10	0.10	0.10
265	0.20	0.20	0.10	0.10	0.10
255	0.20	0.20	0.20	0.10	0.10
245	0.20	0.20	0.20	0.20	0.10
235	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.20	0.20	0.20
215	0.20	0.20	0.20	0.20	0.20
205	0.20	0.20	0.20	0.20	0.20
195	0.20	0.20	0.20	0.20	0.20
185	0.20	0.20	0.20	0.20	0.20
175	0.20	0.20	0.20	0.20	0.20
165	0.20	0.20	0.20	0.20	0.20
155	0.20	0.20	0.20	0.20	0.20
145	0.20	0.20	0.20	0.20	0.20
135	0.20	0.20	0.20	0.20	0.20
125	0.20	0.20	0.20	0.20	0.20
115	0.20	0.20	0.20	0.20	0.20
105	0.20	0.20	0.20	0.20	0.20
95	0.20	0.20	0.20	0.20	0.20
85	0.20	0.20	0.20	0.20	0.20
75	0.20	0.20	0.20	0.20	0.20
65	0.20	0.20	0.20	0.20	0.20
55	0.20	0.20	0.20	0.20	0.20
45	0.20	0.20	0.20	0.20	0.20
35	0.20	0.20	0.20	0.20	0.20
25	0.20	0.20	0.20	0.20	0.20
15	0.20	0.20	0.20	0.20	0.20
5	0.20	0.20	0.20	0.20	0.20

VP 1-S2 Project
HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75	85	95	105	115	125
395	0.50	0.50	0.50	0.50	0.50	0.60	0.50	0.60	0.60	0.50	0.50	0.50	0.50
385	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50
375	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
365	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
355	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
345	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
335	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
325	0.50	0.50	0.60	0.60	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
315	0.50	0.60	0.50	0.60	0.60	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.50
305	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50
295	0.50	0.60	0.50	0.50	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50
285	0.50	0.60	0.50	0.50	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50
275	0.60	0.60	0.50	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
265	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
255	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
245	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
235	0.50	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
225	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
215	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
205	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
195	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
185	0.50	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
175	0.60	0.60	0.60	0.60	0.50	0.50	0.60	0.60	0.60	0.50	0.50	0.50	0.50
165	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
155	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
145	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60
135	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
125	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
115	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
105	0.70	0.70	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.80
95	0.70	0.70	0.80	0.80	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
85	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00	1.00	0.90	0.90	0.90	0.90
75	0.70	0.70	0.80	0.80	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
65	0.70	0.70	0.70	0.80	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
55	0.70	0.60	0.70	0.70	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.80	0.80
45	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
35	0.50	0.50	0.50	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
25	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
15	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.40	0.50	0.50	0.50	0.50
5	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

VP 1-S2 Project
HORIZONTAL (ft)

VERTICAL (ft)

	135	145	155	165	175	185	195	205	215	225	235	245	255
395	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40
385	0.40	0.40	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.50	0.50	0.50	0.50
375	0.50	0.40	0.40	0.30	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60
365	0.50	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.70	0.70	0.70
355	0.50	0.50	0.40	0.40	0.40	0.50	0.60	0.60	0.70	0.70	0.80	0.80	0.80
345	0.50	0.50	0.40	0.40	0.50	0.50	0.60	0.70	0.70	0.80	0.90	0.90	0.90
335	0.50	0.50	0.40	0.40	0.50	0.60	0.70	0.70	0.80	0.90	1.00	1.00	1.00
325	0.50	0.50	0.50	0.50	0.50	0.60	0.70	0.80	0.80	0.90	1.00	1.10	1.10
315	0.50	0.50	0.50	0.50	0.50	0.60	0.70	0.80	0.80	0.90	1.00	1.10	1.10
305	0.50	0.50	0.40	0.50	0.50	0.60	0.70	0.70	0.80	0.90	1.00	1.00	1.10
295	0.50	0.50	0.50	0.40	0.50	0.60	0.60	0.70	0.80	0.90	1.00	1.00	1.10
285	0.50	0.50	0.40	0.40	0.50	0.60	0.60	0.70	0.80	0.80	0.90	1.00	1.00
275	0.50	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.70	0.80	0.90	0.90	1.00
265	0.40	0.40	0.40	0.40	0.40	0.50	0.60	0.60	0.70	0.70	0.80	0.90	0.90
255	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.70	0.70	0.80	0.90
245	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.70	0.80	0.80
235	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.70	0.80
225	0.40	0.40	0.30	0.30	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.70
215	0.40	0.40	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60
205	0.40	0.40	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60
195	0.40	0.40	0.40	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50
185	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50
175	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
165	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
155	0.60	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	0.60	0.60	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40
135	0.70	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40
125	0.70	0.70	0.70	0.60	0.60	0.60	0.50	0.50	0.50	0.40	0.40	0.40	0.30
115	0.80	0.80	0.70	0.70	0.60	0.60	0.60	0.50	0.50	0.40	0.40	0.40	0.30
105	0.90	0.80	0.80	0.70	0.70	0.60	0.60	0.50	0.50	0.40	0.40	0.40	0.30
95	0.90	0.90	0.80	0.80	0.70	0.70	0.60	0.50	0.50	0.40	0.40	0.40	0.30
85	0.90	0.90	0.80	0.80	0.70	0.70	0.60	0.60	0.50	0.50	0.40	0.40	0.40
75	0.90	0.90	0.80	0.80	0.70	0.70	0.60	0.60	0.50	0.50	0.40	0.40	0.40
65	0.90	0.90	0.80	0.80	0.70	0.70	0.60	0.60	0.50	0.50	0.40	0.40	0.40
55	0.80	0.80	0.80	0.70	0.70	0.60	0.60	0.50	0.50	0.40	0.40	0.40	0.40
45	0.80	0.80	0.70	0.70	0.60	0.60	0.60	0.50	0.50	0.40	0.40	0.40	0.40
35	0.70	0.70	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
25	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40
15	0.40	0.40	0.40	0.40	0.30	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.30
5	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20

VP 1-S2 Project
HORIZONTAL (ft)

VERTICAL (ft)

