

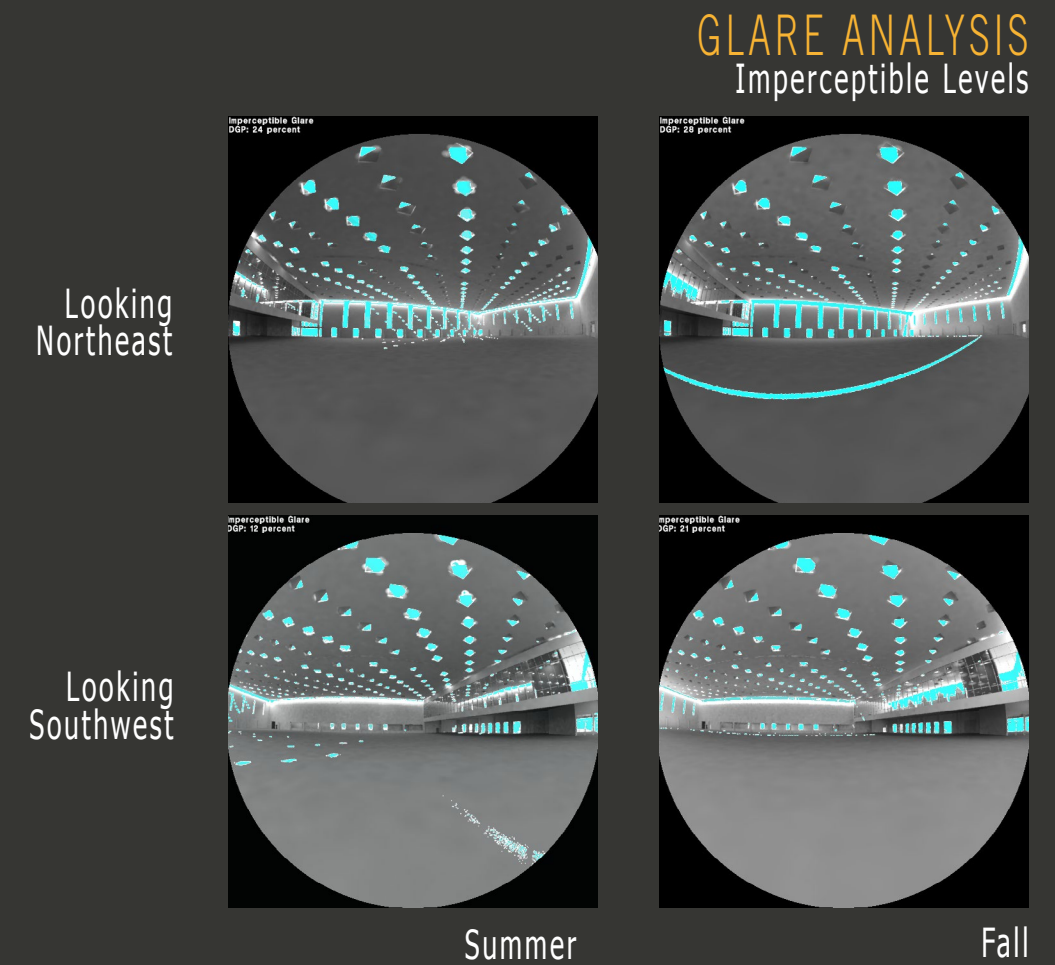


PHILLIPS EXETER FIELD HOUSE

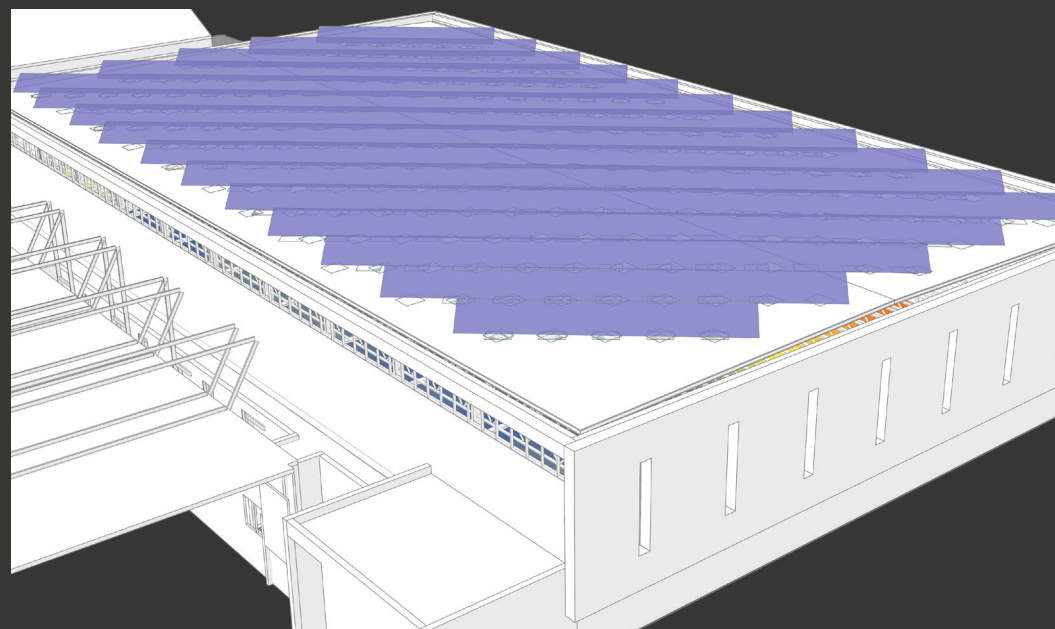
DAYLIGHTING STUDIES

06: BUBBLE SKYLIGHTS + PV SHADING + PERIMETER SLOT

Gym_Monitors2.3dm



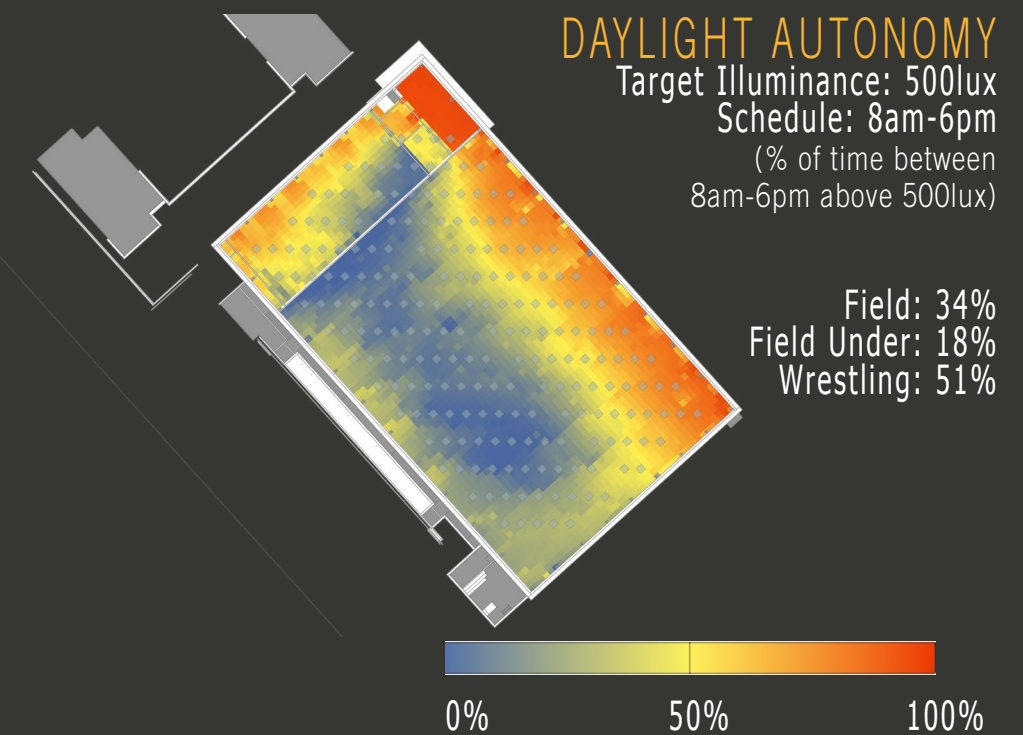
NORTH WEST WALL
