

MILWAUKEE BUCKS ARENA DEVELOPMENT

1ST AMENDMENT TO BLOCK 8 - DETAILED PLANNED DEVELOPMENT (DPD)

Exhibit A

File No. 160468

(Reference previous approval under file #151656)

August 26, 2016

DPD INDEX

- TAB ABlock 8 Owner Statement of Intent
- TAB BBlock 8 DPD Design Principles
- TAB CBlock 8 DPD Design Standards and Site Statistics
- TAB DBlock 8 Site Photographs and Lighting Cut Sheets

PURPOSE

In January 2016, the General Planned Development (GPD) zoning established a master plan for the arena district (File No. 150724). Subsequently, Block 8 of the Arena Master Plan, located on the west side of North 6th Street, north of Juneau Avenue, was rezoned to a Detailed Planned Development (DPD) known as Block 8 – Arena Master Plan (File No. 151656) to permit construction of a training facility for the Milwaukee Bucks on the southeast portion of the site. Now, Head of the Herd, LLC is requesting a 1st Amendment to the DPD zoning (File No. 160468) to approve the site plan and building elevations for Phase 2 development on the northeast corner of the site.

This statement, together with the accompanying drawings and related materials, constitutes and supports the Detailed Planned Development.

ENUMERATION OF DOCUMENTS

See the following documents and drawings for additional detailed information:

- TAB ABlock 8 Owner Statement of Intent
- TAB BBlock 8 DPD Design Principles
- TAB CBlock 8 DPD Design Standards and Site Statistics
- TAB DBlock 8 Site Photographs and Lighting Cut Sheets

DRAWING INDEX

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PROJECT DESCRIPTION

The development outlined in this plan is based on the vision of the ownership of the Milwaukee Bucks to provide an economic catalyst for growth and revitalization in downtown Milwaukee surrounding a new arena for the Milwaukee Bucks. The plan is a result of an unprecedented partnership between the Milwaukee Bucks, the City of Milwaukee, Milwaukee County and the State of Wisconsin. There is a central focus by all the partners to see the project attract a vibrant community to live, work and play in the area, attract significant tourism to the region and spur future development in every direction.

Block 8 is bound by West McKinley Avenue to the north, North 6th Street to the east and West Juneau Avenue to the south. The majority of the existing site is currently covered by turf. In preparation for construction of the proposed building, the site will be cleared of all existing built features and a construction fence will be installed at the perimeter of the site.

Block 8 of the arena master plan will be developed in 3 phases. The first phase was previously approved, and includes a practice/training facility on the southeast portion of the site for the Milwaukee Bucks. The second phase, which will be situated on the northeast portion of the site, immediately north of the practice/training facility, is the subject of this DPD amendment. The undeveloped land on the west side of the site will be seeded and open until future development occurs. The development will be located in an area known as the McKinley Avenue District in the Park East Redevelopment Plan. The McKinley Avenue District is located on the west side of the Milwaukee River and includes the section of the Park East Freeway corridor between McKinley Avenue to the north, Juneau Avenue to the south, the Milwaukee River to the east and Sixth Street to the west. Much of the land in this district is currently either vacant or used for surface parking. Through the planned redevelopment, McKinley Avenue will become a new gateway to downtown, providing access for both regional and local traffic. Although McKinley Avenue will become the largest east west thoroughfare, Juneau Avenue will continue to be a major arterial street because of its continuity to the lakefront. Sixth Street will also provide an important north to south link from Bronzeville through to the Menomonee River Valley.

The Medical College of Wisconsin and Froedtert have teamed together to provide a neighborhood clinic and sports science research center. They will work closely with the Milwaukee Bucks on providing care for the NBA athletes and to collaborate on sports research. The clinic portion will serve the community with numerous service lines to be developed by Froedtert and the Medical College of Wisconsin.

The project entails construction of a 3-story, 41,410 gross sq ft building that will be constructed out of steel and concrete framing and clad in a combination of abundant glazing, brick, and metal panel. Due to grade changes, the building will be 2 stories at the west end. There will be a ground floor entrance to the building off of 6th Street, and an entrance off the surface parking lot on the west façade of the building. Visitors, patients, and some staff will utilize the surface parking lot, which will be shared with the Milwaukee Bucks training facility while the majority of the staff will park in the parking structure across the street. Deliveries and refuse pick-up for the building will also be made from the surface parking area. Bicycle parking will be located at both the ground floor entrance and surface parking lot entrance, and 9 total spaces will be provided at a minimum. The training center and the medical office building will be connected at the second floor only and will only be used by the Bucks to move back and

forth to the medical office building. The proposed building will be designed to comply with the GPD Design Standards that have been established for this block.

PHYSICAL DESCRIPTION OF PROPERTY



This Detailed Planned Development for Block 8 will encompass land bound by West McKinley Avenue on the North, North 6th Street on the East and West Juneau Avenue on the South.

See the following drawings for additional detail:

C Alta Survey

Block 8 – DPD Design Principles

DESIGN PRINCIPLES

These Design Principles have been established to demonstrate compliance with the General Planned Development (GPD) Design Principles that have been established for this block.

These Principles will be utilized in the development Block 8 of the Milwaukee Bucks Arena development Detailed Planned Development (DPD). If there are any contradictions between these Principles and the DPD design standards, the DPD design standards will supersede these principles.

1. LAND USES

The following uses will be allowed for Block 8 as indicated in the Block 8 use table below. All uses currently operating within the DPD boundary may continue to operate under the DPD zoning. Any new uses not defined in the table shall follow Downtown – Mixed Activity (C9G) standards.