	265	275	285	295	305	315	325	335	345	355	365	375
395	0.40	0.40	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.30
385	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.20	0.20	0.20	0.20	0.40
375	0.60	0.60	0.50	0.50	0.40	0.40	0.30	0.30	0.30	0.20	0.20	0.40
365	0.70	0.70	0.60	0.60	0.50	0.40	0.40	0.30	0.30	0.20	0.30	0.50
355	0.80	0.80	0.70	0.70	0.60	0.50	0.50	0.40	0.40	0.30	0.30	0.50
345	0.90	0.90	0.90	0.80	0.70	0.60	0.60	0.50	0.40	0.40	0.40	0.60
335	1.00	1.00	1.00	0.90	0.80	0.70	0.60	0.60	0.50	0.40	0.40	0.60
325	1.10	1.10	1.00	0.90	0.90	0.80	0.70	0.60	0.50	0.50	0.50	0.60
315	1.10	1.10	1.10	1.00	0.90	0.90	0.80	0.70	0.60	0.60	0.50	0.70
305	1.10	1.10	1.10	1.00	1.00	0.90	0.90	0.80	0.70	0.70	0.60	0.80
295	1.10	1.10	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.80	0.70	0.90
285	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.00	1.00	0.90	0.90	1.00
275	1.00	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.10	1.10	1.00	1.10
265	1.00	1.10	1.10	1.10	1.20	1.30	1.30	1.30	1.30	1.20	1.20	1.20
255	0.90	1.00	1.10	1.20	1.20	1.30	1.40	1.40	1.40	1.40	1.30	1.30
245	0.90	1.00	1.10	1.20	1.30	1.40	1.40	1.50	1.50	1.40	1.40	1.30
235	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.40	1.50	1.40	1.40	1.30
225	0.80	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.40	1.30	1.30	1.20
215	0.70	0.80	0.90	0.90	1.00	1.10	1.20	1.20	1.30	1.20	1.20	1.10
205	0.60	0.70	0.80	0.80	0.90	1.00	1.10	1.10	1.10	1.10	1.00	1.00
195	0.60	0.60	0.70	0.70	0.80	0.90	0.90	1.00	1.00	0.90	0.90	0.90
185	0.50	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.70
175	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.60	0.60
165	0.40	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.50	0.50	0.50
155	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
145	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
135	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
125	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
115	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20
105	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20
95	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
85	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
75	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
65	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
55	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20
45	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20	0.20
35	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20
25	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20
15	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20	0.20
5	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20

VP 1-S2 Project with Deck Concept

HORIZONTAL (ft)	5	15	25	35	45	55	65	75	85	95	105	115	125
395	0.50	0.50	0.50	0.50	0.50	0.60	0.50	0.60	0.60	0.50	0.50	0.50	0.50
385	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50
375	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
365	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
355	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
345	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
335	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
325	0.50	0.50	0.60	0.60	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
315	0.50	0.60	0.50	0.60	0.60	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.50
305	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50
295	0.50	0.60	0.50	0.50	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50
285	0.50	0.60	0.50	0.50	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50
275	0.60	0.60	0.50	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
265	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
255	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
245	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
235	0.50	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
225	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
215	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
205	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
195	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40
185	0.50	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
175	0.60	0.60	0.60	0.60	0.50	0.50	0.60	0.60	0.60	0.50	0.50	0.50	0.50
165	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
155	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
145	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60
135	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
125	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
115	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
105	0.70	0.70	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.80
95	0.70	0.70	0.80	0.80	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
85	0.70	0.80	0.80	0.80	0.90	0.90	1.00	1.00	1.00	0.90	0.90	0.90	0.90
75	0.70	0.70	0.80	0.80	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
65	0.70	0.70	0.70	0.80	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
55	0.70	0.60	0.70	0.70	0.80	0.80	0.80	0.90	0.90	0.90	0.90	0.80	0.80
45	0.60	0.60	0.60	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
35	0.50	0.50	0.50	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
25	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
15	0.20	0.20	0.20	0.20	0.30	0.30	0.30	0.30	0.40	0.50	0.50	0.50	0.50
5	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10

VERTICAL (ft)

VP 1-S2 Project with Deck Concept

HORIZONTAL (ft)	135	145	155	165	175	185	195	205	215	225	235	245	255
395	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.40
385	0.40	0.40	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.50	0.50	0.50	0.50
375	0.50	0.40	0.40	0.30	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.60
365	0.50	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.70	0.70	0.70
355	0.50	0.50	0.40	0.40	0.40	0.50	0.60	0.60	0.70	0.70	0.80	0.80	0.80
345	0.50	0.50	0.40	0.40	0.50	0.50	0.60	0.70	0.70	0.80	0.90	0.90	0.90
335	0.50	0.50	0.40	0.40	0.50	0.60	0.70	0.70	0.80	0.90	1.00	1.00	1.00
325	0.50	0.50	0.50	0.50	0.50	0.60	0.70	0.80	0.80	0.90	1.00	1.10	1.10
315	0.50	0.50	0.50	0.50	0.50	0.60	0.70	0.80	0.80	0.90	1.00	1.10	1.10
305	0.50	0.50	0.40	0.50	0.50	0.60	0.70	0.70	0.80	0.90	1.00	1.00	1.10
295	0.50	0.50	0.50	0.40	0.50	0.60	0.60	0.70	0.80	0.90	1.00	1.00	1.10
285	0.50	0.50	0.40	0.40	0.50	0.60	0.60	0.70	0.80	0.80	0.90	1.00	1.00
275	0.50	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.70	0.80	0.90	0.90	1.00
265	0.40	0.40	0.40	0.40	0.40	0.50	0.60	0.60	0.70	0.70	0.80	0.90	0.90
255	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.70	0.70	0.80	0.90
245	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.60	0.60	0.70	0.80	0.80
235	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.70	0.80
225	0.40	0.40	0.30	0.30	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60	0.70
215	0.40	0.40	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60	0.60
205	0.40	0.40	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.60
195	0.40	0.40	0.40	0.30	0.40	0.40	0.40	0.40	0.40	0.40	0.50	0.50	0.50
185	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.50
175	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
165	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
155	0.60	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	0.60	0.60	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40
135	0.70	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40
125	0.70	0.70	0.70	0.60	0.60	0.60	0.50	0.50	0.50	0.40	0.40	0.40	0.30
115	0.80	0.80	0.70	0.70	0.60	0.60	0.60	0.50	0.50	0.40	0.40	0.40	0.30
105	0.90	0.80	0.80	0.70	0.70	0.60	0.60	0.50	0.50	0.40	0.40	0.40	0.30
95	0.90	0.90	0.80	0.80	0.70	0.70	0.60	0.50	0.50	0.40	0.40	0.40	0.30
85	0.90	0.90	0.80	0.80	0.70	0.70	0.60	0.60	0.50	0.50	0.40	0.40	0.40
75	0.90	0.90	0.80	0.80	0.70	0.70	0.60	0.60	0.50	0.50	0.40	0.40	0.40
65	0.90	0.90	0.80	0.80	0.70	0.70	0.60	0.60	0.50	0.50	0.40	0.40	0.40
55	0.80	0.80	0.80	0.70	0.70	0.60	0.60	0.50	0.50	0.40	0.40	0.40	0.40
45	0.80	0.80	0.70	0.70	0.60	0.60	0.60	0.50	0.50	0.40	0.40	0.40	0.40
35	0.70	0.70	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
25	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40
15	0.40	0.40	0.40	0.40	0.30	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.30
5	0.20	0.20	0.20	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20

