

**5825 W HOPE AVENUE - MULTI-FAMILY DEVELOPMENT PHASE 1 & 2
N 60TH STREET & W HOPE AVE**

ADDITIONAL SUPPORTING INFORMATION & DOCUMENTS

- 1: PROPOSED CONCEPTUAL DESIGN**
- 2: PROPOSED ELEVATIONS**
- 3: EXTERIOR MATERIAL BOARD**
- 4: CIVIL PLANS**
- 5: LANDSCAPE PLANS**
- 6: ALTA SURVEY**
- 7: PROPOSED LOT LINE EXHIBIT**
- 8: TYPICAL TRASH ENCLOSURE**
- 9: EXISTING SITE PHOTOGRAPHS**
- 10: EXISTING MIDTOWN CENTER PHOTOGRAPHS**
- 11: SITE LIGHTING & PHOTOMETRIC PLAN + LIGHTING SPEC SHEETS**
- 12: PLAY AREA DRAFT CONCEPT PLAN**

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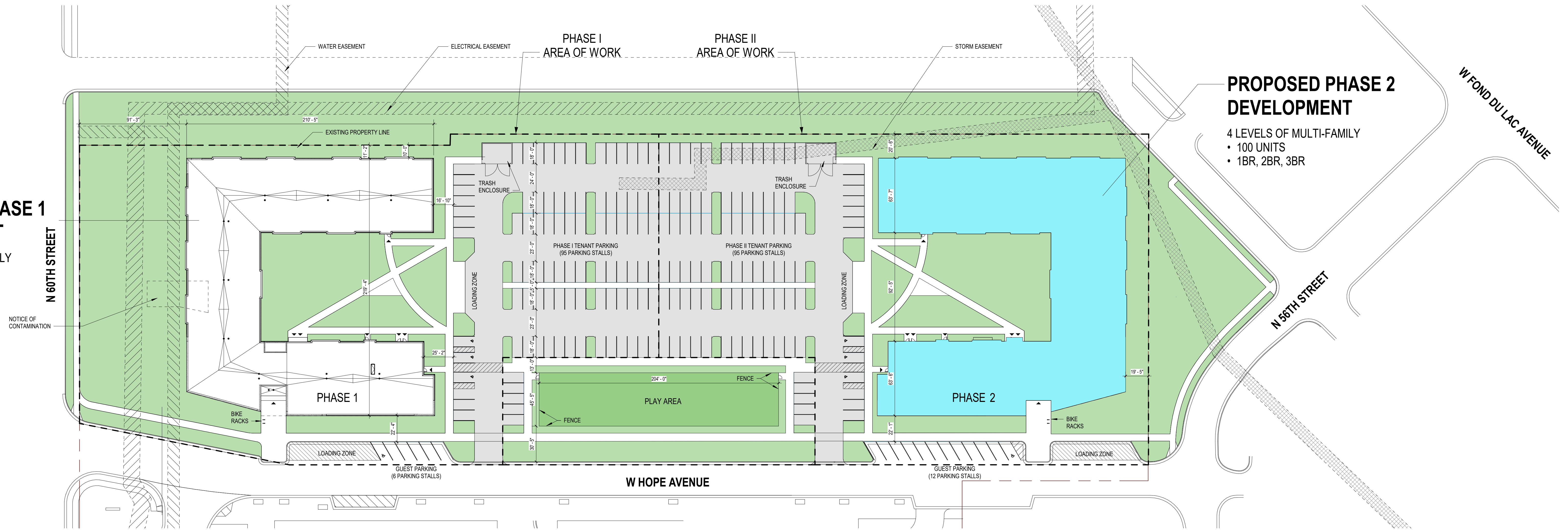
1: PROPOSED CONCEPTUAL DESIGN

PROPOSED PHASE 1 DEVELOPMENT

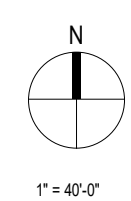
- 4 LEVELS OF MULTI-FAMILY
- 100 UNITS
- 1BR, 2BR, 3BR

PROPOSED PHASE 2 DEVELOPMENT

- 4 LEVELS OF MULTI-FAMILY
- 100 UNITS
- 1BR, 2BR, 3BR



2 SITE PLAN
1" = 40'-0"



5825 W HOPE AVENUE - MULTI-FAMILY DEVELOPMENT PHASE 1 & 2
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2: PROPOSED ELEVATIONS



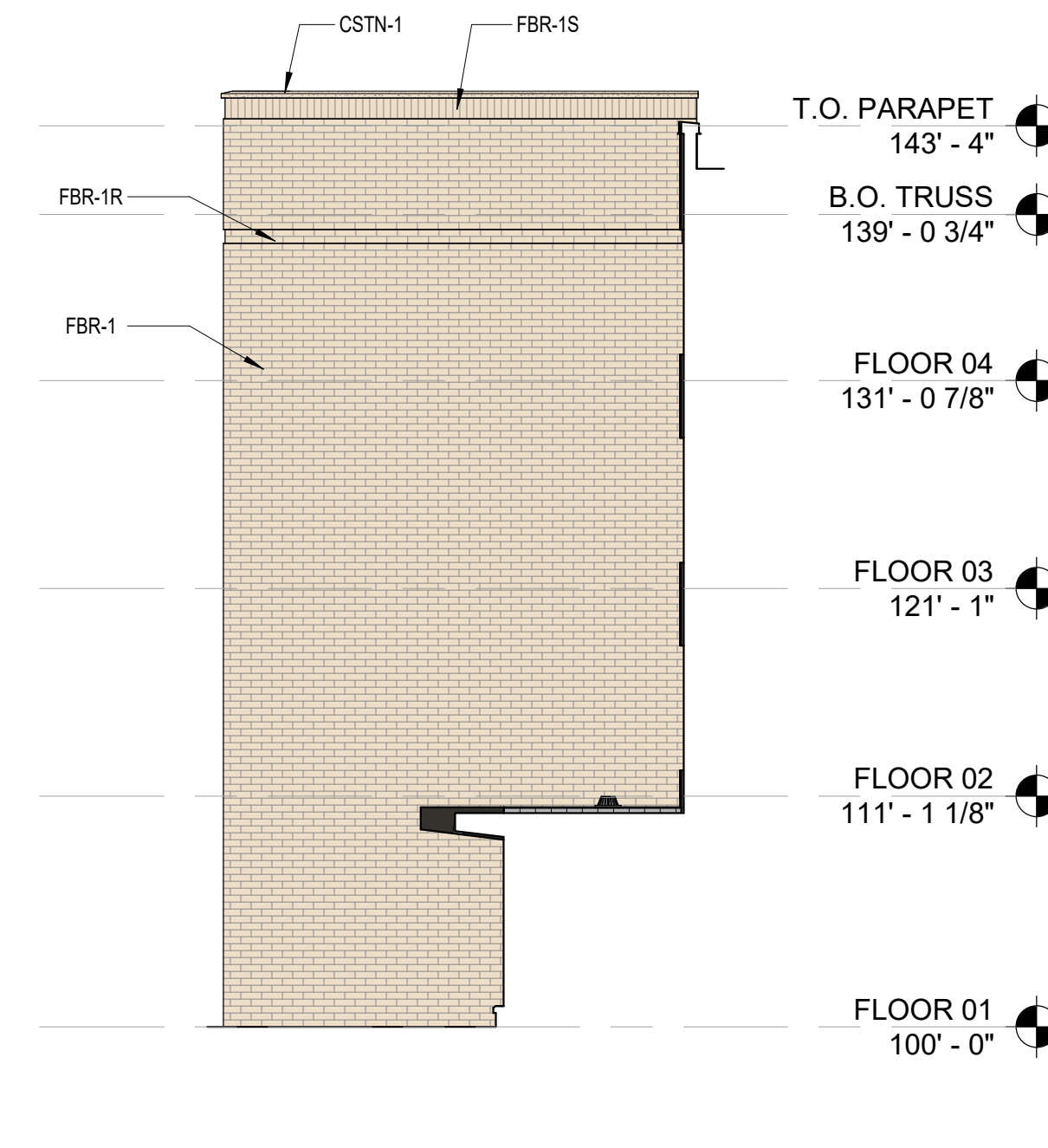
6 NORTH ELEVATION
1/8" = 1'-0"

KEYNOTE	DESCRIPTION
AFS-2	08 41 13 / ALUMINUM FRAMING SYSTEM - EXTERIOR, THERMALLY BROKEN
CSTN-1	04 72 00 / CAST STONE SILL
FBR-1	04 26 13 / MASONRY VENEER - FACE BRICK - COMMON BOND
FBR-1R	04 26 13 / MASONRY VENEER - FACE BRICK - RECESSED COMMON BOND
FBR-1S	04 26 13 / MASONRY VENEER - FACE BRICK - RECESSED STACKED SOLDIER
FCB-1	07 46 46 / FIBER CEMENT BOARD PANEL - RAINSCREEN - COLOR 1
FCB-2	07 46 46 / FIBER CEMENT BOARD PANEL - RAINSCREEN - COLOR 2
FCS-1	07 46 46 / FIBER CEMENT SIDING - LAP SIDING
FWS-1	07 42 16 / METAL PANEL
MP-1	07 62 00 / SHEET METAL FLASHING - PREFINISHED ALUMINUM - COLOR 1

NOTE:
ELEVATIONS REPRESENT PHASE I
PHASE II TO BE EXACT MIRROR OF PHASE I



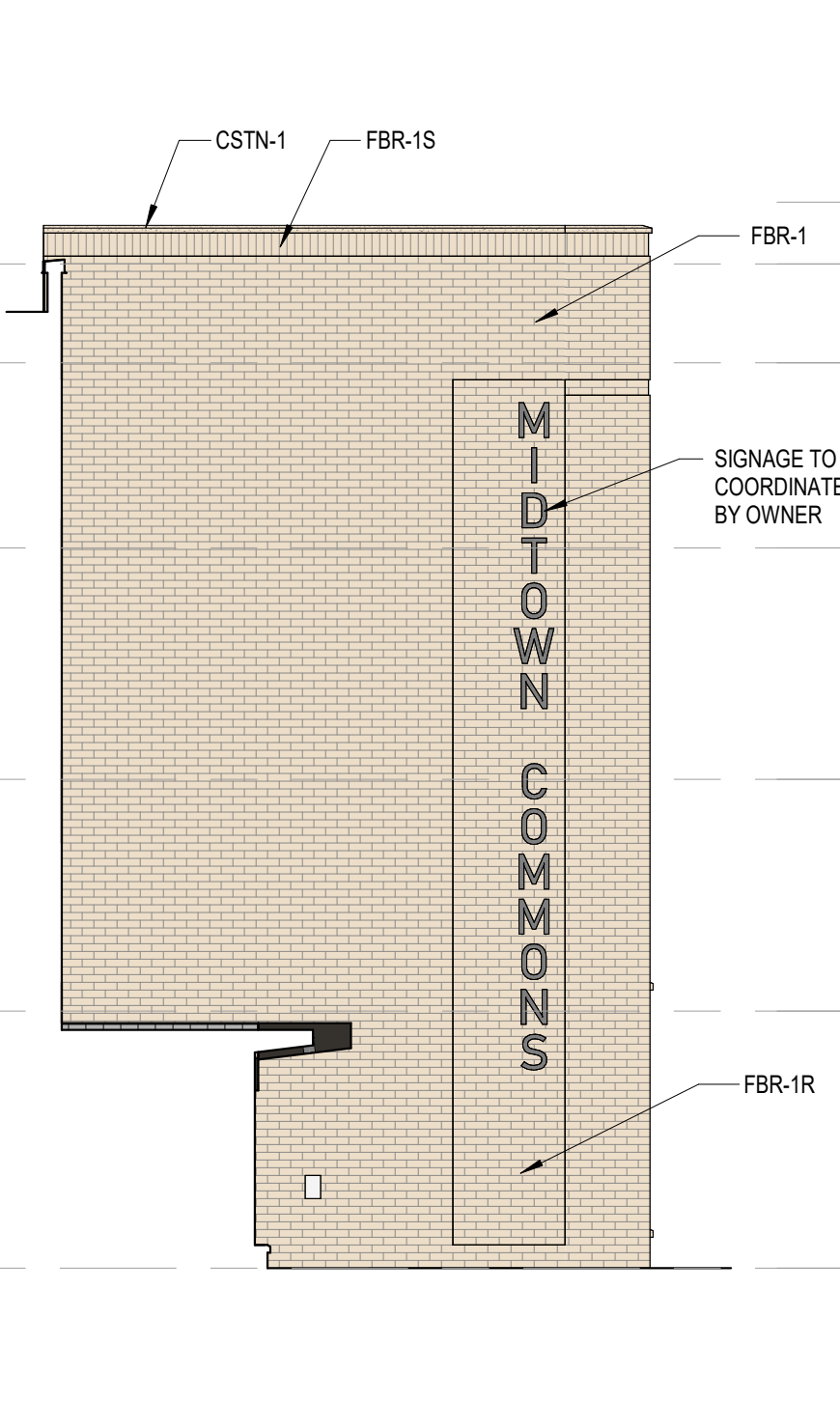
19 WEST ELEVATION
1/8" = 1'-0"



4 MAIN ENTRANCE - WEST SIDE ELEVATION (DRT)
1/8" = 1'-0"



3 SOUTH ELEVATION - ANGLED
1/8" = 1'-0"



2 MAIN ENTRANCE - EAST SIDE ELEVATION
1/8" = 1'-0"



1 SOUTH ELEVATION
1/8" = 1'-0"

KEYNOTE	DESCRIPTION
CSTN-1	04 72 00 / CAST STONE SILL
FBR-1	04 25 13 / MASONRY VENEER - FACE BRICK - COMMON BOND
FCB-1	07 45 45 / FIBER CEMENT BOARD PANEL - RAINSCREEN - COLOR 1
FCS-1	07 45 45 / FIBER CEMENT SIDING - LAP SIDING
FWS-1	07 62 00 / SHEET METAL FLASHING - PREFINISHED ALUMINUM - COLOR 1
SMF-2A	07 62 00 / SHEET METAL FLASHING - PREFINISHED ALUMINUM - COLOR 1

NOTE:
ELEVATIONS REPRESENT PHASE I
PHASE II TO BE EXACT MIRROR OF PHASE I



4 COURTYARD - SOUTH ELEVATION (DRT)
1/8" = 1'-0"



3 COURTYARD - EAST ELEVATION (DRT)
1/8" = 1'-0"

2 COURTYARD - NORTH ELEVATION (DRT)
1/8" = 1'-0"

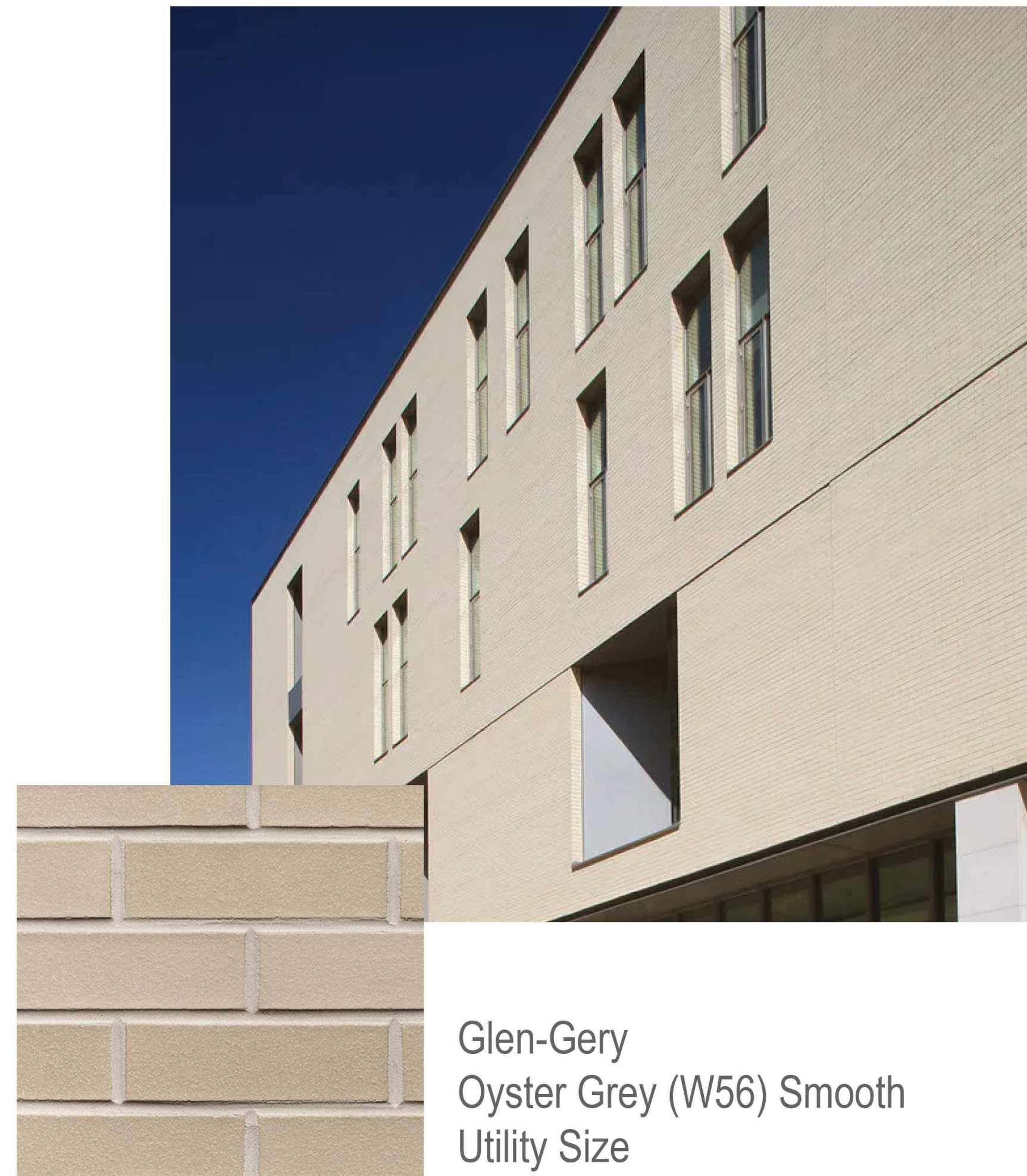


1 EAST ELEVATION (DRT)
1/8" = 1'-0"

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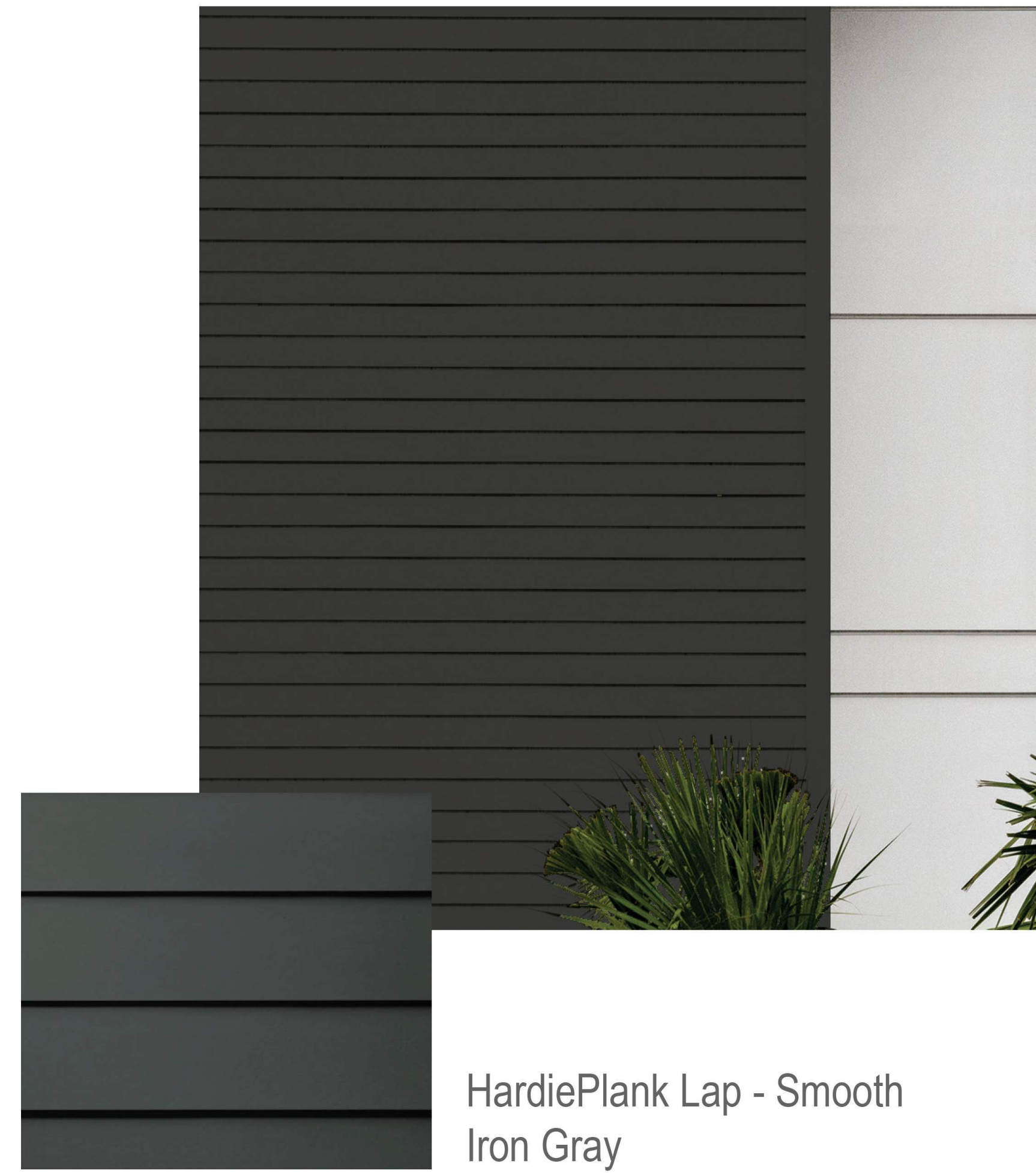
ADDITIONAL SUPPORTING INFORMATION & DOCUMENTS

3: EXTERIOR MATERIAL BOARD



Glen-Gery
Oyster Grey (W56) Smooth
Utility Size

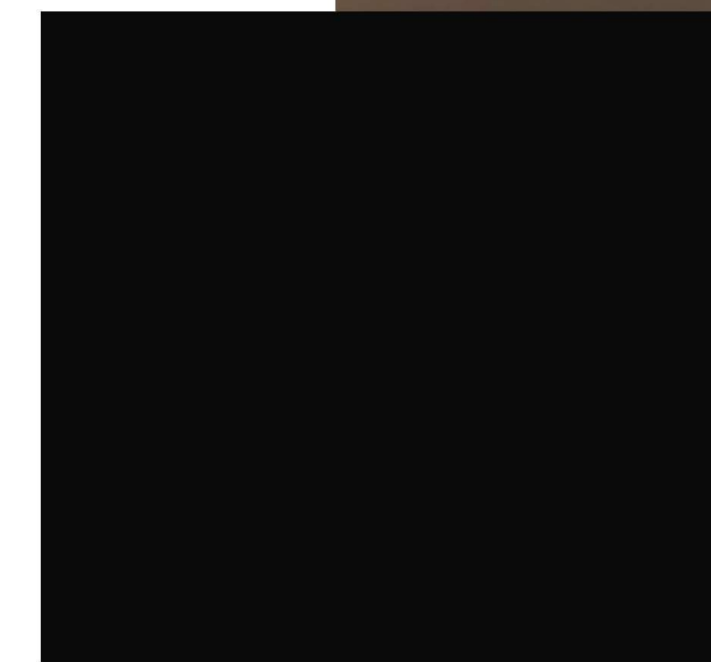
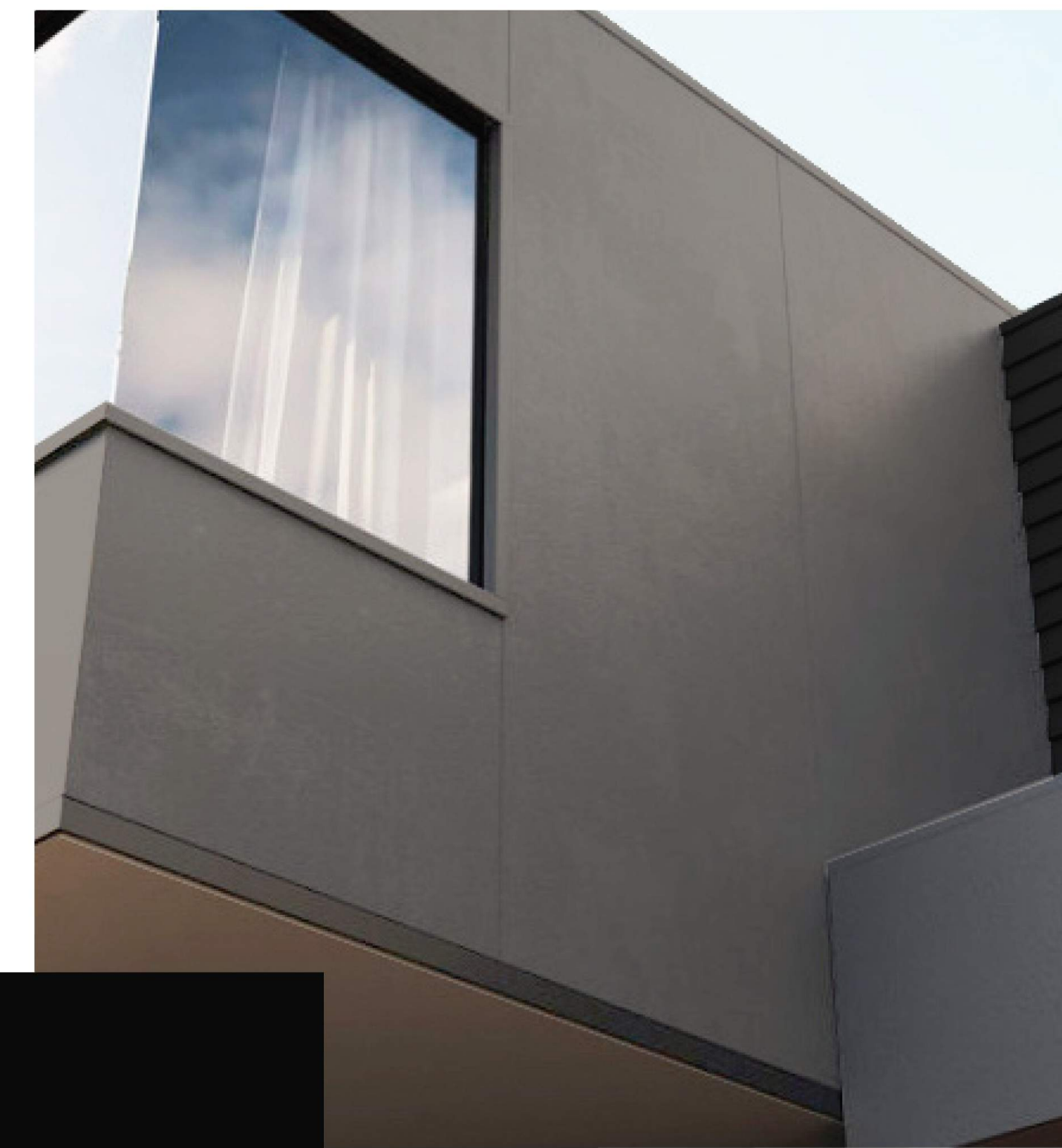
FBR-1 : Face Brick



HardiePlank Lap - Smooth
Iron Gray

FCS-1 : Fiber Cement Board Panels

SMF-1 : Prefinished Sheet Metal - BLACK



JamesHardie Panel
Midnight Black
Refer to elevations for trim pattern



JamesHardie Panel
Aged Pewter

FCB-1A: Fiber Cement Board Panels - Midnight Black

FCB-1B: Fiber Cement Board Panels - Aged Pewter

SMF-1 : Prefinished Sheet Metal - BLACK



Kawneer Trifab VG 451T
Anodized Black

AFS-1 : Aluminum Storefront Framing System

GL-10 : Low-E Clear Insulating Glass



Punched Window -
Vinyl, Black

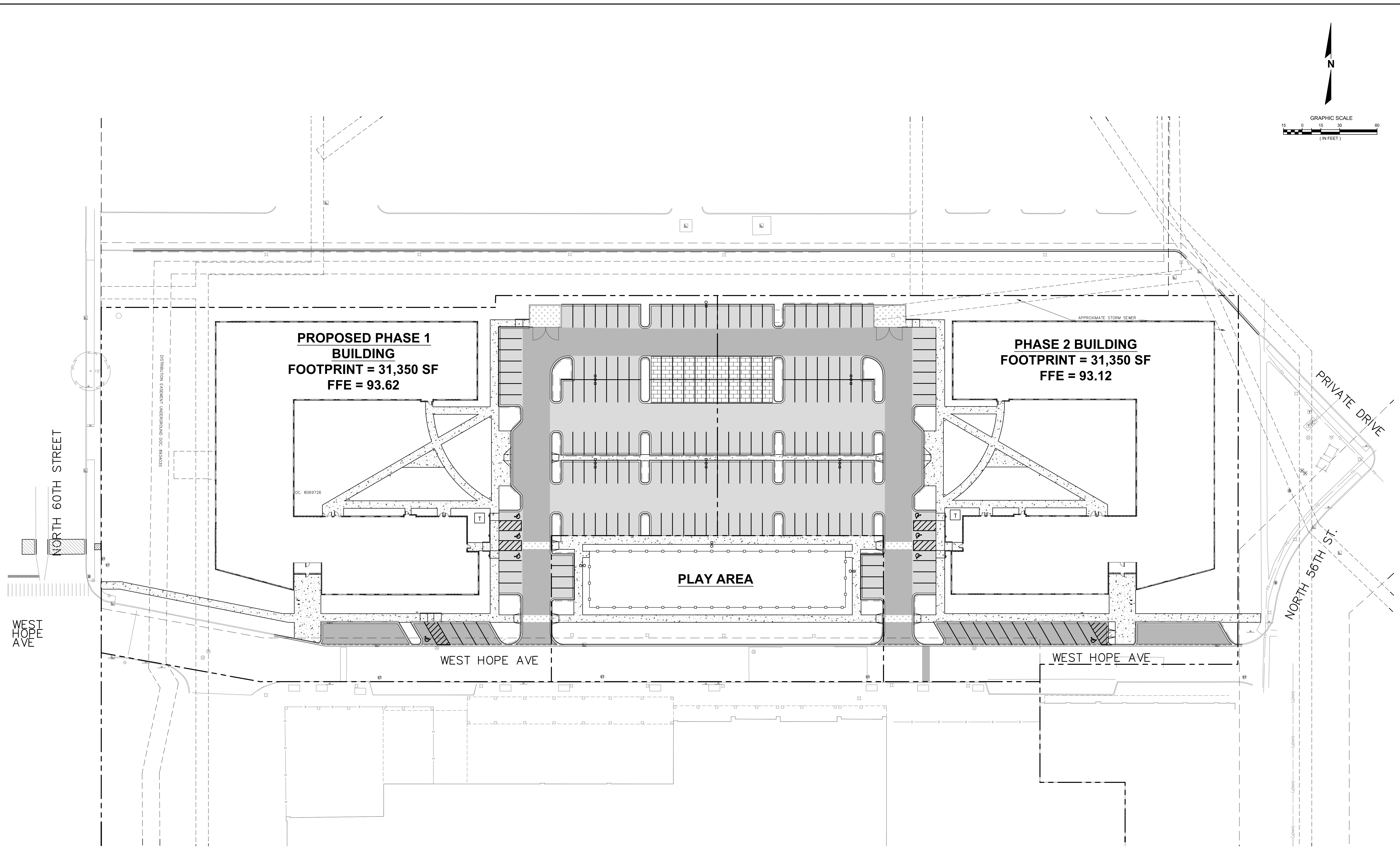
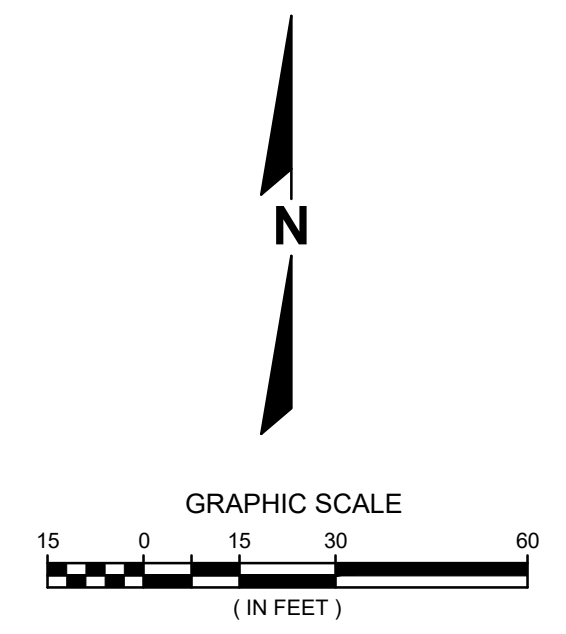
VWS-1 : Vinyl Window System



5825 W HOPE AVENUE - MULTI-FAMILY DEVELOPMENT PHASE 1 & 2
N 60TH STREET & W HOPE AVE

ADDITIONAL SUPPORTING INFORMATION & DOCUMENTS

4: CIVIL PLANS



SITE & PAVING LEGEND

- PROPOSED PROPERTY LINE
- HEAVY-DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- STANDARD-DUTY ASPHALT PAVEMENT
- HEAVY-DUTY ASPHALT PAVEMENT
- PERMEABLE PAVERS
- CITY OF MILWAUKEE CONCRETE PAVEMENT
- CITY OF MILWAUKEE CONCRETE SIDEWALK
- PROPOSED 18" HIGH-SIDE CURB & GUTTER (AS SHOWN ON SITE PLAN)
- PROPOSED 18" STANDARD CURB & GUTTER (AS SHOWN ON SITE PLAN)
- PROPOSED ACCESSIBLE PAVEMENT MARKING VAN ACCESSIBLE STALL
- PARKING STALL COUNT

SITE & PAVING NOTES

1. EXISTING TOPOGRAPHY OBTAINED BY R.A.SMITH, INC. 10/14/2025, REVISED 02/09/2026.
2. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR PRECISE BUILDING DIMENSIONS, DOOR LOCATION, AND BUILDING UTILITY ENTRANCE LOCATIONS, ETC.
3. CONTRACTOR SHALL PROVIDE EROSION CONTROL FACILITIES IN ACCORDANCE WITH THE CITY OF MILWAUKEE EROSION CONTROL ORDINANCE AND STATE OF WISCONSIN TECHNICAL STANDARDS.
4. ALL DIMENSIONS AND CORRESPONDING HORIZONTAL CONTROL RELATED TO PAVING REPRESENT FACE OF CURB. BUILDINGS ARE DIMENSIONED TO FACE OF BUILDING.
5. ALL CURB RADI ARE MEASURED TO FACE OF CURB. CURB RADI ARE 3' UNLESS OTHERWISE NOTED.
6. ALL CURB SHALL BE 18" CONCRETE CURB, UNLESS OTHERWISE NOTED.
7. ALL SITE SIGNAGE AND MARKINGS MUST COMPLY WITH THE MOST RECENT EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
8. ALL IMPROVEMENTS ARE TO BE MADE IN COMPLIANCE WITH WISCONSIN ADA STANDARDS.
9. SEE LANDSCAPE PLAN FOR PLANTING INFORMATION IN UNPAVED AREAS.
10. SEE ARCHITECT PLANS FOR SITE SIGNAGE DETAILS.

SITE DATA

PARCEL AREA	SQFT	AC	COVERAGE
248,251	5.70	100.0%	
EXISTING BUILDING AREA	0	0.00	0.0%
EXISTING PERVIOUS AREA	12,166	0.29	4.9%
EXISTING HARDCAPE AREA	236,085	5.42	95.1%
PROPOSED BUILDING AREA	62,700	1.43	25.0%
PROPOSED PERVIOUS AREA	92,371	2.12	37.3%
PROPOSED HARDCAPE AREA	93,190	2.15	47.7%

BUILDING UNITS

PHASE 1 APARTMENT UNITS	100
PHASE 2 APARTMENT UNITS	100
TOTAL	200

PARKING DATA

PROVIDED STANDARD SPACES 197
 PROVIDED ACCESSIBLE SPACES 8
 PROVIDED TOTAL SPACES 205
 PARKING SPACE DIMENSIONS: 9' WIDE X 18' DEEP W/ 2.0' OVERHANG
 90' SPACE (STANDARD)

CITY OF MILWAUKEE PARKING REQUIREMENTS:
 2 SPACES REQUIRED FOR EVERY 3 DWELLING UNITS
 (208 UNITS * 2) / 3 = 139 SPACES REQUIRED

REQUIRED ACCESSIBLE SPACES 7
 PROVIDED ACCESSIBLE SPACES 8

BIKE PARKING REQUIREMENTS:
 CITY OF MILWAUKEE SHORT TERM BICYCLE PARKING REQUIREMENTS:
 1 SPACE REQUIRED FOR EVERY 30 DWELLING UNITS
 (208 UNITS * 1) / 30 = 7 SPACES REQUIRED (8 SPACES PROVIDED)

SEE ARCHITECTURAL PLANS FOR LONG TERM BICYCLE PARKING.



CONTRACTOR SHALL PROVIDE EROSION CONTROL FACILITIES IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION EROSION CONTROL ORDINANCE, THE WISCONSIN DNR STORMWATER CONSTRUCTION AND POST CONSTRUCTION TECHNICAL STANDARDS, MNR PERMIT CONDITIONS, AND THESE DOCUMENTS, THE MOST STRINGENT TO APPLY.

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

R.A.SMITH, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A.SMITH, INC.

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DATE	DESCRIPTION

16745 W. Bluemound Road
 Brookfield, WI 53005-5938
 (262) 781-1000
 rasmith.com

CREATIVITY BEYOND ENGINEERING

Brookfield, WI | Appleton, WI | Madison, WI
 Cedarburg, WI | Naperville, IL | Irvine, CA

**MIDTOWN APARTMENTS
 MILWAUKEE, WISCONSIN**

OVERALL SITE PLAN

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 R.A. Smith, Inc.

DATE: 03/18/2026

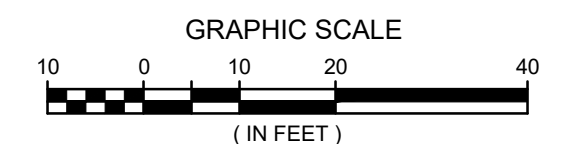
SCALE: 1" = 30'

PROJECT MANAGER:
 RYAN J. LANCOUR, P.E.

