

TYPE III REVIEW SUBMITTAL EXHIBIT B

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# MACKENZIE.

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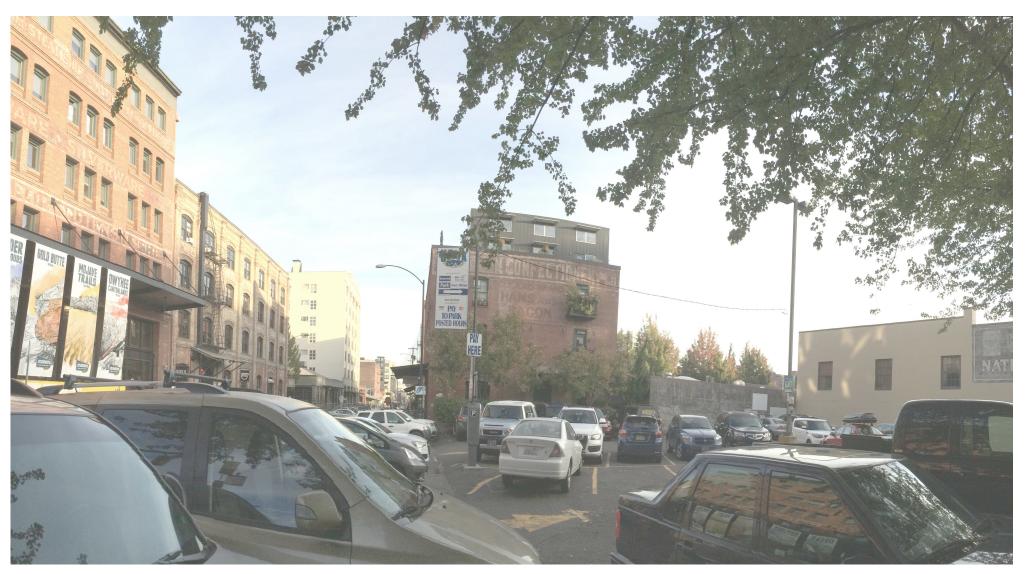
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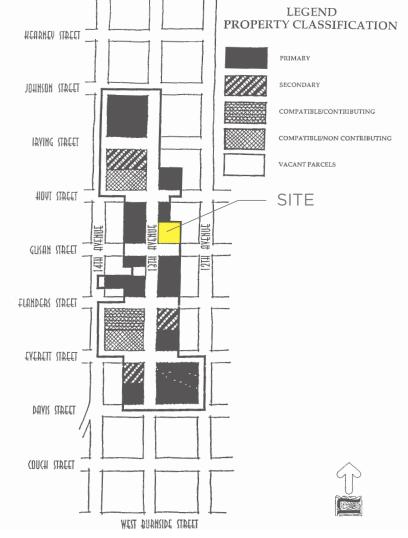
CURRENT SITE: PEARL BUILDING EAST NW 13TH AND GLISAN

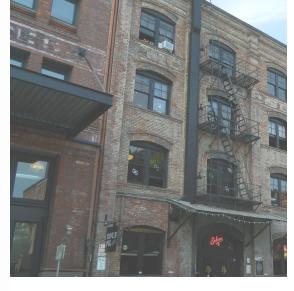
Contents

**Pearl Building East** 

M

# ZONING OVERVIEW







NW 13th Avenue Historic District Design Guidelines (FEB. 1996)

#### 1. SITING

Required Building Lines (both 13th and Glisan):

- Building must extend to street lot line along 75% of lot line OR

**NEW BUILDINGS IN THE HISTORIC DISTRICT** 

- Extend within 12' of street lot line for 75% of lot line if the space between the building and the street lot line is designated a sidewalk extension for active uses such as sidewalk cafes, vendor stands, or developed as stopping places.

#### 2. HEIGHT AND BULK

New construction should be at least equivalent to two stories in height and not exceed maximum height requirements designated by the Zoning Code.

#### 3. COMPOSITION

New construction should respect and reflect the tripartite nature of the existing buildings in the district with a clear base, middle, and top.

#### 4. SCALE AND PROPORTION

The size and relationships of openings and architectural elements should be of a scale and proportion compatible with the historical architectural patterns. Blank walls should be avoided on street elevations, especially at the ground floor.

#### 5. MATERIALS, COLORS, AND TEXTURES

Materiality of new buildings should be compatible with materials, colors, and textures in the District. Implementation of masonry and stuccoes masonry as a major material is encouraged.

(Careful attention must be paid to color/texture/ size of brick, width of brick joints, and color/profile of joints in new brick work)

#### 6. REAR/SIDE WALLS AND ROOFS

Non-street elevations should be simple, masonry clad with or without windows. Effort should be made to obscure views of roof top mechanical units and electrical equipment.

#### 7. SPECIAL FEATURES (I.E. LOADING DOCK, ENTRY CANOPIES. CAST-STONE LINTELS/SILLS/ CORNICES, WATER TOWERS)

Effort should be made to incorporate special features, though they should not dominate or distract from integrity of design.

#### 8. SIGNAGE

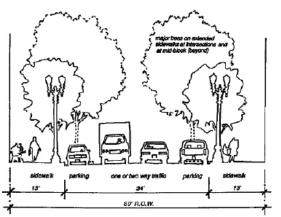
Signage of principal (street) elevations should not be a dominate facade feature. Lettering painted on windows, or interior signage does not require review. Indirectly lit lettering mounted above storefront permitted. Contemporary plastic, backlit signage is discouraged.

Historic District Guidelines Overview

**NW 13TH AVENUE HISTORIC DISTRICT** 

River District Right-of-Way Standards (revised AUG. 2012):

#### **NW GLISAN STREET**



Typical New or Redeveloped River District Street

Right-of-Way: 60 feet Roadway: 36 feet

Sidewalks: 12 feet both sides

**Curbline:** May be extended at corners Circulation: One or two-way, two lanes

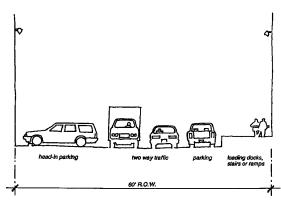
Parking: Allowed both sides

Street Trees: Uniform plantings, upright

street trees

**Street Lighting:** Twin Ornamental Lights Parking Access: Driveway for vehicular access to off-street parking should preferably be located near mid-block, away from intersections. Design should emphasize that vehicles are crossing a pedestrian zone (garage ramps perpendicular to the street direction are encouraged, ramps parallel to the street direction are discouraged)

#### **NW 13TH AVENUE**



13th Avenue With Loading Docks

Right-of-Way: 60 feet Roadway: 22 feet travel lane

Sidewalks: None. Loading docks, pedestrian stairways and ramps allowed in lieu of sidewalks (maximum

11' projection). Curbline: None

Circulation: Two-way, two lanes

Parking: Parallel to docks, head-in parking at locations without docks.

Street Trees: None.

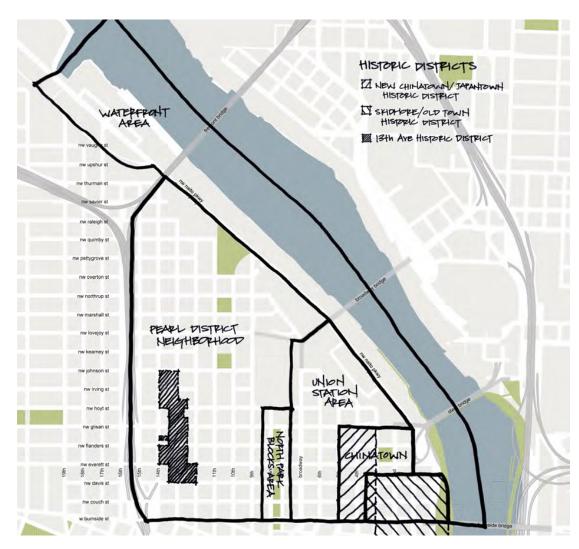
Street Lighting: Cobra Lights

Parking Access: Driveway access to off street parking not permitted on 13th

Avenue (requires adjustment).

River District Design Guidelines (revised NOV. 2012):

#### SPECIAL AREAS WITHIN THE RIVER DISTRICT



RIVER DISTRICT DESIGN GUIDELINES | 2008

"River District Design Guidelines will not be applied to design review within historic districts if the historic district contains its own set of design guidelines"





Height Limit: 100 feet

Land Use Classification: Central Employment

(EX)

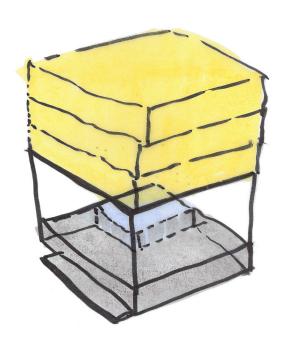
Plan District: Central City Plan District

**District:** NW 13th Ave. Historic Design District (d), use River Distric Design Guidelines

#### **BONUS OPTIONS AVAILABLE:**

Eligible for bonuses, but max increase of 3:1, 75 feet through bonuses. Total potential FAR for site is 9:1, 175 feet with bonuses.

- If FAR bonus of over 1:1 and less than 2:1 is earned, bonus 15' height.
- If FAR bonus over 2:1 and less than 3:1 is earned, bonus 30' height.
- -If FAR bonus of 3:1 is earned, bonus 45' height.
- -Housing height bonus of up to 75' (subject to review).

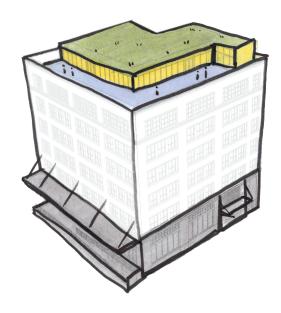


#### **BONUS: LOCKER ROOM**

For each square foot of area committed to locker room facilities, 40 square feet of additional floor area is earned.

#### To qualify for the bonus:

a. must include showers, dressing area, and lockers b. all building tenants must have access c. At least 110% of required long-term bicycle parking for the site must be provided and must meet the standards of 33.266.220.B., Long-term Bicycle Parking.



**PARKING AREAS** 

Total: 23,300 SF

Parking level 1: 7,650 SF

Parking level 2: 8,325 SF

Parking level 3: 7,325 SF

Total Parking Count: 45 spaces

#### PROJECT FAR SUMMARY

Lot Size: 10,000 SF

First Floor: 9,600 GSF
- (Retail: 3,600 GSF)
Second Floor: 9,834 GSF
Third Floor: 9,834 GSF
Fourth Floor: 9,834 GSF
Fifth Floor: 9,834 GSF
Sixth Floor: 9,834 GSF

FAR: 6.32 (63,245/10,000)

Penthouse:

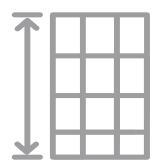
#### LOCKER ROOM BONUS EARNED:

Locker Room 1: 297 SF Locker Room 2: 282 SF Total: 579 SF

40 sf per Locker Room = 23,160 Floor Area Earned FAR Earned = 2.16 (23,160 SF/10,000 SF)
Total Allowable FAR for Site and Program = 8.16:1

4,475 GSF

F.A.R. / Zoning Summary



#### 1. SCALE + MASSING

#### **Commission Comments:**

A. 6 stories with a set-back penthouse is approvable and appropriate.

B. Penthouse elements should not cause the building to appear as a 7-story building.

#### **Project Response:**

A. The project is proposed as 6 stories with a set-back penthouse.

B. Project proposes that penthouse elements are set back and disconnected from the planes of all major facades.



#### 2. STREET FRONTAGE

#### **Commission Comments:**

A. Consider decreasing the scale of the opening at the Glisan Street garage door.

B. Consider decreasing the scale of the concrete base at Glisan Street.

#### **Project Response:**

A. Project proposes a canopy over the garage entrance to visually break up the scale of the opening, especially at the pedestrian scale.

B. Project proposes boardform concrete at the base to provide scale and texture. Metal louvers with integrated benches, as seen on neighboring buildings, are also proposed to break scale of the base and enliven the human experience on Glisan Street.



#### 3. ROOFTOP LEVEL

#### **Commission Comments:**

A. Consider simple, industrial style for penthouse materials that do not distract from main brick mass of the building.

B. Penthouse elements should not cause the building to appear as a 7-story building.

#### **Project Response:**

A. Proposed materials are light colored to blend into sky and not distract from the bulk of the building.

B. Project proposes that penthouse elements are set-back and disconnected from the planes of major facades. The parapet acts as a natural guardrail so no additional guardrail element is needed. The deep cornice reduces sightlines of the penthouse from the street.



#### 4. WINDOWS

#### **Commission Comments:**

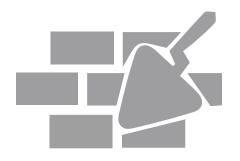
A. The proportions of windows and divisions of mullions are appropriate.

B. Consider reducing size of metal spandrel panel in the ground level storefront system.

#### **Project Response:**

A. Additional detailing of windows are shown in the package to demonstrate window depth.

B. Project proposes a reduced spandrel panel at a size that accommodates concealing the structural support for the storefront system.



#### 5. MATERIALS + DETAILS

#### **Commission Comments:**

A. Proposed materials of blended brick, concrete, dark painted steel, and limited wood is appropriate. Consider less detailed treatment of "end" walls at North and East.

B. Proposed continuation of windows onto North facade is acceptable.
Consider extending line of brick.

#### **Project Response:**

A. Project proposes simple stuccoed or painted masonry units at East facade.

B. Pending agreement with neighboring building, project proposes extending brick line up to 70 feet on the North facade, with stuccoed or painted masonry adjacent to this brick.

# CONTEXT

### **LEGEND**

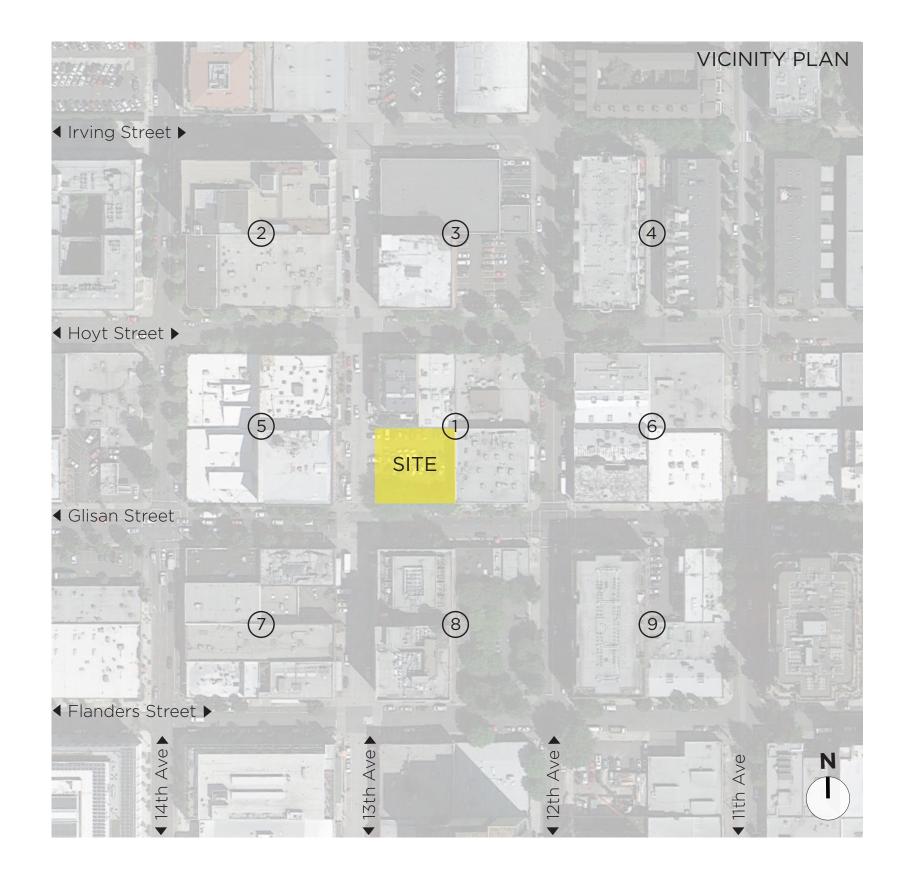




Context Map

### LEGEND

- 1 Site, Mixed Uses Office, Retail, Residential
- 2 Mixed Uses Office and Retail
- 3 Mixed Uses Office and Retail
- 4 Mixed Uses Office, Retail, Residential
- 5 Mixed Uses Office and Retail
- 6 Mixed Uses Office and Retail
- 7 Mixed Uses Office and Retail
- 8 Mixed Uses Office and Retail
- 9 Mixed Uses Office and Retail



Vicinity Plan

### **VICINITY AERIAL - BUILDING HEIGHTS**

105' 92' The Avenue Lofts: 105 ft. / 92 ft. Irving Street Lofts: 117 ft / 105 ft. -Keen: 72 ft. -Modern Confectionary Lofts: 47 ft. -67' 85' 55' SITE Vestas: 67 ft. — Chown Pella Lofts: 85 ft. / 55 ft. 70' 156' The Casey: 187 ft. — The Gregory Lofts: 156 ft. Outline of the 13th Avenue Historic District -

Vicinity Aerial / Building Height Study





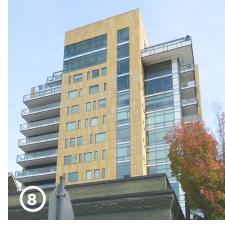




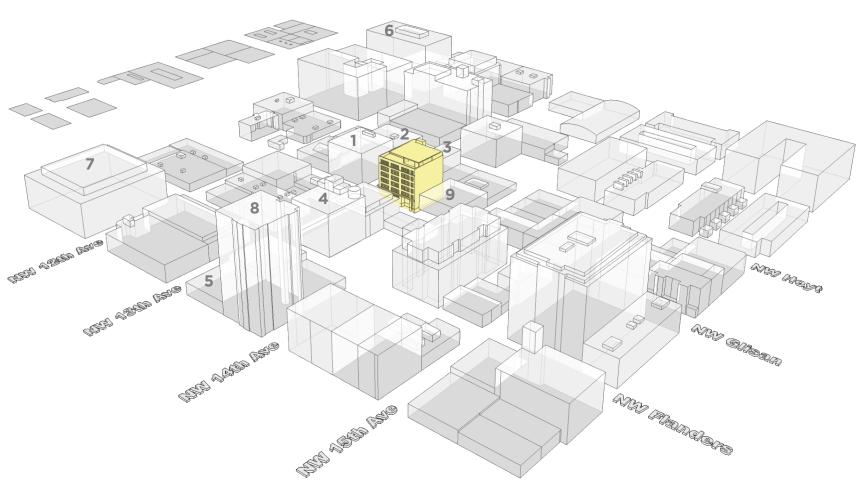












There are a variety of tones, textures, and proportions in the neighborhood. The project design has the opportunity to take these aspects into consideration, while respecting the historic nature of NW 13th Ave.



