

LEED for Building Design + Construction - Project Scorecard

Certified 40 to 49 / Silver 50 - 59 / Gold 60 - 79 / Platinum 80 or more points

PLATINUM		Project Name: DC Water Headquarters	
Scenario #1		Project Address: O Street SW Washington, DC 20003	
80	12	0	18
Yes	+	-	No
Required by Owner/DOC		Regional Priority Credit	
Exemplary Performance		Credit Finalized Online	
Innovation and Design / Exemplary Performance		11.3	

SUSTAINABLE SITES 26

21	4	0	1
Yes	+	-	No
Credit Details			
Y	NO	Prereq 1	Construction Activity Pollution Prevention
1	0	NO	Credit 1 Site Selection
5	0	NO	Credit 2 Development Density and Community Connectivity
0	1	NO	Credit 3 Brownfield Redevelopment
6	0	NO	Credit 4.1 Alternative Transportation, Public Transportation Access
1	0	NO	Credit 4.2 Alternative Transportation, Bicycle Storage & Changing Rooms
3	0	NO	Credit 4.3 Alternative Transportation, Low-Emitting & Fuel-Efficient Vehicles
2	0	NO	Credit 4.4 Alternative Transportation, Parking Capacity
1	0	NO	Credit 5.1 Site Development, Protect or Restore Habitat
1	0	NO	Credit 5.2 Site Development, Maximize Open Space
1	0	NO	Credit 6.1 Stormwater Design, Quantity Control
1	0	NO	Credit 6.2 Stormwater Design, Quality Control
1	0	NO	Credit 7.1 Heat Island Effect, Non-Roof
1	0	NO	Credit 7.2 Heat Island Effect, Roof
1	0	NO	Credit 8 Light Pollution Reduction
21	4	0	1
Yes	+	-	No
Notes			

WATER EFFICIENCY 10

10	0	0	0
Yes	+	-	No
Credit Details			
Y	NO	Prereq 1	Water Use Reduction 20%
4	0	NO	Credit 1 Water Efficient Landscaping
2	0	NO	Credit 2 Innovative Wastewater Technologies
4	0	NO	Credit 3 Water Use Reduction
10	0	0	0
Yes	+	-	No
Notes			

ENERGY & ATMOSPHERE 35

23	5	0	7
Yes	+	-	No
Credit Details			
Y	NO	Prereq 1	Fundamental Commissioning - Building Energy Systems
Y	NO	Prereq 2	Minimum Energy Performance
Y	NO	Prereq 3	Fundamental Refrigerant Management
19	0	0	16
Yes	+	-	No
Notes			

0	0	7	NO
2	0	0	NO
2	0	0	NO
3	0	0	NO
2	0	0	NO
23	5	0	7
Yes	+	-	No
Notes			

MATERIALS & RESOURCES 14

7	0	0	7
Yes	+	-	No
Credit Details			
Y	YES	Prereq 1	Storage & Collection of Recyclables
0	3	NO	Credit 1.1 Building Reuse - Maintain Exist. Structural Elements
0	1	NO	Credit 1.2 Building Reuse - Maintain 50% of Exist. NonStructural Elements
2	0	NO	Credit 2 Construction Waste Management
0	2	NO	Credit 3 Material Reuse
2	0	NO	Credit 4 Recycled Content
2	0	NO	Credit 5 Regional Materials
0	1	NO	Credit 6 Rapidly Renewable Materials
1	0	NO	Credit 7 Certified Wood
7	0	0	7
Yes	+	-	No
Notes			

INDOOR ENVIRONMENTAL QUALITY 15

11	3	0	1
Yes	+	-	No
Credit Details			
Y	NO	Prereq 1	Minimum IAQ Performance
Y	NO	Prereq 2	Environmental Tobacco Smoke (ETS) Control
1	0	NO	Credit 1 Outdoor Air Delivery Monitoring
0	1	NO	Credit 2 Increase Ventilation
1	0	NO	Credit 3.1 Construction IAQ Management Plan, During Construction
1	0	NO	Credit 3.2 Construction IAQ Management Plan, Before Occupancy
1	0	NO	Credit 4.1 Low-Emitting Materials, Adhesives & Sealants
1	0	NO	Credit 4.2 Low-Emitting Materials, Paints & Coatings
1	0	NO	Credit 4.3 Low-Emitting Materials, Flooring Systems
1	0	NO	Credit 4.4 Low-Emitting Materials, Composite Wood & Agrifibers Products
1	0	NO	Credit 5 Indoor Chemical & Pollutant Source Control
1	0	NO	Credit 6.1 Controllability of Systems, Lighting
1	0	NO	Credit 6.2 Controllability of Systems, Thermal Comfort
1	0	NO	Credit 7.1 Thermal Comfort, Design
1	0	NO	Credit 7.2 Thermal Comfort, Verification

1	0	0	NO
1	0	0	NO
11	3	0	1
Yes	+	-	No
Notes			

INNOVATION & DESIGN / EXEMPLARY PERFORMANCE 6

4	0	0	2
Yes	+	-	No
Credit Details			
1	0	NO	Credit 1.1 Input Innovation or Exemplary Performance Credit
1	0	NO	Credit 1.2 Innovation or Exemplary Performance Credit
1	0	NO	Credit 1.3 Innovation or Exemplary Performance Credit
0	1	NO	Credit 1.4 Innovation or Exemplary Performance Credit
0	1	NO	Credit 1.5 Innovation or Exemplary Performance Credit
1	0	NO	Credit 2 LEED™ Accredited Professional
4	0	0	2
Yes	+	-	No
Notes			

