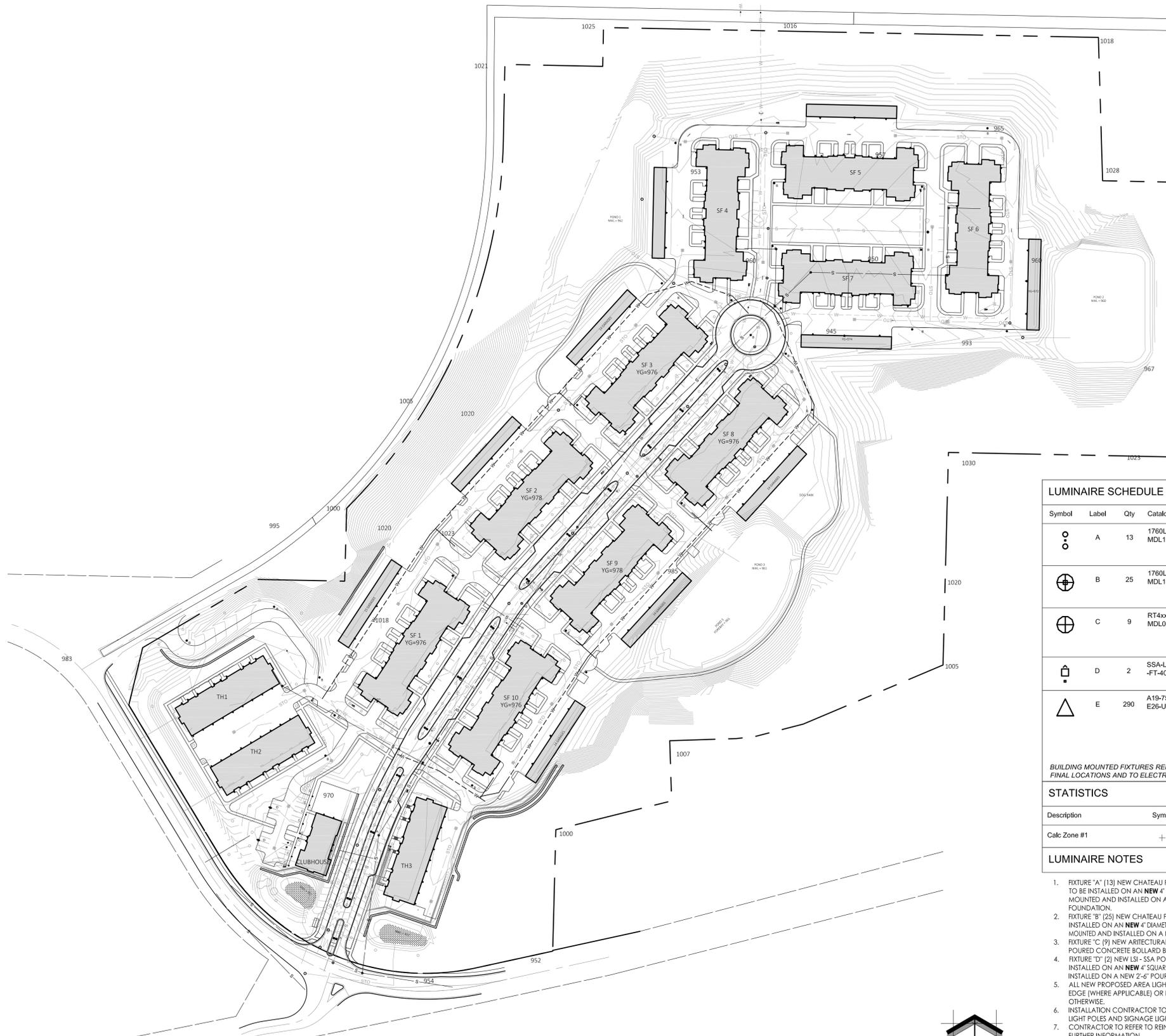


**Exhibit K**  
**Lighting Design**



**1 PROPOSED OVERALL LIGHT FIXTURE PLAN**

**PHOTOMETRIC PLAN GENERAL NOTES**

1. BASED ON THE INFORMATION PROVIDED, ALL DIMENSIONS AND LUMINAIRE LOCATIONS SHOWN REPRESENT RECOMMENDED POLE PLACEMENTS AND LUMINAIRE ORIENTATION. THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO RELEVANT FIELD CONDITIONS.
2. THE DEPICTED ILLUMINATION RESULTS ARE BASED UPON ILLUMINATION MEASUREMENTS AS CALCULATED BY AN INDEPENDENT LABORATORY. LUMINAIRE CHARACTERISTIC DATA WAS MEASURED UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH APPROVED ILLUMINATION ENGINEERING SOCIETY METHODS. ACTUAL ON-SITE PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRES MAY VARY FROM LABORATORY TEST RESULTS DUE TO VARIATIONS IN: ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, AND OTHER VARIABLE FIELD CONDITIONS.
3. IF EXISTING LUMINAIRES ARE INCLUDED IN THIS REPORT, THEIR ILLUMINATION CHARACTERISTICS ARE BASED UPON A COMBINATION OF CUSTOMER'S PROVIDED SPECIFICATIONS & OUR BEST ESTIMATION.
4. ALL EXISTING AND NEW CONCRETE LIGHT POLE BASES ARE TO HAVE ALL FORM MARKS REMOVED, GROUND FLUSH AND THE SURFACE IS TO BE PROPERLY PREPARED TO RECEIVE A HAND TROWELED, MASONRY SKIM COAT OF APPROPRIATE THICKNESS TO ACHIEVE A DURABLE SURFACE AND LONG LASTING AESTHETIC.