+ Punched Clear Windows



SOUTH WEST WALL
+ Kalwall Clerestory (7 ft)
20% VLT

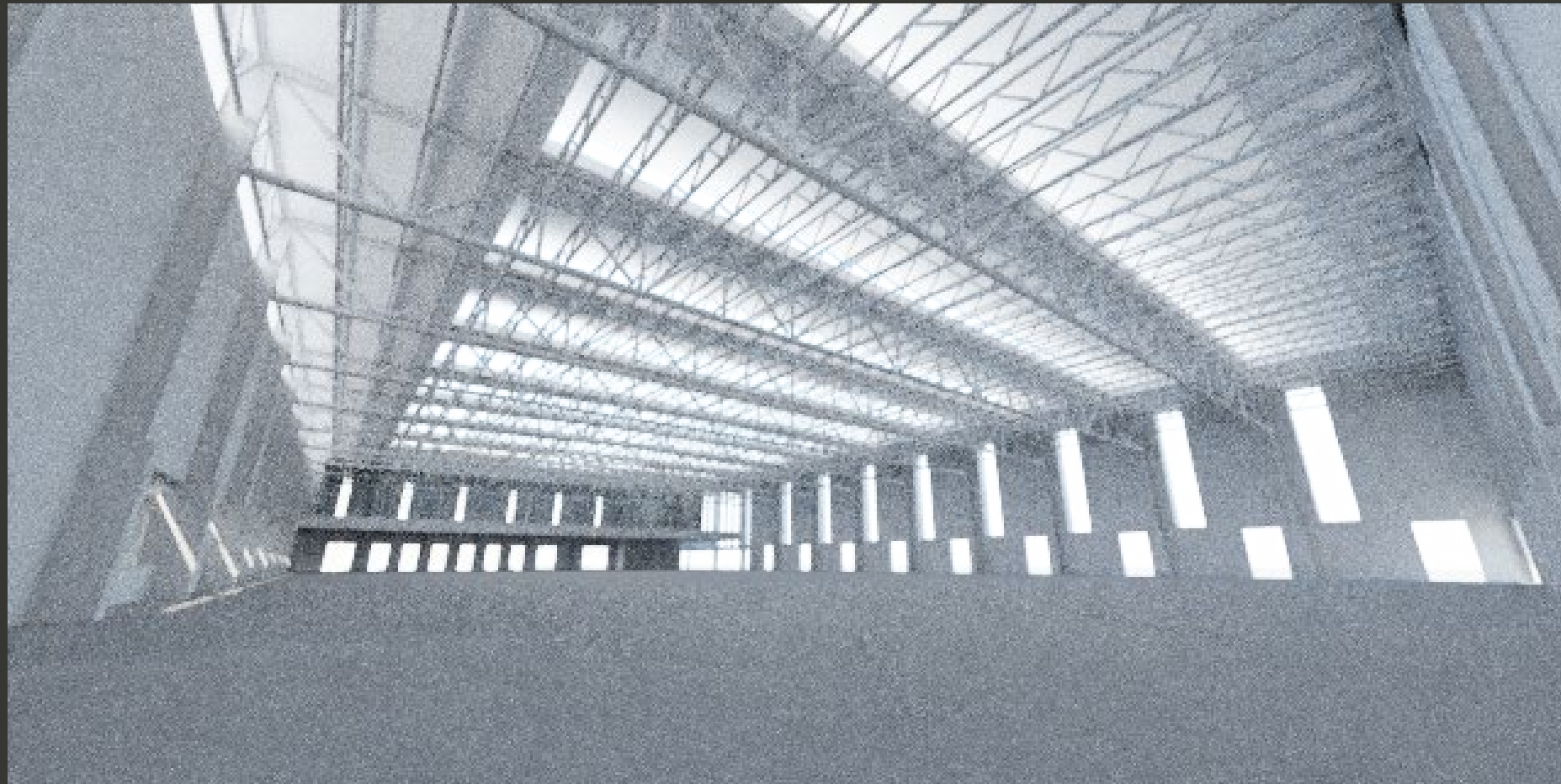
ROOF
+ Perimeter Wall Slot, 4 ft in width, of Prefabricated Bubble Skylights

SOUTH EAST WALL
+ Punched Translucent Windows

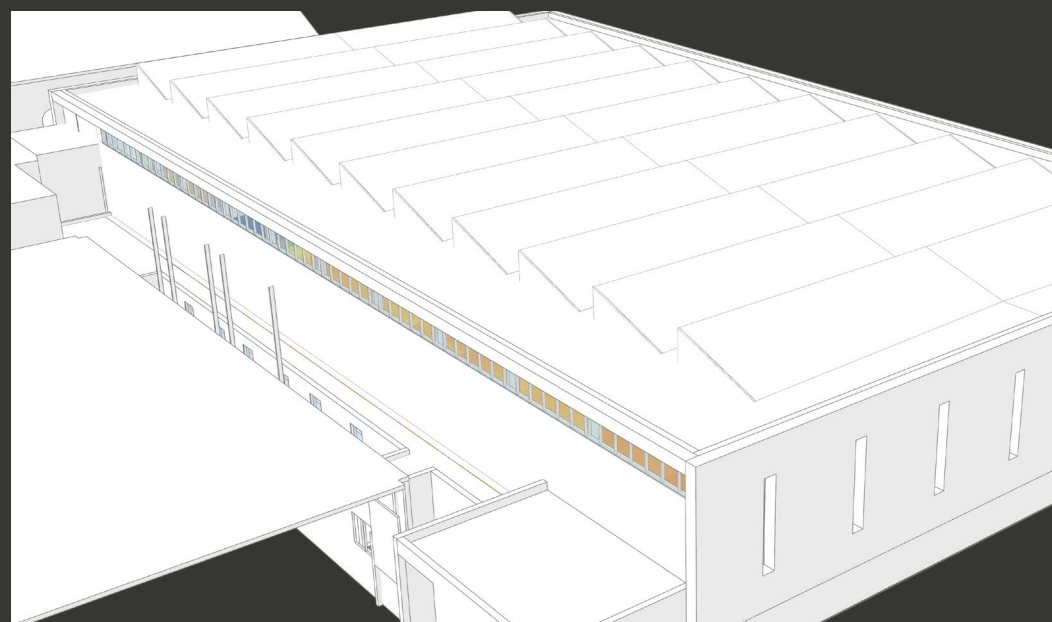