VERTICAL (ft)

VP 1-S2 Project with Deck Concept

HORIZONTAL (ft)	265	275	285	295	305	315	325	335	345	355	365	375
395	0.40	0.40	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.10	0.10	0.30
385	0.50	0.50	0.40	0.40	0.40	0.30	0.30	0.20	0.20	0.20	0.20	0.40
375	0.60	0.60	0.50	0.50	0.40	0.40	0.30	0.30	0.30	0.20	0.20	0.40
365	0.70	0.70	0.60	0.60	0.50	0.40	0.40	0.30	0.30	0.20	0.30	0.50
355	0.80	0.80	0.70	0.70	0.60	0.50	0.50	0.40	0.40	0.30	0.30	0.50
345	0.90	0.90	0.90	0.80	0.70	0.60	0.60	0.50	0.40	0.40	0.40	0.60
335	1.00	1.00	1.00	0.90	0.80	0.70	0.60	0.60	0.50	0.40	0.40	0.60
325	1.10	1.10	1.00	0.90	0.90	0.80	0.70	0.60	0.50	0.50	0.50	0.60
315	1.10	1.10	1.10	1.00	0.90	0.90	0.80	0.70	0.60	0.60	0.50	0.70
305	1.10	1.10	1.10	1.00	1.00	0.90	0.90	0.80	0.70	0.70	0.60	0.80
295	1.10	1.10	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.80	0.70	0.90
285	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.00	1.00	0.90	0.90	1.00
275	1.00	1.10	1.10	1.10	1.20	1.20	1.20	1.20	1.10	1.10	1.00	1.10
265	1.00	1.10	1.10	1.10	1.20	1.30	1.30	1.30	1.30	1.20	1.20	1.20
255	0.90	1.00	1.10	1.20	1.20	1.30	1.40	1.40	1.40	1.40	1.30	1.30
245	0.90	1.00	1.10	1.20	1.30	1.40	1.40	1.50	1.50	1.40	1.40	1.30
235	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.40	1.50	1.40	1.40	1.30
225	0.80	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.40	1.30	1.30	1.20
215	0.70	0.80	0.90	0.90	1.00	1.10	1.20	1.20	1.30	1.20	1.20	1.10
205	0.60	0.70	0.80	0.80	0.90	1.00	1.10	1.10	1.10	1.10	1.00	1.00
195	0.60	0.60	0.70	0.70	0.80	0.90	0.90	1.00	1.00	0.90	0.90	0.90
185	0.50	0.60	0.60	0.70	0.70	0.70	0.80	0.80	0.80	0.80	0.80	0.70
175	0.50	0.50	0.50	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.60	0.60
165	0.40	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.50	0.50	0.50
155	0.40	0.40	0.40	0.40	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
145	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
135	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
125	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
115	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20
105	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20
95	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
85	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20
75	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
65	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20
55	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20
45	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20	0.20
35	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20
25	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20
15	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.20	0.20	0.20
5	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.20	0.20	0.20

VERTICAL (ft)

VP 1-W1

HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75
395	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
385	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
375	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
365	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
355	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
345	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
335	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
325	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
315	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
305	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
295	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
285	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
275	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
265	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
255	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
245	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
235	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
225	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
215	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
205	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
195	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
185	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
175	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
165	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
155	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
145	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
135	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
125	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
115	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
105	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
95	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
85	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
75	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
65	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
55	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
45	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
35	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
25	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
15	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
5	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

VP 1-W2

HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75	85	95	105	115	125
395	1.50	1.40	1.40	1.20	1.20	1.10	1.00	1.00	0.90	0.80	0.80	0.70	0.70
385	1.50	1.40	1.40	1.30	1.20	1.10	1.10	1.00	0.90	0.90	0.80	0.70	0.70
375	1.60	1.50	1.40	1.30	1.30	1.20	1.10	1.00	1.00	0.90	0.80	0.80	0.70
365	1.50	1.50	1.40	1.30	1.20	1.10	1.10	1.00	1.00	0.90	0.80	0.80	0.70
355	1.60	1.50	1.40	1.40	1.30	1.20	1.10	1.10	1.00	0.90	0.80	0.80	0.80
345	1.60	1.50	1.40	1.40	1.30	1.20	1.10	1.10	1.00	0.90	0.90	0.80	0.80
335	1.60	1.50	1.40	1.40	1.30	1.20	1.10	1.10	1.00	0.90	0.90	0.80	0.80
325	1.60	1.50	1.50	1.40	1.30	1.20	1.20	1.10	1.00	0.90	0.90	0.80	0.80
315	1.60	1.50	1.50	1.30	1.30	1.20	1.20	1.10	1.00	0.90	0.90	0.90	0.80
305	1.50	1.50	1.40	1.30	1.20	1.20	1.10	1.10	1.00	0.90	0.90	0.90	0.80
295	1.50	1.40	1.40	1.30	1.20	1.20	1.10	1.10	1.00	0.90	0.90	0.90	0.80
285	1.40	1.40	1.30	1.20	1.20	1.10	1.10	1.00	1.00	0.90	0.90	0.90	0.80
275	1.40	1.30	1.30	1.30	1.20	1.10	1.10	1.00	1.00	0.90	0.90	0.90	0.80
265	1.40	1.30	1.30	1.20	1.20	1.10	1.10	1.00	1.00	0.90	0.90	0.90	0.80
255	1.40	1.30	1.30	1.20	1.20	1.10	1.10	1.00	0.90	0.90	0.90	0.90	0.80
245	1.30	1.30	1.20	1.20	1.10	1.10	1.00	1.00	0.90	0.90	0.90	0.90	0.80
235	1.30	1.20	1.20	1.20	1.10	1.10	1.00	1.00	0.90	0.90	0.90	0.90	0.80
225	1.20	1.20	1.20	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.90	0.90	0.80
215	1.20	1.20	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.90	0.90	0.80	0.80
205	1.10	1.10	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.90	0.80	0.80	0.80
195	1.10	1.10	1.10	1.00	1.00	1.00	0.90	0.90	0.90	0.90	0.90	0.80	0.80
185	1.10	1.00	1.00	1.00	0.90	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.80
175	1.00	1.00	1.00	1.00	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.80	0.80
165	1.00	1.00	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.80	0.80	0.80	0.80
155	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.80
145	0.90	0.90	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70
135	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70
125	0.80	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
115	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
105	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
95	0.70	0.70	0.70	0.70	0.60	0.70	0.70	0.70	0.60	0.70	0.70	0.70	0.70
85	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
75	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
65	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
55	0.50	0.50	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
45	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60	0.60
35	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.60	0.60	0.60
25	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
15	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
5	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50