**EXISTING CONDITIONS GENERAL NOTES**

1. INFORMATION PERTAINING TO EXISTING CONDITIONS GIVEN ON THESE ARCHITECTURAL DRAWINGS REPRESENTS TO THE BEST OF OUR KNOWLEDGE THE ACTUAL EXISTING FIELD CONDITIONS. INSITE LANDSCAPE DESIGN, INC. MAKES NO WARRANTY AS TO THEIR ACCURACY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS IMPRATIVE TO THEIR NEW WORK. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT FOR REVIEW. ANY WORK PERFORMED PRIOR TO RESOLUTION OF DISCREPANCIES BY THE LANDSCAPE ARCHITECT IS SUBJECT TO REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST TO THE CONTRACT.
2. VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES I.E. WATER, SEWER, ELECTRICAL, TELECOMMUNICATION AND ACCESS PANELS FOR ALL UTILITIES AND ALL ASSOCIATED EQUIPMENT FOR ACCESSIBILITY OF THOSE ITEMS.
3. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ALIGNMENT OF WALLS. BRING ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECTS ATTENTION PRIOR TO FABRICATION / CONSTRUCTION BEGINS.

**LUMINAIRE SCHEDULE - HARTLAND QUARRY**

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
⊙	A	13	1760LEDH-1L40T3-MDL10-CA	1760LED Large Chateau Fixture, decorative rings, T3, Clear Acrylic, Hang Straight	Citizen COB, 40K	1760LEDH-1L40T3-MDL10-CA.IES	Absolute	1.00	116.2
⊕	B	25	1760LEDH-1L40T3-MDL10-CA	1760LED Large Chateau Fixture, decorative rings, T3, Clear Acrylic, Hang Straight	Citizen COB, 40K	1760LEDH-1L40T3-MDL10-CA.IES	Absolute	1.00	58.1
⊕	C	9	RT4xx-26L45T3-MDL05-CA	ARCHITECTURAL BOLLARD RT400 Series Riatta Light Column, Type 3, Clear Acrylic Lens	26 LEDs	RT436-26L45T3-MDL05-CA.IES	Absolute	1.00	46.8
⊕	D	2	SSA-LED-18L-ACR-FT-40			SSA-LED-18L-ACR-FT-40.ies	Absolute	1.00	151
△	E	290	A19-75W-P1-27K-E26-U1	Building Mounted Sconce with 75W equivalent, A19 screw base Lamp, with white opaque dome lens covering LED array, Rated 5.5 watt dimmable, 2700K CCT	SSC base up Serial Number: PL13057-001	A19-75W-P1-xxK-E26-U1_PL13057-001A.ies	Absolute	1.00	11.8

BUILDING MOUNTED FIXTURES REFER TO ARCHITECTURAL DRAWING FOR MOUNTING HEIGHTS AND FINAL LOCATIONS AND TO ELECTRICAL DRAWINGS FOR FURTHER INFORMATION

**STATISTICS**

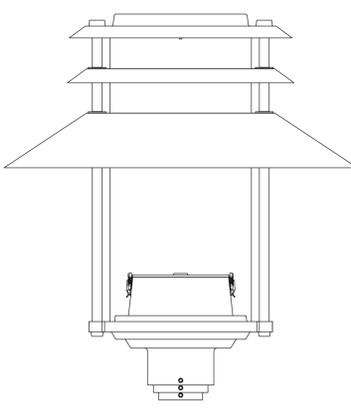
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc. Zone #1	+	0.3 fc	14.8 fc	0.0 fc	N / A	N / A

