



November 16, 2016

**VIA E-MAIL AND HAND DELIVERY**

Tim Parks  
City of Madison  
215 Martin Luther King Jr. Boulevard  
Room LL-100  
Madison, WI 53703

Re: Supplemental UDC & Land Use Submittal  
**The Spark**  
819 E. Washington Avenue

Dear Mr. Parks:

Enclosed please find supplemental plan sets for **The Spark** application submitted on October 12, 2016 for initial/final approval at the November 30, 2016 UDC meeting and conditional land use approval at the December 12, 2016 Plan Commission meeting. The supplemental materials include the following changes identified following further review and discussion with American Family for the new center for entrepreneurship and innovation to be created as part of this development:

- Revisions have been made to Floor Plans (A101, A103) and corresponding Elevations (A200-A202) due to necessary changes that better accommodate support spaces such as the MG&E transformer vault, loading dock as well as other "back-of-house" functions that support building operations.

Additionally, we've simplified the overall exterior material palette and enriched the east façade with a warmer, more textural material (terra cotta) in a color inspired by the red brick that's common to the neighborhood.

- We have included exterior light fixture cut sheets (ES 103-ES106) for your information and review. The cut sheets correspond directly to the information previously submitted and the photometric plan. These cut sheets were not assembled in time for the October 12<sup>th</sup> submittal, therefore we are providing those to you as part of this supplement.
- The following revisions have been made to the landscape plans (L100-L104) that directly relate to shifting entry points slightly to accommodate core and back-of-house requirements:
  - Revisions to foundation plantings at or near entry points on E. Main and E. Washington.
  - Addition of plantings along shared property boundary

Please let me know if you have any questions on the supplemental materials. We look forward to presenting these materials to the UDC and Plan Commission at upcoming meetings.

333 E. Chicago St.  
Milwaukee, WI 53202

414 271 5350 : main  
414 271 7794 : fax

222 W. Washington Ave.  
Suite 650  
Madison, WI 53703

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608 442 6680 : fax



UDC / Plan Commission Supplemental : The Spark

819 E Washington Ave

Date: November 16, 2016

Page 2 of 2

Thank you for your consideration and assistance on this phase of the project. Please contact me with any questions regarding this submittal for **The Spark**,

Sincerely,

A handwritten signature in black ink that reads 'Thomas Stacey'. The signature is fluid and cursive, with the first name 'Thomas' and last name 'Stacey' clearly legible.

Thomas Stacey, AIA  
Associate : Senior Project Manager

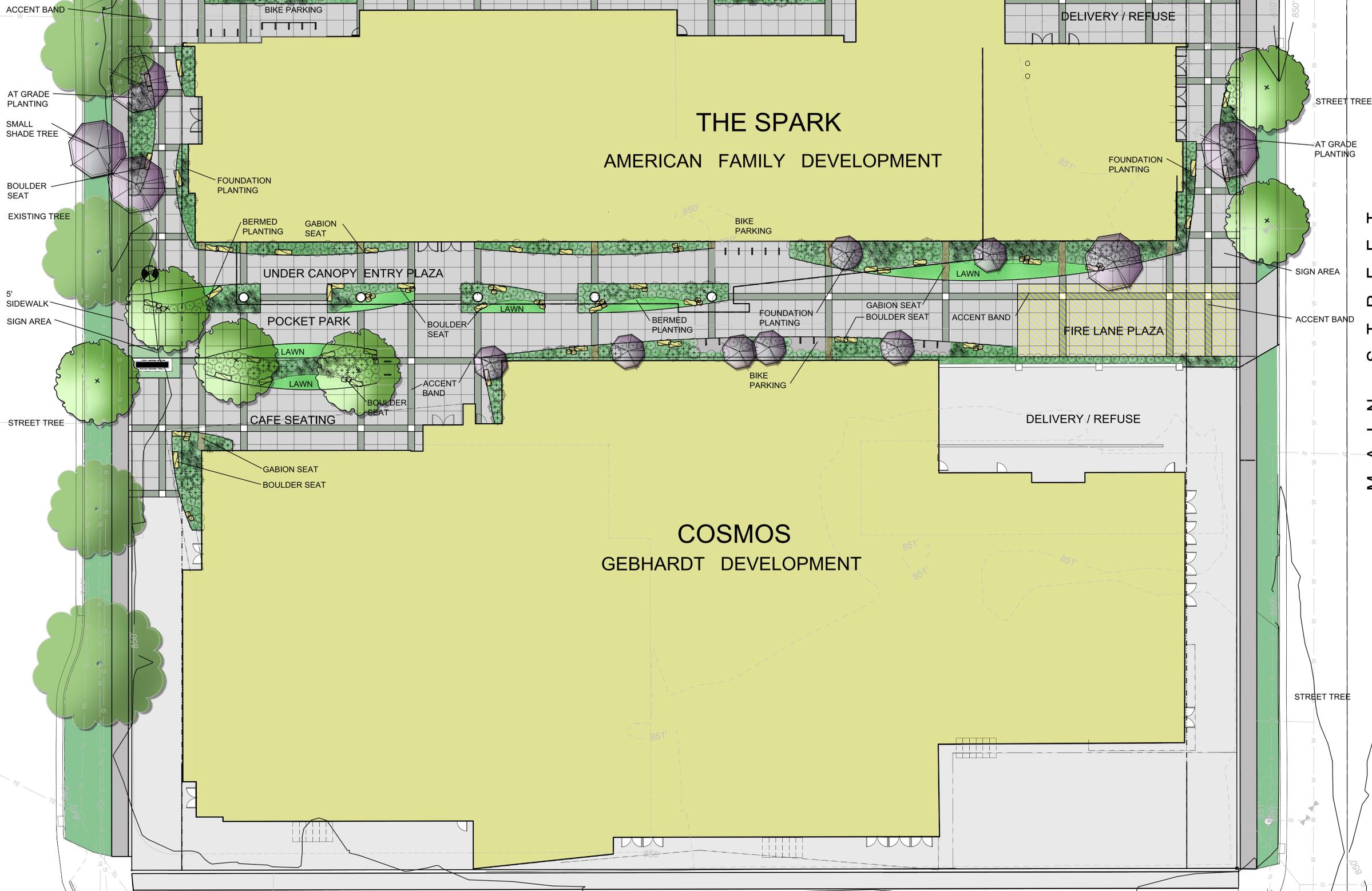
cc: (all via email)  
Marsha Rummel, District 6 Alderperson  
Natalie Erdman, Director of Planning, Community and Economic Development  
Heather Stouder, Planning Division Director  
Tim Parks, Planning Division  
Al Martin, Planning Division  
Matt Tucker, Zoning Administrator  
Jeff Vercauteren,

EAST WASHINGTON

MAIN STREET

THE SPARK  
AMERICAN FAMILY DEVELOPMENT

COSMOS  
GEBHARDT DEVELOPMENT



milwaukee 333 East Chicago Street  
t Milwaukee, Wisconsin 53202  
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madison 309 West Johnson Street, Suite 202  
Madison, Wisconsin 53703  
telephone 608.442.5350

KEY PLAN



330 West Lakeside Street  
Madison, WI 53715  
608.358.6344

ISSUANCE AND REVISIONS

SUPPLEMENTAL SUBMISSION

#	DATE	DESCRIPTION



NORTH  
SCALE: 1" = 10'-0" (30x42 sheet)

**PROGRESS DOCUMENTS NOT FOR CONSTRUCTION**

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and should not be used for final bidding or construction-related purposes.

PROJECT INFORMATION

AMERICAN FAMILY INSURANCE - THE SPARK

800 E. WASHINGTON AVENUE  
MADISON, WI

PROJECT NUMBER: 1012\_AmFAM

PROJECT MANAGER: GP

SHEET INFORMATION

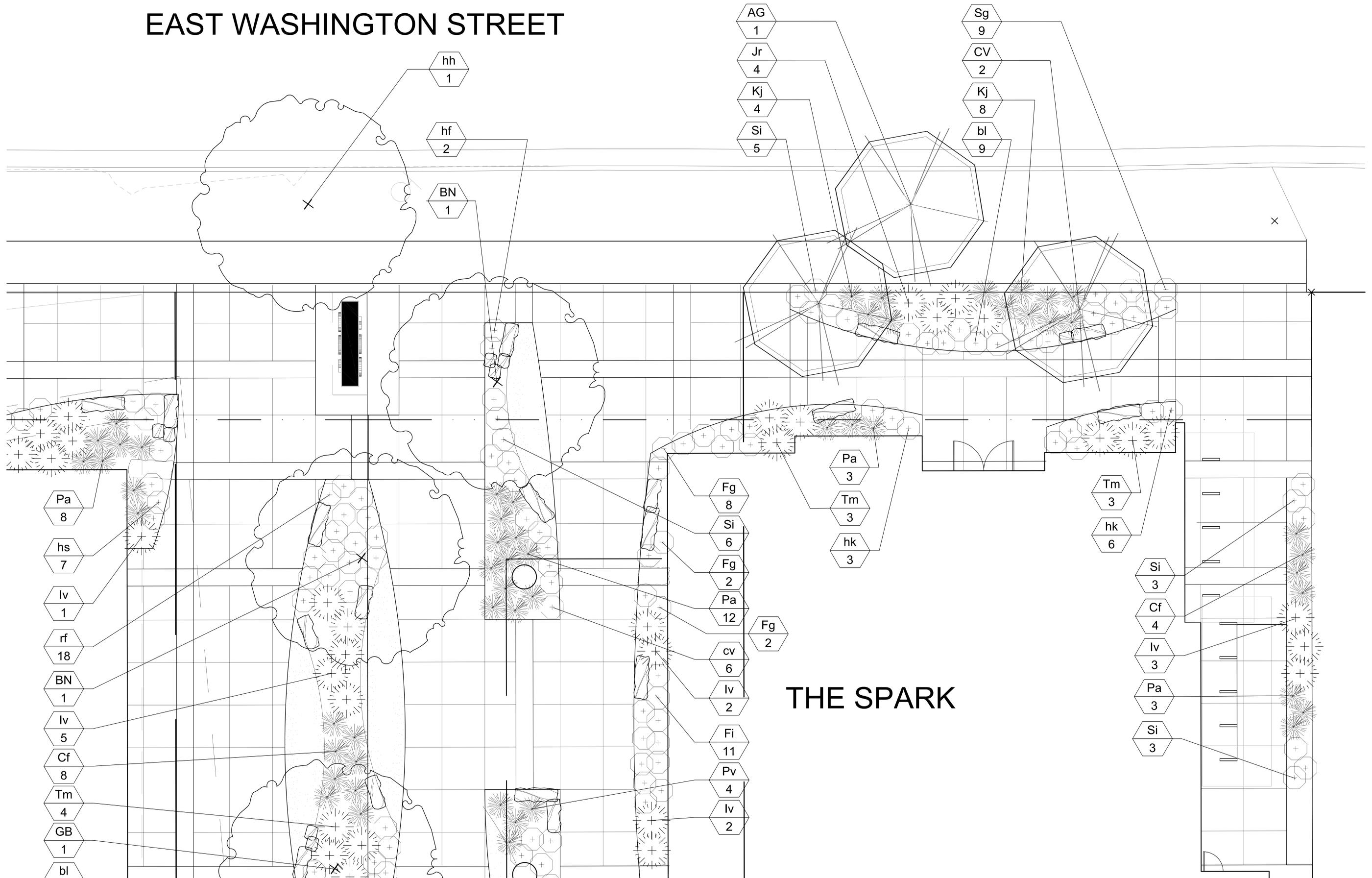
DATE: NOVEMBER 15, 2016

SHEET NAME: Plaza and Landscape Plan

SHEET NUMBER: **L100**

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# EAST WASHINGTON STREET



KEY PLAN

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PROJECT INFORMATION

SHEET INFORMATION

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800 E. WASHINGTON AVENUE  
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SHEET NAME: Landscape Enlargement Plan