VP 1-W2

HORIZONTAL (ft)

VERTICAL (ft)

	135	145	155	165	175	185	195	205	215	225	235	245
395	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40
385	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40
375	0.70	0.70	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.40	0.40
365	0.70	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.40
355	0.70	0.70	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50
345	0.70	0.70	0.70	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50
335	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50
325	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50
315	0.80	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50
305	0.80	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.50	0.50
295	0.80	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.50
285	0.80	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60
275	0.80	0.80	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60
265	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60
255	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60
245	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60
235	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60
225	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60
215	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60
205	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60
195	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
185	0.80	0.80	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
175	0.80	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
165	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
155	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
145	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
135	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
125	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
115	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
105	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
95	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
85	0.60	0.60	0.70	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75	0.60	0.60	0.70	0.60	0.60	0.70	0.70	0.60	0.70	0.70	0.70	0.70
65	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70	0.70	0.70
55	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70	0.70
45	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.70
35	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
25	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
15	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
5	0.50	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60

VP 1-W2

HORIZONTAL (ft)

VERTICAL (ft)

	255	265	275	285	295	305	315	325	335	345	355	365
395	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.30
385	0.40	0.40	0.40	0.40	0.40	0.30	0.40	0.30	0.30	0.30	0.30	0.30
375	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30
365	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30
355	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
345	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
335	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
325	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
315	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40	0.40
305	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40	0.40	0.40	0.40	0.40
295	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
285	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
275	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
265	0.60	0.60	0.60	0.50	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50
255	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50
245	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.60	0.50	0.50	0.50
235	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50	0.50
225	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
215	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
205	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
195	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
185	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
175	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
165	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.70	0.60	0.60	0.60	0.60
155	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60
145	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60
135	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.60
125	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60
115	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.70
105	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
95	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
85	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
75	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
65	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
55	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
45	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
35	0.60	0.60	0.70	0.60	0.60	0.60	0.60	0.70	0.70	0.60	0.60	0.60
25	0.70	0.70	0.60	0.70	0.70	0.70	0.70	0.60	0.60	0.60	0.60	0.60
15	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
5	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60

VP 1-W2

HORIZONTAL (ft)

VERTICAL (ft)

	375	385	395	405	415	425	435	445
395	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
385	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
375	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
365	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
355	0.40	0.30	0.30	0.30	0.30	0.30	0.30	0.30
345	0.40	0.40	0.30	0.40	0.30	0.30	0.30	0.30
335	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30
325	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
315	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
305	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
295	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
285	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
275	0.50	0.50	0.50	0.40	0.50	0.40	0.40	0.40
265	0.50	0.50	0.50	0.50	0.50	0.50	0.40	0.40
255	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
245	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
235	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
225	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
215	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50
205	0.60	0.60	0.60	0.60	0.50	0.50	0.50	0.50
195	0.60	0.60	0.60	0.60	0.60	0.50	0.50	0.50
185	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
175	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.50
165	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
155	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
145	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
135	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
125	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
115	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60
105	0.60	0.70	0.60	0.60	0.60	0.60	0.60	0.60
95	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60
85	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60
75	0.70	0.70	0.60	0.60	0.60	0.60	0.60	0.60
65	0.60	0.70	0.60	0.60	0.60	0.60	0.60	0.60
55	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60
45	0.70	0.60	0.60	0.60	0.60	0.60	0.60	0.60
35	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
25	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
15	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
5	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60

VP 1-W3

HORIZONTAL (ft)

VERTICAL (ft)

	5	15	25	35	45	55	65	75	85	95	105	115	125
395	0.20	0.30	0.50	0.80	1.20	1.50	1.50	1.40	1.20	1.00	0.70	0.50	0.30
385	0.30	0.40	0.90	1.90	4.00	5.70	6.20	5.60	4.80	4.00	3.50	2.70	1.80
375	0.30	0.60	1.40	4.20	13.30	22.80	26.70	26.70	22.90	24.10	27.40	27.30	23.60
365	0.40	0.70	1.70	5.60	20.80	37.90	45.60	47.40	41.50	47.20	58.20	62.60	60.80
355	0.40	0.60	1.40	4.40	14.20	24.50	28.80	29.00	25.40	27.10	31.50	32.10	29.60
345	0.40	0.50	1.00	2.40	5.40	8.20	9.10	8.70	7.60	7.10	6.80	6.00	5.00
335	0.30	0.40	0.70	1.20	2.10	2.80	3.00	2.90	2.60	2.40	2.10	1.80	1.60
325	0.30	0.30	0.40	0.70	1.00	1.30	1.50	1.50	1.30	1.50	1.30	1.20	1.30
315	0.30	0.30	0.30	0.40	0.60	0.80	0.80	0.80	0.70	0.90	0.80	0.70	0.90
305	0.30	0.20	0.20	0.30	0.30	0.50	0.50	0.60	0.60	0.90	0.60	0.50	0.70
295	0.40	0.30	0.20	0.20	0.20	0.30	0.40	0.80	2.40	6.00	7.00	6.20	4.20
285	0.50	0.40	0.20	0.20	0.20	0.30	0.50	1.10	5.80	23.80	34.50	39.10	37.20
275	0.70	0.60	0.30	0.20	0.20	0.30	0.40	0.90	4.00	12.60	17.20	18.00	15.20
265	1.00	1.00	0.70	0.10	0.10	0.20	0.30	0.60	1.70	3.50	4.30	4.10	3.20
255	1.30	1.50	1.50	0.40	0.10	0.20	0.20	0.40	0.70	1.20	1.30	1.20	1.00
245	1.60	2.00	2.20	1.10	0.20	0.10	0.20	0.20	0.40	0.50	0.50	0.50	0.50
235	1.50	2.00	2.20	1.10	0.20	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30
225	1.40	1.60	1.70	0.90	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20
215	1.10	1.20	1.10	0.60	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
205	0.80	0.90	0.70	0.40	0.00	0.10	0.10	0.00	0.10	0.10	0.10	0.10	0.10
195	0.60	0.60	0.50	0.30	0.00	0.10	0.00	0.00	0.00	0.10	0.10	0.00	0.10
185	0.50	0.40	0.30	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.40	0.30	0.20	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.30	0.20	0.20	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.20	0.20	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.20	0.20	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.20	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.10	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.20	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.20	0.20	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.20	0.20	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.20	0.20	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.20	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