DESIGNED BY: CRR

CHECKED BY: RJL

SHEET NUMBER
C300



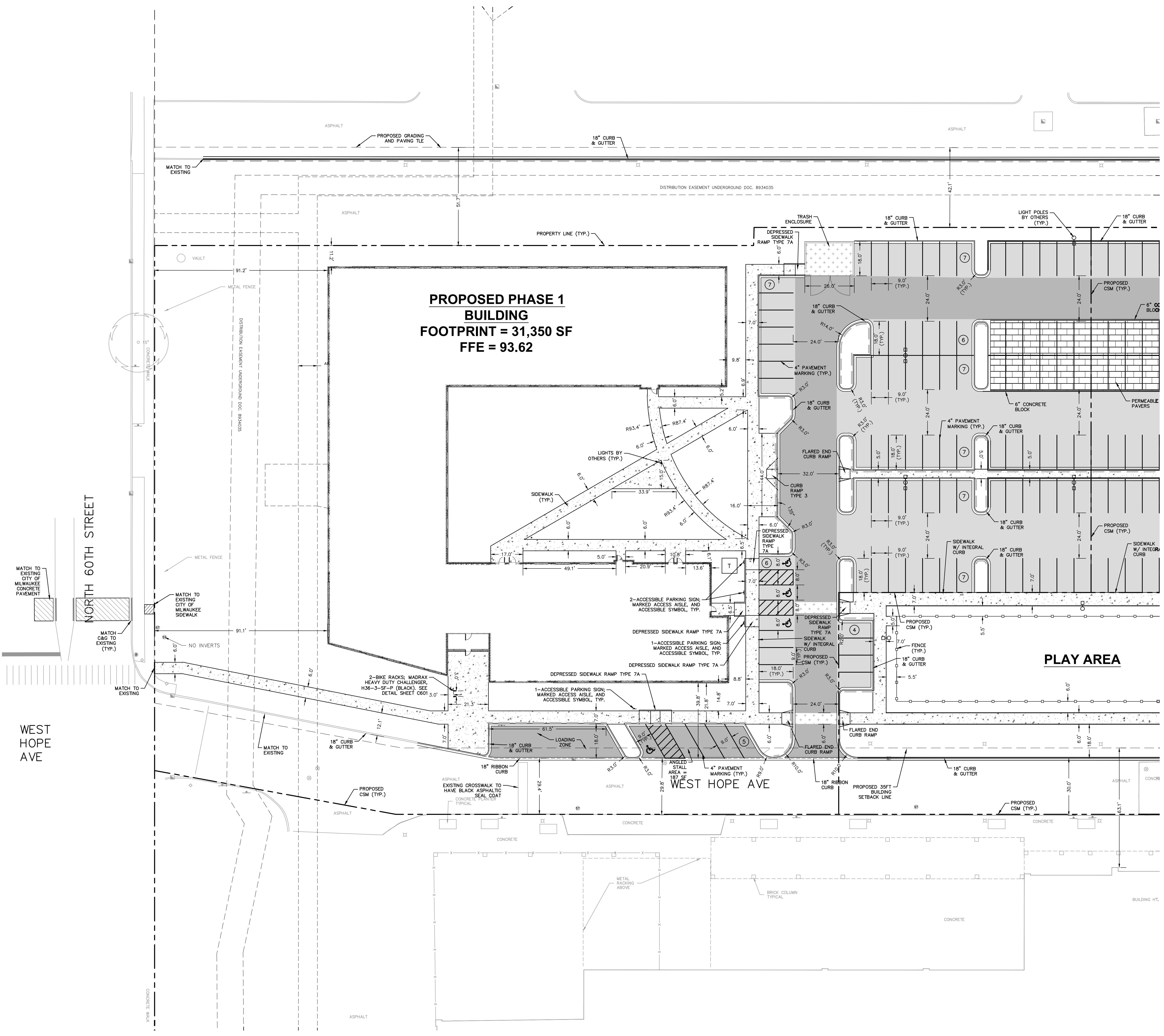
SITE & PAVING LEGEND

- PROPOSED PROPERTY LINE
- HEAVY-DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- STANDARD-DUTY ASPHALT PAVEMENT
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- VAN ACCESSIBLE STALL
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SITE & PAVING NOTES

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**PROPOSED PHASE 1
BUILDING
FOOTPRINT = 31,350 SF
FFE = 93.62**



DATE	DESCRIPTION

16745 W. Blumound Road
Brookfield, WI 53005-5938
(262) 781-1000
rosmith.com

raSmith
CREATIVITY BEYOND ENGINEERING

Brookfield, WI | Appleton, WI | Madison, WI
Cedarburg, WI | Naperville, IL | Irvine, CA

**MIDTOWN APARTMENTS
MILWAUKEE, WISCONSIN**

**SITE PLAN
WEST**



Know what's below.
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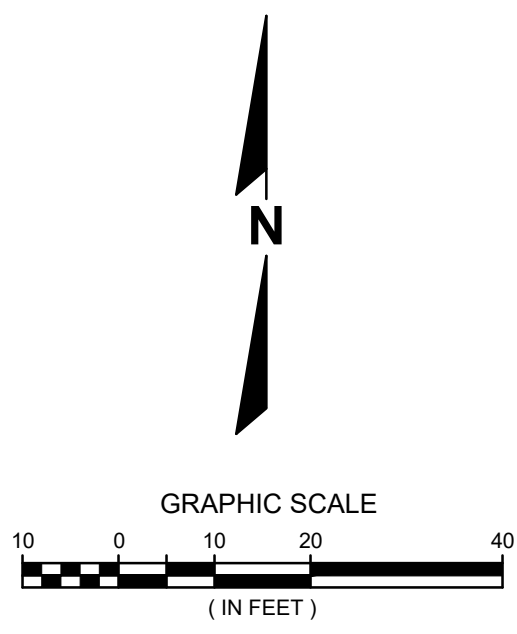
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DATE: 03/18/2026
SCALE: 1" = 20'
PROJECT NO. 3250202
PROJECT MANAGER: RYAN J. LANCOUR, P.E.
DESIGNED BY: CRR
CHECKED BY: RJL
SHEET NUMBER C301



**PHASE 2 BUILDING
FOOTPRINT = 31,350 SF
FFE = 93.12**

SITE & PAVING LEGEND

- PROPOSED PROPERTY LINE
- HEAVY-DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- STANDARD-DUTY ASPHALT PAVEMENT
- HEAVY-DUTY ASPHALT PAVEMENT
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SITE & PAVING NOTES

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**MIDTOWN APARTMENTS
MILWAUKEE, WISCONSIN**

**SITE PLAN
EAST**



Know what's below.
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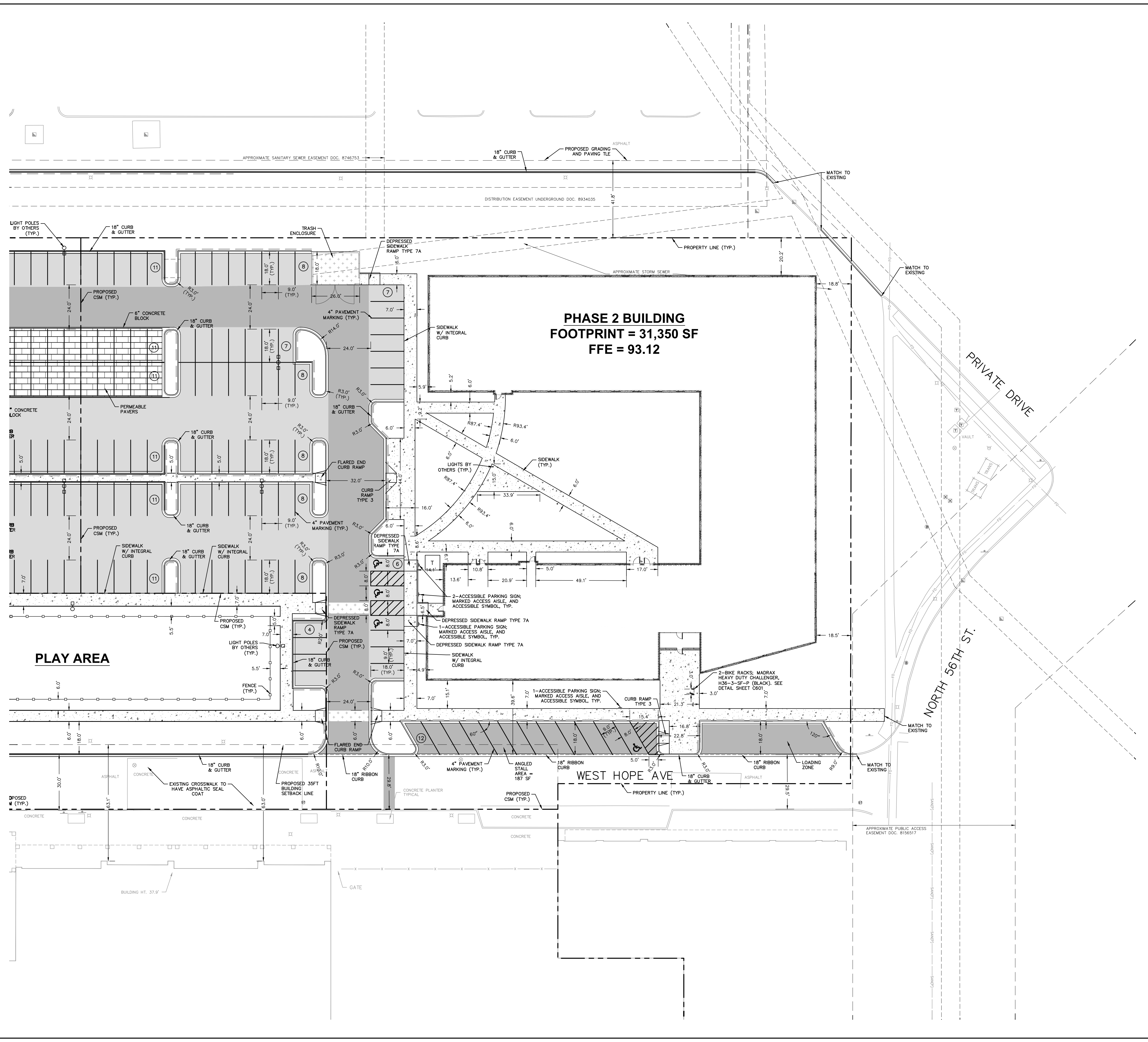
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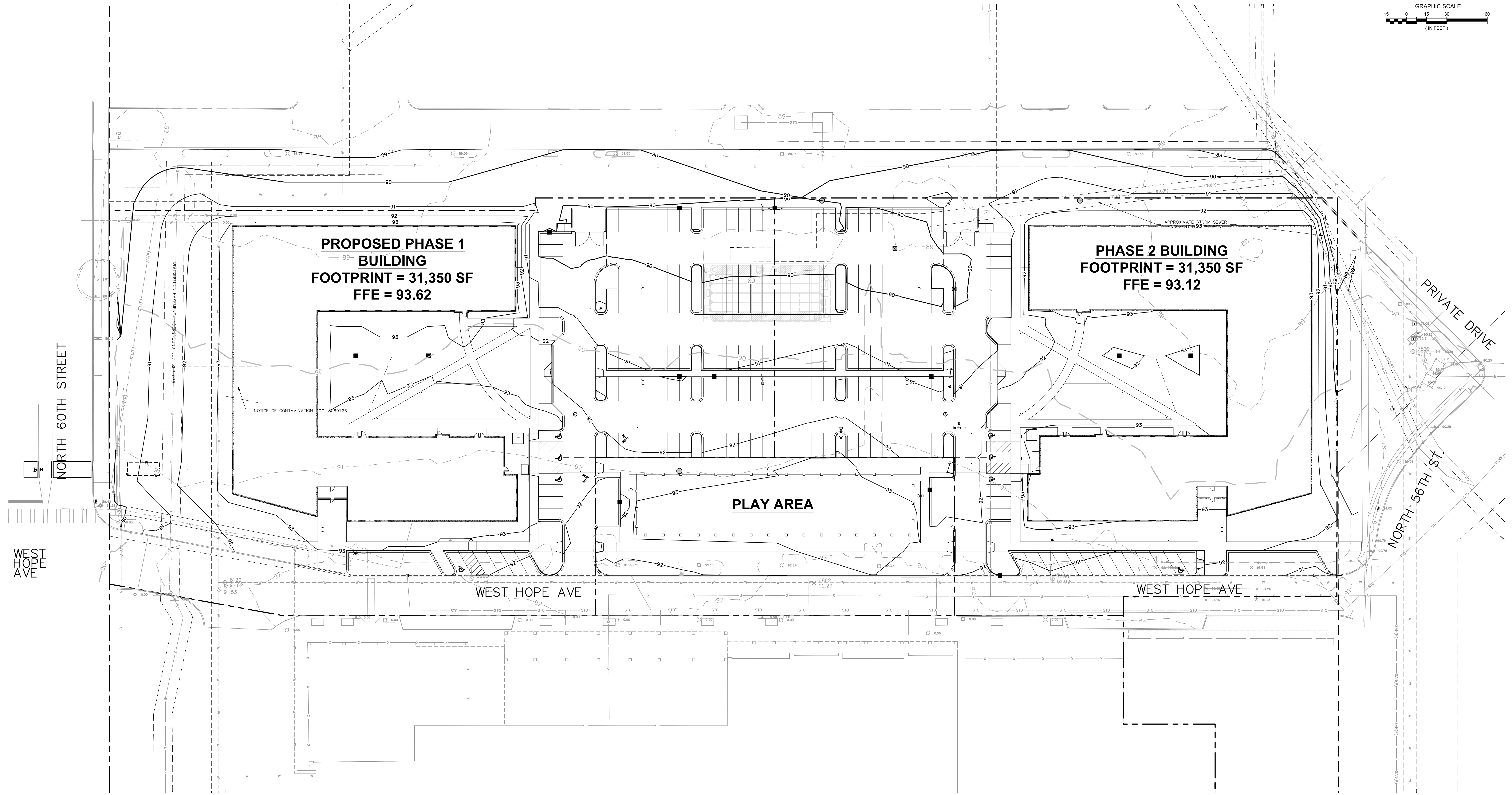
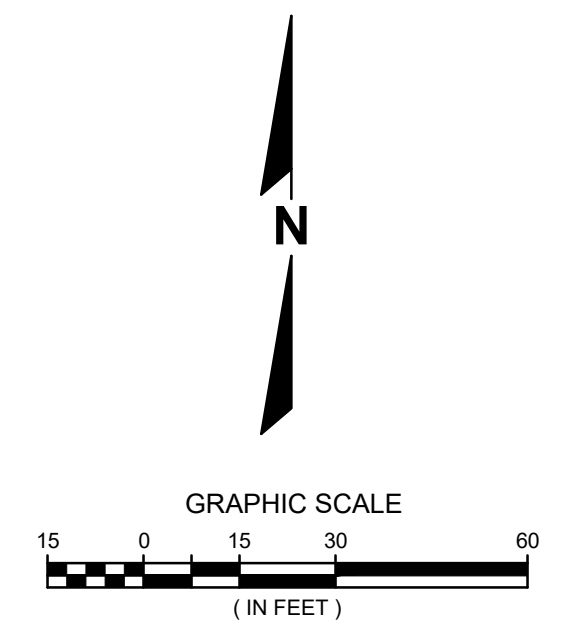
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DATE: 03/18/2026
SCALE: 1" = 20'
PROJECT NUMBER: JOB NO. 3250202
PROJECT MANAGER: RYAN J. LANCOUR, P.E.
DESIGNED BY: CRR
CHECKED BY: RJL
SHEET NUMBER C302



P:\3250202\04\Drawings\Sheets\3250202_SFD1.dwg - SITE EAST - 3/18/2026 2:51:07 PM - crr



PROPOSED PHASE 1 BUILDING
FOOTPRINT = 31,350 SF
FFE = 93.62

PHASE 2 BUILDING
FOOTPRINT = 31,350 SF
FFE = 93.12

PLAY AREA

GRADING LEGEND

---	PROPOSED PROPERTY LINE
---	GRADE BREAK
---	EXISTING 1-FOOT GRADE CONTOUR
---	EXISTING 5-FOOT GRADE CONTOUR
---	PROPOSED 1-FOOT GRADE CONTOUR
---	PROPOSED 5-FOOT GRADE CONTOUR
---	PROPOSED SPOT GRADE
---	PROPOSED TOP OF CURB
---	PROPOSED SPOT GRADE TO MATCH EXISTING
---	PROPOSED DIRECTIONAL SLOPE ARROW
---	PROPOSED SWALE
---	PROPOSED INLET
---	PROPOSED STORM MANHOLE

- GRADING NOTES**
- EXISTING TOPOGRAPHY OBTAINED BY R.A.SMITH, INC. 10/14/2025, REVISED 02/09/2026.
 - CONTRACTOR TO VERIFY ALL EXISTING TOPOGRAPHY AND STRUCTURES ON THE SITE AND IMMEDIATELY NOTIFY THE ENGINEER ON ANY DISCREPANCIES PRIOR TO STARTING WORK.
 - THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATIONS OF ALL GRADING AND FOR ACTUAL LAND BALANCE, INCLUDING UTILITY TRENCH SPOIL. THE CONTRACTOR SHALL IMPORT OR EXPORT MATERIAL AS NECESSARY TO COMPLETE THE PROJECT.
 - GRADING SHALL CONSIST OF CLEARING AND GRUBBING EXISTING VEGETATION, STRIPPING TOPSOIL, REMOVAL OF EXISTING PAVEMENT OR FOUNDATIONS, IMPORTING OR EXPORTING MATERIAL TO ACHIEVE AND ON-SITE EARTHWORK BALANCE, GRADING THE PROPOSED BUILDING PADS AND PAVEMENT AREAS, SCRIPING AND FINAL COMPACTION OF THE PAVEMENT SUBGRADE, AND PLACEMENT OF TOPSOIL.
 - THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT INCLUDED IN THE BID DOCUMENTS FOR STRUCTURAL FILL AND COMPACTION REQUIREMENTS.
 - FILL AND MATERIAL COMPACTION SHALL BE INSPECTED BY THE OWNERS TESTING AGENCY PRIOR TO PAVING.
 - THE CONTRACTOR SHALL MAINTAIN SITE DRAINAGE THROUGHOUT CONSTRUCTION. THIS MAY INCLUDE THE EXCAVATION OF TEMPORARY DITCHES OR PUMPING TO ALLEVIATE WATER PONDING.

- NO FILL SHALL BE PLACED ON WET, FROZEN, OR SOFT SUBGRADE.
- ALL SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM 2.00% CROSS SLOPE AND A RUNNING SLOPE NO GREATER THAN 5.00%.
- ADA STALLS SHOULD BE NO MORE THAN 2.00% IN ALL DIRECTIONS.
- ALL DISTURBED LANDSCAPE AREAS SHALL BE RESTORED PER THE LANDSCAPE PLANS.
- MAXIMUM SLOPE IN LANDSCAPE AREAS SHALL BE 4:1 UNLESS OTHERWISE NOTED.
- WHEN GRADE FLOWS AWAY FROM PROPOSED CURB, REJECT CURB SHALL BE INSTALLED.
- MATCH EXISTING ELEVATION AT LIMITS OF CONSTRUCTION.
- ADJUST ALL EXISTING MANHOLES, VALVES, INLETS, ETC. TO FINISHED GRADE, AS NECESSARY.



Know what's below.
 Call before you dig.

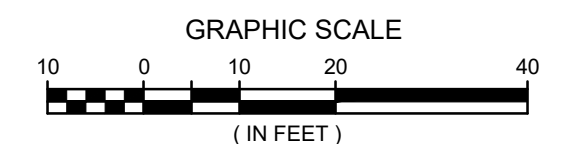
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DESCRIPTION	
DATE	
16745 W. Bluemound Road Brookfield, WI 53005-5938 (262) 791-1000 rasmith.com raSmith CREATIVITY BEYOND ENGINEERING	
Broadfield, WI Milwaukee, WI Appleton, WI Madison, WI Cedarburg, WI Naperville, IL Irvine, CA	
MIDTOWN APARTMENTS MILWAUKEE, WISCONSIN	OVERALL GRADING PLAN
© COPYRIGHT 2026 R.A. Smith, Inc. DATE: 03/18/2026 SCALE: 1" = 30' PROJECT MANAGER: RYAN J. LANCOUR, P.E. DESIGNED BY: CRR CHECKED BY: RJL	
SHEET NUMBER C400	



GRADING LEGEND

- PROPOSED PROPERTY LINE
- - - GRADE BREAK
- 88.9 EXISTING 1-FOOT GRADE CONTOUR
- 87.0 EXISTING 5-FOOT GRADE CONTOUR
- 86.0 PROPOSED 1-FOOT GRADE CONTOUR
- 87.0 PROPOSED 5-FOOT GRADE CONTOUR
- PROPOSED SPOT GRADE
- PROPOSED TOP OF CURB
- PROPOSED SPOT GRADE TO MATCH EXISTING
- PROPOSED DIRECTIONAL SLOPE ARROW
- PROPOSED SWALE
- PROPOSED INLET
- PROPOSED STORM MANHOLE

GRADING NOTES

1. EXISTING TOPOGRAPHY OBTAINED BY R.SMITH, INC. 10/14/2025, REVISED 02/09/2026
2. CONTRACTOR TO VERIFY ALL EXISTING TOPOGRAPHY AND STRUCTURES ON THE SITE AND IMMEDIATELY NOTIFY THE ENGINEER ON ANY DISCREPANCIES PRIOR TO STARTING WORK.
3. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATIONS OF ALL GRADING AND FOR ACTUAL LAND BALANCE, INCLUDING UTILITY TRENCH SPOIL. THE CONTRACTOR SHALL IMPORT OR EXPORT MATERIAL AS NECESSARY TO COMPLETE THE PROJECT.
4. GRADING SHALL CONSIST OF CLEARING AND GRUBBING EXISTING VEGETATION, STRIPPING TOPSOIL, REMOVAL OF EXISTING PAVEMENT OR FOUNDATIONS, IMPORTING OR EXPORTING MATERIAL TO ACHIEVE AND ON-SITE EARTHWORK BALANCE, GRADING THE PROPOSED BUILDING PADS AND PAVEMENT AREAS, SCREPPING AND FINAL COMPACTION OF THE PAVEMENT SUBGRADE, AND PLACEMENT OF TOPSOIL.
5. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT INCLUDED IN THE BID DOCUMENTS FOR STRUCTURAL FILL AND COMPACTION REQUIREMENTS.
6. FILL AND MATERIAL COMPACTION SHALL BE INSPECTED BY THE OWNERS TESTING AGENCY PRIOR TO PAVING.
7. THE CONTRACTOR SHALL MAINTAIN SITE DRAINAGE THROUGHOUT CONSTRUCTION. THIS MAY INCLUDE THE EXCAVATION OF TEMPORARY DITCHES OR PUMPING TO ALLEVIATE WATER PONDING.
8. NO FILL SHALL BE PLACED ON WET, FROZEN, OR SOFT SUBGRADE.
9. ALL SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A MAXIMUM 2.00% CROSS SLOPE AND A RUNNING SLOPE NO GREATER THAN 5.00%.
10. ADA STALLS SHOULD BE NO MORE THAN 2.00% IN ALL DIRECTIONS.
11. ALL DISTURBED LANDSCAPE AREAS SHALL BE RESTORED PER THE LANDSCAPE PLANS.
12. MAXIMUM SLOPE IN LANDSCAPE AREAS SHALL BE 4:1 UNLESS OTHERWISE NOTED.
13. WHEN GRADE FLOWS AWAY FROM PROPOSED CURB, REJECT CURB SHALL BE INSTALLED.
14. MATCH EXISTING ELEVATION AT LIMITS OF CONSTRUCTION.
15. ADJUST ALL EXISTING MANHOLES, VALVES, INLETS, ETC. TO FINISHED GRADE, AS NECESSARY.

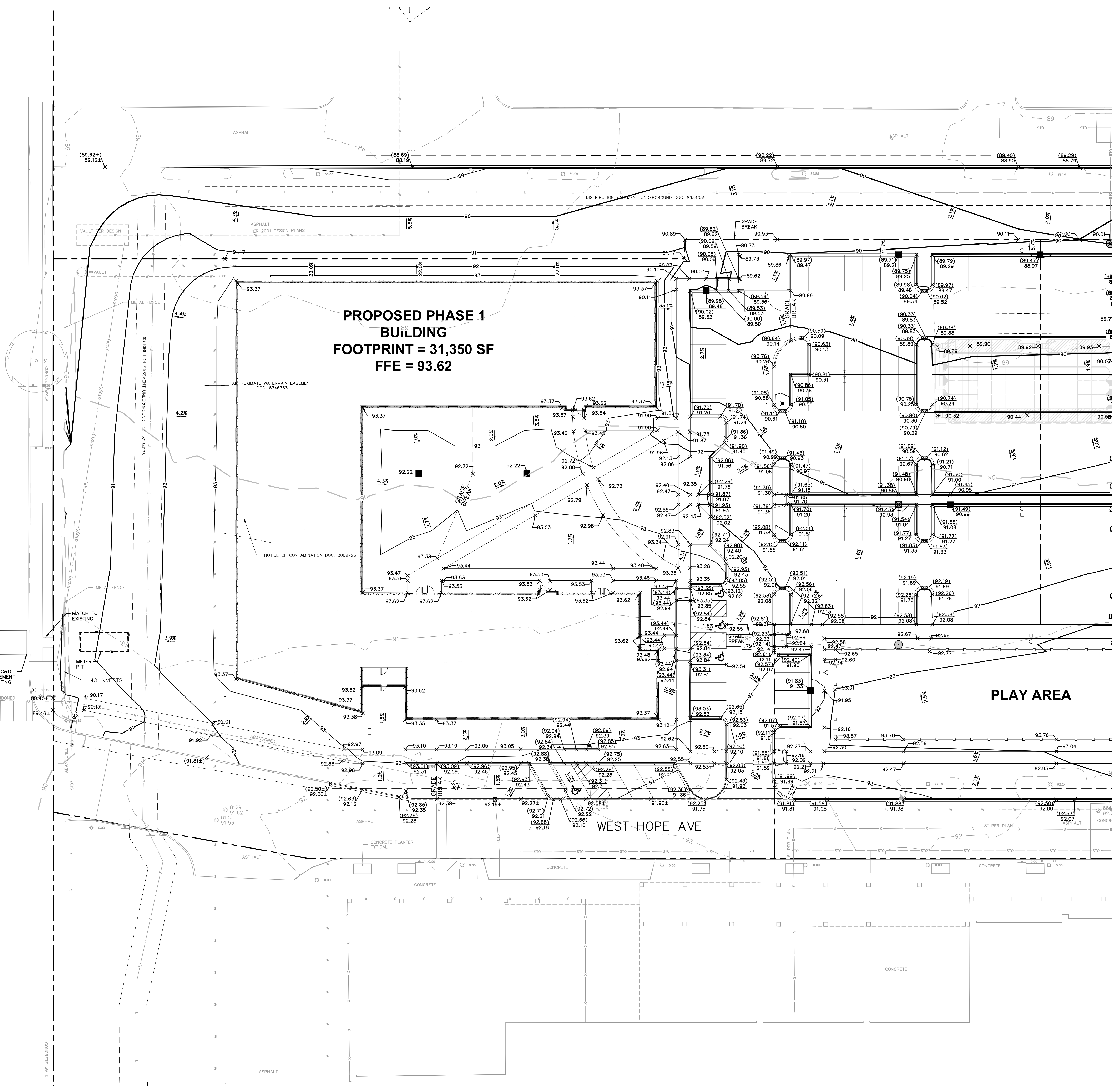
**PROPOSED PHASE 1
BUILDING
FOOTPRINT = 31,350 SF
FFE = 93.62**

PLAY AREA

WEST-HOPE AVE

NORTH 60TH STREET

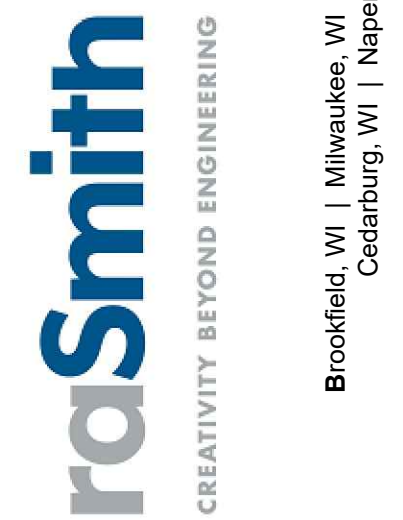
WEST HOPE AVE



DESCRIPTION

DATE

16745 W. Blumound Road
Brookfield, WI 53005-5938
(262) 791-1000
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**MIDTOWN APARTMENTS
MILWAUKEE, WISCONSIN
GRADING PLAN
WEST**



**Know what's below.
Call before you dig.**

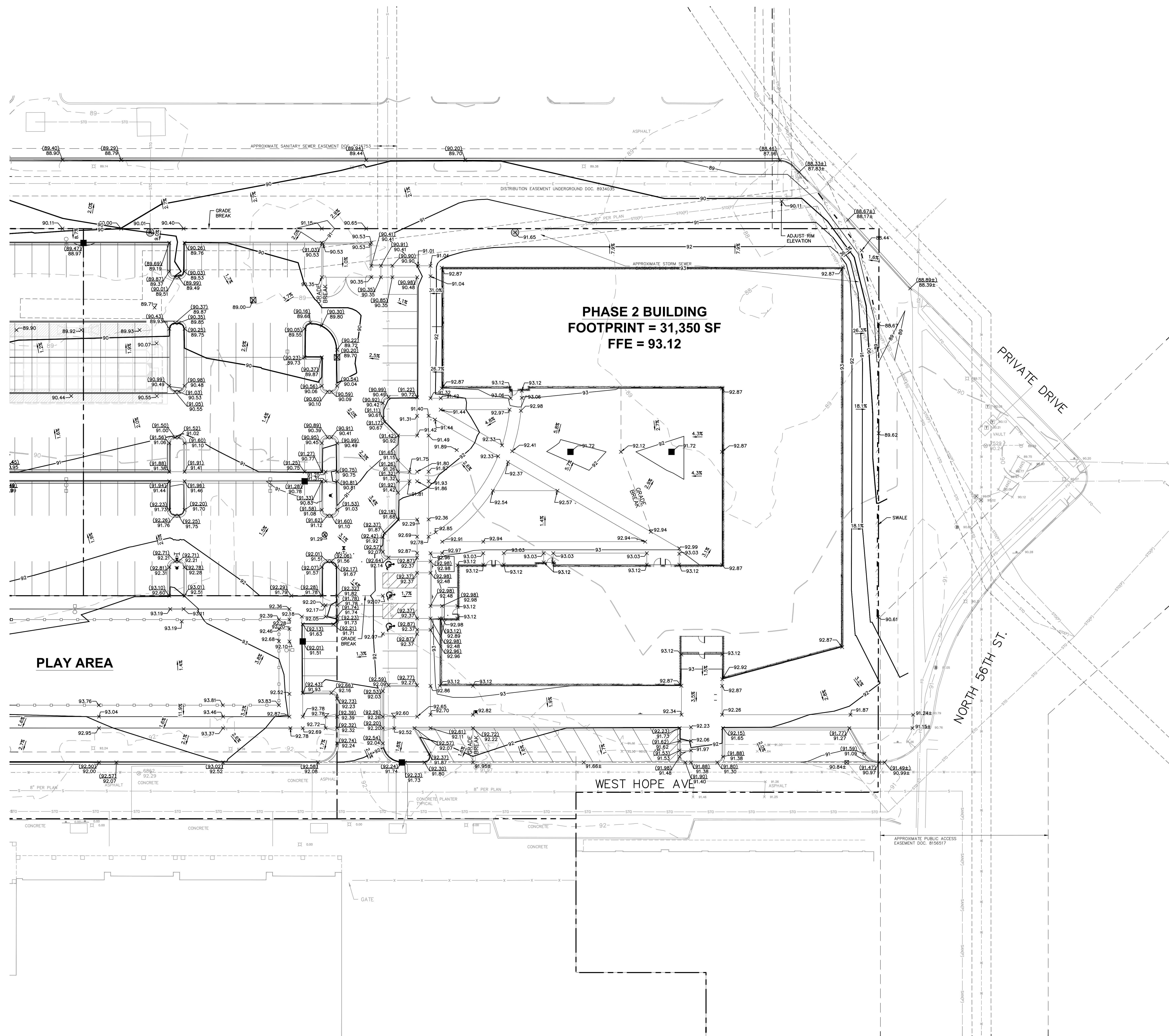
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THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

R.A. SMITH, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A. SMITH, INC.

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DATE: 03/18/2026
SCALE: 1" = 20'
PROJECT MANAGER: RYAN J. LANCOUR, P.E.
DESIGNED BY:
CHECKED BY:
SHEET NUMBER C401



GRADING LEGEND

- PROPOSED PROPERTY LINE
- - - GRADE BREAK
- EXISTING 1-FOOT GRADE CONTOUR
- EXISTING 5-FOOT GRADE CONTOUR
- PROPOSED 1-FOOT GRADE CONTOUR
- PROPOSED 5-FOOT GRADE CONTOUR
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DESCRIPTION

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Brookfield, WI | Milwaukee, WI | Appleton, WI | Madison, WI
Cedarburg, WI | Naperville, IL | Irvine, CA

**MIDTOWN APARTMENTS
MILWAUKEE, WISCONSIN**

**GRADING PLAN
EAST**



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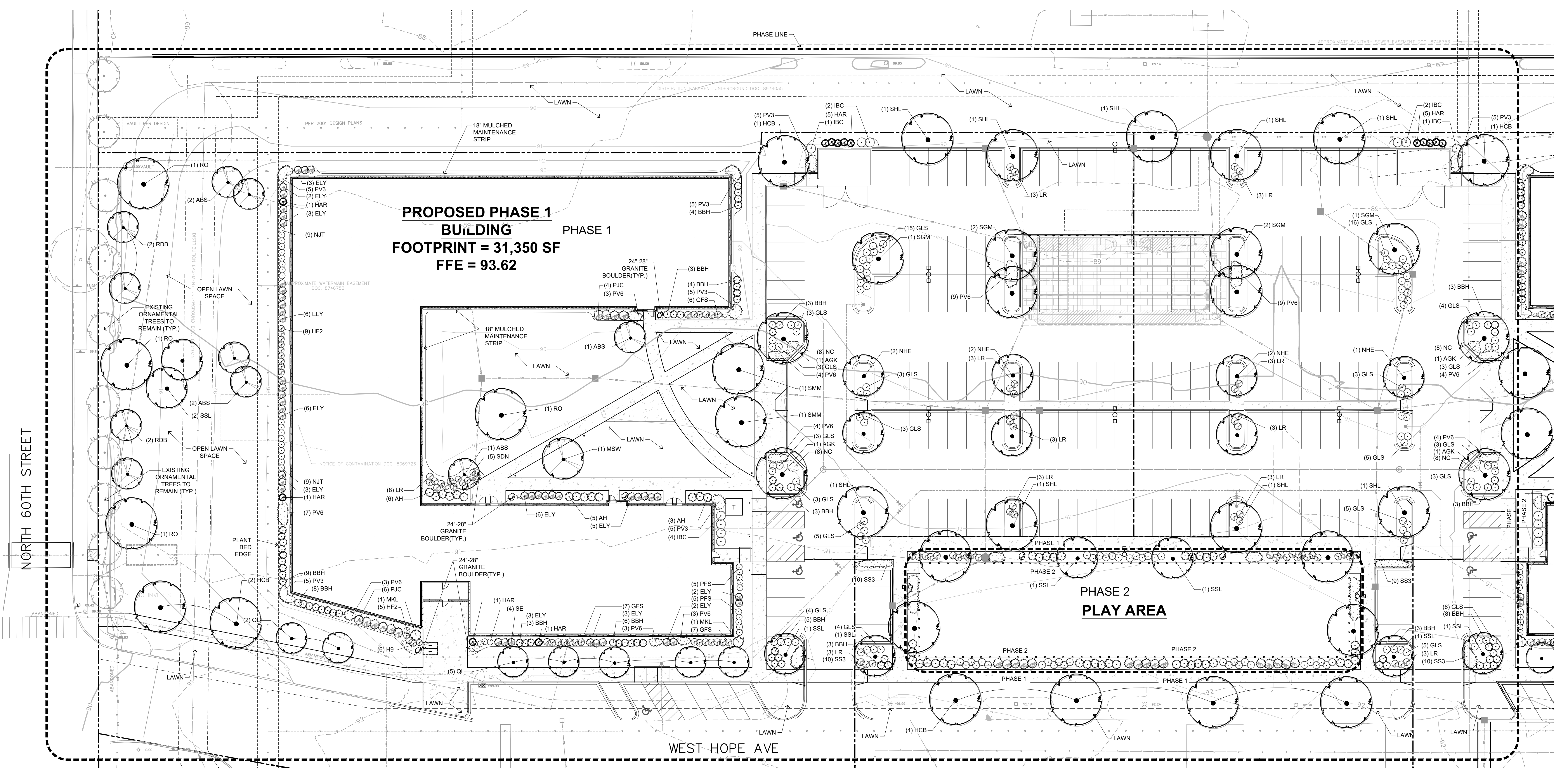
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DATE: 03/18/2026
SCALE: 1" = 20'
PROJECT NUMBER: JOB NO. 3250202
PROJECT MANAGER: RYAN J. LANCOUR, P.E.
DESIGNED BY:
CHECKED BY:
SHEET NUMBER C402

5825 W HOPE AVENUE - MULTI-FAMILY DEVELOPMENT PHASE 1 & 2
N 60TH STREET & W HOPE AVE

ADDITIONAL SUPPORTING INFORMATION & DOCUMENTS

5: LANDSCAPE PLANS



PROPOSED PHASE 1 BUILDING
PHASE 1
FOOTPRINT = 31,350 SF
FFE = 93.62

PHASE 2 PLAY AREA

PLANT SCHEDULE PHASE 1

CODE	QTY	COMMON NAME	BOTANICAL NAME	INSTALLED SIZE	ROOT	SPACING	MATURE SIZE	REMARKS
EVERGREEN TREES								
HAR	14	Holmstrup Arborvitae	<i>Thuja occidentalis</i> 'Holmstrup'	5 HT	B&B	Spacing as shown	10' x 4'	Semi-sheared, fully branched to ground
SHADE TREES								
SMM	2	State Street Myrtle Maple	<i>Acer myriabil</i> 'Morton' State Stree	2 1/2" CAL	B&B	Spacing as shown	35' x 35'	Full, matching heads
SGM	6	Sierra Glenn Maple	<i>Acer x freemanii</i> 'Sienna'	2 1/2" CAL	B&B	Spacing as shown	45' x 35'	Full, matching heads
HCB	7	Common Hackberry	<i>Celtis occidentalis</i>	2 1/2" CAL	B&B	Spacing as shown	50' x 50'	Full, matching heads
AGK	4	Autumn Gold Gringo	<i>Ginkgo biloba</i> 'Autumn Gold' TM	2 1/2" CAL	B&B	Spacing as shown	45' x 30'	Full, matching heads
SHL	9	Shademaster Locust	<i>Gleditsia triacanthos inermis</i> 'Shademaster'	2 1/2" CAL	B&B	Spacing as shown	50' x 35'	Full, matching heads
QL	7	Regal Pinetop Oak	<i>Quercus rubra</i> x bicolor 'Long'	2 1/2" CAL	CONT	Spacing as shown	45' x 18'	Limb'd up
RO	4	Red Oak	<i>Quercus rubra</i>	2 1/2" CAL	B&B	Spacing as shown	70' x 70'	Full, matching heads
SSL	6	Sweet Street Linden	<i>Tilia americana</i> 'Kromm'	2 1/2" CAL	B&B	Spacing as shown	50' x 25'	Full, matching heads
NHE	7	New Horizon Elm	<i>Ulmus x</i> 'New Horizon'	2 1/2" CAL	B&B	Spacing as shown	35' x 20'	Full, matching heads
ORNAMENTAL TREES								
ABS	6	Autumn Brilliance Serviceberry	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	2" CAL	B&B	Spacing as shown	20' x 20'	Full, matching heads
MSW	1	Musclewood	<i>Carpinus caroliniana</i>	2" CAL	B&B	Spacing as shown	25' x 25'	Full, matching heads
ROB	4	Eastern Redbud	<i>Cercis canadensis</i>	2" CAL	B&B	Spacing as shown	25' x 30'	Full, matching heads, Northern Grown
DECIDUOUS SHRUBS								
IBC	10	Iroquois Beauty Black Chokeberry	<i>Aronia melanocarpa</i> 'Morton'	24" HT	CONT	Spacing as shown	4' x 4.5'	
NJT	18	New Jersey Tea	<i>Ceanothus americanus</i>	18" HT	CONT	Spacing as shown	2.5' x 3'	
SDN	5	Niko Slender Deutzia	<i>Deutzia gracilis</i> 'Niko'	18" SPD	CONT	Spacing as shown	2' x 4'	
LR	38	Kodiak Orange Diervilla	<i>Diervilla x</i> 'S238564'	18" HT	CONT	Spacing as shown	3.5' x 3.5'	
AH	14	Annabelle Smooth Hydrangea	<i>Hydrangea arborescens</i> 'Annabelle'	18" HT	CONT	Spacing as shown	4' x 4'	
HF2	14	Tiny Quick Fire™ Hydrangea	<i>Hydrangea paniculata</i> 'SMNHPSB'	18" HT	CONT	Spacing as shown	3' x 3'	
BBH	68	Bobo® Hydrangea	<i>Hydrangea paniculata</i> 'L'VBOB'	18" HT	CONT	Spacing as shown	3' x 3.5'	
GLS	96	Go-Low Fragrant Sumac	<i>Rhus aromatica</i> 'Go-Low'	18" SPD	CONT	Spacing as shown	2.5' x 4'	
PFS	10	Prink-a-Licious™ Frisch Spirea	<i>Spiraea fritchiana</i> 'J.N. Select A'	18" HT	CONT	Spacing as shown	2.5' x 2.5'	
GFS	20	Goldflame Spirea	<i>Spiraea japonica</i> 'Goldflame'	18" HT	CONT	Spacing as shown	2.5' x 3.5'	
MKL	2	Miss Kim Lilac	<i>Syringa patula</i> 'Miss Kim'	24" HT	CONT	Spacing as shown	6.5' x 5.5'	
SE	4	Baby Kim® Dwarf Lilac	<i>Syringa x</i> 'SMNSDTP'	18" HT	CONT	Spacing as shown	2.5' x 3'	
EVERGREEN SHRUBS								
PJC	10	Kalloy Compact Pfitzer Juniper	<i>Juniperus chinensis</i> 'Kallays Compact'	18" SPD	CONT	Spacing as shown	2' x 5'	
ELY	44	Everlow Yew	<i>Taxus x media</i> 'Everlow'	18" SPD	CONT	Spacing as shown	1.5' x 5'	
ORNAMENTAL GRASSES								
CA4	14	Karl Foerster Feather Reed Grass	<i>Calamagrostis x acutiflora</i> 'Karl Foerster'	1 GAL	CONT	24" Spacing	5' x 2'	
PV6	43	Apache Rose Switch Grass	<i>Panicum virgatum</i> 'Apache Rose'	1 GAL	CONT	30" Spacing	3' x 2.5'	
PV3	25	Heavy Metal Switch Grass	<i>Panicum virgatum</i> 'Heavy Metal'	1 GAL	CONT	30" Spacing	5' x 2.5'	
PERENNIALS								
H9	6	Apricot Sparkles Daylily	<i>Hemerocallis x</i> 'Apricot Sparkles'	1 GAL	POT	18" Spacing	1.5' x 1.5'	
NC	32	Cat's Pajamas Catmint	<i>Nepeta x</i> 'Cat's Pajamas'	1 GAL	POT	18" Spacing	1.25' x 1.5'	