Use	Training Facility Block 8
Residential Uses	
Single-family Dwelling	N
Two-family Dwelling	N
Multi-family Dwelling	Y
Permanent Supportive Housing	Y
Transitional Housing	Y
Street Level Residential Use	Y
Attached Single-Family Dwelling	Ν
Live-work Unit	Y
Mobile Home	Ν
Watchman/Service Quarters	Ν
Family Day Care Home	Y (Note 1)
Group Residential Uses	
Rooming House	N
Convent, Rectory, or Monastery	Ν
Dormitory	Y
Fraternity or Sorority	N
Adult Family Home	N
Foster Family Home	Y
Small Foster Home	Y
Group Home or Group Foster Home	Ν
Family Shelter Care Facility	Ν
Small Group Shelter Care Facility	Ν
Large Group Shelter Care Facility	Ν
Community Living Arrangement	Ν
Educational Uses	
Day Care Center	Y (note 1)
School, Elementary or Secondary	Ν
College	Υ
School, Specialty or Personal Instruction	Y

Use	Training Facility Block 8
Community-Serving Uses	
Library	Y
Cultural Institution	Y
Community Center	Y
Religious Assembly	Ν
Cemetery or Other Place of Interment	N
Public Safety Facility	Y
Correctional Facility	N
Commercial and Office Uses	
General Office	Y
Government Office	Y
Bank or Other Financial Institution	Y
Currency Exchange, Payday Loan Agency, or Title Loan Agency	Ν
Installment Loan Agency	N
Cash for Gold Business	N
Pawn Shop	N
Retail Establishment, General	Y
Garden Supply or Landscaping Center	N
Home Improvement Center	Y
Secondhand Store	N
Outdoor Merchandise Sales	Y
Artist Studio	Y
Healthcare & Social Assistance Uses	
Medical Office	Y
Health Clinic	Y
Hospital	Ν
Medical Research Laboratory	Y

Use	Training Facility Block 8
Medical Service Facility	Ν
Social Service Facility	Ν
Emergency Residential Shelter	Ν
Nursing Home	Y
General Service Uses	
Personal Service	Y
Business Service	Y
Building Maintenance Service	Y
Catering Service	Y
Funeral Home	Ν
Laundromat	Y
Dry Cleaning Establishment	Y
Furniture and Appliance Rental and Leasing	Ν
Household Maintenance and Repair Service	N
Tool/Equipment Rental Facility	Ν
Animal Service Uses	
Animal Hospital/Clinic	Ν
Animal Boarding Facility	Ν
Animal Grooming or Training Facility	Ν
Motor Vehicle Uses Light Motor Vehicle	
Sales Facility	Ν
Rental Facility	Y
Repair Facility	Ν
Body Shop	Ν
Outdoor Storage	Ν
Wholesale Facility	Ν
Motor Vehicle Uses General Motor Vehicle	
Filling Station	Ν

Use	Training Facility Block 8
Car Wash	Ν
Drive-through Facility	N
Motor Vehicle Uses Parking	
Parking Lot, Principal Use	N
Parking Lot, Accessory Use	Y
Parking Structure, Principal Use	N
Parking Structure, Accessory Use	Y
Heavy Motor Vehicle Parking Lot, Principal Use	N
Heavy Motor Vehicle Parking Lot, Accessory Use	Ν
Temporary Parking Lot	N
Accomodation and Food Service Uses	
Bed and Breakfast	N
Hotel, Commercial	Y
Hotel, Residential	N
Tavern	Y
Brewpub	Y
Assembly Hall	Ν
Restaurant, Sit-down	Υ
Restaurant, Fast-food / Carry- out	Y
Entertainment & Recreation Uses	
Park or Playground	Y
Festival Grounds	Ν
Recreation Facility, Indoor	Y
Recreation Facility, Outdoor	Y
Health Club	Y
Sports Facility	Y
Gaming Facility	Ν
Theater	Ν

Use	Training Facility Block 8
Convention and Exposition Center	Y
Marina	Ν
Outdoor Racing Facility	Ν
Storage, Recycling and Wholesale Trade Uses	
Recycling Collection Facility	Ν
Mixed-waste Processing Facility	Ν
Material Reclamation Facility	Ν
Salvage Operation, Indoor	N
Salvage Operation, Outdoor	N
Wholesale and Distribution Facility, Indoor	Ν
Wholesale and Distribution Facility, Outdoor	Ν
Storage Facility Uses	
Indoor Storage Facility	Ν
Outdoor Storage Facility	N
Hazardous Materials	Ν
Transportation Uses	
Ambulance Service	Ν
Ground Transportation Service	Ν
Passenger Terminal	Ν
Helicopter Landing Facility	Ν
Airport	Ν
Ship Terminal or Docking Facility	Ν
Truck Freight Terminal	N
Railroad Switching, Classification Yard, or Freight Terminal	Ν
Industrial Uses	
Alcoholic beverage faciliy, micro	Y

Use	Training Facility Block 8
Alcoholic beverage faciliy, large	N
Food processing	N
Manufacturing, Light	N
Manufacturing, Heavy	N
Manufacturing, Intense	N
Research and Development	Y
Processing or Recycling of Mined Materials	N
Contractor's Shop	N
Contractor's Yard	N
Agricultural Uses	
Plant Nursery or Greenhouse	N
Raising of Crops or Livestock	N
Community Garden	Y
Commercial Farming Enterprise	N
Utility and Public Service Uses	
Broadcasting or Recording Studio	Y
Transmission Tower	N
Water Treatment Plant	N
Sewage Treatment Plant	N
Power Generation Plant	N
Small Wind Energy System	N
Solar Farm	N
Substation/Distribution Equipment, Indoor	N
Substation/Distribution Equipment, Outdoor	N
Temporary Uses	
Seasonal Market	Y
Temporary Real Estate Sales Office	Y
Concrete Batch Plant, Temporary	Y