REGIONAL PRIORITY CREDITS 4

4	0	0	0
Yes	+	-	No
Credit Details			
1	0	NO	Credit 1 Site Development, Protect or Restore Habitat
1	0	NO	Credit 2 Stormwater Design, Quantity Control
1	0	NO	Credit 3 Innovative Wastewater Technologies
1	0	NO	Credit 4 Optimize Energy Performance
4	0	0	0
Yes	+	-	No
Notes			

POTENTIAL INNOVATIONS

Minimize building exhaust system effluents - used at S&TF
Alternative transportation management plan
Process Water Savings -
Snow Melting system from waste heat from HPCDC
Optimize Energy Performance - Equipment and Appliances (LEED-CI)
LEED 21 Environmental Performance Criteria
Non-Chemical Water Treatment
Green Cleaning Program
Organic Landscape Management Program (LEED-EB)
Integrated Pest Management Program (LEED-EB)
Exemplary performance in Existing LEED Credit
Continuous Commissioning

LEED SCORE CARD



Address: DC Water Headquarters

Other / BZA Order:

Green Area Ratio Scoresheet

Ward	Lot	Square	Zoning District
6	801 / 805	744 SS	CR

enter sq ft of lot

120,954

multiplier

SCORE 0.202

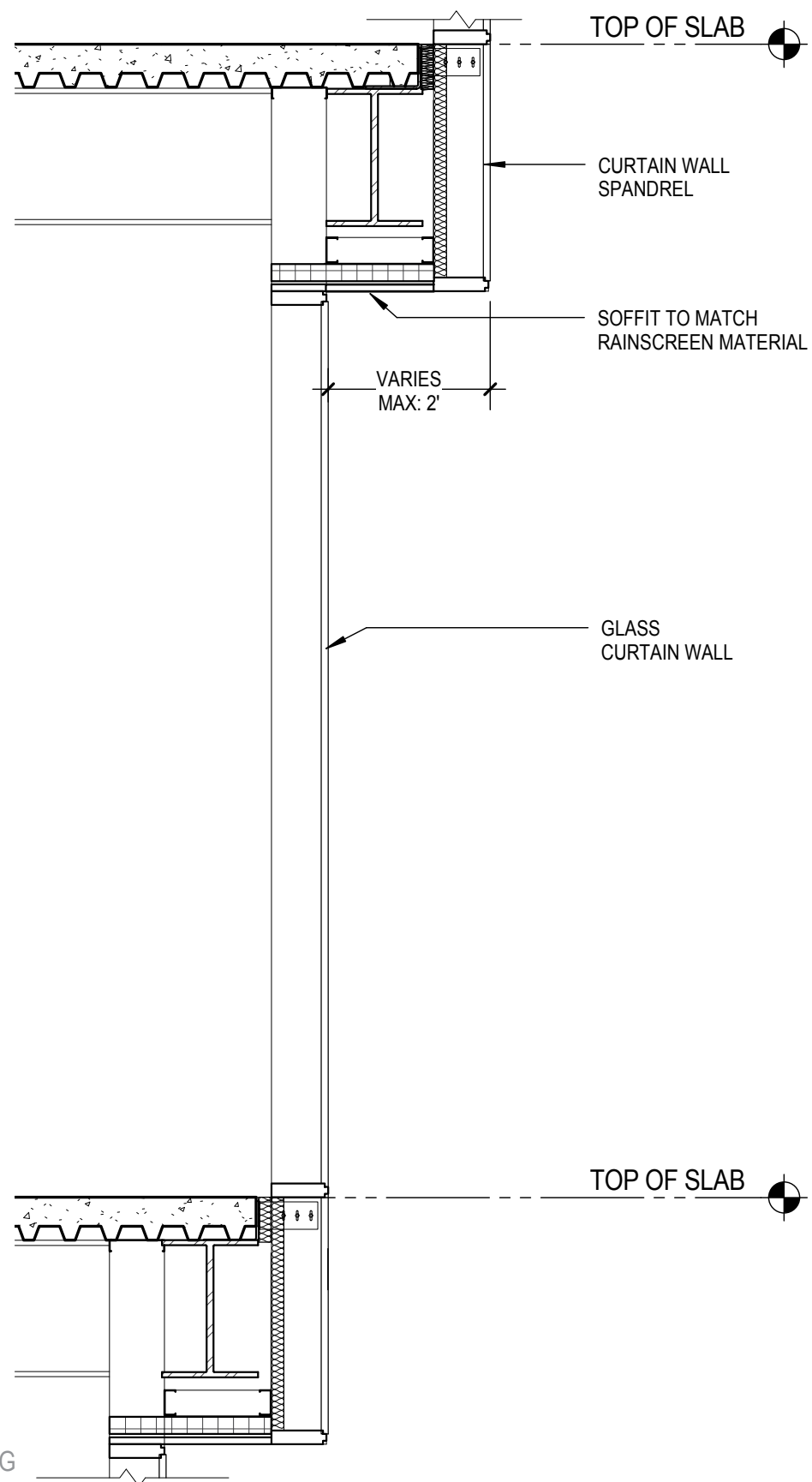
Lot size (enter this value first) *

	Landscape Elements	Square Feet	Factor	Total
A	Landscaped areas (select one of the following for each area)			
1	Landscaped areas with a soil depth of less than 24"	enter sq ft 23,000	0.3	6,900.0
2	Landscaped areas with a soil depth of 24" or greater	enter sq ft 7,000	0.6	4,200.0
3	Bioretention facilities	enter sq ft 0	0.4	-
B	Plantings (credit for plants in landscaped areas from Section A)			
1	Groundcovers, or other plants less than 2' tall at maturity	enter sq ft 1,500	0.2	300.0
2	Plants, not including grasses, 2' or taller at maturity - calculated at 9 sq ft per plant (typically planted no closer than 18" on center)	enter number of plants 2,500 22500	0.3	6,750.0