CONFECTIONARY LOFTS COURTYARD



SITE AT GLISAN LOOKING EAST



NW CORNER OF 13TH AND GLISAN



LOADING DOCK AT CONFECTIONARY LOFTS



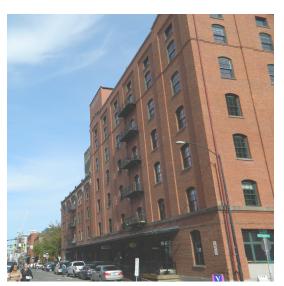
KEEN BUILDING



SITE LOOKING NORTH



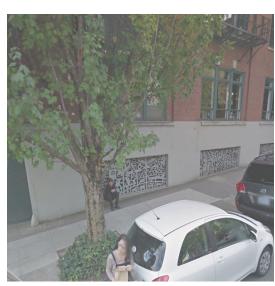
HISTORIC BUILDINGS AT WEST SIDE OF 13TH



13TH AT CHOWN PELLA LOOKING NORTH

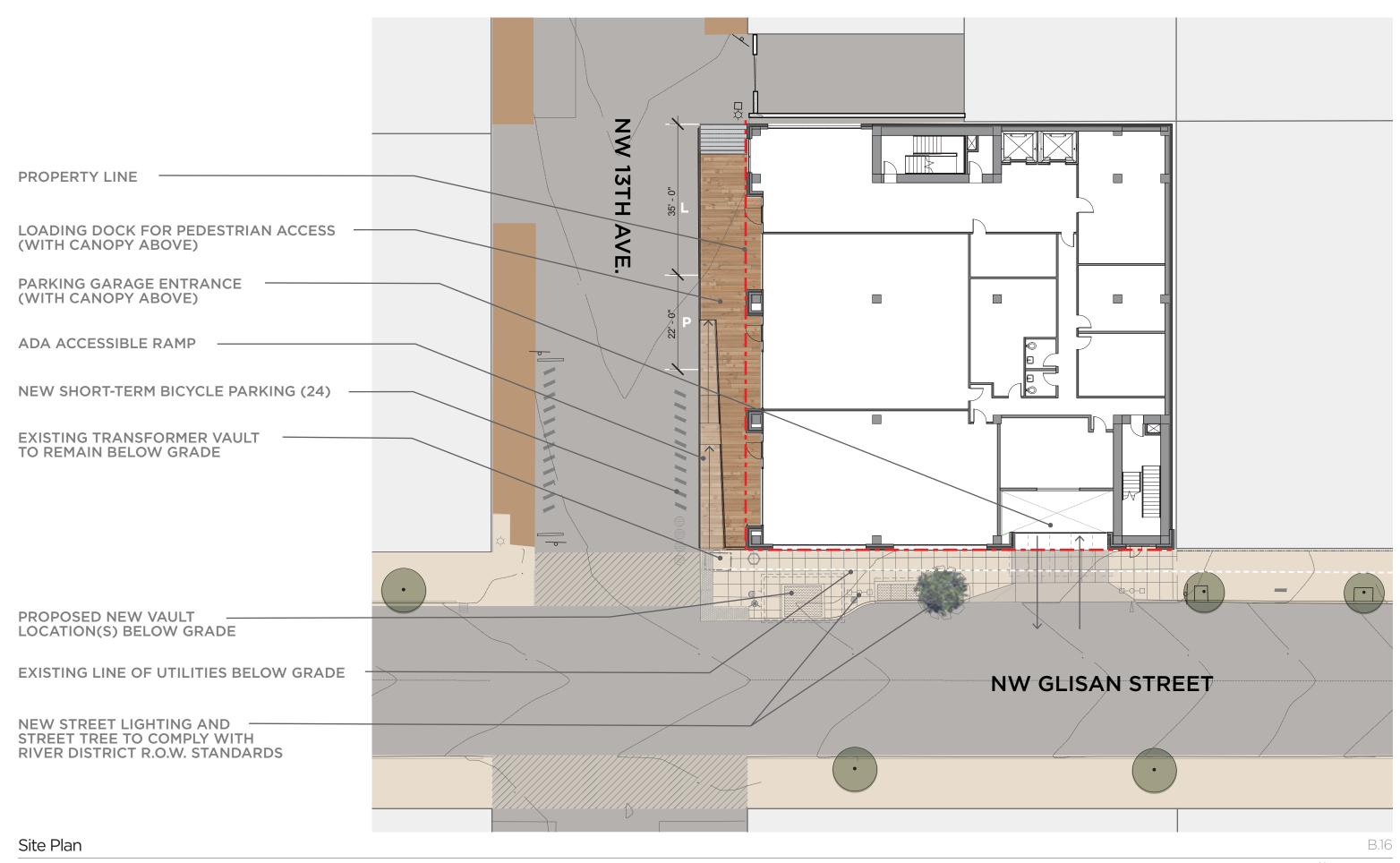


13TH ON BARISTA LOADING DOCK

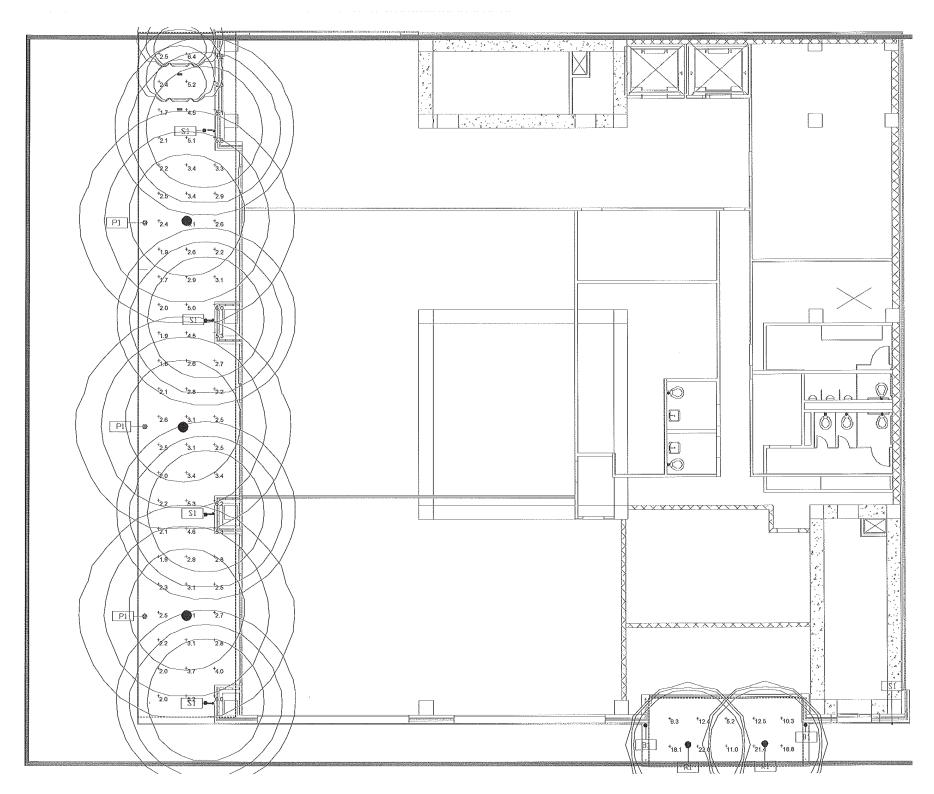


CHOWN PELLA CONCRETE BASE ON GLISAN

# SITE AND PROGRAM



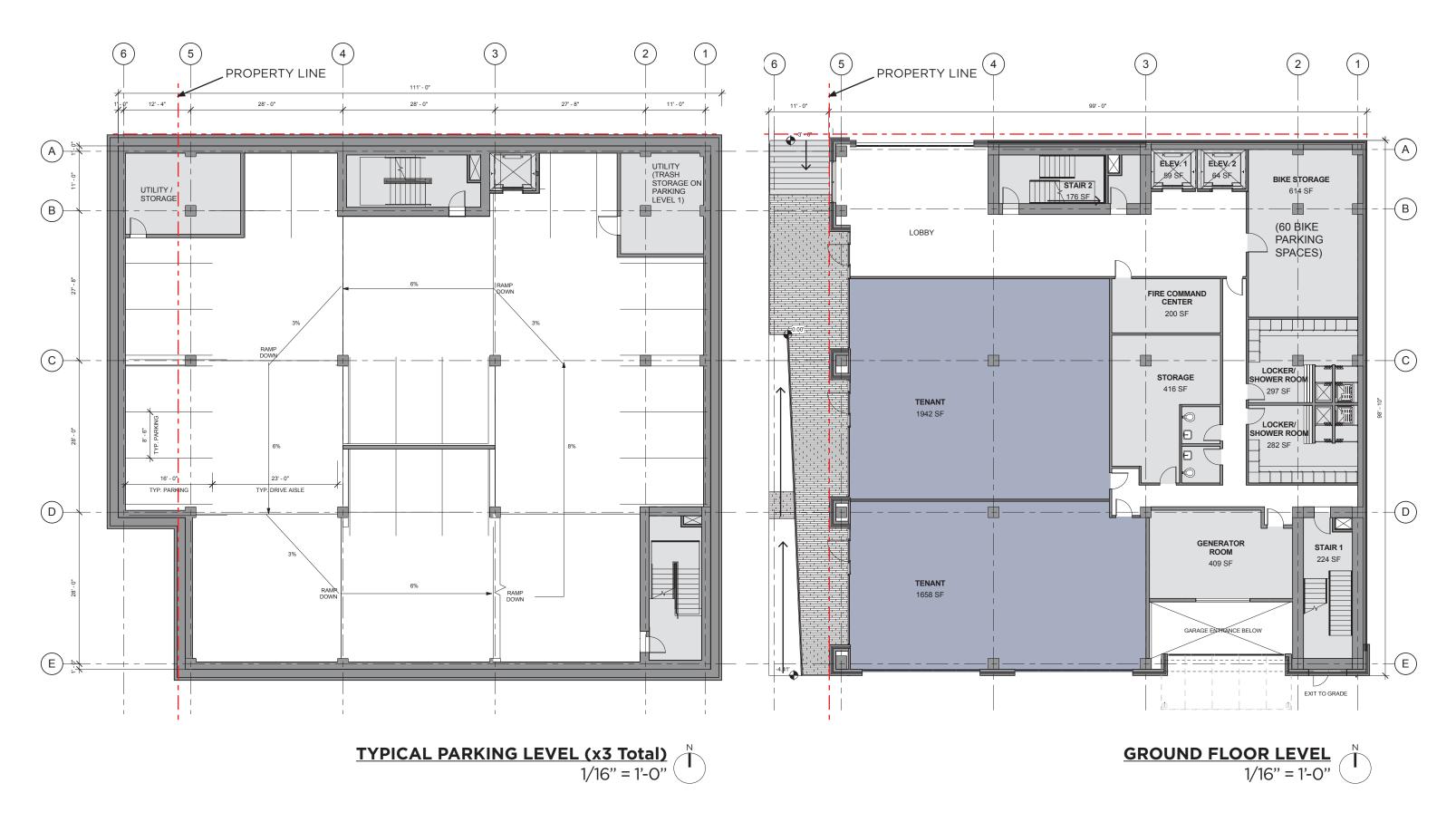
**Pearl Building East** 



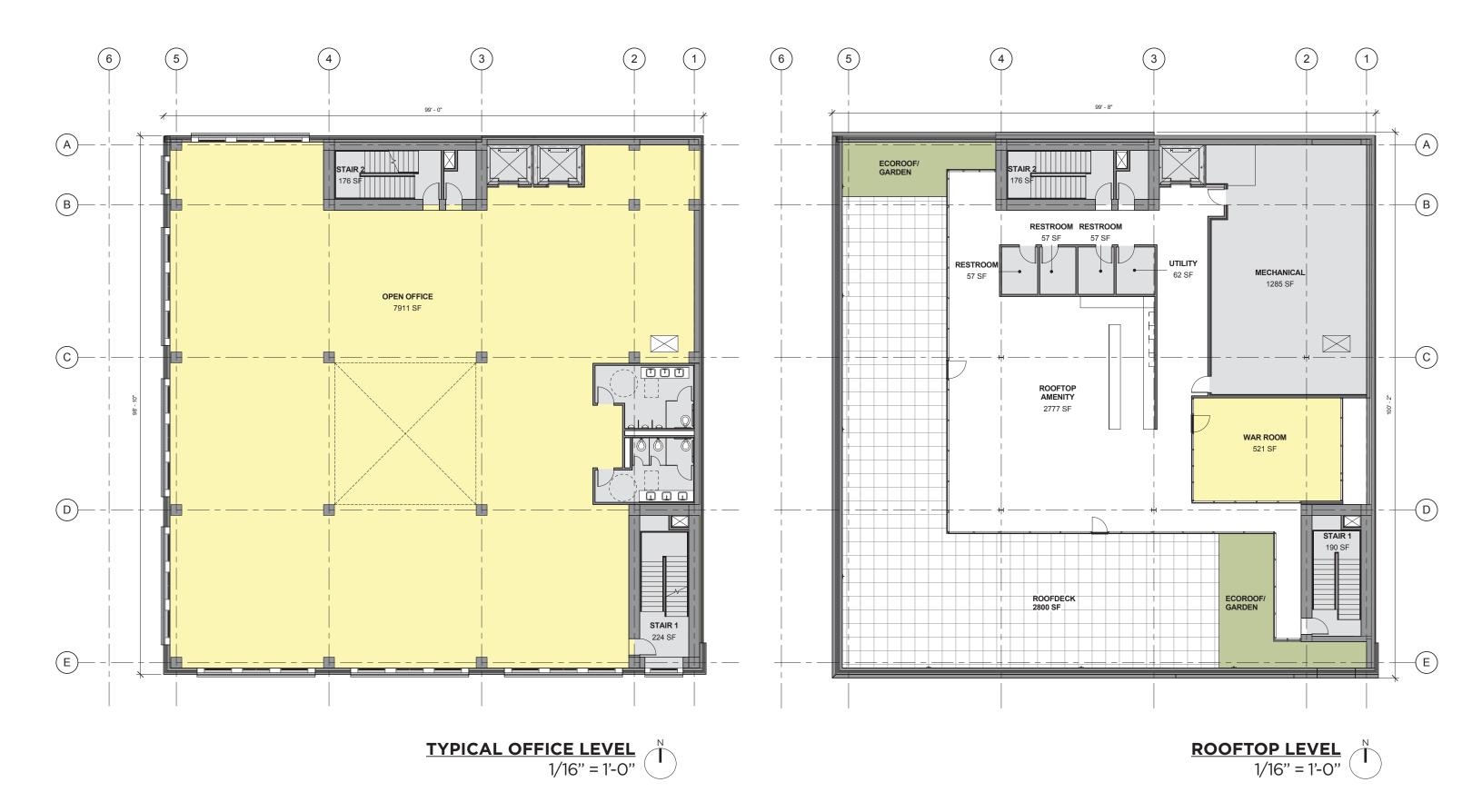
Lumin	Luminaire Schedule											
Symbo	d] [	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
		B1	2	TRI-LITE		Rotating Amber Warning Beacon Light		1	LTL11476.IES	0	1	3
0		P1	3	TMS Lighting	ABB-0-20-100INC-C48- -F-16-G11	CREE LED LAMP	ONE CREE	1	LTL11476.IES	1600	1	36
		R1	2	Jose, CA USA		"XSM80xx-3000-C with XSA-43 (41deg 134mm plastic reflector)"	"Xicato XSM80xx-3000-C - typical module at 70C, 1050mA, 80CRI(min)"	1	CORE 400_2000lm_4 1 degree.les	3000	1	45
		S1	4		VXHT25GP WALL MOUNTED	CREE LED LAMP	ONE CREE	1	LTL11476.IES	1600	1	36
	S	TEP	2.	BEGA/US	22 382	CAST ALUMINUM HOUSING, CLEAR GLASS ENCLOSURE ABOVE STEPPED ALUMINUM FACEPLATE.	5 WHITE LEDS	1	22382.les	154.7382	1	7.5

Statistics							
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	Avg/Max
Garage Exit / Entrance	+	14.1 fc	22.0 fc	5.2 fc	4.2:1	2.7:1	0.6:1
Pearl East Exterior	+	3.2 fc	6.4 fc	1.2 fc	5.3:1	2.7:1	0.5:1