PROJECT NUMBER: 1012\_AmFAM  
PROJECT MANAGER: GP

SHEET NUMBER:

**L101**



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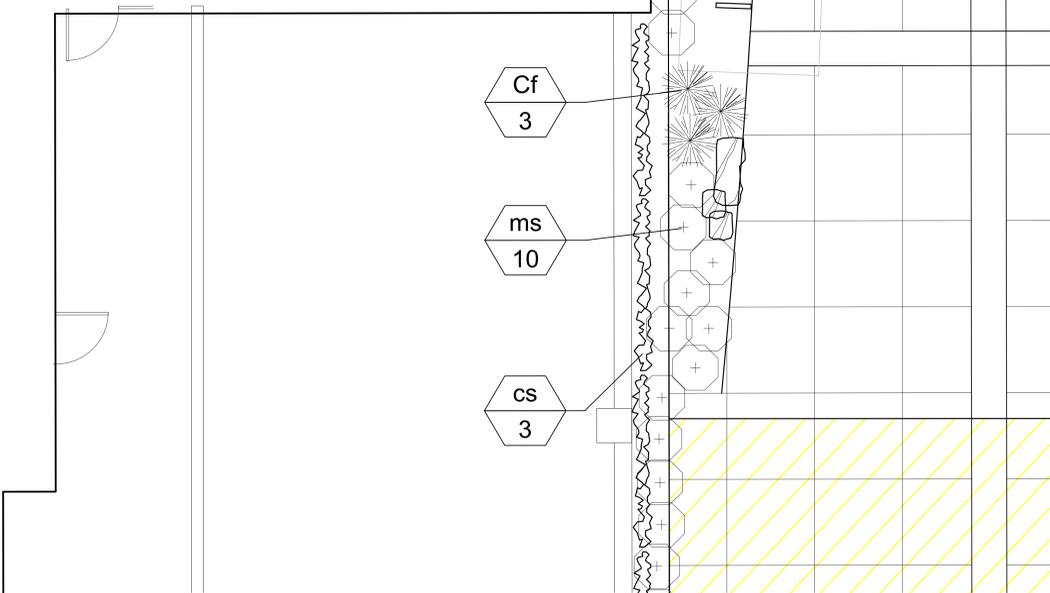
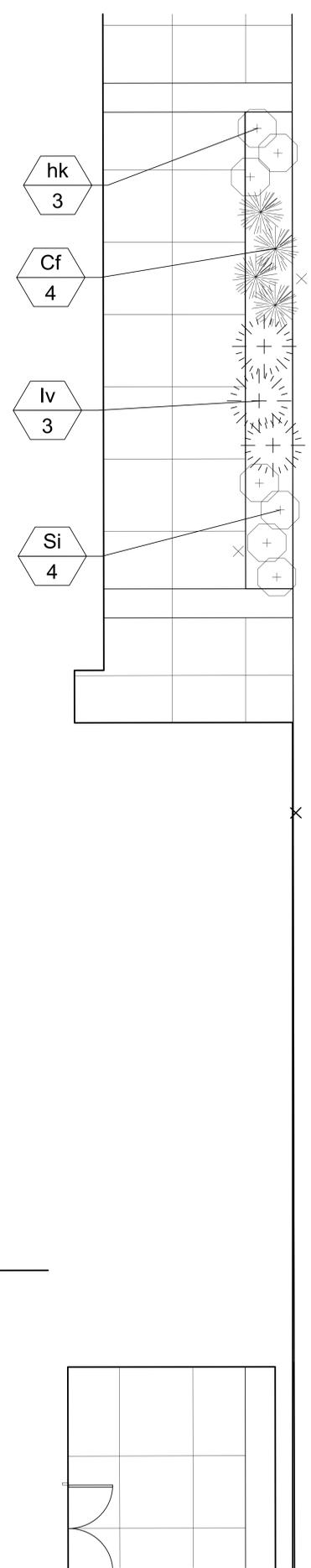
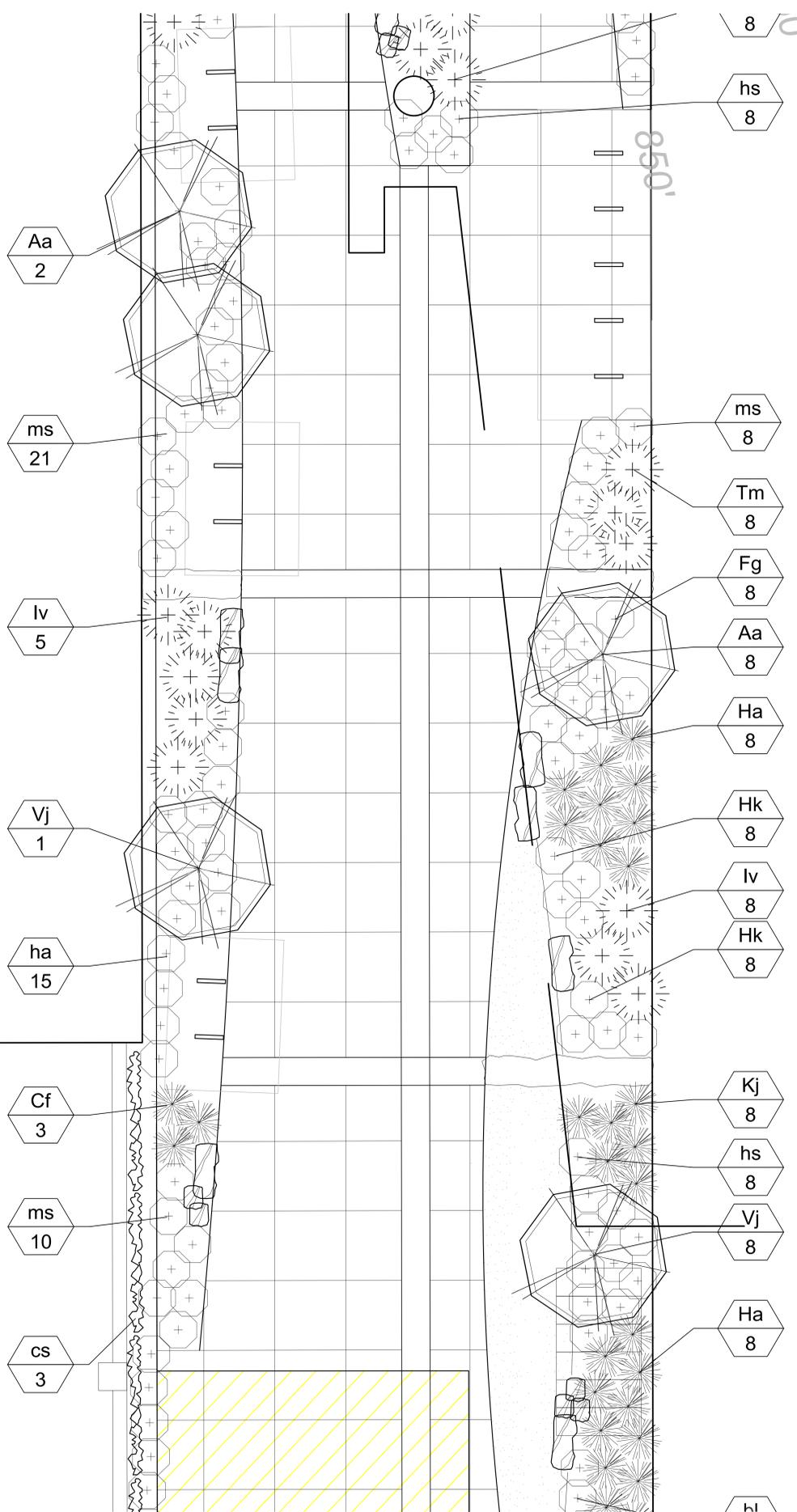


NORTH  
SCALE: 1/4" = 1'-0" (30x42 sheet)

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# THE COSMOS

# THE SPARK



KEY PLAN

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PROJECT INFORMATION

SHEET INFORMATION

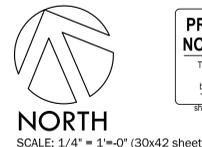


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 MADISON, WI

PROJECT NUMBER: 1012\_AmFAM  
 PROJECT MANAGER: GP

DATE: NOVEMBER 15, 2016  
 SHEET NAME: Landscape Enlargement Plan  
 SHEET NUMBER: **L103**

THE COSMOS

THE SPARK

EAST MAIN STREET

ms  
17

cs  
4

Pa  
5

ms  
3

bl  
3

Jr  
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CM  
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20

Pa  
9

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2

SI  
3

Pv  
4

cv  
4

GB  
1

hf  
4

Cf  
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CV  
1

Jr  
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4

ls  
5

GT  
1

Pa  
5



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800 E. WASHINGTON AVENUE  
MADISON, WI

PROJECT NUMBER: 1012\_AmFAM  
PROJECT MANAGER: GP

SHEET INFORMATION

DATE: NOVEMBER 15, 2016

SHEET NAME: Landscape Enlargement Plan

SHEET NUMBER: **L104**

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**LANDSCAPE PLANT SCHEDULE**

