Terminal Concept Design 2019.10



Terminal Concept Design Option History 2017

2017 - 2018

VERSION	DESCRIPTION	VERSION	DESCRIPTION
2017.1	Flat Roof with 40'Open Pergola June	2017.6	Saltbox with Roof Extension over Pla 2 & 3 Bay Versions December – April 2018
2017.2	Shed Roof with 40' Plaza Cover June	2017.7	Saltbox with Glass Roof over Plaza 2 & 3 Bay Versions December – April 2018
2017.3	Saltbox – 40' Plaza Cover (60' Cover Alternate) June	2017.8	Saltbox with Flat Pergola over Plaza 2 & 3 Bay Versions December – April 2018
2017.4	Saltbox – 40' Open Pergola June	2017.9	Saltbox with Canopies over Plaza 2 & 3 Bay Versions December – April 2018
2017.5	Saltbox – 40' Sloped Canopy June		

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2019

Plaza









Terminal Concept Design Option History 2018

VERSION	DESCRIPTION	
2018.1	Saltbox with Flat Glass Pergola on 3 Sides Umbrellas Added to Plaza August –October	
2018.2	2 Story Flattened Saltbox, Ridge 5' Lower, Both 123' and 113' L Versions November – December	
2018.3	3 Story Tower, Reduced to 113'L December	
2018.4	2 Story Gable with Shed, 123'L December	