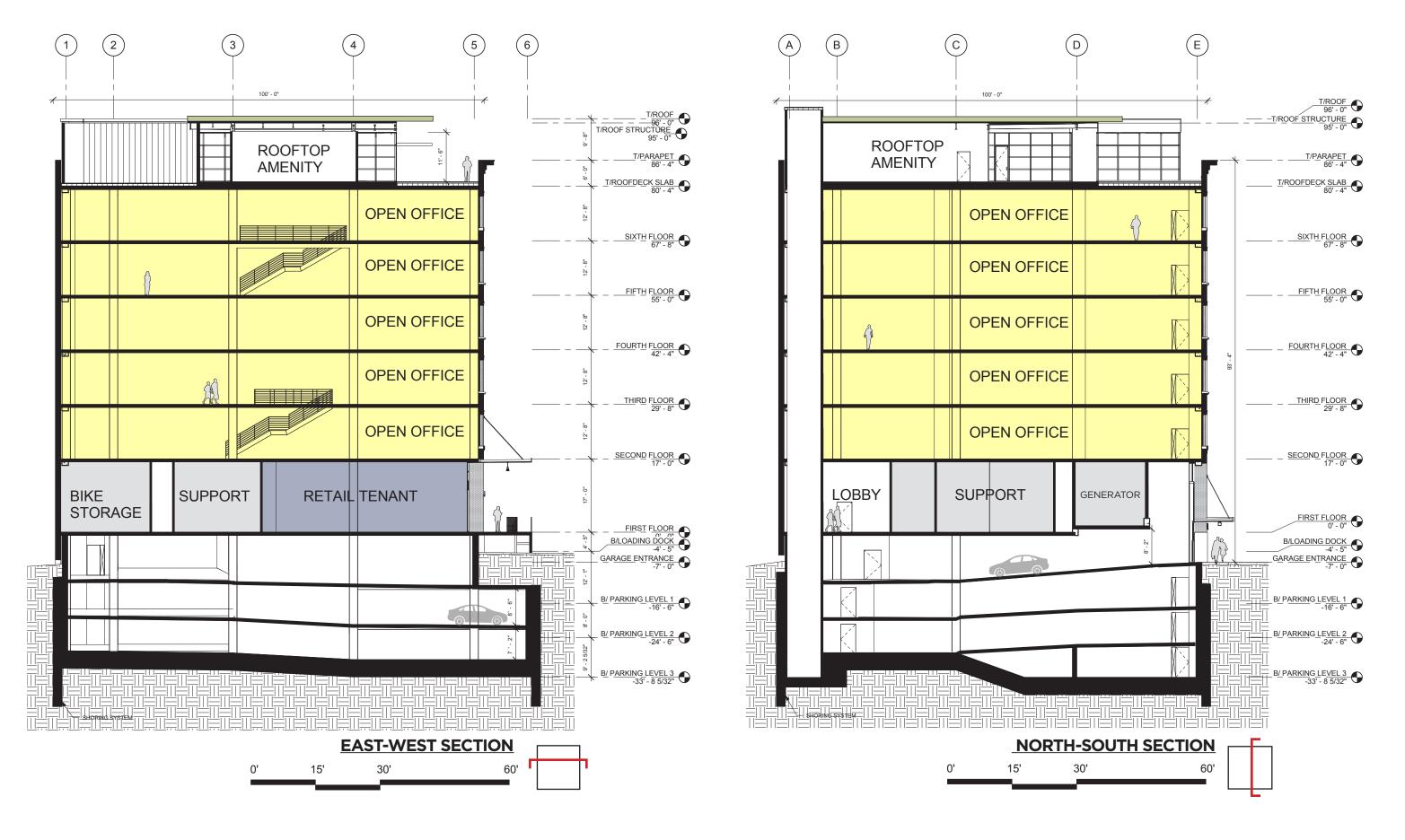
Site Lighting Photometric Plan



Floor Plans



Floor Plans

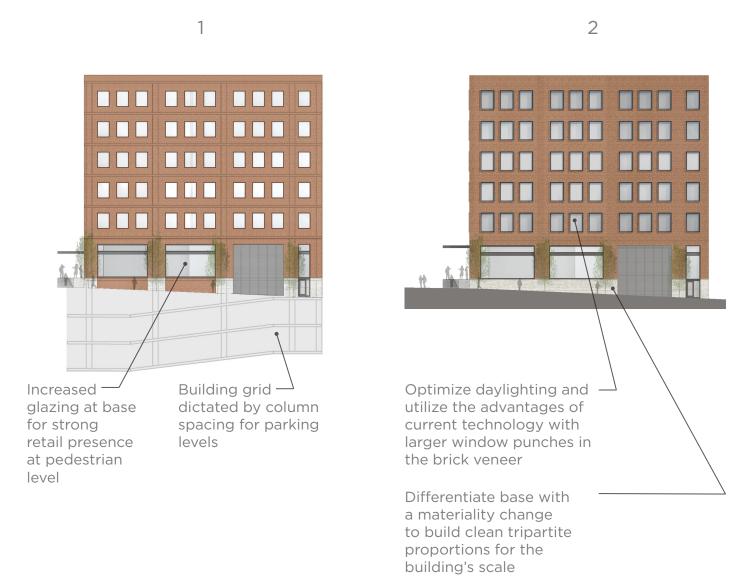


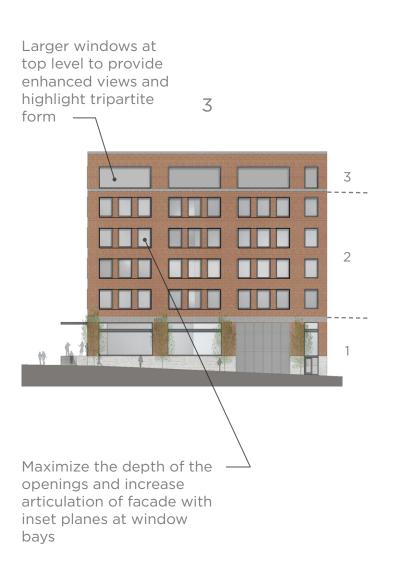
**Building Sections** 

# BUILDING DESIGN

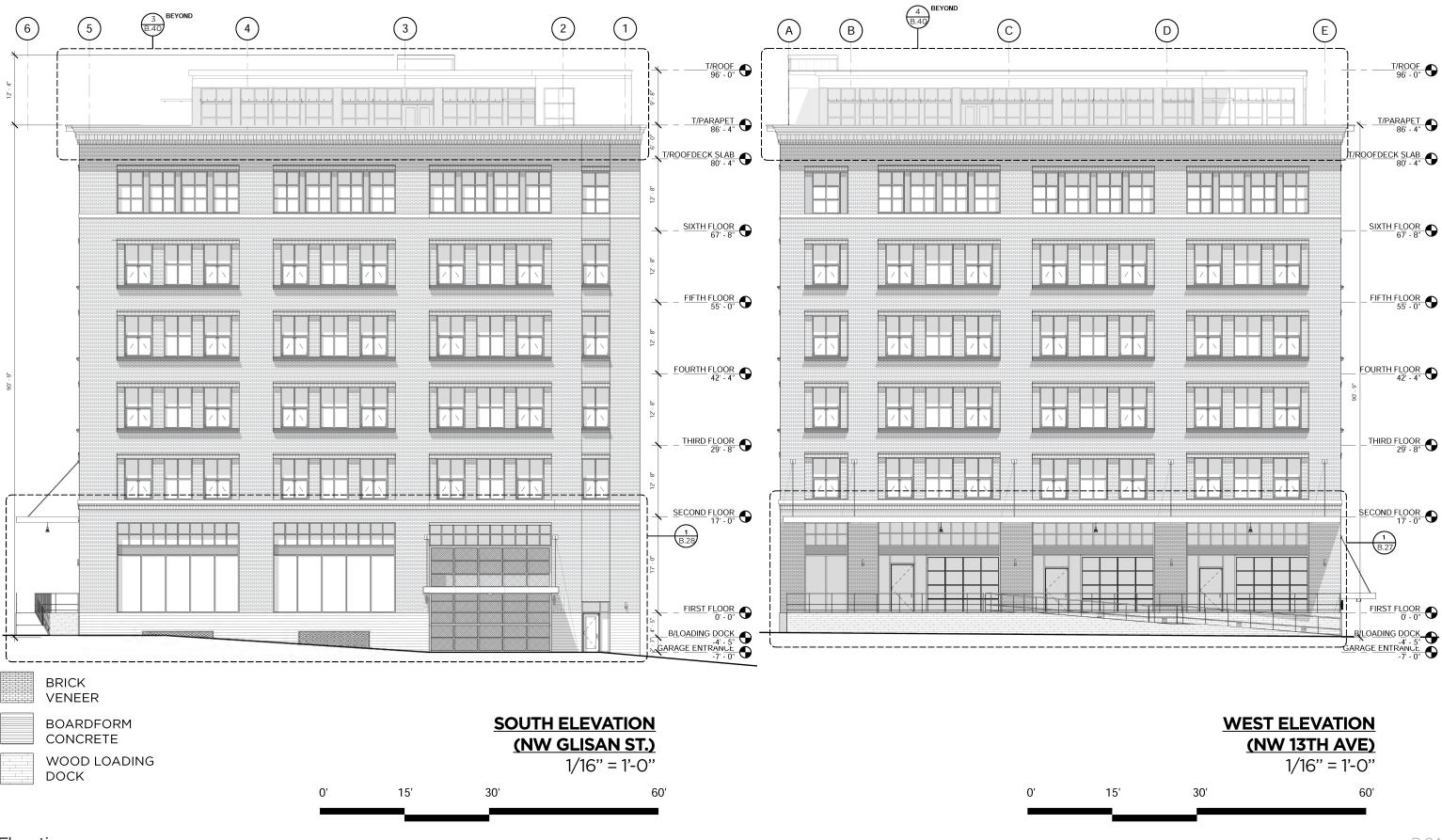


Street View Perspective - Corner of NW 13th and Glisan







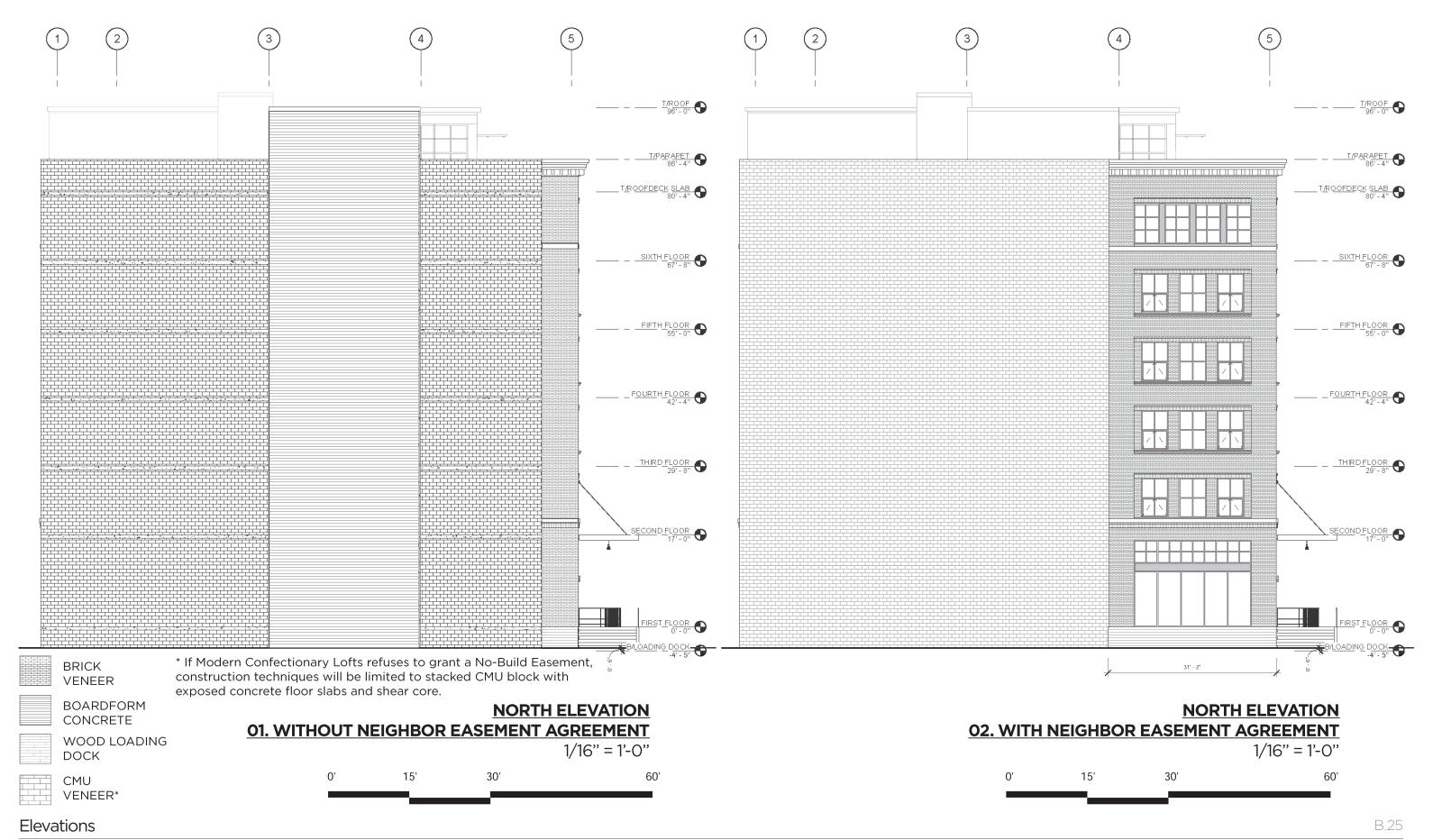


Elevations

B.24

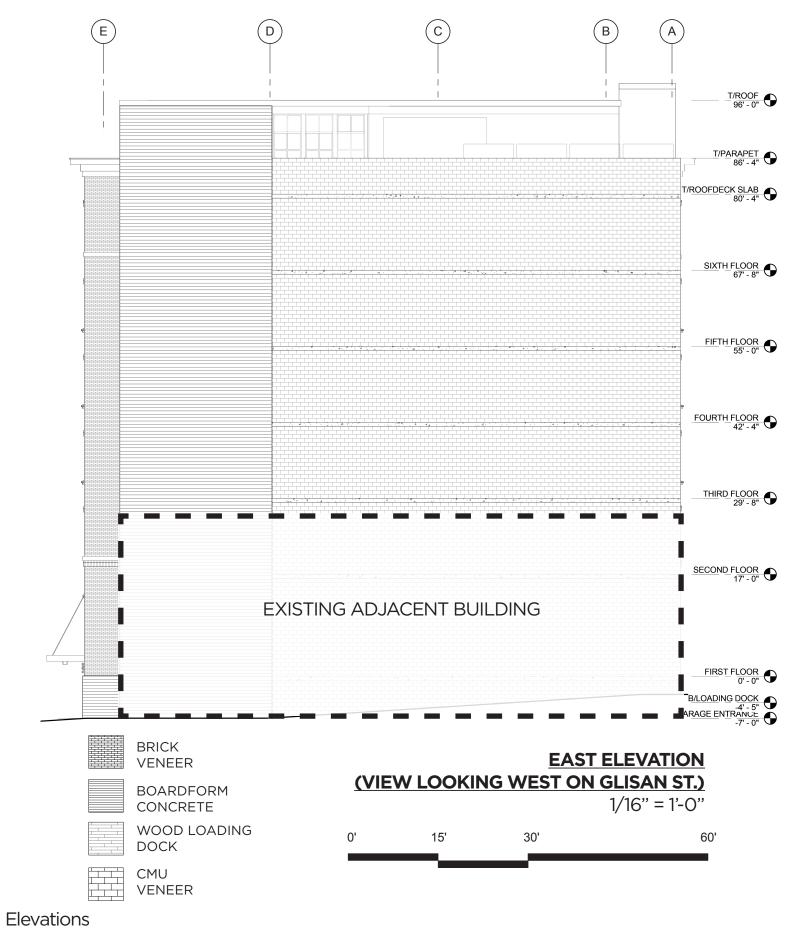
Pearl Building East LU 16-153002 HRM AD

M.



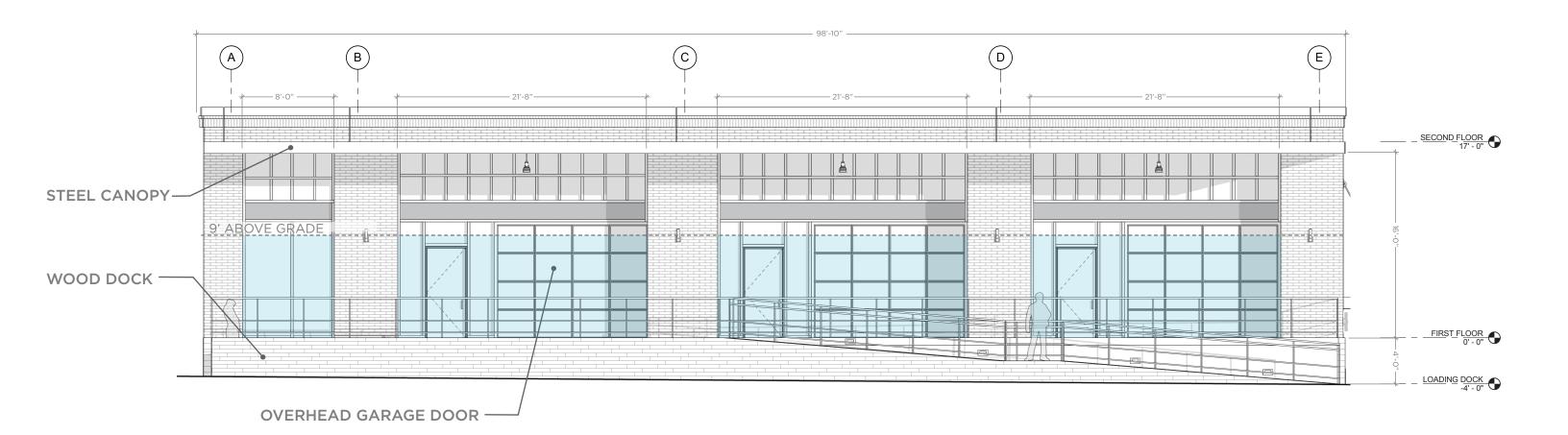
Pearl Building East LU 16-153002 HRM AD

M



Pearl Building East

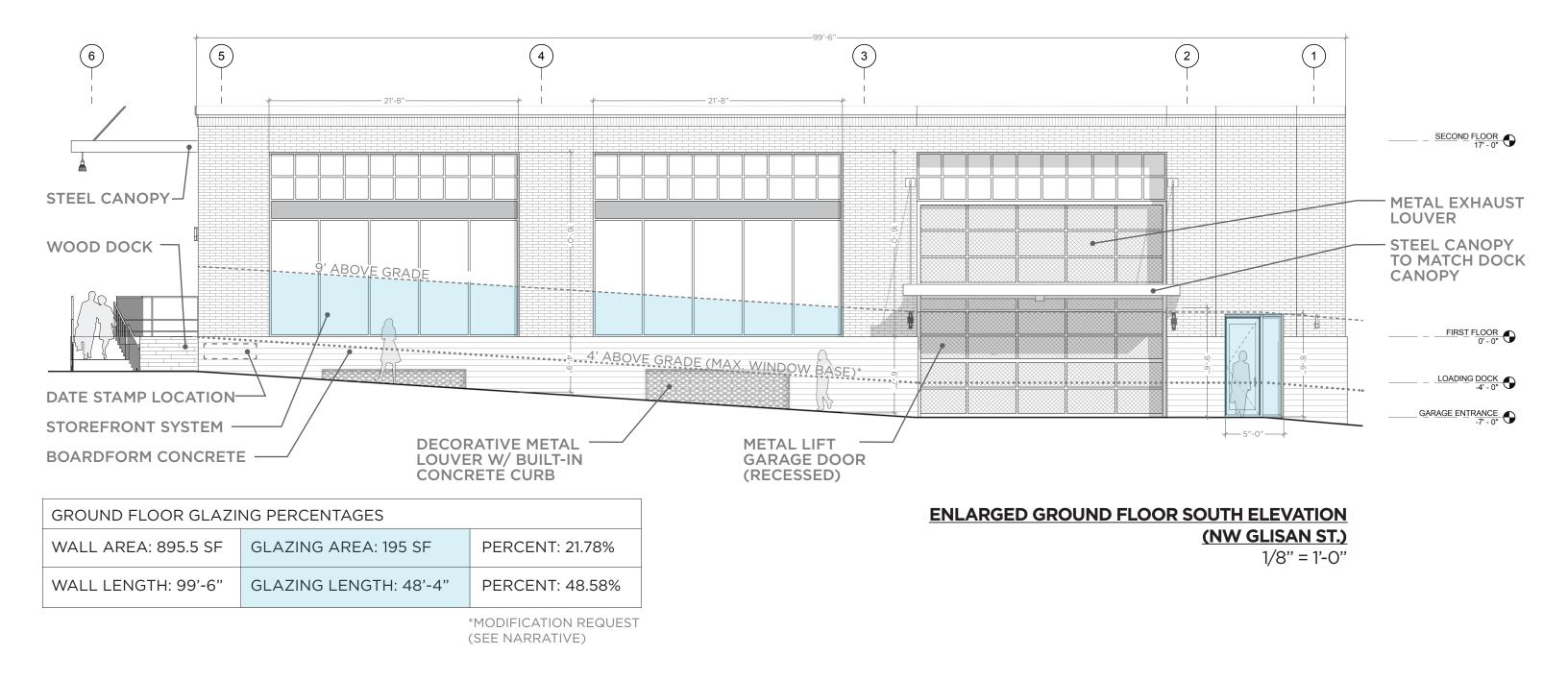
LU 16-153002 HRM AD

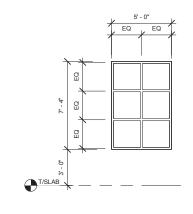


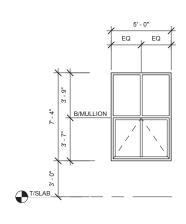
GROUND FLOOR GLAZING PERCENTAGES					
WALL AREA: 889.5 SF	GLAZING AREA: 656.44 SF	PERCENT: 73.80%			
WALL LENGTH: 98'-10"	GLAZING LENGTH: 73'-0"	PERCENT: 73.86%			

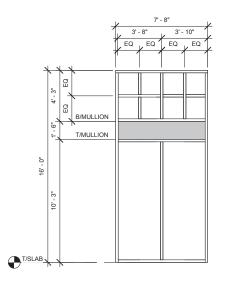
ENLARGED ENTRY WEST ELEVATION
(NW 13TH AVE)
1/8" = 1'-0"

Enlarged NW 13th Avenue Elevation







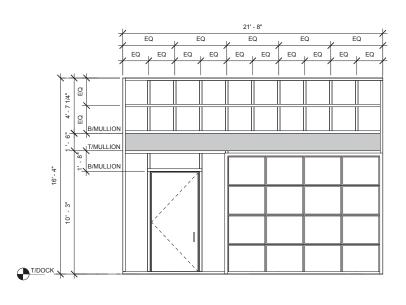


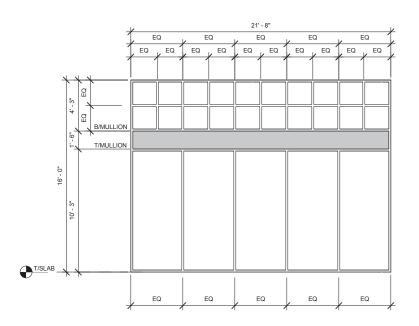
A. TYPICAL 6TH FLOOR WINDOW

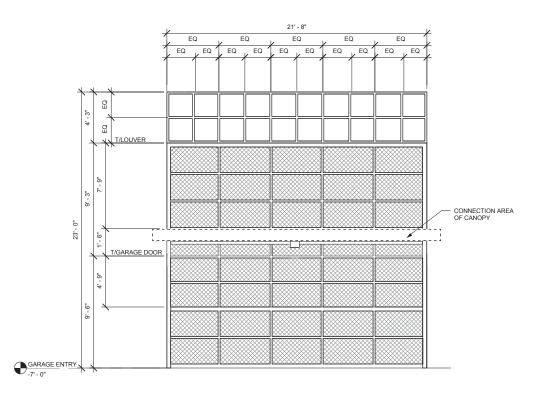
B. TYPICAL OFFICE LEVEL WINDOW, **OPERABLE** 