3	Tree canopy for all new trees 2.5" to 6" in diameter or equivalent - calculated at 50 sq ft per tree	enter number of trees 3 150	0.5	75.0
4	Tree canopy for new trees 6" diameter or larger or equivalent - calculated at 250 sq ft per tree	enter number of trees 1 250	0.6	150.0
5	Tree canopy for preservation of existing tree 6" to 12" in diameter or larger or equivalent - calculated at 250 sq ft per tree	enter number of trees 0 0	0.7	-
6	Tree canopy for preservation of existing tree 12" to 18" in diameter or larger or equivalent - calculated at 600 sq ft per tree	enter number of trees 0 0	0.7	-
7	Tree canopy for preservation of all existing trees 18" to 24" in diameter or equivalent - calculated at 1300 sq ft per tree	enter number of trees 0 0	0.7	-
8	Tree canopy for preservation of all existing trees 24" in diameter or larger or equivalent - calculated at 2000 sq ft per tree	enter number of trees 0 0	0.8	-
9	Vegetated wall, plantings on a vertical surface	enter sq ft 0	0.6	-

		enter sq ft		
C	Vegetated or "green" roofs			
1	Over at least 2" and less than 8" of growth medium	10,000	0.6	6,000.0
2	Over at least 8" of growth medium	0	0.8	-
D	Permeable Paving***			
1	Permeable paving over at least 6" and less than 24" of soil or gravel	0	0.4	-
2	Permeable paving over at least 24" of soil or gravel	0	0.5	-
E	Other			
1	Enhanced tree growth systems***	0	0.4	-
2	Renewable energy generation	0	0.5	-
3	Approved water features	0	0.2	-
		sub-total of sq ft =	64,400	
H	Bonuses			
1	Native plant species	0	0.1	-
2	Landscaping in food cultivation	0	0.1	-
3	Harvested stormwater irrigation	0	0.1	-
		Green Area Ratio numerator =	24,375	

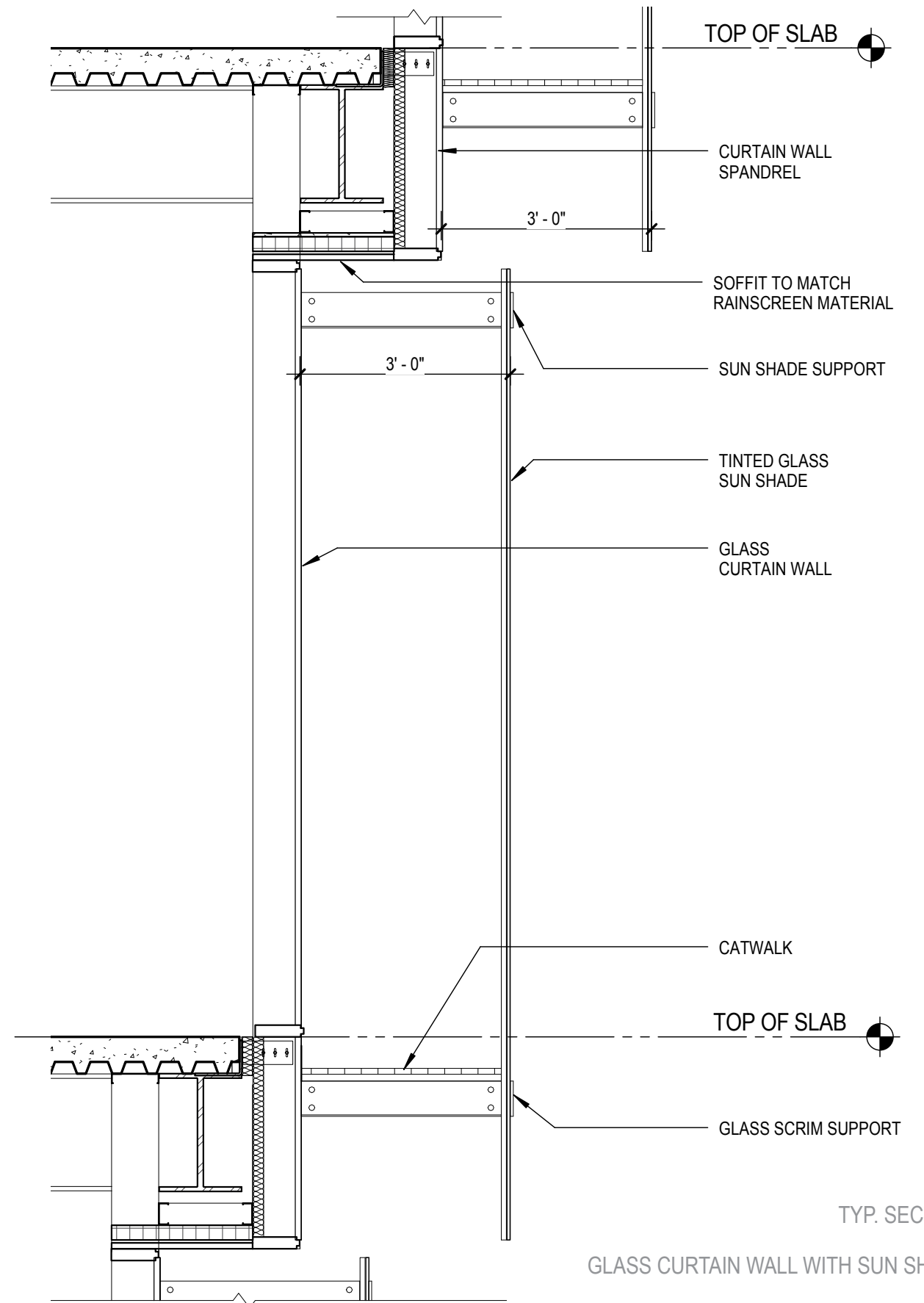
*** Permeable paving and structural soil together may not qualify for more than one third of the Green Area Ratio score.