Use	Training Facility Block 8	
Live Entertainment Special	Y	
Note 1:		
The daycare use shall be designed and operated per Wisconsin Administrative Code, Chapter DCF 251. This is the rule that governs Group Child Care and Supervision of 9 or more children for less than 24 hours a day. Note 2:		
The arena may function as a Community Center between games and in the off season. Uses related to community services and functions may be provided. General Notes:		
General Notes: Accessory Uses Definition - All other uses that are accessory to the permitted principal uses. All accessory uses are acceptable and permitted. All uses that are currently operating within the extents of this General Planned Development (GPD) may continue to operate. Temporary Parking Lot Definition - The lot shall be accessory to this GPD and within the GPD boundaries, provided that the parking lot shall only serve the development within the GPD. A plan for the interim landscaping of open lots and duration of this use shall be submitted to the Commissioners of Neighborhood Services, Public Works and Department of City Development for approval prior to issuance of any permits. See the Development Agreement for the duration		

2. BUILDING HEIGHT

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The office building will have 3 stories and be a maximum of 45'-0'' above grade along 6^{th} Street and McKinley Avenue with an additional +/- 10'-0'' of height from a mechanical screenwall that is set back from the building edge approximately 27'-0''. Due to grade changes, the building is 2 stories on the west elevation. The building heights fall within the range of the GPD requirements.

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See the following drawings for additional detail:

H3 Exterior Elevations

3. SETBACKS

The building facades fall within the setback ranges established in the GPD. North (McKinley) setback: ranges from 4' to 6'; East (6th Street) setback: 8'-0"; South setback (to project limits as noted on the Site Plan, Sheet D2)): 2"; and West setback (to project limits): 9'-0" typical and 14'-6" at entrance. See Sheet D2 for additional detail regarding setbacks. The maximum amount of land covered by the principal buildings is less than the 49% that is allowed in the GPD in Phase 2.

Build out requirements: The facades of the building will be built out to at least the minimum number of stories stated in the site statistics for this block for a minimum of 90% of linear street frontage along North 6th Street and West McKinley Avenue.

See the following drawings for additional detail: D2 Site Plan

4. BUILDING COMPOSITION

4.1. Street Activation Requirements

The design of the office building provides over 50% glazing (approximately 75% will be glazed) on the east and north elevations of the building along 6th Street and McKinley Avenue, which meets the Medium Activation requirements of the GPD. The northeast corner (adjacent to McKinley Avenue and 6th Street) is fairly solid because of an exit stair, but does not impact the minimum amount of glazing. The remainder of the building is identified as Low Activation by the GPD and does not have a glazing requirement. However, the building design provides an abundance of glazing on the west elevation, which is above and beyond what the GPD requires.

The clear, non-tinted glazing will be provided between 1 foot above grade up to at least 8 feet above grade.

The glazing will not be tinted, not be reflective, and will have a visual transmittance factor of at least 65%.

Where required glazing is provided along the ground floor, the area behind the glazing will be an Activating Use for a minimum of 12 feet in depth.

See the following drawings for additional detail:

- H3 Exterior Elevations
- I2 First Floor Plan

4.1.2 Street Activation Uses

Near the corner of 6th Street and McKinley Avenue, the office building has provided high activation by providing 75% glazing at the ground level. The use behind the transparent façade is the 6th Street entrance, reception and waiting areas, and a community room. These spaces fulfill the GPD requirements for street activating uses.

See the following drawings for additional detail:

- H3 Exterior Elevations
- I1 Ground Floor Plan

4.1.3. Entries

The main pedestrian entrance is on 6th Street, near the intersection of McKinley Avenue allowing for easy access and visibility from the parking structure located across the street. The entrance will be transparent, entering into a vestibule which connects directly to reception and waiting, as well as the community space. The main ground floor entrance fulfills the GPD requirements.

The second entrance is located on the west elevation of the building which faces the surface parking lot. This will be the primary entrance used by those who drive to the building and will also serve as the dropoff zone. The entrance is located toward the north of the building to provide a visual cue to those traveling east on McKinley Avenue towards 6th Street. The curtainwall at the entrance wraps the north corner to provide an expanse of glass along McKinley Avenue.

There will be no formal loading dock for the office building, but it is anticipated that deliveries will arrive from the surface parking lot at either the main entrance to the north of the first floor or the door on the south end of the first floor. The office building will use the outdoor dumpsters near the training center which are enclosed.

In addition to the two entrances, a fire exit is located at the southwest portion of the building, exiting to a sidewalk along the surface parking lot. The exit is detailed to match the surrounding façade.

Staff parking will be located in the parking structure across 6th Street. It is anticipated that most staff will use the ground level entrance on 6th Street. Truck deliveries and visitors will enter the site via a curb cut off of the roundabout in Juneau/Winnebago Avenue. This is the only allowed access point to the site off of the roundabout per DOT guidelines. The single curb cut will provide one lane for ingress and one lane for egress which meets the GPD requirements of 3 lanes maximum.

See the following drawings for additional detail:

- D2 Proposed Site Plan
- I1 Ground Floor Plan
- I2 First Floor Plan

4.1.4. Materials

The office building exterior will be made of high quality materials to match the GPD guidelines. To continue the language of the training center, the base of the building that meets grade will be clad in a stacked bond Norman sized brick masonry. On the upper 2 levels, the building will be clad in a zinc metal panel that provides continuity and planar qualities, with accent banding in a custom profile concealed fastener metal panel to give the facade depth and shadow. The glazing will be curtain wall with clear glass. The glazing frames will be a painted gray color to match the adjacent metal panel. In summary, all sides of the office building will have highly desirable and durable materials. There are also shallow canopies along the east, north, and west facades which will be clad in a high quality composite metal panel and will be gray in color to match the other metal panel and curtainwall mullions.