PLANT SCHEDULE PHASE 2

CODE	QTY	COMMON NAME	BOTANICAL NAME	INSTALLED SIZE	ROOT	SPACING	MATURE SIZE	REMARKS
EVERGREEN TREES								
HAR	4	Holmstrup Arborvitae	<i>Thuja occidentalis</i> 'Holmstrup'	5 HT	B&B	Spacing as shown	10' x 4'	Semi-sheared, fully branched to ground
SHADE TREES								
SMM	6	State Street Myrtle Maple	<i>Acer myriabil</i> 'Morton' State Stree	2 1/2" CAL	B&B	Spacing as shown	35' x 35'	Full, matching heads
HCB	1	Common Hackberry	<i>Celtis occidentalis</i>	2 1/2" CAL	B&B	Spacing as shown	50' x 50'	Full, matching heads
QL	7	Regal Pinetop Oak	<i>Quercus robur</i> x bicolor 'Long'	2 1/2" CAL	CONT	Spacing as shown	45' x 18'	Limb'd up
RO	1	Red Oak	<i>Quercus rubra</i>	2 1/2" CAL	B&B	Spacing as shown	70' x 70'	Full, matching heads
SSL	2	Sweet Street Linden	<i>Tilia americana</i> 'Kromm'	2 1/2" CAL	B&B	Spacing as shown	50' x 25'	Full, matching heads
ORNAMENTAL TREES								
ABS	2	Autumn Brilliance Serviceberry	<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	2" CAL	B&B	Spacing as shown	20' x 20'	Full, matching heads
MSW	1	Musclewood	<i>Carpinus caroliniana</i>	2" CAL	B&B	Spacing as shown	25' x 25'	Full, matching heads
DECIDUOUS SHRUBS								
IBC	4	Iroquois Beauty Black Chokeberry	<i>Aronia melanocarpa</i> 'Morton'	24" HT	CONT	Spacing as shown	4' x 4.5'	
NJT	18	New Jersey Tea	<i>Ceanothus americanus</i>	18" HT	CONT	Spacing as shown	2.5' x 3'	
SDN	5	Niko Slender Deutzia	<i>Deutzia gracilis</i> 'Niko'	18" SPD	CONT	Spacing as shown	2' x 4'	
LR	33	Kodiak Orange Diervilla	<i>Diervilla x</i> 'S238564'	18" HT	CONT	Spacing as shown	3.5' x 3.5'	
AH	14	Annabelle Smooth Hydrangea	<i>Hydrangea arborescens</i> 'Annabelle'	18" HT	CONT	Spacing as shown	4' x 4'	
HF2	14	Tiny Quick Fire™ Hydrangea	<i>Hydrangea paniculata</i> 'SMNHPSB'	18" HT	CONT	Spacing as shown	3' x 3'	
BBH	37	Bobo® Hydrangea	<i>Hydrangea paniculata</i> 'L'VBOB'	18" HT	CONT	Spacing as shown	3' x 3.5'	
HL	35	Little Quick Fire® Hydrangea	<i>Hydrangea paniculata</i> 'SMHPLQF'	18" HT	CONT	Spacing as shown	4' x 4'	
GLS	36	Go-Low Fragrant Sumac	<i>Rhus aromatica</i> 'Go-Low'	18" SPD	CONT	Spacing as shown	2.5' x 4'	
PFS	15	Prink-a-Licious™ Frisch Spirea	<i>Spiraea fritchiana</i> 'J.N. Select A'	18" HT	CONT	Spacing as shown	2.5' x 2.5'	
GFS	20	Goldflame Spirea	<i>Spiraea japonica</i> 'Goldflame'	18" HT	CONT	Spacing as shown	2.5' x 3.5'	
MKL	2	Miss Kim Lilac	<i>Syringa patula</i> 'Miss Kim'	24" HT	CONT	Spacing as shown	6.5' x 5.5'	
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PJC	29	Kalloy Compact Pfitzer Juniper	<i>Juniperus chinensis</i> 'Kallays Compact'	18" SPD	CONT	Spacing as shown	2' x 5'	
ELY	44	Everlow Yew	<i>Taxus x media</i> 'Everlow'	18" SPD	CONT	Spacing as shown	1.5' x 5'	
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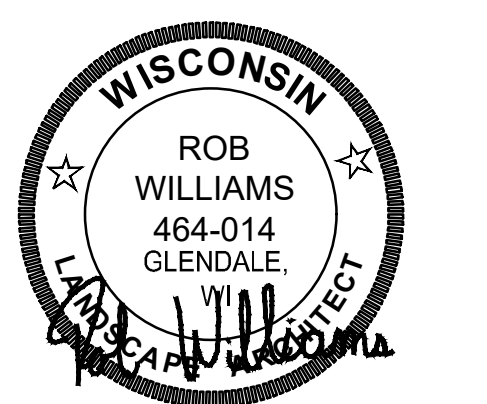
CITY OF MILWAUKEE - LANDSCAPE CALCULATIONS
 Zoning code Special Planned Development

TABLE 295-405-3-a SCREENING PARKING LOTS AND VEHICLE OPERATING AREAS FROM STREETS- required when parking is within 20' of residential property - not applicable

TABLE 295-405-3-b SCREENING PARKING LOTS AND VEHICLE OPERATING AREAS FROM RESIDENTIAL DISTRICTS- required when parking is within 20' of residential property - not applicable.

295-405-3-c Parking Lot Landscaping Requirements
 - 295-405-3-c requires 1 tree and 100 square feet of landscape area for every 4 stalls. Trees and landscaped areas to be within 50' of parking lot and no area of the parking lot shall be more than 100 feet from a landscaped area and no more than 150 feet from a canopy tree.

Parking Lot - 216 stalls requires 54 trees and 5400 square feet of landscape area. Landscape areas require 4 low shrubs or 8 perennials/ornamental grasses per 100 square feet, 216 shrubs or 432 perennials/ornamental grasses.
 - Provided 54 trees and 5,450 square feet of landscaped areas including street screening areas.
 - Provided 163 shrubs and 115 perennials/ornamental grasses.

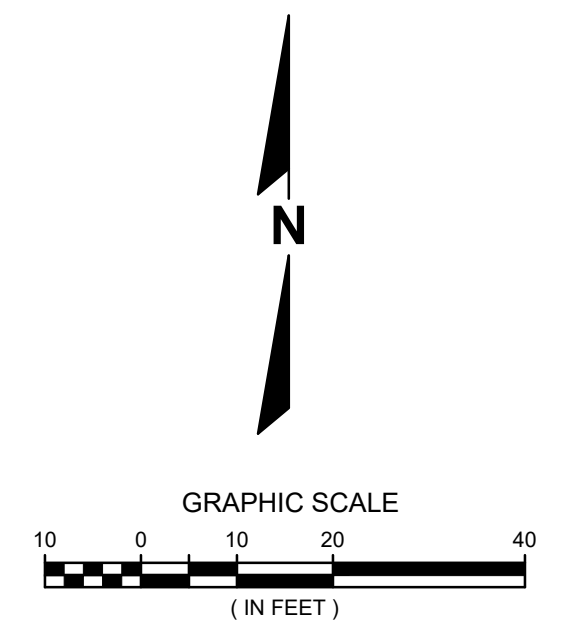


DATE: 03-12-2026



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MIDTOWN APARTMENTS MILWAUKEE, WISCONSIN

SITE LANDSCAPE PLAN PHASE 1

DESCRIPTION: _____
 DATE: _____

16745 W. Bluemound Road
 Brookfield, WI 53005-5938
 (262) 791-1000
 rosmith.com

roSmith
 CREATIVITY BEYOND ENGINEERING

Brookfield, WI | Appleton, WI | Madison, WI
 Cedarburg, WI | Naperville, IL | Irvine, CA

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 JOB NO. 3250202
 PROJECT MANAGER:
 RYAN J. LANCOUR, P.E.
 DESIGNED BY: REW
 CHECKED BY: REW
 SHEET NUMBER
 L100

5825 W HOPE AVENUE - MULTI-FAMILY DEVELOPMENT PHASE 1 & 2
N 60TH STREET & W HOPE AVE

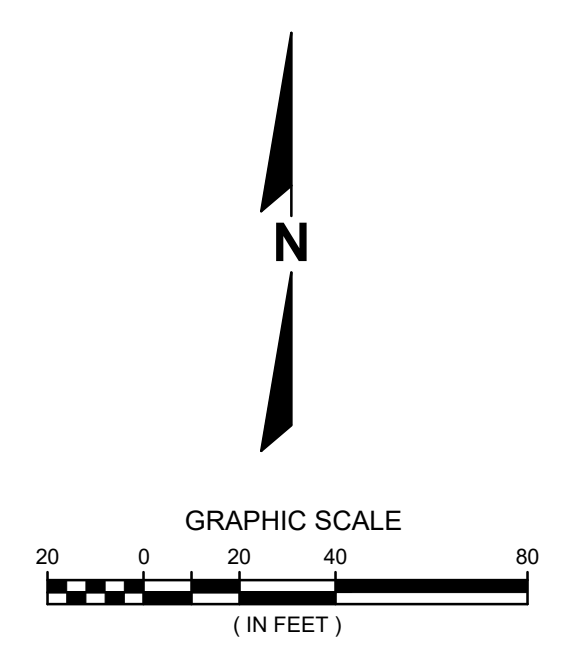
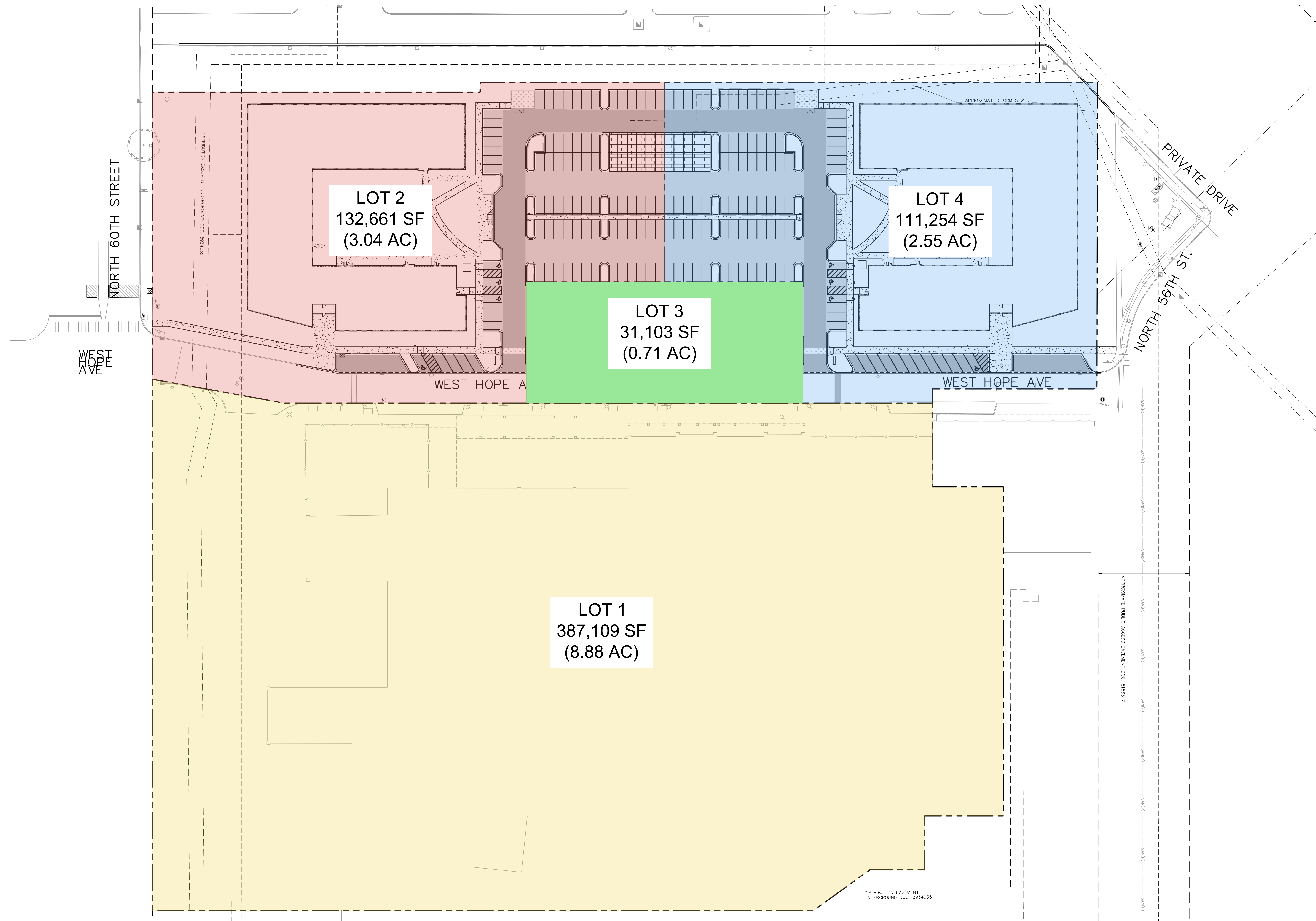
ADDITIONAL SUPPORTING INFORMATION & DOCUMENTS

6: ALTA SURVEY

**5825 W HOPE AVENUE - MULTI-FAMILY DEVELOPMENT PHASE 1 & 2
N 60TH STREET & W HOPE AVE**

ADDITIONAL SUPPORTING INFORMATION & DOCUMENTS

7: PROPOSED LOT LINE EXHIBIT



SITE & PAVING LEGEND

- PROPOSED PROPERTY LINE
- HEAVY-DUTY CONCRETE PAVEMENT
- CONCRETE SIDEWALK
- STANDARD-DUTY ASPHALT PAVEMENT
- HEAVY-DUTY ASPHALT PAVEMENT
- PERMEABLE PAVERS
- CITY OF MILWAUKEE CONCRETE PAVEMENT
- CITY OF MILWAUKEE CONCRETE SIDEWALK
- PROPOSED 18" HIGH-SIDE CURB & GUTTER (AS SHOWN ON SITE PLAN)
- PROPOSED 18" STANDARD CURB & GUTTER (AS SHOWN ON SITE PLAN)
- PROPOSED ACCESSIBLE PAVEMENT MARKING VAN ACCESSIBLE STALL
- PARKING STALL COUNT

SITE & PAVING NOTES

1. EXISTING TOPOGRAPHY OBTAINED BY R.A.SMITH, INC. 10/14/2025, REVISED 02/09/2026.
2. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR PRECISE BUILDING DIMENSIONS, DOOR LOCATION, AND BUILDING UTILITY ENTRANCE LOCATIONS, ETC.
3. CONTRACTOR SHALL PROVIDE EROSION CONTROL FACILITIES IN ACCORDANCE WITH THE CITY OF MILWAUKEE EROSION CONTROL ORDINANCE AND STATE OF WISCONSIN TECHNICAL STANDARDS.
4. ALL DIMENSIONS AND CORRESPONDING HORIZONTAL CONTROL RELATED TO PAVING REPRESENT FACE OF CURB. BUILDINGS ARE DIMENSIONED TO FACE OF BUILDING.
5. ALL CURB RADI ARE MEASURED TO FACE OF CURB. CURB RADI ARE 3' UNLESS OTHERWISE NOTED.
6. ALL CURB SHALL BE 18" CONCRETE CURB, UNLESS OTHERWISE NOTED.
7. ALL SITE SIGNAGE AND MARKINGS MUST COMPLY WITH THE MOST RECENT EDITION OF THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
8. ALL IMPROVEMENTS ARE TO BE MADE IN COMPLIANCE WITH WISCONSIN ADA STANDARDS.
9. SEE LANDSCAPE PLAN FOR PLANTING INFORMATION IN UNPAVED AREAS.
10. SEE ARCHITECT PLANS FOR SITE SIGNAGE DETAILS.



CONTRACTOR SHALL PROVIDE EROSION CONTROL FACILITIES IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION EROSION CONTROL ORDINANCE, THE WISCONSIN DNR STORMWATER CONSTRUCTION AND POST CONSTRUCTION TECHNICAL STANDARDS, WDRR PERMIT CONDITIONS, AND THESE DOCUMENTS, THE MOST STRINGENT TO APPLY.

THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS AS SHOWN ON THIS PLAN ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

R.A.SMITH, INC. ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITY OR COSTS RESULTING FROM CHANGES OR ALTERATIONS MADE TO THIS PLAN WITHOUT THE EXPRESSED WRITTEN CONSENT OF R.A.SMITH, INC.

ALL COPYRIGHTS TO THESE DRAWINGS ARE RESERVED. THEY MAY NOT BE COPIED, CHANGED, OR ASSIGNED TO ANY THIRD PARTY IN ANY MANNER WITHOUT OBTAINING THE EXPRESSED WRITTEN PERMISSION OF R.A.SMITH, INC.

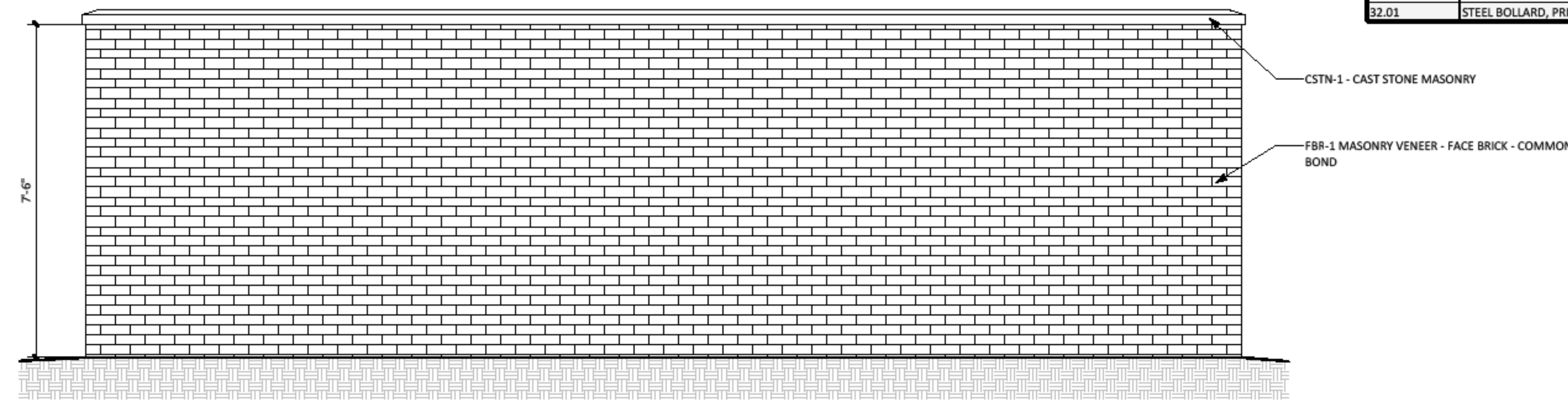
	DESCRIPTION
DATE	
16745 W. Bluemound Road Brookfield, WI 53005-5938 (262) 781-1000 rasmith.com	
 CREATIVITY BEYOND ENGINEERING	
Brookfield, WI Appleton, WI Madison, WI Cedarburg, WI Naperville, IL Irvine, CA	
MIDTOWN APARTMENTS MILWAUKEE, WISCONSIN	LOT LINE EXHIBIT
 Know what's below. Call before you dig.	
© COPYRIGHT 2026 R.A. Smith, Inc.	
DATE: 02/13/2026	
SCALE: 1" = 40'	
PROJECT MANAGER: RYAN J. LANCOUR, P.E.	
DESIGNED BY: CRR	
CHECKED BY: RJL	
SHEET NUMBER LL-01	

5825 W HOPE AVENUE - MULTI-FAMILY DEVELOPMENT PHASE 1 & 2
N 60TH STREET & W HOPE AVE

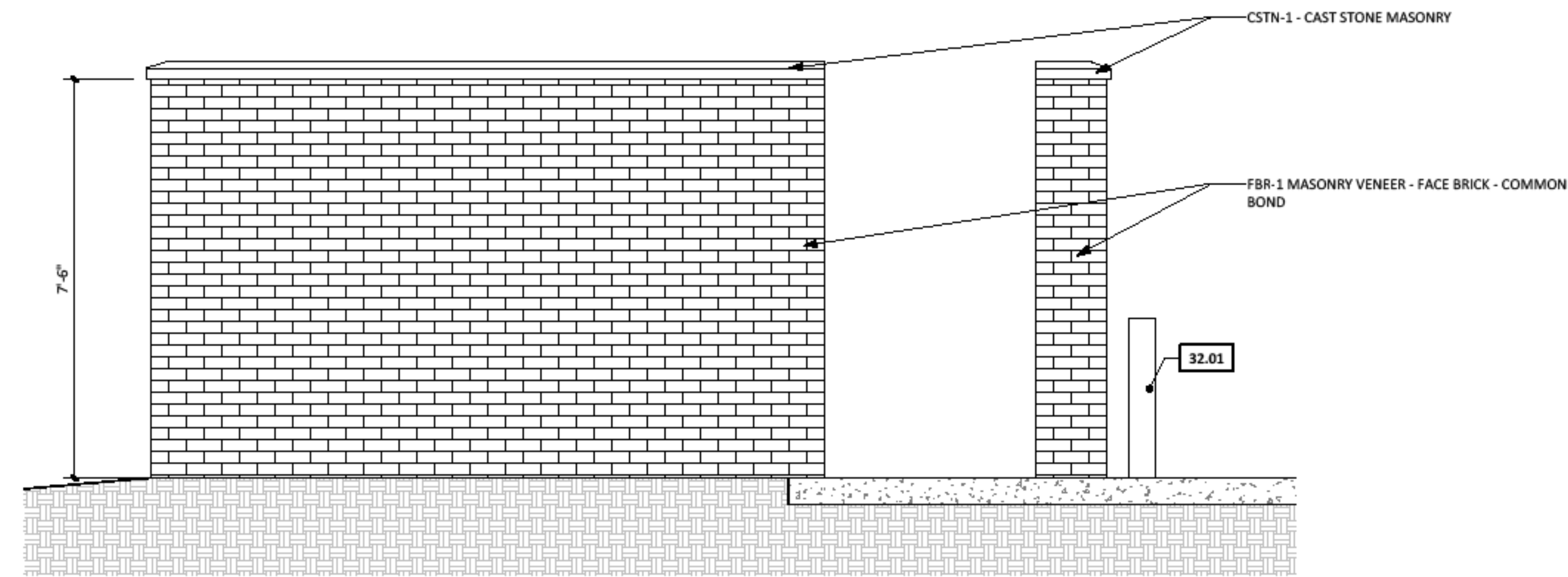
ADDITIONAL SUPPORTING INFORMATION & DOCUMENTS

8: TYPICAL TRASH ENCLOSURE

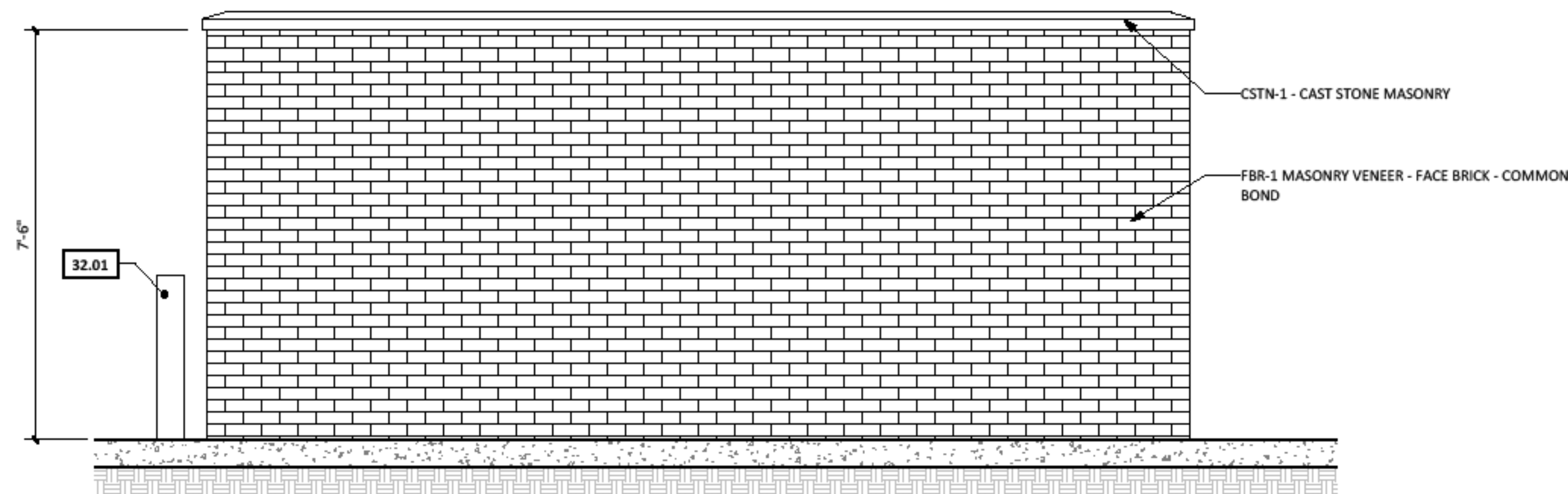
KEYNOTES	
KEY#	DESCRIPTION
32.01	STEEL BOLLARD, PRIME AND PAINT



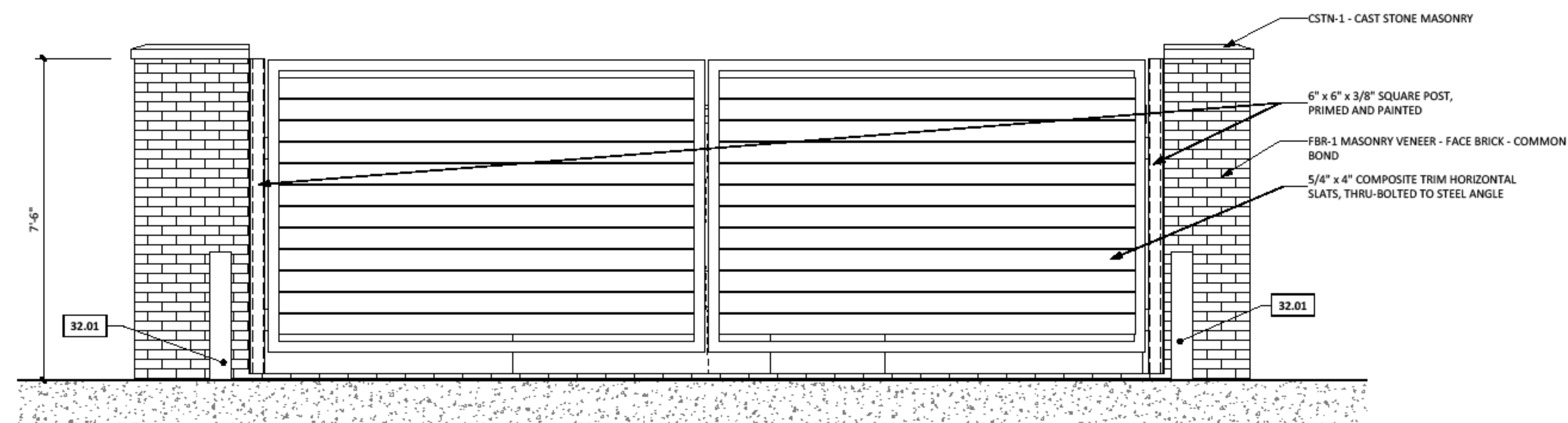
E6 TRASH ENCLOSURE NORTH
SCALE: 1/2" = 1'-0"



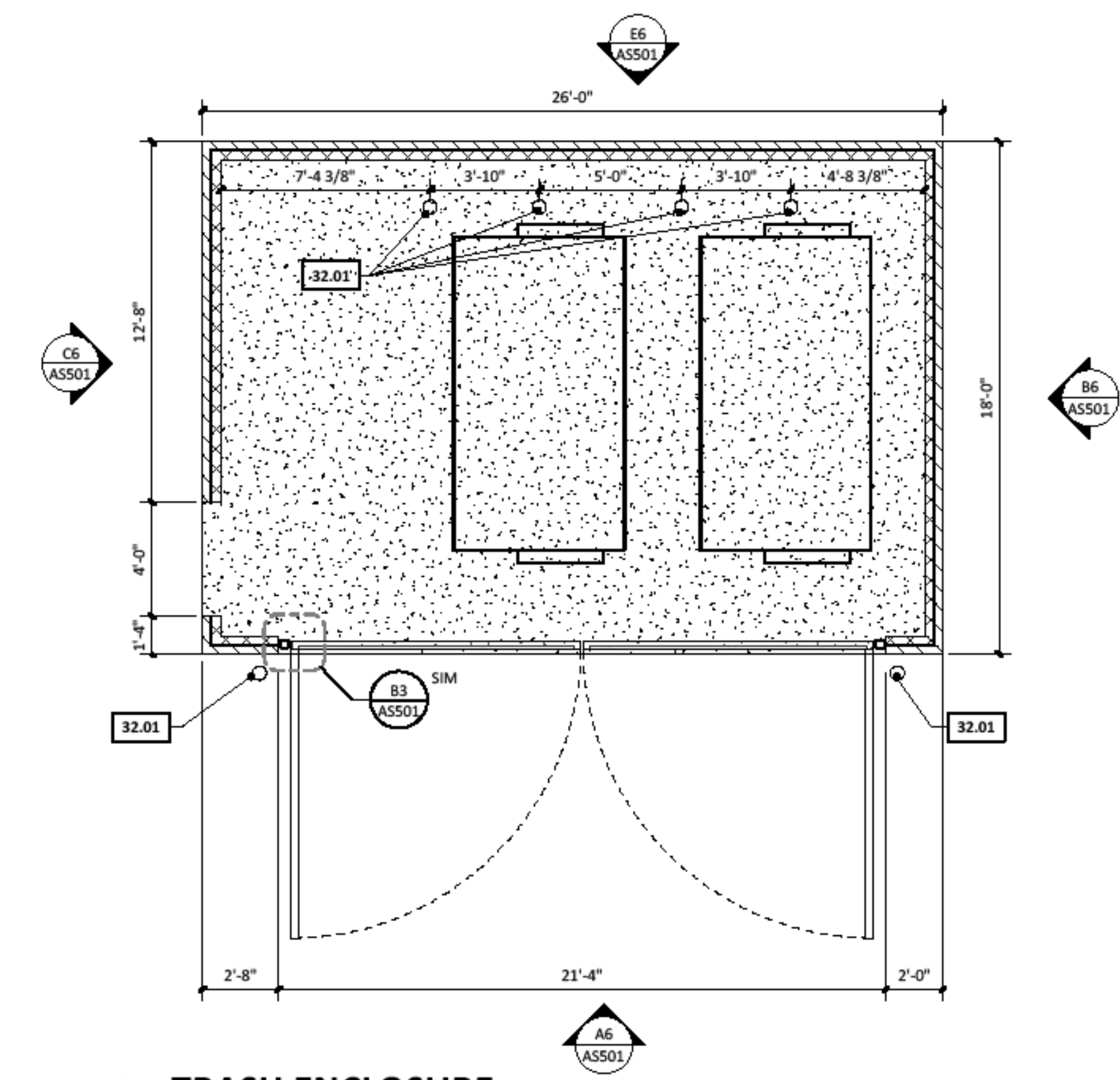
C6 TRASH ENCLOSURE WEST
SCALE: 1/2" = 1'-0"



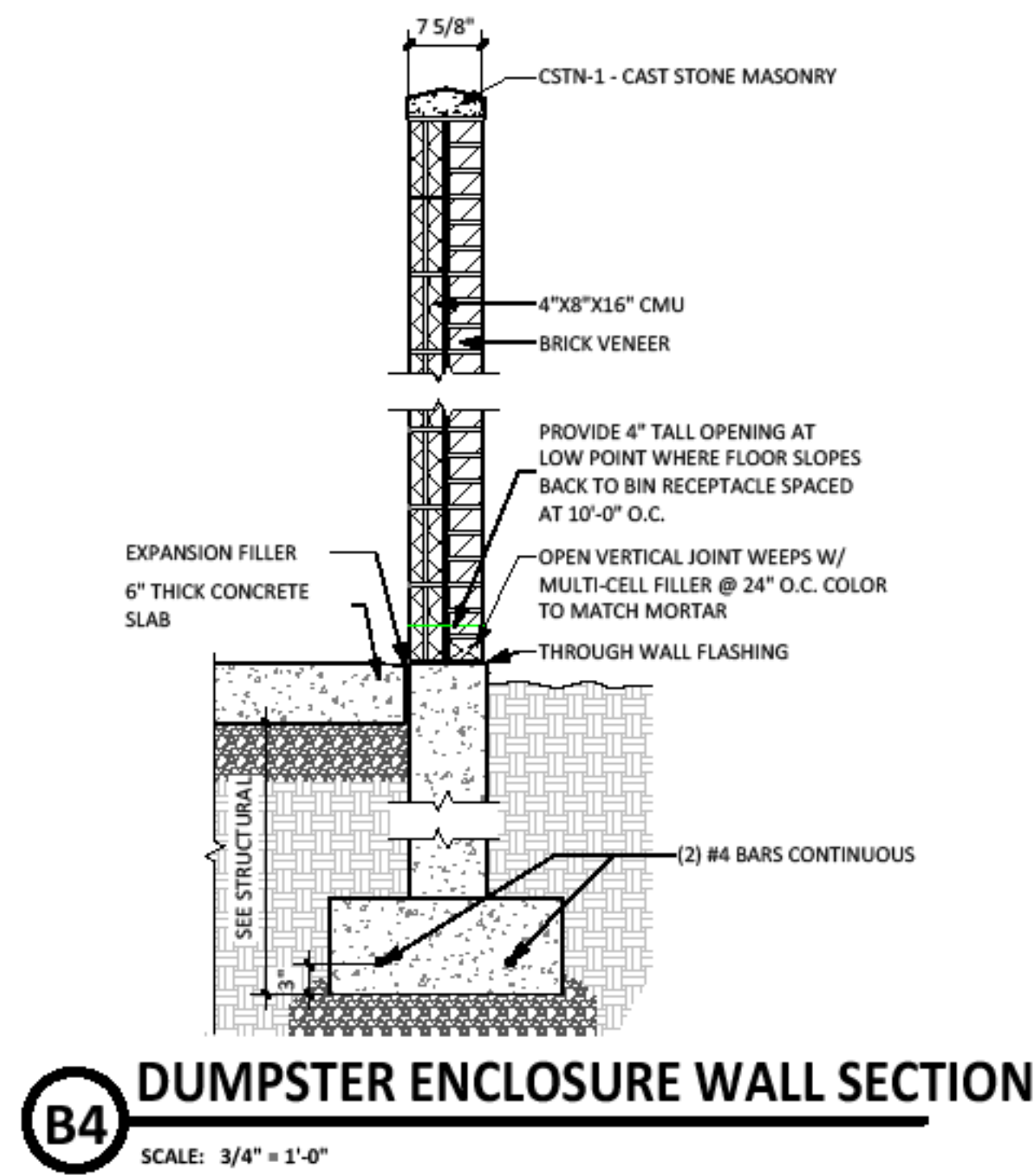
B6 TRASH ENCLOSURE EAST
SCALE: 1/2" = 1'-0"



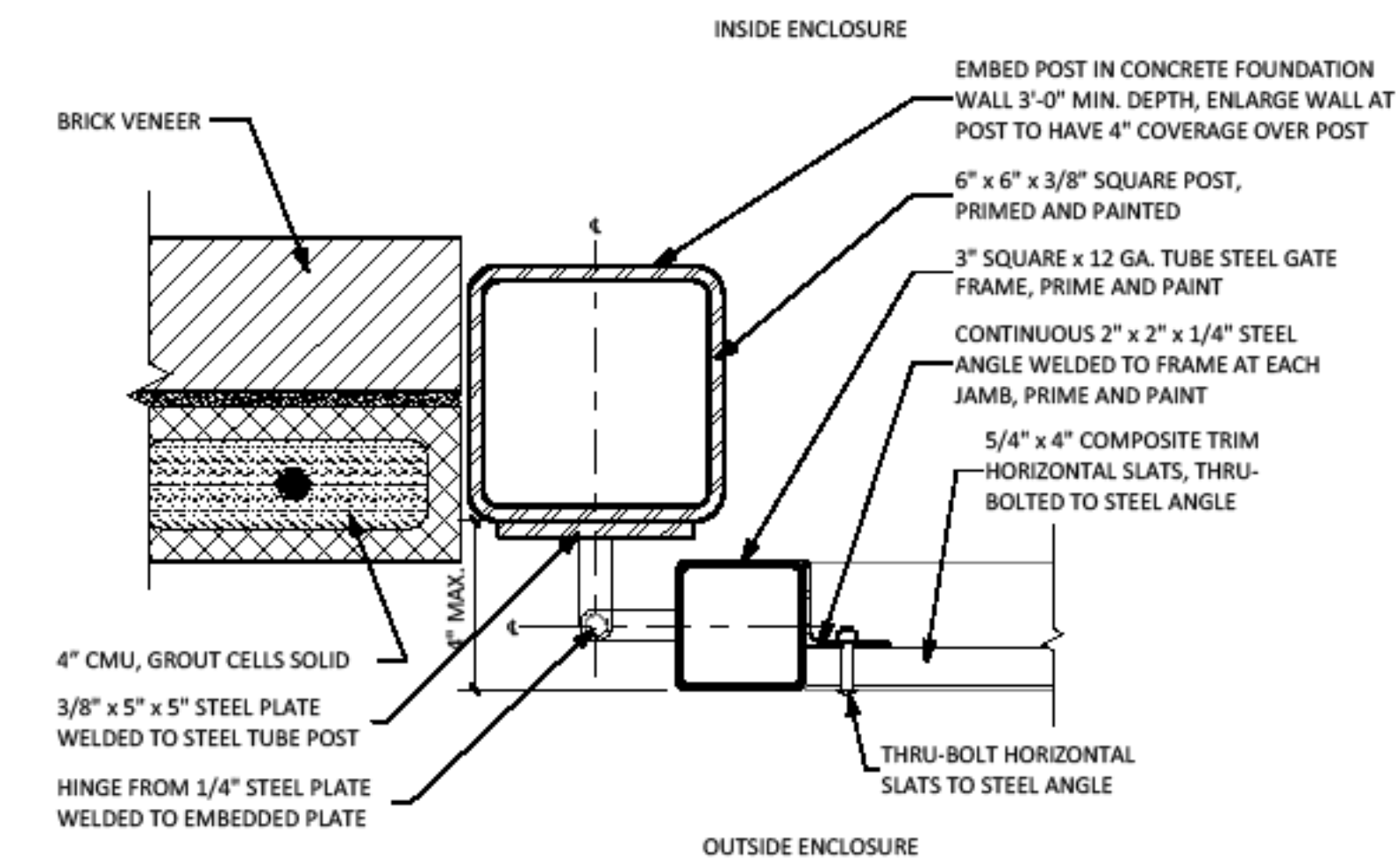
A6 TRASH ENCLOSURE SOUTH
SCALE: 1/2" = 1'-0"