Total square footage of all permeable paving and enhanced tree growth



TYP. SECTION

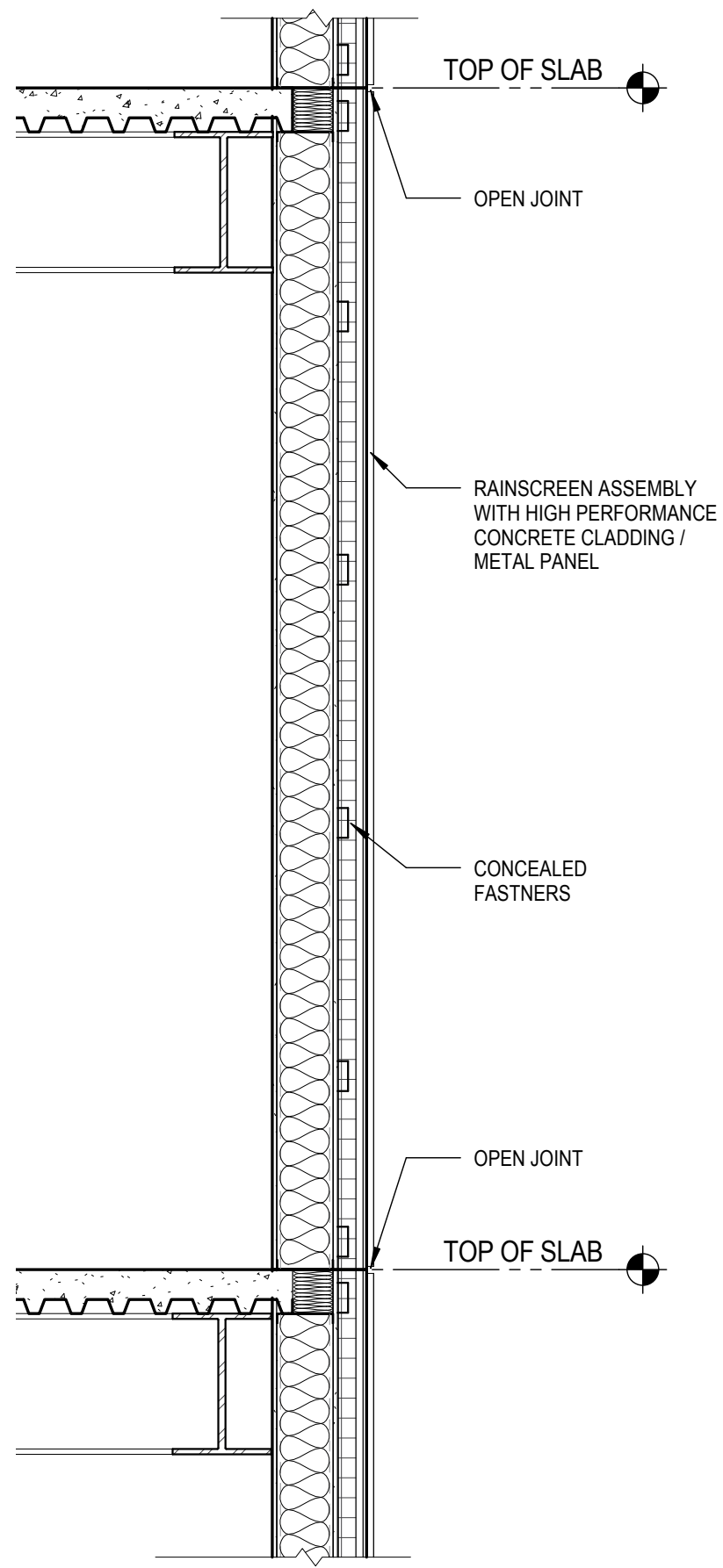
GLASS CURTAIN WALL AT OVERHANG



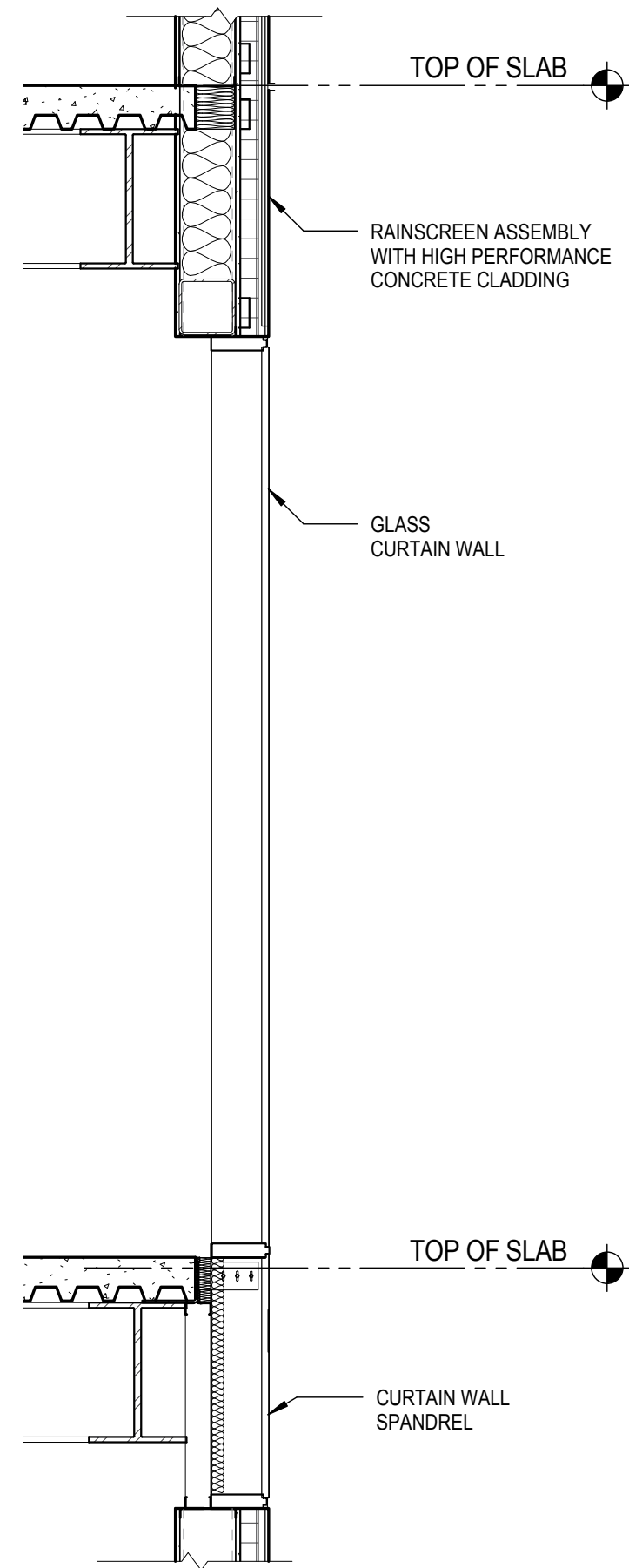