See the following drawings for additional detail:

- H1 Exterior Renderings
- H2 Exterior Renderings
- H3 Exterior Elevations
- H4 Exterior Renderings
- H5 Exterior Renderings

4.1.5. Detailing Enrichments

The office building is designed as a clean box that extends the textural materials of zinc metal panel, profiled metal panel and brick from the training center along 6th Street to the north and then wraps west along McKinley Avenue providing a presence along the major corridor. The zinc panels spaced 18" on center, create the overall module for the building. Within the zinc metal panel horizontal bands, glazing is introduced to have a human-scaled mullion module of 36" on center on the east façade and the west façade along grade. On the upper levels on the north and west façade, the mullion spacing increases to 72" on center.

The Norman-sized brick is modular in height but extended to 12" long from the typical 8" length. The masonry is arranged in a stacked bond formation to provide crisp lines vertically and to maintain the modularity of the adjacent panels and glazing mullions. The majority of the brick is at street level to create a grounding base to the building while also providing the building with a durable material at grade. The street level of the building continues to add in a human touch with planting beds along the sidewalks and a simple and streamlined landscaping plan that mimics the simplicity of the overall building form.

The building exterior will be lit with downlights at both canopies along 6th Street and at grade along the surface parking lot in order to give illuminance along the pedestrian pathways.

See the following drawings for additional detail:

- H1 Exterior Renderings
- H2 Exterior Renderings
- H3 Exterior Elevations
- H4 Exterior Renderings
- H5 Exterior Renderings

4.2 Building Façade Requirements

4.2.1 Building Articulation

The facades of the office building are designed with varying degrees of depth in the materials in order to create a dynamic design. The depth of the brick, the gray metal panel, and the zinc metal panel are all different to avoid "flat" facades and to provide appropriate transitions between the materials. The glazing systems are also set back from the exterior materials to provide shadows, the impression of thickness and an active rhythm. The glazing system also has a vertical articulation with the use of typical end caps on the mullions while the horizontal mullions are butt glazed so they "disappear" in the façade and accentuate the verticality of the 36" glazing module.

See the following drawings for additional detail:

- H1 Exterior Renderings
- H2 Exterior Renderings
- H3 Exterior Elevations
- H4 Exterior Renderings
- H5 Exterior Renderings

4.2.2 Low Activation /Ground Level Walls

The office building development standards for the majority of the building is labeled as Low Activation and no glazing is required. However, to enliven the streets in which the office building fronts onto, a large amount of glazing has been incorporated along the ground floor on both the north and east facades, as well as on the first floor of the west facade.

The grade along 6th street slopes down from south to north. To help break up the façade, the building integrates composite metal panel at the columns to provide a rhythm to the building.

The grade along McKinley Avenue slopes down from west to east, but glazing is still incorporated to provide daylighting to the interior and to activate the street.

See the following drawings for additional detail:

- H1 Exterior Renderings
- H2 Exterior Renderings
- H3 Exterior Elevations
- H4 Exterior Renderings
- H5 Exterior Renderings

4.2.3 Alley and Side Facing Walls

The north and west facing facades continue the theme of high quality materials and layering of materials. The elevations support both brick masonry and the integration of metal panel and curtain wall to provide depth and expressive elements. The large ribbon of curtain wall along both facades helps provide daylight to the interiors while also breaking up the long wall expanses.

See the following drawings for additional detail:

- H1 Exterior Renderings
- H2 Exterior Renderings
- H3 Exterior Elevations
- H4 Exterior Renderings
- H5 Exterior Renderings

4.2.4 Large Format Uses Façade Design

No large format included, not applicable.

4.2.5 Parking Structure Facade Standards

No Parking Structure Included, Not Applicable

4.2.6. Detailing and Enrichments

The office building provides additional façade details in multiple forms. The vocabulary of all the facades illustrates layering and varying depths of materials to create energetic elevations. The second level along 6th Street carries a long ribbon window of curtain wall recessed into the zinc panel and continues the 36" module from ground level. On the north façade, the curtainwall module doubles to 72" on center to create a presence along the heavily traveled McKinley Avenue before wrapping to the west and seamlessly forming the glass entrance on the first floor. On both the ground and first floor at grade, a canopy is introduced to provide coverage for pedestrians as well allow for a crisp transition between the base and upper levels. Lighting is provided along the length of both canopies.

The rooftop mechanical equipment is skillfully hidden behind a screen wall which is stepped back from the façades. The screen wall will be constructed with a similar profiled metal panel to unify the building. Likewise, the electrical equipment and metering equipment are hidden from view with cohesive landscaping.

See the following drawings for additional detail:

- H1 Exterior Renderings
- H2 Exterior Renderings
- H4 Exterior Renderings
- H5 Exterior Renderings
- H6 Exterior Elevations

5. Site Features

Bordering the parking lot between Winnebago Street and McKinley Avenue, a retaining wall is proposed to maintain appropriate grades, as shown in the previously approved DPD. The wall begins 42-inches above grade on the west, rises out of the ground to the east, and is approximately 10-feet tall from the McKinley Avenue side at its highest point. The wall is approximately 42-inches tall from the parking lot surface grade to block headlights and prevent pedestrians and vehicles from falling over the wall. The cast-in-place concrete wall will have brick masonry facing McKinley Avenue, a stained and exposed finished concrete on the surface parking lot side, and a precast cap. Site Section AA is shown on sheet D1 and portrays the section through the surface parking lot, retaining wall, and street right of way. The retaining wall will skillfully die into the edge of the office building. There will also be a retaining wall that provides for parking to the west while maintaining the grades and along Juneau/Winnebago St. to provide for site parking. The retaining wall will have a decorative aluminum fence on it for code required safety precautions and compatible landscaping along Juneau/Winnebago St. at the entrance to the site.

See the following drawings for additional detail:

- D1 Proposed Site Plan
- I2 First Floor Plan

5.1 Bicycle Parking Minimum Requirements

Referencing approximately 40,000 square feet of office space, the project follows the GPD standards and provides 7 bicycle parking spaces for employees and 2 for visitors, with anticipated location near the front door on the corner of 6th Street and McKinley Avenue and at the main entrance on the west side of the building at the surface parking lot.