Symbol	Botanical Name	Common Name	Size	Root	Quantity
DECIDUOUS TREES					
AG	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	1-3/4"	B&B	
AP	Acer palmatum 'Bloodgood'	Bloodgood Japanese Maple	6'-8'	clump	
BN	Betula nigra	River Birch	2.5"	clump	
CM	Cornus mas	Cornelian Cherry Dogwood	6'	clump	
CV	Crataegus virdi 'Winterking'	Winterking Hawthorne	8'-10'	clump	
GB	Ginkgo biloba	Ginkgo Tree	2.5"	B&B	
GT	Gleditsia tricanthos var. inermis 'Shademaster'	Shademaster Honeylocust	2.5"	clump	

Symbol	Botanical Name	Common Name	Size	Root	Quantity
EVERGREEN SHRUBS					
Iv	Illex verticillata	Winterberry	5 Gal.	CG	
Jr	Juniperus ramlosa	Ramlosa juniper	5 Gal.	CG	
Tm	Taxus tauntonii	Taunton yew	5 Gal.	CG	

Symbol	Botanical Name	Common Name	Size	Root	Quantity
DECIDUOUS SHRUBS and GRASSES					
Aa	Aronia arbutifolia 'Brilliantissima'	Brilliant Red Chockberry	5 Gal.	CG	
Fg	Fothergilla gardenii 'Mount Airy'	Mount Airy Fothergilla	5 Gal.	CG	
Fi	Forsythia x intermedia 'Courtasol'	Gold Tide Forsytia		CG	
Hk	Hypericum kalmianum 'Ames'	Ames St. Johns Wort	3 Gal.	CG	
Ha	Hydrangea arborescens	Annabelle Hydrangea	3 Gal.	CG	
Kj	Kerria japonica	Japanese Kerria	3 Gal.	CG	
Pa	Pennisetum alopecuroides 'Hameln'	Dwarf Fountain Grass	3 Gal.	CG	
Pv	Panicum virgatum 'Shenandoah'	Shenandoah Swith Grass	1 Gal.	CG	
Cf	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 Gal.	CG	
Si	Stepanandra incisa 'Crispa'	Cut Leaf Stephanandra	2 Gal.	CG	
Vj	Viburnum x juddii	Judd Viburnum	5 Gal.	CG	

Symbol	Botanical Name	Common Name	Size	Root	Quantity
PERENNIALS					
bl	Phlox divaricata 'Clouds of Perfume'	Woodland Phlox	1 Gal.	CG	
cv	Coreopsis verticillata 'Zagreb'	Threadleaf Coreopsis	4"	CG	
hs	Hemerocallis species	Daylily mixed varieties	4"	CG	
ha	Hosta 'Fortunei Aureomarginata'	Aurea marginata hosta	4"	CG	
he	Hosta sieboldiana 'Elegans'	Sieboldian Hosta	4"	CG	
hf	Heuchera 'Frosted Violet'	Frosted Violet Heuchera	4"	CG	
ls	Liatris spicata 'Blazing Star'	Blazing Star	4"	CG	
ms	Matteuccia struthiopteris	Ostrich Fern	4"	CG	
rf	Rudbeckia fulgida var. sullivantii 'Goldsturm'	Goldsturm Black-Eyed-Susan	4"	CG	
cs	Celastrus scandens	American Bittersweet	3 gal.	CG	



**CITY OF MADISON  
LANDSCAPE WORKSHEET**

Section 28.142 Madison General Ordinance

Project Location / Address 800 East Washington Ave  
 Name of Project The Spark  
 Owner / Contact American Family Insurance  
 Contact Phone 608-242-4100 Contact Email SHETZEL@amfam.com

**\*\* Landscape plans for zoning lots greater than ten thousand (10,000) square feet in size MUST be prepared by a registered landscape architect. \*\***

**Landscape Calculations and Distribution**

Required landscaped areas shall be calculated based upon the total developed area of the property. Developed area is defined as all parts of the site that are not left in a natural state within a single contiguous boundary, including building footprints, parking and loading areas, driveways, internal sidewalks, patios, and outdoor activity areas. Developed area does not include other land within required setbacks and natural areas on the same property that are left undisturbed.

(a) One (1) landscape unit shall be provided for each three hundred (300) square feet of developed area, with the exception of the IL and the IG districts as specified in (b) below.

Total square footage of developed area 36,520

Developed area divided by three hundred (300) square feet = 121 **Landscape Units**

(b) Within the Industrial – Limited (IL) and Industrial – General (IG) districts, one (1) landscape unit shall be provided for every six hundred (600) square feet of developed area.

Total square footage of developed area \_\_\_\_\_

Developed area divided by six hundred (600) square feet = \_\_\_\_\_ **Landscape Units**

(c) One landscape unit consists of five (5) landscape points. Landscape points are calculated as shown in the following table.

Landscape units multiplied by five (5) landscape points = 605 **Total Points Required**

**Tabulation of Points and Credits**

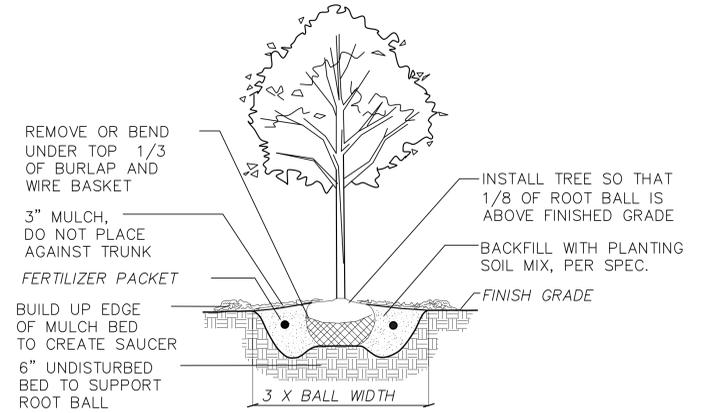
Use the table to indicate the quantity and points for all existing and proposed landscape elements. **Calculations yielding a fraction up to one-half (1/2 or 0.5) shall be rounded down to the nearest whole number; fractions of more than one half (1/2) shall be rounded up.**

Plant Type/ Element	Minimum Size at Installation	Points	Credits/ Existing Landscaping		New/ Proposed Landscaping	
			Quantity	Points Achieved	Quantity	Points Achieved
Overstory deciduous tree	2½ inch caliper	35			7	245
Ornamental tree	1 1/2 inch caliper	15			4	60
Evergreen tree	3 feet tall	15				
Shrub, deciduous	18" or 3 gallon container size	2			122	244
Shrub, evergreen	18" or 3 gallon container size	3			61	183
Ornamental grasses	18" or 3 gallon container size	2			60	120
Ornamental/ decorative fencing or wall	n/a	4 per 10 lineal ft.				
<b>Sub Totals</b>						<b>852</b>

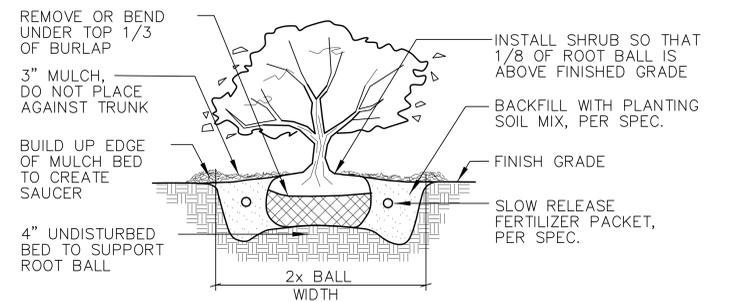
**Total Number of Points Provided** 852

3/2013

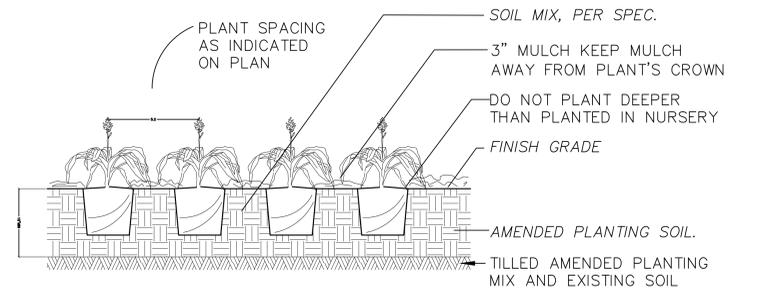
1



1 B&B TREE PLANTING DETAIL  
L101 NTS



3 B&B SHRUB PLANTING DETAIL  
L101 NTS



4 GROUNDCOVER / PERENNIAL PLANTING DETAIL  
L101 NTS

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**the spark**  
 ENERGIZED BY AMERICAN FAMILY INSURANCE  
**etc design studio**  
 330 West Lakeside Street  
 Madison, WI 53715  
 608.358.6344

ISSUANCE AND REVISIONS  
 SUPPLEMENTAL SUBMISSION  
 # DATE DESCRIPTION  
**PROGRESS DOCUMENTS NOT FOR CONSTRUCTION**  
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PROJECT INFORMATION  
**AMERICAN FAMILY INSURANCE - THE SPARK**  
 800 E. WASHINGTON AVENUE  
 MADISON, WI  
 PROJECT NUMBER: 1012\_AmFAM  
 PROJECT MANAGER: GP