C. TYPICAL OFFICE LEVEL WINDOW, NON-OPERABLE

D. FIRST FLOOR STOREFRONT, NW CORNER OF 13TH AVE







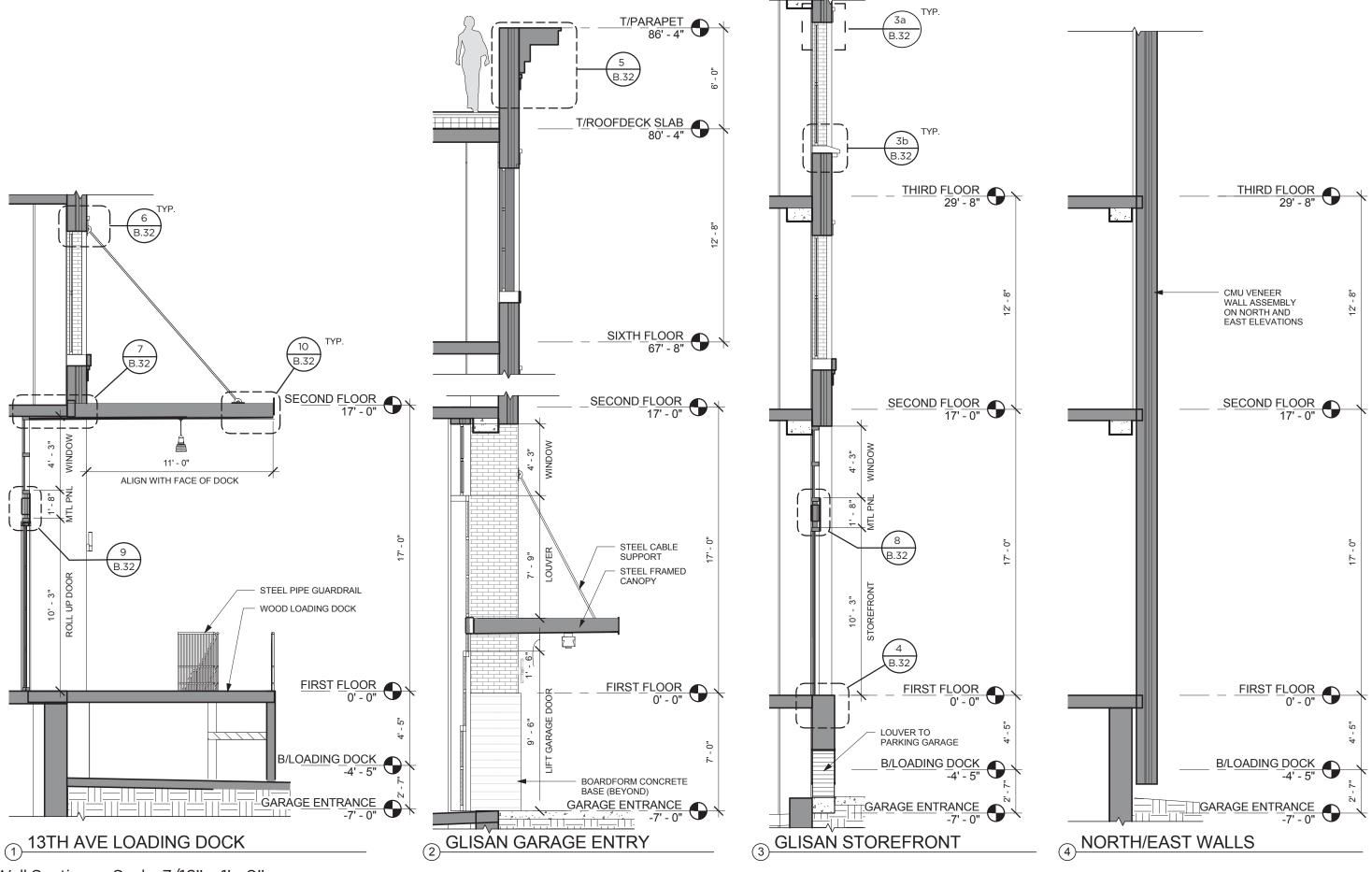
E. TYPICAL 13TH AVE WINDOW BAY

F. TYPICAL GLISAN STREET WINDOW BAY

F. GLISAN STREET VERTICAL LIFT GARAGE DOOR AND LOUVER ABOVE



Initial Design Sketch

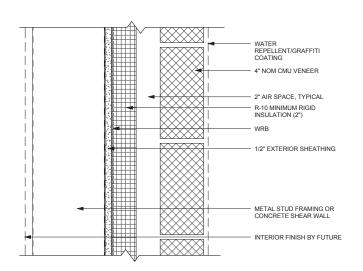


Wall Sections - Scale: 3/16" = 1' - 0"

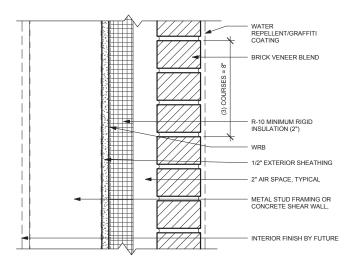
**Pearl Building East** LU 16-153002 HRM AD

B.3

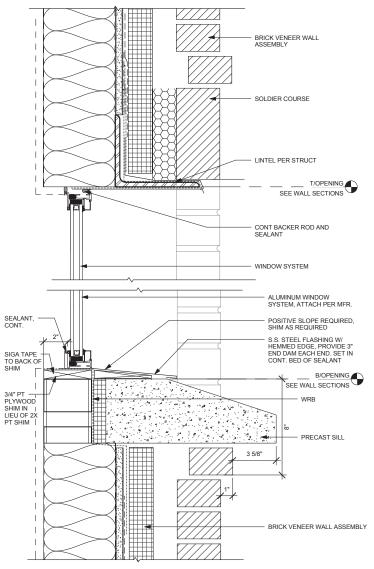
M



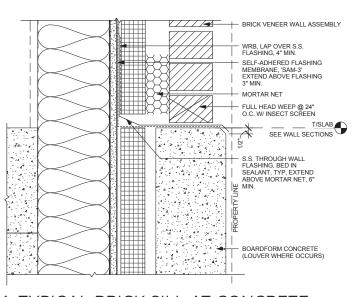
## 1. CMU VENEER WALL ASSEMBLY



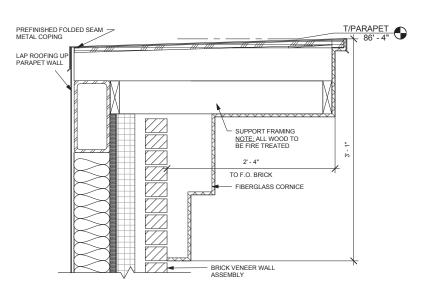
2. BRICK VENEER WALL ASSEMBLY 11/2" = 1' - 0"



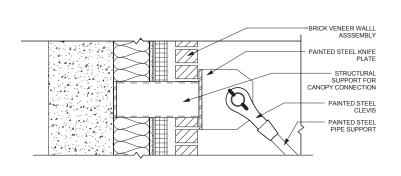
3. TYPICAL WINDOW HEAD (a) AND SILL(b)



4. TYPICAL BRICK SILL AT CONCRETE 11/2" = 1' - 0"

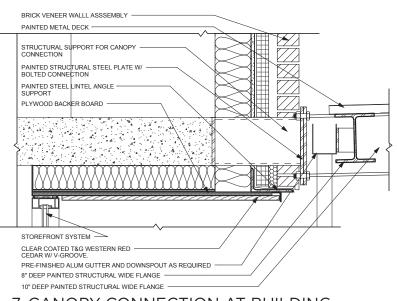


5. CORNICE DETAIL AT PARAPET

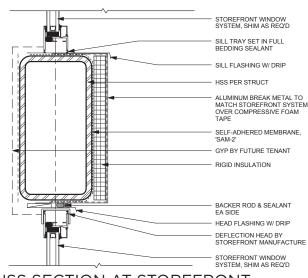


**6. CANOPY SUPPORT BRACKET** 

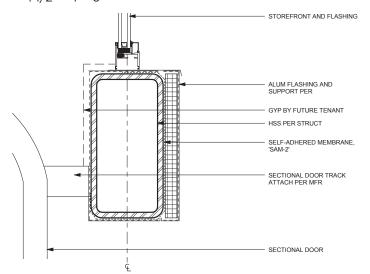
3/4" = 1' - 0"



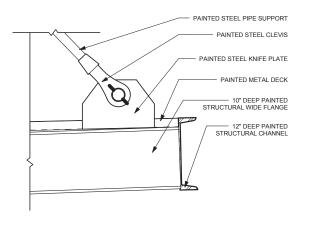
7. CANOPY CONNECTION AT BUILDING 3/4" = 1' - 0"



8. HSS SECTION AT STOREFRONT



9. HSS SECTION AT SECTIONAL DOOR



3/4" = 1' - 0"

10. CANOPY EDGE

Details

**Pearl Building East** LU 16-153002 HRM AD



### Materials













POWDER-COATED STEEL WOOD

Sightline Study and Exterior Materials

M.



Street View Perspective - Looking West on NW Glisan Street



#### **DESIGN ADVICE REQUEST COMMENTS**

- 1. LOWER AND/OR MITIGATE TALL HEIGHT OF GARAGE DOOR
- 2. REVISE THE GARAGE DOOR AND EXIT DOOR
- 3. BASEMENT LEVEL BELOW THE STOREFRONT WINDOWS NEEDS ADDITIONAL DESIGN REFINEMENT



#### **DESIGN IN RESPONSE**

- 1. RESPONSE: ADDED CANOPY AT A PEDESTRIAN SCALE TO BREAK UP PLANE OF OPENING. GARAGE DOOR AND LOUVERS SET BACK FOUR FEET TO CREATE ADDITIONAL DEPTH IN THE FACADE.
- **2. RESPONSE:** ADJUSTED PATTERNING AND SEGMENTATION OF GARAGE DOOR AND LOUVERS. REMOVED WINDOW AND TRANSOM ABOVE EXIT DOOR TO ESTABLISH HIERARCHY.
- **3. RESPONSE:** ADDED DECORATIVE LOUVERS BELOW RETAIL WINDOWS TO BREAK UP CONCRETE BASE.

NW Glisan Street Elevation Design - Before and After Design Advice Request



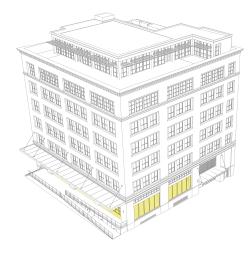
STOREFRONT ABOVE CONCRETE BASE - 240 SE CLAY ST.



SECTIONAL OVERHEAD DOOR



MEDITERRANEAN EXPLORATION CO. - PEARL DISTRICT



RETAIL STOREFRONT



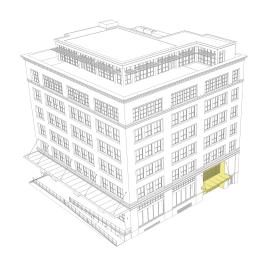
NW 13TH AND MARSHALL - PEARL DISTRICT



CANOPY ABOVE LIFT GARAGE DOOR -THE CASEY, PEARL DISTRICT



METAL WIRE GARAGE DOOR, SITKA APARTMENTS, PEARL DISTRICT



GARAGE DOOR

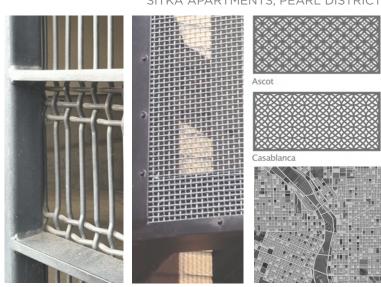


THE UNION APTS. DECORATED LOUVERS

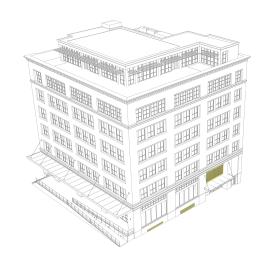
NW Glisan Street Material Options and Precedents



DECORATIVE LOUVER SCREENS; LARGE CONCRETE BASE - CHOWN PELLA , NW 13TH AND GLISAN



SCREEN / LOUVER DETAILING OPTIONS TO CREATE ADDITIONAL PEDESTRIAN INTEREST ON GLISAN



DECORATIVE LOUVERED EXHAUST SCREENS

D 76

Pearl Building East LU 16-153002 HRM AD

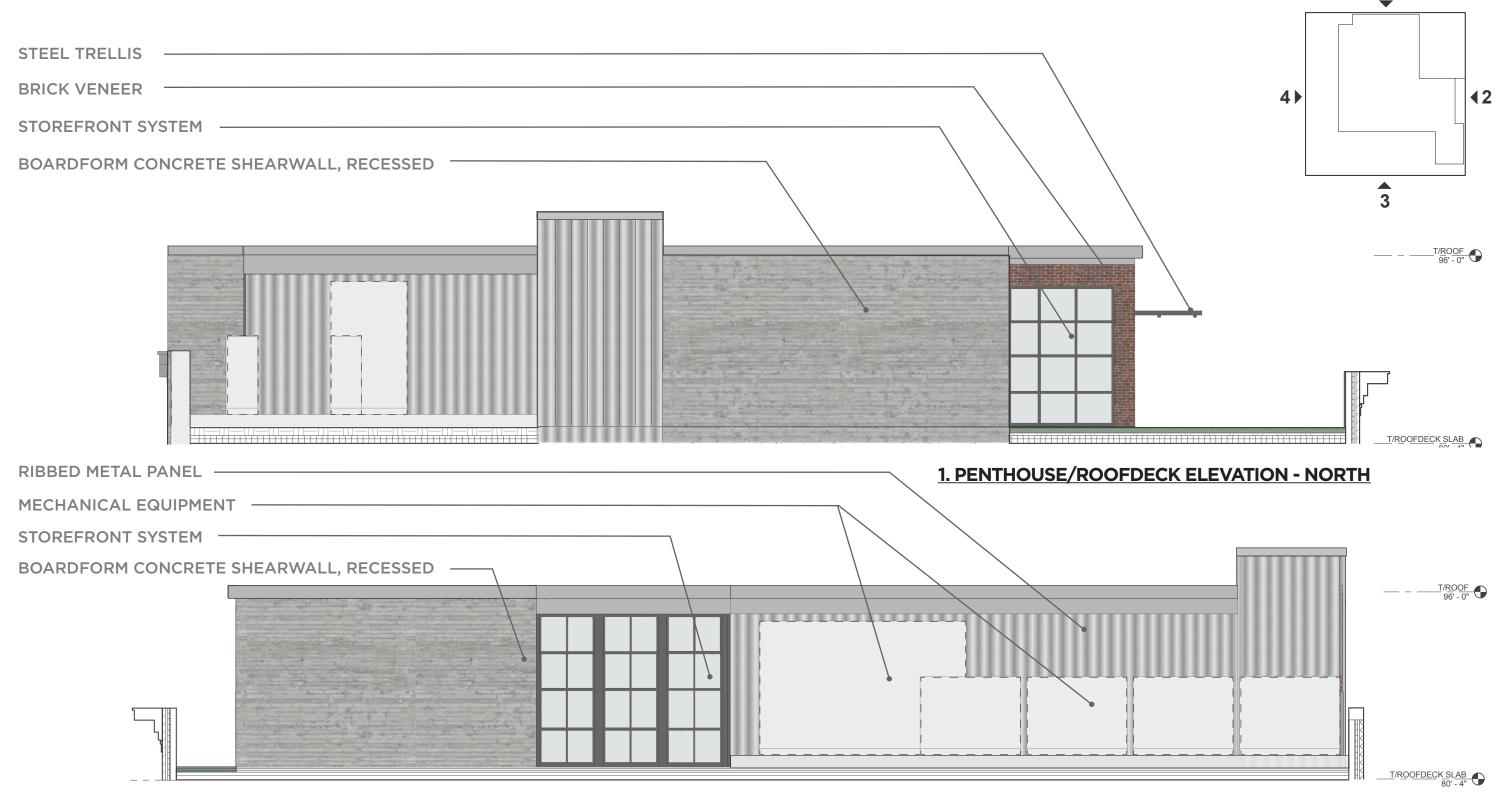


Street View of NW Glisan Street Elevation Looking West

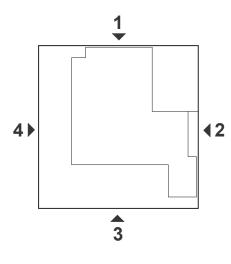
D.3/



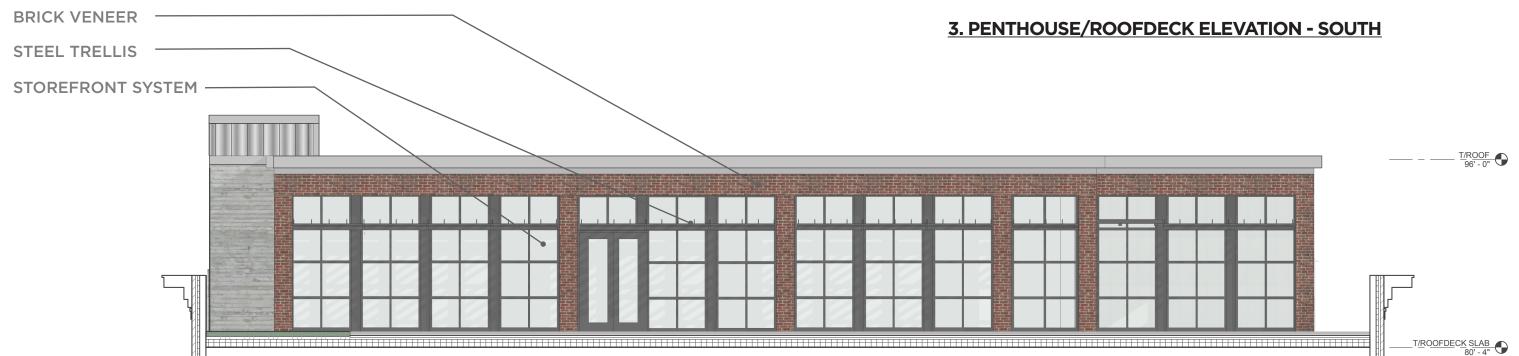
Penthouse/Roofdeck View



2. PENTHOUSE/ROOFDECK ELEVATION - EAST







4. PENTHOUSE/ROOFDECK ELEVATION - WEST









KELSEYI DOGWOOD - SUMMER



MEIDILAND ROSE



WILD STRAWBERRY



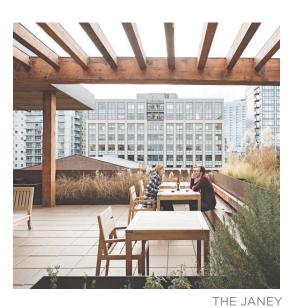
KELSEYI DOGWOOD - WINTER



TUMBLED GLASS / PEBBLES









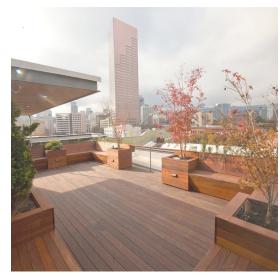
VESTAS



WASHINGTON HIGH SCHOOL REMODEL / REVOLUTION HALL



EASTSIDE EXCHANGE



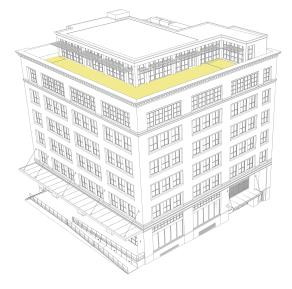
THE SOCIETY HOTEL



VELOMOR APARTMENTS



CULVER BUILDING





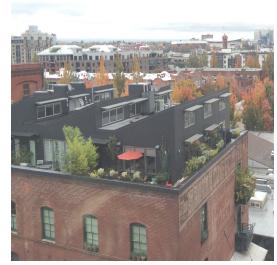




WEIDEN + KENNEDY



10 BARREL BREWING



MODERN CONFECTIONERY LOFTS



RESIDENCE



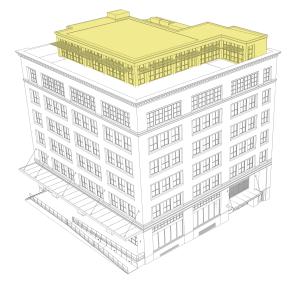
TELEGRAM BUILDING



FEDERAL RESERVE BUILDING



CULVER BUILDING



Local Penthouse Precedents









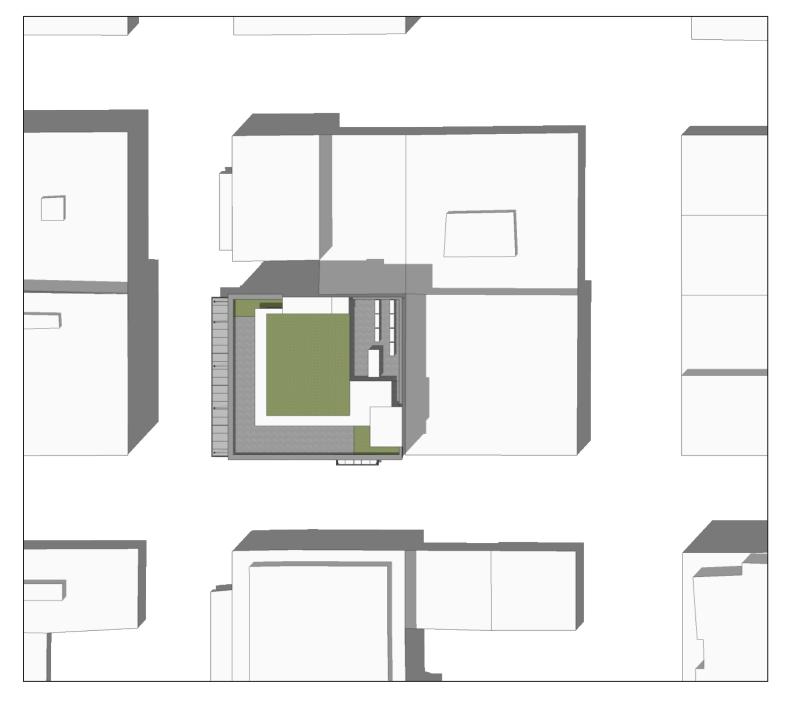


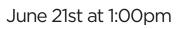
Above View: Corner of NW Hoyt and 12th (behind Oba)