07: LARGE MONITORS + CLERESTORY

Gym_Monitors2.3dm



NORTH WEST WALL
+ Punched Clear Windows
+ Grazing Wall Slot



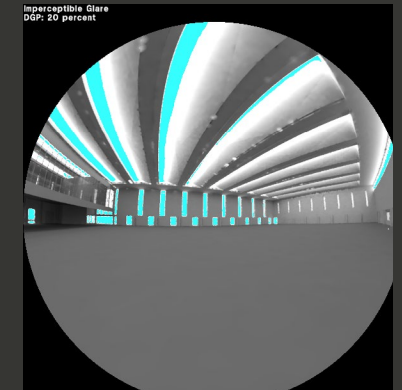
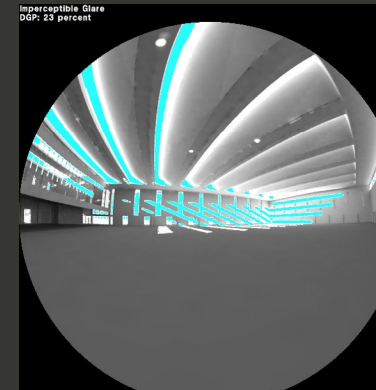
SOUTH WEST WALL
+ Kalwall Clerestory (7 ft)
20% VLT