VP 1-W3

HORIZONTAL (ft)

VERTICAL (ft)

	135	145	155	165	175	185	195	205	215	225
395	0.20	0.00	0.00	0.00	0.50	1.80	5.10	4.70	4.30	3.80
385	1.20	0.60	0.20	0.00	1.80	4.00	10.90	10.50	10.20	9.40
375	15.60	19.60	15.70	7.70	8.80	7.90	20.70	21.00	21.90	21.60
365	41.10	71.50	78.00	80.70	17.10	10.10	26.20	27.00	29.00	29.30
355	19.90	29.90	29.60	27.00	10.20	8.20	21.40	21.70	22.70	22.50
345	3.30	3.00	2.20	1.50	3.50	4.80	12.60	12.30	12.10	11.30
335	1.00	0.90	0.60	0.40	1.60	2.60	6.70	6.20	5.80	5.20
325	0.70	1.00	0.80	0.70	1.00	1.50	3.70	3.40	3.00	2.60
315	0.30	0.60	0.40	0.30	0.70	0.90	2.20	2.00	1.70	1.50
305	0.20	0.50	0.20	0.10	0.50	0.60	1.50	1.30	1.10	1.00
295	1.00	0.30	0.10	0.10	0.40	0.40	1.10	0.90	0.80	0.70
285	6.90	1.20	0.10	0.10	0.30	0.30	0.90	0.70	0.60	0.50
275	3.80	0.40	0.10	0.00	0.10	0.20	0.70	0.60	0.50	0.40
265	1.30	0.20	0.10	0.00	0.10	0.20	0.60	0.50	0.40	0.40
255	0.50	0.10	0.00	0.00	0.10	0.10	0.50	0.40	0.40	0.30
245	0.20	0.10	0.00	0.00	0.10	0.10	0.50	0.40	0.40	0.30
235	0.10	0.10	0.00	0.00	0.10	0.30	0.70	0.70	0.80	0.70
225	0.10	0.00	0.00	0.00	0.10	0.80	1.30	1.80	2.00	1.90
215	0.00	0.00	0.00	0.00	0.50	2.10	2.90	4.70	6.00	6.10
205	0.00	0.00	0.10	0.80	2.40	4.10	5.30	9.80	13.20	14.20
195	0.00	0.10	0.20	0.40	2.60	4.20	5.40	9.80	13.20	14.20
185	0.00	0.00	0.10	0.10	1.80	3.00	3.80	6.10	7.90	8.20
175	0.00	0.00	0.00	0.00	1.00	1.80	2.10	3.10	3.70	3.80
165	0.00	0.00	0.00	0.00	0.60	1.10	1.20	1.60	1.80	1.80
155	0.00	0.00	0.00	0.00	0.30	0.60	0.70	0.80	0.90	0.90
145	0.00	0.00	0.00	0.00	0.20	0.40	0.40	0.50	0.50	0.50
135	0.00	0.00	0.00	0.00	0.10	0.30	0.30	0.30	0.30	0.30
125	0.00	0.00	0.00	0.00	0.10	0.20	0.20	0.20	0.20	0.20
115	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10	0.10
105	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10
95	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10
85	0.00	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.00
75	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.10	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10
25	0.10	0.00	0.00	0.00	0.00	0.10	0.10	0.10	0.00	0.10
15	0.10	0.10	0.00	0.00	0.00	0.10	0.10	0.10	0.10	0.10
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX E: Existing Lighting Conditions



Monitoring Sites:

- M-E1 - LA River at Jesse Street
- M-E2 - 7th Street Bridge
- M-N1 - 6th Street Viaduct Project PARC: Arts Plaza
- M-S1 - 2121 E. 7th Place
- M-W1 - 695 S. Santa Fe Avenue
- M-W2 - 688 S. Santa Fe Avenue at North Property Line
- M-W3 - 688 S. Santa Fe Avenue at 7th Street



SOURCE: Google Map, 2015 (Aerial)

Figure 7: Monitoring Sites

Illuminance:

Measured illuminance greater than 3.0 fc is evaluated as high illuminance, from 1.0 fc to 3.0 fc is evaluated as medium illuminance, and from 1.0 fc or less as low illuminance.

The measured Illuminance at each Monitoring Site is summarized in Table below.

The measured illuminance is consistent with an urban lighting condition, with relatively high illuminance at the street and sidewalk within the public right of way and nearby commercial properties, and lower illuminance within the residential properties, but sufficient light for safety and security. The existing Property includes lighting for the existing parking lot and signs. Adjacent commercial properties to the south, east, and west contribute to a relatively bright night environment

The highest existing horizontal illuminance level was recorded at Monitoring Site at M-W1 with 5.71 fc, while the lowest horizontal illuminance was recorded at Monitoring Site M-W2 at 0.01 fc. The highest existing vertical illuminance level was recorded at Monitoring Site MW-1 at 1.60 fc, while the lowest vertical illuminance was recorded at Monitoring Site M-W2 at 0.02 fc.

Table 5: Existing Measured Illuminance (fc)

Monitoring Site	Illuminance (fc)		Location	Evaluation
	Horizontal	Vertical		
M-N1	0.09	0.27	6th Street Viaduct PARC	Very Low ambient illuminance
M-E1	0.05	0.06	Jessie Street and South Mission Road intersection	Very Low ambient illuminance
M-E2	0.23	0.34	Mid span of 7th Street Bridge over the LA River	Low ambient illuminance
M-S1	0.25	0.41	2121 East 7th Place north property line	Low ambient illuminance
M-W1	5.71	1.60	695 South Santa Fe Avenue	High ambient illuminance
M-W2	0.01	0.02	688 South Santa Fe Avenue north property line at Project Site	Very Low ambient illuminance
M-W3	0.21	0.76	688 South Santa Fe Avenue south property line at Project Site	Low ambient illuminance

Luminance:

Measured luminance at each Monitoring Site within the view to the Project is summarized in Table below.