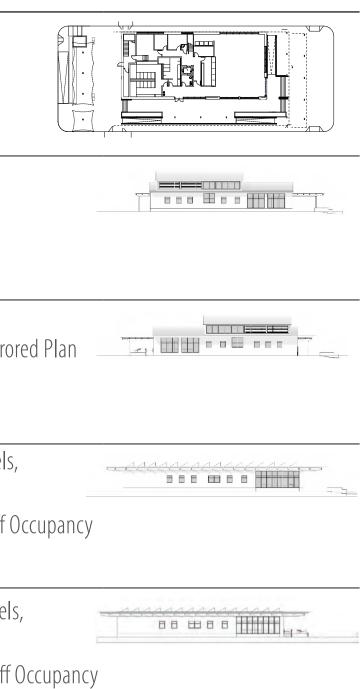
July

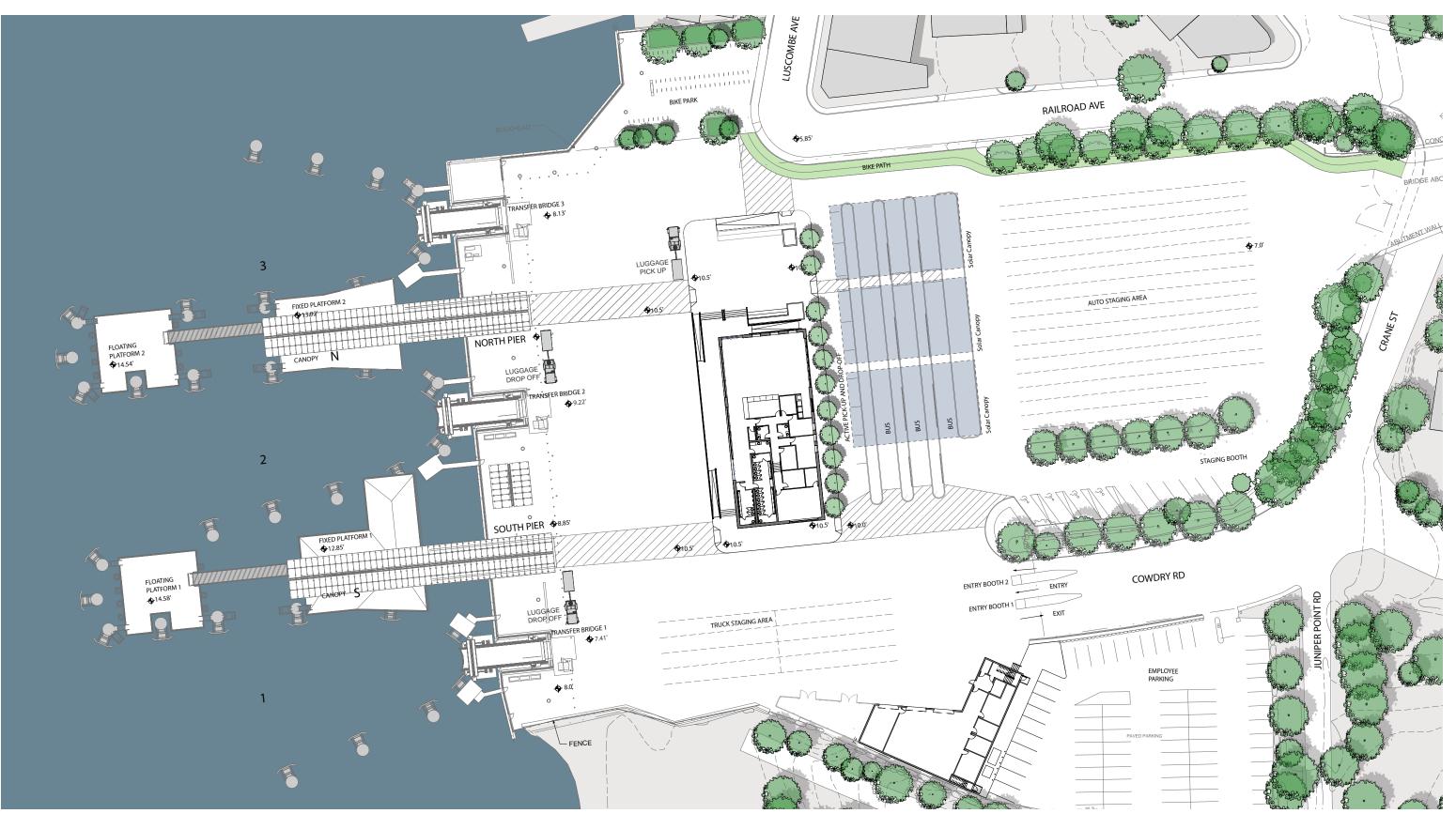
2019

Terminal Concept Design Option History 2019

VERSION	DESCRIPTION	VERSION	DESCRIPTION
2019.1	Reduced Height Saltbox, 113 L Revised Program February	2019.6	2 Story Flattened Gable – Shifted Northward & Mirrored June
2019.2	2 Story Flattened Saltbox, Reduced to 113' L January – March	2019.7	2 Story Pitched Roof, 1 Story over Waiting Room, Reduced to 113'L July – August
2019.3	2 Story Flattened Gable, 1 Story Waiting Room, Reduced to 113'L January – March	2019.8	2 Story Pitched Roof, 1 Story over Waiting Room – Mirror Reduced to 113'L July – August
2019.4	2 & 3 Story Crossing Gable, Reduced to 113'L January – March	2019.9	1 Story Flat Roof with Solar Panels, 133'L 2 Story Utility Building with Staff O July – August
2019.5	2 Story Flattened Gable – Shifted Northward June	2019.10	1 Story Flat Roof with Solar Panels 123'L 2 Story Utility Building with Staff (July – August

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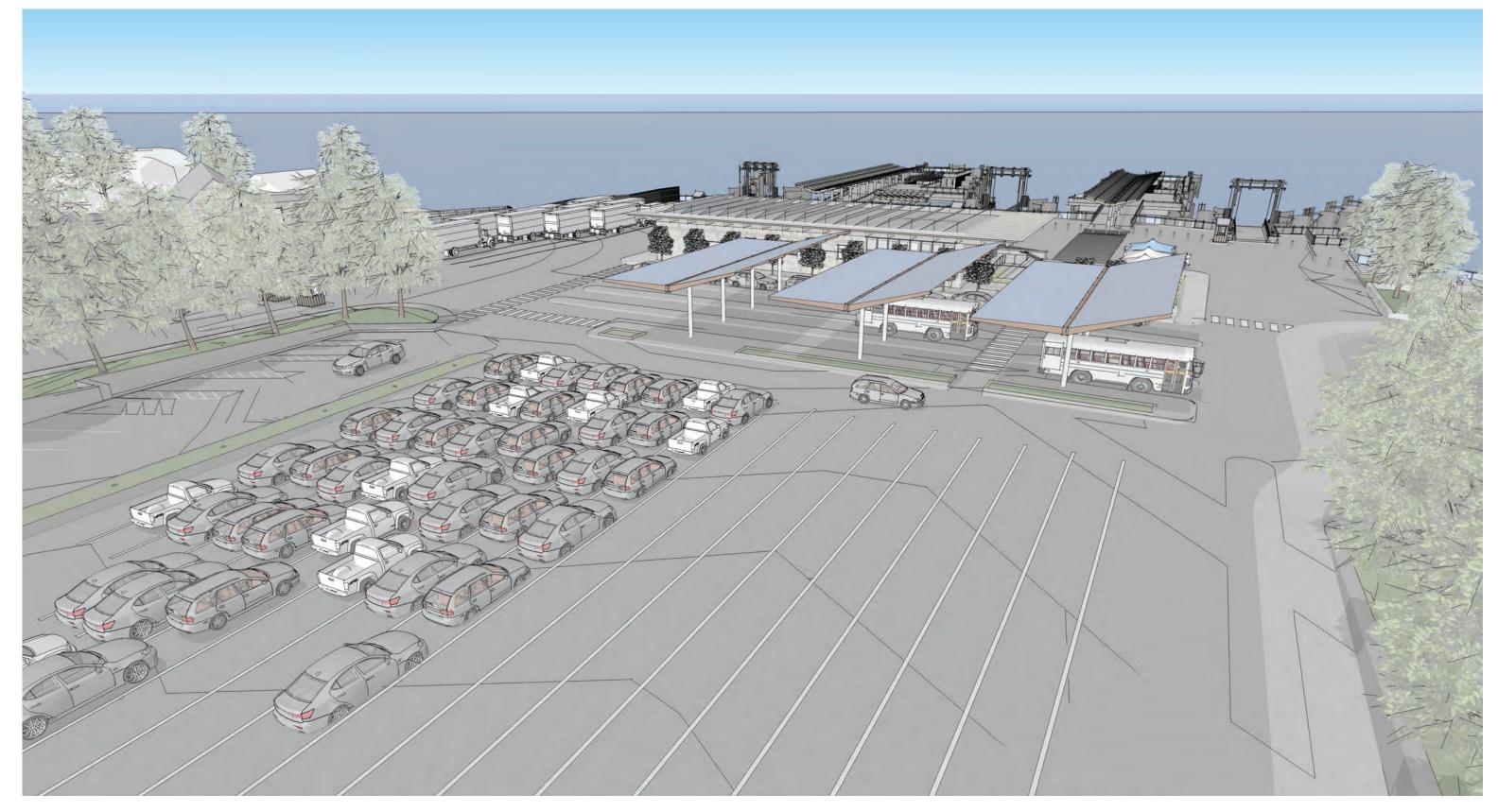