ROOF
+ Large Monitors, 24 ft in width

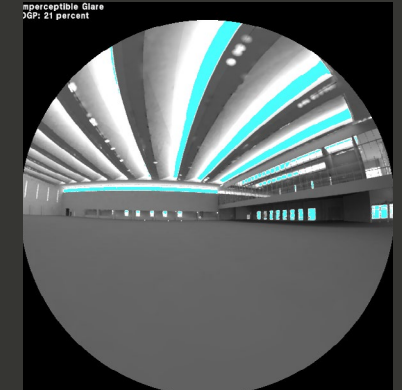
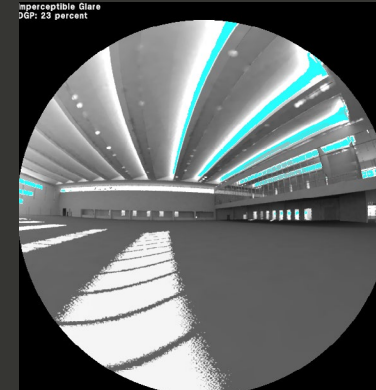
SOUTH EAST WALL
+ Punched Translucent Windows

GLARE ANALYSIS Imperceptible Levels

Looking
Northeast



Looking
Southwest

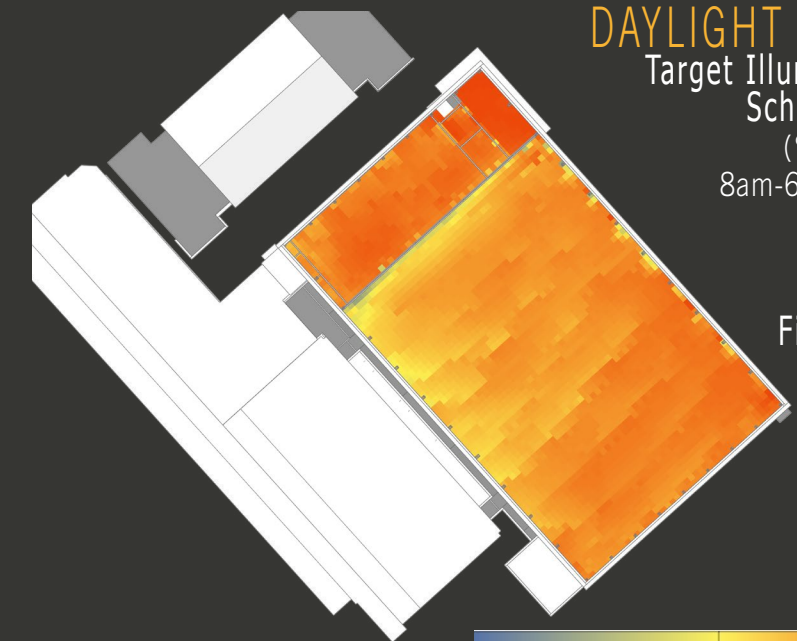


Summer

Fall

DAYLIGHT AUTONOMY

Target Illuminance: 500lux
Schedule: 8am-6pm
(% of time between
8am-6pm above 500lux)