Contrast: Contrast is the ratio of one surface luminance to a second surface luminance or to the field of view.

Glare: The visual evaluation of High, Medium and Low Contrast describes the perception of how bright a visible object appears in comparison to the surrounding objects within any given field of view and context. High Contrast indicates a potential glare condition for residential properties nearby.

Contrast exceeding 30 to 1 are usually deemed uncomfortable, and evaluated as high; less than 30 to 1 to greater than 10:1 are medium contrast; 10 to 1 are clearly visible and evaluated as low; and less than 3 to 1 appear to be equal, and evaluated as very low.

The view from the Monitoring Sites to the Project includes prominent, high brightness light sources and illuminated surfaces, such as street lights, illuminated signs, and flood lighted buildings, as well as lower brightness surfaces such as sidewalks, parking lots, and un-illuminated walls or landscape areas. The existing Project Site is an industrial site with parking lot light poles and existing exterior lights. The site is well illuminated with many bright surfaces visible.

Table 6: Existing Measured Luminance (cd/m²)

Monitoring Site	Luminance (cd/m ²)		Contrast Ratio (Max / Average)	Description	Evaluation
	Average	Maximum			
M-N1	10.5	182.5	17.4	Measured at 6th Street Viaduct PARC	Medium average luminance, medium contrast
M-E1	180.7	1808.0	10.0	Measured at Jessie Street and South Mission Road intersection	Medium average luminance, medium contrast
M-E2	99.2	1095.0	11.0	Measured at mid span of 7th Street Bridge over the LA River	Medium average luminance, medium contrast
M-S1	173.3	2984.0	17.2	Measured at north property line of 2121 East 7th Place	Medium average luminance, medium contrast
M-W1	25.7	306.3	11.9	Measured at 695 South Santa Fe Avenue	Medium average luminance, medium contrast
M-W2	4.8	35.0	7.3	Measured at 688 South Santa Fe Avenue north property line at Project Site	Low average luminance, low contrast
M-W3	18.1	235.2	13.0	Measured at 688 South Santa Fe Avenue south property line at Project Site	Medium average luminance, medium contrast

APPENDIX F: Addendum 1 Project Alternatives Lighting Analysis

The Lighting Study Addendum 1 by Francis Krahe & Associate Inc. (Addendum 1) analyzes lighting associated with the proposed 670 Mesquit Project located in the City of Los Angeles (City), California, with respect to Project Alternatives 2, 3, and 4 as described within the Addendum 1 Appendix A, and Sign Alternatives 2 and Sign Alternative 3, as defined in Addendum 1 Appendix D. The Addendum concludes the Project Alternatives Lighting and Signs comply with the light trespass and glare thresholds as defined by the LAMC as noted above in this Study. Furthermore, the Addendum concludes the Project Alternatives Building and Sign lighting complies with CEC requirements for light trespass and glare.

The Addendum determines that the Project Alternatives Building Lighting would exceed the requirements for light trespass with respect to the RIO at the Project Boundary and 15 feet beyond the Project Boundary. Although the Project Alternative 2 would exceed the RIO District Ordinance requirements, which would represent a conflict with the RIO District Ordinance, the environmental effect of the lighting levels would not represent a significant impact on the environment. Foremost, as previously stated, pursuant to PRC Section 21099(d)(1) and the City's ZI File No. 2452, the aesthetic and lighting/glare impacts of the Project Alternatives are not considered significant impacts on the environment. Furthermore, the areas where Project Alternatives lighting would exceed the RIO standards include streets, rail yards, electrical switching stations, and industrial use properties and do not include natural habitat or residential uses. As such, pursuant to the 2006 L.A. CEQA Thresholds Guide, no light sensitive receptors would be affected. In addition, the Project Alternatives includes a proposed Specific Plan and Sign District to establish the land use regulations for the Project Site to ensure consistent implementation of development standards throughout the Project Site in recognition of the Project Site's unique characteristics, including unique opportunities for public benefits and unique constraints posed by the Project Site's location which are not experienced by other sites. With approval of the Specific Plan, which would include its own lighting standards, there would not be a conflict with the RIO District Ordinance lighting provisions.

Accordingly, while the Project Alternatives would conflict in part with the RIO District Ordinance lighting standard, the conflict would not represent a significant physical impact on the environment under CEQA. Therefore, impacts with respect to consistency with the RIO District would be less than significant.

Project Alternative 2, Project Alternative 3, and Project Alternative 4 would retain the same mix of land uses, a similar site plan, and the same maximum building heights, total floor area, and FAR as the Project. Alternative 2 would relocate the hotel use from Building 1, where it is co-located with residential uses under the Project, into a standalone building (Building 3). As further detailed in Appendix A, Table V-1, the primary differences between the Project and Alternative 2 include an increase in dwelling units, office uses, and hotel square footage, and reductions in retail/restaurant floor area, studio/event/gallery/museum floor area, and in the size of the Deck Concept.

Project Alternative 2 includes revised building plan and height dimensions which may affect the light trespass illuminance at adjacent sensitive use properties. The profile of the roof line within Building 2 and Building 3 in Project Alternative 2 increases 42 feet to 252 feet above grade from the maximum Study Project height of 210 feet above grade. This increased building height adds more building façade lighting which may increase light trespass at sensitive use locations. The building profile elevation dimensions are also revised by 45 feet to the south as compared to the profile analyzed in the Study. The revised building profile dimensions within Project Alternative 2 may also increase the potential light trespass impact. Therefore, the building light trespass illuminance from Project Alternative 2 is analyzed in detail within the Addendum 1 Study to evaluate any potential light trespass impact.

Sign Alternative 2 contains signs with total Sign area similar to or less than Study Sign area. Therefore, all conclusions of the Study Sign illumination light trespass apply to Sign Alternative 2.