D2 TRASH ENCLOSURE
SCALE: 1/4" = 1'-0"



B4 DUMPSTER ENCLOSURE WALL SECTION
SCALE: 3/4" = 1'-0"



B3 TRASH ENCLOSURE GATE @ JAMB1
SCALE: 3" = 1'-0"

**5825 W HOPE AVENUE - MULTI-FAMILY DEVELOPMENT PHASE 1 & 2
N 60TH STREET & W HOPE AVE**

ADDITIONAL SUPPORTING INFORMATION & DOCUMENTS

9: EXISTING SITE PHOTOGRAPHS



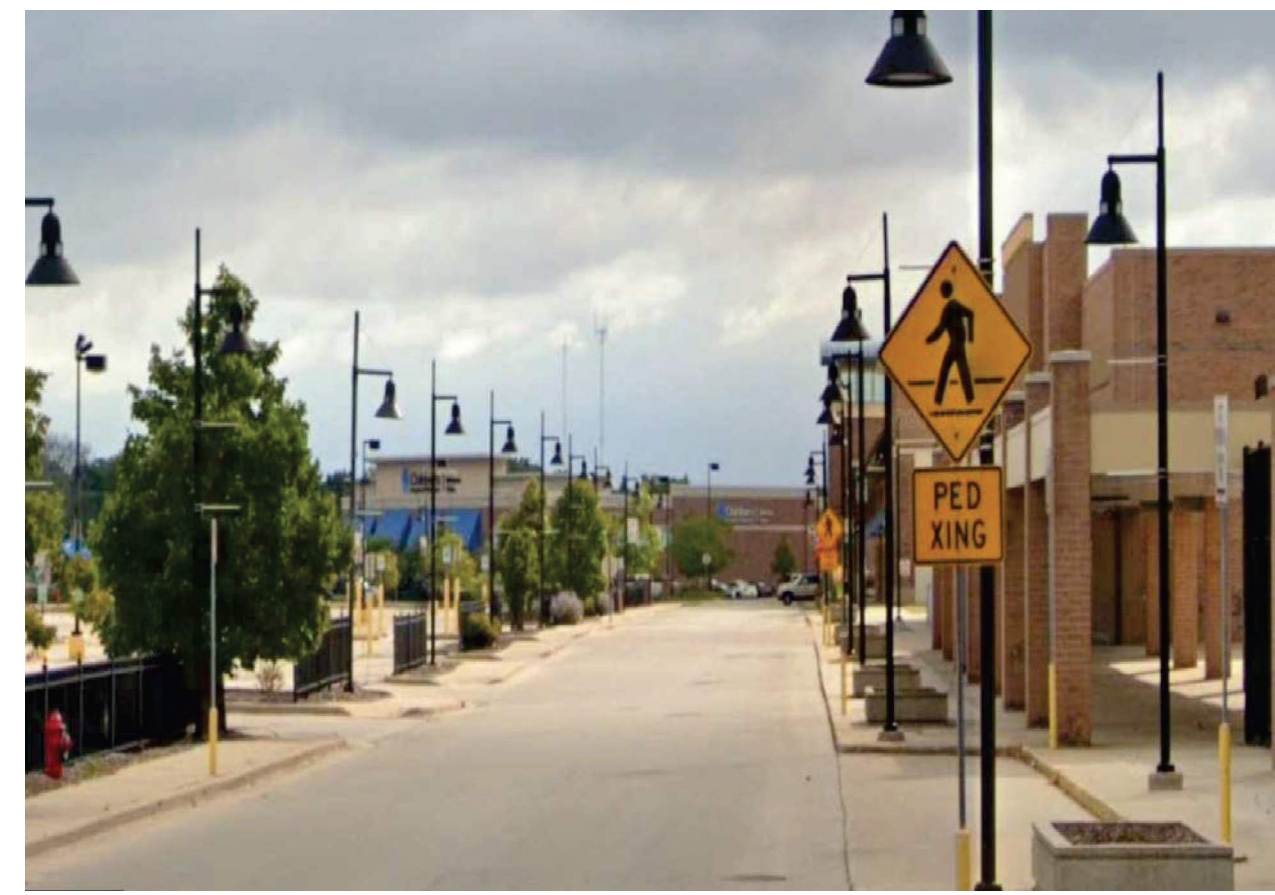
LOCATED AT NORTHEAST CORNER OF NORTH PARKING LOT LOOKING SOUTH TOWARD EXISTING BUILDING



LOCATED AT NORTHWEST CORNER OF EXISTING BUILDING LOOKING NORTH INTO PARKING



LOCATED AT NORTHWEST CORNER OF EXISTING BUILDING LOOKING NORTH INTO PARKING



WEST TO EAST VIEW OF W HOPE AVE.



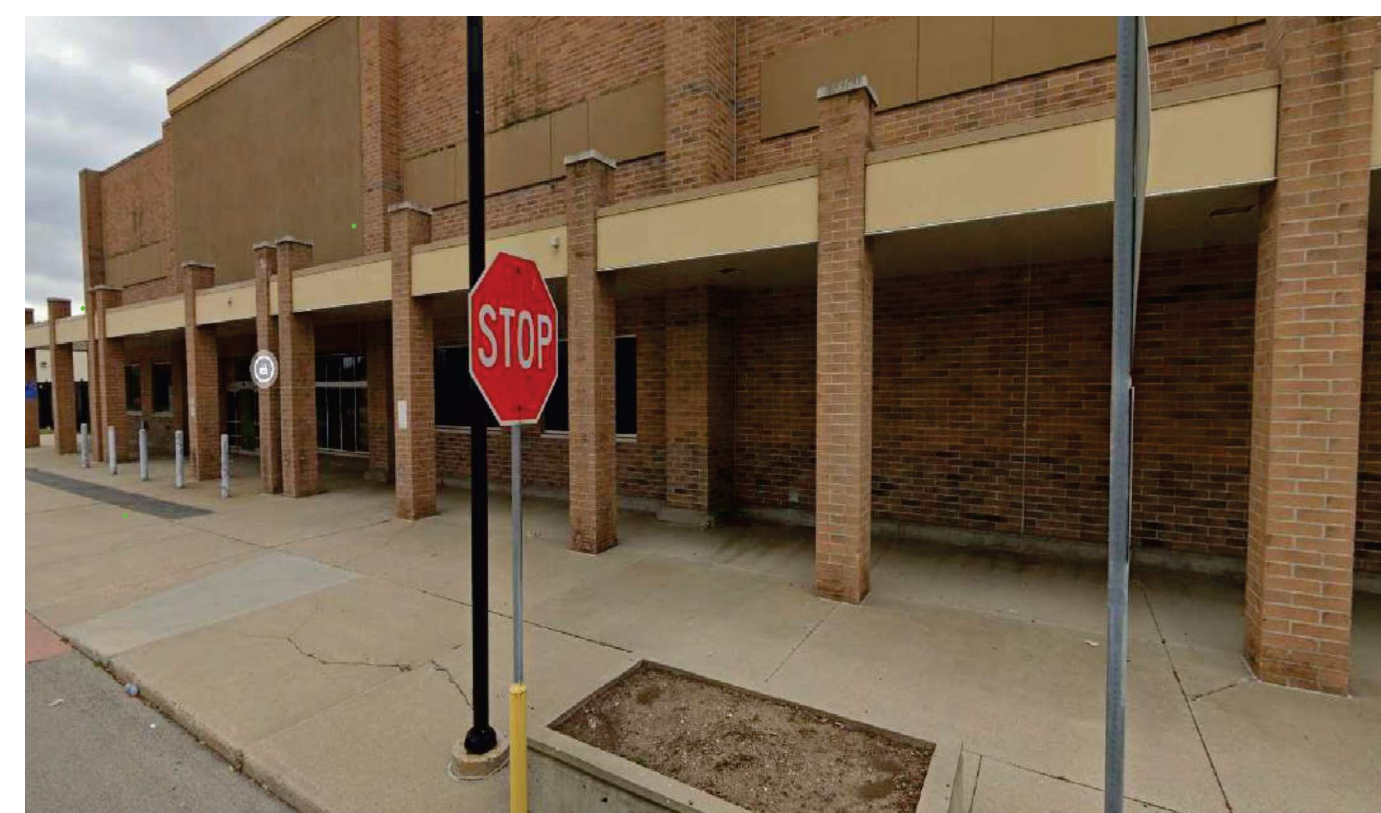
NORTH FACE OF EXISTING BUILDING



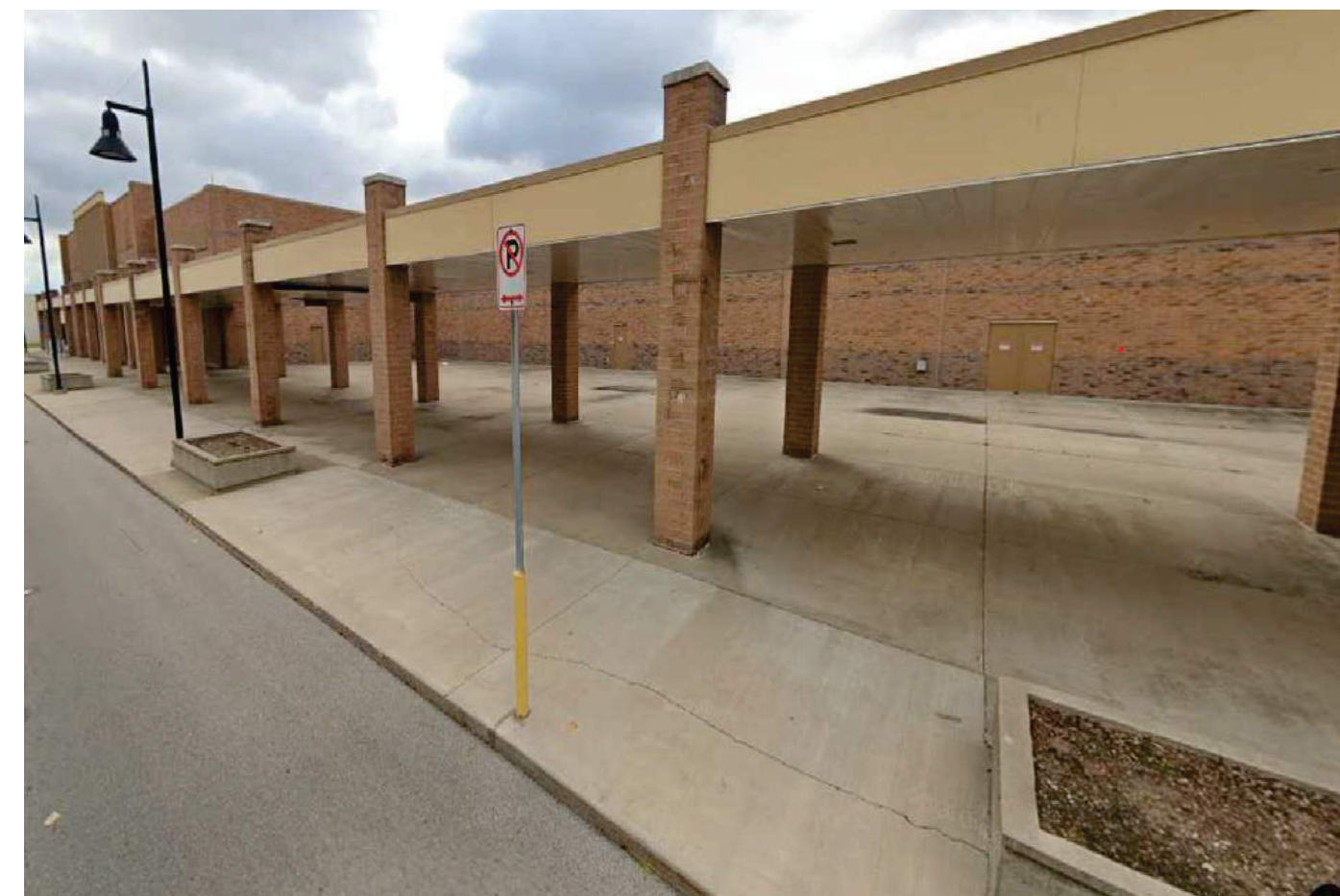
WEST TO EAST VIEW OF W HOPE AVE. IN FRONT OF EXISTING GREENHOUSES



NORTH SIDE OF BUILDING LOOKING WEST



NORTH SIDE OF EXISTING BUILDING - FORMER WALMART ENTRANCE



NORTH FACE OF BUILDING - COLONNADE



WEST SIDE OF EXISTING BUILDING



NORTHWEST SIDE OF BUILDING - EXISTING GREENHOUSES

NOTE: ALL IMAGES TAKEN JULY 2024

EXISTING SITE PHOTOGRAPHS

MIDTOWN COMMONS PHASE 1 & 2

3.18.2026

**5825 W HOPE AVENUE - MULTI-FAMILY DEVELOPMENT PHASE 1 & 2
N 60TH STREET & W HOPE AVE**

ADDITIONAL SUPPORTING INFORMATION & DOCUMENTS

10: EXISTING MIDTOWN CENTER PHOTOGRAPHS



EXISTING MIDTOWN CENTER - SELLARS ABSORBENT MATERIALS PLANT #3, LOOKING NORTH (PHOTO FROM GOOGLE MAPS, SEPTEMBER 2019)



EXISTING MIDTOWN CENTER - CULVERS, LOOKING SOUTH (PHOTO FROM GOOGLE MAPS, SEPTEMBER 2019)



EXISTING MIDTOWN CENTER - LOOKING SOUTHWEST (PHOTO FROM GOOGLE MAPS, NOVEMBER 2025)



EXISTING MIDTOWN CENTER - LOOKING SOUTH (PHOTO FROM GOOGLE MAPS, NOVEMBER 2025)

NOTE: ALL IMAGES TAKEN JULY 2024

EXISTING MIDTOWN CENTER PHOTOGRAPHS

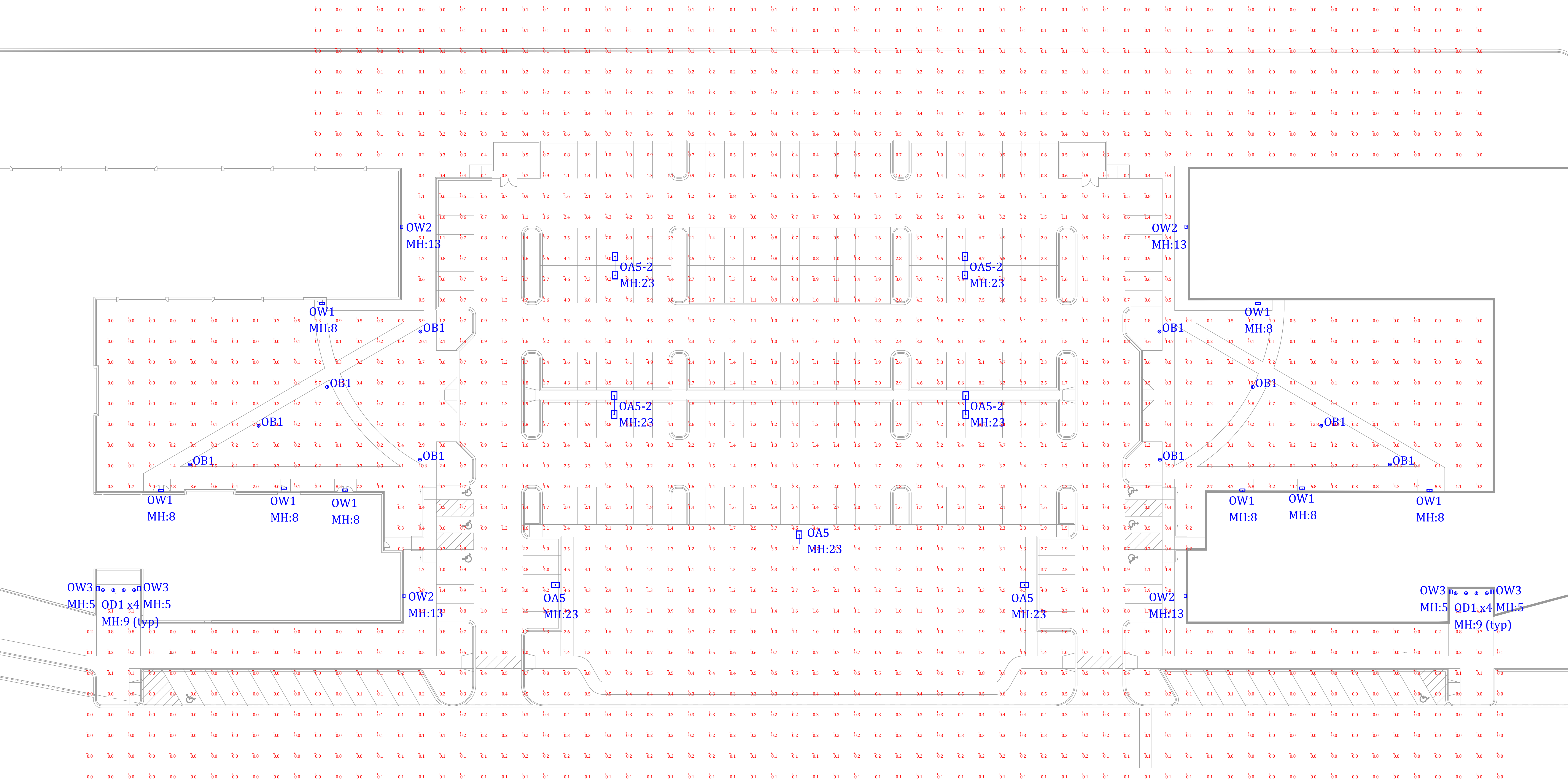
MIDTOWN COMMONS PHASE 1 & 2

3.18.2026

**5825 W HOPE AVENUE - MULTI-FAMILY DEVELOPMENT PHASE 1 & 2
N 60TH STREET & W HOPE AVE**

ADDITIONAL SUPPORTING INFORMATION & DOCUMENTS

11: SITE LIGHTING & PHOTOMETRIC PLAN + LIGHTING SPEC SHEETS



Luminaire Schedule				
QTY	TYPE	MFR	PART NUMBER	LLF
3	OA5	Keystone	KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P @ 140W, T5 + 20' POLE + 3' BASE	0.950
4	OA5-2	Keystone	(2) KT-ALED140PS-M2-OSB-PMA-8CSB-VDIM-P @ 140W, T5 + 20' POLE + 3' BASE	0.950
10	OB1	Keystone	KT-BLED24PS-3C-UNV-8CSB-VDIM @ 24W	0.950
8	OD1	TGS	880715-R3-5CCT	0.900
8	OW1	Mule	MERU-LED-ACEM-DB-IH	0.950
4	OW2	AFX	POLW0708LAJD2BK @ 25W	0.950
4	OW3	AFX	KNTW0816LAJUBK	0.950

Midtown Commons

MILWAUKEE, WI

SITE LIGHTING CALCULATIONS

project info

sheet name

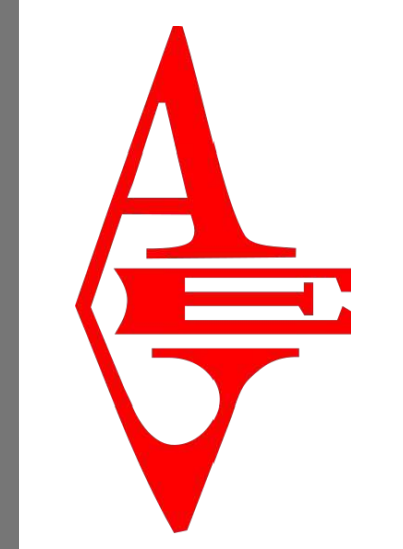
scale

1" = 30'-0"

date

3 / 2 / 2026

designer



JS



ALL COUNTY ELECTRIC SUPPLY, INC.

2755 S 163rd St
New Berlin, WI 53151
Contact: Joshua Canham

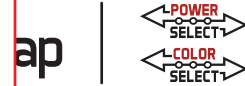
MIDTOWN COMMONS

SITE

Submittal Date

3.19.26

Type	Mfg	Catalog Number/Description
OA5	KEystone	KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B/G2
OA5	KEystone	KT-ALED-PMA-1-KIT-B
OA5	KEystone	KT-TLP-UV-3PN
OA5	KEystone	KT-SP-4SQ-20-11G-UNV-B
OA5	KEystone	KT-ABOLT-4SQ-K1
OA5-2	KEystone	KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B/G2
OA5-2	KEystone	KT-ALED-PMA-1-KIT-B
OA5-2	KEystone	KT-TLP-UV-3PN
OA5-2	KEystone	KT-SP-4SQ-20-11G-UNV-B
OA5-2	KEystone	KT-ABOLT-4SQ-K1
OB1	KEystone	KT-BLED24PS-3C-UNV-8CSB-VDIM-B
OB1	KEystone	KT-BLED-6R-UNV-KIT-B
OD1	TGS	880715-R3-5CCT
OW1	MULE	MERU-LED-ACEM-BK-IH
OW2	AFX	POLW0708LAJD2BK
OW3	AFX	KNTW0816LAJUBK



KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

DESCRIPTION

Power and Color Select Area Light with Optic Swap | 120-277V Input | Black or Silver Housing | Multiple Mounting, Optics, and Control Options

APPLICATION

Pole-mount or structure-mount outdoor illumination needs (including parking lots, auto dealerships, pathways, roadways, recreational venues, and other general area lighting requirements)



PRODUCT FEATURES

- Keystone Power Select technology (See Performance Specifications for details)
- Keystone Color Select technology (3000/4000/5000K)
- Innovative optic swap capability under door frame and latch design for quick, tool-free lens change
- Two lenses in the box: Type III installed, Type V included
- Type II and Type IV lenses sold separately. See below for details
- Heavy-duty, die-cast aluminum housing with ample heat sinking
- Low-profile design delivers high-performance illumination and improves application site aesthetics
- True U0 design for dark sky friendly performance that eliminates undesirable sky glow
- Integrated NEMA/ANSI C126.10 3-pin twist-lock receptacle with shorting cap. Compatible with KT-TLP-UV-3PN, 120-277V photocell (See Accessories section for details).
- Two easy to use mounting options available (sold separately): slip fitter mount and adjustable pole mount for square and round poles.
- Keystone 0-10V dimming driver with 6kV surge protection
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL Certified; IP65 rated
- Power factor: > 0.95
- THD: < 20%
- LED chip lifetime: L70 > 100,000 hrs @ 25°C/77°F ambient fixture temperature
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

PERFORMANCE SPECIFICATIONS

Catalog No.	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	Dimming	CRI	Distribution Pattern*	Photocell Included	Housing Color**	Legacy Equivalent
KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-S	140W	3000K	17,950	128 lm/W	120-277V	0-10V	> 80	Type III Installed, Type V Included	No	Black or Silver Available	400W MH
		4000K	20,780	148 lm/W							
		5000K	19,020	136 lm/W							
	100W	3000K	12,720	127 lm/W							
		4000K	14,750	148 lm/W							
		5000K	13,530	135 lm/W							
	70W	3000K	9310	133 lm/W							
		4000K	10,740	153 lm/W							
		5000K	9,880	141 lm/W							
KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-B KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-S	290W	3000K	36,320	125 lm/W							
		4000K	42,770	147 lm/W							
		5000K	38,700	133 lm/W							
	210W	3000K	27,300	130 lm/W							
		4000K	31,710	151 lm/W							
		5000K	28,980	138 lm/W							
185W	3000K	22,970	124 lm/W								
	4000K	27,060	146 lm/W								
		5000K	24,440	132 lm/W							1000W MH

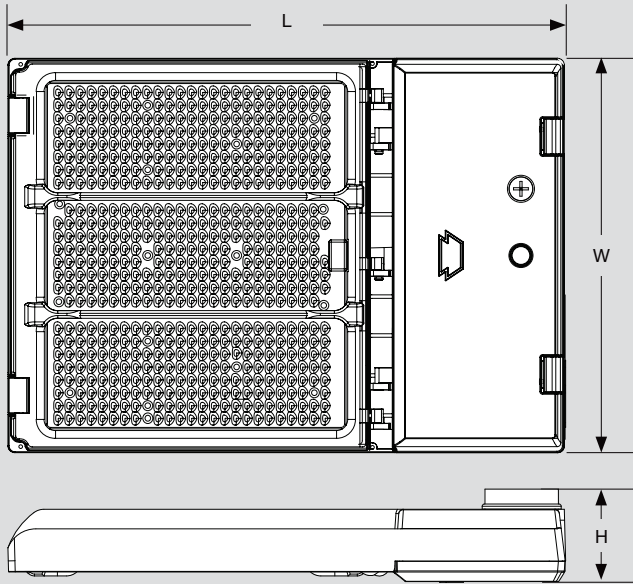
* For more information, see Accessories page below or contact Keystone with questions.
** Fixtures (and mounts) with alternate housing colors are available and made to order. Extended lead times apply. Please see catalog number breakdown for full ordering code details.

KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

PHYSICAL SPECIFICATIONS

LED AREA LIGHT FIXTURE



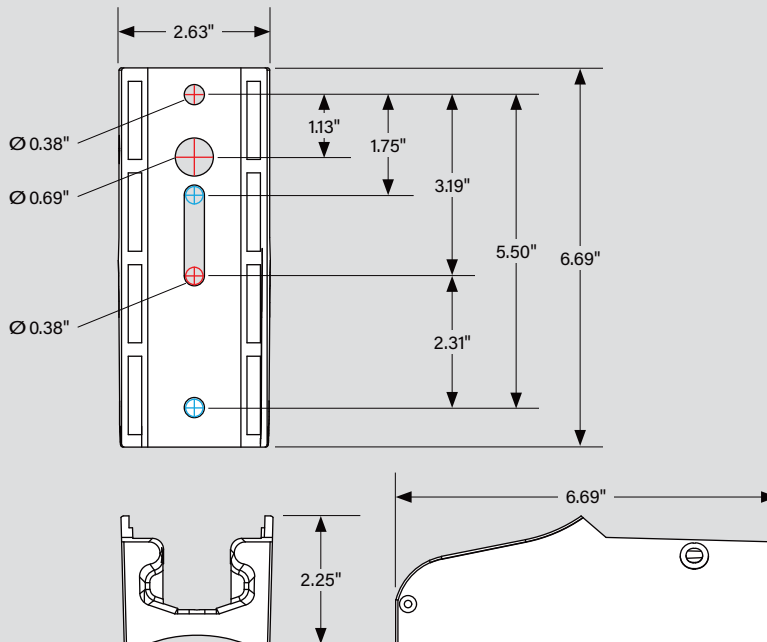
FIXTURE DIMENSIONS

Catalog Number	L (Length)	W (Width)	H (Height)
KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-S	15.70"	11.18"	3.30"
KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-B KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-B	19.72"	13.97"	3.30"

PACKAGING DIMENSIONS

Catalog Number	Carton Dimensions	Carton Weight
KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-S	5.63" x 13.15" x 21.65"	12.35 lbs
KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-B KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-B	5.63" x 15.95" x 26.18"	17.53 lbs

POLE MOUNT (ADJUSTABLE OR FIXED) DRILLING HOLES

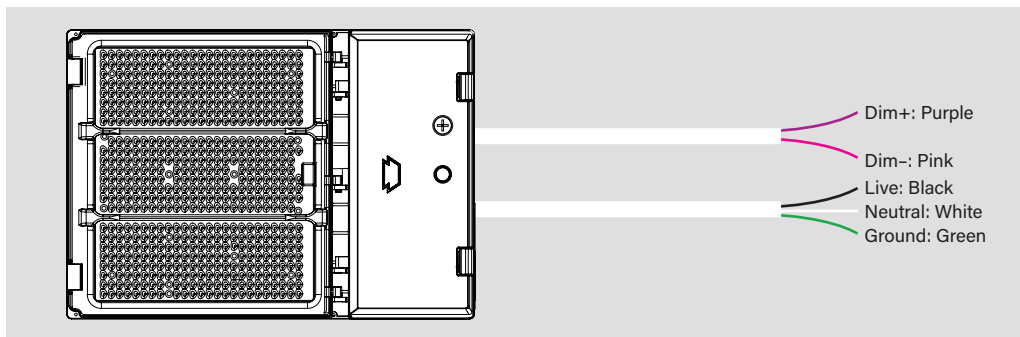




KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

WIRING DIAGRAM



- Make input connections as needed and ensure connections are protected from exposure to the elements.
- **Input voltage rating: 120-277V**
- Ensure that input voltage on site matches the fixture you intend to install.

POWER SELECT (WATTAGE) AND COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with field-adjustable Keystone Power Select and Color Select technology.

1. Ensure power is off to the fixture.
2. Open the driver compartment located on the underside of the fixture.
3. Adjust switches to desired settings.

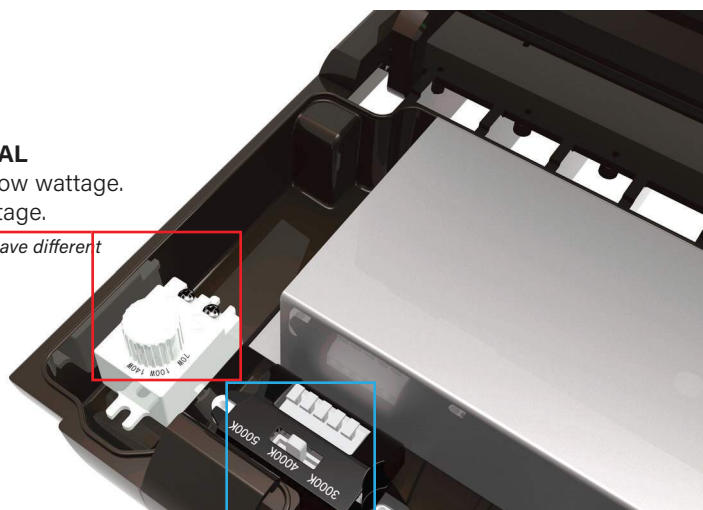


POWER SELECT ADJUSTMENT DIAL
Adjust between high, medium, and low wattage. Fixtures come preset to highest wattage.

Image for reference only. Different SKU's will have different wattages



COLOR SELECT ADJUSTMENT SWITCH
Set switch to adjust CCT between 3000K, 4000K, and 5000K. Fixture comes preset at 5000K.



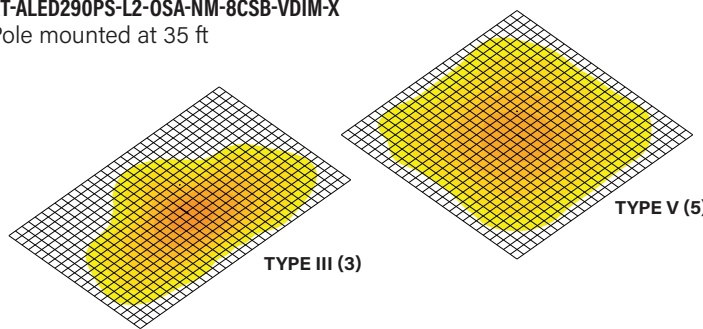
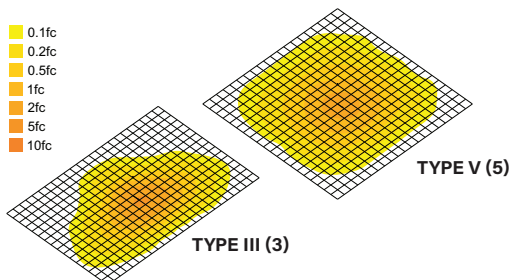
LIGHT DISTRIBUTION PATTERN

Photometric layouts for general reference only. Each square is 10 ft x 10 ft

KT-ALED140PS-M2-OSB-NM-8CSB-VDIM-X
Pole mounted at 30 ft

KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-X
Pole mounted at 35 ft

- 0.1fc
- 0.2fc
- 0.5fc
- 1fc
- 2fc
- 5fc
- 10fc



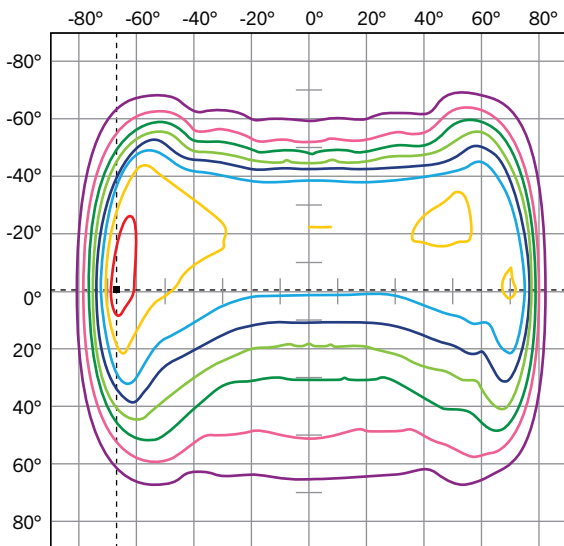


KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

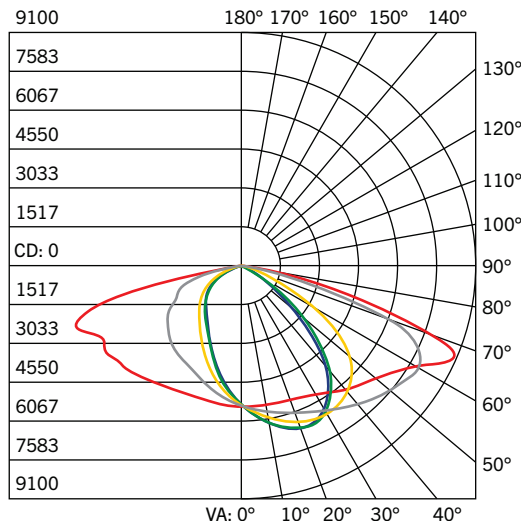
PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-X (TYPE II [2])

ISOCANDELA PLOT



- Point of Max Cd: 9029.9
- Cd: 8051, 90%
- Cd: 6709, 75%
- Cd: 5367, 60%
- Cd: 4473, 50%
- Cd: 3578, 40%
- Cd: 2684, 30%
- Cd: 1789, 20%
- Cd: 895, 10%

POLAR CANDELA DISTRIBUTION



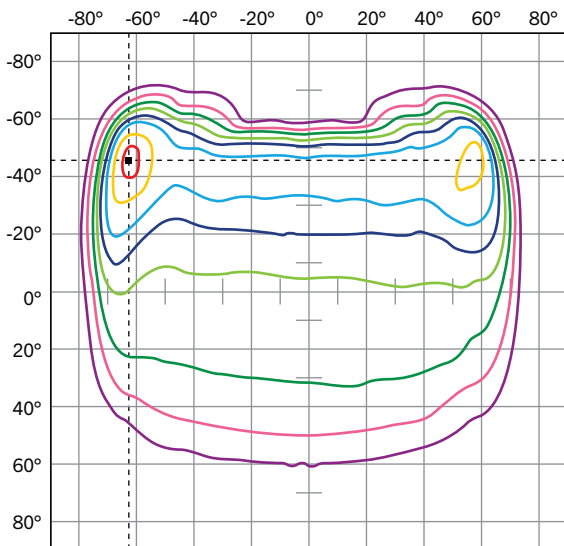
- : 0° H
- : 22.5° H
- : 67.5° H
- : 90° H
- : 45° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	2635.6	14.2%
30°-60°	6056.9	32.6%
60°-80°	2427.6	13.1%
80°-90°	86.6	0.5%
Back Light		
0°-30°	1792.1	9.6%
30°-60°	3633.2	19.5%
60°-80°	1887.1	10.2%
80°-90°	71.0	0.4%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18590.1	100.0%
BUG Rating	B3-U0-G3	

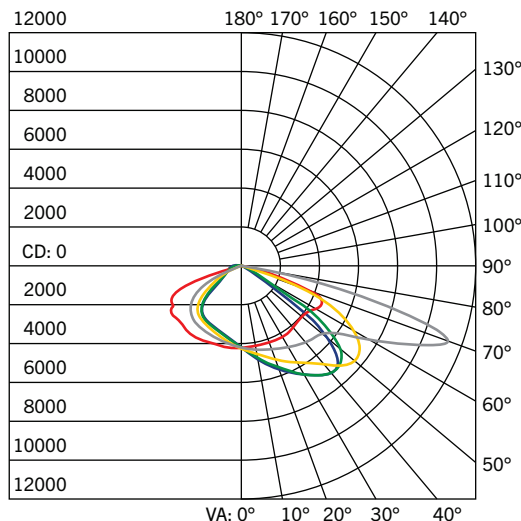
PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-X (TYPE III [3])

ISOCANDELA PLOT



- Point of Max Cd: 11595.9
- Cd: 10278, 90%
- Cd: 8565, 75%
- Cd: 6852, 60%
- Cd: 5710, 50%
- Cd: 4568, 40%
- Cd: 3426, 30%
- Cd: 2284, 20%
- Cd: 1142, 10%

POLAR CANDELA DISTRIBUTION



- : 0° H
- : 22.5° H
- : 67.5° H
- : 90° H
- : 45° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	2171.9	11.5%
30°-60°	6942.9	36.9%
60°-80°	3378.3	17.9%
80°-90°	65.9	0.4%
Back Light		
0°-30°	1621.8	8.6%
30°-60°	3565.3	18.9%
60°-80°	1049.9	5.6%
80°-90°	36.4	0.2%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18832.4	100.0%
BUG Rating	B3-U0-G3	

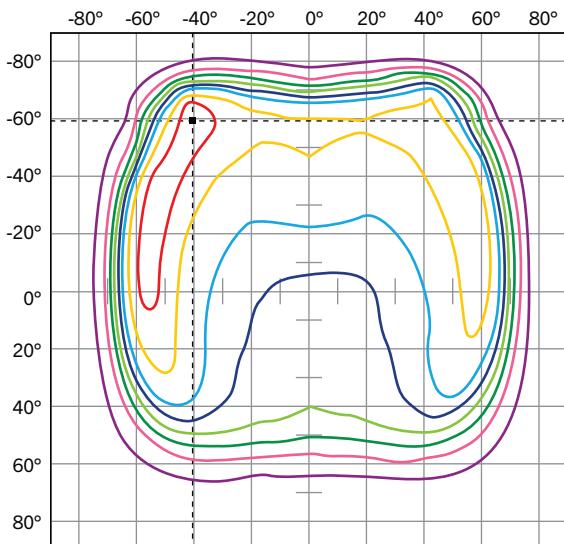


KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-X (TYPE IV [4])