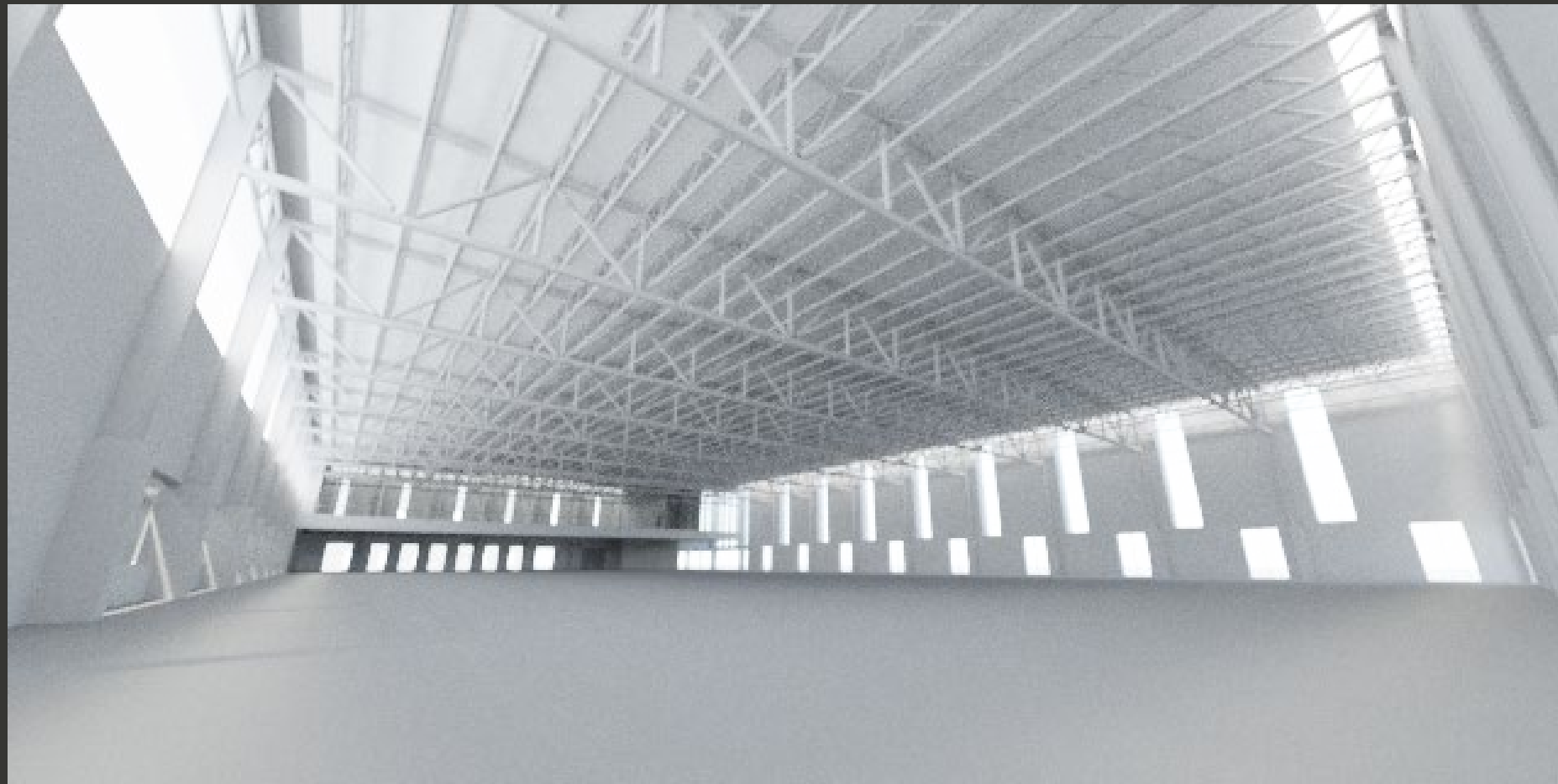


Field: 72%
Field Under: 21%
Wrestling: 82%

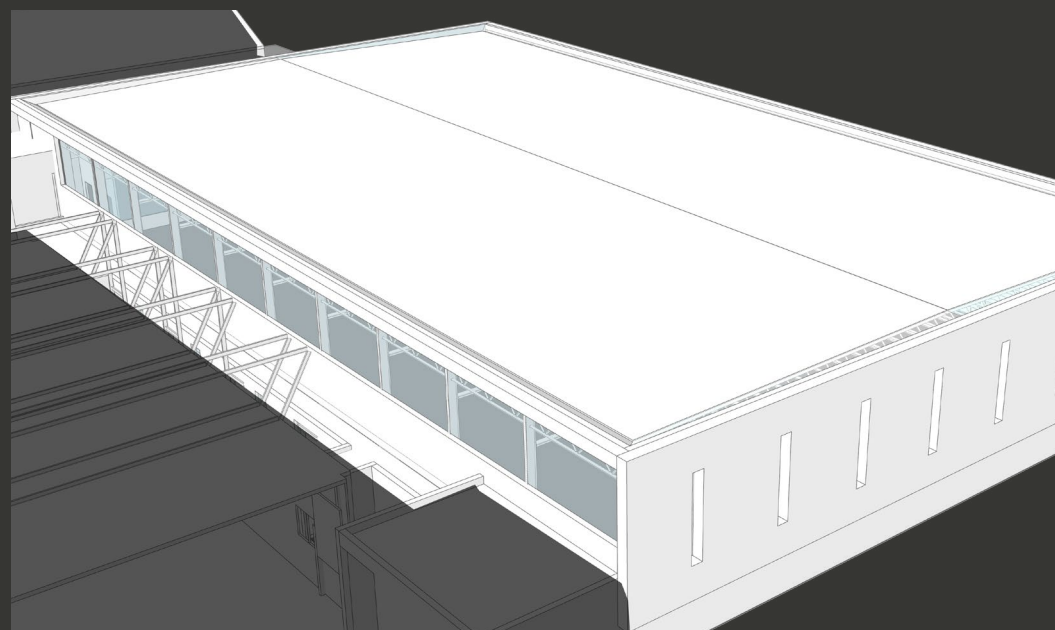
0% 50% 100%

08: LARGE KALWALL + PERIMETER SLOT

Gym_Monitors2.3dm



NORTH WEST WALL
+ Punched Clear Windows



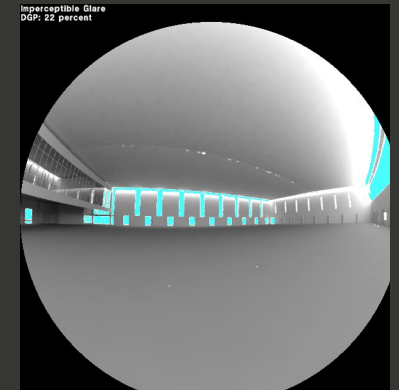
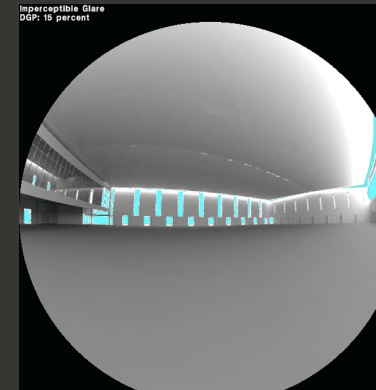
SOUTH WEST WALL
+ Kalwall Clerestory (20 ft)
20% VLT OR 8% VLT

ROOF
+ Perimeter Wall Slot, 4 ft in width, of Prefabricated Bubble Skylights