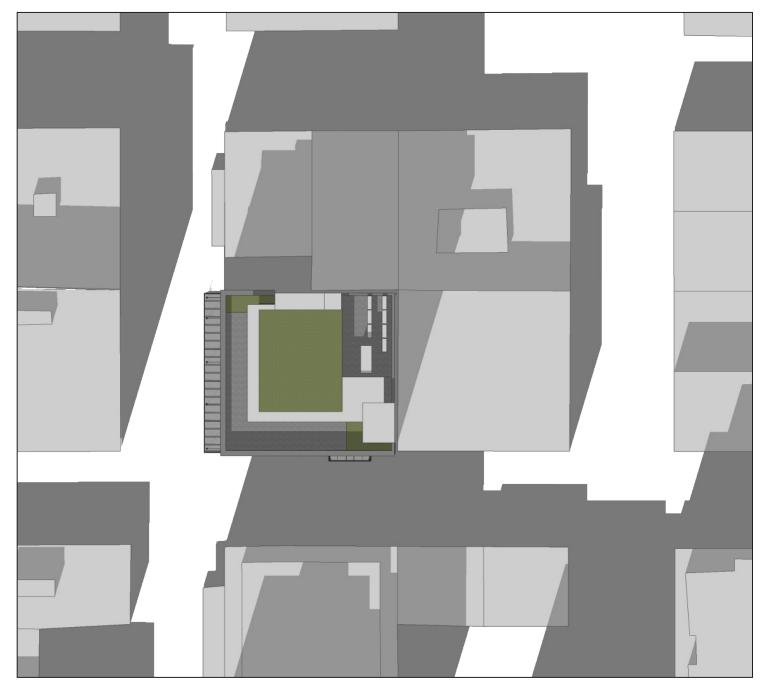
Penthouse Massing Study

Pearl Building East LU 16-153002 HRM AD B.45

M







December 21st at 1:00pm



Street View Perspective - Looking South on NW 13th Avenue

# EXHIBIT B APPENDIX A STORMWATER REPORT



P 503.224.9560 • F 503.228.1285 • W MCKNZE.COM RiverEast Center, 1515 SE Water Avenue, #100, Portland, OR 97214

Portland, Oregon • Vancouver, Washington • Seattle, Washington

**MEMORANDUM** 

**DATE:** April 14, 2016

TO: File

**FROM:** Brent Nielsen, PE

PROJECT NAME: Pearl East PROJECT #: 2150404.00

SUBJECT: Pearl East Stormwater Management – Design Review

The stormwater management system for the proposed Pearl East building has been designed to meet City of Portland standards for storm water quality treatment and discharge. These goals are achieved through a system of green roofs and subsurface infiltration. The facilities have been designed based on guidelines from the City of Portland 2014 Stormwater Management Manual.

The proposed building footprint covers the entire property at NW 13<sup>th</sup> Avenue and NW Glisan Street and includes green roof, traditional roof, and a canopy-covered pedestrian platform. Piped storm drainage from the site is provided through a combined sewer within NW Glisan Street.

# **Building Roof**

The Pearl East building roof will consist of a combination of green roof and traditional roof surfaces. As shown in the attached roof plan, the green roof covers approximately XX sf of the building, with the remainder covered by traditional roof. A metal canopy overhangs the pedestrian platform on the west side of the building.

Runoff from the building roof and canopy will be collected and piped to the subsurface infiltration facility below the parking garage.

Per the SWMM standards, roof runoff which is directly piped to a UIC facility does not require pollution reduction water quality treatment.

# Subsurface Infiltration

The proposed subsurface infiltration facility will be located below the parking garage levels and is sized to fully infiltrate the 10-year storm without surcharging the inlet pipes, and to handle the 100-year storm without backing up into the parking levels. The facility will consist of a single arch pipe chamber approximately 30 feet long and 4.25 feet wide. The chamber trench is backfilled with gravel drain rock.

The native infiltrating soils consist of sand and gravel approximately 35-40 feet below ground surface. While infiltration testing was not completed during the soil investigations due to the use of mud-rotary drill methods, soil sieve testing completed on representative samples at this depth indicate relatively low fines content. Based on experience with similar soils, we expect design infiltration rates (including factors of safety) to be approximately 10 inches per hour.

Groundwater in the project vicinity was measured through an on-site piezometer at approximately 41.59 feet below ground surface, at approximate elevation 8.41 (COP datum). The bottom of the

proposed infiltration facility is at elevation 16.25, which provides approximately 7.8 feet of separation from the groundwater table and meets minimum separation requirements.

The project team anticipates applying for and obtaining UIC authorization through the Oregon Department of Environmental Quality.

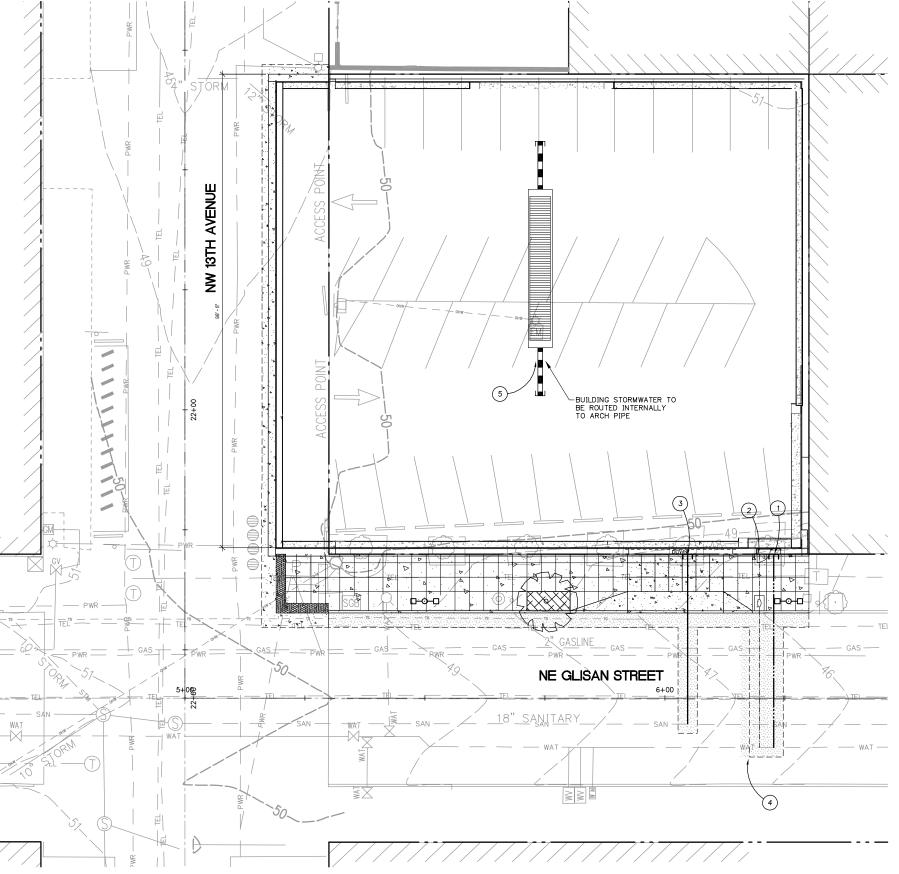
Hydrology calculations have been completed using published City of Portland precipitation estimates and the software program Hydroflow. Infiltration facility sizing calculations are attached to this memorandum.

# **Conclusion**

The proposed Pearl East stormwater management system will collect and discharge all runoff from the building roof and canopy surfaces through a subsurface infiltration system. The facilities have been designed to meet City of Portland SWMM standards.

# **Enclosures:**

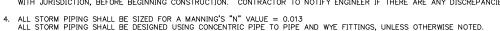
- 1. Sheet C2.2 Utility Plan
- 2. Sheet A108 Roof Plan
- 3. Hydrology and Infiltration Facility Sizing Calculations
- 4. Geotechnical Engineering Report



1 UTILITY PLAN

# **UTILITY NOTES**

- 1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF PORTLAND AND THE CURRENT EDITION OF THE UNIFORM PLUMBING CODE AND THE INTERNATIONAL BUILDING CODE. ALL WORK WITHIN THE PUBLIC R.O.W. REQUIRES A PUBLIC WORKS PERMIT.
- 2. THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES LAYING WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE AND LOCATION BY UNCOVERING, PROVIDING SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES.



- 5. SEE MECHANICAL DRAWINGS FOR UTILITIES LOCATED WITHIN THE BUILDING AND TO 5' OUTSIDE THE BUILDING.
- 6. ALL DOWNSPOUT LEADERS TO BE 6" AT 2.0% MIN. UNLESS NOTED OTHERWISE.
- 7. VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES BY POTHOLING PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF
- 8. THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS BASED ON AN ALTA SURVEY
- 9. SEE BUILDING PLUMBING DRAWINGS FOR PIPING WITHIN THE BUILDING AND UP TO 5' OUTSIDE THE BUILDING, INCLUDING ANY FOUNDATION DRAINAGE PIPING.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN A SPRINKLER/UNDERGROUND PERMIT TO INSTALL THE ON-SITE FIRE LINES AND HYDRANTS. THIS MUST BE OBTAINED FROM THE FIRE PREVENTION DIVISION OF PORTLAND FIRE AND RESCUE. THE CONTRACTOR SHOULD BE AWARE THAT THIS PERMIT COULD TAKE UP TO 2 WEEKS TO OBTAIN.
- 11. CONTRACTOR TO MAINTAIN MINIMUM 3 FT OF COVER OVER ALL WATER LINE.
- 12. REFER TO PBOT PUBLIC WORKS PERMIT FOR CONSTRUCTION IMPROVEMENTS IN PUBLIC RIGHT-OF-WAY. CONTRACTOR SHALL BE RESPONSIBLE FOR TRADE PERMITS

Architecture - Interiors Planning - Engineering

> Portland, OR 503.224.9560 Vancouver, WA 360.695.7879 Seattle, WA 206.749.9993 www.mcknze.com

# MACKENZIE.

PBE, LLC. 205 LYTHON AVENUE SUITE 303 PALO ALTO, CALIFORNIA 94301

PEARL BUILDING

1313 NW GLISAN STREET PORTLAND, OREGON

# **LEGEND**

	EXISTING	PROPO	SED.
R.O.W.		AC PAVING	
CURB			D
CONCRETE WALL	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	CONCRETE PAVING	
WATER LINE STORM LINE	——————————————————————————————————————		KZZXXZI
COMBINED SEWER LINE	SANSAN	LANDSCAPING	
TELEPHONE LINE	TEL TEL		IXXXXX
GAS LINE	——————————————————————————————————————	CURB	
OVERHEAD ELECTRIC LINE		SCORE LINE	
POWER LINE	——————————————————————————————————————	SAWCUT LINE	
SURFACE ELEVATION CONTOUR		STORM LINE	
		PERFORATED STORM LINE	
TELEPHONE/POWER VAULT	P	WATER LINE	
TRANSFORMER			
ELECTRIC METER/BOX WATER VALVE	EM EB	SEWER LINE	
GAS METER	ßM	WATER METER	
POWER POLE	1239 1231	CLEANOUT	co
SIGN	-0	CLEANOOT	
EXISTING BUILDING			
CONCRETE SIDEWALK	. 4 2		

**KEY NOTES:** 



1. 6" FIRE SERVICE LINE, BY PORTLAND WATER BUREAU. DOUBLE CHECK BACKFLOW PROVIDED IN UTILITY ROOM

- 2. 3" WATER SERVICE WITH METER, BY PORTLAND WATER BUREAU. PROVIDE DOUBLE CHECK BACKFLOW IN RISER ROOM
- 3. 6" SEWER LATERAL, CONNECT TO PLUMBING
- 4. TRENCH BACKFILL AND AC PAVEMENT RECONSTRUCTION, PER CITY STANDARD
- 5. 30 LF STORMTECH INFILTRATION ARCH PIPE

MACKENZIE 2015
ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY
OF MACKENZIE AND ARE NOT TO BE
USED OR REPRODUCED IN ANY MANNER
WITHOUT PRIOR WRITTEN PERMISSION

REVISION	REVISIONS THIS SHEET	REVISION DELTA CLOSING DATE
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UTILITY PLAN

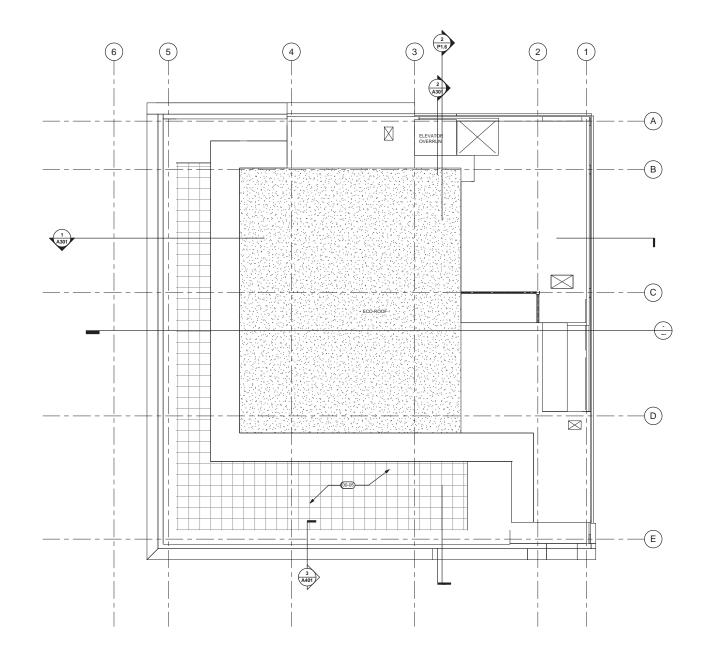
DRAWN BY:

CHECKED BY: BDN

JOB NO. 2150404.00



( IN FEET ) 1 inch = 10 ft.



GENERAL NOTES

1 ROOF PLAN 1/8" = 1'-0"

KEY NOTES

00-05 ROOF DECK BELOW



MACKENZIE.

PBE, LLC 205 LYTHON AVENUE SUITE 303 PALO ALTO, CA 94301

Pearl Building East NW 13th Avenue and NW Glisan Street Portland, OR 97209

Revision Schedule 

ROOF PLAN

SHEET

A108

JOB NO. 2150404.00

**DESIGN DEVELOPMENT - 04/29/2016** 

ALL WORK NEW UND

ALL WORK SHALL COMPLY WITH CURRENT FEDERAL STATE AND LOCAL
BUILDING CODES AND REGULATIONS

ALL WORK SHALL COMPLY WITH TRADE STANDARDS AND MANUFACTURERS

NISTRUCTIONS REFERENCED IN CONTRACT DOCUMENTS

VERIEY AND COMERNA LLD MIDNESSIONS A CONDITIONS. NOTIFY OF ANY

VERIEY AND COMERNA LLD MIDNESSIONS A CONDITIONS. NOTIFY OF ANY

DETAIL & KEYNOTE REFERENCES SHALL BE APPLIED TO ALL INSTANCES

WHERE THE SAME CONDITION OCCURS.

ELEVATION 0-0° 5-6-6° FINISH FLOOR ELEVATION AS INIDICATED ON CIVIL

DRAWINISS.

REPARAMEDED PLANS WHERE INDICATED FOR ADDITIONAL

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DETERMINE SUZES.

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DOORS TO BE 0'MIN FROM NEAREST FERFENDICULAR PARTITION UND

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TEMPERED GLASS TO BE USED IN ALL LOCATIONS AS REQUIRED BY CODE.

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AND SPECIFICATIONS FOR REQUIREMENTS.

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GENERAL CONTRACTOR SHALL SCHEDULE FIRESTOPPING MEETING, SEE XXX

AND SPECIFICATIONS FOR REQUIREMENTS

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ALL EQUIPMENT AND APPLIANCES TO BE CONTRACTOR FURNISHED,

CONTRACTOR TO THE SCHEDULE FLOORING

ALL EQUIPMENT AND APPLIANCES TO BE CONTRACT

# Hydrograph Return Period Recap Hydraflow Hydrographs Extension for AutoCAD® Civil 3D® 2014 by Autodesk, Inc. v10.3

	Hydrograph	Inflow		Peak Outflow (cfs)							Hydrograph		
0.	type (origin)	hyd(s)	1-yr	2-yr	3-yr	5-yr	10-yr	25-yr	50-yr	100-yr	Description		
1	SCS Runoff						0.189	0.218		0.247	Building Roof Runoff		
2	Reservoir	1					0.000	0.000		0.000	Arch Infiltration		

Proj. file: 404-Infiltration Storm Calcs.gpw

Thursday, 04 / 14 / 2016

# **Hydraflow Rainfall Report**

Hydraflow Hydrographs Extension for AutoCAD® Civil 3D® 2014 by Autodesk, Inc. v10.3

Thursday, 04 / 14 / 2016

Return Period	Intensity-Du	ıration-Frequency E	quation Coefficients	(FHA)
(Yrs)	В	D	D E	
1	0.0000	0.0000	0.0000	
2	6.9527	2.1000	0.6577	
3	0.0000	0.0000	0.0000	
5	9.9393	2.7000	0.6824	
10	10.2300	2.0000	0.6569	
25	11.8938	2.0000	0.6571	
50	0.0000	0.0000	0.0000	
100	15.0837	2.1000	0.6597	

File name: City of Portland IDF.IDF

# Intensity = $B/(Tc + D)^E$

Return					Intens	sity Values	(in/hr)					
Period (Yrs)	5 min	10	15	20	25	30	35	40	45	50	55	60
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	1.92	1.35	1.07	0.91	0.79	0.71	0.65	0.59	0.55	0.52	0.49	0.46
3	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	2.47	1.75	1.40	1.18	1.03	0.92	0.83	0.77	0.71	0.66	0.62	0.59
10	2.85	2.00	1.59	1.34	1.17	1.05	0.95	0.88	0.82	0.76	0.72	0.68
25	3.31	2.32	1.85	1.56	1.36	1.22	1.11	1.02	0.95	0.89	0.83	0.79
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	4.14	2.91	2.32	1.96	1.71	1.53	1.39	1.28	1.19	1.11	1.05	0.99

Tc = time in minutes. Values may exceed 60.