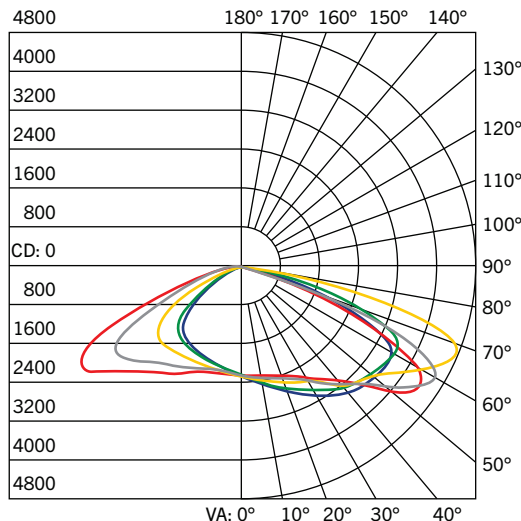
ISOCANDELA PLOT



--- Point of Max Cd: 7219.1

- Cd: 6400, 90%
- Cd: 5333, 75%
- Cd: 4267, 60%
- Cd: 3556, 50%
- Cd: 2844, 40%
- Cd: 2133, 30%
- Cd: 1422, 20%
- Cd: 711, 10%

POLAR CANDELA DISTRIBUTION



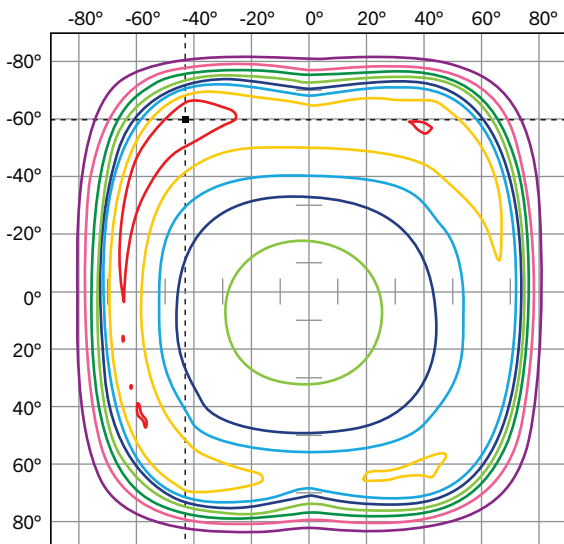
- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	1628.1	8.8%
30°-60°	5903.8	32.1%
60°-80°	3949.0	21.4%
80°-90°	152.1	0.8%
Back Light		
0°-30°	1411.5	7.7%
30°-60°	4065.2	22.1%
60°-80°	1269.2	6.9%
80°-90°	35.3	0.2%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18414.2	100.0%
BUG Rating	B3-U0-G3	

PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-X (TYPE V [5])

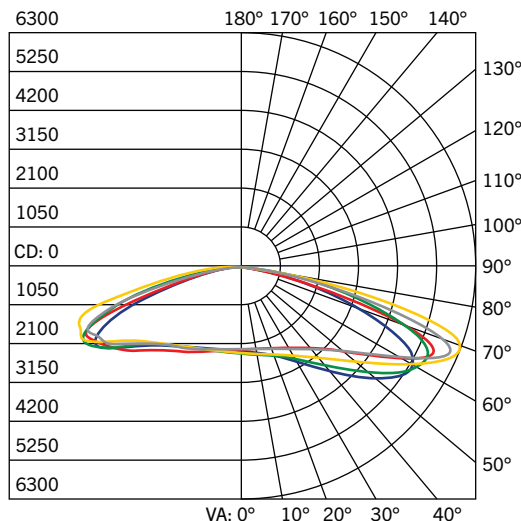
ISOCANDELA PLOT



--- Point of Max Cd: 6268.6

- Cd: 5608, 90%
- Cd: 4673, 75%
- Cd: 3739, 60%
- Cd: 3116, 50%
- Cd: 2492, 40%
- Cd: 1869, 30%
- Cd: 1246, 20%
- Cd: 623, 10%

POLAR CANDELA DISTRIBUTION



- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

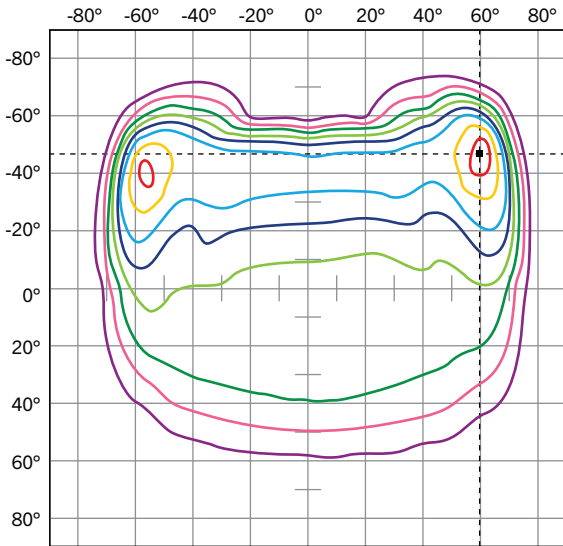
Zone	Lumens	% Luminaire
Forward Light		
0°-30°	1056.8	5.6%
30°-60°	4393.8	23.3%
60°-80°	4321.3	23.0%
80°-90°	233.7	1.2%
Back Light		
0°-30°	995.5	5.3%
30°-60°	3593.6	19.1%
60°-80°	3986.6	21.2%
80°-90°	238.8	1.3%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18820.1	100.0%
BUG Rating	B4-U0-G3	

KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

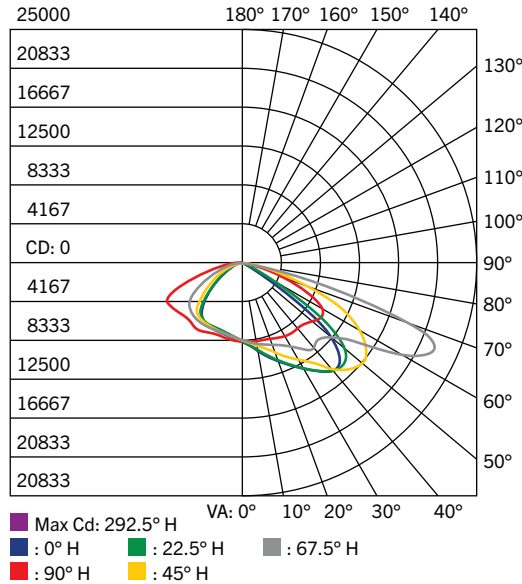
PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-X (TYPE II [2])

ISOCANDELA PLOT



- Point of Max Cd: 24472.5
- Cd: 21625, 90%
- Cd: 18020, 75%
- Cd: 14416, 60%
- Cd: 12014, 50%
- Cd: 9611, 40%
- Cd: 7208, 30%
- Cd: 4805, 20%
- Cd: 2403, 10%

POLAR CANDELA DISTRIBUTION



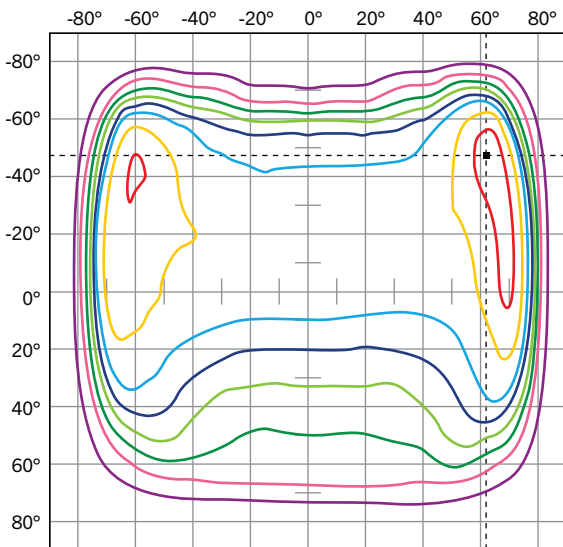
- Max Cd: 292.5° H
- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	4351.7	10.9%
30°-60°	14745.1	37.0%
60°-80°	7342.5	18.4%
80°-90°	181.0	0.5%
Back Light		
0°-30°	3433.4	8.6%
30°-60°	7633.2	19.2%
60°-80°	2037.6	5.1%
80°-90°	76.3	0.2%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	39800.8	100.0%
BUG Rating	B4-U0-G3	

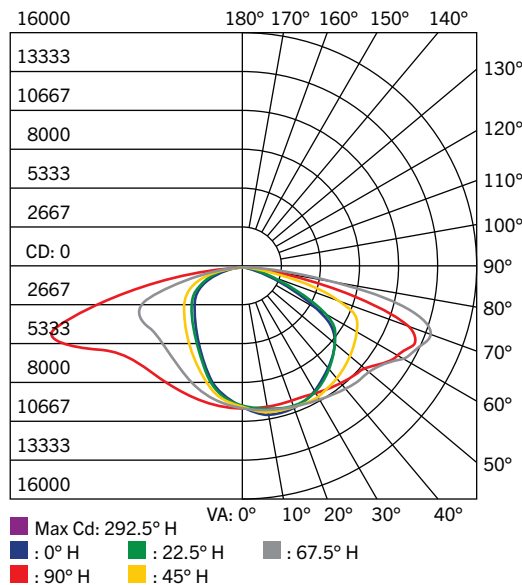
PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-X (TYPE III [3])

ISOCANDELA PLOT



- Point of Max Cd: 15289.9
- Cd: 13624, 90%
- Cd: 11368, 75%
- Cd: 9095, 60%
- Cd: 7579, 50%
- Cd: 6063, 40%
- Cd: 4547, 30%
- Cd: 3032, 20%
- Cd: 1516, 10%

POLAR CANDELA DISTRIBUTION



- Max Cd: 292.5° H
- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

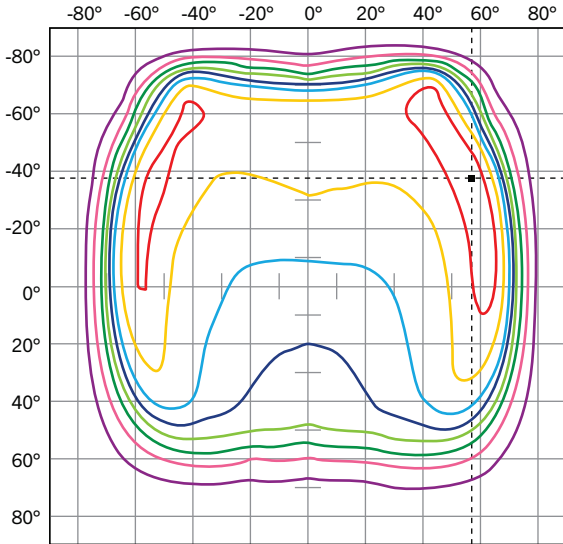
Zone	Lumens	% Luminaire
Forward Light		
0°-30°	4375.3	11.0%
30°-60°	11377.5	38.6%
60°-80°	7372.5	18.6%
80°-90°	503.8	1.3%
Back Light		
0°-30°	3570.4	9.0%
30°-60°	7690.4	19.4%
60°-80°	4636.1	11.7%
80°-90°	200.5	0.5%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	39726.5	100.0%
BUG Rating	B4-U0-G4	

KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

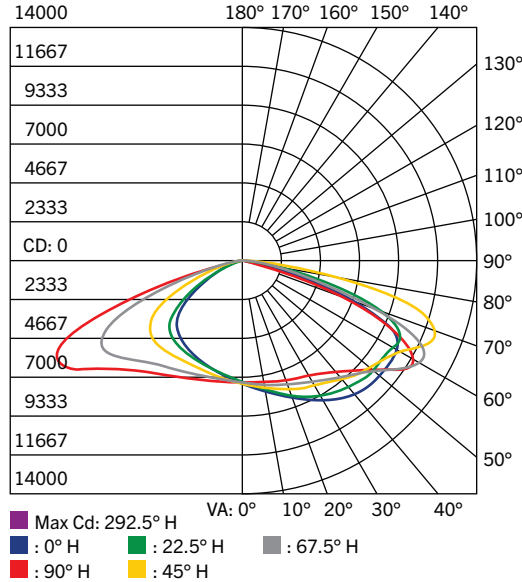
PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-X (TYPE IV [4])

ISOCANDELA PLOT



- Point of Max Cd: 13318.0
- Cd: 11899, 90%
 - Cd: 9916, 75%
 - Cd: 7933, 60%
 - Cd: 6610, 50%
 - Cd: 5288, 40%
 - Cd: 3966, 30%
 - Cd: 2644, 20%
 - Cd: 1322, 10%

POLAR CANDELA DISTRIBUTION



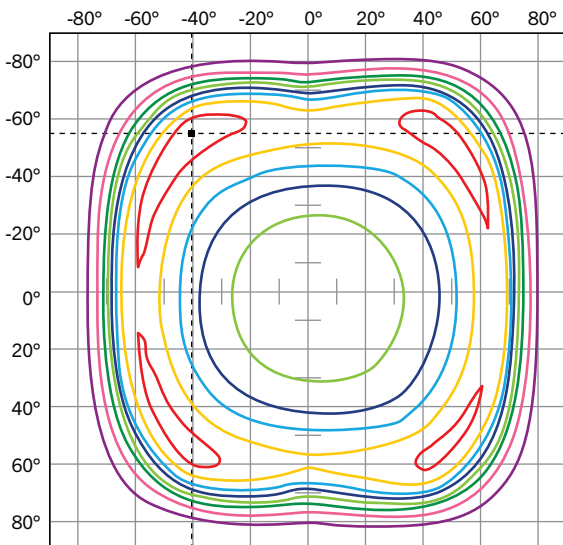
- Max Cd: 292.5° H
- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	3496.9	8.9%
30°-60°	11626.4	29.8%
60°-80°	8787.4	22.5%
80°-90°	518.0	1.3%
Back Light		
0°-30°	2971.1	7.6%
30°-60°	8241.1	21.1%
60°-80°	3333.1	8.5%
80°-90°	101.3	0.3%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	39075.3	100.0%
BUG Rating	B4-U0-G4	

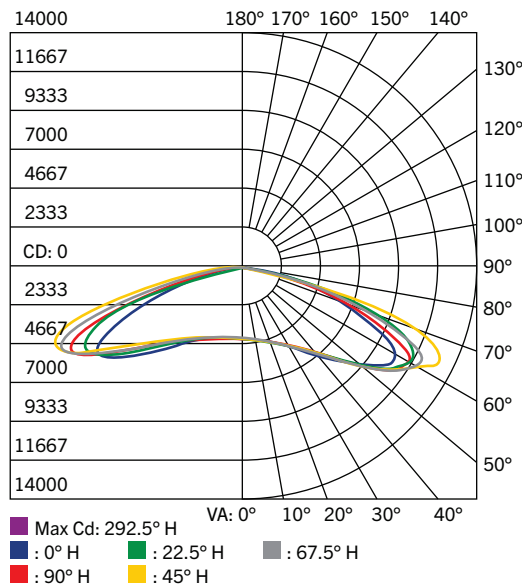
PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-X (TYPE V [5])

ISOCANDELA PLOT



- Point of Max Cd: 13363.4
- Cd: 11985, 90%
 - Cd: 9988, 75%
 - Cd: 7990, 60%
 - Cd: 6659, 50%
 - Cd: 5327, 40%
 - Cd: 3995, 30%
 - Cd: 2663, 20%
 - Cd: 1332, 10%

POLAR CANDELA DISTRIBUTION



- Max Cd: 292.5° H
- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	2080.9	5.3%
30°-60°	9547.3	24.1%
60°-80°	8307.2	21.0%
80°-90°	338.0	0.9%
Back Light		
0°-30°	2030.2	5.1%
30°-60°	8965.1	22.7%
60°-80°	7959.9	20.1%
80°-90°	313.0	0.8%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	39538.6	100.0%
BUG Rating	B5-U0-G4	












KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

EPA SPECIFICATIONS

MEDIUM AND LARGE-SIZE FIXTURE HOUSING

- Conditions: Horizontal winds only for calculations. Worst case total projected area used for calculations.
- All drag coefficients are set as worst case 1.2
- For details on exact EPA calculations and assumptions, please contact productsupport@keystonetech.com

EPA Calcs (1.2*ft^2 View)		Single Fixture	2 Fixtures at 90°	2 Fixtures at 180°	3 Fixtures at 90°	3 Fixtures at 120°	4 Fixtures at 90°	2 Fixtures Side-by-Side	3 Fixtures Side-by-Side	4 Fixtures Side-by-Side
Adjustable Pole Mount	Horizontal (M)									
	Horizontal (L)	0.50 sq. ft.	0.78 sq. ft.	1.01 sq. ft.	1.19 sq. ft.	1.28 sq. ft.	1.19 sq. ft.	0.74 sq. ft.	1.11 sq. ft.	1.48 sq. ft.
Adjustable Pole Mount	45° (M)	0.62 sq. ft.	0.90 sq. ft.	1.24 sq. ft.	1.42 sq. ft.	1.48 sq. ft.	1.42 sq. ft.	0.74 sq. ft.	1.11 sq. ft.	1.48 sq. ft.
	45° (L)	1.27 sq. ft.	1.73 sq. ft.	1.27 sq. ft.	2.20 sq. ft.	3.10 sq. ft.	2.20 sq. ft.	2.53 sq. ft.	3.80 sq. ft.	5.07 sq. ft.
Slip Fitter Mount	Horizontal (M)	1.85 sq. ft.	2.43 sq. ft.	1.85 sq. ft.	3.01 sq. ft.	4.42 sq. ft.	3.01 sq. ft.	3.70 sq. ft.	5.55 sq. ft.	7.40 sq. ft.
	Horizontal (L)	0.48 sq. ft.	0.87 sq. ft.	0.97 sq. ft.	1.30 sq. ft.	1.37 sq. ft.	1.30 sq. ft.	0.86 sq. ft.	1.30 sq. ft.	1.73 sq. ft.
Slip Fitter Mount	45° (M)	0.60 sq. ft.	0.98 sq. ft.	1.20 sq. ft.	1.53 sq. ft.	1.57 sq. ft.	1.53 sq. ft.	0.86 sq. ft.	1.30 sq. ft.	1.73 sq. ft.
	45° (L)	1.34 sq. ft.	1.80 sq. ft.	1.34 sq. ft.	2.28 sq. ft.	3.06 sq. ft.	2.28 sq. ft.	2.67 sq. ft.	4.01 sq. ft.	5.35 sq. ft.
Slip Fitter Mount	Vertical (M)	1.92 sq. ft.	2.51 sq. ft.	1.92 sq. ft.	3.09 sq. ft.	4.39 sq. ft.	3.09 sq. ft.	3.84 sq. ft.	5.76 sq. ft.	7.68 sq. ft.
	Vertical (L)	1.76 sq. ft.	2.25 sq. ft.	1.76 sq. ft.	2.73 sq. ft.	2.94 sq. ft.	2.73 sq. ft.	3.53 sq. ft.	5.29 sq. ft.	7.06 sq. ft.
Slip Fitter Mount	Vertical (M)	2.59 sq. ft.	3.19 sq. ft.	2.59 sq. ft.	3.80 sq. ft.	4.07 sq. ft.	3.80 sq. ft.	5.18 sq. ft.	7.77 sq. ft.	10.35 sq. ft.
	Vertical (L)									

KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

ACCESSORIES (SOLD SEPARATELY)

SENSORS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/3PN	KT-TLP-UV-3PN	NEMA Type Twist-Lock 3-Pin Photocell 120-277V 1800VA Max Blue	843654131825	NQT-46
	/7PRS***	KT-RSC-7PN	NEMA Type 7-Pin Receptacle	843654135205	BIZ-08
	/MW3	KTS-MW3-12V-PKO	12V Microwave Occupancy Sensor	843654130637	TRM-32
	/FC3**	KTSL-FC3-12V-PKO-PIR	Bluetooth mesh wireless screw-in LED controller for SmartLoop system Integrated daylight sensor PIR motion sensor	843654138862	OCW-60
	/FC4	KTSL-FC4-12V-PKO	Bluetooth mesh wireless screw-in low voltage fixture controller for SmartLoop system	843654149066	RUN-10



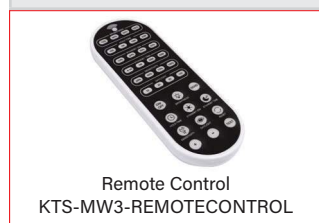
* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

** When installing on Keystone area lights, use small thin gasket provided with the sensor to ensure proper electrical connection and a water-tight seal. Hand tighten only. (Do NOT use the larger thick gasket. Sensor will not make electrical contact with thick gasket.) PIR sensors may not always perform reliably in typical outdoor environments. Ensure sensors are used and commissioned with this in mind. Consult Keystone for further information on the matter. When using KTSL-FC3-12V-PKO-PIR in applications with photosensor control for dusk to dawn, use 3-pin twist-lock photocells (KT-TLP-UV-3P) for optimal functionality.

*** Factory-installed only (not field-installable).

Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KTS-MW3-REMOTECONTROL	Remote control for KTS-MW3-12V-XX Sensors Sets and adjusts all sensor performance parameters	843654132020	XSR-61



SURGE PROTECTORS

Factory-Installable OR Field-Installable (field-installable purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KTSP-10KV-C	External surge protector Compact design	843654129204	BUU-26



(Accessories continued on next page)



KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

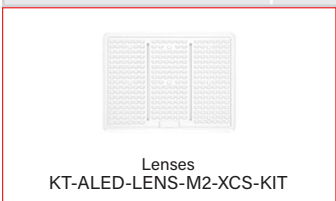
LED AREA LIGHT FIXTURE

ACCESSORIES CONTINUED (SOLD SEPARATELY)

LENSES

Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-ALED-LENS-M2-2CS-KIT	Type II optics lens Used on Series 2 area lights Medium size Color Select	843654153933	ICD-51
KT-ALED-LENS-M2-4CS-KIT	Type IV optics lens Used on Series 2 area lights Medium size Color Select	843654153971	DZD-72
KT-ALED-LENS-L2-2CS-KIT	Type II optics lens Used on Series 2 area lights Large size Color Select	843654153858	HXC-12
KT-ALED-LENS-L2-4CS-KIT	Type IV optics lens Used on Series 2 area lights Large size Color Select	843654153896	CIW-62



MOUNTS AND BRACKETS

Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-ALED-GS-M2-KIT-B	Reversible glare shield Medium size Black	843654164410	WBV-17
KT-ALED-GS-M2-KIT-S	Reversible glare shield Medium size Silver	843654164427	QMH-33
KT-ALED-GS-L2-KIT-B	Reversible glare shield Large size Black	843654164434	ODJ-17
KT-ALED-GS-L2-KIT-S	Reversible glare shield Large size Silver	843654164441	PEN-02
KT-ALED-GS-M2-R-KIT-B	Right-side mounted glare shield Medium size Black	843654164458	DYW-04
KT-ALED-GS-M2-L-KIT-B	Left-side mounted glare shield Medium size Black	843654164908	MJH-96
KT-ALED-GS-M2-R-KIT-S	Right-side mounted glare shield Medium size Silver	843654164915	CDT-40
KT-ALED-GS-M2-L-KIT-S	Left-side mounted glare shield Medium size Silver	843654164465	CPZ-68
KT-ALED-GS-L2-R-KIT-B	Right-side mounted glare shield Large size Black	843654164472	WLA-42
KT-ALED-GS-L2-L-KIT-B	Left-side mounted glare shield Large size Black	843654164922	RHA-78
KT-ALED-GS-L2-R-KIT-S	Right-side mounted glare shield Large size Silver	843654164939	ILY-69
KT-ALED-GS-L2-L-KIT-S	Left-side mounted glare shield Large size Silver	843654164489	YBO-69
KT-ALED-SF-1-KIT-B	Slipfitter mount Fits 2 3/8" tenon Black	843654157696	NDX-25
KT-ALED-PMA-1-KIT-B	Adjustable pole mount For round or square pole Black	843654157672	BIM-83
KT-ALED-SF-1-KIT-S	Slipfitter mount Fits 2 3/8" tenon Silver	843654157702	ZLW-27
KT-ALED-PMA-1-KIT-S	Adjustable pole mount For round or square pole Silver	843654157689	ZXM-10



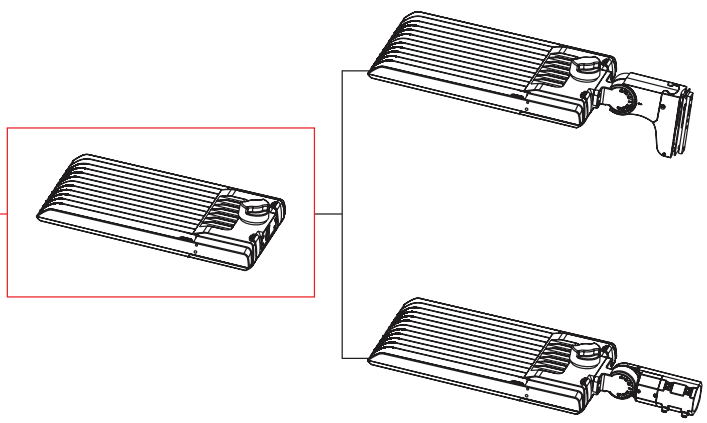
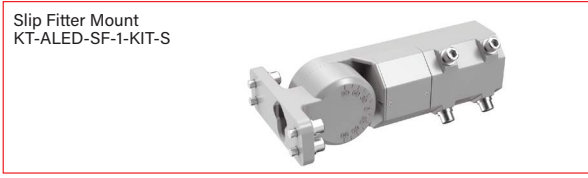
(Accessories continued on next page)



KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

ACCESSORIES CONTINUED (SOLD SEPARATELY)





KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

ORDERING INFORMATION

ORDER CODE	UPC	Easy Code	DLC PRODUCT ID
KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B	843654157634	FBL-20	S-QPTG52
KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-S	843654157641	EXX-12	
KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-B	843654157658	PBA-37	S-HRJG30
KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-S	843654157665	FOM-05	

CATALOG NUMBER BREAKDOWN

KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

1	2	3	4	5	6	7	8	9	10	11	12	13	14
1 Keystone Technologies	2 Area Light	3 LED Technology	4 Max Wattage	5 Power Select	6 Size / Shape	7 Optic Swap	8 Optic Swap Designation	9 No Mounting	10 80 CRI	11 Color Select	12 Color Select Designation	13 0-10V Dimming	14 Housing Color
			140 140W		M Medium						B Type III lens installed, V lens included		
			290 290W		L Large						B 3000/4000/5000K		
													B Black
													S Silver

ORDERING EXAMPLES

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B /7PRS

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B

KEYSTONE FIXTURE	
CATALOG NUMBER	
KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B	
SENSORS	
SUFFIX	CATALOG NUMBER
✓ /7PRS	KT-RSC-7PN

* When ordering more than one factory-installed accessory, use multiple suffixes as shown in the ordering examples above.
Note: All accessories can also be ordered separately for field installation using just their regular Catalog Number, UPC, or Easy Code.

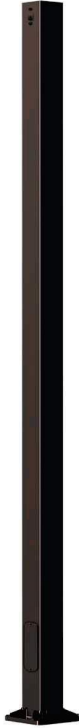


KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

DESCRIPTION

The Keystone Square Pole is designed for top or side mounted luminaries, with a new universal drill pattern on all four sides of the pole. Rubber plugs are included to cover all unused holes (16 total). Stocked in 15', 20', 25' and 30' lengths in a dark bronze finish. Includes pole, pole cap, base plate cover, and hand hole cover.



CONSTRUCTION

- High grade steel exceeds ASTM A500 Grade C with minimum yield strength of 50,000 PSI
- Base plates constructed of high strength ASTM A36 steel with 36,000 PSI minimum yield strength
- Poles have a standard bronze polyester powder coat finish (custom finishes available, consult Keystone representative for more information)
- Pre-drilled universal hole pattern on all four sides for flexible luminaire attachment (accommodates 2"-3" on-center hole patterns)

INSTALLATION COMPONENTS

- Pole includes spring-loaded thermoplastic polymer pole cap, easily secured 2-piece base plate cover and a reinforced cast-iron hand hole cover with ground screw. Anchor bolts and template sold and shipped separately
- 16 Plugs provided to seal unused drill holes at top of pole

DIMENSIONAL SPECIFICATIONS

Catalog Number	Pole				Base Plate			Anchor Bolts		Approx Shipping Weight
	Nominal Height	Nominal Shaft Dimensions	Wall Thickness		Size	Thickness	Bolt Circle	Size	Projection	
			Gauge	Inches						
KT-SP-4SQ-15-11G-UNV	15 ft.	4" Square	11	.119"	8" Square	.75"	8"- 9" Dia	.75" x 20" x 3"	3.5"	110 lbs
KT-SP-4SQ-20-11G-UNV	20 ft.	4" Square	11	.119"	8" Square	.75"	8"- 9" Dia	.75" x 20" x 3"	3.5"	141 lbs
KT-SP-4SQ-25-11G-UNV	25 ft.	4" Square	11	.119"	8" Square	.75"	8"- 9" Dia	.75" x 20" x 3"	3.5"	172 lbs
KT-SP-5SQ-30-7G-UNV	30 ft.	5" Square	7	.179"	11" Square	1"	10"- 12" Dia	1" x 36" x 4"	4.0"	397 lbs

ACCESSORIES (SOLD AND SHIPPED SEPARATELY)

See Page 4 for details

Catalog Number	Description
KT-ABOLT-4SQ-K1	Set of (4) Anchor bolts and hardware, .75" x 20" x 3". FOR USE ON 4" POLES
KT-ABOLT-5SQ-K1	Set of (4) Anchor bolts and hardware, 1" x 36" x 4". FOR USE ON 5" POLES

Approval Initials: _____



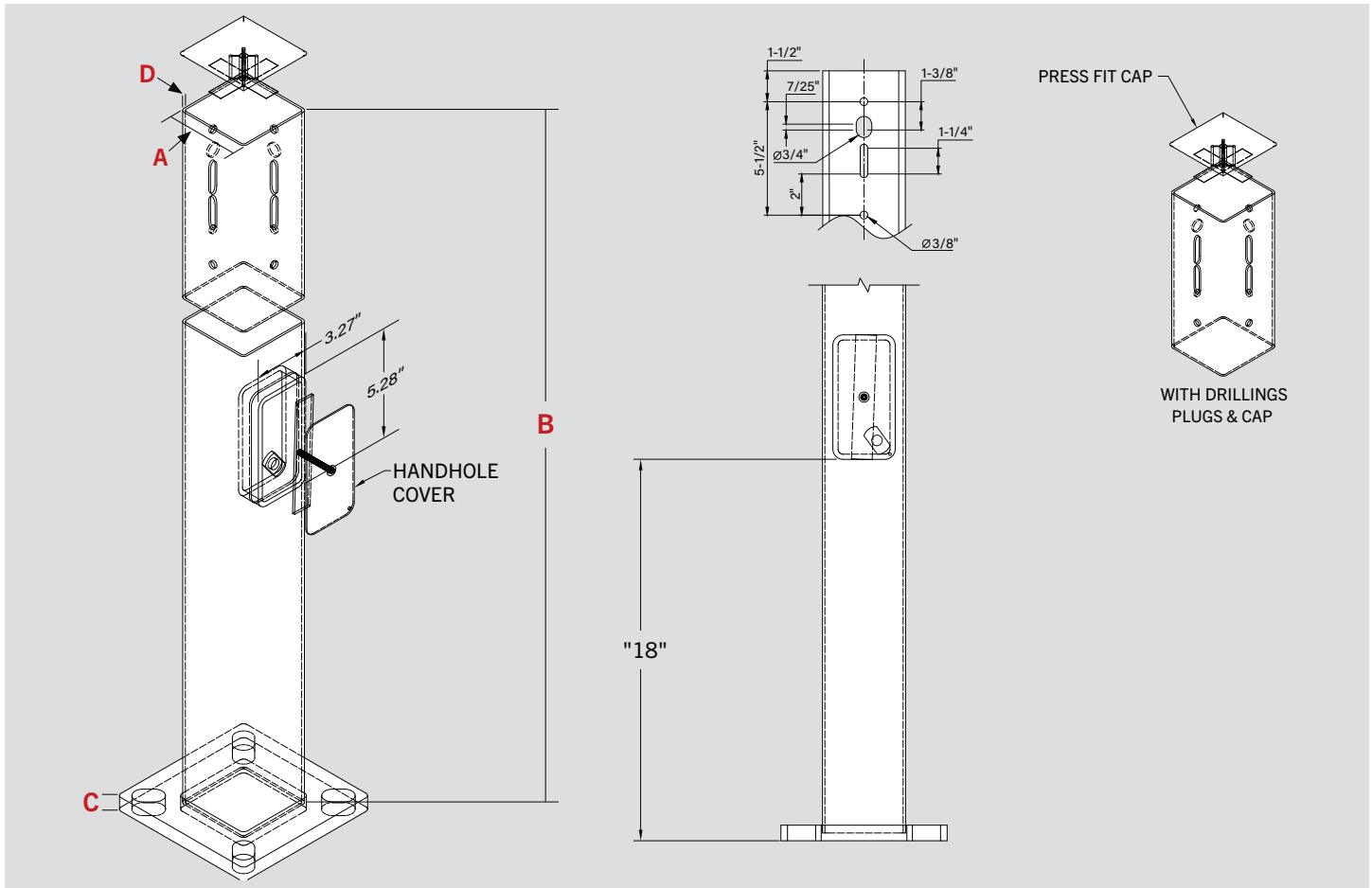
KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

INCLUDED ACCESSORIES

BASE PLATE COVER	POLE CAP (Black)	HAND HOLE COVER	PLUGS (16 total)
			

PHYSICAL SPECIFICATIONS



DIMENSIONS

A	B	C	D
Pole Size	Height	Base Thickness	Wall Thickness
4" square	15-25'	.75"	0.119"
5" square	30'	1"	0.179"

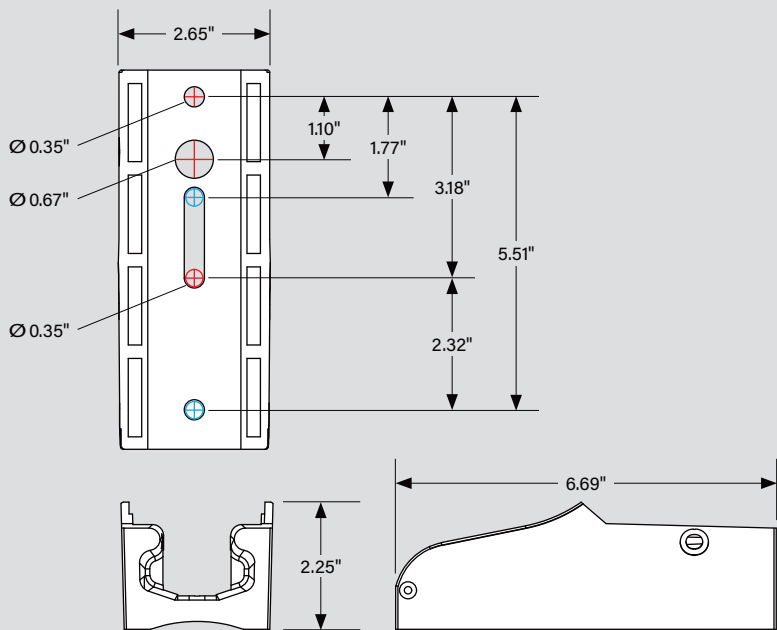
Approval Initials: _____

KT-SP-XSQ-XX-XXG-UNV

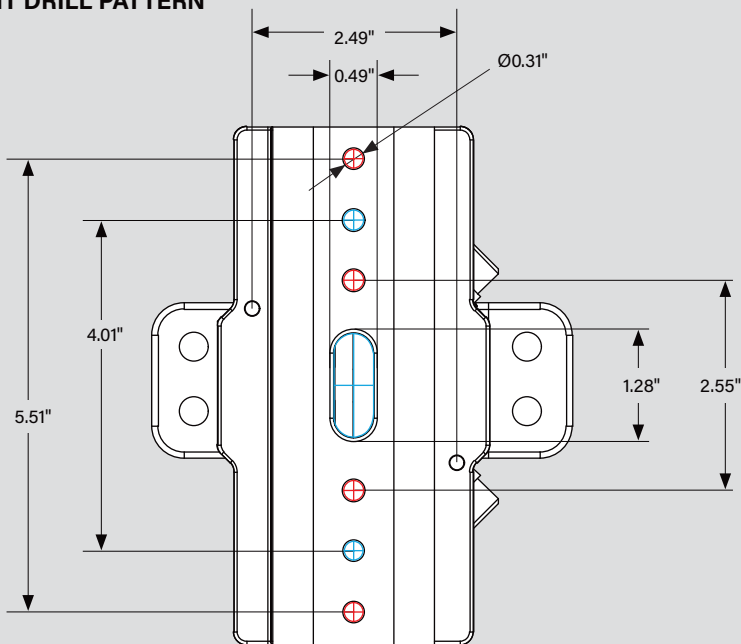
SQUARE STRAIGHT STEEL POLE

PHYSICAL SPECIFICATIONS (continued)

POLE MOUNT DRILL PATTERN



UNIVERSAL SLIPFITTER MOUNT DRILL PATTERN



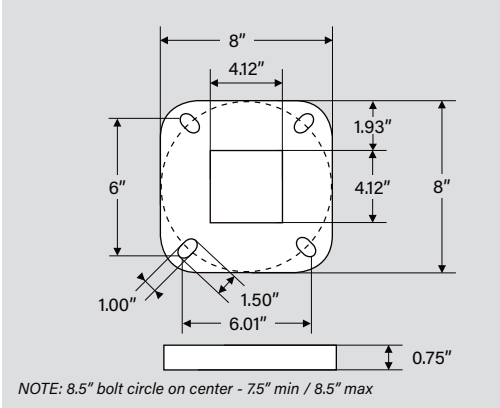
Approval Initials: _____

KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

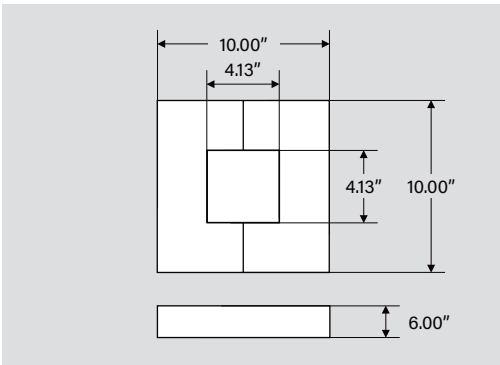
4" X 4" POLE SHAFT DIMENSIONS

BASE PLATE

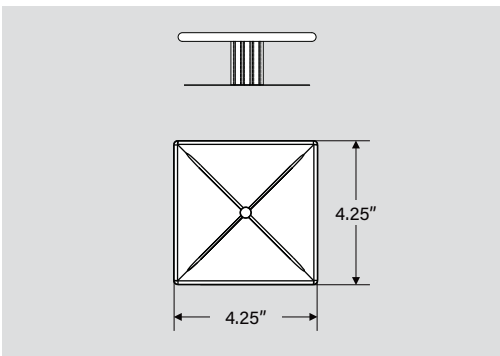


BASE PLATE COVER

(INCLUDED; PACKAGED SEPARATELY)

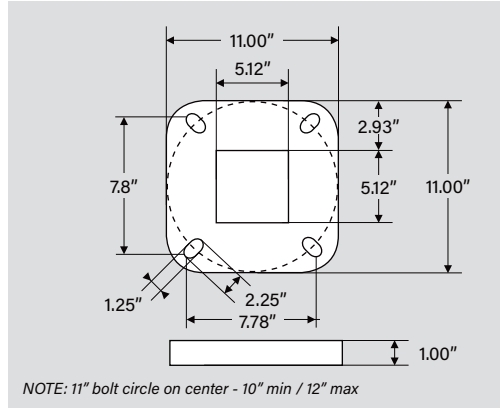


POLE CAP (INCLUDED; PACKAGED SEPARATELY)