October

2019

Option 2019.10 One Story Terminal with Bus Berth Solar Canopies





Option 2019.10 One Story Terminal with Bus Berth Solar Canopies



2019

Option 2019.10 One Story Terminal with Bus Berth Solar Canopies

Temporary Terminal

Gross Area	3,600 sf
Average Annual Energy Usage	139,629 sf
Average Annual Energy Usage per Square Foot	39 kWh/sf

Future Terminal

*

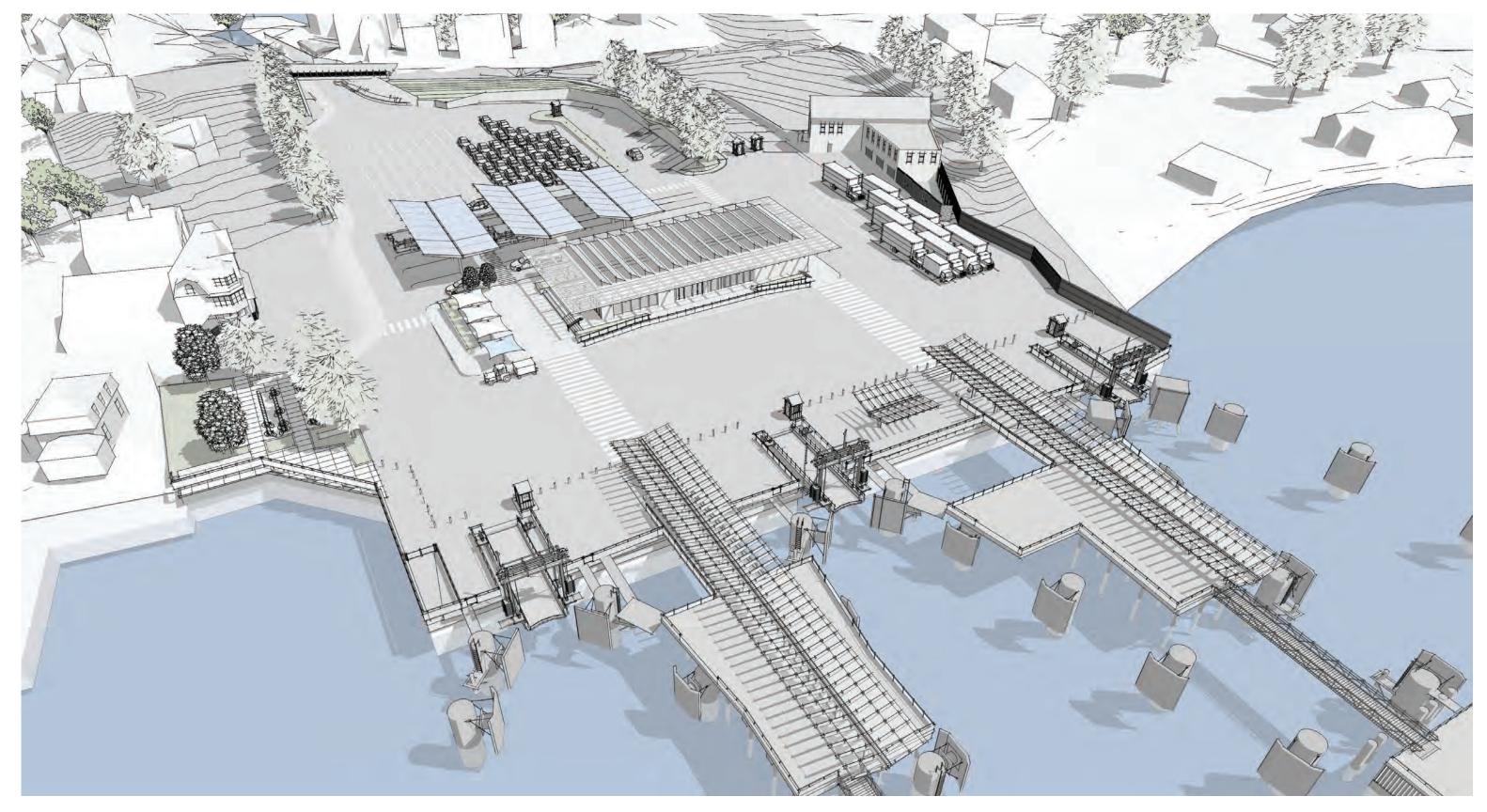
Gross Area	6,888	sf
Average Annual Energy Usage	267,158	kWh/sf
Average Annual Energy Usage per Square Foot *	39	sf