See the following drawings for additional detail:

- D1 Proposed Site Plan
- I2 First Floor Plan

5.2 Fencing

A temporary construction fence will be installed at the perimeter of the site with an opaque fabric wrap that covers the entire area of the fence to limit access to the construction area for safety and security purposes. This will also help to limit views of the staging and enliven the area with graphics during construction.

6. GPD Exterior Site Lighting Standards

The color and materials of poles and other light components within the Planned Development district will be compatible and relate to the architectural character of the buildings. Lighting treatments will be used to establish a sense of place and to create visual interest and design continuity within the site. Walkway lighting will be scaled to the pedestrian to emphasize pedestrian activity and provide for safe use of pathways and pedestrian areas. Lighting features will be designed to aid in the geographic orientation of people. Lighting will also be used to accent landscaped areas, building entrances, special focal points, architectural details, signage or other special site features.

Consistent with s. 295-409 of the Milwaukee Code of Ordinances, the Planned Development district lighting will have cut-off fixtures to ensure lighting levels and glare are controlled so that no light source is visible from an adjoining property or public right of way. Also, the maximum illumination at a property line shall be 5 foot-candles.

7. GPD Landscaping Standards

The western portion of Block 8 will be screened according to the GPD Landscaping Standards for Interim Phases. In areas where development is occurring, the GPD Standards for internal and perimeter parking lot landscape requirements follow The City of Milwaukee zoning ordinance landscaping standards. The project is following the Modified Hard Urban Edge requirements, which incorporates an opaque wall and deciduous trees placed 25-feet on center along McKinley Avenue. The retaining wall is approximately 10-feet tall at its highest point along the McKinley Avenue side, and 42-inches above the parking lot surface grade on the development side to block headlights and prevent pedestrians and vehicles from falling over the wall.

Required landscaping and perimeter features shall be kept free of refuse and debris. All plant materials shall be maintained on an ongoing basis, including seasonal tree and plant replacement. Established

trees shall not be removed and replaced with trees of smaller caliper than when they were planted, even if those trees meet the standards of this subsection.

Prior to issuance of any permit or certificate of occupancy for a use or change of use for which perimeter landscaping and edge treatments are required, a landscaping and screening plan with specifications and an installation schedule shall be submitted to the commissioner for approval.

See the following drawings for additional detail:

G Site Landscape Plan

7B. GPD Landscaping Standards for Interim Phases of Block 8

Following the landscape standards for the interim phases of block 8, trees are proposed within a 5-foot buffer, spaced every 25-feet, on-center, along areas not developed during this phase. The areas of the site not currently scheduled for development are also planted with a no-mow fescue seed mix, creating minimal maintenance requirements, year round interest, and erosion control cover. Trees will be installed at or greater than the 2.5-inch minimum with mulch rings.

Required landscaping and perimeter features will be kept free of refuse and debris. All plant materials will be maintained on an ongoing basis, including seasonal tree and plant replacement. Established trees shall not be removed and replaced with trees of smaller caliper than when they were planted, even if those trees meet the standards of this subsection.

A plan for the interim landscaping of open lots shall be submitted to the Commissioners of Neighborhood Services, Public Works and Department of City Development for approval prior to issuance of any permits.

See the following drawings for additional detail:

G Site Landscape Plan

Signage:

East elevation (North 6th Street): There will be a building identifying sign along the awning/canopy near the ground floor entrance.

North elevation (West McKinley Avenue): There will be an internally illuminated sign at the top left corner of the north elevation identifying the building complex name.

West elevation (Surface Parking Lot): There will be an internally illuminated sign at the top left corner of the west elevation identifying the building complex name. There will also be a building identifying sign along the awning/canopy near the first floor entrance.

Temporary Construction Signage:

The majority of the construction signage is already in place for the site due to the current construction of the training center and it is anticipated that little or no additional signage will be required. It is possible that Temporary Perimeter site signage will be provided and consist of a fabric sign material with graphics designed to obscure the construction activity and enliven the block. The fabric sign will cover between 50% and 100% of the perimeter construction fence.

Block 8 – DPD Design Standards and Site Statistics		
Design Standard	GPD Design Standards	DPD Design Standards
Building Height	The buildings will be a minimum of 2 stories in height and up to a maximum of 8 stories.	3 stories, maximum of 45'-0" in height from the lowest grade level. Additional +/- 10'-0" for mechanical screen which is set back from the façade approximately 27'-0". See Design Principle 2– Building Height (page 8).
Façade Requirements	See sheet A180 for location of street activation.	50% glazing for Medium Activation provided at the corner of 6 th Street and McKinley Avenue. This has been exceeded by designing High Activation (75%) along the length of 6 th street and Medium Activation (50%) along the length of McKinley Avenue. The west elevation also has glazing that would meet the High Activation (75%) description. See: Design Principle 4.1 – Street Activation Requirements (page 9). Design Principle 4.1.2 – Street Activation Uses (pages 9-10). Design Principle 4.1.3 – Entries (page 10).
Site Statistics		
Gross Land Area (295-907,2,b-1-a)	144,296 sf	143,913 sf
Maximum amount of land covered by principal buildings. (295-907,2,b-1-b)	Phase 1: 35% (50,500 sf) Phase 2: 49% (70,700 sf)	Phase 1: 32% (45,848 sf) Phase 2 (total for entire site): 41% (58,497 sf)