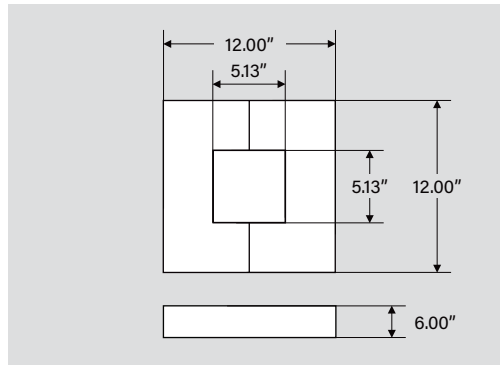
5" X 5" POLE SHAFT DIMENSIONS

BASE PLATE

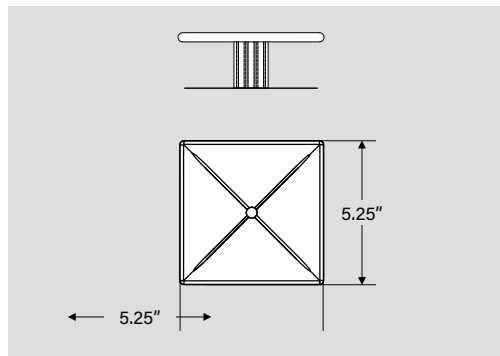


BASE PLATE COVER

(INCLUDED; PACKAGED SEPARATELY)



POLE CAP (INCLUDED; PACKAGED SEPARATELY)



Approval Initials: _____

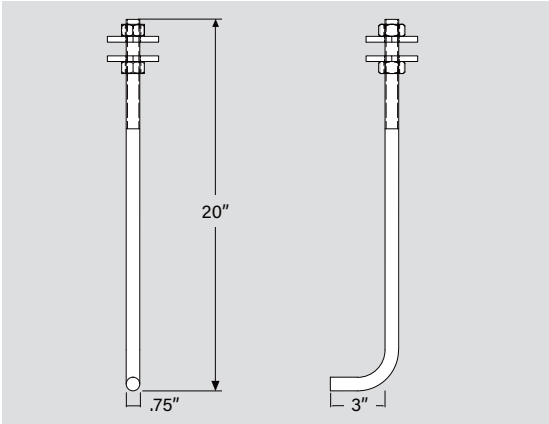


KT-SP-XSQ-XX-XXG-UNV

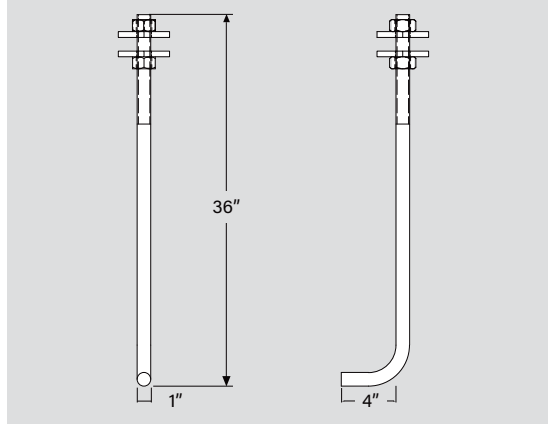
SQUARE STRAIGHT STEEL POLE

ANCHOR BOLTS (NOT INCLUDED; ORDERED SEPARATELY)

KT-ABOLT-4SQ-K1



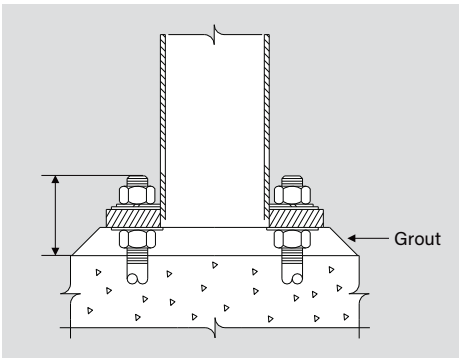
KT-ABOLT-5SQ-K1



ORDERING INFORMATION

ORDER CODE	UPC	EASY CODE
KT-ABOLT-4SQ-K1	843654138053	ARO-13
KT-ABOLT-5SQ-K1	843654138060	NCI-73

BOLT PROJECTION



Approval Initials: _____

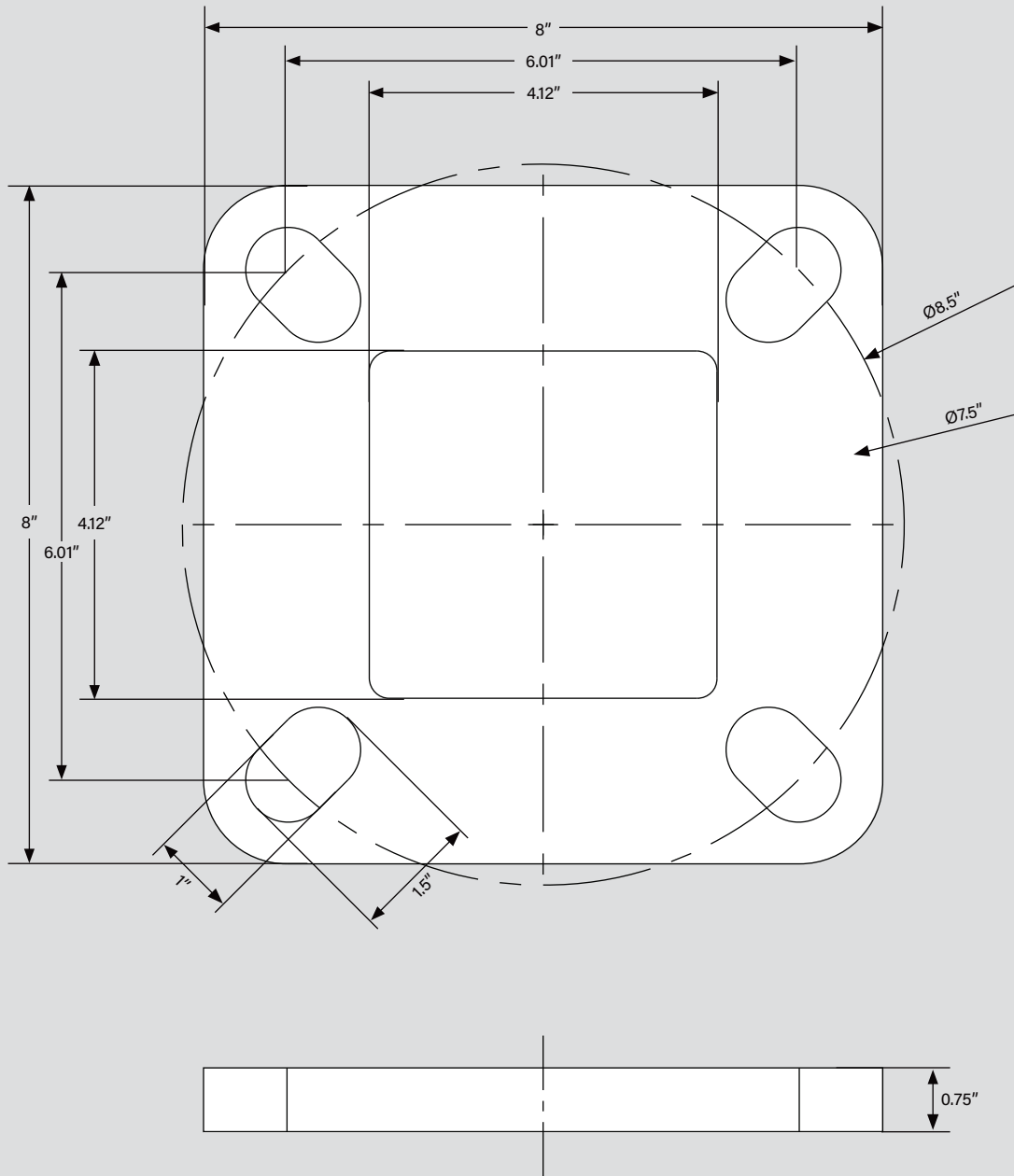


KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

DETAILED BASE PLATE DIMENSIONS

4" X 4" POLE



Approval Initials: _____

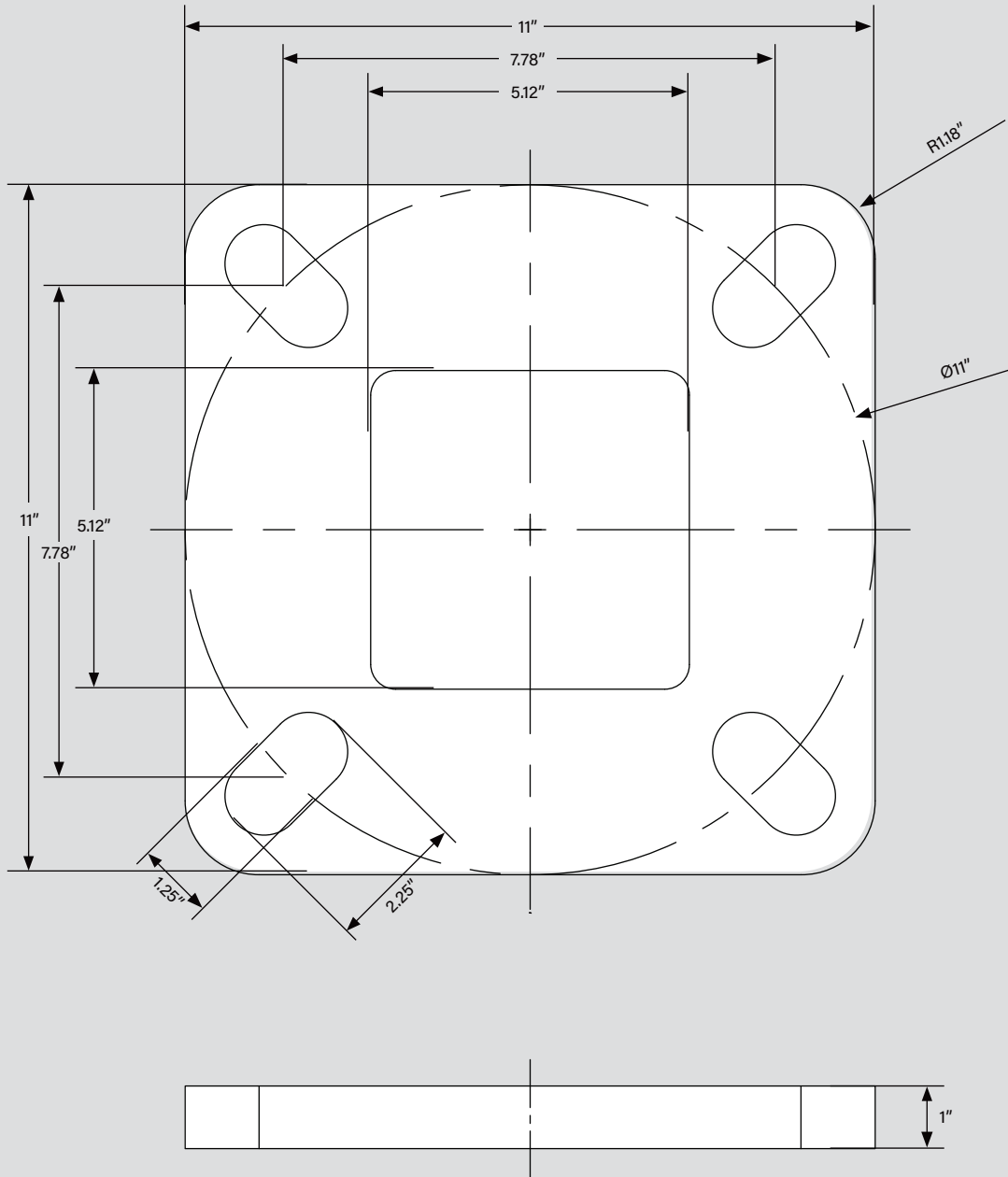


KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

DETAILED BASE PLATE DIMENSIONS

5" X 5" POLE



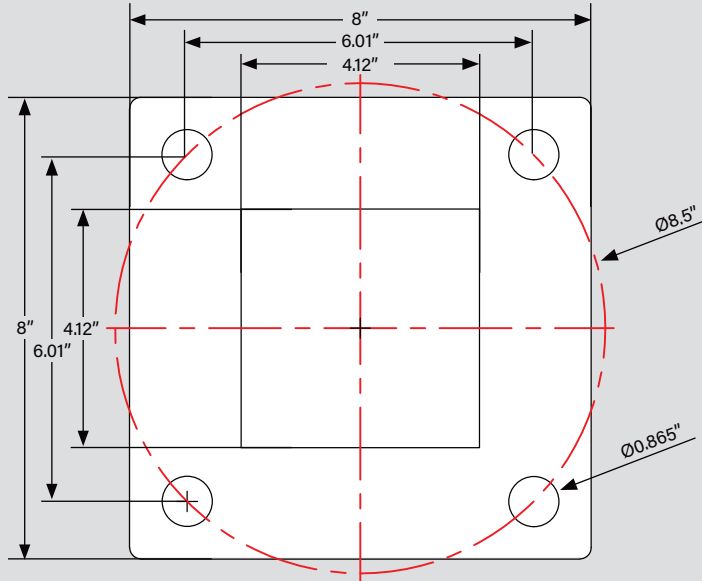
Approval Initials: _____

KT-SP-XSQ-XX-XXG-UNV

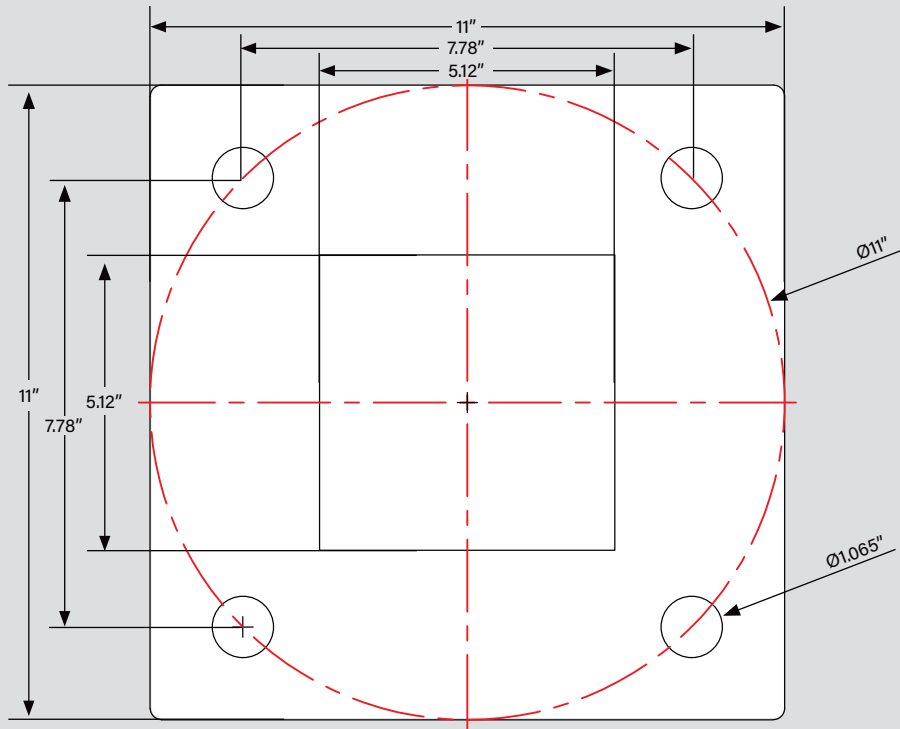
SQUARE STRAIGHT STEEL POLE

ANCHOR BOLT DRILLING TEMPLATE

4" X 4" POLE



5" X 5" POLE

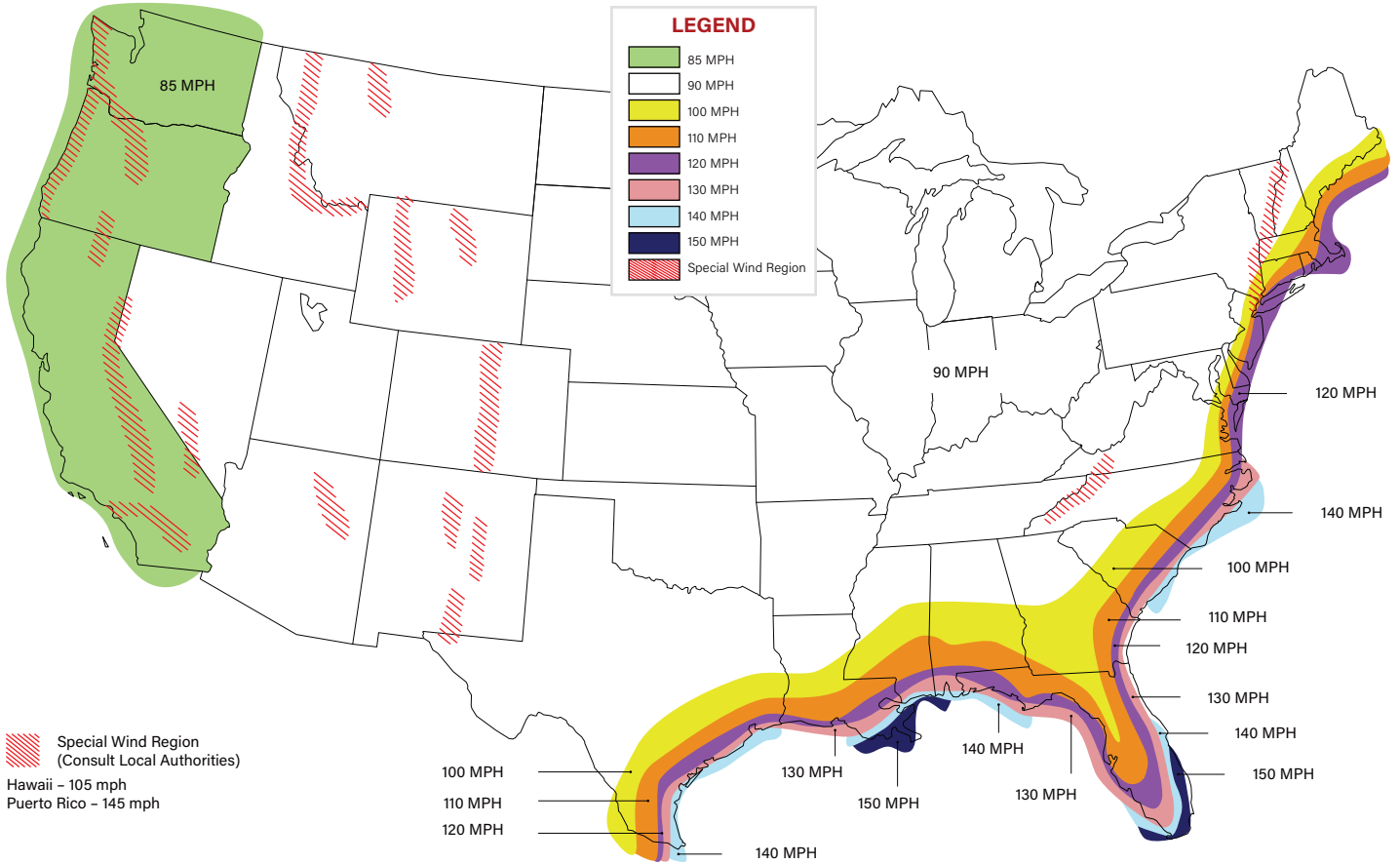


Approval Initials: _____

KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

WIND MAP



NOTES:

1. Values are 3-second gust wind speeds in miles per hour (m/s) at 33 ft. (10 m) above ground for Exposure C terrain.
2. Linear interpolation between wind contours is permitted.
3. Islands and coastal areas outside last contour must use the last wind speed contour of the coastal area.
4. Mountain terrain, gorges, ocean promontories, and special wind regions must be examined for unusual wind conditions.

Approval Initials: _____



KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

DESIGN WIND SPEED (PER AASHTO LRFD LTS-1, 2020 INTERIM REVISIONS)

ITEM CODE	80MPH				90MPH				100MPH			
	W/1.14 GUST FACTOR				W/1.14 GUST FACTOR				W/1.14 GUST FACTOR			
	50 LBS	100 LBS	150 LBS	200 LBS	50 LBS	100 LBS	150 LBS	200 LBS	50 LBS	100 LBS	150 LBS	200 LBS
KT-SP-4SQ-15-11G-UNV	25.4 ft ²	25.1 ft ²	24.8 ft ²	24.4 ft ²	19.5 ft ²	19.2 ft ²	18.9 ft ²	18.6 ft ²	14.2 ft ²	14 ft ²	13.8 ft ²	13.6 ft ²
KT-SP-4SQ-20-11G-UNV	13.9 ft ²	13.5 ft ²	13 ft ²	12.7 ft ²	9.9 ft ²	9.5 ft ²	9.1 ft ²	8.8 ft ²	6.2 ft ²	6 ft ²	5.7 ft ²	5.5 ft ²
KT-SP-4SQ-25-11G-UNV	6.5 ft ²	6 ft ²	5.5 ft ²	5.1 ft ²	3.6 ft ²	3.1 ft ²	2.8 ft ²	2.4 ft ²	0.9 ft ²	0.6 ft ²	0.3 ft ²	N/A
KT-SP-5SQ-30-7G-UNV	17.8 ft ²	17.2 ft ²	16.8 ft ²	16.4 ft ²	11.9 ft ²	11.6 ft ²	11.3 ft ²	10.9 ft ²	6.9 ft ²	6.6 ft ²	6.2 ft ²	6 ft ²

ITEM CODE	110MPH				120MPH				130MPH			
	W/1.14 GUST FACTOR				W/1.14 GUST FACTOR				W/1.14 GUST FACTOR			
	50 LBS	100 LBS	150 LBS	200 LBS	50 LBS	100 LBS	150 LBS	200 LBS	50 LBS	100 LBS	150 LBS	200 LBS
KT-SP-4SQ-15-11G-UNV	11.1 ft ²	10.9 ft ²	10.7 ft ²	10.5 ft ²	8.1 ft ²	8 ft ²	7.8 ft ²	7.6 ft ²	6.2 ft ²	6 ft ²	5.9 ft ²	5.8 ft ²
KT-SP-4SQ-20-11G-UNV	4.1 ft ²	3.9 ft ²	3.7 ft ²	3.4 ft ²	2.2 ft ²	1.9 ft ²	1.7 ft ²	1.6 ft ²	0.9 ft ²	0.7 ft ²	0.5 ft ²	0.4 ft ²
KT-SP-4SQ-25-11G-UNV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
KT-SP-5SQ-30-7G-UNV	3.9 ft ²	3.6 ft ²	3.3 ft ²	3.1 ft ²	1 ft ²	0.8 ft ²	0.5 ft ²	0.3 ft ²	N/A	N/A	N/A	N/A

ITEM CODE	140MPH			
	W/1.14 GUST FACTOR			
	50 LBS	100 LBS	150 LBS	200 LBS
KT-SP-4SQ-15-11G-UNV	4.4 ft ²	4.3 ft ²	4.2 ft ²	4.1 ft ²
KT-SP-4SQ-20-11G-UNV	N/A	N/A	N/A	N/A
KT-SP-4SQ-25-11G-UNV	N/A	N/A	N/A	N/A
KT-SP-5SQ-30-7G-UNV	N/A	N/A	N/A	N/A

Approval Initials: _____



KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

WARNING

- Applications: Lighting installations for side and top mounting of luminaires with an effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location.
- The Wind Maps are intended only as a general guide. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application.
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. The responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty.
- Wind speeds and listed EPAs are for ground-mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards.
- Wind induced vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings.
- Extreme wind events like hurricanes, typhoons, cyclones, or tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings. Due to our continued efforts to improve our products, product specifications are subject to change without notice.
- Factory supplied template must be used when setting anchor bolts. Keystone Technologies will deny any warranty claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.
- For the diameter and depth of concrete pads for anchor bolts, please consult a qualified engineer.

ORDERING INFORMATION

ORDER CODE	UPC	EASY CODE
KT-SP-4SQ-15-11G-UNV	843654155715	NPU-20
KT-SP-4SQ-20-11G-UNV	843654155722	HAD-28
KT-SP-4SQ-25-11G-UNV	843654155739	QXW-50
KT-SP-5SQ-30-7G-UNV	843654155746	BSE-94

CATALOG NUMBER BREAKDOWN

KT-SP-XSQ-XX-XXG-UNV

1
2
3
4
5
6
7

- 1** Keystone Technologies
- 2** Steel Pole
- 3** Shaft Size
- 4** Square Shape
- 5** Height
- 6** Wall Thickness
- 7** Drill Pattern: Universal Style

Approval Initials: _____



KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

PROJECT SUBMISSION AND APPROVAL SECTION

PROJECT NAME		
ESTIMATED START DATE		
KEYSTONE POLES	Quantity	Catalog Number
		KT-SP-4SQ-15-11G-UNV
		KT-SP-4SQ-20-11G-UNV
		KT-SP-4SQ-25-11G-UNV
		KT-SP-5SQ-30-7G-UNV
ADDITIONAL NOTES		

With regards to the project referenced, the below parties hereby confirm that the product as presented on this spec sheet document is suitable for use on the project listed. Please initial the first 5 pages of the spec sheet and sign all sections below (minimum of one party signature needed per project for all 4 sections below.) Please send signed copy along with PO.

APPROVALS

INITIAL PAGES (1-5)	Electrical Distributor		Project Specifier		Engineering or other AHJ	
	Name		Name		Name	
	Signature		Signature		Signature	
	Date		Date		Date	
POLE DIMENSIONS & CONSTRUCTION	Electrical Distributor		Project Specifier		Engineering or other AHJ	
	Name		Name		Name	
	Signature		Signature		Signature	
	Date		Date		Date	
BASE PLATE & ANCHOR BOLT DETAILS	Electrical Distributor		Project Specifier		Engineering or other AHJ	
	Name		Name		Name	
	Signature		Signature		Signature	
	Date		Date		Date	
EPA CALCULATIONS (POLE WITH FIXTURE LOADING)	Electrical Distributor		Project Specifier		Engineering or other AHJ	
	Name		Name		Name	
	Signature		Signature		Signature	
	Date		Date		Date	



KT-ALEDXXXPS-M2-OSA-NM-8CSB-VDIM-X LED AREA LIGHT FIXTURE

DESCRIPTION

Power and Color Select Area Light with Optic Swap | 120-277V Input | Black or Silver Housing | Multiple Mounting, Optics, and Control Options

APPLICATION

Pole-mount or structure-mount outdoor illumination needs (including parking lots, auto dealerships, pathways, roadways, recreational venues, and other general area lighting requirements)



PRODUCT FEATURES

- Keystone Power Select technology (See Performance Specifications for details)
- Keystone Color Select technology (3000/4000/5000K)
- Innovative optic swap capability under door frame and latch design for quick, tool-free lens change
- Two lenses in the box: Type III installed, Type V included
- Type II and Type IV lenses sold separately. See below for details
- Heavy-duty, die-cast aluminum housing with ample heat sinking
- Low-profile design delivers high-performance illumination and improves application site aesthetics
- True U0 design for dark sky friendly performance that eliminates undesirable sky glow
- Integrated NEMA/ANSI C126.10 3-pin twist-lock receptacle with shorting cap. Compatible with KT-TLP-UV-3PN, 120-277V photocell (See Accessories section for details).
- Two easy to use mounting options available (sold separately): slip fitter mount and adjustable pole mount for square and round poles.
- Keystone 0-10V dimming driver with 6kV surge protection
- Ambient operating temperature: -40°C/-40°F to 50°C/122°F
- UL Certified; IP65 rated
- Power factor: > 0.95
- THD: < 20%
- LED chip lifetime: L70 > 100,000 hrs @ 25°C/77°F ambient fixture temperature
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions

PERFORMANCE SPECIFICATIONS

Catalog No.	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	Dimming	CRI	Distribution Pattern*	Photocell Included	Housing Color**	Legacy Equivalent
KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-S	140W	3000K	17,950	128 lm/W	120-277V	0-10V	> 80	Type III Installed, Type V Included	No	Black or Silver Available	400W MH
		4000K	20,780	148 lm/W							
		5000K	19,020	136 lm/W							
	100W	3000K	12,720	127 lm/W							
		4000K	14,750	148 lm/W							
		5000K	13,530	135 lm/W							
	70W	3000K	9310	133 lm/W							
		4000K	10,740	153 lm/W							
		5000K	9,880	141 lm/W							
KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-B KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-S	290W	3000K	36,320	125 lm/W	120-277V	0-10V	> 80	Types II and IV Available, Sold Separately	No	Black or Silver Available	1000W MH
		4000K	42,770	147 lm/W							
		5000K	38,700	133 lm/W							
	210W	3000K	27,300	130 lm/W							
		4000K	31,710	151 lm/W							
		5000K	28,980	138 lm/W							
	185W	3000K	22,970	124 lm/W							
		4000K	27,060	146 lm/W							
		5000K	24,440	132 lm/W							

* For more information, see Accessories page below or contact Keystone with questions.

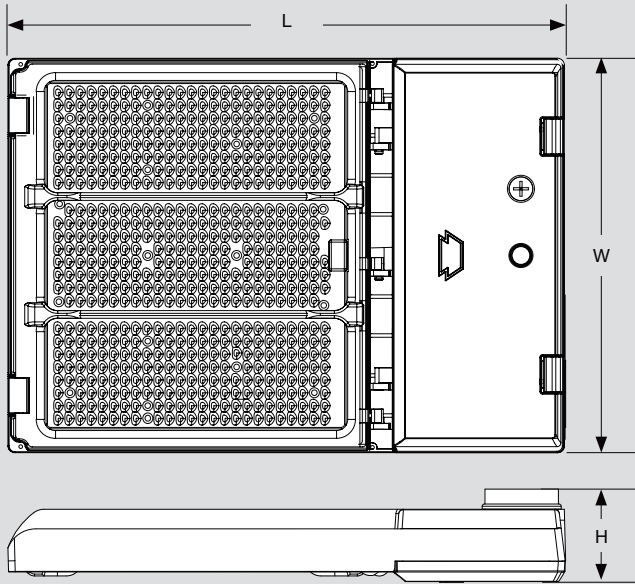
** Fixtures (and mounts) with alternate housing colors are available and made to order. Extended lead times apply. Please see catalog number breakdown for full ordering code details.

KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

PHYSICAL SPECIFICATIONS

LED AREA LIGHT FIXTURE



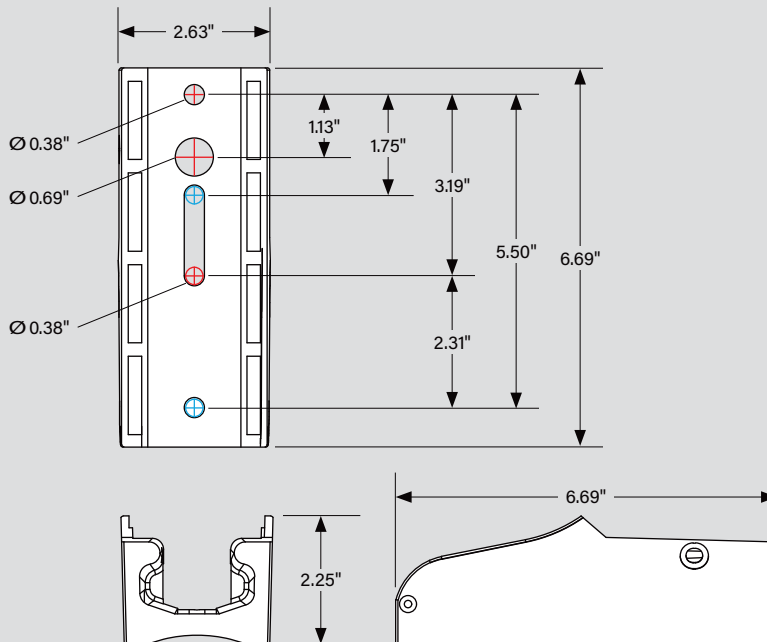
FIXTURE DIMENSIONS

Catalog Number	L (Length)	W (Width)	H (Height)
KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-S	15.70"	11.18"	3.30"
KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-B KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-B	19.72"	13.97"	3.30"

PACKAGING DIMENSIONS

Catalog Number	Carton Dimensions	Carton Weight
KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-S	5.63" x 13.15" x 21.65"	12.35 lbs
KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-B KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-B	5.63" x 15.95" x 26.18"	17.53 lbs

POLE MOUNT (ADJUSTABLE OR FIXED) DRILLING HOLES

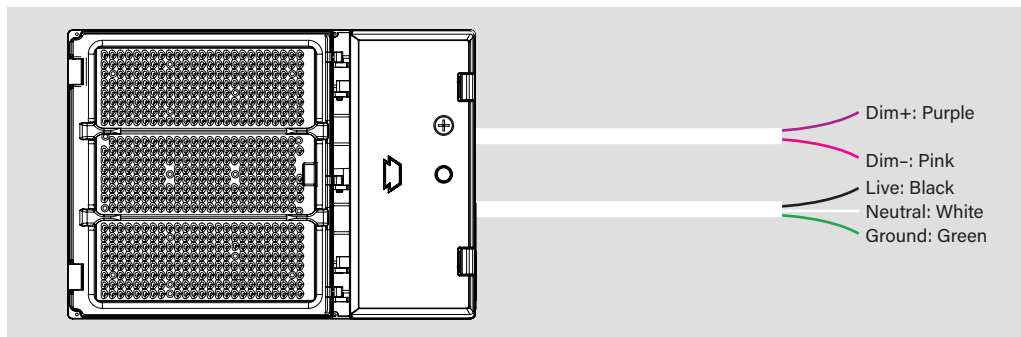




KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

WIRING DIAGRAM

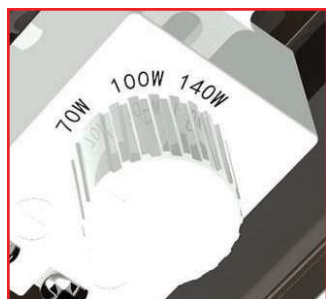


- Make input connections as needed and ensure connections are protected from exposure to the elements.
- **Input voltage rating: 120-277V**
- Ensure that input voltage on site matches the fixture you intend to install.

POWER SELECT (WATTAGE) AND COLOR SELECT (CCT) ADJUSTMENT

This fixture is equipped with field-adjustable Keystone Power Select and Color Select technology.

1. Ensure power is off to the fixture.
2. Open the driver compartment located on the underside of the fixture.
3. Adjust switches to desired settings.

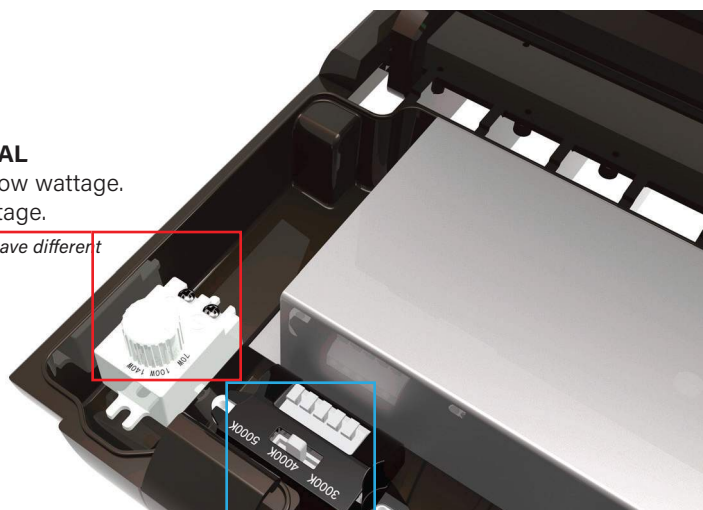


POWER SELECT ADJUSTMENT DIAL
Adjust between high, medium, and low wattage. Fixtures come preset to highest wattage.

Image for reference only. Different SKU's will have different wattages



COLOR SELECT ADJUSTMENT SWITCH
Set switch to adjust CCT between 3000K, 4000K, and 5000K. Fixture comes preset at 5000K.