Precip. file name: G:\Hydrograph Information\NOAA\Portland precipitation - from City design manual.pcp

		F	Rainfall F	Precipita	tion Tab	le (in)		
Storm Distribution	1-yr	2-yr	3-yr	5-yr	10-yr	25-yr	50-yr	100-yr
SCS 24-hour	0.00	2.40	0.00	2.90	3.40	3.90	0.00	4.40
SCS 6-Hr	0.00	1.20	0.00	1.50	1.70	1.90	0.00	2.30
Huff-1st	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-2nd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-3rd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-4th	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Huff-Indy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Custom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

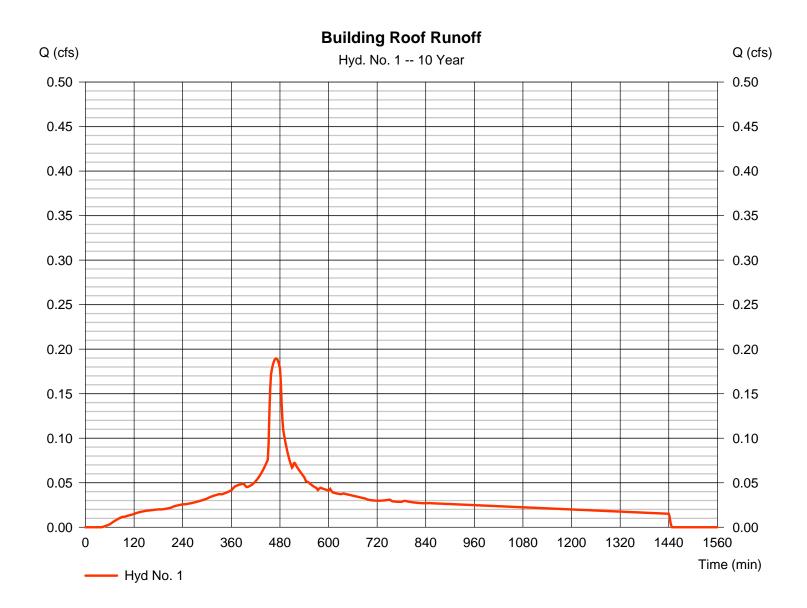
Hydraflow Hydrographs Extension for AutoCAD® Civil 3D® 2014 by Autodesk, Inc. v10.3

Thursday, 04 / 14 / 2016

# Hyd. No. 1

**Building Roof Runoff** 

= SCS Runoff Hydrograph type Peak discharge = 0.189 cfsStorm frequency = 10 yrsTime to peak = 470 min Time interval = 2 min Hyd. volume = 2.694 cuftDrainage area Curve number = 0.250 ac= 98Basin Slope = 0.0 %Hydraulic length = 0 ftTc method Time of conc. (Tc)  $= 5.00 \, \text{min}$ = User Total precip. = 3.40 inDistribution = Type IA Shape factor Storm duration = 24 hrs = 484



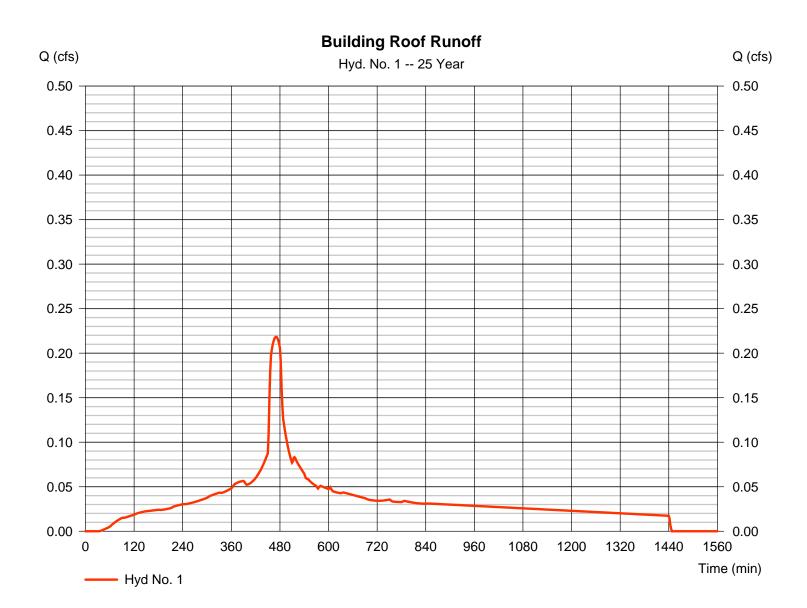
Hydraflow Hydrographs Extension for AutoCAD® Civil 3D® 2014 by Autodesk, Inc. v10.3

Thursday, 04 / 14 / 2016

# Hyd. No. 1

**Building Roof Runoff** 

= SCS Runoff Hydrograph type Peak discharge = 0.218 cfsStorm frequency = 25 yrsTime to peak = 470 min Time interval = 2 min Hyd. volume = 3.118 cuftDrainage area Curve number = 0.250 ac= 98Basin Slope = 0.0 %Hydraulic length = 0 ftTc method Time of conc. (Tc)  $= 5.00 \, \text{min}$ = User Total precip. = 3.90 inDistribution = Type IA Shape factor Storm duration = 24 hrs = 484



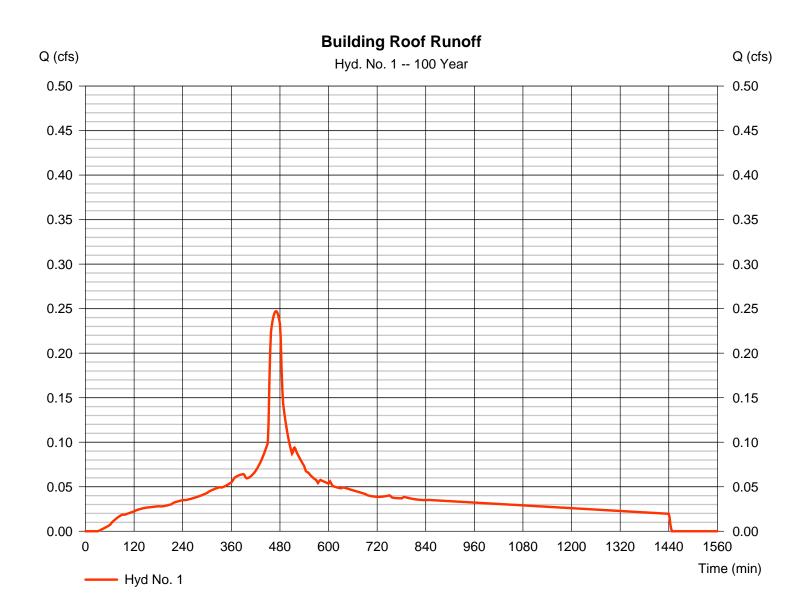
Hydraflow Hydrographs Extension for AutoCAD® Civil 3D® 2014 by Autodesk, Inc. v10.3

Thursday, 04 / 14 / 2016

# Hyd. No. 1

**Building Roof Runoff** 

Hydrograph type = SCS Runoff Peak discharge = 0.247 cfsStorm frequency = 100 yrsTime to peak = 470 min Time interval = 2 min Hyd. volume = 3.543 cuftDrainage area Curve number = 0.250 ac= 98 Basin Slope = 0.0 %Hydraulic length = 0 ftTc method Time of conc. (Tc)  $= 5.00 \, \text{min}$ = User Total precip. = 4.40 inDistribution = Type IA Shape factor Storm duration = 24 hrs = 484



# Pond No. 1 - StormTech DC-780

# **Pond Data**

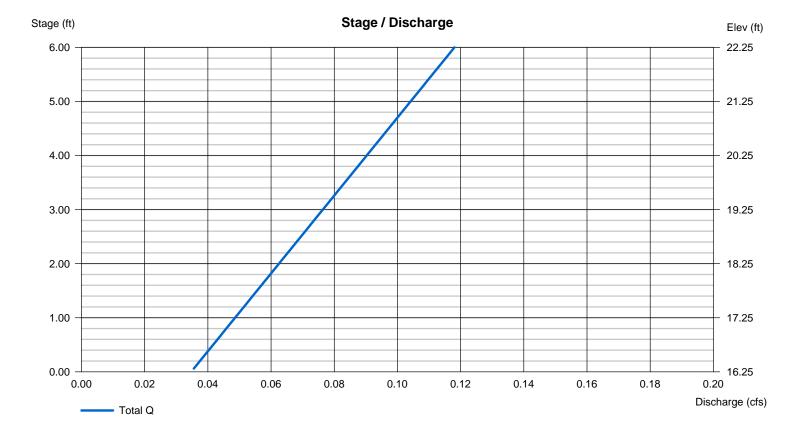
**UG Chambers** -Invert elev. = 17.00 ft, Rise x Span = 2.50 x 4.25 ft, Barrel Len = 30.00 ft, No. Barrels = 1, Slope = 0.00%, Headers = No **Encasement** -Invert elev. = 16.25 ft, Width = 5.00 ft, Height = 6.00 ft, Voids = 35.00%

# Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (cuft)	Total storage (cuft)
0.00	16.25	n/a	0	0
0.60	16.85	n/a	32	32
1.20	17.45	n/a	69	100
1.80	18.05	n/a	79	179
2.40	18.65	n/a	73	252
3.00	19.25	n/a	62	314
3.60	19.85	n/a	38	352
4.20	20.45	n/a	32	383
4.80	21.05	n/a	32	415
5.40	21.65	n/a	32	446
6.00	22.25	n/a	32	478

### **Culvert / Orifice Structures Weir Structures** [PrfRsr] [A] [A] [B] [C] [B] [C] [D] = 0.000.00 Rise (in) 0.00 0.00 Crest Len (ft) Inactive 0.00 0.00 0.00 Span (in) = 0.000.00 0.00 0.00 Crest El. (ft) = 0.000.00 0.00 0.00 = 0No. Barrels 0 0 0 Weir Coeff. = 3.333.33 3.33 3.33 Invert El. (ft) = 0.000.00 0.00 0.00 Weir Type = Rect = 0.000.00 0.00 0.00 No No Length (ft) Multi-Stage = No No 0.00 = 0.000.00 Slope (%) n/a N-Value = .013.013 .013 n/a Orifice Coeff. = 0.600.60 0.60 0.60 Exfil.(in/hr) = 10.000 (by Wet area) Multi-Stage = n/aNo No No TW Elev. (ft) = 0.00

Note: Culvert/Orifice outflows are analyzed under inlet (ic) and outlet (oc) control. Weir risers checked for orifice conditions (ic) and submergence (s).



Hydraflow Hydrographs Extension for AutoCAD® Civil 3D® 2014 by Autodesk, Inc. v10.3

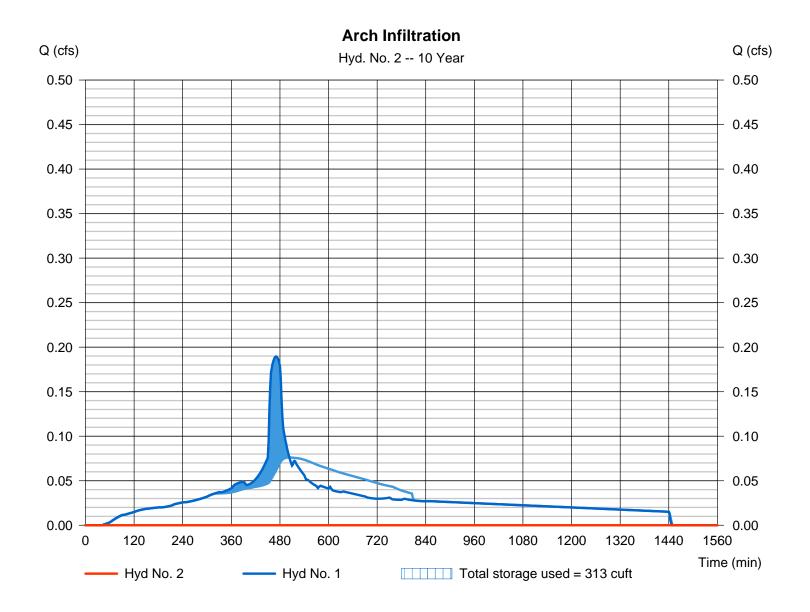
Thursday, 04 / 14 / 2016

# Hyd. No. 2

Arch Infiltration

Hydrograph type = Reservoir Peak discharge = 0.000 cfsStorm frequency = 10 yrsTime to peak = n/aTime interval = 2 min Hyd. volume = 0 cuftInflow hyd. No. = 1 - Building Roof Runoff Max. Elevation = 19.24 ft= StormTech DC-780 Reservoir name Max. Storage = 313 cuft

Storage Indication method used. Exfiltration extracted from Outflow.



Hydraflow Hydrographs Extension for AutoCAD® Civil 3D® 2014 by Autodesk, Inc. v10.3

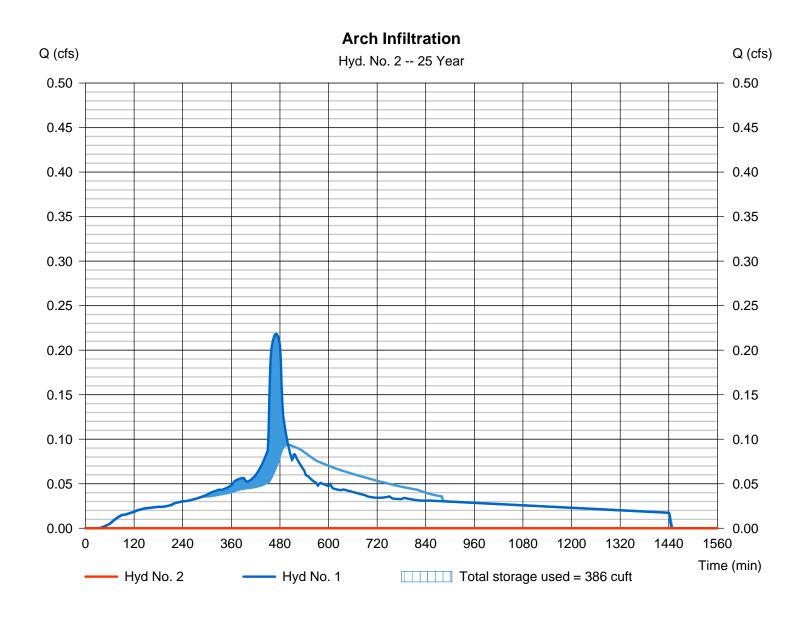
Thursday, 04 / 14 / 2016

# Hyd. No. 2

Arch Infiltration

Hydrograph type = Reservoir Peak discharge = 0.000 cfsStorm frequency = 25 yrsTime to peak = n/aTime interval = 2 min Hyd. volume = 0 cuft Inflow hyd. No. Max. Elevation = 1 - Building Roof Runoff  $= 20.50 \, \text{ft}$ = StormTech DC-780 Reservoir name Max. Storage = 386 cuft

Storage Indication method used. Exfiltration extracted from Outflow.



Hydraflow Hydrographs Extension for AutoCAD® Civil 3D® 2014 by Autodesk, Inc. v10.3

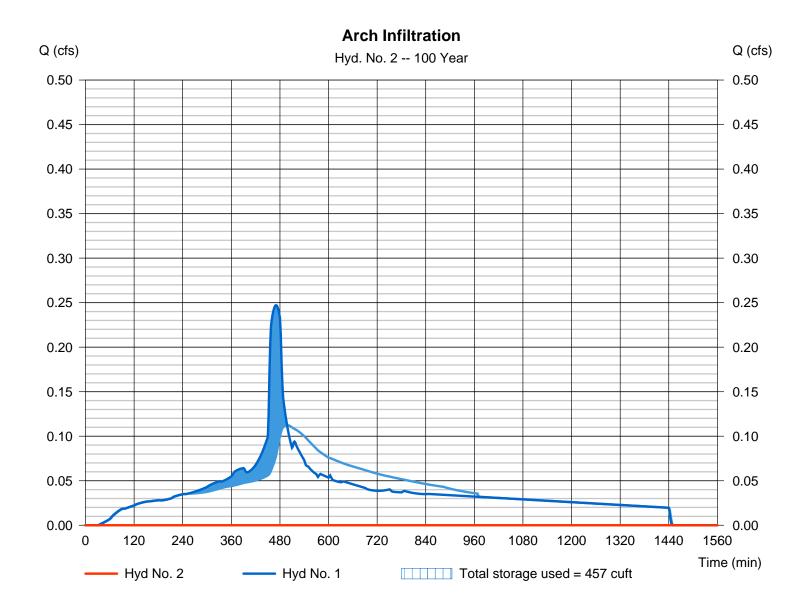
Thursday, 04 / 14 / 2016

# Hyd. No. 2

Arch Infiltration

Hydrograph type = Reservoir Peak discharge = 0.000 cfsStorm frequency Time to peak = n/a= 100 yrsTime interval = 2 min Hyd. volume = 0 cuft Inflow hyd. No. Max. Elevation = 1 - Building Roof Runoff = 21.85 ft= StormTech DC-780 Reservoir name Max. Storage = 457 cuft

Storage Indication method used. Exfiltration extracted from Outflow.



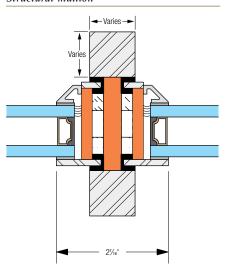
# EXHIBIT B APPENDIX B MATERIALS AND CUTSHEETS



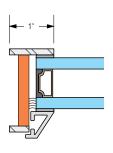
The durability of steel coupled with minimal aesthetics. That's the hallmark of our Thermal Steel Windows and Doors. Because they are crafted from steel, our doors and windows provide security and durability, and the design flexibility to fit virtually any shape or opening. With profile face widths of just 1 to 2 inches, our Thermal Steel Windows and Doors produce narrow sight-lines and a lightness to the frame for a clean, crisp modern look.