Annual Solar Energy Production

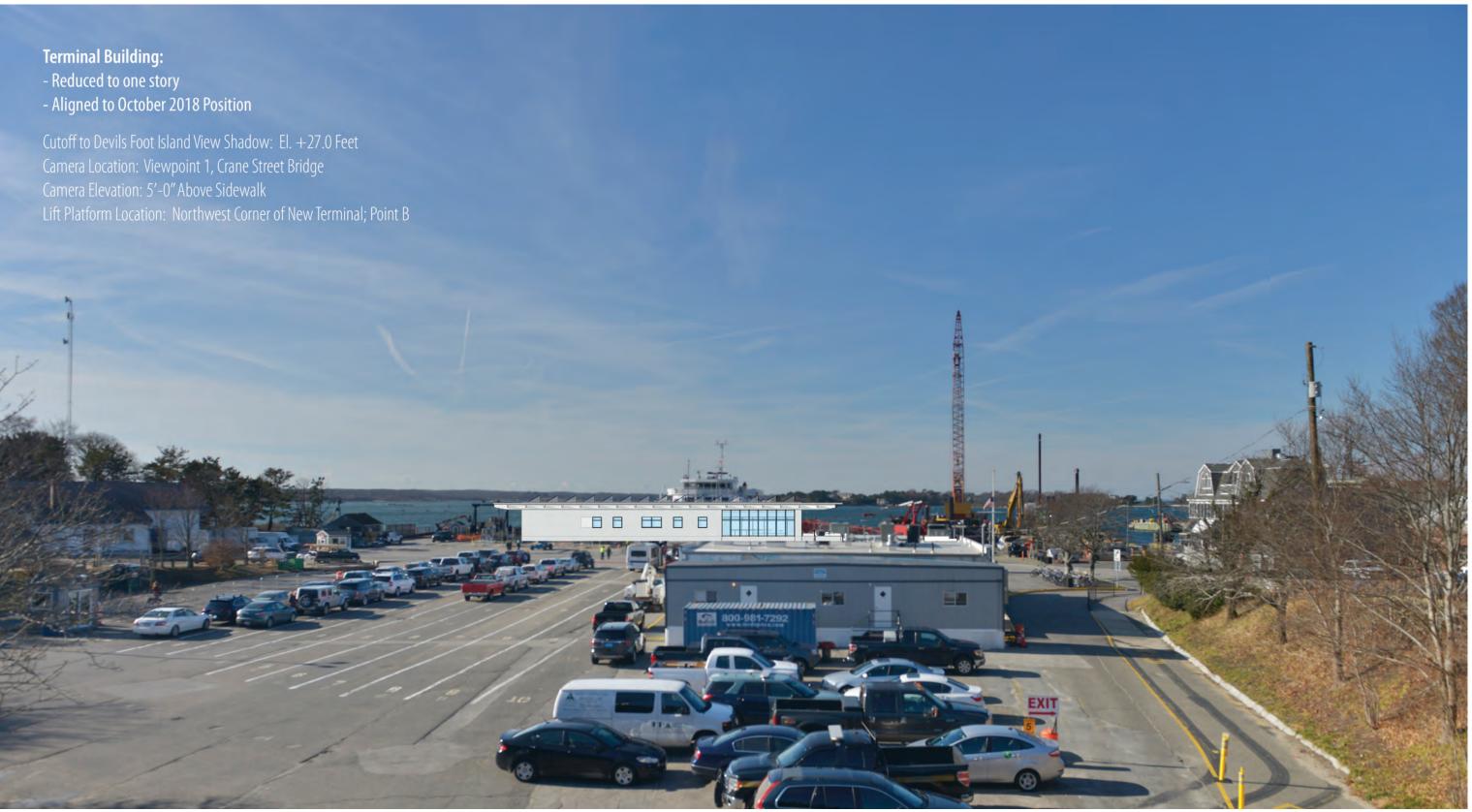
Bus Berth Solar Canopies	115,000
Rooftop Solar Panels	24,000
	139,000 kWh
% of Terminal Energy Demand Produced On Site	52%