**LUMINAIRE NOTES**

1. FIXTURE "A" (13) NEW CHATEAU POST TOP MOUNTED POLE FIXTURES (TWIN HEAD AND ARMS) TO BE INSTALLED ON AN NEW 4" DIAMETER x 14'-0" STRAIGHT SMOOTH ROUND POLE WITH BLACK FINISH, MOUNTED AND INSTALLED ON A NEW 0'-6" POURED CONCRETE LIGHT POLE BASE FOUNDATION.
2. FIXTURE "B" (25) NEW CHATEAU POST TOP MOUNTED POLE FIXTURES (SINGLE HEAD) TO BE INSTALLED ON AN NEW 4" DIAMETER x 14'-0" STRAIGHT SMOOTH ROUND POLE WITH A BLACK FINISH, MOUNTED AND INSTALLED ON A NEW 2'-4" POURED CONCRETE LIGHT POLE BASE FOUNDATION.
3. FIXTURE "C" (9) NEW ARCHITECTURAL BOLLARD TO BE MOUNTED AND INSTALLED ON A NEW 0'-6" POURED CONCRETE BOLLARD BASE FOUNDATION.
4. FIXTURE "D" (2) NEW LSI - SSA POLE MOUNTED FIXTURE (SINGLE HEAD AND ARM) TO BE INSTALLED ON AN NEW 4" SQUARE x 20'-0" STRAIGHT POLE WITH A BLACK FINISH, MOUNTED AND INSTALLED ON A NEW 2'-6" POURED CONCRETE LIGHT POLE BASE FOUNDATION.
5. ALL NEW PROPOSED AREA LIGHT POLES SHALL BE LOCATED 3'-0" FROM BACK OF CURB TO THE EDGE (WHERE APPLICABLE) OR FACE OF THE REINFORCED LIGHT POLE BASE, UNLESS NOTED OTHERWISE.
6. INSTALLATION CONTRACTOR TO REFER TO ELECTRICAL PLANS FOR CONDUIT ROUTING OF LIGHT POLES AND SIGNAGE LIGHTING CONTROL AND WIRING.
7. CONTRACTOR TO REFER TO REINFORCED LIGHT POLE BASE SECTIONS AND DETAILS FOR FURTHER INFORMATION.
8. ALL NEW CONCRETE LIGHT POLE BASES ARE TO HAVE ALL EXPOSED FORM MARKS REMOVED, GROUND FLUSH AND THE SURFACE IS TO BE PROPERLY PREPARED TO RECEIVE A HAND TROWELED, MASONRY SKIM COAT OF APPROPRIATE THICKNESS TO ACHIEVE A DURABLE SURFACE AND LONG LASTING AESTHETIC.
9. ALL BUILDING MOUNTED LIGHT FIXTURES ARE FOR REFERENCE ONLY AND ARE TO BE COORDINATED WITH THE ARCHITECTURAL ELEVATIONS AND ELECTRICAL DRAWINGS FOR EXACT MOUNTING HEIGHTS, LOCATIONS AND QUANTITIES.

THIS LIGHTING PLAN REPRESENTS ILLUMINATION LEVELS ARE CALCULATED VALUES INCLUDE DIRECT AND INTER-REFLECTED COMPONENTS.

THIS LIGHTING PLAN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH THE ILLUMINATING ENGINEERING SOCIETY (IES) APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRES MAY VARY DUE TO CHANGES IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS/LED'S AND OTHER MAY VARY DUE TO CHANGES IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS/LED'S AND OTHER VARIABLE FIELD CONDITIONS. CALCULATIONS DO NOT INCLUDE OBSTRUCTIONS SUCH AS BUILDINGS CURBS, LANDSCAPING, OR ANY OTHER ARCHITECTURAL ELEMENTS UNLESS NOTED.



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11525 W. North Avenue, Suite 1B  
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www.insitedesigninc.com  
mdavis@insitedesigninc.com

Project:  
**HARTLAND QUARRY DEVELOPMENT**  
700 W. Capitol Drive  
Hartland, WI 53029

**Issuance and Revisions:**

Date	Number	Description
06/30/23		Client Review Submittal

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Sheet Title:  
**PROPOSED OVERALL LIGHT FIXTURE PLAN, GENERAL NOTES, AND LIGHT FIXTURE TABLE**

Date of Drawing: 06/30/23  
Scale: 1" = 100'-0"  
Drawn By: MCD  
Job Number: L23-043  
Sheet Number:

**PHO1.1**

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN  
**DIGGERS HOTLINE**  
WISCONSIN STATUTE 182.0175 (1974) REQUIRES A MINIMUM OF 3 DAYS NOTICE BEFORE YOU EXCAVATE (NOT INCLUDING SATURDAY, SUNDAY OR LEGAL HOLIDAYS)

UNDERGROUND SEWER AND UTILITY INFORMATION AS SHOWN IS OBTAINED FROM THE RECORDS OF MUNICIPALITY AND LOCAL UTILITY COMPANIES. THE ACCURACY OF WHICH CAN NOT BE GUARANTEED OR CERTIFIED TO. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS SURVEY ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

TO OBTAIN LOCATION OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN CALL THE MILWAUKEE UTILITY ALERT NETWORK  
www.diggershotline.com (800) 242-8511 OR  
**811**  
Know what's below. Call 811 before you dig.

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Project:  
**HARTLAND QUARRY DEVELOPMENT**  
700 W. Capitol Drive  
Hartland, WI 53029

Issuance and Revisions:

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Sheet Title:  
**PROPOSED PARTIAL PHOTOMETRIC  
LIGHT LEVEL CALCULATIONS PLAN**

Date of Drawing: 06/30/23  
Scale: 1" = 30'-0"  
Drawn By: MCD  
Job Number: L23-043  
Sheet Number:

**PHO1.2**

1 PROPOSED PARTIAL PHOTOMETRIC LIGHT LEVELS CALCULATIONS PLAN

SCALE: 1" = 30'-0"