## AESTHETIC DETAILS

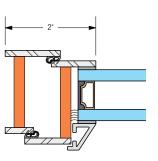


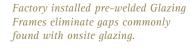


Fixed window









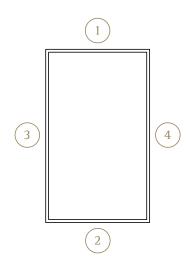
ARCADIA CUSTOM



Window System Cutsheets



### THERMAL STEEL



# STEEL SPECIFICATIONS

Model: TSX-1000

Description: Fixed Window

Material: Thermally-Broken 10 gauge

304 Stainless Steel

### Glazing:

Type: Dual (single and triple available)
Glass: Guardian 62/27 low-e (others available)

Spacer: Warm-edge, Dark Bronze Thickness: 1 1/8" overall=1/4"-5/8"-1/4"

(3/8"-1 9/16" available)

# Glazing Frame:

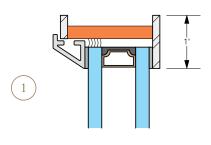
Orientation: Exterior (interior available)
Detail: Sloped Bevel (other details available)

Muntin: Specify: None, SDL, TDL

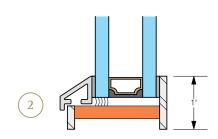
Frame Depth: 1 7/8"-TSX 40 (others available)

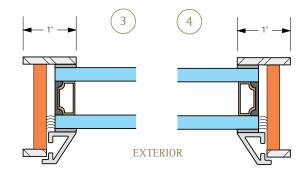
Finish: Powder Coat with Epoxy Primer,

 $Specify\ Color$ 



## **EXTERIOR**



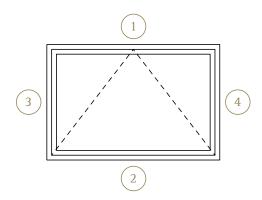


ARCADIA CUSTOM

Page 11

# Window System Cutsheets





# STEEL SPECIFICATIONS

Model: TSX-3500

Description: Out-swing Awning
Window Operation: Push-Out
(roto crank-out available)

Window Hinge: Stainless Steel Friction Hinge

Window Lock: Simplex Sash Lock (multipoint lock available)

Material: Thermally-Broken 10 gauge

304 Stainless Steel

### Glazing:

Type: Dual (single and triple available)
Glass: Guardian 62/27 low-e (others available)
Spacer: Warm-edge, Dark Bronze
Thickness: 1 1/8" overall=1/4"-5/8"-1/4"
(3/8"-1 ½" available)

# Glazing Frame:

Orientation: Exterior (interior available)
Detail: Sloped Bevel (other details available)

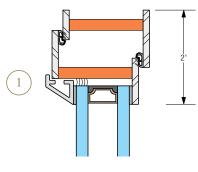
Muntin: Specify: None, SDL, TDL Weather-strip: Silicone Gasket 4-point

contact, black

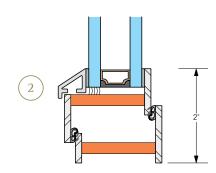
Frame Depth: 1 7/8"-TSX 40 (others available)

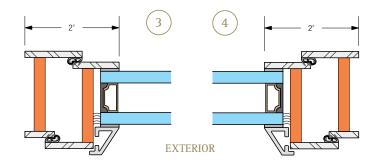
Finish: Powder Coat with Epoxy Primer,

Specify Color



### **EXTERIOR**





ARCADIA CUSTOM

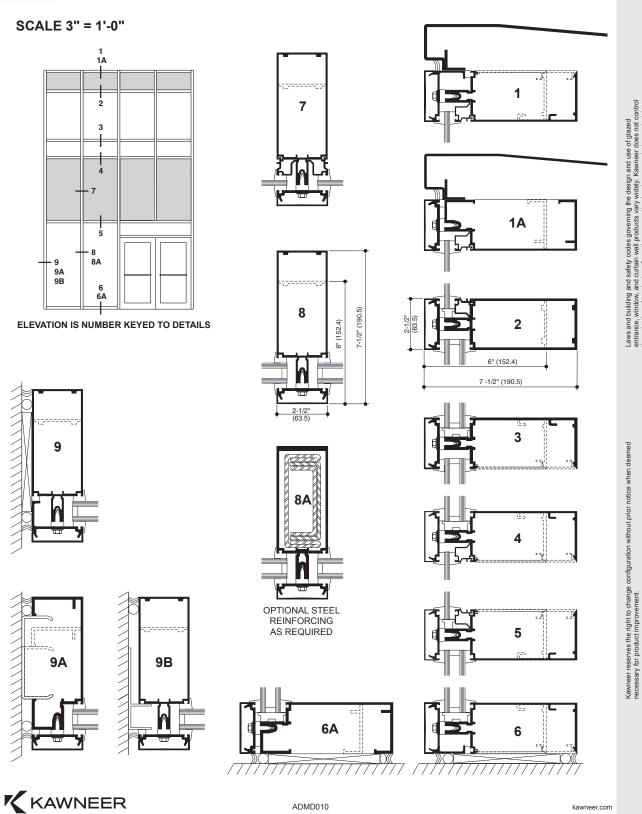
Page 15

6

DECEMBER, 2015

kawneer.com

1" INFILL DETAILS EC 97911-086



ADMD010

Penthouse Window System Cutsheets

# **Pearl Building East** LU 16-153002 HRM AD

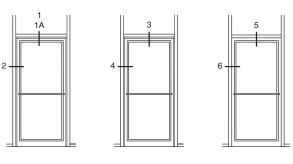
Laws and building and safety codes governing the design and use of glazed entrained, window, and cutrain well products vary widely. Kawneer rides not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

ENTRANCE DETAILS (1" INFILL)

EC 97911-086

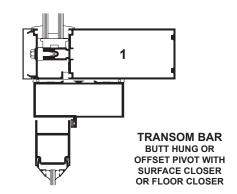
# SCALE 3" = 1'-0"

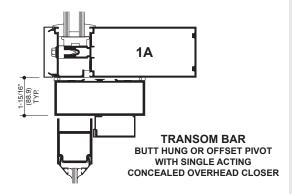
2

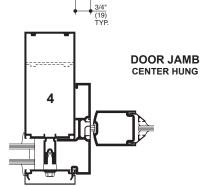


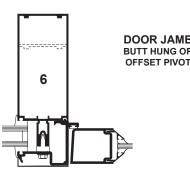
B/H OR O/P C/H B/H OR O/P **ELEVATION IS NUMBER KEYED TO DETAILS** 

**DOOR JAMB BUTT HUNG OR** OFFSET PIVOT

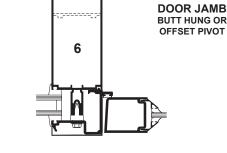




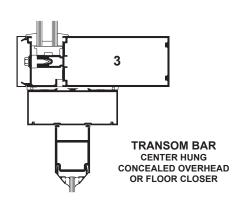


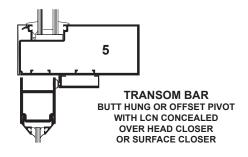


ADMD010



KAWNEER





kawneer.com

Penthouse Window System Cutsheets

**Pearl Building East** LU 16-153002 HRM AD



© Kawneer Company, Inc., 2014

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.



Roll Up Retail Door Cutsheets

Pearl Building East
LU 16-153002 HRM AD

# Track detail

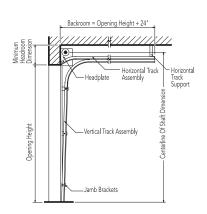
Any of the following track configurations can be selected for 511 and 521 Aluminum door models.

O.H.=Opening height L.C.=Lift clearance D.H.=Door height

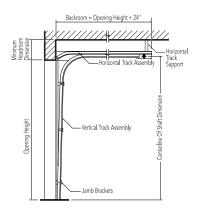
### Standard lift track Full vertical track Lift clearance track Standard Backroom = Opening Height - Lift Clearance + 26 Backroom = Opening Height + 18" Headroom = Opening Height ─ Horizontal Track Assembl Track Assembly .Headplate Breakaway Track Assembly Assembly Vertical Track Assembly Vertical Track Assembly Jamb Brackets Jamb Brackets 2" (51 mm) Track [15" (381 mm) radius] 2" (51 mm) Track [15" (381 mm) radius] 2" (51 mm) Track [15" (381 mm) radius] Centerline of shaft Minimum headroom Door height Centerline of shaft Minimum headroom Door height Centerline of shaft Minimum headroom Thru 12'0" (3658 mm) O.H. + 11 5/8" (295 mm) 14 1/4" (362 mm) Thru 12'0" (3658 mm) | O.H. + L.C. + 5 5/8" (143 mm) | L.C. + 8 3/4" (222 mm) Thru 11'0" (3353 mm) O.H. + O.H. + 3/8" (10 mm) O.H. + 10 1/4" (260 mm) O.H. + 12 5/8" (321 mm) 20 1/2" (521 mm) O.H. + L.C. + 5 5/8" (143 mm Thru 16'0" (4877 mm) O.H. + O.H. + 3/8" (10 mm) 3" (76 mm) Track [15" (381 mm) radius] 3" (76 mm) Track [15" (381 mm) radius] 3" (76 mm) Track [15" (381 mm) radius] Thru 18'0" (5486 mm) O.H. + 14 5/8" (372 mm) 18" (457 mm) Thru 22'0" (6706 mm) O.H. + L.C. + 6 5/8" (168 mm) L.C.+ 11 1/2" (292 mm) Thru 18'0" (5486 mm) O.H. + O.H. + 3/8" (10 mm) O.H. + 10 1/4" (260 mm) Thru 32'0" (9754 mm) O.H. + 16 7/8" (429 mm) 21 1/2" (546 mm) Thru 32'0" (9754 mm) O.H. + L.C. + 6 5/8" (168 mm) L.C.+ 12 1/4" (311 mm)

# Low headroom track Springs to front

# Low headroom track Springs to rear



2" (51 mm) Track [15" (381 mm) radius]								
Door height	Centerline of shaft	Minimum headroom						
Thru 12'0" (3658 mm)	D.H. + 8" (203 mm)	11 3/4" (299 mm)						
Thru 16'0" (4877 mm)	D.H. + 8" (203 mm)	12 1/2" (318 mm)						
3" (76 mm) Trac	k [15" (381 mm) rad	ius]						
Thru 12'0" (3658 mm)	D.H. + 9" (229 mm)	13" (330 mm)						
Thru 32'0" (5486 mm)	D.H. + 9" (229 mm)	13 3/4" (349 mm)						



2" (51 mm) Track [15" (381 mm) radius]								
Door height	Centerline of shaft	Minimum headroom						
Thru 12'0" (3658 mm)	O.H. + 2" (51 mm)	7 1/2" (191 mm)						
Thru 16'0" (4866 mm)	O.H. 2" (51 mm)	8" (203 mm)						
3" (76 mm) Track [15" (381 mm) radius]								
Thru 18'0" (5486 mm)	O.H. 6 3/4" (171 mm)	9 3/4" (248 mm)						

Roll Up Retail Door Cutsheets



STANDARD SIZES UP TO:

THERMAL EFFICIENCY VALUES:

WIND LOAD OPTIONS AVAILABLE:

R-value up to 4.25

wind SAFE

BEST APPLICATIONS:

WHERE HIGH VISIBILITY OR NATURAL LIGHT IS NEEDED

## **General Operating Clearances**

	Headr	oom <sup>***</sup>	Sidero	om**	Depth Into Room	Center Line o	f Springs****	
Туре	2" Track	3" Track	2" Track	3" Track	2" & 3" Track	2" Track	3" Track	
Standard Lift Manual 12" R	12 1/2" to 17"	NA			Oi      -i-       0"	Opening Height +12"	NA	
Standard Lift Manual 14" R	14 1/2" to 20"	NA			Opening Height +18"	Opening Height +13"	NA	
Standard Lift Manual 15" R	NA	15 1/2" to 21"					Opening Height +15"	
Standard Lift Motor Oper. 12" R	15 1/2" to 19 1/2"	NA	4 1/2"	5 1/2"	Opening Height + 66"	Opening Height +12"	NA	
Standard Lift Motor Oper. 14" R	16 1/2" to 23"	NA			Opening Height - High	Opening Height +13"	NA	
Standard Lift Motor Oper. 15" R	NA	18 1/2" to 24"			Lift + 30"		Opening Height +15"	
High Lift Manual	سيكانا مامان	12" ** 14"			Liit · 30	Opening Height + High	Opening Height + High	
High Lift Motor Operator	High Lift +	12 to 16	24" On	e Side		Lift + 6 1/2"	Lift + 7 1/2"	
Full Vertical Lift Manual		1 10"	4 1/2"	5 1/2"	24"	Door He	sight ± 4"	
Vertical Lift Motor Operated	Door Height +12"		24" On	e Side		DOO! HE	agric + o	
Low Headroom Manual*	6-14 1/2"	10-14 1/2"	6"	9"	Opening Height + 30"	Dog N	Ah	
Low Headroom Motor Operated*	9-14 1/2"	13-14 1/2"	Ů	'	Opening Height + 66"	Does Not Apply		

# **Panel/Section Guide**

Door Width	No. Panels	Door Height	No. Sections
Up to 8'3" Wide	2	Up thru 8'1"	4
9'4" to 12'3"	3	8'2" to 10'1"	5
12'4" to 16'3"	4	10'2" to 12'1"	6
16'4" to 20'3"	5	12'2" to 14'1"	7
20'4" to 23'7"	6	14'2" to 16'1"	8
23'8" to 24'2"	7	16'2" to 18'1"	9

# NOTES:

- Rear mount torsion requirements shown on chart see drawings for front mount clearances
- \*\* 8" sideroom required on one side for doors having chain hoist.
- $24^{\prime\prime}$  side Room required on on side for doors having jackshaft operators.
- \*\*\* Clear Headroom is based on door weight and door size so please contact dealer for specific headroom for your door.
- \*\*\*\* Center line of shaft is based on door weight and door size so please contact dealer for specific headroom for your door.

### **Track Selection Guide**



Standard Lift



High Lift (breakaway is incline is available)



Roof Pitch (standard or high lift)



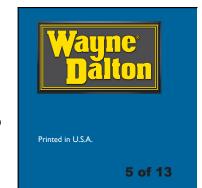
Vertical Lift (break away is incline available)



Low Headroom (rear mount torsion)



Low Headroom (front mount torsion)



www.Wayne-Dalton.com/commercial

Vertical Lift Garage Door Cutsheets



# **Pearl Building East**



### Features

- · A compact, economical solution for general and localized lighting applications
- · Reflector sizes, lamp types and color options for applications and design flexibility
- · Optional glass globe or glass lens
- · Weatherproof construction to withstand the elements
- Optional battery back-up in case of a power interruption
- · Cool operations for extended lamp and component life
- Quality components combined with the most current technology for high efficiency and reduced lighting costs

### Applications

The Abby reflector is ideal for illuminating spaces where a compact solution is required. It lends itself to many applications, ranging from commercial to recreational.



# **TMS**LIGHTING

### ESTABLISHED 1923

# **Construction**High grade spun aluminum, brushed copper, or a brushed stainless steel reflector with stainless steel mounting hardware.

### Lam

Abby is designed to operate with compact fluorescent (42W max.), incandescent (100W max.), metal halide (100W max.), or Cree™ LED (32W max.) light sources. Incandescent and metal halide models use a medium base socket (E26). Specify 3000K, 3500K, or 4000K.

### Ballast/LED Driver

Ballasts are integral and electronic. They are efficient with a high power factor greater than 90%, and quiet with an "A" sound rating.

The LED source is controlled by an advanced electronic driver that delivers consistent power

# Dimming

CF dimming options include the Mark 7 \$ (0-10V), Mark 10 \$ (line voltage), DALI (addressable), or Ecosystem \$.

The LED dimming option is the 0-10V, current-sinking type

Note: Compatibility of this product is not guaranteed with all control systems.

### Emergency

For CF lamps and LED, a remote mount or integral canopy-mounted, emergency back-up is available, in either the standard temperature or cold temperature version (CF 7ft. max, LED 20 ft. max, distance from lamp to EM).

The test switch and indicator light are remotely mounted

# Options

Globe: Clear and prismatic, glass globes are available

Lens: Flat, tampered, clear glass lenses are available.

### Mounting

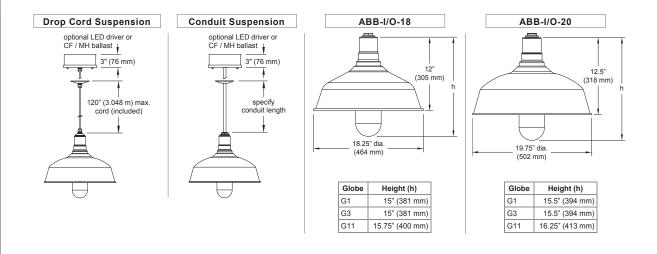
Mount on a ceiling, directly to a standard 4" electrical junction box. It is available with either rigid conduit (1/2" NPT) or the drop cord suspension (10' max.). Custom lengths, the universal ceiling adapter (20° max.), and aircraft cable are optional.

### Finish

Available in several TMS standard, anodized, brushed, and powder-coated finishes. Custom or RAL finishes are available by special order. See the Finishes - Diffusers chart.

### Compliances

QPS-C/US, or UL-C/US certified to UL1598 standards. Rated IP20 with the drop cord, for indoor locations; or outdoor, IP23 rated with the conduit suspension. The Consultants Europe (CE) listing is available upon request.



# TMS Lighting can customize this and many of our standard fixtures. The dimensions, lamp types, enclosure and colors could be modified to suit your lighting and architectural requirements. Contact your local representative for more details: <a href="http://www.tmslighting.com/info/agents">http://www.tmslighting.com/info/agents</a>

Specifications are subject to change without notice

 TMS Lighting Inc.
 North America:
 (905) 793-1174

 247A Summerlea Road,
 Toll-free:
 (866) 793-1174

 Brampton, Ontario,
 Fax:
 (905) 793-1175

 Canada. L6T 4E1
 L6T 4E1
 L6T 4E1

Web Site: tmslighting.com UK & Europe: 44-1474-250-654

**Exterior Lighting Cutsheets** 



503-222-4000

Project:

Notes:

Description: VXHT25GP **Pearl East** 

Type:

**GOOSE** 

# **VAPORGARD™** Incandescent **Luminaires**

Cl. I, Div. 2, Groups A, B, C, D Wet Locations NEMA 3, 3R

1L

# **Enclosed and Gasketed**

Wall Mount -

VXHT Series	Hub Size	Series	Max. Lamp Size	Complete Cat. #	Luminaire Wall Bracket Mounting Module	Compon	ents Cat. #	s Guar
	1/2 or 3/4"	150	150 watt A-21	VXHT25GP	VXT20	VXH15	G54	P50
	1/2 or 3/4"	200	200 watt A-23	VXHT22GP	VXT20	VXH12	G24	P21
	1/2 or 3/4"	300	300 watt PS-25 & PS-30	VXHT23GP	VXT20	VXH13	G34/G251	P22

# Wall Mount -**Adapter Kit**

Description	Cat. #
Mounts wall mount VXHT Series	VXT K1

# **Wall Mount with** Junction Box -**VXHBF Series**

Luminaire Components Cat. #s

Guard

Wall

Hul		Series	Max. Lamp Size	Complete Cat. # with globe/guard	Mounting Module	Body	Globe	Guard	Junction Box
¹/₂ C	or 3/4"	150	150 watt A-21	VXHBF25GP	VXT20	VXH15	G54	P50	VXF20
¹/2 C	or 3/4"	200	200 watt A-23	VXHBF22GP	VXT20	VXH12	G24	P21	VXF20
¹/2 C	or 3/4"	300	300 watt	VXHBF23GP	VXT20	VXH13	G34/G251	P22	VXF20

# Stanchion Mount -**VXHA Series**

Luminaire Components Cat. #s

Stanchion

Complete Cat. with globe/gua Hub Max. Lamp Size Size 150 watt 11/4" VXHA45GP A-21 200 watt 11/4" VXHA42GP A-23 300 watt PS-25 & PS-30

. # ard	Mounting Module	Body	Globe	Guard
	VXA4	VXH15	G54	P50
	VXA4	VXH12	G24	P21
	VXA4	VXH13	G34/G251	P22

Note: All fixtures supplied with  $\ensuremath{^{1\!/}\!_{2}}\xspace"$  reducers, except for pendant mount.