TYP. SECTION

GLASS CURTAIN WALL WITH SUN SHADE

WALL SECTIONS

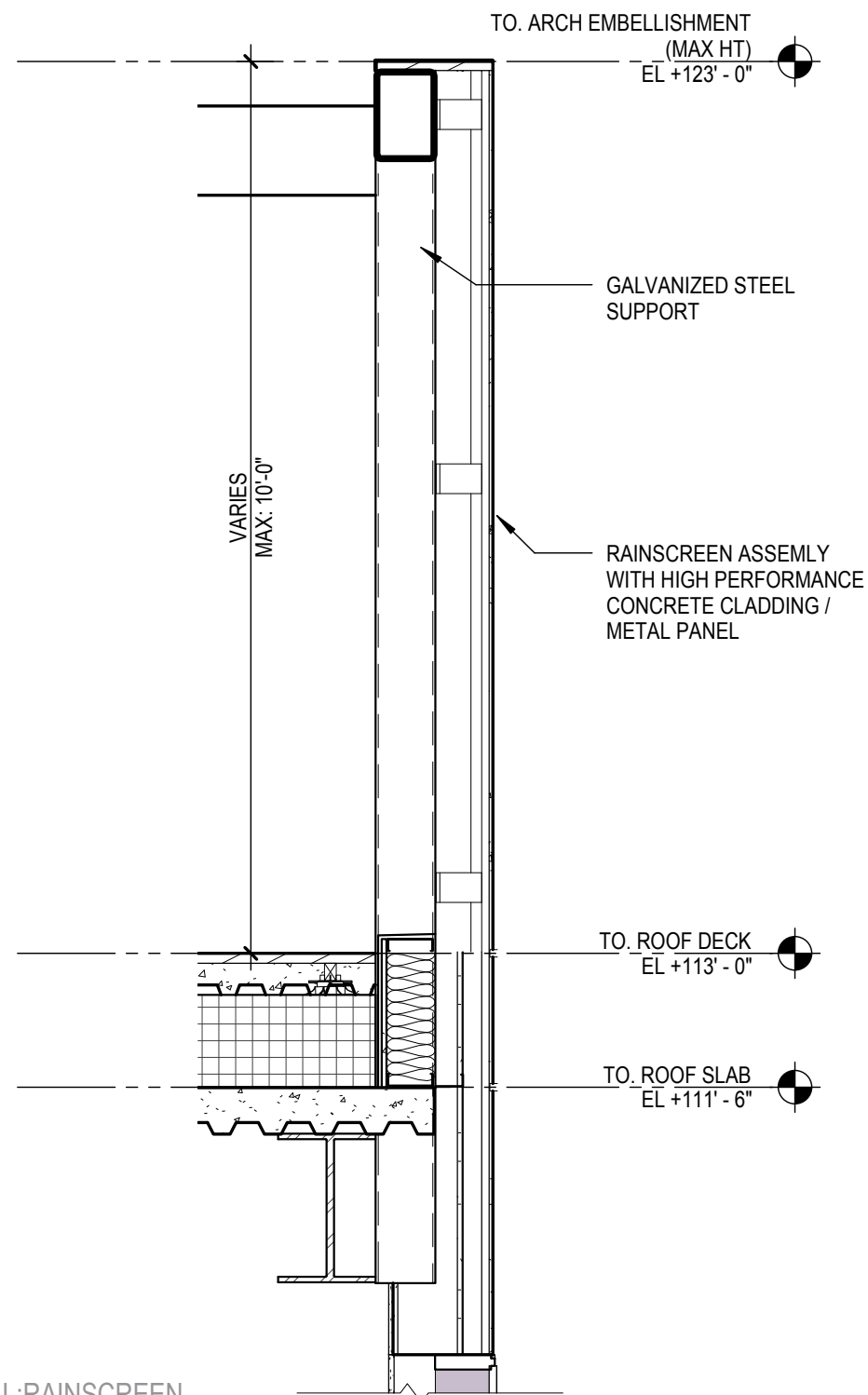


TYP. SECTION
RAINSCREEN ASSEMBLY

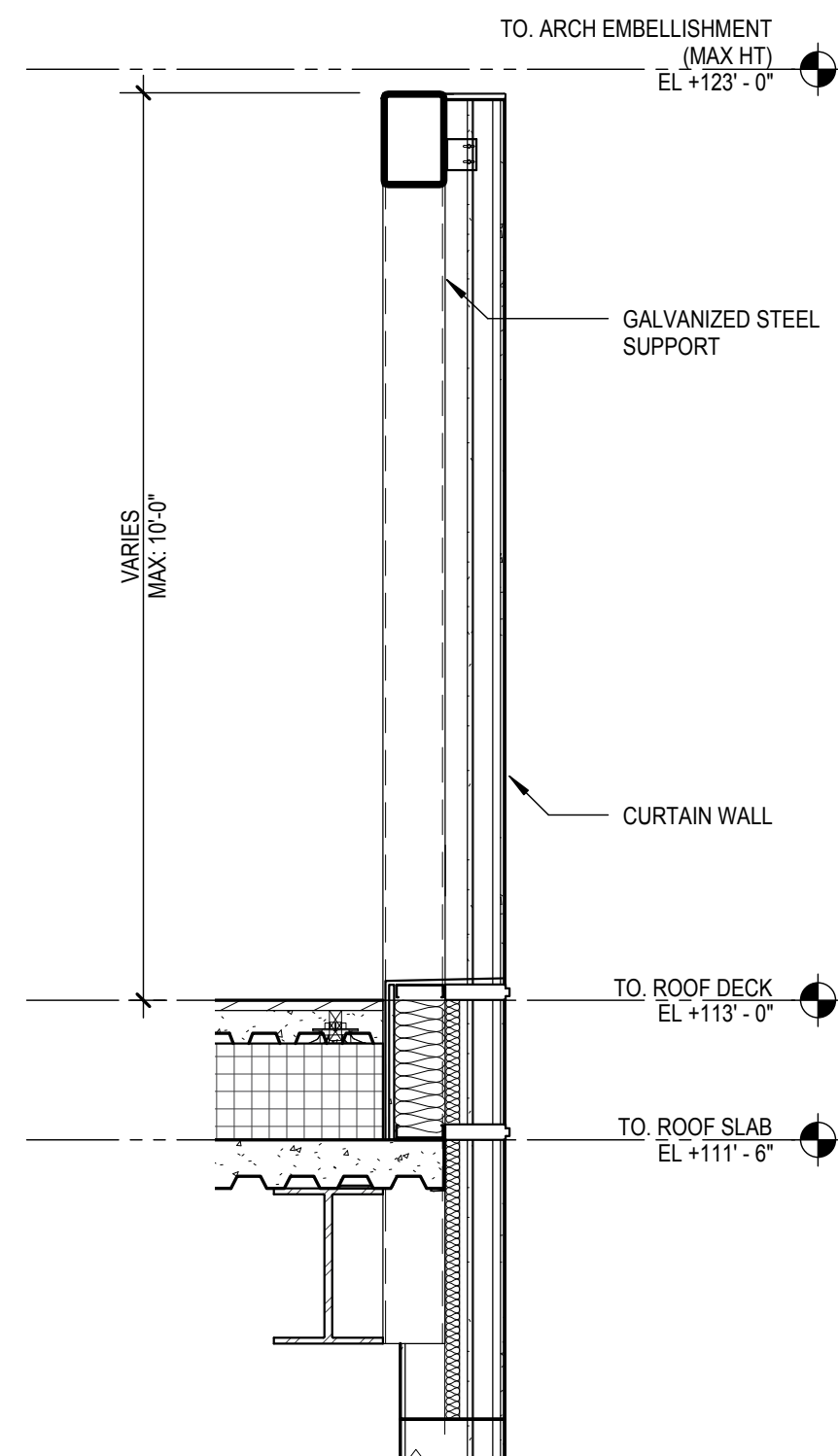


TYP. SECTION