Maximum amount of land devoted to parking, drives and parking structures. (295-907,2,b-1-c)	Surface parking = 31% (45,000 sf)	Phase 1: 21% (29,853 sf) Phase 2: 27% (39,611 sf)
Land devoted to landscaped open space and plazas. (295-907,2,b-1-d) Open Space (295-907,3,g) Landscaping	Phase 1: 34-43% (48,800 sf to 61,700 sf) Phase 2: 20-24% (28,860 sf to 34,630 sf) Open spaces will be landscaped per the Urban Planning and Design Principles, Design Principle 7 and 7B - Landscape Standards (pages 24-29) and will be maintained by the developer so as not to create a nuisance or hazardous conditions.	Phase 1: 47% (68,212 sf) Phase 2: 32% (45,712 sf) Open spaces will be landscaped per the Urban Planning and Design Principles, Design Principle 7 and 7B - Landscape Standards (pages 15-16)
(295-907,3,i)		
Maximum proposed dwelling unit density, if residential, and/or total square footage devoted to non-residential uses. (295-907,2,b-1-e) Maximum number of dwelling units per building. (295-907,2,b-1-g)	Nonresidential = 150,000 sf Dwelling unit density = 144,296 sf / 961 units = 1,000 sf / unit Maximum of 144 units total for the site	N/A N/A
Proposed number of buildings. (295-907,2,b-1-f)	There may be up to three buildings proposed for development on this block.	1 building approved in original DPD, 1 building proposed as part of this amendment, option for a maximum of 1 more building
Bedrooms per unit. (295-907,2,b-1-h)	1-3 bedrooms and Studio units	N/A

Parking spaces provided, whether surface or in structures, and ratio per unit if residential, or per thousand square feet of building area if non-residential. (295-907,2,b-1-i)	Non-residential: 45 -75 parking stalls .255 / per thousand SF No minimum requirement for parking. Maximum will be determined as part of the DPD.	Maximum of 75 spaces on grade has been designed.
Uses (295-907,3,a)	See Urban Planning and Design Principles, Design Principles 1 uses (page 9-15), for acceptable uses on this block.	Uses as allowed for Block 8 per Design Principle 1 – Land Uses (Pages 4-8)
Design standards (295-907,3,b)	See Urban Planning and Design Principles, Design Principles 1 through 7 (pages 7-29) for Design Principles that apply to this block.	See Design Principles 1 through 7 (pages 4-16) for Design Principles that apply to this block.
Space between structures (295-907,3,d)	All spaces between buildings will comply with the version of the IBC that in force at the time of building design and Department of Safety and Professional Services (DSPS) approval.	2" expansion joint. The office building structure will be built immediately north of the training center with 1 connection on the second floor to the mezzanine of the training facility. Construction types and connection between buildings approved per city variances #1 and #2 for PTS #108807.
Setbacks (295-907,3,e)	Minimum setback: north side of block: 0 feet, east side of block: 0 feet, south side of block: 0 feet, west side of block: 0 feet. Maximum setback: north side of block: 170 feet, east side of block: 12 feet, south side of block: 76 feet, west side of block: 390 feet. See sheet A180 for setbacks.	North setback: ranges from 4' to 6'; East setback: 8'-0"; South setback (to project limits): 2"; West setback (to project limits): 9'- 0" typical and 14'-6" at entrance.

Screening (295-907,3,f)	The proposed GPD standards will not include any screening between the residential components and all other components on the site. If dumpsters and utilities are located outside, screening shall be provided that complies with Design Principle 4.2.2 (page 22).	Screening of dumpsters and utilities is provided via architectural site walls and landscaping. Screening will be provided that complies with Design Principle 4.2.6 (pages 13-14).
Circulation, Parking and Loading (295-907,3,h)	Traffic circulation facilities will be planned and installed consistent with these Design Standards. Adequate access for pedestrians and public and private vehicles will be provided. Parking and loading facilities will be located near the uses they support and will be screened and landscaped with high quality materials per these design standards.	Pedestrian sidewalks and access is maintained along 6 th Street. Public parking is screened to the north and west behind the building and via architectural site walls/retaining walls.
Lighting (295-907,3,j)	See Urban Planning and Design Principles, Design Principle 6 -Exterior Site Lighting Standards (page 23)	Lighting is provided per GPD standards. See Design Principle 6 – Exterior Site Lighting Standards (Page 15)
Utilities (295-907,3,k)	All utility lines will be installed underground. Transformers and substations will be installed within buildings or otherwise screened from view.	All utility lines will be installed underground. Transformers and substations will be installed within buildings or otherwise screened from view via landscaping.
Signage (295-907,3,L)	Signage Standards (except temporary signage) will be approved as part of the Detailed Planned Development (DPD). All signs listed below may be allowed to have changeable messaging. This will be determined as part of the Detailed Planned Development (DPD). Permitted signs will include: • Temporary construction signage.	 The office building will have unique signage located on each elevation. All signage will be design per requirements of Milwaukee Zoning Code, section 295-407 Signage types include: Temporary construction signage. Temporary Perimeter site signage that will consist of a fabric sign material with graphics designed to obscure the construction and the signage in the sector.

 Temporary Perimeter site signage that will consist of a fabric sign material with graphics designed to obscure the construction activity and enliven the block. The fabric sign will cover between 50% and 100% of the perimeter construction fence. Awning signs Canopy Signs Wall signs Roof signs Projecting signs 	 block. The fabric sign will cover between 50% and 100% of the perimeter construction fence. Wall sign: Internal face lit dimensional letters Permanent Window sign: Applied glazing film Off-premise sign: directing traffic ingress and egress Off-premise sign: Building identification sign near streets. Off-premise sign: Marquee sign
	See the following drawings 15 Signage Key 16 Signage Elevations

Block 8 – SITE PHOTOGRAPHS























Block 8 – LIGHTING CUT SHEETS

DESCRIPTION

4 inch LED recessed narrow, medium, or wide beam downlight specially designed for LED technology. Two-stage reflector system produces smooth distribution with excellent light control and low aperture brightness. Lumen packages include 900, 1300, 1800 and 2800 lumens with color temperatures of 2700K, 3000K, 3500K, 4000K. Available with dim-to-warm technology - similar to halogen at full power, the 3000K LED warms smoothly as dimmed to 1850K creating a rich warm glow within the space.