Project Alternative 3 would retain the same mix of land uses, a similar site plan, and the same maximum building heights, total floor area, and FAR as the Project. Alternative 3 would relocate the hotel use from Building 1 where it is co-located with residential uses under the proposed Project, into Building 2, where it would be co-located with the event space and the gym. Under Alternative 3, the offices would be relocated into Buildings 3, 4, and 5 to create a cluster of office buildings. The retail spaces would be reduced and would only be located in Buildings 1 and 3. As further detailed in Appendix A Table V-2, the primary differences between the Project and Alternative 3 include an increase in dwelling units, office uses, hotel square footage, and gym, and reductions in retail/restaurant floor area, studio/event/gallery/museum floor area, and in the size of the Deck Concept.

Project Alternative 3 includes building dimensions similar to or less than the Study Project building dimensions. Therefore, there is no greater potential Building Lighting light trespass impact from Project Alternative 3 than from the Study Project. Project Alternative 3 does not present an increased potential for Building light trespass impact, and all conclusions identified in Study with respect to Building light trespass apply to Project Alternative 3.

Sign Alternative 3 contains signs with total area greater than Study Sign area. Therefore, Sign Alternative 3 is analyzed in detail within this Addendum 1. Complete calculations and analysis for light trespass are provided below for Sign Alternative 3.

Project Alternative 4 would have reduced density compared to the Project as it would remove Building 1, which includes both residential and hotel uses under the Project. The footprint from Building 1 would be replaced with a 20,000 square-foot landscaped area that would be used as publicly accessible open space. The rest of the buildings retain the same mix of land uses, a similar site plan, and the same maximum building heights, total floor area, and FAR as under the Project. As further detailed in Appendix A Table V-3, the primary differences between the Project and Alternative 4 include the removal of the residential and hotel uses and a decrease in retail/restaurant floor. There are no changes to the office, studio/event/gallery/museum floor area, or gym. No Deck Concept is proposed under Alternative 4.

Project Alternative 4 includes building dimensions that are less than or equal to the Study Project building dimensions. Therefore, there is no greater potential Building Lighting light trespass impact from Project Alternative 4 than from the Study Project. Project Alternative 4 does not present an increased potential for Building light trespass impact, and all conclusions identified in Study with respect to Building light trespass apply to Project Alternative 4.

This Study Addendum 1 evaluates the potential lighting effects of the Project Alternative 2 Building Lighting and Sign Alternative 3 based on applicable lighting metrics and regulations pertaining to artificial lighting, the existing lighting conditions within and surrounding the Project, and the Project's proposed building and site lighting (Building Lighting) and illuminated signs (Signs) as identified in the building design and sign concept design documents. This Lighting Study Addendum 1 has been prepared in part to support an analysis provided in the Draft Environmental Impact Report (Draft EIR) being prepared by the City's Department of City Planning for the Project. Because the Project is an infill project located within a Transportation Priority Area (TPA), pursuant to Senate Bill (SB) 743 and City Zoning Information (ZI) File No. 2452, visual resources, including light and glare or any other aesthetic impact as defined in the L.A. CEQA Thresholds Guide, shall not be considered an impact pursuant to CEQA. Nonetheless, this Study Addendum 1 documents that the Project Alternative 2 would comply with certain applicable lighting regulations, mainly Los Angeles Municipal Code (LAMC) Chapter 9, Article 3, Div. 1, Sec. 93.0117 regarding building lighting, and LAMC Chapter 1, Article 4.4, Sec. 14.4.4 E regarding sign related lighting. This Study Addendum 1 also evaluates consistency with the River Improvement Overlay District, established by City Ordinance Nos. 183144 and 183145 (RIO District Ordinance) to support implementation of the Los Angeles River Revitalization Plan, specifically, applicable design criteria for exterior site lighting included in the RIO District Ordinance.

The methods of analysis utilized for this Study Addendum 1 are identical to the methods used in the Lighting Study and are based upon the recommended practices established by the Illuminating Engineering Society of North America (IESNA) for the practice of illumination engineering design and application, and the actual

measurements of light sources and illuminated surfaces. The IESNA 10th Edition Handbook is the current reference published by IESNA, which supersedes the 9th Edition IESNA Handbook and various Recommended Practice References published by IESNA prior to 2011.

Project Alternative 2 Building Lighting

The Addendum 1 Study demonstrates that Light Trespass from Project Alternative 2 Building Lighting at adjacent sensitive use properties would be below the 2.0 footcandles (fc) limit established within LAMC Chapter 9, Article 3, Div. 1, Sec. 93.0117, including Exception 2, where light sources are not visible from any residential use property, and or Exception 9, where the light source is greater than 2000 feet from a residential unit. Light trespass illuminance calculation data confirms the Project Alternative 2 Building Lighting complies with LAMC at adjacent residential properties or sensitive use locations, and is presented in Addendum 1 Appendix B, Table 1. Project Alternative 2 Building lighting would also comply with light trespass illuminance at the Project property line as per California Energy Commission (CEC) Lighting Zone 3 and the IESNA 10th Edition Lighting Handbook recommendations (see Study Appendix A) and Table 26.5 Recommended Light Trespass Limits (Study Appendix B). The Project Alternative 2 Building Lighting Light Trespass illuminance calculation data at the Project Boundary, as per CEC requirements, is summarized in Addendum 1 Appendix B, Table 2.

Project Alternatives Glare Analysis

Project Alternative 2, Project Alternative 3, and Project Alternative 4 include maximum building lighting luminance equal to or less than the maximum building lighting luminance analyzed in Study. Therefore, all conclusions regarding Glare impacts identified in Study apply to Project Alternative 2, Project Alternative 3, and Project Alternative 4. There are no Glare impacts identified in the Study from Building Lighting, and therefore there are no Glare impacts from Building Lighting for Project Alternative 2, Project Alternative 3, or Project Alternative 4.

Sign Alternative 3

This analysis of signage related lighting provided in this Study Addendum 1 is based on the following characteristics and standards presented in the draft Sign District:

- Internally illuminated signs will not exceed 300 candelas/m² luminance at night from sunset until 45 minutes prior to sunrise, and 5,000 candelas/m² during daytime hours from 45 minutes after sunrise until 45 minutes prior to sunset. Sign luminance shall transition smoothly from daytime luminance to night time luminance and vice versa.
- Illuminated signs that have the potential to exceed 300 candelas/m² will include an electronic control mechanism to reduce sign luminance to 300 candelas/m² at any time when ambient sunlight is less than 100 fc.
- Externally illuminated signs will incorporate design elements to limit the direct view of the light source surface at all exterior light fixtures to ensure that the light source cannot be seen from adjacent residential-zoned properties.