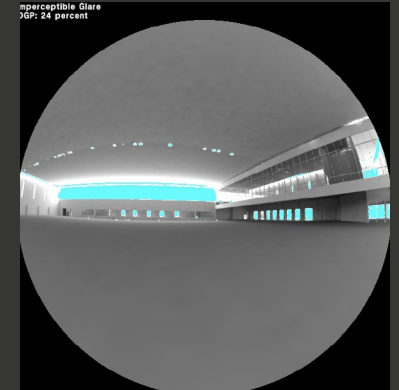
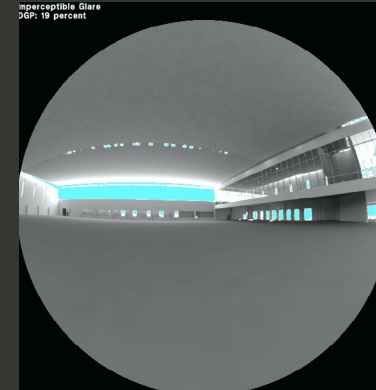
SOUTH EAST WALL
+ Punched Translucent Windows

GLARE ANALYSIS Imperceptible Levels

Looking
Northeast



Looking
Southwest



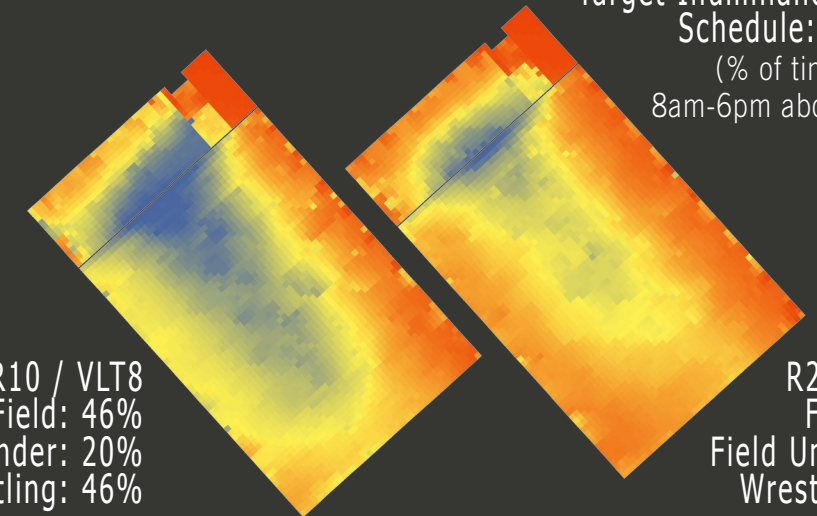
Summer

Fall

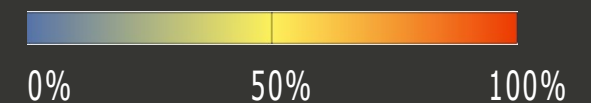
DAYLIGHT AUTONOMY

Target Illuminance: 500lux
Schedule: 8am-6pm
(% of time between 8am-6pm above 500lux)