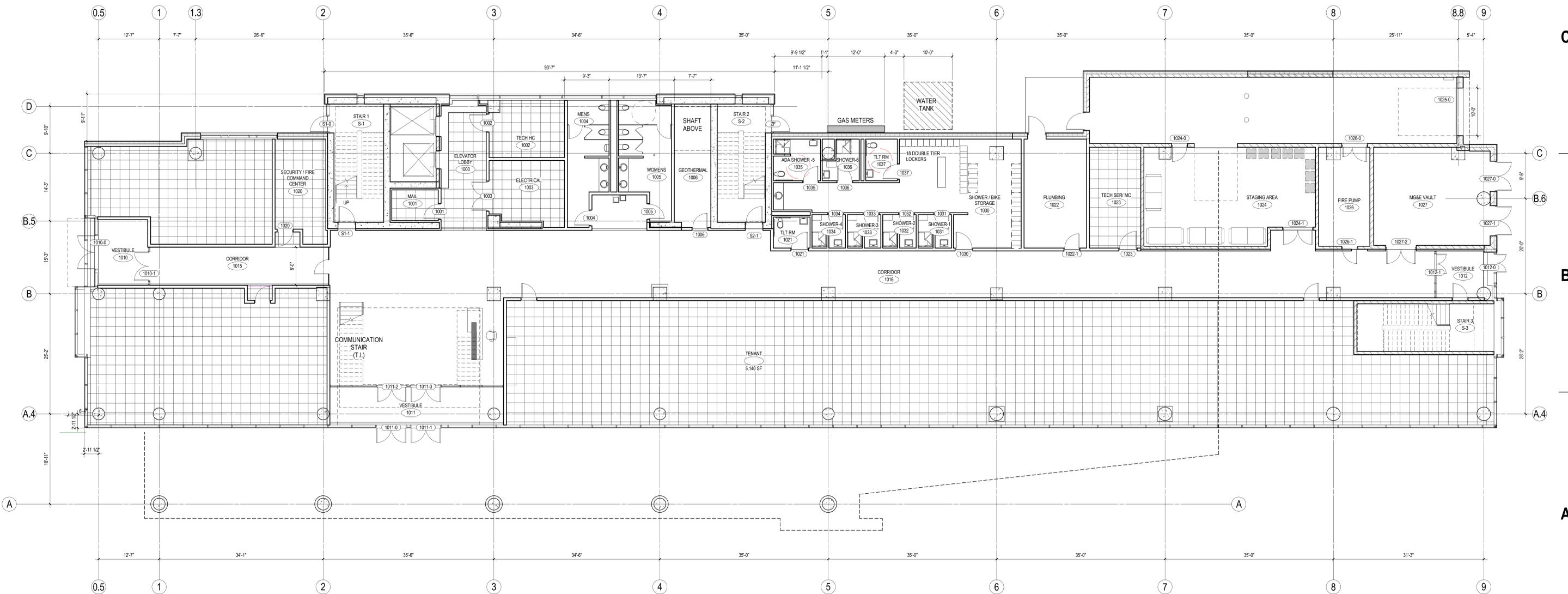
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 DATE: NOVEMBER 15, 2016  
 SHEET NAME: Landscape Details  
 SHEET NUMBER: **L105**  
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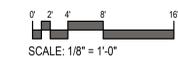
- 12" HIGH RAISED FLOOR
- RAISED CONCRETE FLOOR -  
4" CONCRETE TOPPING WITH HIGH DENSITY FOAM FILL
- ROOF DECKING PAVERS
- SLAB-ON-GRADE AT 100'-0"
- GREEN ROOF

KEYNOTES PER SHEET

**D2** FIRST FLOOR - RAISED FLOOR - PRICING  
1/16" = 1'-0"



**A5** FIRST FLOOR PLAN  
1/8" = 1'-0"



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KEY PLAN



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SUPPLEMENTAL

#	DATE	DESCRIPTION

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PROJECT INFORMATION

AMERICAN FAMILY INSURANCE - THE SPARK

800 E. WASHINGTON AVENUE  
MADISON, WI

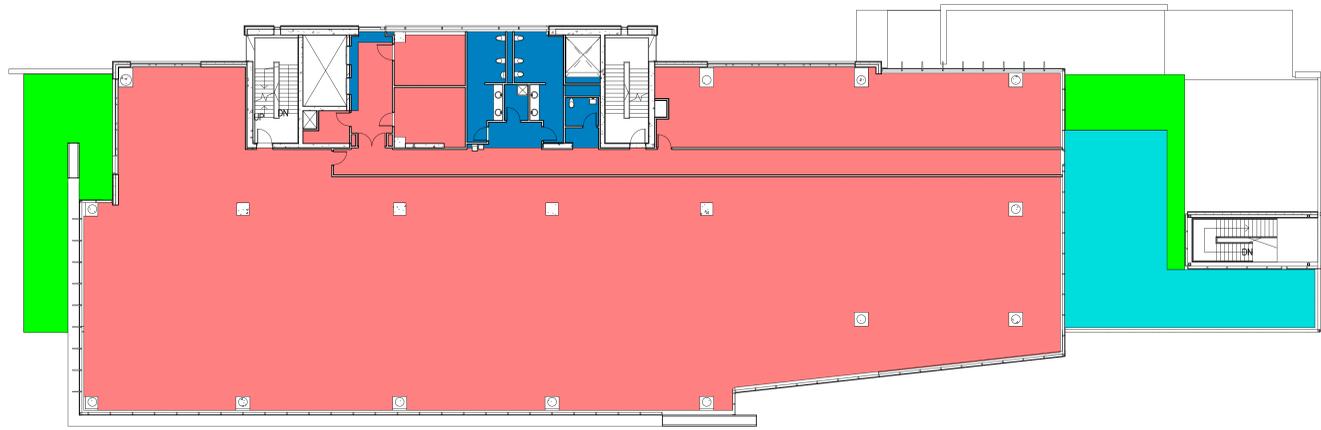
PROJECT NUMBER: 215562-01  
PROJECT MANAGER: TS

SHEET INFORMATION

DATE: NOVEMBER 16, 2016

SHEET NAME: FIRST FLOOR PLAN  
**A101**  
SHEET NUMBER:

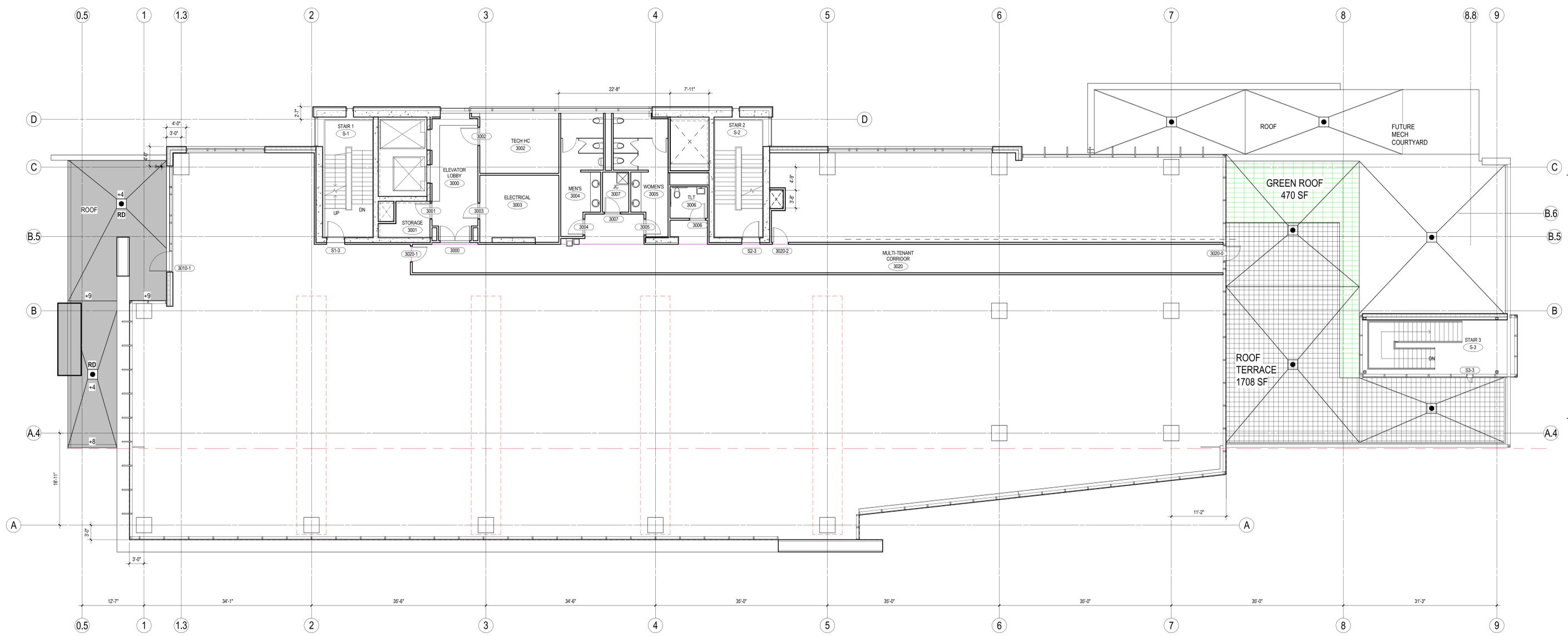
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- 12" HIGH RAISED FLOOR
- RAISED CONCRETE FLOOR - 4" CONCRETE TOPPING WITH HIGH DENSITY FOAM FILL
- ROOF DECKING PAVERS
- SLAB-ON-GRADE AT 100'-0"
- GREEN ROOF

KEYNOTES PER SHEET

**D2** THIRD FLOOR - RAISED FLOOR - PRICING  
1/16" = 1'-0"



**A5** THIRD FLOOR PLAN  
1/8" = 1'-0"

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**the Spark**  
ENERGIZED BY AMERICAN FAMILY INSURANCE

**Findorff**

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PROGRESS SET

#	DATE	DESCRIPTION

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**AMERICAN FAMILY INSURANCE - THE SPARK**

800 E. WASHINGTON AVENUE  
MADISON, WI

PROJECT NUMBER: 215562-01  
PROJECT MANAGER: TS

SHEET INFORMATION

DATE: NOVEMBER 18, 2016

SHEET NAME: **THIRD FLOOR PLAN A103**

SHEET NUMBER:

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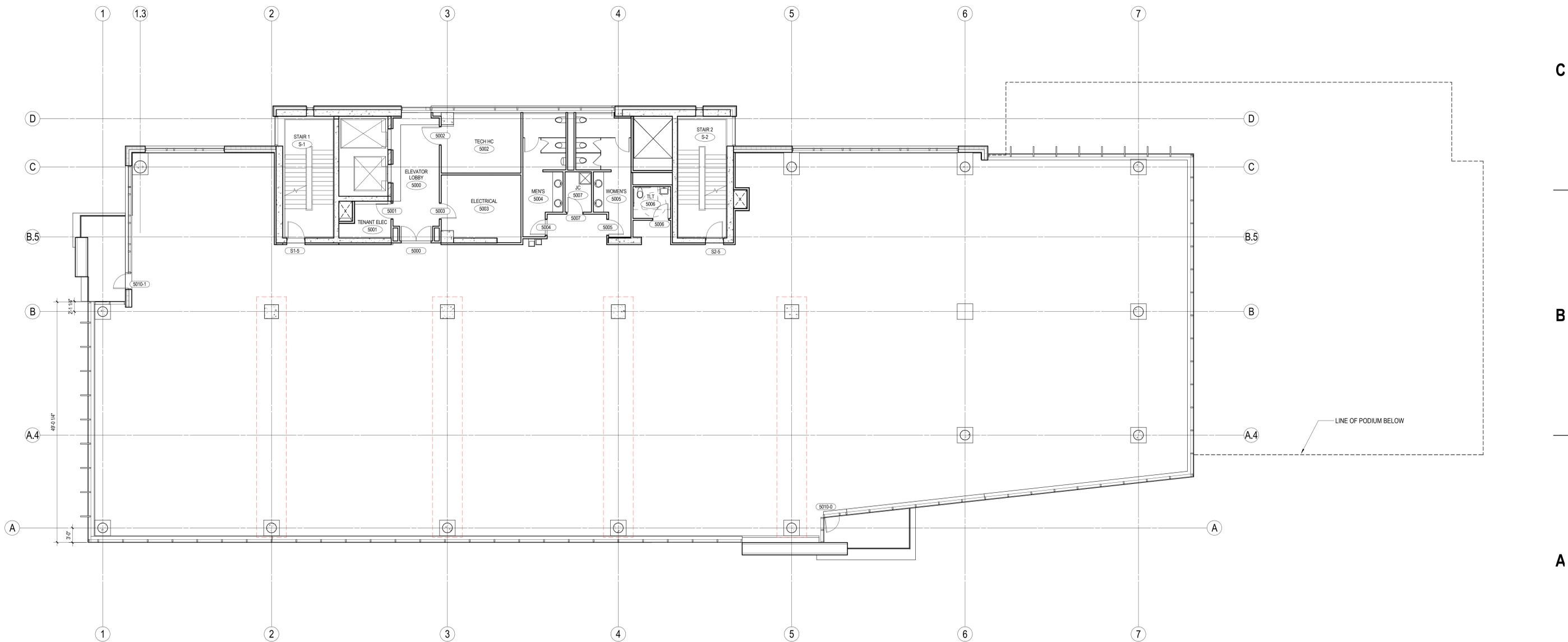
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KEYNOTES PER SHEET



- 12" HIGH RAISED FLOOR
- RAISED CONCRETE FLOOR - 4" CONCRETE TOPPING WITH HIGH DENSITY FOAM FILL
- ROOF DECKING PAVERS
- SLAB-ON-GRADE AT 100'-0"
- GREEN ROOF

**D2** TYP FLOOR PLAN - 5TH THRU 8TH FLOOR - RAISED FLOOR - PRICING  
1/16" = 1'-0"



**A5** FIFTH FLOOR PLAN  
1/8" = 1'-0"



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800 E. WASHINGTON AVENUE  
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PROJECT NUMBER: 215562-01  
PROJECT MANAGER: TS

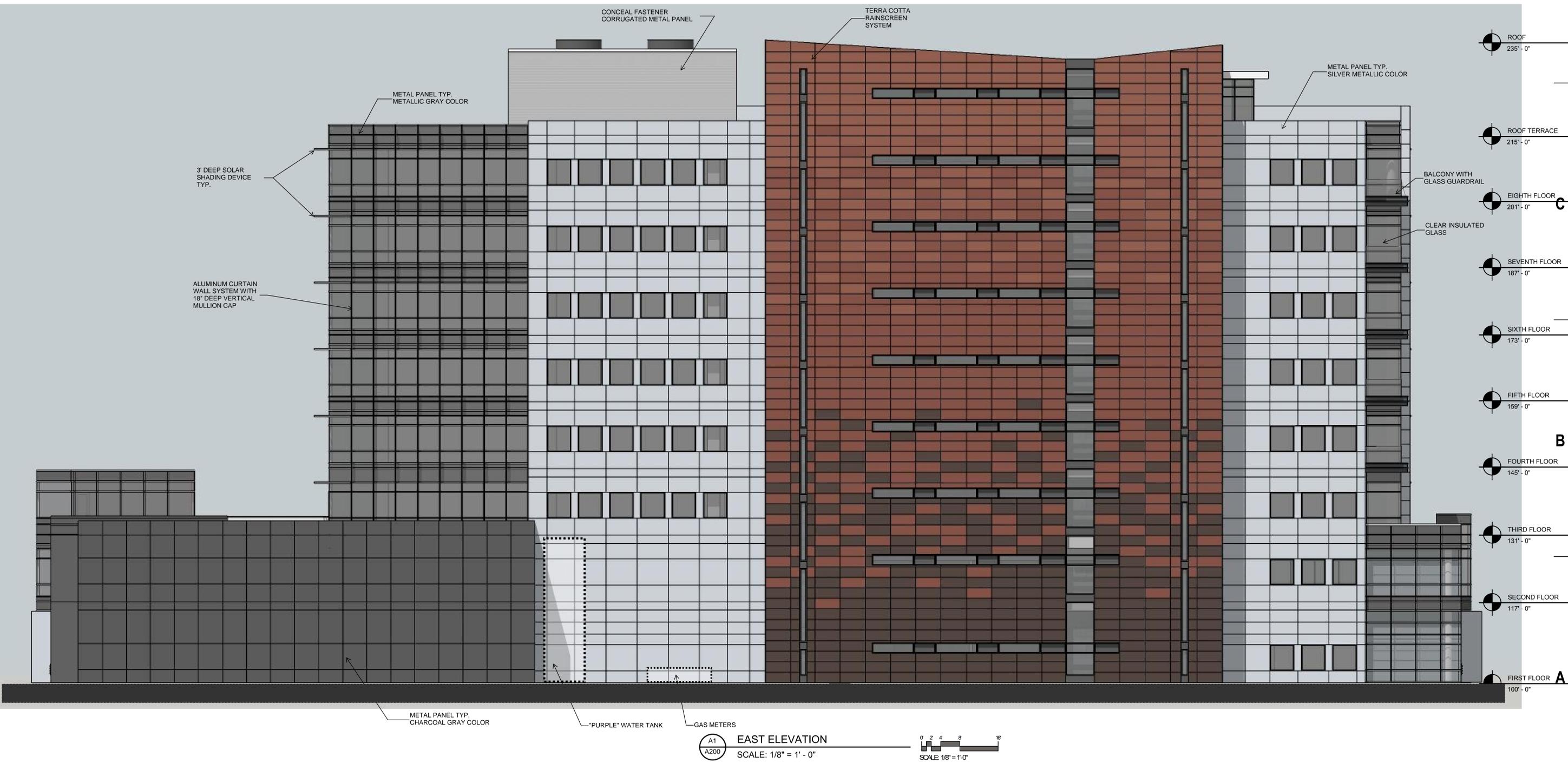
SHEET INFORMATION

DATE: NOVEMBER 16, 2016

SHEET NAME: TYPICAL FOURTH TO EIGHTH FLOOR PLAN  
**A105**

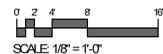
SHEET NUMBER:

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A1  
A200

EAST ELEVATION  
SCALE: 1/8" = 1' - 0"



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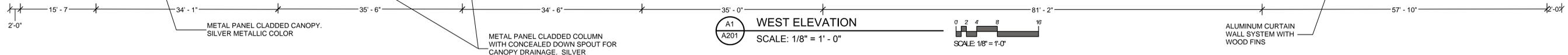
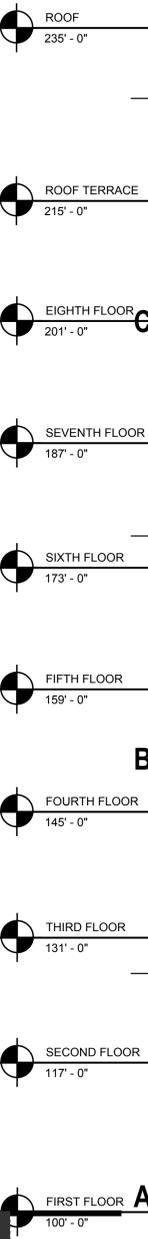
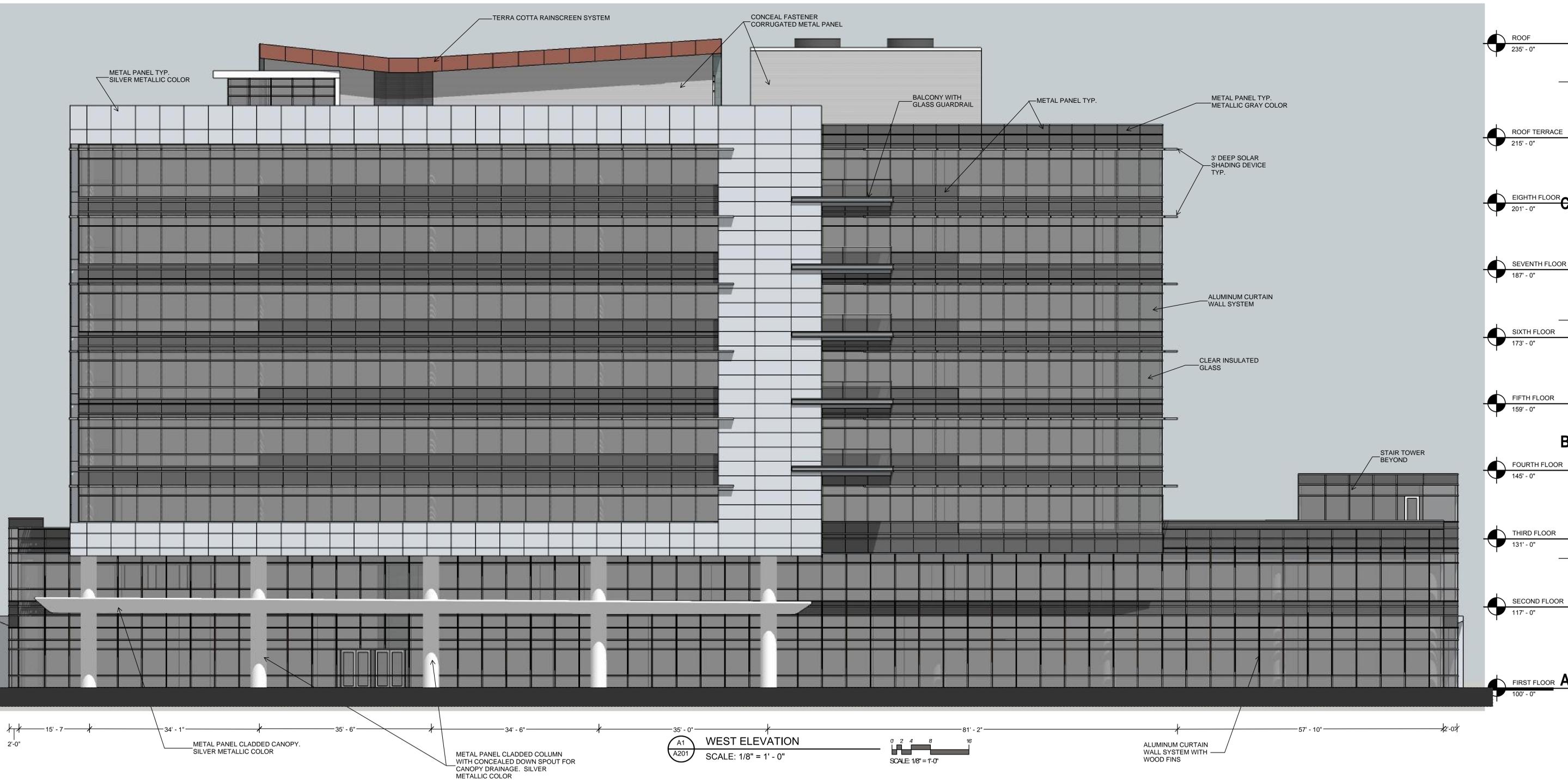
PROJECT NUMBER: 215562-01  
PROJECT MANAGER: TS