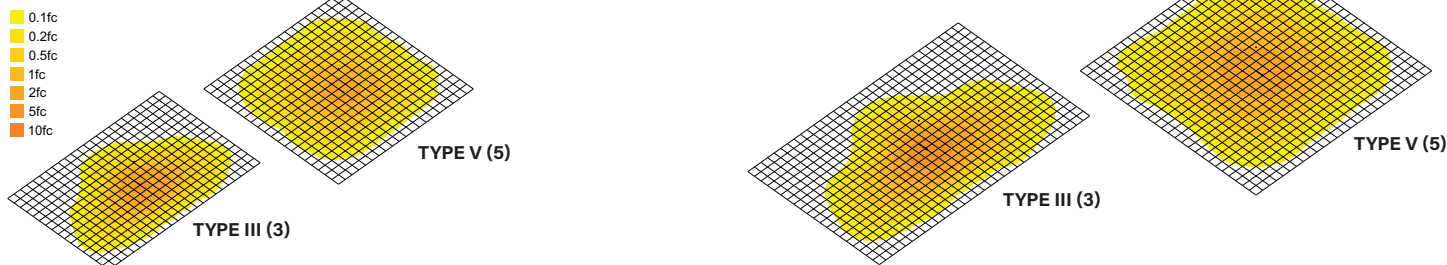


LIGHT DISTRIBUTION PATTERN

Photometric layouts for general reference only. Each square is 10 ft x 10 ft

KT-ALED140PS-M2-OSB-NM-8CSB-VDIM-X
Pole mounted at 30 ft

KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-X
Pole mounted at 35 ft



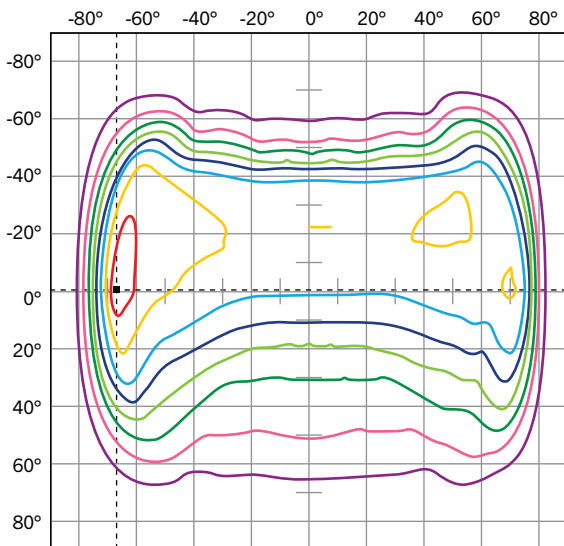


KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

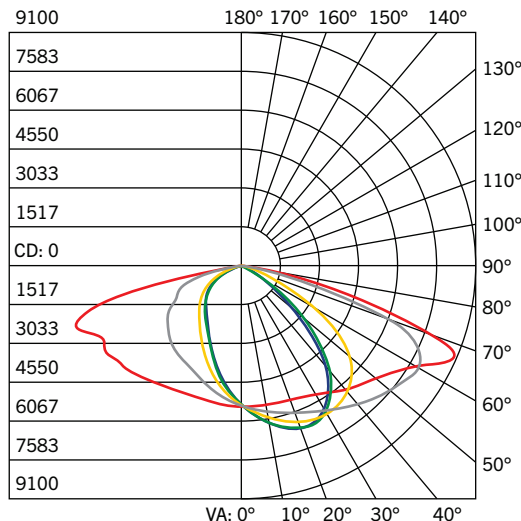
PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-X (TYPE II [2])

ISOCANDELA PLOT



- Point of Max Cd: 9029.9
- Cd: 8051, 90%
- Cd: 6709, 75%
- Cd: 5367, 60%
- Cd: 4473, 50%
- Cd: 3578, 40%
- Cd: 2684, 30%
- Cd: 1789, 20%
- Cd: 895, 10%

POLAR CANDELA DISTRIBUTION



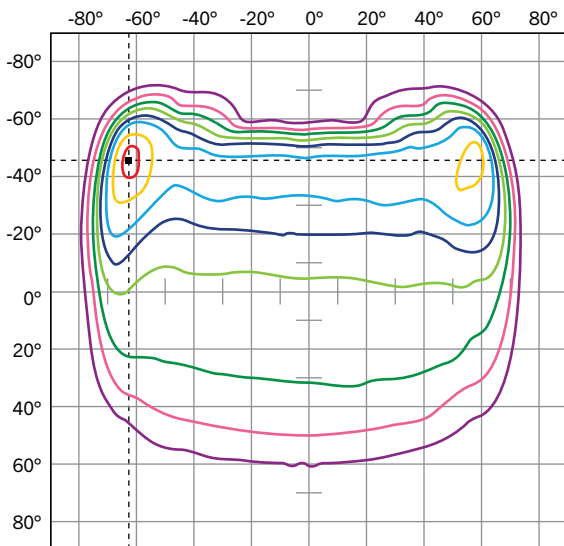
- : 0° H
- : 22.5° H
- : 67.5° H
- : 90° H
- : 45° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	2635.6	14.2%
30°-60°	6056.9	32.6%
60°-80°	2427.6	13.1%
80°-90°	86.6	0.5%
Back Light		
0°-30°	1792.1	9.6%
30°-60°	3633.2	19.5%
60°-80°	1887.1	10.2%
80°-90°	71.0	0.4%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18590.1	100.0%
BUG Rating	B3-U0-G3	

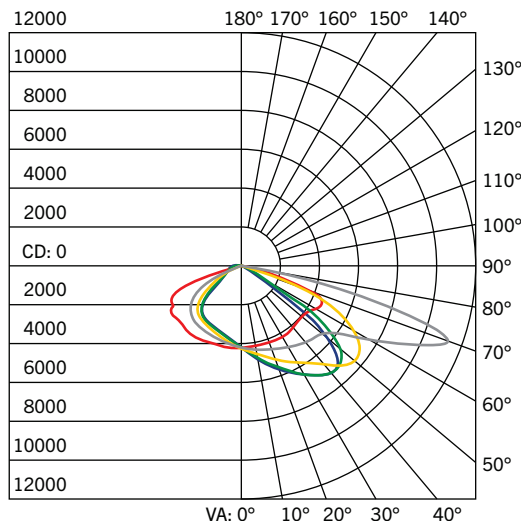
PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-X (TYPE III [3])

ISOCANDELA PLOT



- Point of Max Cd: 11595.9
- Cd: 10278, 90%
- Cd: 8565, 75%
- Cd: 6852, 60%
- Cd: 5710, 50%
- Cd: 4568, 40%
- Cd: 3426, 30%
- Cd: 2284, 20%
- Cd: 1142, 10%

POLAR CANDELA DISTRIBUTION



- : 0° H
- : 22.5° H
- : 67.5° H
- : 90° H
- : 45° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	2171.9	11.5%
30°-60°	6942.9	36.9%
60°-80°	3378.3	17.9%
80°-90°	65.9	0.4%
Back Light		
0°-30°	1621.8	8.6%
30°-60°	3565.3	18.9%
60°-80°	1049.9	5.6%
80°-90°	36.4	0.2%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18832.4	100.0%
BUG Rating	B3-U0-G3	

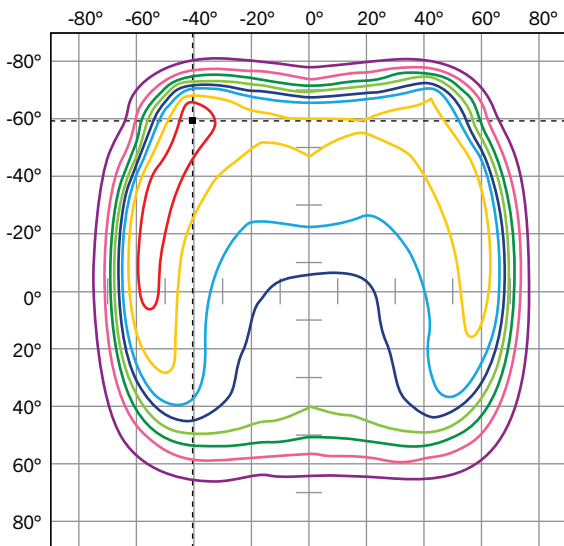


KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-X (TYPE IV [4])

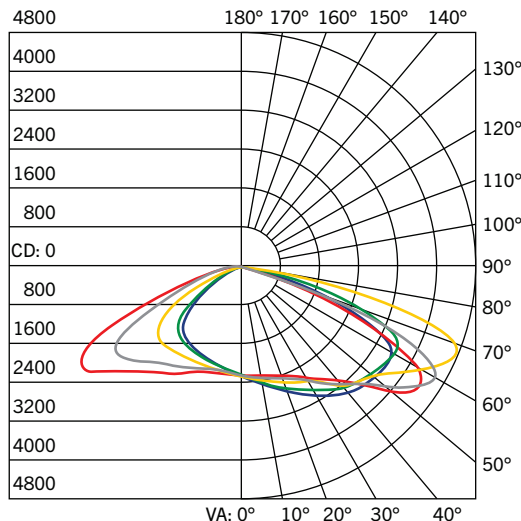
ISOCANDELA PLOT



--- Point of Max Cd: 7219.1

- Cd: 6400, 90%
- Cd: 5333, 75%
- Cd: 4267, 60%
- Cd: 3556, 50%
- Cd: 2844, 40%
- Cd: 2133, 30%
- Cd: 1422, 20%
- Cd: 711, 10%

POLAR CANDELA DISTRIBUTION



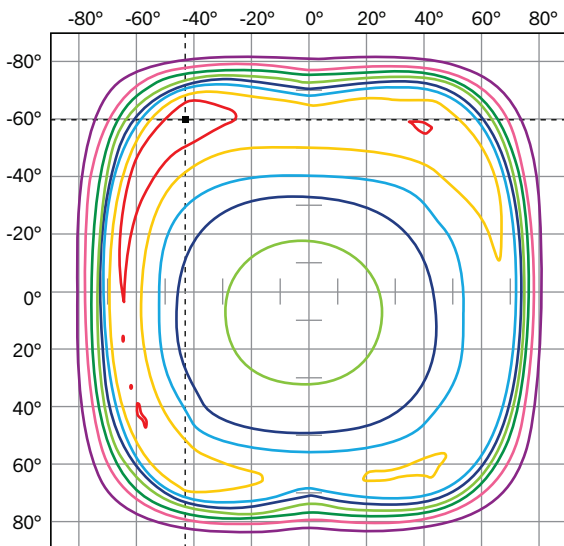
- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	1628.1	8.8%
30°-60°	5903.8	32.1%
60°-80°	3949.0	21.4%
80°-90°	152.1	0.8%
Back Light		
0°-30°	1411.5	7.7%
30°-60°	4065.2	22.1%
60°-80°	1269.2	6.9%
80°-90°	35.3	0.2%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18414.2	100.0%
BUG Rating	B3-U0-G3	

PHOTOMETRIC SPECIFICATIONS KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-X (TYPE V [5])

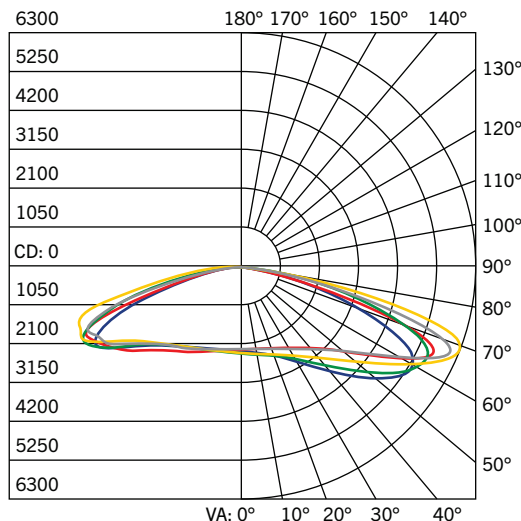
ISOCANDELA PLOT



--- Point of Max Cd: 6268.6

- Cd: 5608, 90%
- Cd: 4673, 75%
- Cd: 3739, 60%
- Cd: 3116, 50%
- Cd: 2492, 40%
- Cd: 1869, 30%
- Cd: 1246, 20%
- Cd: 623, 10%

POLAR CANDELA DISTRIBUTION



- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

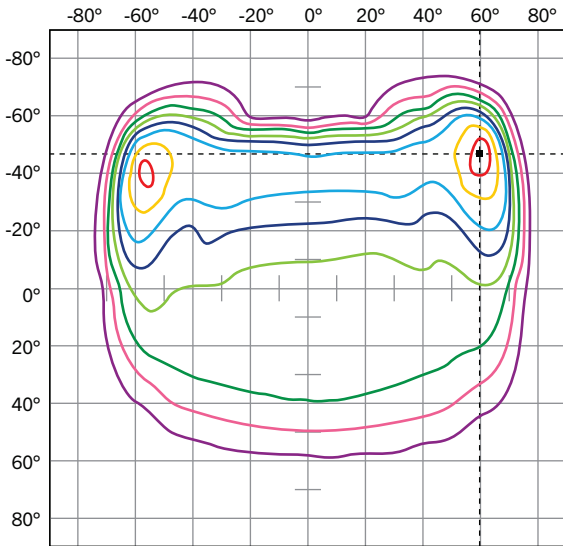
Zone	Lumens	% Luminaire
Forward Light		
0°-30°	1056.8	5.6%
30°-60°	4393.8	23.3%
60°-80°	4321.3	23.0%
80°-90°	233.7	1.2%
Back Light		
0°-30°	995.5	5.3%
30°-60°	3593.6	19.1%
60°-80°	3986.6	21.2%
80°-90°	238.8	1.3%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	18820.1	100.0%
BUG Rating	B4-U0-G3	

KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

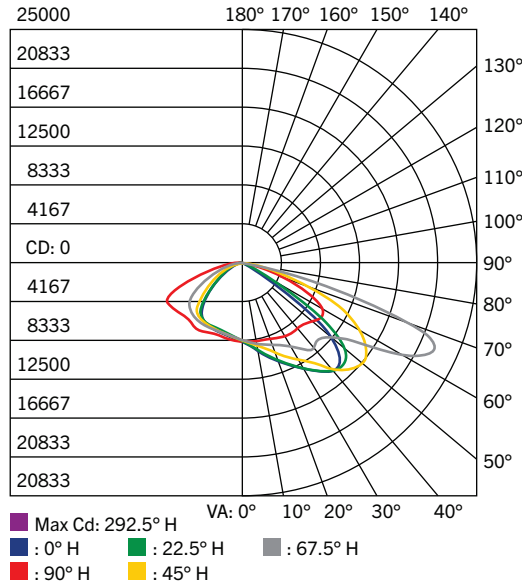
PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-X (TYPE II [2])

ISOCANDELA PLOT



- Point of Max Cd: 24472.5
- Cd: 21625, 90%
 - Cd: 18020, 75%
 - Cd: 14416, 60%
 - Cd: 12014, 50%
 - Cd: 9611, 40%
 - Cd: 7208, 30%
 - Cd: 4805, 20%
 - Cd: 2403, 10%

POLAR CANDELA DISTRIBUTION



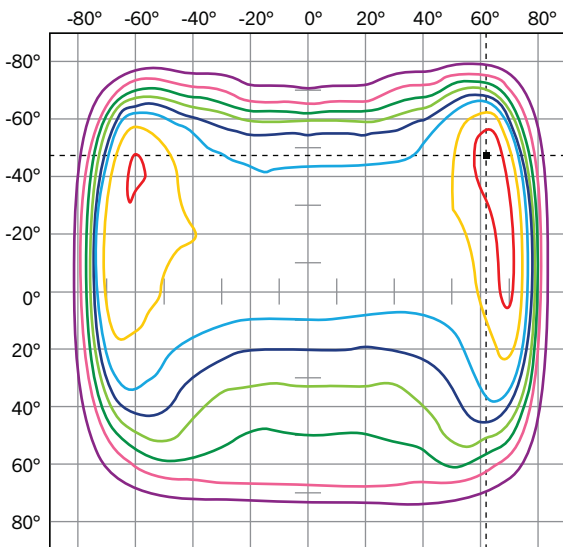
- Max Cd: 292.5° H
- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	4351.7	10.9%
30°-60°	14745.1	37.0%
60°-80°	7342.5	18.4%
80°-90°	181.0	0.5%
Back Light		
0°-30°	3433.4	8.6%
30°-60°	7633.2	19.2%
60°-80°	2037.6	5.1%
80°-90°	76.3	0.2%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	39800.8	100.0%
BUG Rating	B4-U0-G3	

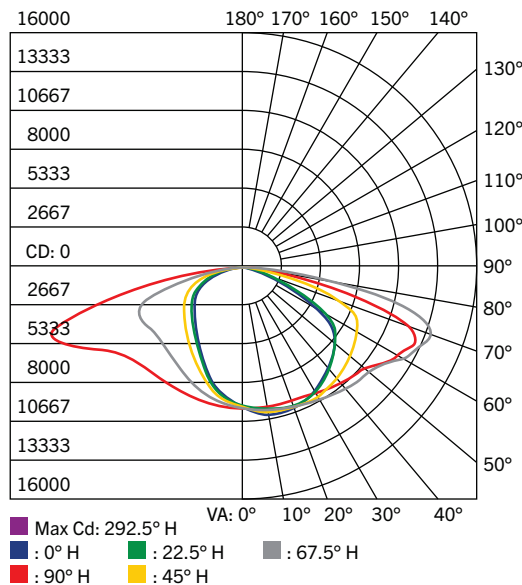
PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-X (TYPE III [3])

ISOCANDELA PLOT



- Point of Max Cd: 15289.9
- Cd: 13624, 90%
 - Cd: 11368, 75%
 - Cd: 9095, 60%
 - Cd: 7579, 50%
 - Cd: 6063, 40%
 - Cd: 4547, 30%
 - Cd: 3032, 20%
 - Cd: 1516, 10%

POLAR CANDELA DISTRIBUTION



- Max Cd: 292.5° H
- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

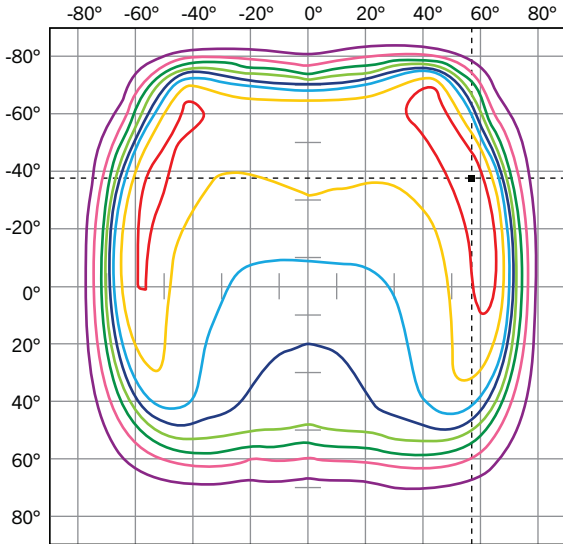
Zone	Lumens	% Luminaire
Forward Light		
0°-30°	4375.3	11.0%
30°-60°	11377.5	38.6%
60°-80°	7372.5	18.6%
80°-90°	503.8	1.3%
Back Light		
0°-30°	3570.4	9.0%
30°-60°	7690.4	19.4%
60°-80°	4636.1	11.7%
80°-90°	200.5	0.5%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	39726.5	100.0%
BUG Rating	B4-U0-G4	

KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

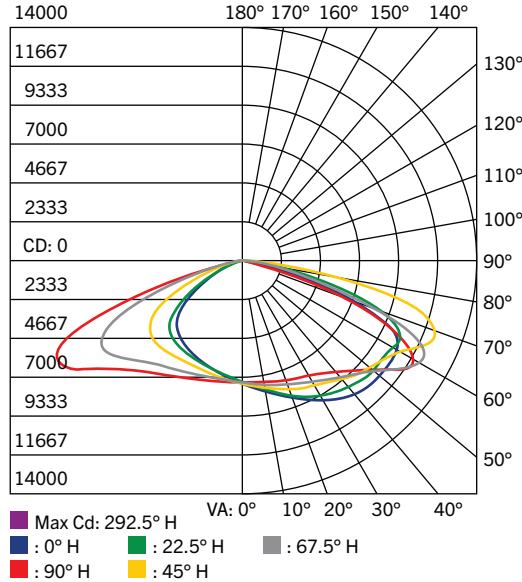
PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-X (TYPE IV [4])

ISOCANDELA PLOT



- Point of Max Cd: 13318.0
- Cd: 11899, 90%
 - Cd: 9916, 75%
 - Cd: 7933, 60%
 - Cd: 6610, 50%
 - Cd: 5288, 40%
 - Cd: 3966, 30%
 - Cd: 2644, 20%
 - Cd: 1322, 10%

POLAR CANDELA DISTRIBUTION



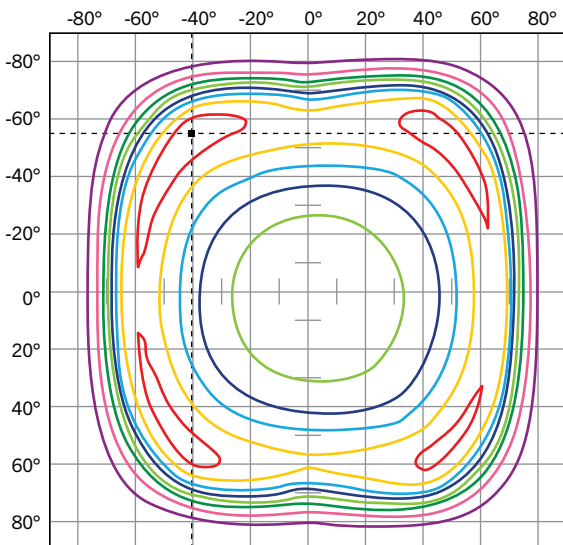
- Max Cd: 292.5° H
- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	3496.9	8.9%
30°-60°	11626.4	29.8%
60°-80°	8787.4	22.5%
80°-90°	518.0	1.3%
Back Light		
0°-30°	2971.1	7.6%
30°-60°	8241.1	21.1%
60°-80°	3333.1	8.5%
80°-90°	101.3	0.3%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	39075.3	100.0%
BUG Rating	B4-U0-G4	

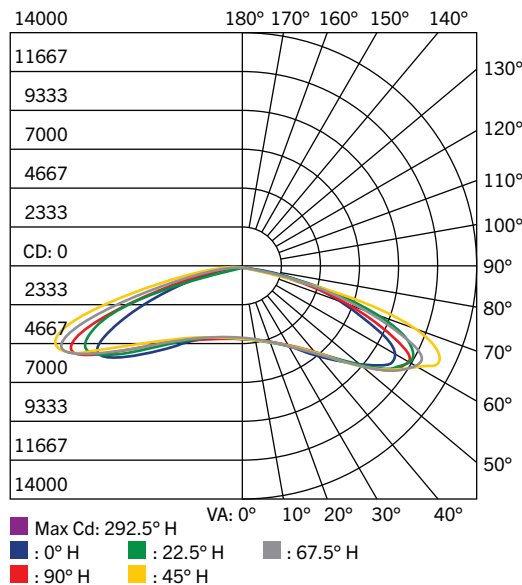
PHOTOMETRIC SPECIFICATIONS KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-X (TYPE V [5])

ISOCANDELA PLOT



- Point of Max Cd: 13363.4
- Cd: 11985, 90%
 - Cd: 9988, 75%
 - Cd: 7990, 60%
 - Cd: 6659, 50%
 - Cd: 5327, 40%
 - Cd: 3995, 30%
 - Cd: 2663, 20%
 - Cd: 1332, 10%

POLAR CANDELA DISTRIBUTION



- Max Cd: 292.5° H
- : 0° H
- : 90° H
- : 22.5° H
- : 45° H
- : 67.5° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
Forward Light		
0°-30°	2080.9	5.3%
30°-60°	9547.3	24.1%
60°-80°	8307.2	21.0%
80°-90°	338.0	0.9%
Back Light		
0°-30°	2030.2	5.1%
30°-60°	8965.1	22.7%
60°-80°	7959.9	20.1%
80°-90°	313.0	0.8%
Up Light		
90°-100°	0.0	0.0%
100°-180°	0.0	0.0%
Total	39538.6	100.0%
BUG Rating	B5-U0-G4	












KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

EPA SPECIFICATIONS

MEDIUM AND LARGE-SIZE FIXTURE HOUSING

- Conditions: Horizontal winds only for calculations. Worst case total projected area used for calculations.
- All drag coefficients are set as worst case 1.2
- For details on exact EPA calculations and assumptions, please contact productsupport@keystonetech.com

EPA Calcs (1.2*ft^2 View)		Single Fixture	2 Fixtures at 90°	2 Fixtures at 180°	3 Fixtures at 90°	3 Fixtures at 120°	4 Fixtures at 90°	2 Fixtures Side-by-Side	3 Fixtures Side-by-Side	4 Fixtures Side-by-Side
Adjustable Pole Mount	Horizontal (M)									
	Horizontal (L)	0.50 sq. ft.	0.78 sq. ft.	1.01 sq. ft.	1.19 sq. ft.	1.28 sq. ft.	1.19 sq. ft.	0.74 sq. ft.	1.11 sq. ft.	1.48 sq. ft.
Adjustable Pole Mount	45° (M)	0.62 sq. ft.	0.90 sq. ft.	1.24 sq. ft.	1.42 sq. ft.	1.48 sq. ft.	1.42 sq. ft.	0.74 sq. ft.	1.11 sq. ft.	1.48 sq. ft.
	45° (L)	1.27 sq. ft.	1.73 sq. ft.	1.27 sq. ft.	2.20 sq. ft.	3.10 sq. ft.	2.20 sq. ft.	2.53 sq. ft.	3.80 sq. ft.	5.07 sq. ft.
Slip Fitter Mount	Horizontal (M)	1.85 sq. ft.	2.43 sq. ft.	1.85 sq. ft.	3.01 sq. ft.	4.42 sq. ft.	3.01 sq. ft.	3.70 sq. ft.	5.55 sq. ft.	7.40 sq. ft.
	Horizontal (L)	0.48 sq. ft.	0.87 sq. ft.	0.97 sq. ft.	1.30 sq. ft.	1.37 sq. ft.	1.30 sq. ft.	0.86 sq. ft.	1.30 sq. ft.	1.73 sq. ft.
Slip Fitter Mount	45° (M)	0.60 sq. ft.	0.98 sq. ft.	1.20 sq. ft.	1.53 sq. ft.	1.57 sq. ft.	1.53 sq. ft.	0.86 sq. ft.	1.30 sq. ft.	1.73 sq. ft.
	45° (L) <td>1.34 sq. ft.</td> <td>1.80 sq. ft.</td> <td>1.34 sq. ft.</td> <td>2.28 sq. ft.</td> <td>3.06 sq. ft.</td> <td>2.28 sq. ft.</td> <td>2.67 sq. ft.</td> <td>4.01 sq. ft.</td> <td>5.35 sq. ft.</td>	1.34 sq. ft.	1.80 sq. ft.	1.34 sq. ft.	2.28 sq. ft.	3.06 sq. ft.	2.28 sq. ft.	2.67 sq. ft.	4.01 sq. ft.	5.35 sq. ft.
Slip Fitter Mount	Vertical (M)	1.92 sq. ft.	2.51 sq. ft.	1.92 sq. ft.	3.09 sq. ft.	4.39 sq. ft.	3.09 sq. ft.	3.84 sq. ft.	5.76 sq. ft.	7.68 sq. ft.
	Vertical (L) <td>1.76 sq. ft.</td> <td>2.25 sq. ft.</td> <td>1.76 sq. ft.</td> <td>2.73 sq. ft.</td> <td>2.94 sq. ft.</td> <td>2.73 sq. ft.</td> <td>3.53 sq. ft.</td> <td>5.29 sq. ft.</td> <td>7.06 sq. ft.</td>	1.76 sq. ft.	2.25 sq. ft.	1.76 sq. ft.	2.73 sq. ft.	2.94 sq. ft.	2.73 sq. ft.	3.53 sq. ft.	5.29 sq. ft.	7.06 sq. ft.
Slip Fitter Mount	Vertical (M)	2.59 sq. ft.	3.19 sq. ft.	2.59 sq. ft.	3.80 sq. ft.	4.07 sq. ft.	3.80 sq. ft.	5.18 sq. ft.	7.77 sq. ft.	10.35 sq. ft.
	Vertical (L) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									

KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

ACCESSORIES (SOLD SEPARATELY)

SENSORS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
	/3PN	KT-TLP-UV-3PN	NEMA Type Twist-Lock 3-Pin Photocell 120-277V 1800VA Max Blue	843654131825	NQT-46
	/7PRS***	KT-RSC-7PN	NEMA Type 7-Pin Receptacle	843654135205	BIZ-08
	/MW3	KTS-MW3-12V-PKO	12V Microwave Occupancy Sensor	843654130637	TRM-32
	/FC3**	KTSL-FC3-12V-PKO-PIR	Bluetooth mesh wireless screw-in LED controller for SmartLoop system Integrated daylight sensor PIR motion sensor	843654138862	OCW-60
	/FC4	KTSL-FC4-12V-PKO	Bluetooth mesh wireless screw-in low voltage fixture controller for SmartLoop system	843654149066	RUN-10



Twist-Lock Photocell
KT-TLP-UV-3PN

Twist-lock Receptacle
KT-RSC-7PN

Microwave Occupancy Sensor
KTS-MW3-12V-PKO

SmartLoop PIR Motion Sensor**
KTSL-FC3-12V-PKO-PIR

SmartLoop Controller
KTSL-FC4-12V-PKO

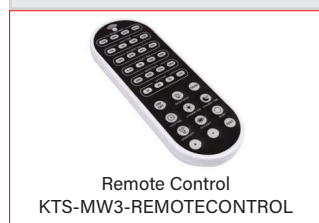
* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

** When installing on Keystone area lights, use small thin gasket provided with the sensor to ensure proper electrical connection and a water-tight seal. Hand tighten only. (Do NOT use the larger thick gasket. Sensor will not make electrical contact with thick gasket.) PIR sensors may not always perform reliably in typical outdoor environments. Ensure sensors are used and commissioned with this in mind. Consult Keystone for further information on the matter. When using KTSL-FC3-12V-PKO-PIR in applications with photosensor control for dusk to dawn, use 3-pin twist-lock photocells (KT-TLP-UV-3P) for optimal functionality.

*** Factory-installed only (not field-installable).

Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KTS-MW3-REMOTECONTROL	Remote control for KTS-MW3-12V-XX Sensors Sets and adjusts all sensor performance parameters	843654132020	XSR-61



Remote Control
KTS-MW3-REMOTECONTROL

SURGE PROTECTORS

Factory-Installable OR Field-Installable (field-installable purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KTSP-10KV-C	External surge protector Compact design	843654129204	BUU-26



External surge protector
KTSP-10KV-C

(Accessories continued on next page)

KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

ACCESSORIES CONTINUED (SOLD SEPARATELY)

LENSES

Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-ALED-LENS-M2-2CS-KIT	Type II optics lens Used on Series 2 area lights Medium size Color Select	843654153933	ICD-51
KT-ALED-LENS-M2-4CS-KIT	Type IV optics lens Used on Series 2 area lights Medium size Color Select	843654153971	DZD-72
KT-ALED-LENS-L2-2CS-KIT	Type II optics lens Used on Series 2 area lights Large size Color Select	843654153858	HXC-12
KT-ALED-LENS-L2-4CS-KIT	Type IV optics lens Used on Series 2 area lights Large size Color Select	843654153896	CIW-62



Lenses
KT-ALED-LENS-M2-XCS-KIT



Lenses
KT-ALED-LENS-L2-XCS-KIT

MOUNTS AND BRACKETS

Field-Installable / Field-Use ONLY (purchased separately)

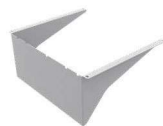
CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-ALED-GS-M2-KIT-B	Reversible glare shield Medium size Black	843654164410	WBV-17
KT-ALED-GS-M2-KIT-S	Reversible glare shield Medium size Silver	843654164427	QMH-33
KT-ALED-GS-L2-KIT-B	Reversible glare shield Large size Black	843654164434	ODJ-17
KT-ALED-GS-L2-KIT-S	Reversible glare shield Large size Silver	843654164441	PEN-02
KT-ALED-GS-M2-R-KIT-B	Right-side mounted glare shield Medium size Black	843654164458	DYW-04
KT-ALED-GS-M2-L-KIT-B	Left-side mounted glare shield Medium size Black	843654164908	MJH-96
KT-ALED-GS-M2-R-KIT-S	Right-side mounted glare shield Medium size Silver	843654164915	CDT-40
KT-ALED-GS-M2-L-KIT-S	Left-side mounted glare shield Medium size Silver	843654164465	CPZ-68
KT-ALED-GS-L2-R-KIT-B	Right-side mounted glare shield Large size Black	843654164472	WLA-42
KT-ALED-GS-L2-L-KIT-B	Left-side mounted glare shield Large size Black	843654164922	RHA-78
KT-ALED-GS-L2-R-KIT-S	Right-side mounted glare shield Large size Silver	843654164939	ILY-69
KT-ALED-GS-L2-L-KIT-S	Left-side mounted glare shield Large size Silver	843654164489	YBO-69
KT-ALED-SF-1-KIT-B	Slipfitter mount Fits 2 3/8" tenon Black	843654157696	NDX-25
KT-ALED-PMA-1-KIT-B	Adjustable pole mount For round or square pole Black	843654157672	BIM-83
KT-ALED-SF-1-KIT-S	Slipfitter mount Fits 2 3/8" tenon Silver	843654157702	ZLW-27
KT-ALED-PMA-1-KIT-S	Adjustable pole mount For round or square pole Silver	843654157689	ZXM-10



Reversible Glare Shield
KT-ALED-GS-M2-KIT-B



Reversible Glare Shield
KT-ALED-GS-L2-KIT-B



Reversible Glare Shield
KT-ALED-GS-M2-KIT-S



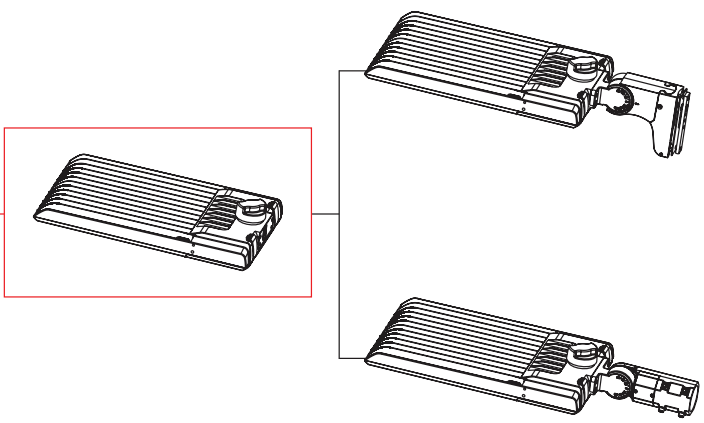
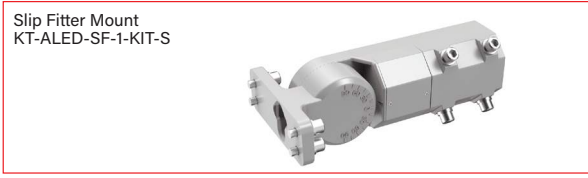
Reversible Glare Shield
KT-ALED-GS-L2-KIT-S

(Accessories continued on next page)

KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

ACCESSORIES CONTINUED (SOLD SEPARATELY)





KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

LED AREA LIGHT FIXTURE

ORDERING INFORMATION

ORDER CODE	UPC	Easy Code	DLC PRODUCT ID
KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B	843654157634	FBL-20	S-QPTG52
KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-S	843654157641	EXX-12	
KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-B	843654157658	PBA-37	S-HRJG30
KT-ALED290PS-L2-OSA-NM-8CSB-VDIM-S	843654157665	FOM-05	

CATALOG NUMBER BREAKDOWN

KT-ALEDXXXPS-X2-OSA-NM-8CSB-VDIM-X

1	2	3	4	5	6	7	8	9	10	11	12	13	14															
1 Keystone Technologies	2 Area Light	3 LED Technology	4 Max Wattage	5 Power Select	6 Size / Shape	7 Optic Swap	8 Optic Swap Designation	9 No Mounting	10 80 CRI	11 Color Select	12 Color Select Designation	13 0-10V Dimming	14 Housing Color															
			<table border="1" style="font-size: small;"> <tr><td>140</td><td>140W</td></tr> <tr><td>290</td><td>290W</td></tr> </table>	140	140W	290	290W		<table border="1" style="font-size: small;"> <tr><td>M</td><td>Medium</td></tr> <tr><td>L</td><td>Large</td></tr> </table>	M	Medium	L	Large			<table border="1" style="font-size: small;"> <tr><td>B</td><td>Type III lens installed, V lens included</td></tr> </table>	B	Type III lens installed, V lens included		<table border="1" style="font-size: small;"> <tr><td>B</td><td>3000/4000/5000K</td></tr> </table>	B	3000/4000/5000K		<table border="1" style="font-size: small;"> <tr><td>B</td><td>Black</td></tr> <tr><td>S</td><td>Silver</td></tr> </table>	B	Black	S	Silver
140	140W																											
290	290W																											
M	Medium																											
L	Large																											
B	Type III lens installed, V lens included																											
B	3000/4000/5000K																											
B	Black																											
S	Silver																											

ORDERING EXAMPLES

FIXTURE WITH SINGLE FACTORY-INSTALLED ACCESSORY

KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B /7PRS

FIXTURE WITH NO FACTORY-INSTALLED ACCESSORIES

KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B

KEYSTONE FIXTURE		
CATALOG NUMBER		
KT-ALED140PS-M2-OSA-NM-8CSB-VDIM-B		
SENSORS		
<input checked="" type="checkbox"/>	SUFFIX	CATALOG NUMBER
<input checked="" type="checkbox"/>	/7PRS	KT-RSC-7PN

** When ordering more than one factory-installed accessory, use multiple suffixes as shown in the ordering examples above.
Note: All accessories can also be ordered separately for field installation using just their regular Catalog Number, UPC, or Easy Code.*

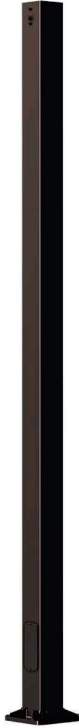


KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

DESCRIPTION

The Keystone Square Pole is designed for top or side mounted luminaries, with a new universal drill pattern on all four sides of the pole. Rubber plugs are included to cover all unused holes (16 total). Stocked in 15', 20', 25' and 30' lengths in a dark bronze finish. Includes pole, pole cap, base plate cover, and hand hole cover.