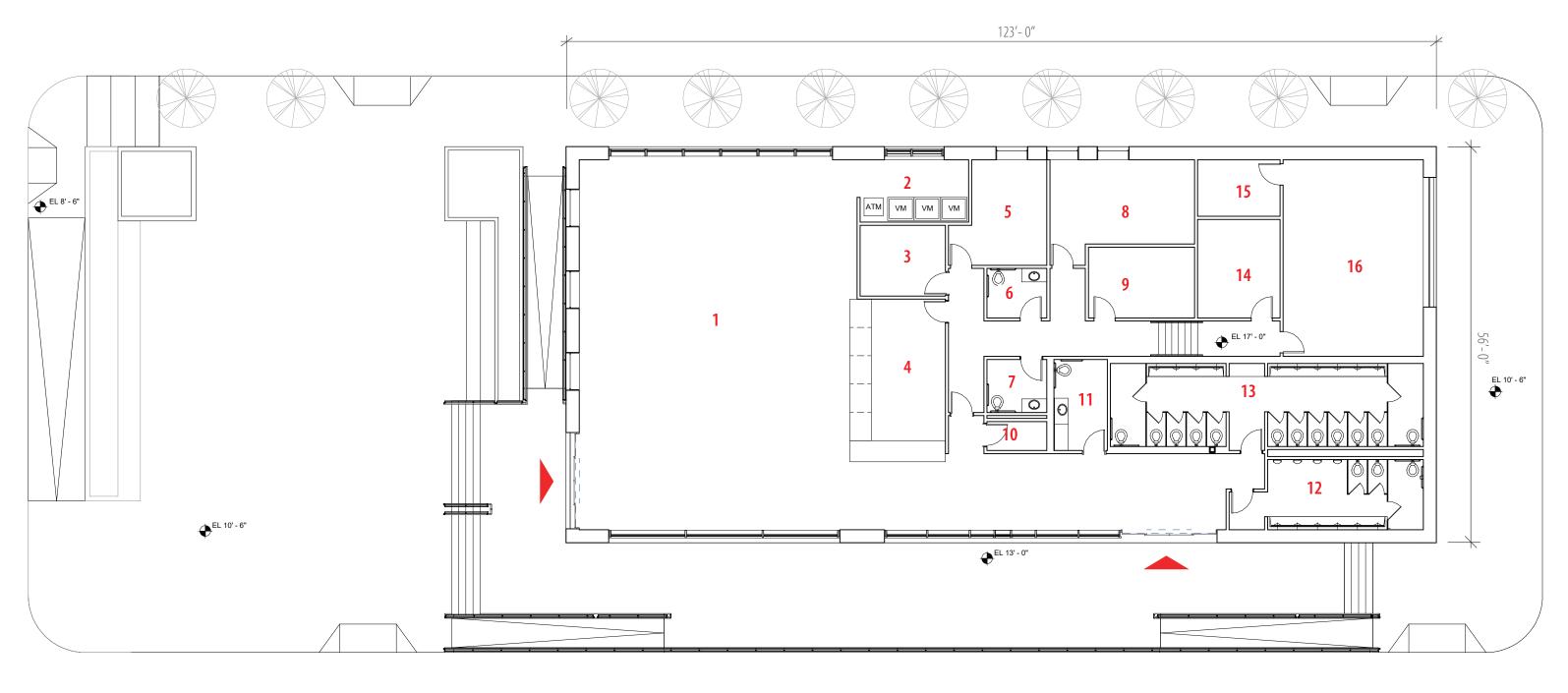
Assume equal to the temporary terminal

August



2019





First Floor Plan

1. WAITING ROOM 40'-0" x 50'-0" 2. VENDING 15'-0" x 8'-0"

3. CASH ROOM 15'-0" x 8'-0"

4. TICKETING 12'-0" x 20'-0" **5. BREAK ROOM** 12'-0" x 12'-0" 6. EMPLOYEE RESTROOM - MEN

8'-0" x 10'-0"

7. EMPLOYEE RESTROOM - WOMEN 8'-0" x 10'-0"

8. TERMINAL AGENTS OFFICE 13'-0" X 17'-6"

9. TERMINAL MANAGER'S OFFICE 9'-0" X 17'-6"

10. JANITOR 5'-0"X 8'-0"

11. UNISEX RESTROOM 1 W.C. / 1 LAV 8'-6" x 8'-6"

12. PUBLIC MEN'S RESTROOM 3 W.C. / 4 UR / 4 LAV 13'-0" x 16'-6"

13. PUBLIC WOMEN'S RESTROOM 12 W.C. / 10 LAV 24'-6" x 25'-0"

14. TELECOM / DATA 9'-0" x 17'-6"

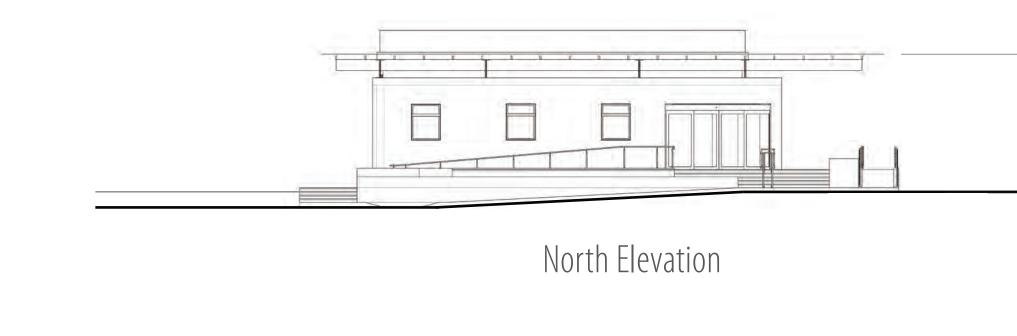
15. ELECTRICAL ROOM 8'-6" x 12'-0" **16. MECHANICAL**

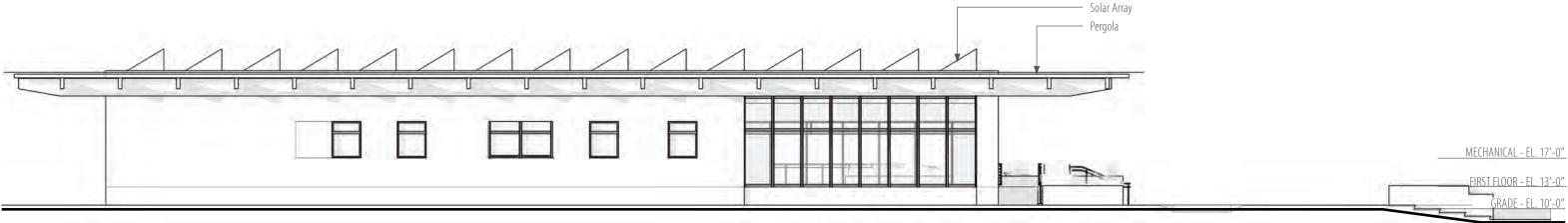
20'-0" x 23'-0"

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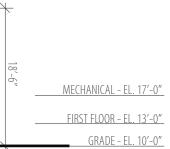
2019