SPECIFICATION FEATURES

Lower Shielding Reflector Self-flanged, spun .050" thick aluminum lower reflector in combination with a lensed upper optical chamber provides superior lumen output with minimal source brightness. Available in all Portfolio Alzak® finishes.

Trim Retention

I ower reflector is retained with two torsion springs holding the flange tightly to the finished ceiling surface.

Plaster Frame / Collar

New Construction Housing: Die cast aluminum 1-1/2" deep collar accommodates ceiling materials up to 2".

Universal Mounting Bracket

Accepts 1/2" EMT, C channel and bar hangers and adjusts 5" vertically from above and below the ceiling.

Junction Box

(4) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. Listed for (8) #12 AWG (four in, four out) 90°C

conductors and feed thru branch wiring.

Thermal

Extruded aluminum heat sink conducts heat away from the LED module for optimal performance and long life.

LED

LED system contains a plurality of high brightness white LED's combined with a high reflectance upper reflector and convex transitional lens producing even distribution with no pixilation. Rated for 50,000 hours at 70% lumen maintenance. Auto resetting, thermally protected, LED's are turned off when safe operating temperatures are exceeded. Color variation within 3-step MacAdam ellipses. Flexible disconnect allows for tool-less replacement of LED engine from below ceiling. Available in 80 or 90 CRI.

D2W[™] – dim-to-warm shifts CCT from 3000K to 1850K as fixture dims mimicking halogen sources.

Driver

Combination 120-277V 0-10V or 120V trailing edge phase cut driver provides flicker free dimming from 100% to 10%. Optional 1% 0-10V, Fifth Light, DMX or Lutron® Ecosystem. Driver can be serviced from above or through the aperture.

Code Compliance

Thermally protected and cULus listed for protected wet locations. IP66 rated when used with IP66 gasket kit accessory. Optional City of Chicago environmental air (CCEA) marking for plenum applications. EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits. Non-IC rated -Insulation must be kept 3" from top and sides of housing. RoHS Compliant. Photometric testing completed in accordance with IES LM 79 standards. LED life testing completed in accordance with LM 80 standards.

Warranty

5-year warranty.



Note: Max Opening 4-3/8" [111mm]

Lumens	Height
900/1300	5-7/16"
900/1300	5-11/16"
900/1300	5-3/16"
1800/2800	7-7/16"
1800/2800	7-11/16"
1800/2800	7-3/16"
	Lumens 900/1300 900/1300 900/1300 1800/2800 1800/2800 1800/2800

erina Business Worldwide



TOP VIEW - NEW CONSTRUCTION 머리 9-13/16" [249mm] 10-3/16" [259mm]-

TOP VIEW - NEW CONSTRUCTION WITH BATTERY



Refer to ENERGY STAR® Qualified Products List



Portfolio

Catalog #	Туре
Project	
	Date
Comments	Date



LD4A09 LD4A13 LD4A18 LD4A28 4

900, 1300 Lumen LED 1800, 2800 Lumen LED

4-Inch Narrow, Medium, or Wide Beam Downlight **New Construction** EXAMPLE: LD4A13D010TE ERM4A13835 4LM0LI=4" LED Medium Beam Reflector Lens, 1300 lumen, 3,500 K Color with Universal 120 - 277V, 0 - 10 Driver

Housing	Lumens ¹	Driver		Options ³	Pow	er Module	Lumens	CRI	Col	or
LD4A=4" Aperture LD4ACP=4" Aperture, Chicago Plenum 13=1300 Lumens 18=1800 Lumens 28=2800 Lumens	900, 13 01010TE or Traili D5LT=F DE010= 50/60Hz DL3=1 t Hi-Lum DLT=Hi Dimmir DMX=C 900, 13 D010TR or Lead	200, 1800 and 2800 Lume =120-277V 0-10V 10% Di ng Edge 120V Dimming ifth Light* (DALI) 0% Dir 0 to 100% Dimming, 120-2 e, Ecosystem or 3 Wire -Lume Forward Phase 2: ng 120V MX 0% Dimming 200 and 1800 Lumen =120-277V 0-10V 10% D ing Edge 120V Dimming	an EMBOD imming 0-277V Extron [®] Switch EM727V Lutron [®] Switch EM727V -wire with lat imming imming g with lat	=7W Bodine [®] ncy Module with Test Switch =7W Bodine [®] ncy Module agral Test V Emergency Mod mote Test Switch ⁴ W Emergency Mod agral Test Switch ⁴ 4W Emergency Mod agral Test Switch ⁴	Hule odule 4.5.6 Hule 4.5.6 Hule 4.5.6 Hule 13= 18= 28= Action Action Hule 13= 18= 28= 18= 18= 18= 18= 18= 18= 18= 18= 18= 1	44=4" Module fr row Beam Reflec MA=4" Module f dium Beam Refle V4A=4" Module f le Beam Reflecto 900 Lumen 1300 1800 Lumen 2800 Lumen	or or ctor or r	8=80 CRI 9=90 CRI	27=2700° K 30=3000° K 35=3500° K 40=4000° K 27CP=2700° 30CP=3000° 35CP=3500° 40CP=4000° 30D2W= Dim to 1850° K (2 below, 90 CR	K, Chicago Plenum K, Chicago Plenum K, Chicago Plenum K, Chiago Plenum to warm 3000° K 000 lumen and I)