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LUMINAIRE SCHEDULE - HARTLAND QUARRY									
Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
○	A	13	1760LEDH-1L40T3-MDL10-CA	1760LED Large Chateau Fixture, decorative rings, T3, Clear Acrylic, Hang Straight	Citizen COB, 40K	1760LEDH-1L40T3-MDL10-CA.IES	Absolute	1.00	116.2
⊕	B	25	1760LEDH-1L40T3-MDL10-CA	1760LED Large Chateau Fixture, decorative rings, T3, Clear Acrylic, Hang Straight	Citizen COB, 40K	1760LEDH-1L40T3-MDL10-CA.IES	Absolute	1.00	58.1
⊕	C	9	RT4xx-26L45T3-MDL05-CA	ARCHITECTURAL BOLLARD RT400 Series Rialta Light Column, Type 3, Clear Acrylic Lens	26 LEDs	RT436-26L45T3-MDL05-CA.IES	Absolute	1.00	46.8
⌚	D	2	SSA-LED-18L-ACR-FT-40			SSA-LED-18L-ACR-FT-40.ies	Absolute	1.00	151
△	E	290	A19-75W-P1-27K-E26-U1	Building Mounted Sconce with 75W equivalent, A19 screw base Lamp, with white opaque dome lens covering LED array, Rated 5.5 watt dimmable, 2700K CCT	SSC base up Serial Number: PL13057-001	A19-75W-P1-xxK-E26-U1_PL13057-001A.ies	Absolute	1.00	11.8

BUILDING MOUNTED FIXTURES REFER TO ARCHITECTURAL DRAWING FOR MOUNTING HEIGHTS AND FINAL LOCATIONS AND TO ELECTRICAL DRAWINGS FOR FURTHER INFORMATION

**INSITE**  
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mdavis@insitedesigninc.com

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Issuance and Revisions:

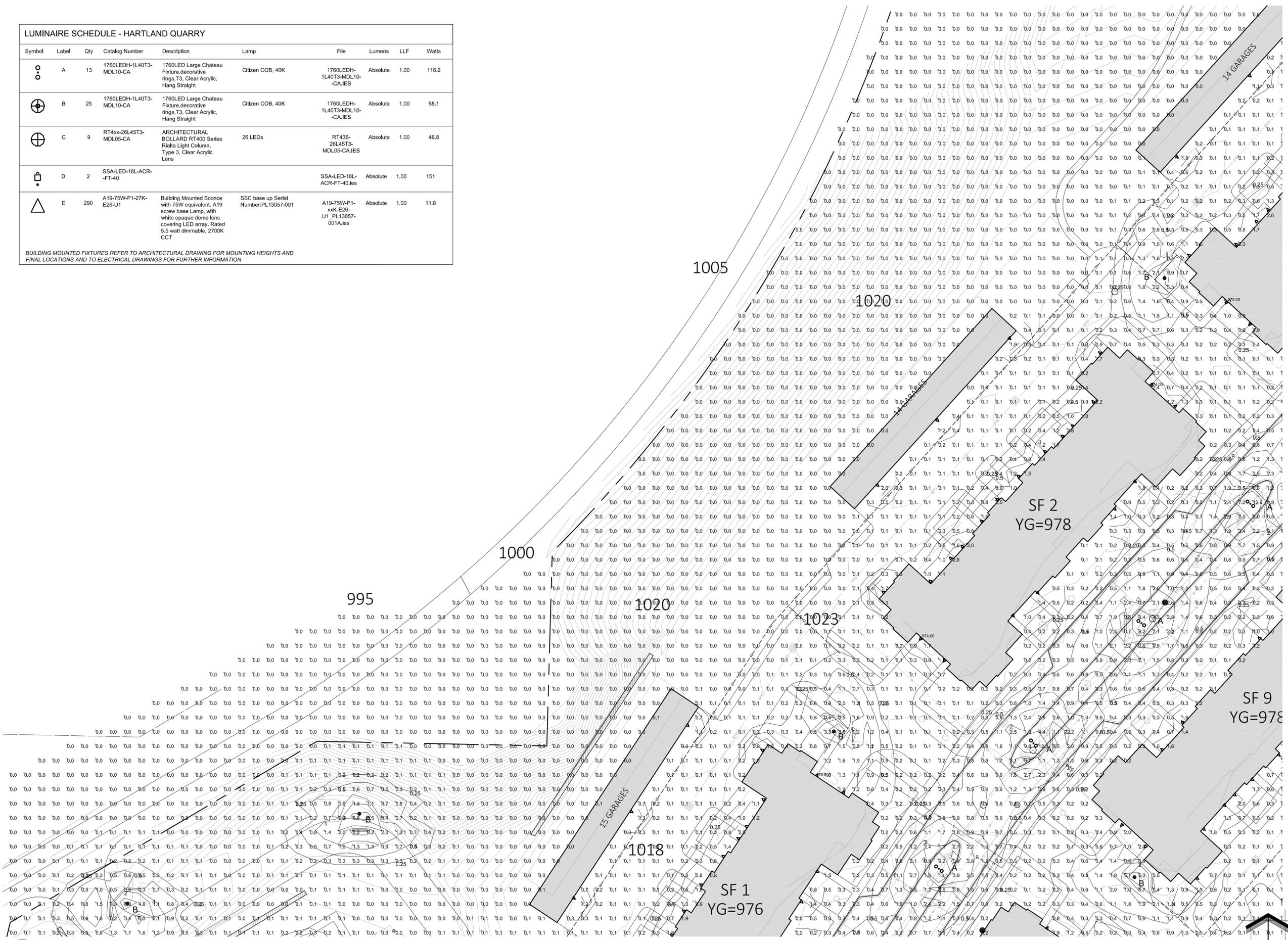
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Sheet Title:  
**PROPOSED PARTIAL PHOTOMETRIC LIGHT LEVEL CALCULATIONS PLAN**