PUNCHED WINDOW AT NORTH

WALL SECTIONS



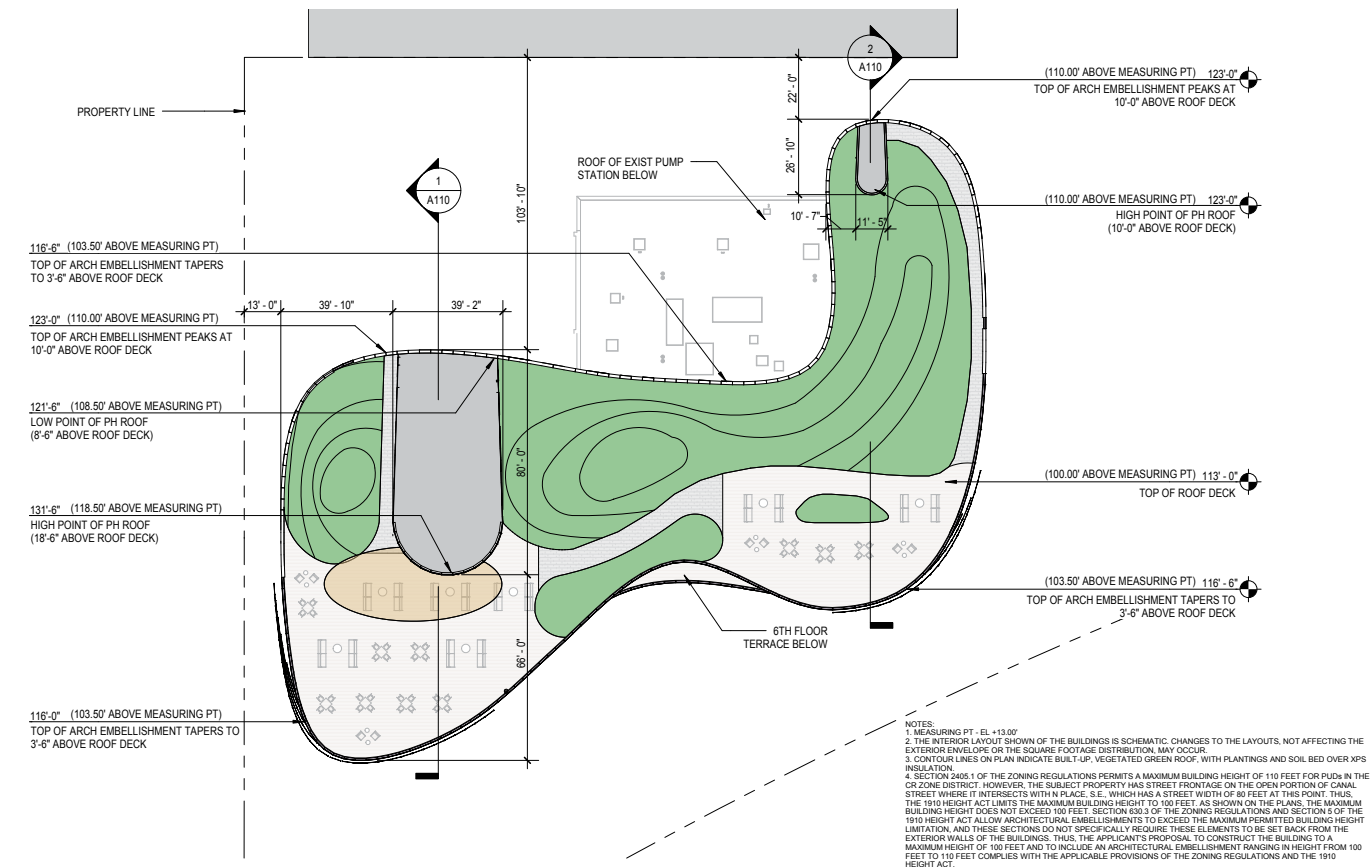
ROOF SCREEN WALL:RAINSCREEN
ASSEMBLY



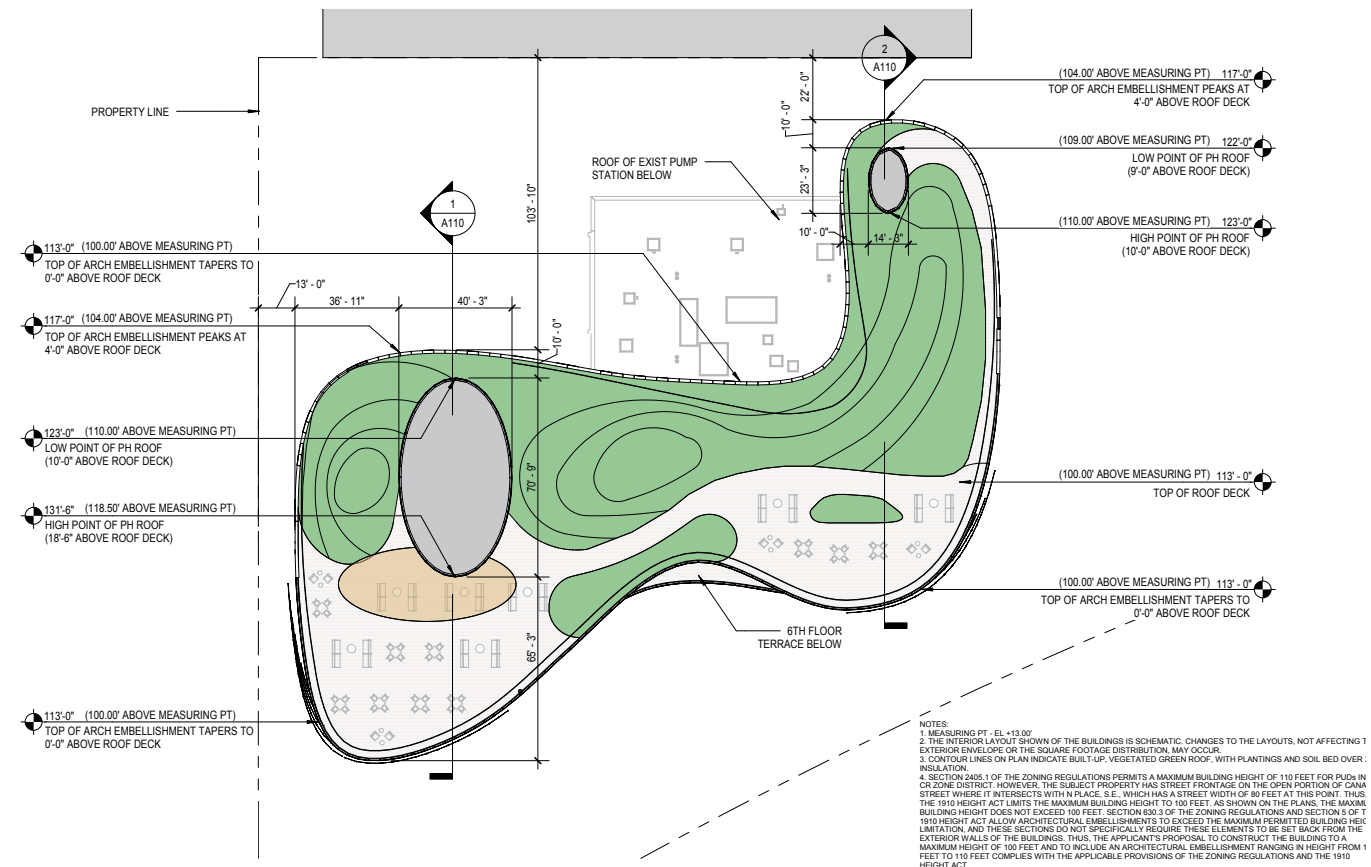
ROOF SCREEN WALL::
CURTAIN WALL

WALL SECTIONS