SHEET INFORMATION

DATE: NOVEMBER 16, 2016

SHEET NAME: EXTERIOR ELEVATIONS

SHEET NUMBER: **A200**



**WEST ELEVATION**  
SCALE: 1/8" = 1' - 0"



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ISSUANCE AND REVISIONS

UDC INITIAL / FINAL  
SUPPLEMENTAL

#	DATE	DESCRIPTION

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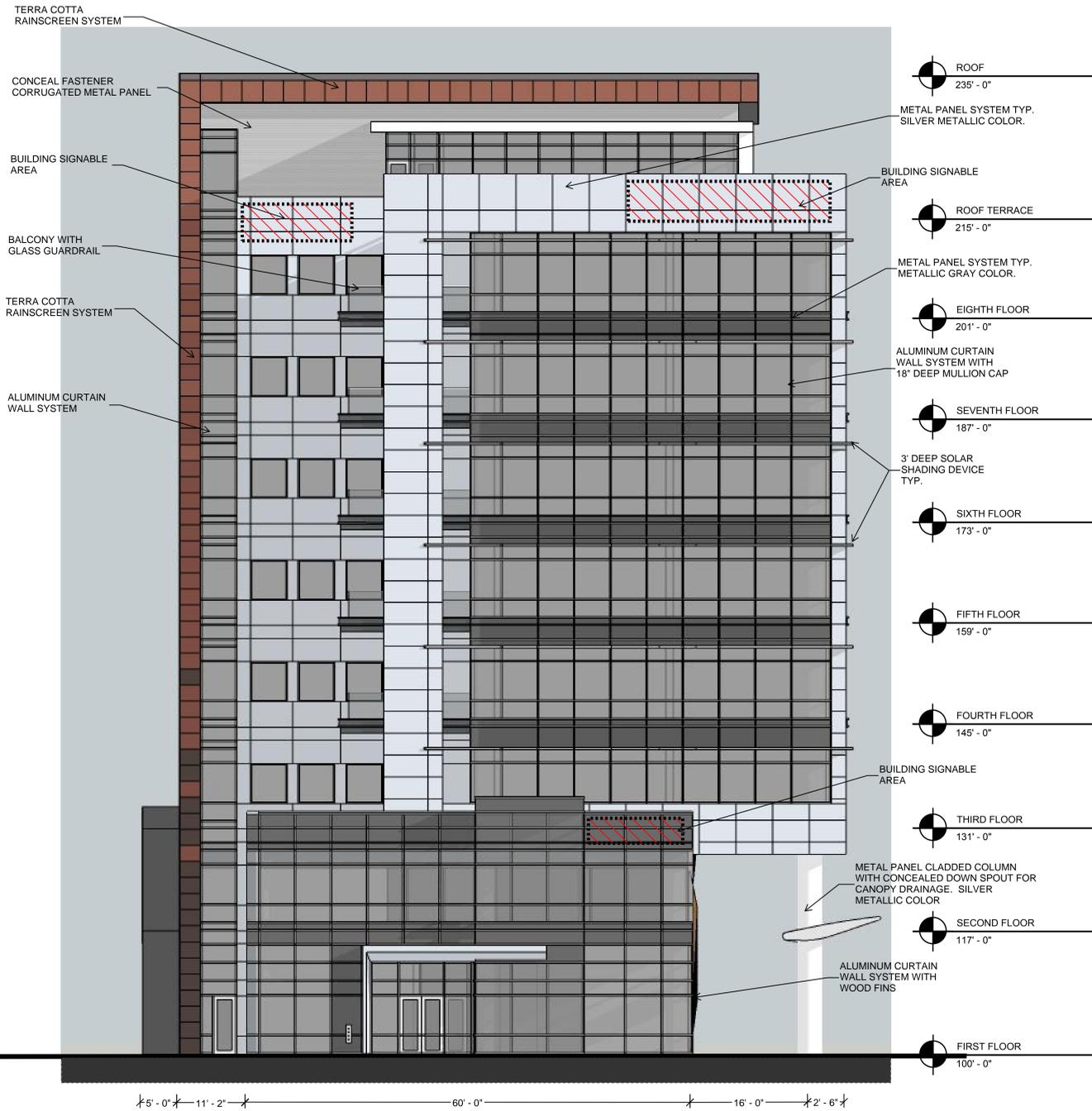
PROJECT INFORMATION  
**AMERICAN FAMILY INSURANCE - THE SPARK**

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MADISON, WI

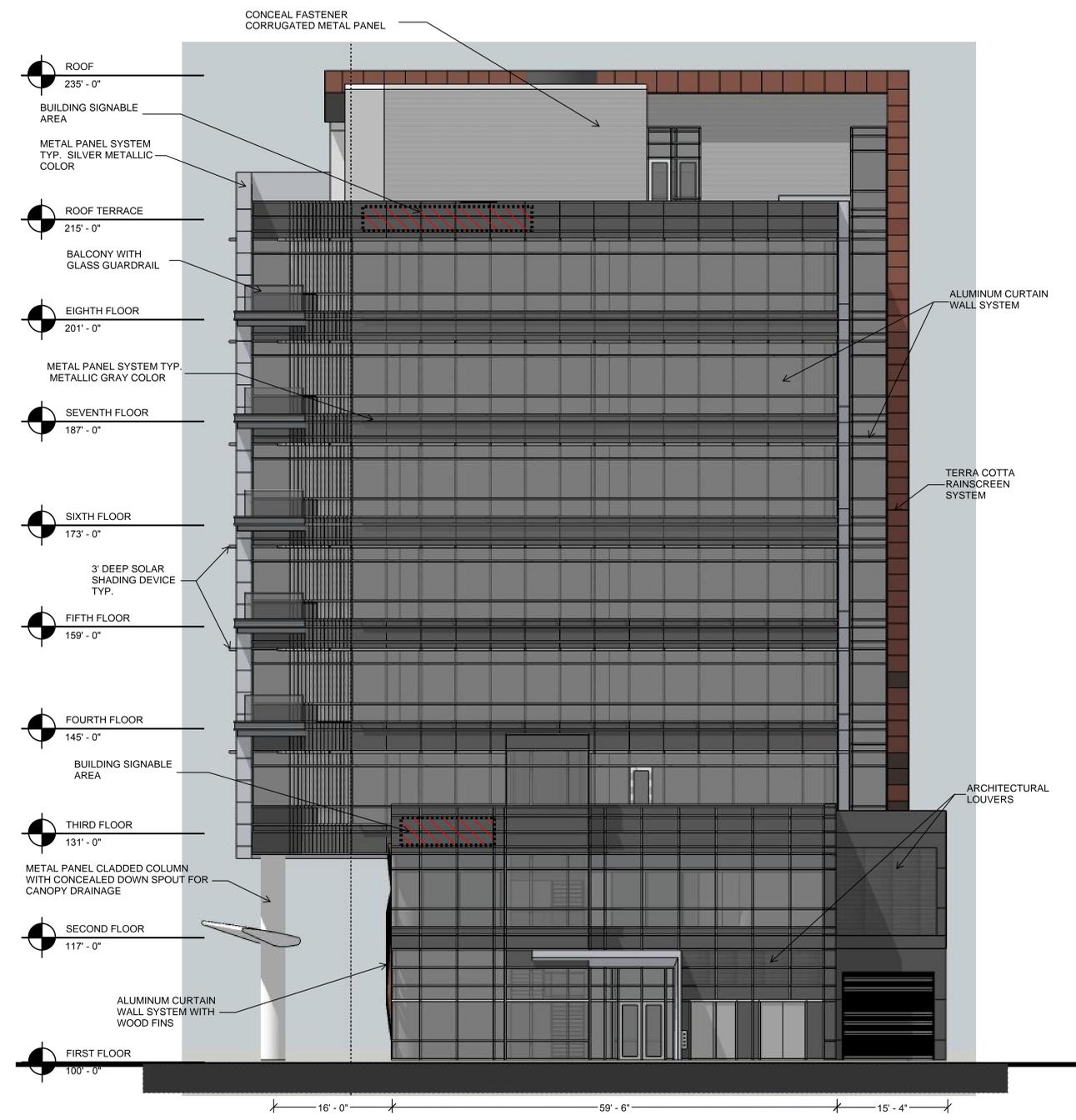
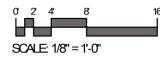
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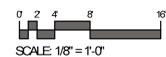
SHEET NAME: EXTERIOR ELEVATIONS  
SHEET NUMBER: **A201**



**A1**  
**A202** NORTH ELEVATION  
SCALE: 1/8" = 1'-0"



**A5**  
**A202** SOUTH ELEVATION  
SCALE: 1/8" = 1'-0"



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**madison** 309 West Johnson Street, Suite 202  
Madison, Wisconsin 53703  
telephone 608.442.5350

KEY PLAN



ISSUANCE AND REVISIONS

UDC INITIAL / FINAL  
SUPPLEMENTAL

#	DATE	DESCRIPTION
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**PROGRESS DOCUMENTS  
NOT FOR CONSTRUCTION**

These documents reflect progress and intent and may be subject to change, including additional detail. These are not final construction documents and should not be used for final bidding or construction-related purposes.