Reflector	Finis	Finish Options Accessories		h Options Accessories		s Accessories			
4LN0=4" Narrow Reflector Lens Assembly, White Polymer Trim Ring 4LM1=4" Narrow Reflector, Self-flanged 4LM0=4" Medium Reflector Lens Assembly, White Polymer Trim Ring 4LM1=4" Medium Reflector, Self-flanged 4LM0E=4" Medium Reflector Lens Assembly, White Polymer Trim Ring for Integral Emer- gency Option ⁵ 4LM1E=4" Medium Reflector Self-flanged for Integral Emer- gency Option ⁵ 4LW0=4" Wide Reflector Lens Assembly. White Polymer	LI=Specular Clear H=Semi-Specular Clear WMH=Warm Haze G=Specular Gold WH=Wheat WH=Wheat Haze GP=Graphite GPH=Graphite Haze	B=Specular Black W=Gloss White 4 <u>LM0 Oniy</u> BB=Black Baffle WB=White Baffle	Self-flanged Only WF= White Painted Flange	HB26=C-channel Bar Hanger, 26" Long, Pair HB50=C-channel Bar Hanger, 50" Long, Pair RMB22=Wood Joist Bar Hanger, 22" Long, Pair H347= 347 to 120V Step Down Transformer, 75VA	H347200=347 to 120V Step Down Transformer, 200VA TRM4P= Metal Trim Ring, White ² TRM4MB=Metal Trim Ring, Black ² TRR4=Rimless Trim Ring ² LGSKT4IP66=IP66 Gasket Kit				

Notes: 1 Nominal Lumens will vary depending on selected color, driver and reflector finish.
 2 Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).

Not available with Chicago Plenum.
 Not CSA approved.

4LW1=4" Wide Reflector, Self-flanged

5 For use in accessible ceilings only.

6 For use with medium beam accessible ceilings only.

ENERGY

ENERGY DATA								
	Sound Rating: Class A standards							
	(Values at non-dir	nming line voltage)						
	Minimum Starting Ten	nperature: -30°C (-22°F)						
	EMI/RFI: FCC Title 47 CFR,	Part 15, Class B (Consumer)						
	Input Voltage: L	INV (120V - 277V)						
Power Facto	or: >0.90 (at nominal input 120)-277 VAC & 100% of Rated O	utput Power)					
	Input Frequ	ency: 50/60Hz						
2800 Lumo	en D010TE	1800 Lumen D010TE						
Input Power: 43.4W	THD: <17%	Input Power: 31.5W	THD: <20%					
120V Input Current: .36A	277V Input Current: .16A	120V Input Current: .27A	277V Input Current: .06A					
1300 Lumo	900 Lume	n D010TE						
Input Power: 22.4W	THD: <20%	Input Power: 14.1W	THD: <20%					
120V Input Current: .12A	277V Input Current: .09A	120V Input Current: .12A	277V Input Current: .06A					

	12	20V	277V			
Lumens	Inrush (A)	Duration (ms)	Inrush (A)	Duration (ms)		
900/1000	0.486	0.4	0.848	0.182		
1300/1500	0.717	1.58	0.531	1.24		
1800/2000	0.832	0.405	1.25	0.788		
2800/3000	1.09	0.3	1.23	0.294		



Specifications and dimensions subject to change without notice.



1300 lumen multiplier .62. 2800 lumen multiplier 1.12.





CONE	OF LIG	HT		CANDELA	
	<u> </u>		Γ	Degrees Vertical	
00	/		D D	0	
1	\downarrow			5	
		- (L	15	
D	FC	L	W	25	
5.5'	148	3.6	3.6	35	
7'	92	4.6	4.6	45	
8'	70	5.2	5.2	55	
0'	55	5.9	5.9	65	
5	55	5.0	5.0	75	
10'	45	6.6	6.6	85	
12'	31	7.8	7.8	90	

90

TABLE	ZONALI	LUMEN SI	JMMA
Candela	Zone	Lumens	%Fixt
4483	0-30	2055	821
4316	0-30	2000	02.0
3105	0-40	2449	97.
1751			
594	0-60	2503	99.
43			
0	0-90	2507	100
0			
0	90-180	0	0.0
0	0 100	0507	100
0	0-180	2007	100.

IMMARY	LUMINANC	E
%Fixture	Average Candela	Average 0° Luminance
82.0	45	5954
97.7		0
99.8	55	U
100.0	65	0
0.0	75	0
100.0	85	0

1300 lumen multiplier .62. 2800 lumen multiplier 1.17.

		CANDL	EPOWER DISTRIBUTION	CONE	OF LI	GHT		CANDEL	A TABLE	ZONAL	LUMEN S	UMMARY	LUMINANO)E
Test Number	P134426		Downlight		Λ^{-}		Т	Degrees Vertical	Candela	Zone	Lumens	%Fixture	Average Candela	Average 0°
Platform	LD4A18D010TE		008		/!			0	1618				Degrees	Luminance
Element	ERW4A18835 4LW1LI			0°	/ `	\	Ĭ	5	1666	0-30	1520	59.1	45	52140
Lumens	2572			8		3	⊥	15	1946	0-40	2205	95.7	-10	02140
Efficacy	78.4 Lm/W	650		D	FC	L	W	25	1787	0-40	2203	03.7	55	0022
SC	1.3	030		5.5'	58	6.6	6.6	35	1108	0-60	2567	99.8	00	0022
			60°	7'	36	8.4	8.4	45	378				65	761
		1200		8'	27	9.6	9.6	55	53	0-90	2572	100		
		1300				10.0	10.0	65	3				75	0
			45°	9	22	10.6	10.0	75	0	90-180	0	0	10	Ŭ
				10'	18	12	12	85	0				05	0
		1950	15° 30°	12'	12	14.4	14.4	90	0	0-180	2572	100	65	U

1300 lumen multiplier .64. 2800 lumen multiplier 1.19.

EM MULTIPLIER DATA

LUMENS	EM MULTIPLIER					
	7	14				
900/1000	0.50	0.99				
1300/1500	0.29	0.57				
1800/2000	0.22	0.44				
2800/3000	0.16	0.32				



Specifications and dimensions subject to change without notice.

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