ARCHITECTURAL EMBELLISHMENT DESIGN OPTIONS A & B



ROOF PLAN:PROPOSED DESIGN A



ROOF PLAN:ALTERNATIVE DESIGN B

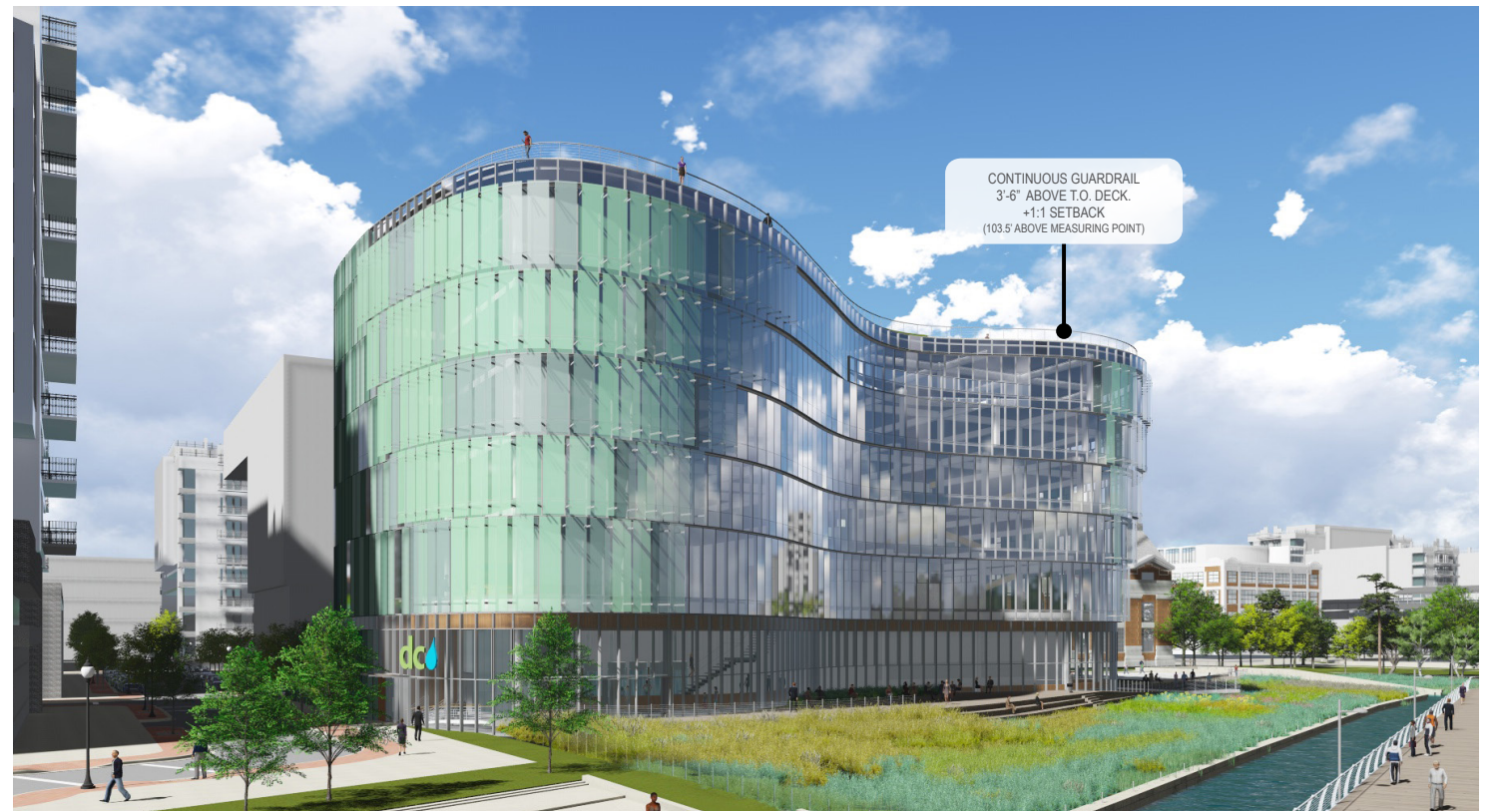
SCALE:1'-0" = 1/32"



ARCHITECTURAL EMBELLISHMENT STUDY



SW PERSPECTIVE:PROPOSED DESIGN A



SW PERSPECTIVE:ALTERNATIVE DESIGN B



SW PERSPECTIVE:PROPOSED DESIGN A



SW PERSPECTIVE:ALTERNATIVE DESIGN B

RENDERINGS: ARCHITECTURAL EMBELLISHMENT STUDY