PROJECT INFORMATION

AMERICAN FAMILY INSURANCE - THE SPARK

800 E. WASHINGTON AVENUE  
MADISON, WI

PROJECT NUMBER: 215562-01  
PROJECT MANAGER: TS

SHEET INFORMATION

DATE: NOVEMBER 16, 2016

SHEET NAME: EXTERIOR ELEVATIONS  
**A202**  
SHEET NUMBER:

# Portfolio

## DESCRIPTION

8-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. Offered with 1000-15,000 lumens with color temperatures of 2700K, 3000K, 3500K, 4000K available in 80 or 90 CRI.

## SPECIFICATION FEATURES

**Lower Shielding Reflector**  
Self-flanged, spun .060" 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**  
Lower reflector is retained with two torsion springs holding the flange tightly to the finished ceiling surface.

**Plaster Frame / Collar**  
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**  
Forged aluminum heat sink conducts heat away from the LED module for improved performance and longer life.

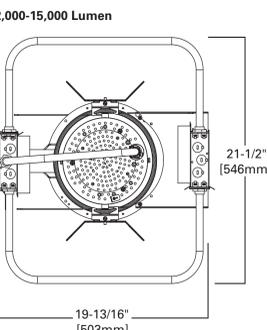
**LED**  
LED system contains a plurality of high brightness white LED's combined with a high reflectance upper reflector and convex transitional lens producing even distribution with no pixilation. Rated for 50,000 hours at 70% lumen maintenance. Color variation within 3-step MacAdam ellipses. Flexible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

**Driver**  
Combination 0-10V/trailing edge 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. 1000, 1500, 2000 lumen utilize one driver. 3000-10,000 utilize two drivers, 12,000-15,000 lumen utilizes three drivers.

**Code Compliance**  
Thermally protected and cULus listed for protected wet locations. cCSAus certified. 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. 8000 lumen and above are marked spacing and must follow spacing requirements.

**Warranty**  
5-year warranty.



Distribution	Height
Narrow	9-1/16"
Medium	8-5/8"
Wide	7-7/8"

Catalog #	Type
	<b>S1 &amp; S1A (sim)</b>
Project	Date
Comments	
Prepared by	



**LD8A ER8A 8L**  
1,000-15,000 Lumen LED

8-Inch Narrow, Medium, or Wide Downlight New Construction

# Portfolio

## 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**  
Lower 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.

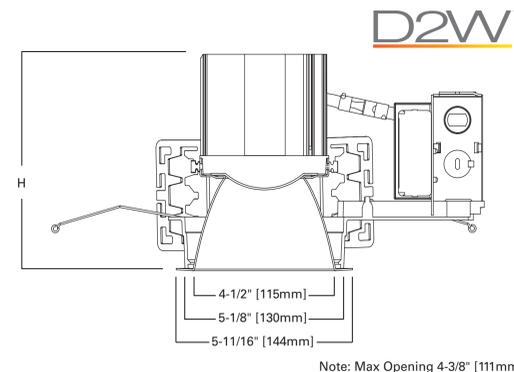
**Code Compliance**  
Thermally protected and cULus listed for protected wet locations. IP66 rated when used with IP66 gasket kit accessory. Optional City of Chicago environmental air (CCEA) marking for plenum applications. EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits. Non-IC rated - 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.

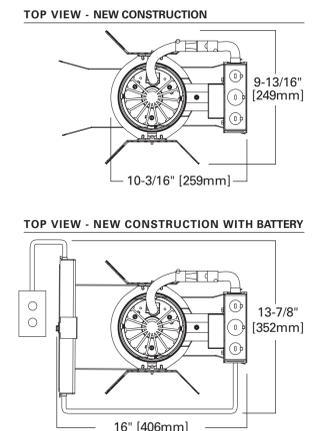


**LD4A09 LD4A13 LD4A18 LD4A28 4L**  
900, 1300 Lumen LED  
1800, 2800 Lumen LED

4-Inch Narrow, Medium, or Wide Beam Downlight New Construction



Distribution	Lumens	Height
Narrow	900/1300	5-7/16"
Medium	900/1300	5-11/16"
Wide	900/1300	5-3/16"
Narrow	1800/2800	7-7/16"
Medium	1800/2800	7-11/16"
Wide	1800/2800	7-3/16"



Refer to ENERGY STAR® Qualified Products List.



ADP110786  
2016-06-17 09:08:51



Refer to ENERGY STAR® Qualified Products List.



ADP130411  
2016-06-17 10:21:25



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PROJECT MANAGER: TS

## SHEET INFORMATION

DATE: NOVEMBER 16, 2016

SHEET NAME:

SHEET NUMBER:

LIGHT FIXTURE CUT SHEETS

**ES 103**

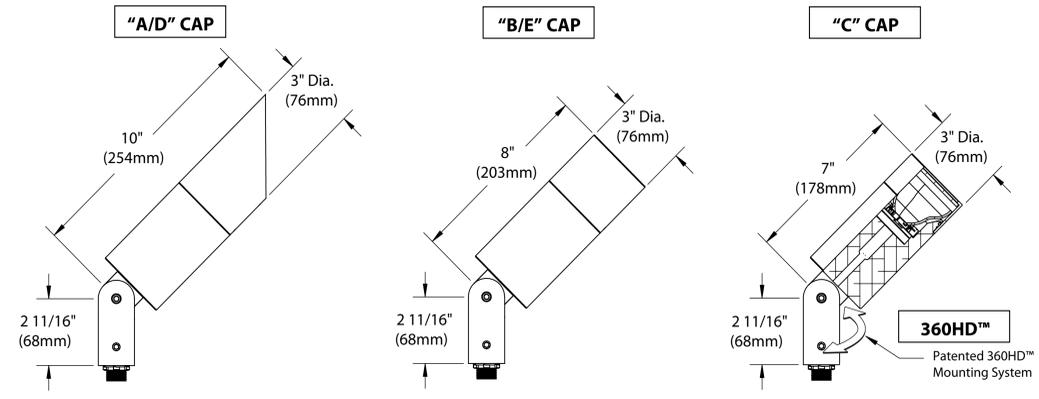


18-29W LED



# DENALI SERIES™ FLOODLIGHT

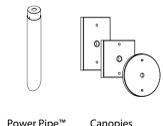
PROJECT:	
TYPE:	<b>S3, S3A, S3B</b>



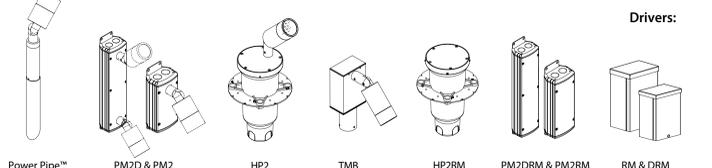
All dimensions indicated on this submittal are nominal. Contact Technical Sales if you require more stringent specifications.

### Accessories (Configure separately)

#### Mounting:



#### Drivers (Configure separately)



## SPECIFICATIONS

### GreenSource Initiative™

Metal and packaging components are made from recycled materials. Manufactured using renewable solar energy, produced on site. Returnable to manufacturer at end of life to ensure cradle-to-cradle handling. Packaging contains no chlorofluorocarbons (CFC's). Use of this product may qualify for GreenSource efficacy and recycling rebate(s). Consult [www.bklighting.com/greensource](http://www.bklighting.com/greensource) for program requirements.

### Materials

Furnished in Copper-Free Aluminum (Type 6061-T6).

### Body

Fully machined from solid billet. Unibody design provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.

### Knuckle

Patented 360HD™ Mounting System features a mechanical taper-lock, which allows a full 180° vertical adjustment without the use of serrated teeth, which inherently limit aiming. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lb. static load prior to movement to ensure decades of optical alignment. 1/2" pipe thread for mounting. Biaxial source control additionally provides 360° horizontal rotation in addition to vertical adjustment. 'Aim-And-Lock' Technology allows precision adjustment without the redundant tightening and loosening of knuckle screw.

### Cap

Fully machined. Accommodates [2] lens or louvre media. Choose from 45° cutoff ('A' or 'D'), 1" deep bezel with 90° cutoff ('B' or 'E') or flush lens ('C') cap styles. 'A' and 'B' caps include weep-hole for water and debris drainage. 'D' and 'E' caps exclude weep-hole and are for interior use only.

### Lens

Shock resistant, tempered, glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment.

### BKSSL®

Integrated solid state system with 'x' technology is scalable for field upgrade. Modular design with electrical quick disconnects permit field maintenance.

### LM-80 certified.

Minimum 50,000 hour rated life at 70% of initial lumens (L70). BKSSL technology provides long life, significant energy reduction and exceptional thermal management.

### Color Management

Corrected cold phosphor technology delivers near-perfect natural white light. Long term phosphor maintenance over product life. Exact color point conformity exceeds ANSI C78.377 standard. Provides uniform beam with no color variation over angle. Module exceeds 80 CRI (RA>80, R9>16).

### Remote Driver

For use with remote LED driver. See remote driver submittal to determine remote distance and wiring requirements prior to detailing field installation of any remote wiring.

### Optics

Interchangeable OPTIKIT™ modules permit field changes to optical distribution.

### Wiring

Teflon™ coated, 18AWG, 600V, 250° C rated and certified to UL 1659 standard.

### Hardware

Tamper-resistant, stainless steel hardware. 360HD™ hardware is additionally black oxide treated for additional corrosion resistance.

### Finish

StarGuard®, our exclusive RoHS compliant, 15 stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating.

### Warranty

5 year limited warranty.

### Certification and Listing

ITL tested to IESNA LM-79. Lighting Facts Registration per USDOE ([www.lightingfacts.com](http://www.lightingfacts.com)). ETL Listed to ANSI/UL Standards 1598, 8750 and Certified to CAN/CSA Standard C22.2 No. 250. RoHS compliant. Suitable for indoor or outdoor use. Suitable for use in wet locations. Additionally suitable for installation within 4' of the ground. IP66 Rated. Made in USA.



\*Teflon is a registered trademark of DuPont Corporation.  
\*Energy Star is a registered trademark of the United States Environmental Protection Agency.