11/4"

Crouse-Hinds

www.crouse-hinds.com US: 1-866-764-5454 CAN: 1-800-265-0502 Copyright® 2013 Eaton's Crouse-Hinds Business

VXHA43GP

# **Exterior Lighting Cutsheets**



# **Pearl Building East**

Submitting Agency:



503-222-4000

Description: C4SM-D-N-20-83-35-41

Project:

Notes:

Type: **CANOPY** 

# CORE 400 SX surface mount

PROJECT		
	Job	Notes
-	Гуре	
Р	art#	
SPECIFIC	ATIONS —	
So	urce Xicato XTM LED module - up to 4000 lumens	

C.C.T. 2700K, 3000K, 3500K or 4000K Color Consistency 1x2 SDCM (MacAdam) along BBL, CCT +/- 40K to 70K, Duv +/- .001

CRI (Ra) 83 or 98

Driver / Location Included / Remote mount or deep canopy options

Dimming 0-10V or phase dimming to 10% standard; DALI, DMX and 1% dimming available

Input Voltage 100 to 277VAC, phase dimmable versions are 120VAC only

Power Up to 48 watts max, depending on LED module / driver Reflector 11°, 25°, 41°, 51°, or 83° - field replaceable without tools

Material CNC machined aluminum with stainless steel hardware Finish Powder coat - TGIC polyester for exterior and interior use

Weight 7 lb. [3.2 kg]

Location Listed for Wet & Damp locations

Approvals ETL Listed to UL 1598, 2108, 8750 and CSA C22.2# 9 & #250.0 L80 Life > 50,000 hours at 80% lumen maintenance based on IESNA LM-80-08

Warranty Lifetime Limited Warranty - see warranty for details

IES Files LM-79-08 IES files available at www.v2LightingGroup.com/downloads

Modifications Any modification or customization is possible - consult factory

















# **ORDERING LOGIC -**

	Driver		Mounting							
Model	Location	Dimming	Location	Output	CRI *	C.C.T.	Reflector	Shell	Options	
C4SM	-			-				-	-	
	R=Remote	<b>N</b> =None	<b>D</b> =Damp	<b>07</b> =700 lm	<b>83</b> =83	<b>27</b> =2700K	<b>11</b> =11° **	xx		
	<b>D</b> =Deep	P=Phase	W=Wet	<b>10</b> =950 lm	<b>98</b> =98*	<b>30</b> =3000K	<b>25</b> =25°	(see chart on page 4)		
	Canopy	<b>V</b> =0-10V		<b>13</b> =1300 lm		<b>35</b> =3500K	<b>41</b> =41°			
		Z=Other		<b>20</b> =2000 lm		<b>40</b> =4000K	<b>51</b> =51°	<b>ZZ</b> =Custom		
				30=3000 lm			83=83° **		Specify	mounting and finish
				<b>40</b> =4000 lm					Opcomy	mounting and miles

\* 98 CRI not available in 4000 lm \*\* Not available with wet location

Example Part Number: C4SM-RND-20832741-S3

CORE 400 SX Surface Mount - Remote Driver, No Dimming, Damp Location - 2000 lm, 83 CRI, 2700K, 41° Reflector - S3 Red Shell

rev 151207 @2015 v2 Lighting Group, Inc. Specifications subject to change without notice.

v2LightingGroup.com

**Exterior Lighting Cutsheets** 

503-222-4000

Project:

Notes:

Description: RP4-10L35-UNV-1C-FR-SV-4

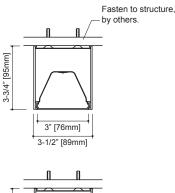
Pearl East

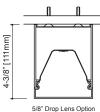
Type:

PENT **ROOF** 









# Regolo 4 LED Surface Series

Type:	Project:	Qty:
	Date:	
Catalog	#:	

# **Description:**

The Nulite Regolo RR4 series is a nominal 4" profile surface mount LED luminaire. The slender design is ideal for corridors, open and private offices, classrooms, lobbies and general purpose rooms.

# **Specifications:**

Construction: The housing consists of visible extruded aluminum side rails with formed cold rolled steel back channel and heavy gauge end caps. Housing can be joined together for continuous row applications. Standard finish is powder coat textured white. Optional silver, black or custom color paint finishes.

Reflector / Driver: Reflector / driver cover is finished with high reflectance white paint. Constant current electronic driver with 0-10V dimming input; dimming range from 100% down to 10%. Universal (UNV) voltage is from 120 - 277V, 50/60 Hz.

Shielding: Extruded frosted acrylic or satin white acrylic snap-in lens with DR.

**LED Module**: Distributed LED array in a variety of lumen output packages. LED color is available in (L30) 3000K, (L35) 3500K or (L40) 4000K. Module is replaceable. L90 ≥ 100,000 hours.

Mounting: Surface mounting, individual or continuous row.

Labels: ETL listed, conforms to UL Standard 1598 / 8750 and CSA Standard C22.2, Damp location.

Warranty: 5-year limited warranty on LED and Driver.

## **Ordering Information**

Sample: RR4-05L35-UNV-DIM-1C-FRD-WH-8'

Series	Lumen Package <sup>1</sup> / L	Voltage	Driver	Circuit	Shielding		Color	Length	Options	
RR4										
RR4 (Surface - Nom. 4")	03 (~398 lm/ft, 4.2W/ft) L30 05 (~580 lm/ft, 6.3W/ft) L35 06 (~739 lm/ft, 8.3W/ft) L40 09 (~896 lm/ft, 10.4W/ft) 10 (~1052 lm/ft, 12.5W/ft)		UNV 120 277	DIM <sup>2</sup> Dimming SD <sup>3</sup> Step Dimming	1C Single Circuit 1E Single Circuit w/ EM Circuit	(Frosted)	F (Flush lens)  D (Opaque Ends Drop lens)  L (Luminous Ends Drop lens)	nds BK (Black) SV (Silver) Ends CC	2' 3' 4' 5' 6' 7' 8'	OS End of run Occupancy Sensor  DS End of run Daylight Sensor
Specify driver										

- 1. Nominal lumen output per foot w/ frosted lens.
- 2. 0-10V dimming inputs; dimming range 100% down to 10%, consult factory for specifications.
- 3. Consult factory.
- 4. 6" increments are common custom lengths. We can provide custom run length down to the nearest (+/- 1/8").
- 5. Not available with luminous end drop lens.



Specifications and dimensions are subject to change without notification. Specification sheets on our website supersede all other versions.

2015 Rev. C Nulite reserves the right to bulk package any order.

10770 East 51st Avenue, Denver, CO 80239 Phone 303-287-9646 Fax 303-287-0316 www.nulite-lighting.com

# Exterior Lighting Cutsheets





# **Submittal Data Sheet**

22-Ton VRV-IV Heat Recovery Unit - 230V REYQ264TTJU

## **FEATURES**

- Variable Refrigerant Temperature (VRT) control allows the VRV IV to deliver up to 28% of improvement in seasonal cooling efficiency compared to previous Daikin VRV heat recovery systems
- Improved efficiency with IEER values now up to 29.3
- Can provide heating down to -13°F WB as standard
- Larger capacity single modules ranging up to 14 tons and systems up to 38 tons allow for a more flexible system design, when compared to VRV III
- New configurator software designed to simplify the commissioning and maintenance of the system
- Standard Limited Warranty: 10-year warranty on compressor and all parts
- Larger capacity single modules allow for opportunity to reduce electrical connections, piping connections and outdoor unit mounting fixtures
- All inverter compressors to increase the efficiency and avoid starting current inrush
- Assembled in the US to increase flexibility and reduce lead times

## **BENEFITS**

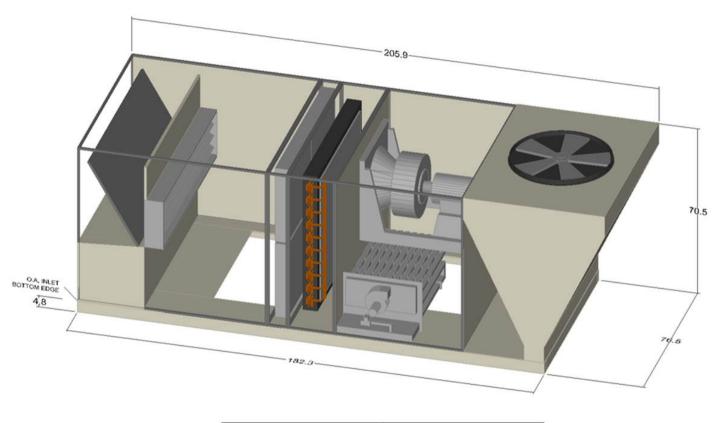
- Can operate up to 64 indoor units on a single piping network
- Inverter control board cooled by refrigerant to avoid influence from ambient temperatures
- Integrated inverter technology deliver maximum efficiency during part load conditions and provide precise individual zone control
- Heat exchanger coil wraps around on all 4 sides of the unit to increase the surface area/efficiency
- Continuous heating during defrost and oil return allows constant comfort control
- Modular and lightweight enables flexibility in system layout and installation
- Ultra gold fin coating with a salt spray test rating of 1000 hours provides superior corrosion resistance for applications near seacoasts and other corrosive environments
- Design flexibility with long piping lengths up to 3,280 ft. total and 100 ft. vertical separation between indoor units
- Designed with reduced MOP to optimize installation cost
- Digital display on the unit for improved and faster configuration, commissioning, and troubleshooting.

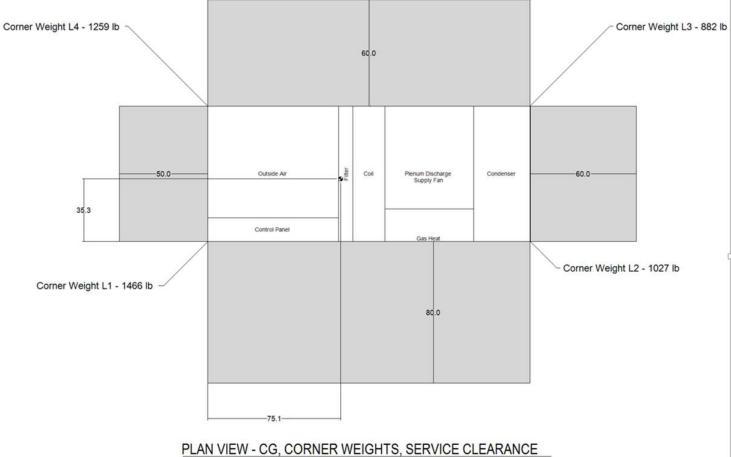












Air Handling Unit Cutsheets



# EXHIBIT B APPENDIX C RESPONSES TO DAR MEMO





# City of Portland, Oregon

# Bureau of Development Services Land Use Services

FROM CONCEPT TO CONSTRUCTION

Dan Saltzman, Commissioner Paul L. Scarlett, Director Phone: (503) 823-7300 Fax: (503) 823-5630 TTY: (503) 823-6868 www.portlandoregon.gov/bds

# **SUMMARY MEMORANDUM**

**DATE:** May 3, 2016

TO: Suzannah Stanley, Mackenzie

**FROM:** Tim Heron, Design and Historic Resource Reviews

503-823-7726, tim.heron@portlandoregon.gov

**CC:** Portland Historic Landmarks Commission

**RE:** EA 16-108208 DA Pearl Building East

Thank you for meeting with the Historic Landmarks Commission on March 28, 2016 to seek their advice regarding the above-referenced proposal. I hope you will find it useful as you further develop the concept. Attached is a summary of the Commission's comments generated from staff notes and from review of the recording of the meeting. To review those recordings, please visit:

http://efiles.portlandoregon.gov/Record?q=recClassification%3A7547&sortBy=recCreated On-

These Historic Landmarks Commission comments are intended to guide you in further project exploration, and they may also inform the staff when carrying out any future related land-use reviews. Keep in mind that these comments address the proposal as it was presented to the Commission on March 28, 2016, and that as the concept evolves they may no longer apply in the same way.

The Historic Landmarks Commission's advice is not a substitute for code-required land-use or legislative procedures. Please keep in mind that if the applicable cost threshold in the Zoning Code is met, a formal Type III land-use review process is required in order to obtain approval for a proposal.

At the end of the advice meeting on March 28, 2016, our understanding was that you would not be returning to the Historic Landmarks Commission for additional consultation. Please continue to coordinate with me if the proposal is going to advance.

Encl: Summary Memo

Cc: Landmarks Commission Respondents

This memo summarizes **Historic Landmarks Commission** design direction provided on **March 28, 2016** 

# **Commissioners Present:**

Jessica Engeman, Paul Solimano, Caroline Dao, Kirk Ranzetta, Kristen Minor, Mathew Roman, Carin Carlson

# **Topics for Discussion:**

- 1. Overall scale and massing
- 2. NW 13th Avenue loading dock frontage and NW Glisan frontage
- 3. Rooftop penthouse
- 4. Building Windows
- 5. Materials and details

# **Executive Summary:**

The Landmarks Commission was very supportive of the overall scale and massing of the proposal. While a larger building would not be found approvable, the attention to high-quality materials and details make the scale and massing of the new addition complimentary to the NW 13<sup>th</sup> Avenue Historic District.

# **Specific Discussion:**

# 1. Overall scale and massing

- The overall massing of a 6-story building with a setback penthouse level from the adjacent streets [facing west and south] is generally appropriate.
- The blocky, muscular expression appears to have taken great care in crafting its proportions.
- Commissioners expressed concern however with the perception of the penthouse level's non-street facing elevations [facing north and east], appearing flush with the building end walls, emphasizing a 7th floor massing at these elevations. Additional design development and refinement will be needed to differentiate this level from the 6 floor building mass.

**RESPONSE**: The penthouse has been set back and disconnected from the major facades. The metal panel cladding also differentiates the penthouse walls from the mass of the brick building.

- The street facing 6<sup>th</sup> floor parapet and window patterning may also need another level of design refinement as well.
  - o The current design feels too heavy, having too tall a solid brick expression between the  $6^{th}$  floor windows and the expressed cornice band.
  - o Commissioners expressed some concern regarding the expression of the 6<sup>th</sup> floor windows needing additional treatment or differentiation from the windows below and/or potentially pulling the windows above the decorative banding.
  - o Additional treatments could include further development of the cornice condition, potentially adjusting its placement at the 6<sup>th</sup> floor parapet to achieve a better proportion at the top of the building. The parapet may be able to stay at its current height above the roof if the cornice moves or perhaps gets slightly larger.

**RESPONSE**: Additional treatment of this level was explored and the Project team feel the differing window surrounds and proportion of brick field are appropriate expressions of the tripartite organization.

The cornice is sized to act as a guardrail so that an additional guardrail, in glass or other material and possibly adding clutter, is not necessary. The depth of the cornice also reduces sightlines of the penthouse and mechanical areas from the street. Oversized or more ornate cornices are not represented in existing buildings.

- The east and north ends walls were also discussed in some detail and additional refinement will be needed for the Land Use Review submittal.
  - $\circ$  The east end wall up to the 6<sup>th</sup> floor parapet was generally acceptable as a painted CMU or other uniformly textured surface, provided the NW Glisan

Street brick façade and decorative detailing returns around the east façade as typically done in the district. Simple banding lines, perhaps of another material, would also be appropriate.

- A public art installation would also be appropriate for this prominent wall as well.
- o As discussed above, additional treatment is necessary for the wall of the penthouse level facing this elevation.
- The north end wall's 50' wide eastern portion facing outside the Historic District will need to follow the same concerns raised for the east end wall.
- o The north end wall's 50' wide western portion facing the Historic District will need to be of the same red brick material, and use a more simplified approach to this elevation's detailing. One Commissioner noted that the entire north elevation, given its likely visibility from the district, should be entirely brick clad.
- o Pending the outcome of the building appeal and consultation with the northern neighbors facing this elevation, Commission was supportive of windows being added to this elevation, but in either case, decorative brick details such as banding and the cornice should also return this section of the north wall. However, the windows if used should have a simpler appearance at this wall, without inset surrounds.

**RESPONSE**: Due to the restrictions posed by property owners to the north, there is a strong possibility that construction techniques will be limited to laid-up CMU from the Project property. Concrete bands would naturally be expressed at floor lines. The Project is submitting one option to add windows in one bay should the neighboring property owners reach a construction agreement.

# 2. NW 13th Avenue loading dock frontage and NW Glisan frontage

- Commission was very supportive of the NW 13<sup>th</sup> Avenue dock treatment, wood material, ADA ramp design, and overhanging canopy structure.
  - o The storefront design however needs additional design development, particularly the proportion of the storefront header, which may be out of scale with the otherwise more proportional hand-drawn example provided.
  - Consideration of additional storefront modules within these tall bays may also improve the overall proportions. As developing the section details, consider intermediate mullions and planar shifts in the various storefront elements.

**RESPONSE**: Proportions and divisions of the storefront elements reflect those of the existing building across 13th Avenue as well as structural requirements to support the storefront and canopy systems.

- Commission was also unified in their concern of several aspects of the NW Glisan Street frontage, particularly that a Ground Floor Windows Modification Request is likely necessary, and that an Adjustment approval should parking access be desired for this site.
  - o The garage door needs more design development to lower and/or mitigate its tall height and current design. Some considerations that were offered included a canopy feature to potentially mitigate the scale, additional design development of the egress door and transoms, and revising the door design.
  - Views into the garage, whether the door opened or closed [through perforations] is not a desirable solution. Ventilation and speed of operation of the door will need to be carefully considered given the zero-property line setback of the building and garage door.
  - o The exposed basement level below the storefront windows will also need additional design refinement.

**RESPONSE**: A Modification to the ground floor window standard and an Adjustment to the parking access limitation have been requested. Project design directly reflects the Committee's suggestion to add a canopy over the garage entrance and visually decrease the size of the opening. Decorative louvers in an industrial style are proposed at the concrete base of the building on Glisan Street.

## 3. Rooftop penthouse

- Commission comments addressed above in "#1 Overall scale and massing."
- Commission reiterated the penthouse is at its maximum size and height.
- Commission also asked consideration of a more industrial expression of the penthouse addition; consideration of dark and/or metal materials may be an appropriate solution and more in keeping with other rooftop penthouse additions in the district.

- A clean rooftop penthouse design is important; Commission supported staff concerns of mechanical equipment not being located on the roof of the penthouse.
  - o The proposed mechanical corral on the NE corner of the building at the penthouse floor level may present an opportunity to reduce the massing at this corner of the building. Additional detailing and location of mechanical equipment at this corner will be critical.
- Additional perspective views of the north elevation from within the Historic District will be necessary to best evaluate this elevations impact.

**RESPONSE**: Proposed penthouse materials are light-colored metal panel to blend into sky when viewed from the street and not distract from the bulk of the building. The mechanical equipment has been sized to be hidden by the parapet only with no additional screening required. Additional views of this area are provided in the Application.

# 4. Building Windows

- The highest quality window system that best reflects the color, scale, proportions and sectional relationships of this Historic District's National Register status will be expected. Commission has not yet seen a vinyl window system that meets this bar.
- The current design appears a half-step towards an industrial style, and the 6<sup>th</sup> floor window level as a multi-light metal sash window at the top level to differentiate this level. While this may be appropriate, Commission encouraged further exploration of the window system being lacier at the 6<sup>th</sup> floor.
- The equally divided four pane mullion pattern represented in Option A on Sheet C.20 for floors 2-5 appeared most appropriate, specifically excluding the 6<sup>th</sup> floor design shown in that option.

**RESPONSE**: Proposed windows are historic reproduction thermally broken steel system. The additional mullion detailing to reflect surrounding buildings with factory sash windows (see context photos on previous pages). This tripartite nature of the building mass is a key component in achieving an appropriate level of design detail, especially as this is a new building in a historic district.

# 5. Materials and details

- Commission appreciated the board form concrete as a base material for this project, particularly as a modern material with historic ties.
- The variegated standard brick size and mortar dimensions were supported by the Commission, with some Commissioners preference towards the black spotted brick example to be included in the mix.
- Commissioners would also support, given the building's desire to fit into the Historic District with a large degree of historic accuracy, to include a "date stamp" feature on the building.

**RESPONSE**: Proposed brick mix includes some black "clinker" style bricks. The brick module is a standard 3 bricks and 3 mortar joints equaling 8". A date stamp is proposed in the Application page B.27.

## **Exhibit List**

- A. Applicant's Narrative & Drawings
  - 1. January 20, 2016 Submittal
- B. Zoning Map (attached)
- C. Drawings
  - 1.-29. Site Plan, Elevations, Renderings, Sections
- D. Notification information
  - 1. Posting letter sent to applicant
  - 2. Notice to be posted
  - 3. Applicant's statement certifying posting
- E. Agency Responses
  - 1. Bureau of Environmental Services
  - 2. Portland Bureau of Transportation
- F. Public Testimony [none]
- G. Other
  - 1. Application Form
  - 2. Land use history
- H. Hearing March 28, 2016
  - 1. Staff Memo with attachments
  - 2. Staff PPT
  - 3. Testimony Sheet