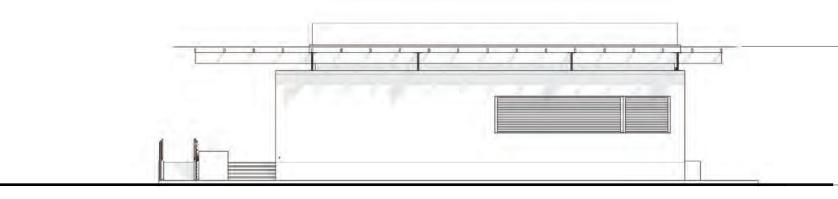




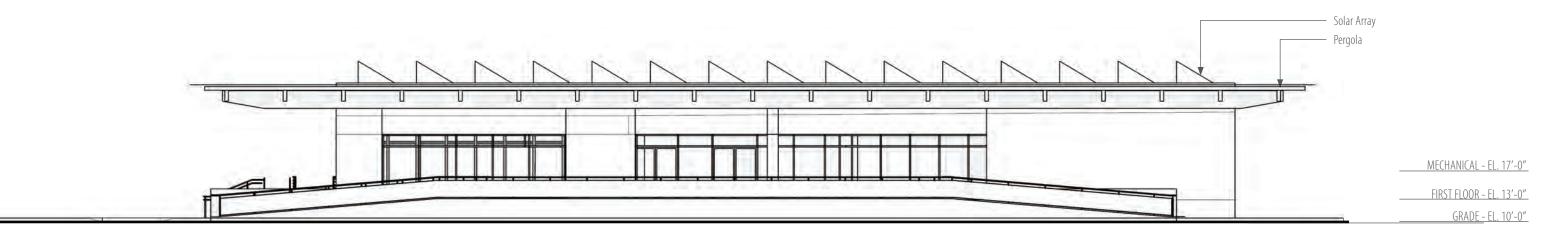


East Elevation

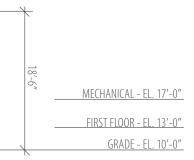


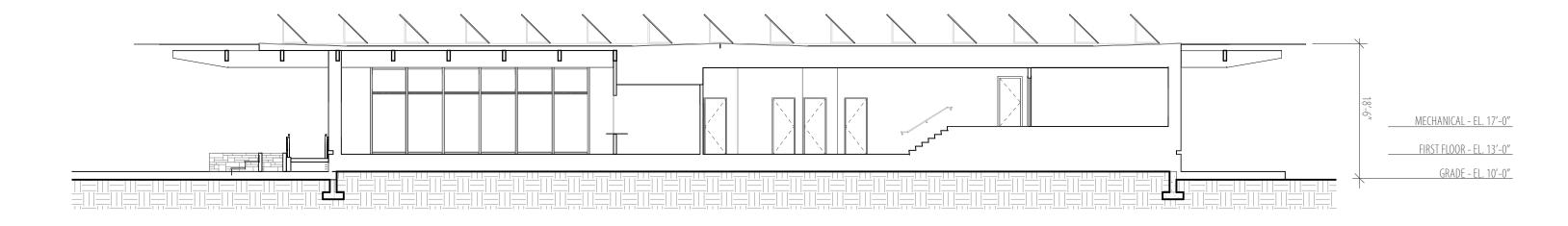




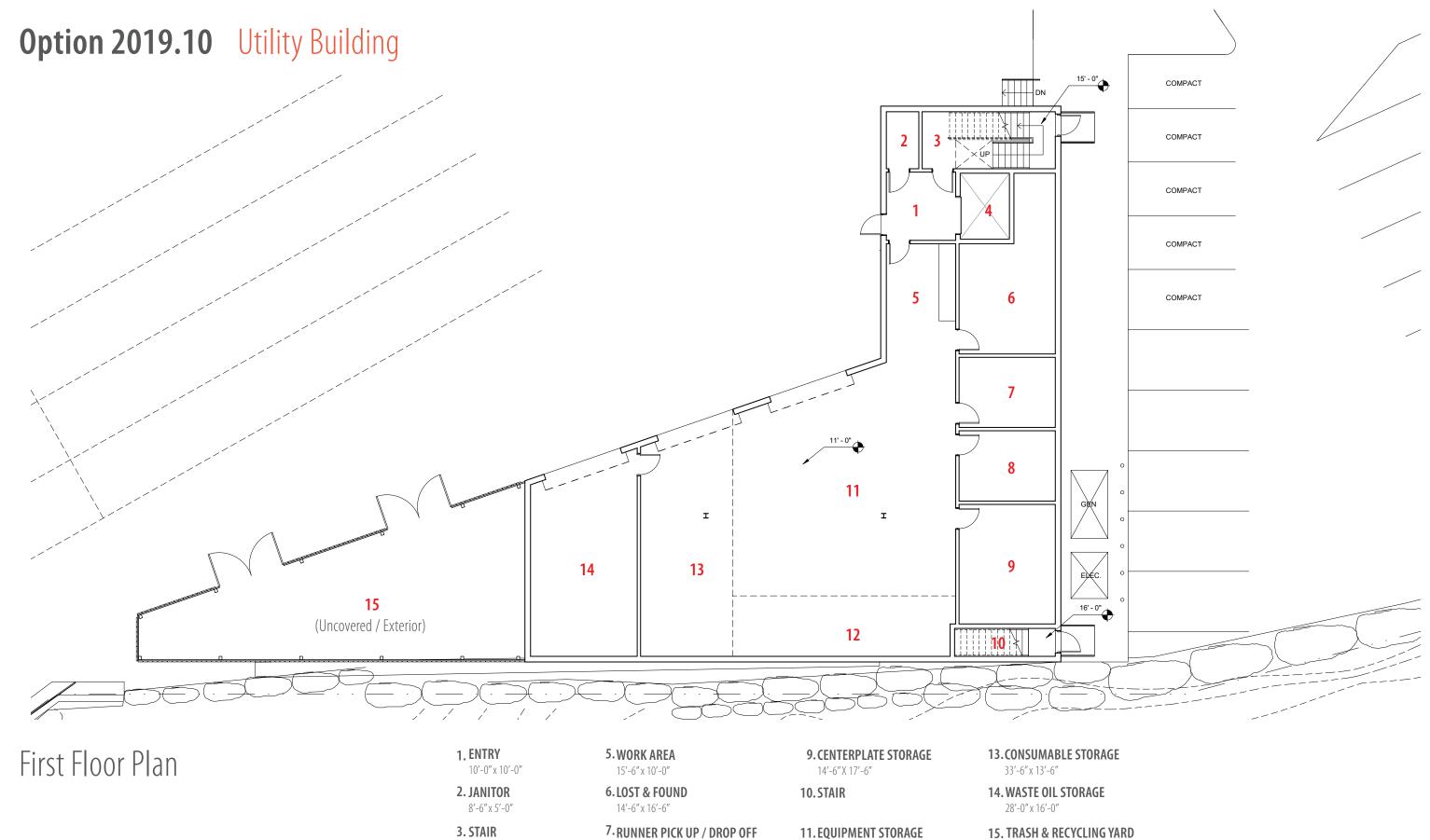


West Elevation





Section



14'-6" X 10'-6"

8. VINEYARD SPACE 14'-6" X 10'-6"