<b>B-K LIGHTING</b>	40429 Brickyard Drive • Madera, CA 93636 • USA 559.438.5800 • FAX 559.438.5900 <a href="http://www.bklighting.com">www.bklighting.com</a> • <a href="mailto:info@bklighting.com">info@bklighting.com</a>	SUBMITTAL DATE 12-16-14	DRAWING NUMBER SUB001113
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360HD Patent is covered in whole or in part by U.S. Patent No. 6,161,948

## wet BEAM4 LED RECESSED MOUNT

ÉCLAIRAGE 1.800.263.AXIS  
axis LIGHTING [T] 514.948.6272 [F] 514.948.6271 www.axislighting.com

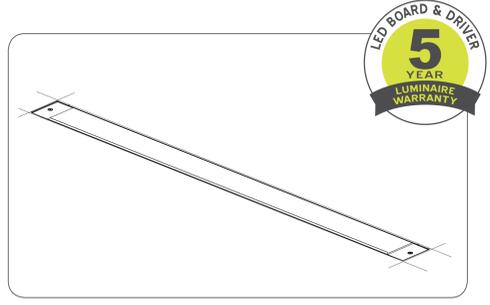
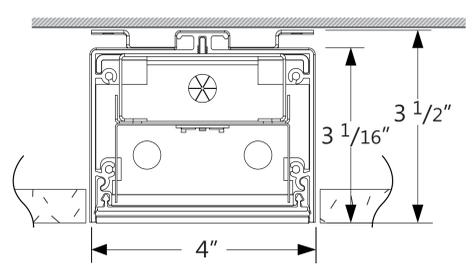
### PROJECT INFORMATION

Project:

Type: **S4**

Notes:

### DIMENSIONS - SECTION VIEWS



### PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
500 lm/ft	5.5 W/ft	91 lm/W
750 lm/ft	8.3 W/ft	90 lm/W

Please consult factory for custom lumen output and wattage.



### ORDERING CODE

WBRLED	B3	MF	500	80	30	S	X	XX	UNV	D	1	X	X	X
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>

### PRODUCT SPECIFICATIONS

1 PRODUCT ID	2 VERSION	3 LIGHT ENGINE	4 NOM.LUMENS/FT	5 CRI	6 COLOR TEMP.	7 SHIELDING	8 LENGTH (FT)
WBRLED recessed led	B3 B3 version	MF mid flex LED	500 500 lm/ft 750 750 lm/ft	80 80 CRI 90 90 CRI (1)	30 3000 K 35 3500 K 40 4000 K	5 satin lens	2 2' 3 3' 4 4' 5 5' 8 8' S# System Run

9 FINISH	10 VOLTAGE	11 DRIVER	12 CIRCUITS	13 BATTERY (OPTIONAL)
AP aluminum paint W white C custom	120 120 V 277 277 V 347 347 V UNV universal	D dimming (0-10V) standard (2) DP dimming (0-10V) 1% LT lutron (3) BI bi-level dimming (4) O other (5)	1 1 circuit 2 2 circuits +E(#) emergency circuit(6) +NL(#) night light circuit(6) +GTD(#) generator transfer device(6)	B# battery pack (integral)  Requires 120V or 277V Please consult factory

14 OTHER (OPTIONAL)	15 CUSTOM (OPTIONAL)
F fuse (7) TF top feed EF end feed (7) Requires 120V or 277V	C custom Please specify

FILE NAME:WBR.LED-B3.SPEC March 1, 2016

Product design and development is an ongoing process at Axis Lighting. We reserve the right to change specifications. Contact Axis for the latest product information. © 2011 Axis Lighting Inc. Page: 1 / 4



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PROJECT MANAGER: TS

### SHEET INFORMATION

DATE: NOVEMBER 16, 2016

SHEET NAME:

LIGHT FIXTURE CUT SHEETS

**ES 104**

SHEET NUMBER:

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epstein uhen : architects

wet **BEAM4** LED WALL MOUNT

ÉCLAIRAGE  
**axis**  
LIGHTING 1.800.263.AXIS  
[T] 514.948.6272  
[F] 514.948.6271  
www.axislighting.com

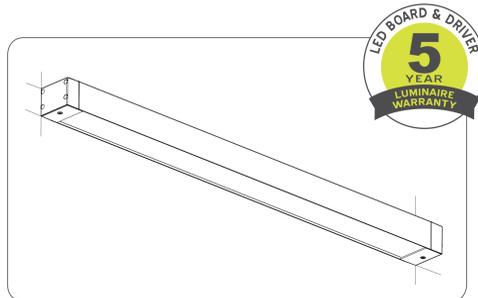
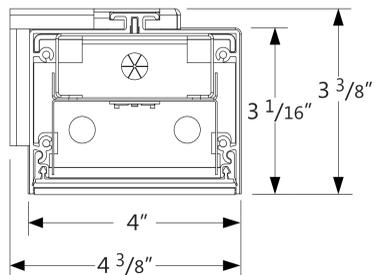
● PROJECT INFORMATION

Project: \_\_\_\_\_

Type: **S5**

Notes: Mullion Mounted

● DIMENSIONS -SECTION VIEWS



PERFORMANCE PER LINEAR FOOT AT 3500K

NOMINAL LUMEN OUTPUT	INPUT WATTS*	EFFICACY
500 lm/ft	5.5 W/ft	91 lm/W
750 lm/ft	8.3 W/ft	90 lm/W

Please consult factory for custom lumen output and wattage.



● ORDERING CODE

WBWLED	B3	MF	500	80	30	S	6	X	UNV	D	I		X	X	X
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	

● PRODUCT SPECIFICATIONS

1 PRODUCT ID	2 VERSION	3 LIGHT ENGINE	4 NOM.LUMENS/FT	5 CRI	6 COLOR TEMP.	7 SHIELDING	8 LENGTH (FT)
WBWLED wall direct led	B3 B3 version	MF mid flex LED	500 500 lm/ft 750 750 lm/ft	80 80 CRI 90 90 CRI (1)	30 3000 K 35 3500 K 40 4000 K	S satin lens	2 2' 3 3' 4 4' 5 5' 8 8' S# System Run

9 FINISH	10 VOLTAGE	11 DRIVER	12 CIRCUITS	13 BATTERY (OPTIONAL)
AP aluminum paint W white BLK black C custom	120 120 V 277 277 V 347 347 V UNV universal	D dimming (0-10V) standard (2) DP dimming (0-10V) 1% LT lutron (3) BI bi-level dimming (4) O other (5)	1 1 circuit 2 2 circuits +E(#) emergency circuit(6) +NL(#) night light circuit(6) +GTD(#) generator transfer device(6)	B# battery pack (integral)  Requires 120V or 277V Please consult factory

14 OTHER (OPTIONAL)	15 CUSTOM (OPTIONAL)
F fuse (7) TF top feed EF end feed (7) Requires 120V or 277V	C custom Please specify

FILE NAME:WBWLED-B3.SPEC March 1, 2016

Product design and development is an ongoing process at Axis Lighting. We reserve the right to change specifications. Contact Axis for the latest product information. © 2011 Axis Lighting Inc. Page: 1 / 3



FEATURES & SPECIFICATIONS

INTENDED USE

Provides years of maintenance-free illumination for outdoor use in residential & commercial applications. Ideal for applications such as lighting walkways and stairways.

CONSTRUCTION

Cast-aluminum housing with corrosion-resistant paint in either dark bronze or white finish.

ADA compliant.

OPTICS

4000K CCT LEDs.

Polycarbonate lens protects the LED from moisture, dirt and other contaminants.

LUMEN MAINTENANCE: The LED will deliver 70% of its initial lumens at 50,000 hour average LED life. See Lighting Facts label on page 2 for performance details.

ELECTRICAL

MVOLT driver operates on any line voltage from 120-277V.

Operating temperature -30°C to 40°C.

1KV surge protection standard.

INSTALLATION

Surface mount to universal junction box (provided by others).

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations.

Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY

Five-year limited warranty.

Full warranty terms located at [www.AcuityBrands.com/CustomerResources/Terms\\_and\\_Conditions.aspx](http://www.AcuityBrands.com/CustomerResources/Terms_and_Conditions.aspx).

Note: Specifications are subject to change without notice.

Actual performance may differ as a result of end-user environment and application.

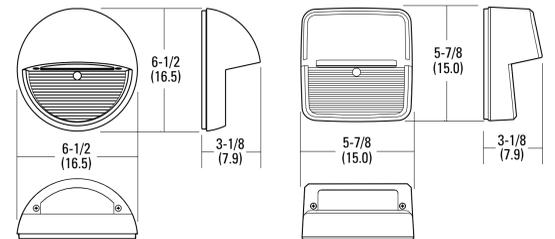
Catalog Number
Notes
Type <b>S6</b>

Outdoor General Purpose  
**OLSR & OLSS**  
LED STEP LIGHT



Specifications

All dimensions are inches (centimeters)



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: OLSS DDB

OLSS		XX	
Series	Color temperature (CCT)	Voltage	Finish
OLSR Step light round OLSS Step light square	(blank) 4000K	(blank) MVOLT (120V-277V)	DDB Dark bronze WH White

DECORATIVE INDOOR & OUTDOOR

OLSR-OLSS



eppstein uhen : architects

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PROJECT NUMBER: 215562-01  
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SHEET INFORMATION

DATE: NOVEMBER 16, 2016

LIGHT FIXTURE CUT SHEETS

**ES 105**

SHEET NAME:  
SHEET NUMBER:

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S7

.hess

### AGENA 720 LED Specification

Agena produces subtle indirect lighting from a simple post-top luminaire. Multiple rings encircle the etched glass lens allowing a warm glow to radiate outward. Three cast aluminum struts angle outward to support the concave spun aluminum secondary reflector, finished in high-reflectance paint. Signature stepped steel pole shows no visible seam and has flush handhole cover. Steel pole is hot-dip galvanized prior to being finished in finely textured paint. Spun aluminum base cover. Standard colors; matte silver grey metallic or graphite grey. Special colors available.



Model	Lamp	Color Temperature	Volt	Mounting	Pole	Finish	Option
AA720	LED	WW -3000K	UNV - 120-277V	A - Post Top	13SS - 13' Stepped Steel	SG - Silver Grey	DIM - 0-10vDC Dimming
		NW - 4000K		B - Twin Mount Aluminum	13SA - 13' Stepped	GG - Graphite Grey	N - None
					X - Other (specify)	CC - Custom Color	

#### Ordering Information

Specifications are subject to change without notification  
 HessAmerica > Products > Lighting Products > Pole Mounted Luminaire > AGENA  
[http://www.hessamerica.com/Products/Lighting/Pole\\_Mounted\\_Luminaire/AGENA/](http://www.hessamerica.com/Products/Lighting/Pole_Mounted_Luminaire/AGENA/)



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DATE: NOVEMBER 16, 2016

SHEET NAME: LIGHT FIXTURE CUT SHEETS

SHEET NUMBER: ES 106