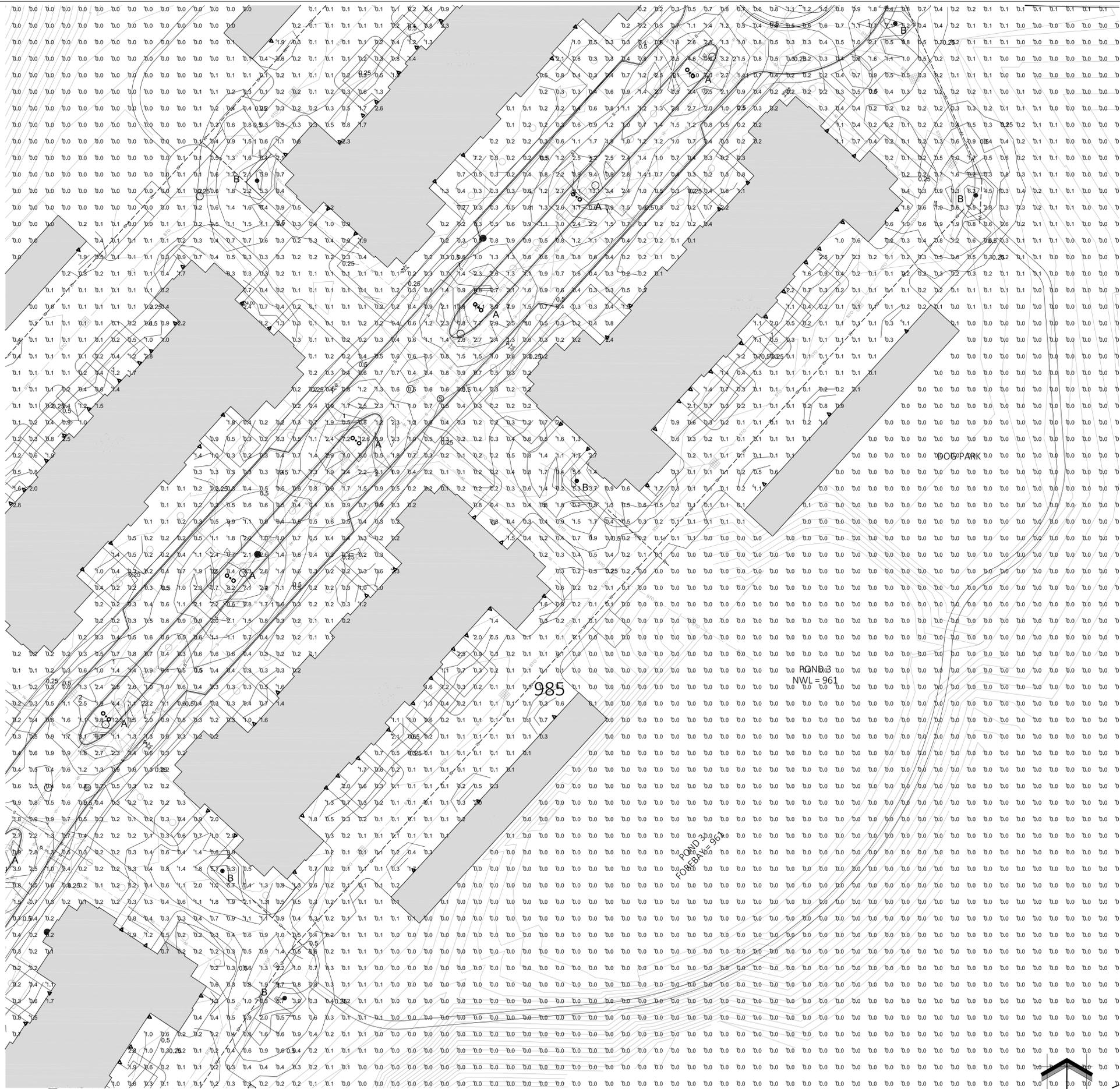
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Scale: 1" = 30'-0"  
Drawn By: MCD  
Job Number: L23-043  
Sheet Number:

**PHO1.3**



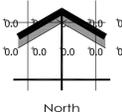
1 PROPOSED PARTIAL PHOTOMETRIC LIGHT LEVELS CALCULATIONS PLAN

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1 PROPOSED PARTIAL PHOTOMETRIC LIGHT LEVELS CALCULATIONS PLAN

SCALE: 1" = 30'-0"



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Sheet Title:  
PROPOSED PARTIAL PHOTOMETRIC LIGHT LEVEL CALCULATIONS PLAN

Date of Drawing: 06/30/23  
Scale: 1" = 30'-0"  
Drawn By: MCD  
Job Number: L23-043  
Sheet Number:

**PHO1.4**

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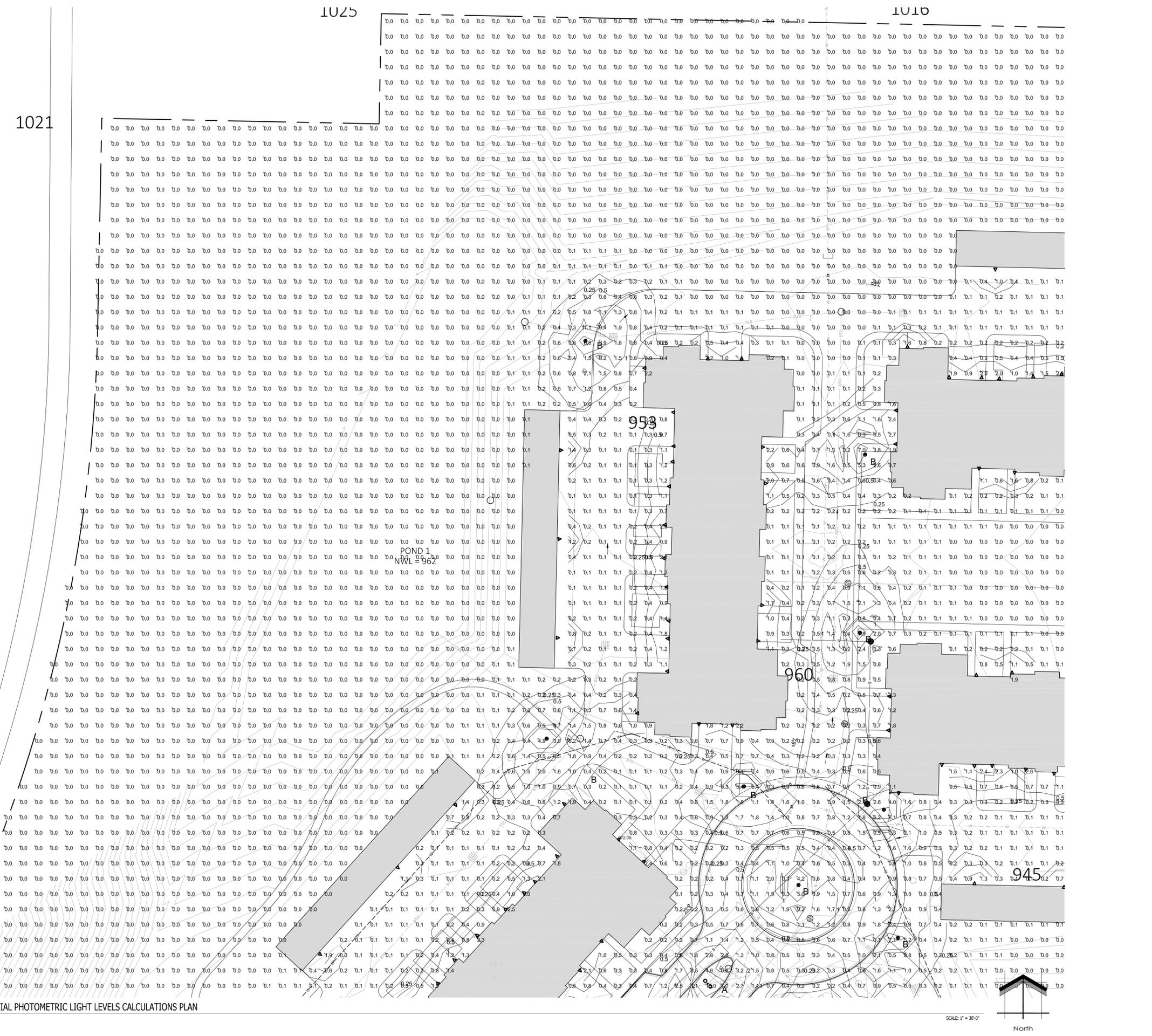
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Sheet Title:  
PROPOSED PARTIAL PHOTOMETRIC  
LIGHT LEVEL CALCULATIONS PLAN

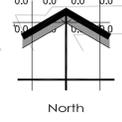
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Scale: 1" = 30'-0"  
Drawn By: MCD  
Job Number: L23-043  
Sheet Number:

# PHO1.5



1 PROPOSED PARTIAL PHOTOMETRIC LIGHT LEVELS CALCULATIONS PLAN

SCALE: 1" = 30'-0"