R10 / VLT8
Field: 46%
Field Under: 20%
Wrestling: 46%

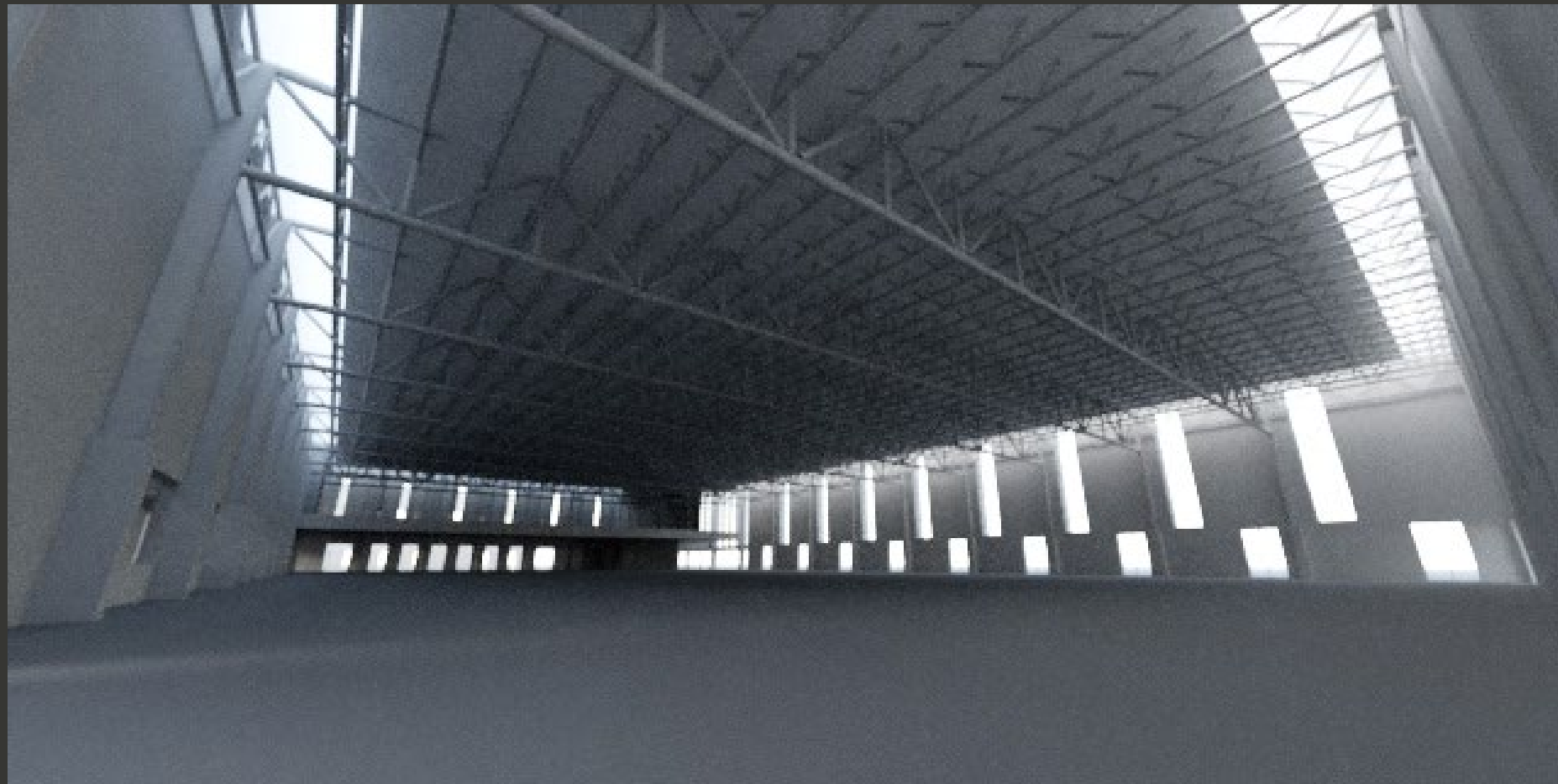


R20 / VLT20
Field: 61%
Field Under: 20%
Wrestling: 60%

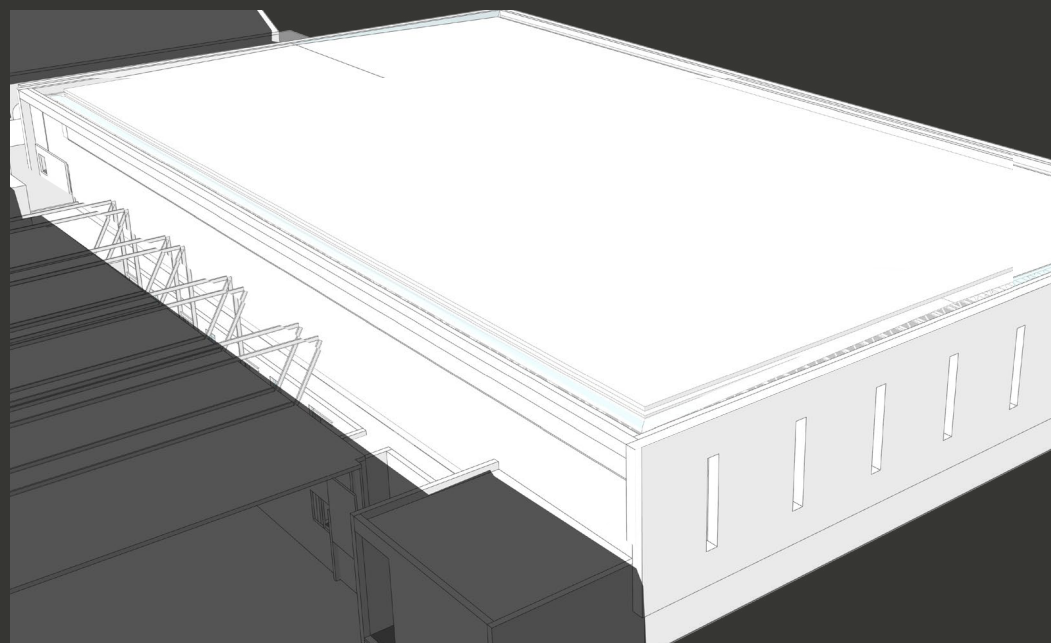


09: LARGE PERIMETER SLOT ONLY

Gym_Monitors2.3dm



NORTH WEST WALL
+ Punched Clear Windows

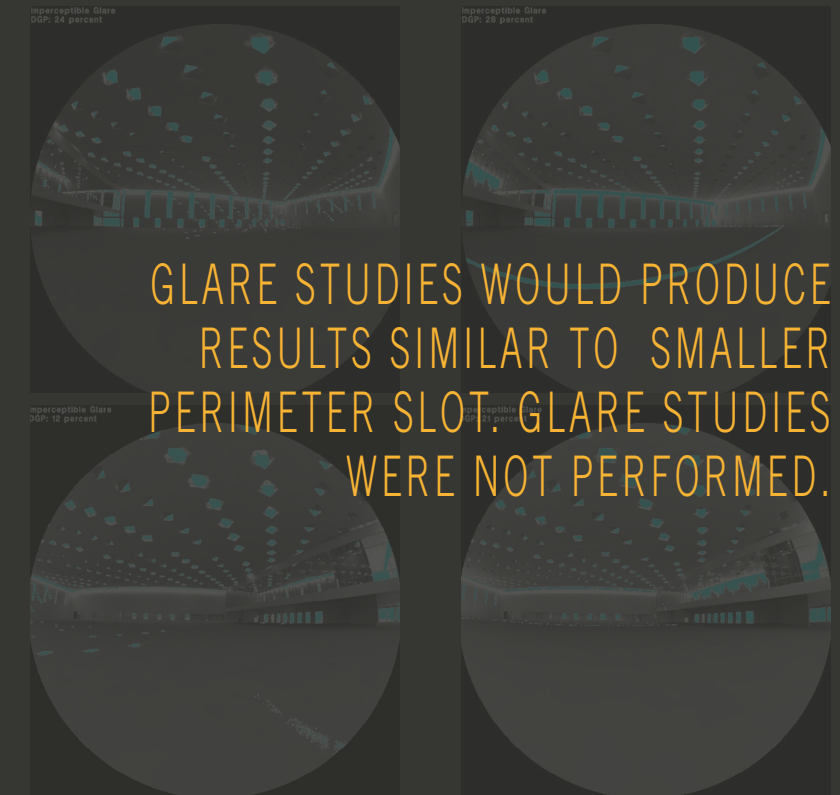


SOUTH WEST WALL
+ No Transmissive Surfaces