4. ELEVATOR

31'-0"x 33'-6"

9'-0" x 33'-6"

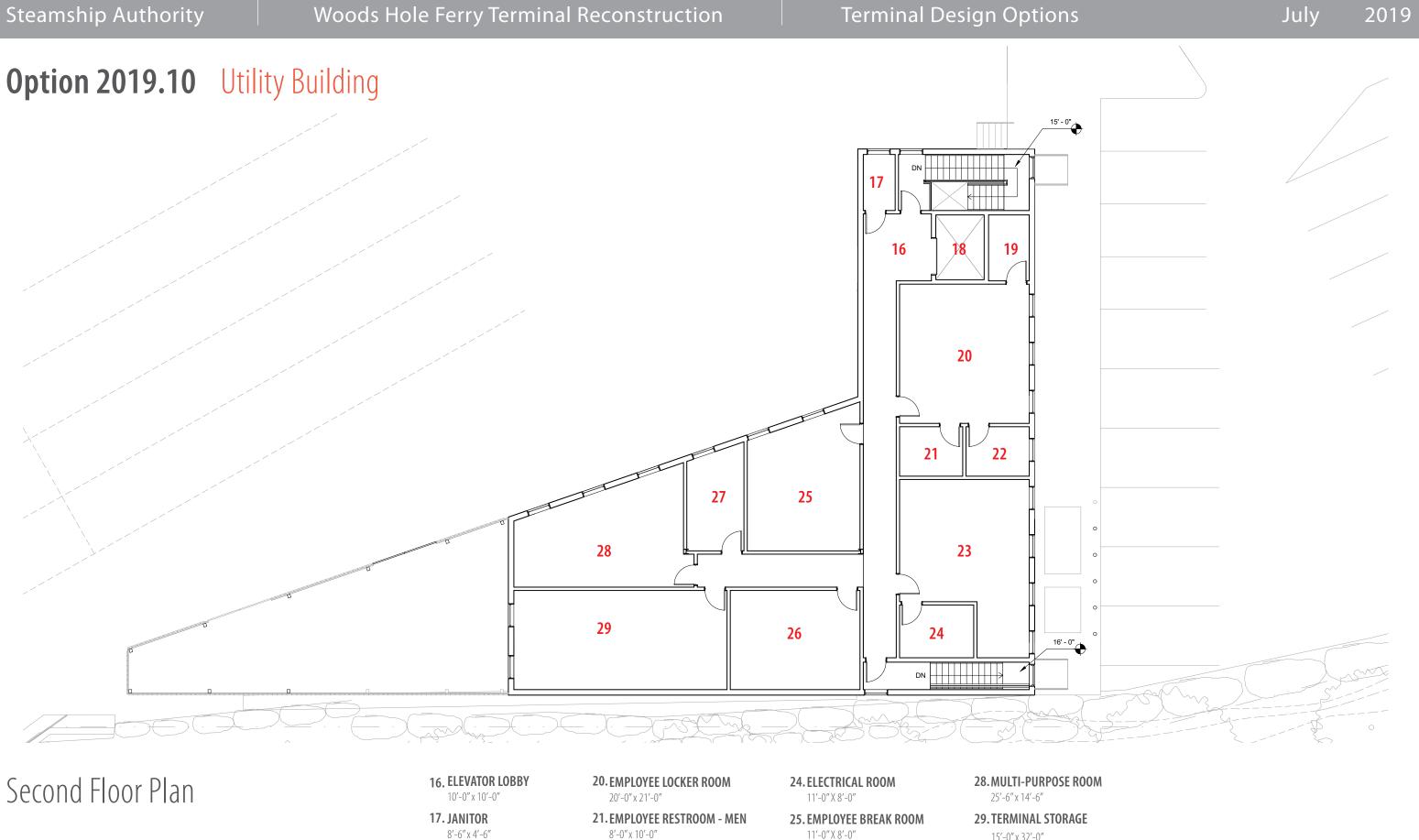
12. MISCELLANEOUS STORAGE

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July

2019



22. EMPLOYEE RESTROOM - WOMEN

19. ELEVATOR MACHINE ROOM 10'-0" x 6'-0"

18. ELEVATOR

23. MECHANICAL 20'-0" X 18'-6"

8'-0"x 10'-0"