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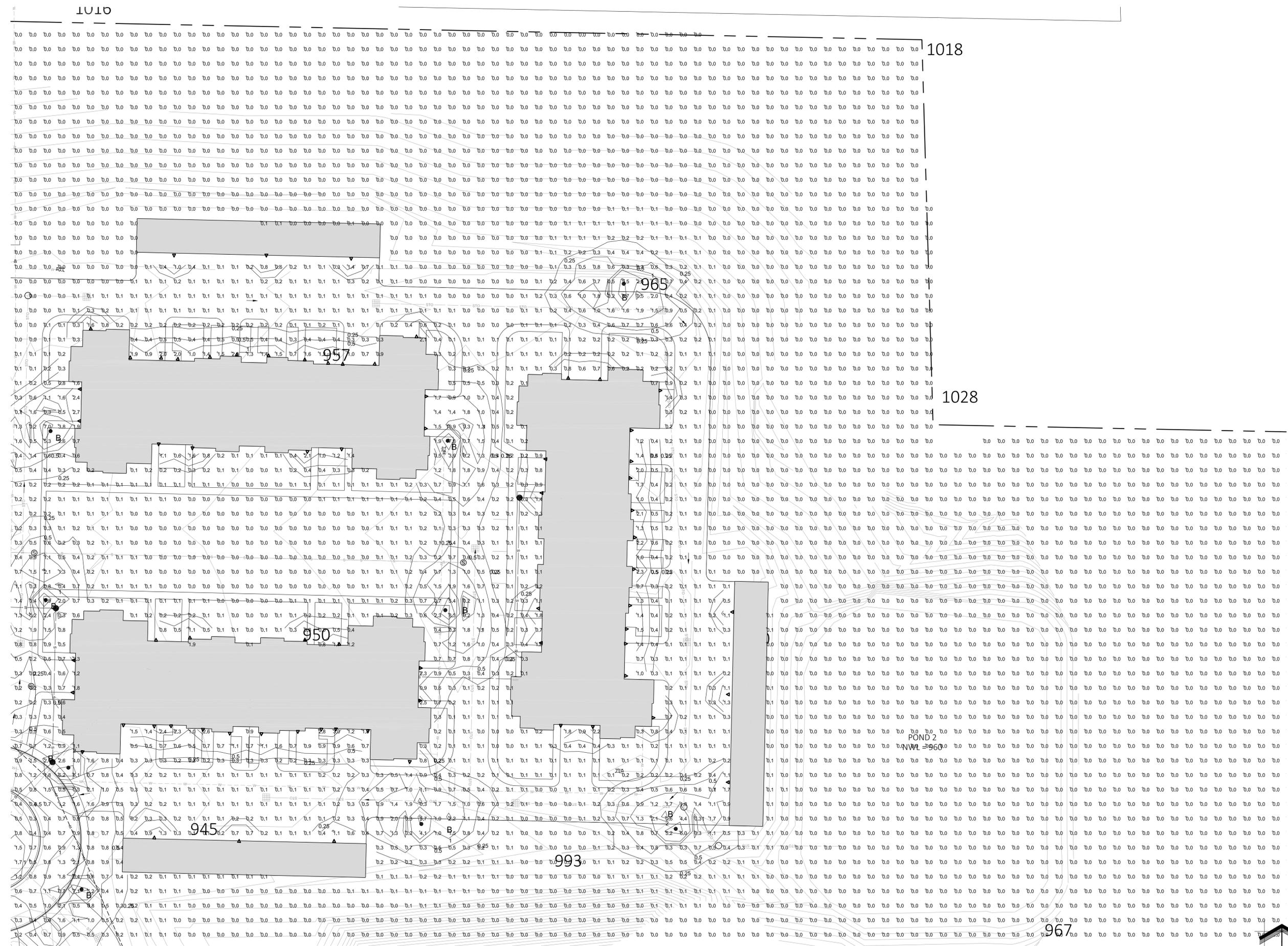
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Sheet Title:  
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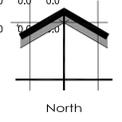
Date of Drawing: 06/30/23  
 Scale: 1" = 30'-0"  
 Drawn By: MCD  
 Job Number: L23-043  
 Sheet Number:

# PHO1.6



1 PROPOSED PARTIAL PHOTOMETRIC LIGHT LEVELS CALCULATIONS PLAN

SCALE: 1" = 30'-0"



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**Beacon Square 12" 1 Light Wall Light Olde Bronze®** 49829OZ  
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**SPECIFICATIONS**  
www.kichler.com/warranty

<b>Certifications/Qualifications</b>	
Dimensions	www.kichler.com/warranty
Base Backplate	4.75" X 6.50"
Extension	7.50"
Weight	3.40 LBS
Height from center of Wall opening (Spec Sheet)	2.50"
Height	12.00"
Width	6.50"
<b>Light Source</b>	
Lamp Included	Not Included
Lamp Type	A19
Light Source	Incandescent
Max or Nominal Watt	75W
# of Bulbs/LED Modules	1
Socket Type	Medium
Socket Wire	150"
<b>Mounting/Installation</b>	
Interior/Exterior	Exterior
Location Rating	Wet
Mounting Style	Wall Mount
Mounting Weight	1.80 LBS

**FIXTURE ATTRIBUTES**

**Housing**  
Diffuser Description: Clear Hammered  
Primary Material: EPM

**Product/Ordering Information**  
SKU: 49829OZ  
Finish: Olde Bronze  
Style: Arts and Crafts / Mission  
LPC: 763927526128

**Finish Options**  
● Olde Bronze  
● White

**ALSO IN THIS FAMILY**

49832WH 49829WH 49830WH  
49833WH 49834WH 49831WH

Kichler.com KICHLER. 1

**Mercer 12" 1 Light Wall Light Clear Seeded Glass Black** 59069BSL  
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**SPECIFICATIONS**  
www.kichler.com/warranty

<b>Certifications/Qualifications</b>	
Dimensions	www.kichler.com/warranty
Base Backplate	4.75" X 12.00"
Extension	8.50"
Weight	5.73 LBS
Height from center of Wall opening (Spec Sheet)	2.40"
Height	12.20"
Width	7.00"
<b>Light Source</b>	
Lamp Included	Not Included
Lamp Type	A19
Light Source	Incandescent
Max or Nominal Watt	75.00
# of Bulbs/LED Modules	1
Max Wattage/Range	75.00
Socket Type	Medium
Socket Wire	150"
<b>Mounting/Installation</b>	
Interior/Exterior	Exterior
Location Rating	Wet
Mounting Style	Wall Mount
Mounting Weight	3.92 LBS