ROOF
+ Perimeter Wall Slot, 9 ft in width, of Prefabricated Bubble Skylights

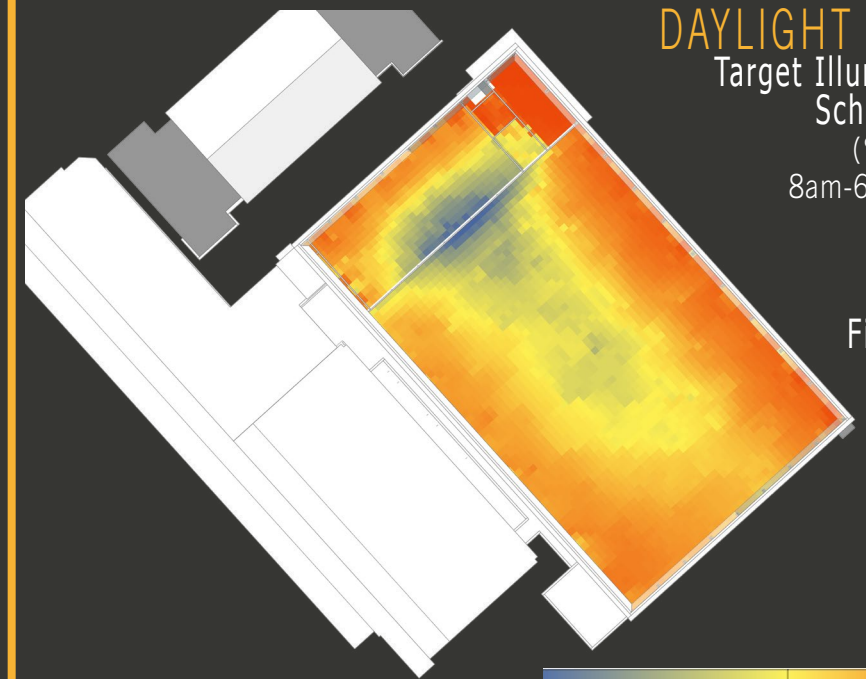
SOUTH EAST WALL
+ Punched Translucent Windows

GLARE ANALYSIS Imperceptible Levels



DAYLIGHT AUTONOMY

Target Illuminance: 500lux
Schedule: 8am-6pm
(% of time between 8am-6pm above 500lux)



Field: 83%
Field Under: 40%
Wrestling: 87%

0% 50% 100%