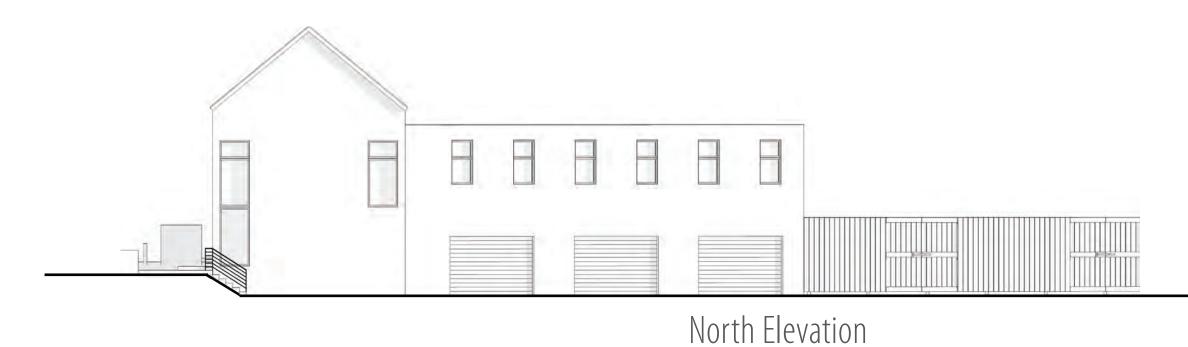
15'-0" x 32'-0"

26. LINEN 19'-6" x 15'-0"

27. TELECOM / DATA 15'-0" x 8'-6"

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Option 2019.10 Utility Building





East Elevation

West Elevation

SECOND FLOOR - EL. 23'-0"

FIRST FLOOR - EL. 11'-0"

Program Comparison

Terminal Building				Utility Building			
2019.7 & 2019.8 2019.10			2019.7 & 2019.8		2019.10		
Two Story Terminal		One Story Terminal		Unoccupied		Occupied	
Public Service Areas		Public Service Areas					
Lobby/Passenger Waiting Area	1,900	Lobby/Passenger Waiting Area	2,067				
Vestibules/Entryways	344	Vestibules/Entryways	559				
Food Concession/Vending	140	Food Concession/Vending	127				
Public Restrooms	982	Public Restrooms	940				
Ticket Selling / Customer Service Areas		Ticket Selling / Customer Service Areas					
Ticket/Cust. Serv. Counter Area	225	Ticket/Cust. Serv. Counter Area	258				
Cash Handling Area	120	Cash Handling Area	120				
Line Employee Areas		Line Employee Areas		Line Employee Areas		Line Employee Areas	
Employee Restrooms	160	Employee Restrooms	130	Employee Restrooms	-	Employee Restrooms	184
Employee Locker Room	415	Employee Locker Room	-	Employee Locker Room	-	Employee Locker Room	415
Employee Break Room	412	Employee Break Room	177	Employee Break Room	-	Employee Break Room	336
Dockworkers Restroom	-	Dockworkers Restroom	-				
Dockworkers Break Room	-	Dockworkers Break Room	-				
Supervisory Employee Areas		Supervisory Employee Areas					
Terminal Manager Office	120	Terminal Manager Office	150				
Terminal Agents Office	258	Terminal Agents Office	258				
Other Purpose Areas		Other Purpose Areas		Other Purpose Areas		Other Purpose Areas	
Multi-Purpose Room	380	Multi-Purpose Room	-	Multi-Purpose Room	-	Multi-Purpose Room	380
Storage Areas		Storage Areas		Storage Areas		Storage Areas	
Janitor's Room	39	Janitor's Room	35	Janitor's Room	-	Janitor's Room	82
Storage Room	156	Storage Room	-	Terminal Storage Room	-	Terminal Storage Room	486
Storage Room	72	Storage Room	-	Trash & Recycling	1,000	Trash & Recycling	1,000
				Waste Oil Storage	450	Waste Oil Storage	450
				Lower Level Equp. Storage	1,100	Lower Level Equp. Storage	1,090
				Lower Level Consumable Storage	460	Lower Level Consumable Storage	460
				Lower Level Work Area	170	Lower Level Work Area	160
				Vineyard Space	150	Vineyard Space	150
				Runner Drop-Off / Pick Up Area	136	Runner Drop-Off / Pick Up Area	150
				Lost and Found Area	275	Lost and Found Area	300
				Miscellaneous Space	296	Miscellaneous Space	296
				Linen Area	296	Linen Area	296
				Centerplate Storage		Centerplate Storage	

Mechanical/Equipment Areas		Mechanical/Equipment Areas	Mechanical/Equipment Areas	
Electrical Room	104	Electrical Room	100	Electrical Room
Mechanical Room	630	Mechanical Room	550	Mechanical Room
Data/Telecom Center	178	Data/Telecom Center	160	Data/Telecom Center
Elevator Machine Room	30	Elevator Machine Room	-	Elevator Machine Room

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Mechanical/Equipment Areas

Electrical Room	90
Mechanical Room	432
Data/Telecom Center	130
Elevator Machine Room	62