**FIXTURE ATTRIBUTES**

**Housing**  
Diffuser Description: Clear Seeded  
Primary Material: EPM

**Product/Ordering Information**  
SKU: 59069BSL  
Finish: Black with Silver Highlights  
Style: Transitional  
LPC: 763927601355

**Finish Options**  
● Black with Silver Highlights  
● Olde Bronze

**ALSO IN THIS FAMILY**

59069OZ 59064BSL 59061BSL  
59062BSL 59062OZ 59061OZ

Kichler.com KICHLER. 1

**Mercer™ 16" 1 Light Wall Light Clear Seeded Glass Black** 59061BSL  
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**SPECIFICATIONS**  
www.kichler.com/warranty

<b>Certifications/Qualifications</b>	
Dimensions	www.kichler.com/warranty
Base Backplate	4.75" X 16.00"
Extension	8.50"
Weight	7.00 LBS
Height from center of Wall opening (Spec Sheet)	2.40"
Height	16.00"
Width	7.00"
<b>Light Source</b>	
Dimmable	Yes
Lamp Included	Not Included
Lamp Type	A19
Light Source	Incandescent
Max or Nominal Watt	100.00
# of Bulbs/LED Modules	1
Max Wattage/Range	100.00
Socket Type	Medium
Socket Wire	150"
<b>Mounting/Installation</b>	
Interior/Exterior	Exterior
Location Rating	Wet
Mounting Style	Wall Mount
Mounting Weight	5.33 LBS

**FIXTURE ATTRIBUTES**

**Housing**  
Diffuser Description: Clear Seeded  
Primary Material: EPM  
Shade Dimensions: 4.06" SQ X 12.13"

**Product/Ordering Information**  
SKU: 59061BSL  
Finish: Black with Silver Highlights  
Style: Transitional  
LPC: 763927601379

**Finish Options**  
● Black with Silver Highlights  
● Olde Bronze

**ALSO IN THIS FAMILY**

59063BSL 59063OZ 59063OZ  
59064BSL 59062BSL 59062OZ

Kichler.com KICHLER. 1

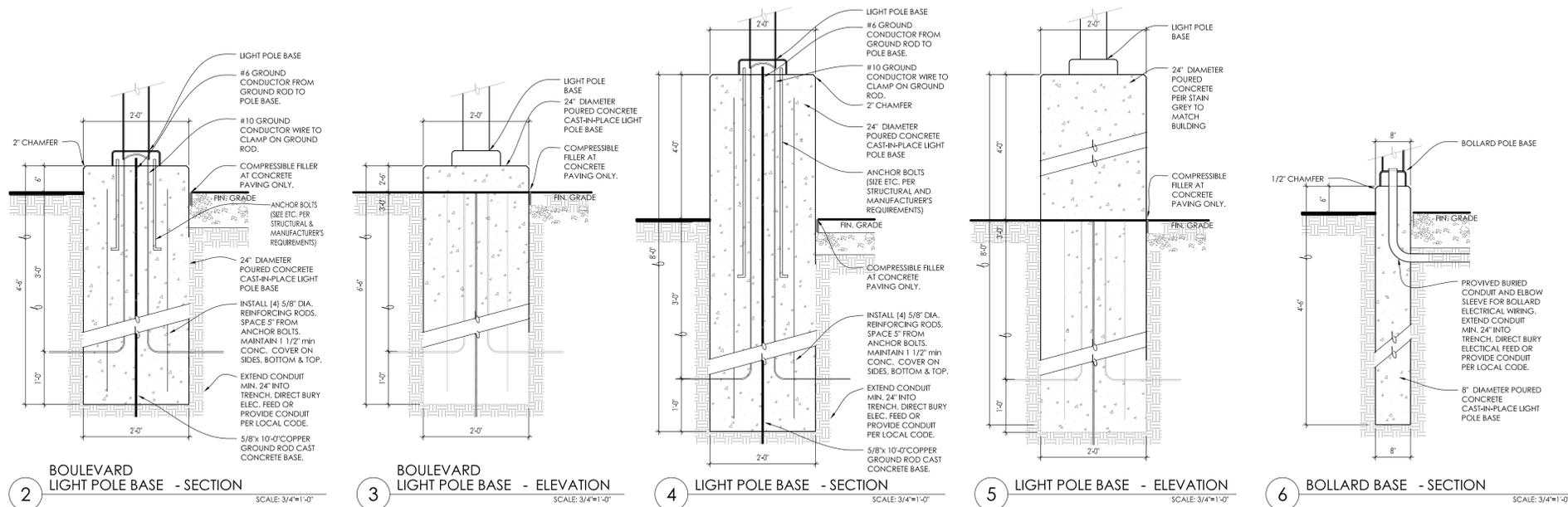
1 KICHLER WALL MOUNTED SCONCES

**INSITE**  
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11525 W. North Avenue, Suite 1B  
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700 W. Capitol Drive  
Hartland, WI 53029

Issuance and Revisions:

Date	Number	Description
06/30/23		Client Review Submittal



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Sheet Title:  
PROPOSED LIGHT FIXTURES AND REINFORCED CONCRETE BASE SECTIONS AND DETAILS

Date of Drawing: 06/30/23  
Scale: NONE  
Drawn By: MCD  
Job Number: L23-043  
Sheet Number:

PH01.9

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