As supported by the calculation data included in Addendum Appendix C and summarized in Addendum Table 4, Light Trespass from Sign Alternative 3 at adjacent sensitive use properties would be below the 3.0 fc limit for illuminated signs as defined by the LAMC Chapter 1, Article 4.4, Sec. 14.4.4 E., except at the Project west property line adjacent to the residential use property at 688 S. Santa Fe Street. Sign Alternative 3 west facing Signs create light trespass illuminance greater than the 3.0 fc threshold at vertical plane 1-W3, at the property line between the Project and 688 S. Santa Fe Avenue. The maximum light trespass illuminance at vertical plane 1-W3 is 86.80 fc. The locations where the light trespass exceeds 3.0 fc occur at elevations 95 feet above grade or more (see pages 209 and 210). The locations where the illuminance exceeds 3.0 fc are more than 10 feet above the roof elevation of the residential property at 688 S. Santa Fe Avenue. The maximum light trespass illuminance within the occupied portion of the vertical plane 1-W3 from grade to 90 feet above grade is 1.70 fc, which is well below the threshold of 3.0 fc. The light trespass illuminance which exceeds 3.0 fc from Sign Alternative 3 west facing Signs will not be

visible to the occupants of the 688 S. Santa Fe Avenue. Therefore, although the calculated light trespass illuminance is greater than 3.0 fc at vertical plane 1-W3, the Sign Alternative 3 will not create an impact.

The Sign Alternative 3 with Deck Concept also includes Signs facing west with light trespass illuminance greater than the 3.0 fc threshold at vertical plane 1-W3. The maximum light trespass illuminance at vertical plane 1-W3 is 86.80 fc as identified in Addendum Appendix C, Table 4. The locations where the illuminance exceeds 3.0 fc are more than 10 feet above the roof elevation of the residential property at 688 S. Santa Fe Avenue. The maximum light trespass illuminance within the occupied portion of the vertical plane 1-W3 from grade to 90 feet above grade is 1.70 fc, which is well below the threshold of 3.0 fc. The light trespass illuminance which exceeds 3.0 fc from Sign Alternative 3 with Deck Concept will not be visible to the occupants of the 688 Santa Fe Avenue. Therefore, although the calculated light trespass illuminance is greater than 3.0 fc at vertical plane 1-W3, the Signs within the Signs Alternative 3 with Deck Concept will not create an impact.

Sign Alternatives Glare Analysis

Sign Alternative 2 and Sign Alternative 3 include maximum Sign luminance equal to or less than the maximum Sign luminance analyzed in Study. Therefore, all conclusions regarding Glare impacts identified in Study apply to Sign Alternative 2 and Sign Alternative 3. There are no Glare impacts identified in the Study, and therefore no Glare impacts from Sign Alternative 2 or Sign Alternative 3.

River Improvement Overlay (RIO) District Ordinance

Light Trespass at Project Boundary

As supported by the data included in Addendum 1 Appendix B, Project Alternative 2 Building lighting would exceed the more stringent standards that apply to the RIO District pursuant to RIO District Ordinance exterior site lighting requirements at the Project boundary and 15 feet beyond the boundary. The RIO District Ordinance limits light trespass illuminance at the Project boundary to 0.20 fc. As further detailed in Addendum 1 Appendix B Table 2, the Project Alternative 2 maximum calculated illuminance at the vertical planes studied varies from a minimum of 0.00 fc to a maximum of 0.70 fc. Accordingly, the Project's calculated light trespass illuminance would exceed the 0.20 fc maximum at the Project boundary and therefore, Project Alternative 2 Building Lighting would not comply with the RIO District Ordinance at the Project boundary.

The Project Alternative 2 with the Deck Concept maximum calculated illuminance at the vertical planes studied varies from a minimum of 0.00 fc to a maximum of 0.70 fc. Accordingly, Project calculated light trespass illuminance would exceed the 0.20 fc maximum, and therefore, the Project Alternative 2 with the Deck Concept would also exceed the 0.20 fc maximum and would not comply with RIO District Ordinance at the Project boundary.

Light Trespass at 15 feet Beyond Project Boundary

The RIO District Ordinance requirements for light trespass illuminance at 15 feet beyond the Project boundary is 0.01 fc. The Project Alternative 2 maximum calculated illuminance at the vertical planes studied varies from a minimum of 0.00 fc to a maximum of 0.60 fc as presented in Addendum 1 Appendix B and summarized in Table 3. Accordingly, the Project Alternative 2 calculated light trespass illuminance would exceed the 0.01 fc maximum defined by the RIO 15 feet beyond property line. Therefore, Building Lighting for Project Alternative 2 would not comply with the RIO District Ordinance requirement at 15 feet beyond the Project boundary.

The Project Alternative 2 with the Deck Concept calculated illuminance at the vertical planes evaluated varies from a minimum of 0.00 fc to a maximum of 0.50 fc. The Project Alternative 2 calculated light trespass illuminance would therefore exceed the 0.01 fc maximum defined by the RIO 15 feet beyond property line. Therefore, Building Lighting for Project Alternative 2 with the Deck Concept would not comply with the RIO District Ordinance requirement at 15 feet beyond the Project boundary.

Findings under the California Environmental Quality Act (CEQA)

Although the Project Alternative 2 would exceed the above RIO District Ordinance requirements, which would represent a conflict with the RIO District Ordinance, the environmental effect of the lighting levels would not represent a significant impact on the environment. Foremost, pursuant to PRC Section 21099(d)(1) and the City's ZI File No. 2452, the aesthetic and lighting/glare impacts of the Project Alternative 2 are not considered significant impacts on the environment. Furthermore, the areas where Project Alternative 2 lighting would exceed the RIO standards include streets, rail yards, electrical switching stations, and industrial use properties and do not include natural habitat or residential uses. As such, pursuant to the 2006 L.A. CEQA Thresholds Guide, no light sensitive receptors would be affected. In addition, the Project Alternative 2 includes a proposed Specific Plan and Sign District to establish the land use regulations for the Project Site to ensure consistent implementation of development standards throughout the Project Site in recognition of the Project Site's unique characteristics, including unique opportunities for public benefits and unique constraints posed by the Project Site's location which are not experienced by other sites. With approval of the Specific Plan, which would include its own lighting standards, there would not be a conflict with the RIO District Ordinance lighting provisions.

Accordingly, while the Project Alternative 2 would conflict in part with the RIO District Ordinance lighting standard, the conflict would not represent a significant physical impact on the environment under CEQA. Therefore, impacts with respect to consistency with the RIO District would be less than significant.