CONSTRUCTION

- High grade steel exceeds ASTM A500 Grade C with minimum yield strength of 50,000 PSI
- Base plates constructed of high strength ASTM A36 steel with 36,000 PSI minimum yield strength
- Poles have a standard bronze polyester powder coat finish (custom finishes available, consult Keystone representative for more information)
- Pre-drilled universal hole pattern on all four sides for flexible luminaire attachment (accommodates 2"-3" on-center hole patterns)

INSTALLATION COMPONENTS

- Pole includes spring-loaded thermoplastic polymer pole cap, easily secured 2-piece base plate cover and a reinforced cast-iron hand hole cover with ground screw. Anchor bolts and template sold and shipped separately
- 16 Plugs provided to seal unused drill holes at top of pole

DIMENSIONAL SPECIFICATIONS

Catalog Number	Pole				Base Plate			Anchor Bolts		Approx Shipping Weight
	Nominal Height	Nominal Shaft Dimensions	Wall Thickness		Size	Thickness	Bolt Circle	Size	Projection	
			Gauge	Inches						
KT-SP-4SQ-15-11G-UNV	15 ft.	4" Square	11	.119"	8" Square	.75"	8"- 9" Dia	.75" x 20" x 3"	3.5"	110 lbs
KT-SP-4SQ-20-11G-UNV	20 ft.	4" Square	11	.119"	8" Square	.75"	8"- 9" Dia	.75" x 20" x 3"	3.5"	141 lbs
KT-SP-4SQ-25-11G-UNV	25 ft.	4" Square	11	.119"	8" Square	.75"	8"- 9" Dia	.75" x 20" x 3"	3.5"	172 lbs
KT-SP-5SQ-30-7G-UNV	30 ft.	5" Square	7	.179"	11" Square	1"	10"- 12" Dia	1" x 36" x 4"	4.0"	397 lbs

ACCESSORIES (SOLD AND SHIPPED SEPARATELY)

See Page 4 for details

Catalog Number	Description
KT-ABOLT-4SQ-K1	Set of (4) Anchor bolts and hardware, .75" x 20" x 3". FOR USE ON 4" POLES
KT-ABOLT-5SQ-K1	Set of (4) Anchor bolts and hardware, 1" x 36" x 4". FOR USE ON 5" POLES

Approval Initials: _____



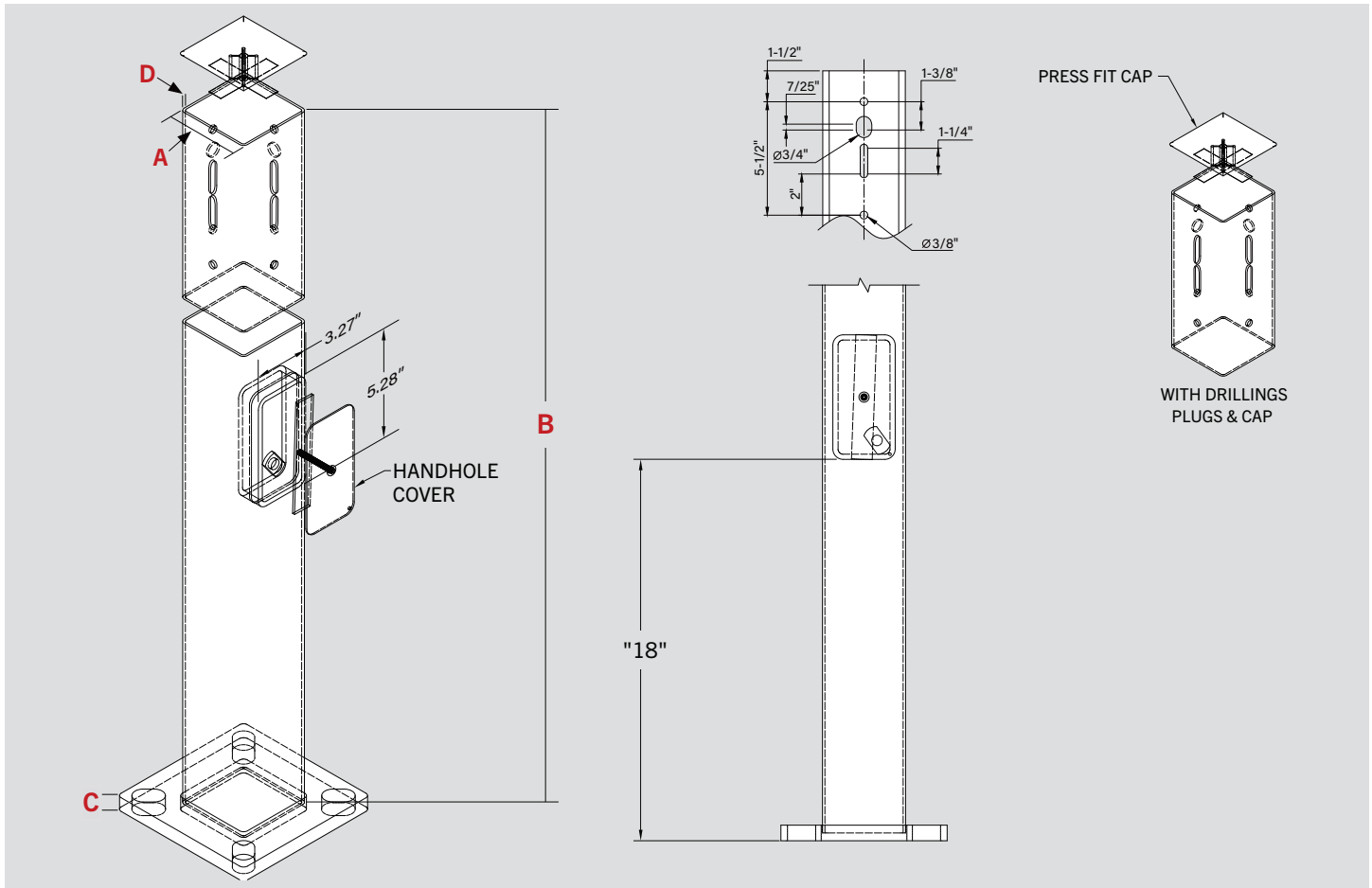
KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

INCLUDED ACCESSORIES

BASE PLATE COVER	POLE CAP (Black)	HAND HOLE COVER	PLUGS (16 total)
			

PHYSICAL SPECIFICATIONS



DIMENSIONS

A	B	C	D
Pole Size	Height	Base Thickness	Wall Thickness
4" square	15-25'	.75"	0.119"
5" square	30'	1"	0.179"

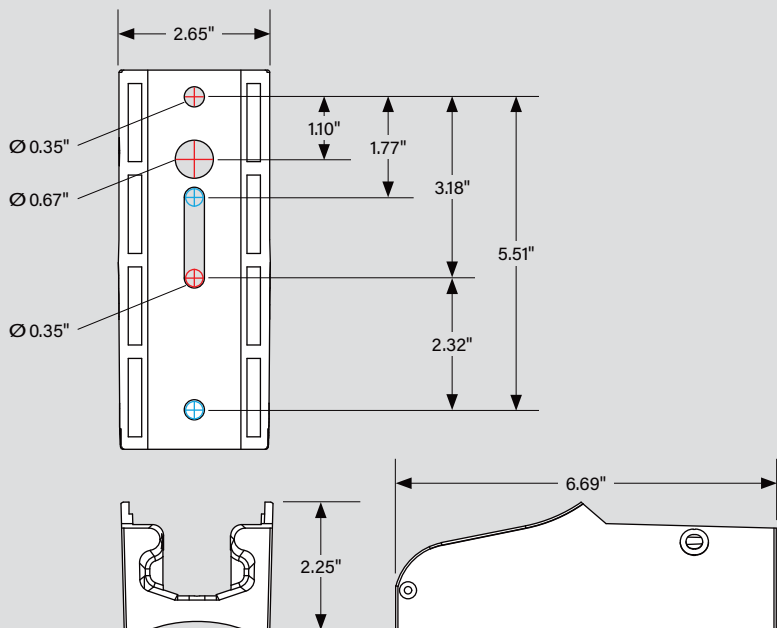
Approval Initials: _____

KT-SP-XSQ-XX-XXG-UNV

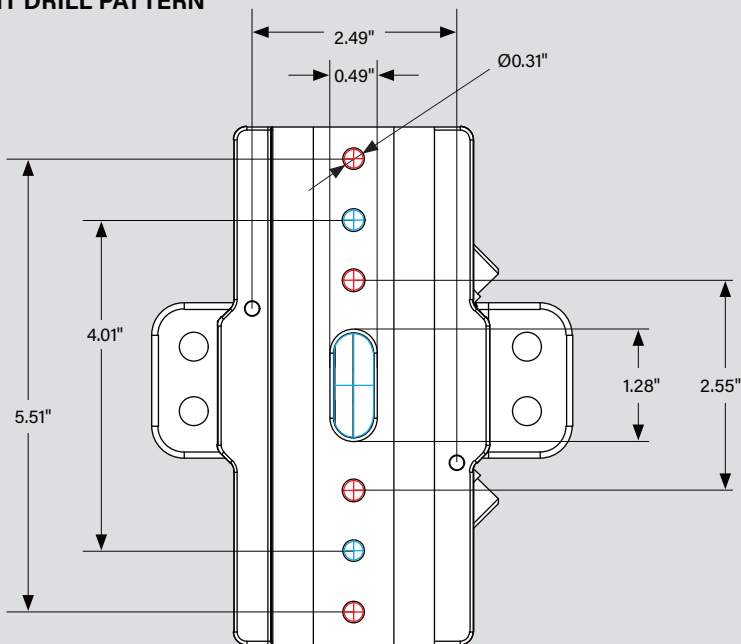
SQUARE STRAIGHT STEEL POLE

PHYSICAL SPECIFICATIONS (continued)

POLE MOUNT DRILL PATTERN



UNIVERSAL SLIPFITTER MOUNT DRILL PATTERN



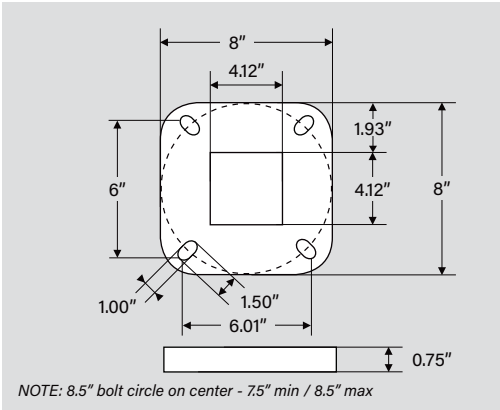
Approval Initials: _____

KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

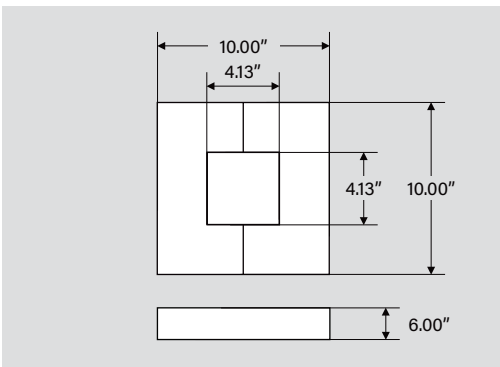
4" X 4" POLE SHAFT DIMENSIONS

BASE PLATE

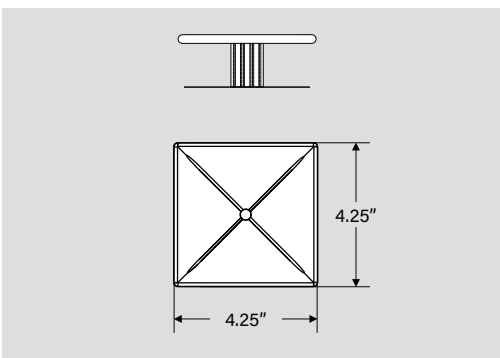


BASE PLATE COVER

(INCLUDED; PACKAGED SEPARATELY)

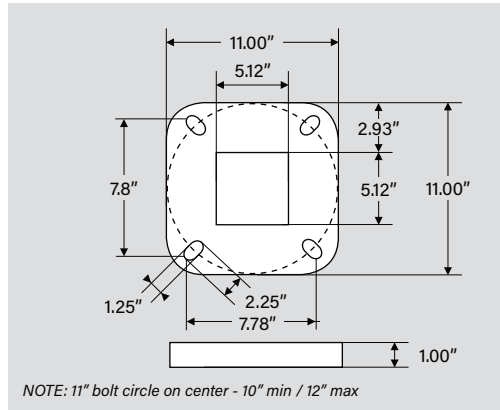


POLE CAP (INCLUDED; PACKAGED SEPARATELY)



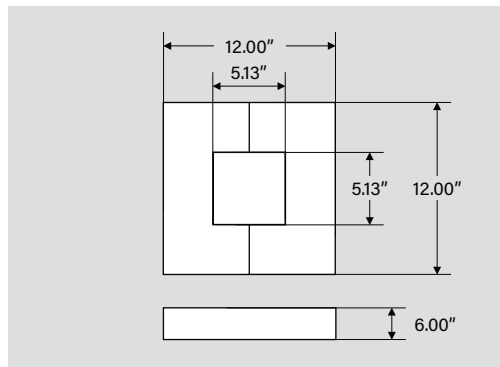
5" X 5" POLE SHAFT DIMENSIONS

BASE PLATE

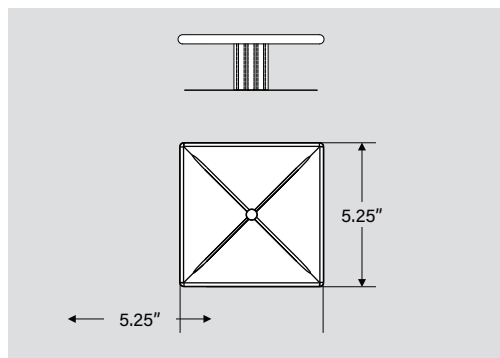


BASE PLATE COVER

(INCLUDED; PACKAGED SEPARATELY)



POLE CAP (INCLUDED; PACKAGED SEPARATELY)



Approval Initials: _____

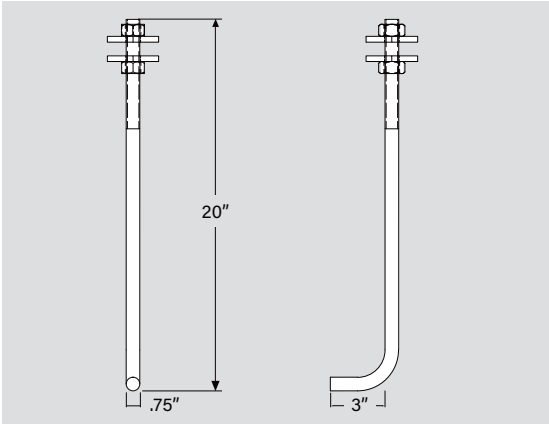


KT-SP-XSQ-XX-XXG-UNV

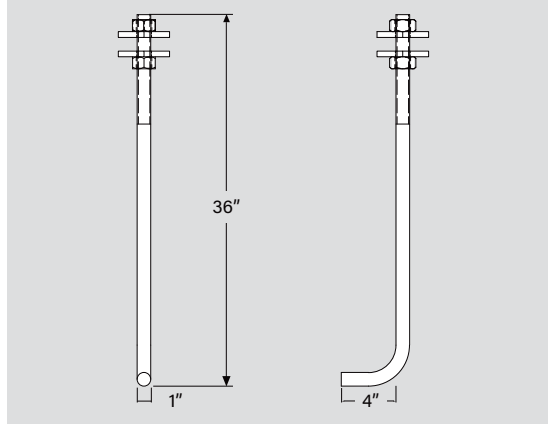
SQUARE STRAIGHT STEEL POLE

ANCHOR BOLTS (NOT INCLUDED; ORDERED SEPARATELY)

KT-ABOLT-4SQ-K1



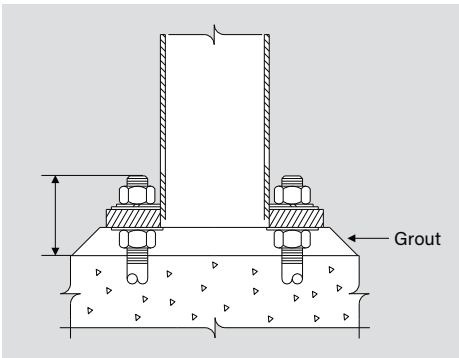
KT-ABOLT-5SQ-K1



ORDERING INFORMATION

ORDER CODE	UPC	EASY CODE
KT-ABOLT-4SQ-K1	843654138053	ARO-13
KT-ABOLT-5SQ-K1	843654138060	NCI-73

BOLT PROJECTION



Approval Initials: _____

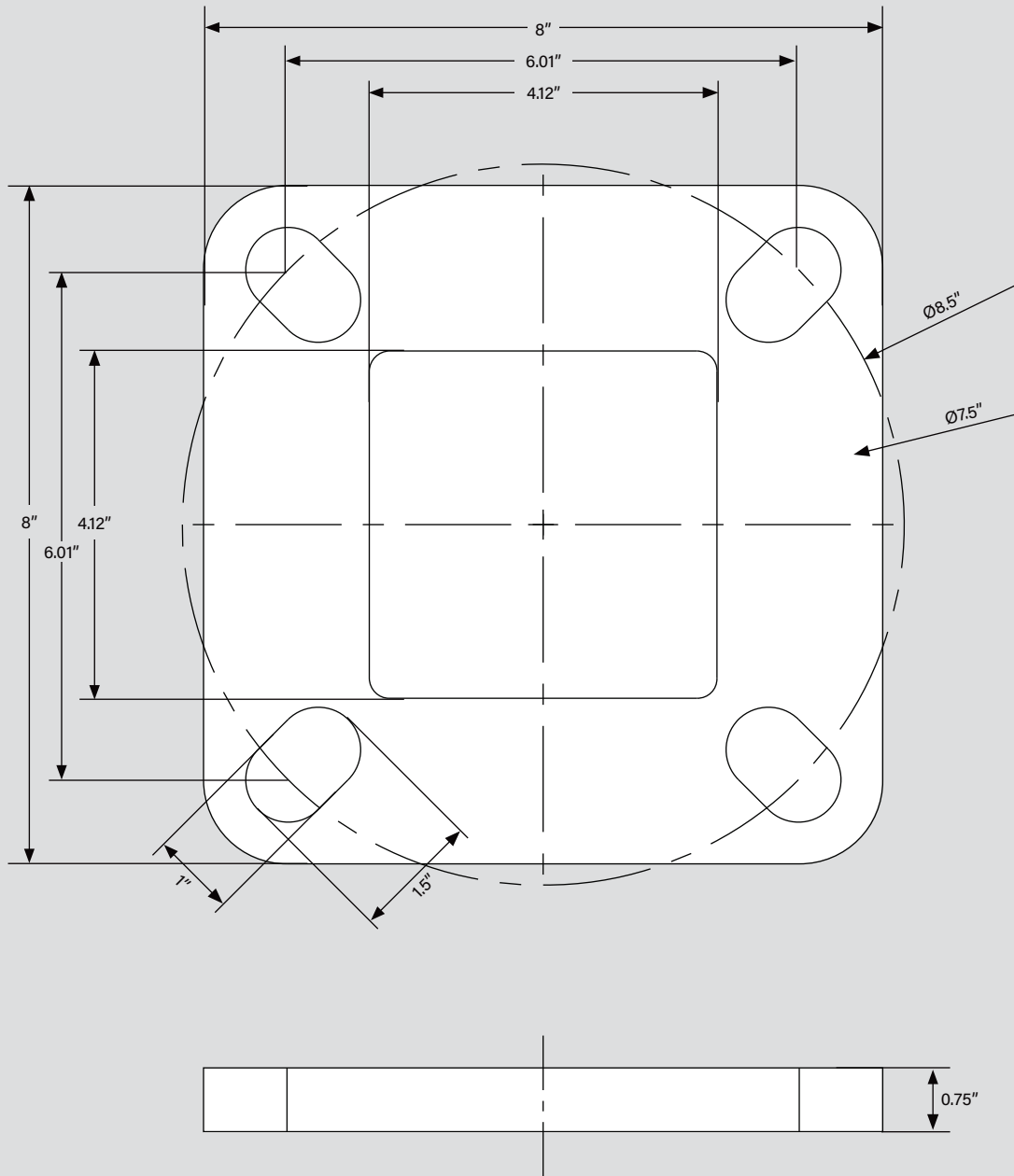


KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

DETAILED BASE PLATE DIMENSIONS

4" X 4" POLE



Approval Initials: _____

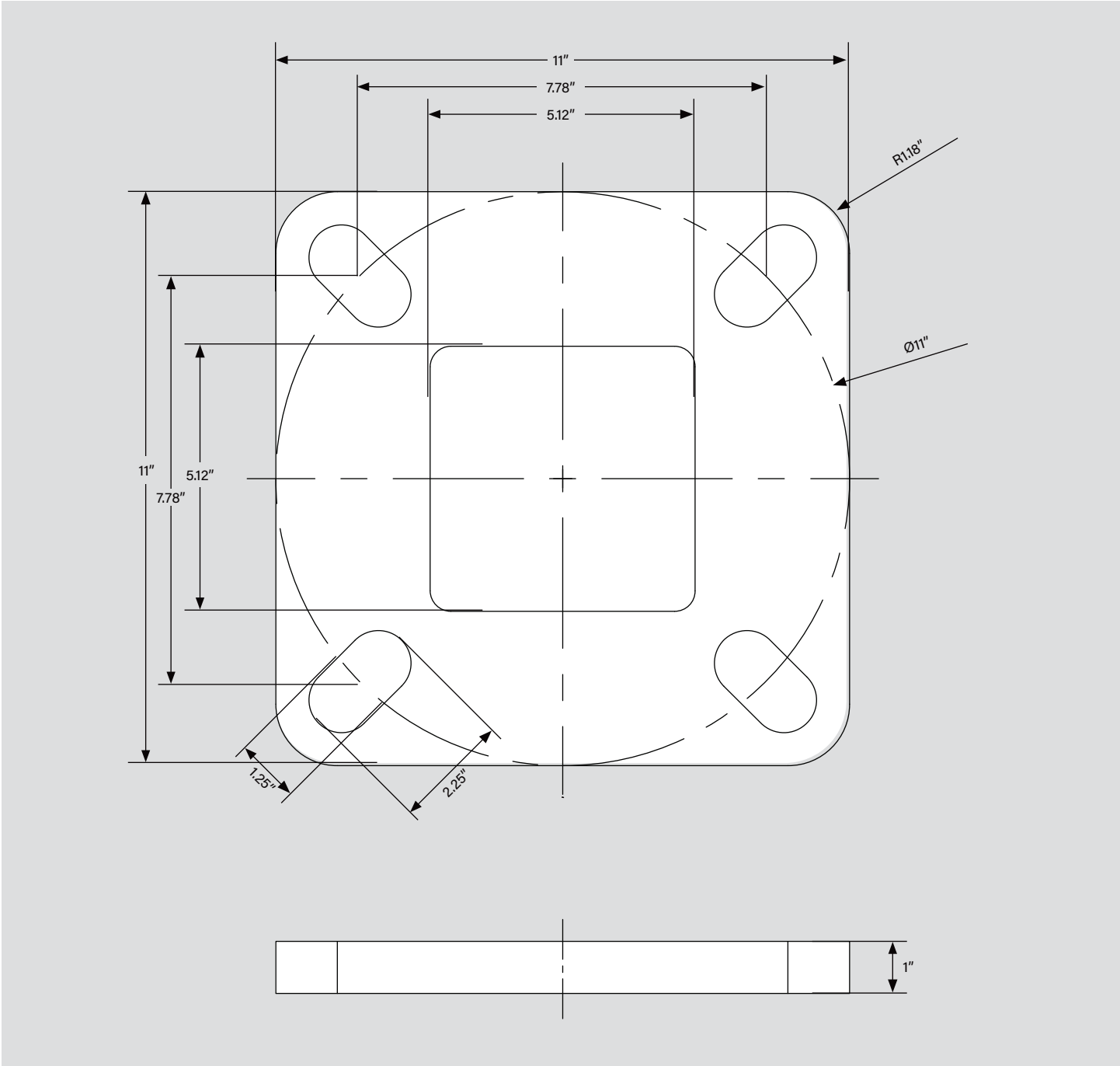


KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

DETAILED BASE PLATE DIMENSIONS

5" X 5" POLE



Approval Initials: _____

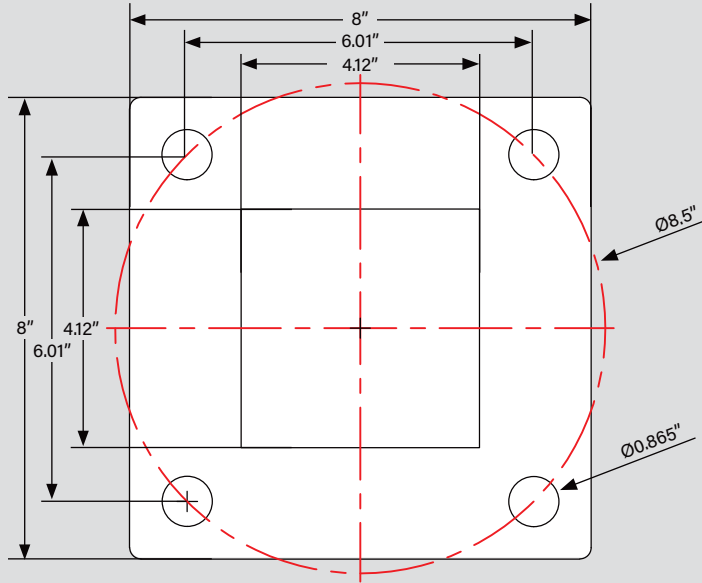


KT-SP-XSQ-XX-XXG-UNV

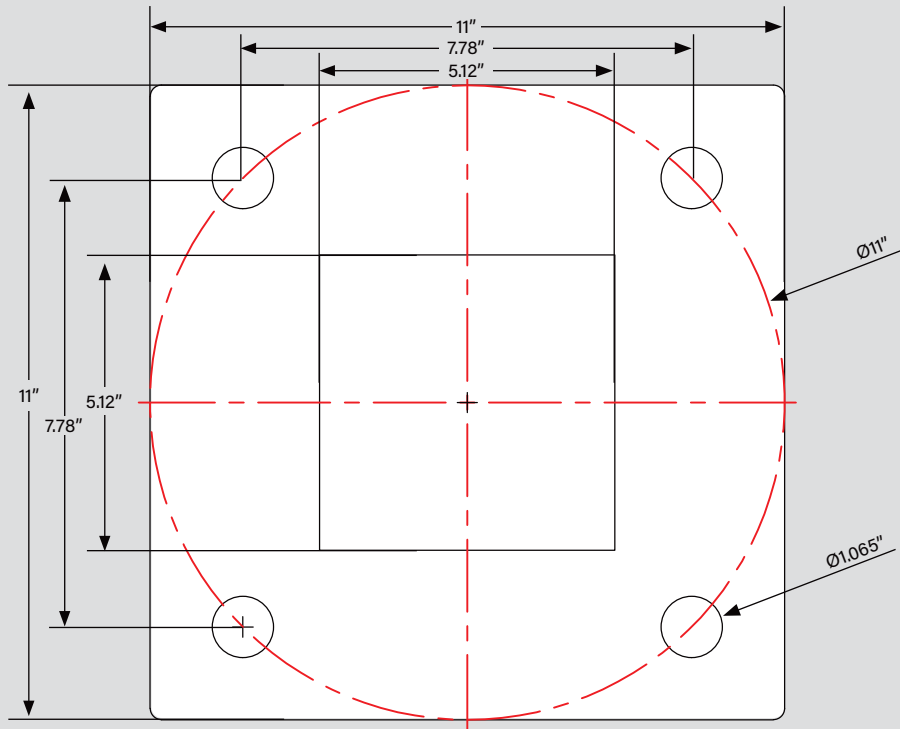
SQUARE STRAIGHT STEEL POLE

ANCHOR BOLT DRILLING TEMPLATE

4" X 4" POLE



5" X 5" POLE

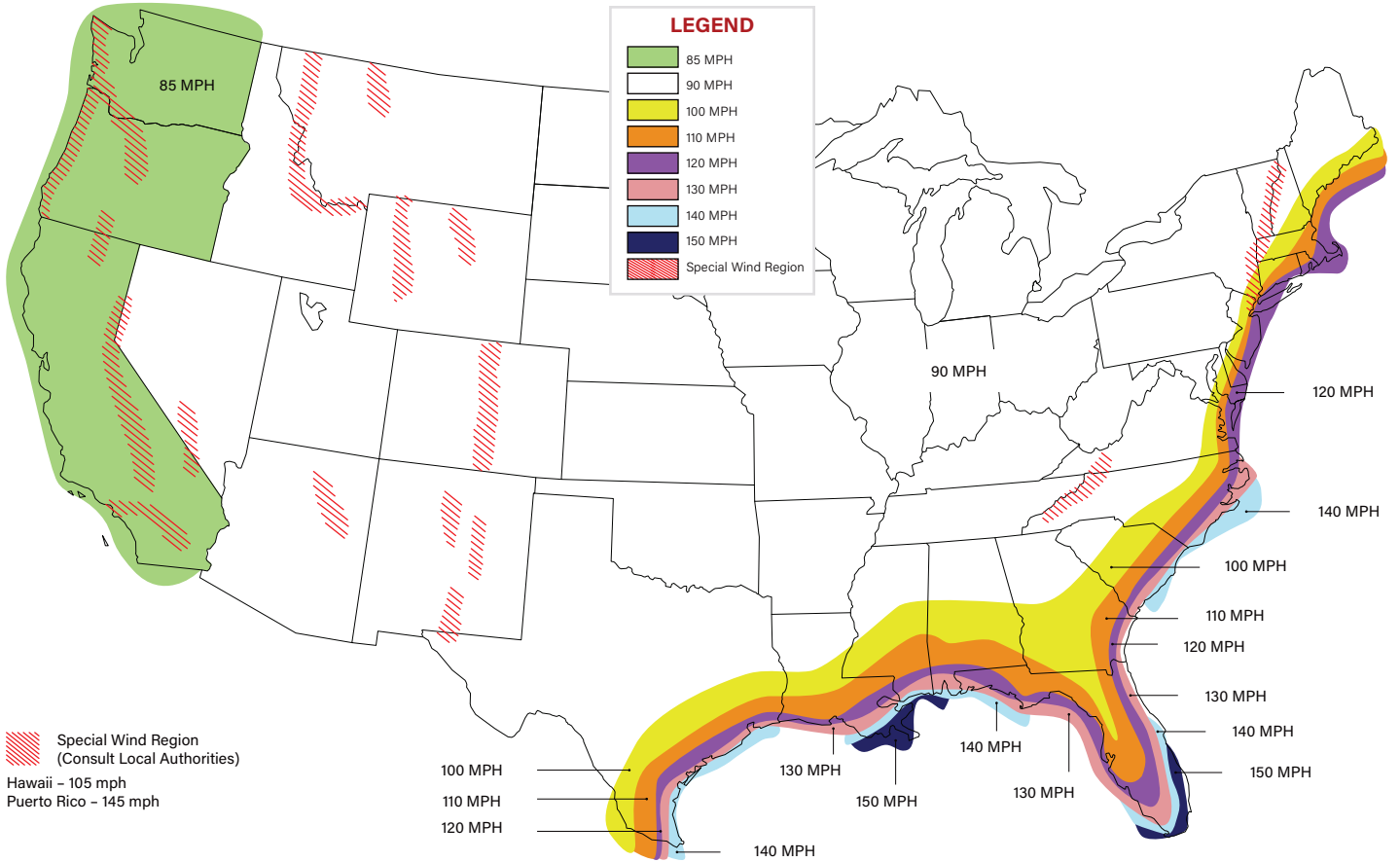


Approval Initials: _____

KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

WIND MAP



NOTES:

1. Values are 3-second gust wind speeds in miles per hour (m/s) at 33 ft. (10 m) above ground for Exposure C terrain.
2. Linear interpolation between wind contours is permitted.
3. Islands and coastal areas outside last contour must use the last wind speed contour of the coastal area.
4. Mountain terrain, gorges, ocean promontories, and special wind regions must be examined for unusual wind conditions.

Approval Initials: _____



KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

DESIGN WIND SPEED (PER AASHTO LRFD LTS-1, 2020 INTERIM REVISIONS)

ITEM CODE	80MPH				90MPH				100MPH			
	W/1.14 GUST FACTOR				W/1.14 GUST FACTOR				W/1.14 GUST FACTOR			
	50 LBS	100 LBS	150 LBS	200 LBS	50 LBS	100 LBS	150 LBS	200 LBS	50 LBS	100 LBS	150 LBS	200 LBS
KT-SP-4SQ-15-11G-UNV	25.4 ft ²	25.1 ft ²	24.8 ft ²	24.4 ft ²	19.5 ft ²	19.2 ft ²	18.9 ft ²	18.6 ft ²	14.2 ft ²	14 ft ²	13.8 ft ²	13.6 ft ²
KT-SP-4SQ-20-11G-UNV	13.9 ft ²	13.5 ft ²	13 ft ²	12.7 ft ²	9.9 ft ²	9.5 ft ²	9.1 ft ²	8.8 ft ²	6.2 ft ²	6 ft ²	5.7 ft ²	5.5 ft ²
KT-SP-4SQ-25-11G-UNV	6.5 ft ²	6 ft ²	5.5 ft ²	5.1 ft ²	3.6 ft ²	3.1 ft ²	2.8 ft ²	2.4 ft ²	0.9 ft ²	0.6 ft ²	0.3 ft ²	N/A
KT-SP-5SQ-30-7G-UNV	17.8 ft ²	17.2 ft ²	16.8 ft ²	16.4 ft ²	11.9 ft ²	11.6 ft ²	11.3 ft ²	10.9 ft ²	6.9 ft ²	6.6 ft ²	6.2 ft ²	6 ft ²

ITEM CODE	110MPH				120MPH				130MPH			
	W/1.14 GUST FACTOR				W/1.14 GUST FACTOR				W/1.14 GUST FACTOR			
	50 LBS	100 LBS	150 LBS	200 LBS	50 LBS	100 LBS	150 LBS	200 LBS	50 LBS	100 LBS	150 LBS	200 LBS
KT-SP-4SQ-15-11G-UNV	11.1 ft ²	10.9 ft ²	10.7 ft ²	10.5 ft ²	8.1 ft ²	8 ft ²	7.8 ft ²	7.6 ft ²	6.2 ft ²	6 ft ²	5.9 ft ²	5.8 ft ²
KT-SP-4SQ-20-11G-UNV	4.1 ft ²	3.9 ft ²	3.7 ft ²	3.4 ft ²	2.2 ft ²	1.9 ft ²	1.7 ft ²	1.6 ft ²	0.9 ft ²	0.7 ft ²	0.5 ft ²	0.4 ft ²
KT-SP-4SQ-25-11G-UNV	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
KT-SP-5SQ-30-7G-UNV	3.9 ft ²	3.6 ft ²	3.3 ft ²	3.1 ft ²	1 ft ²	0.8 ft ²	0.5 ft ²	0.3 ft ²	N/A	N/A	N/A	N/A

ITEM CODE	140MPH			
	W/1.14 GUST FACTOR			
	50 LBS	100 LBS	150 LBS	200 LBS
KT-SP-4SQ-15-11G-UNV	4.4 ft ²	4.3 ft ²	4.2 ft ²	4.1 ft ²
KT-SP-4SQ-20-11G-UNV	N/A	N/A	N/A	N/A
KT-SP-4SQ-25-11G-UNV	N/A	N/A	N/A	N/A
KT-SP-5SQ-30-7G-UNV	N/A	N/A	N/A	N/A

Approval Initials: _____



KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

WARNING

- Applications: Lighting installations for side and top mounting of luminaires with an effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location.
- The Wind Maps are intended only as a general guide. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application.
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. The responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty.
- Wind speeds and listed EPAs are for ground-mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards.
- Wind induced vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings.
- Extreme wind events like hurricanes, typhoons, cyclones, or tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings. Due to our continued efforts to improve our products, product specifications are subject to change without notice.
- Factory supplied template must be used when setting anchor bolts. Keystone Technologies will deny any warranty claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.
- For the diameter and depth of concrete pads for anchor bolts, please consult a qualified engineer.

ORDERING INFORMATION

ORDER CODE	UPC	EASY CODE
KT-SP-4SQ-15-11G-UNV	843654155715	NPU-20
KT-SP-4SQ-20-11G-UNV	843654155722	HAD-28
KT-SP-4SQ-25-11G-UNV	843654155739	QXW-50
KT-SP-5SQ-30-7G-UNV	843654155746	BSE-94

CATALOG NUMBER BREAKDOWN

KT-SP-XSQ-XX-XXG-UNV

1
2
3
4
5
6
7

- 1** Keystone Technologies
- 2** Steel Pole
- 3** Shaft Size
- 4** Square Shape
- 5** Height
- 6** Wall Thickness
- 7** Drill Pattern: Universal Style

Approval Initials: _____



KT-SP-XSQ-XX-XXG-UNV

SQUARE STRAIGHT STEEL POLE

PROJECT SUBMISSION AND APPROVAL SECTION

PROJECT NAME		
ESTIMATED START DATE		
KEYSTONE POLES	Quantity	Catalog Number
		KT-SP-4SQ-15-11G-UNV
		KT-SP-4SQ-20-11G-UNV
		KT-SP-4SQ-25-11G-UNV
		KT-SP-5SQ-30-7G-UNV
ADDITIONAL NOTES		

With regards to the project referenced, the below parties hereby confirm that the product as presented on this spec sheet document is suitable for use on the project listed. Please initial the first 5 pages of the spec sheet and sign all sections below (minimum of one party signature needed per project for all 4 sections below.) Please send signed copy along with PO.

APPROVALS

INITIAL PAGES (1-5)	Electrical Distributor		Project Specifier		Engineering or other AHJ	
	Name		Name		Name	
	Signature		Signature		Signature	
	Date		Date		Date	
POLE DIMENSIONS & CONSTRUCTION	Electrical Distributor		Project Specifier		Engineering or other AHJ	
	Name		Name		Name	
	Signature		Signature		Signature	
	Date		Date		Date	
BASE PLATE & ANCHOR BOLT DETAILS	Electrical Distributor		Project Specifier		Engineering or other AHJ	
	Name		Name		Name	
	Signature		Signature		Signature	
	Date		Date		Date	
EPA CALCULATIONS (POLE WITH FIXTURE LOADING)	Electrical Distributor		Project Specifier		Engineering or other AHJ	
	Name		Name		Name	
	Signature		Signature		Signature	
	Date		Date		Date	

KT-BLED24PS-XX-UNV-8CSB-VDIM-X

INTERCHANGEABLE BOLLARD HEADS

KT-BLED-6R-UNV-X

BOLLARD BASE

DESCRIPTION

LED Bollards (*heads and bases sold separately*) | Power Select | Color Select | 120-277V Input | Bronze and Black Housings

APPLICATION

For walkways, entrance ways, driveways, and other small-area lighting applications where low mounting lights are desirable



RoHS Compliant

10 YEAR LIMITED WARRANTY

Note: Louvered reflector heads are not eligible for DLC QPL listing.



PRODUCT FEATURES

- Keystone Power Select technology (24/19/14W)
- Keystone Color Select technology (3000/4000/5000K)
- Bollard base, ordered separately, comes with anchor bolts and template
- Corrosion-resistant aluminum exterior
- Integrated infrared photocell
- Optional retrofit plate sold separately. Compatible with legacy 8" and 10" bollard bases
- Available in bronze or black finishes
- UL certified for wet locations; IP65 rated
- IK10 impact rating
- 360° illumination, with optional 180° shield accessory (sold separately)
- 4kV surge protection, 10kV SPD added
- Operating temperature: -40°C/-40°F — 50°C/122°F
- L70 > 100,000 hrs @ 25°C/77°F ambient fixture temperature
- Meets FCC Part 15, Part B, Class A standards for conducted and radiated emissions



33.67" tall, 6" diameter
Bronze aluminum base



33.67" tall, 6" diameter
Black aluminum base



Cone reflector
Dome top



Cone reflector
Flat top



Louvered reflector
Dome top



Louvered reflector
Flat top



Decorative



Cone reflector
Dome top



Cone reflector
Flat top



Louvered reflector
Dome top



Louvered reflector
Flat top



Decorative



INTERCHANGEABLE BOLLARD HEADS BOLLARD BASE

PRODUCT SPECIFICATIONS

CONE REFLECTOR

Catalog Number	Top Shape	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	Dimming	CRI	DLC	Housing Color
KT-BLED24PS-1A-UNV-8CSB-VDIM KT-BLED24PS-1A-UNV-8CSB-VDIM-B	Dome	24W	3000K	3,230	135 lm/W	120-277V	0-10V	> 80	Premium	Bronze or black finishes available
			4000K	3,360	140 lm/W					
			5000K	3,360	140 lm/W					
		19W	3000K	2,600	137 lm/W					
			4000K	2,690	142 lm/W					
			5000K	2,730	144 lm/W					
		14W	3000K	1,900	136 lm/W					
			4000K	1,960	140 lm/W					
			5000K	1,960	140 lm/W					
KT-BLED24PS-1B-UNV-8CSB-VDIM KT-BLED24PS-1B-UNV-8CSB-VDIM-B	Flat	24W	3000K	3,230	135 lm/W	120-277V	0-10V	> 80	Premium	Bronze or black finishes available
			4000K	3,360	140 lm/W					
			5000K	3,360	140 lm/W					
		19W	3000K	2,600	137 lm/W					
			4000K	2,690	142 lm/W					
			5000K	2,730	144 lm/W					
		14W	3000K	1,900	136 lm/W					
			4000K	1,960	140 lm/W					
			5000K	1,960	140 lm/W					

LOUVERED REFLECTOR

Catalog Number	Top Shape	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	Dimming	CRI	DLC	Housing Color
KT-BLED24PS-2A-UNV-8CSB-VDIM KT-BLED24PS-2A-UNV-8CSB-VDIM-B	Dome	24W	3000K	1,750	73 lm/W	120-277V	0-10V	> 80	N/A	Bronze or black finishes available
			4000K	1,800	75 lm/W					
			5000K	1,800	75 lm/W					
		19W	3000K	1,410	74 lm/W					
			4000K	1,440	76 lm/W					
			5000K	1,420	75 lm/W					
		14W	3000K	1,020	73 lm/W					
			4000K	1,040	74 lm/W					
			5000K	1,030	74 lm/W					
KT-BLED24PS-2B-UNV-8CSB-VDIM KT-BLED24PS-2B-UNV-8CSB-VDIM-B	Flat	24W	3000K	1,750	73 lm/W	120-277V	0-10V	> 80	N/A	Bronze or black finishes available
			4000K	1,800	75 lm/W					
			5000K	1,800	75 lm/W					
		19W	3000K	1,410	74 lm/W					
			4000K	1,440	76 lm/W					
			5000K	1,420	75 lm/W					
		14W	3000K	1,020	73 lm/W					
			4000K	1,040	74 lm/W					
			5000K	1,030	74 lm/W					

DECORATIVE

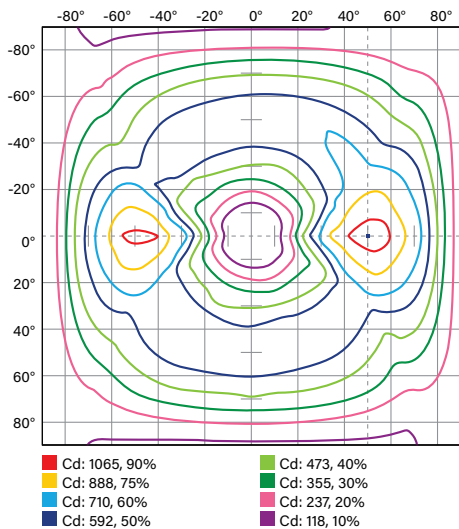
Catalog Number	Top Shape	Selectable Wattage	Selectable CCT	Lumens	Efficacy	Input Voltage	Dimming	CRI	DLC	Housing Color
KT-BLED24PS-3C-UNV-8CSB-VDIM KT-BLED24PS-3C-UNV-8CSB-VDIM-B	Decorative	24W	3000K	2,870	120 lm/W	120-277V	0-10V	> 80	Premium	Bronze or black finishes available
			4000K	2,900	121 lm/W					
			5000K	2,960	123 lm/W					
		19W	3000K	2,300	121 lm/W					
			4000K	2,250	118 lm/W					
			5000K	2,230	117 lm/W					
		14W	3000K	1,610	115 lm/W					
			4000K	1,640	117 lm/W					
			5000K	1,680	120 lm/W					



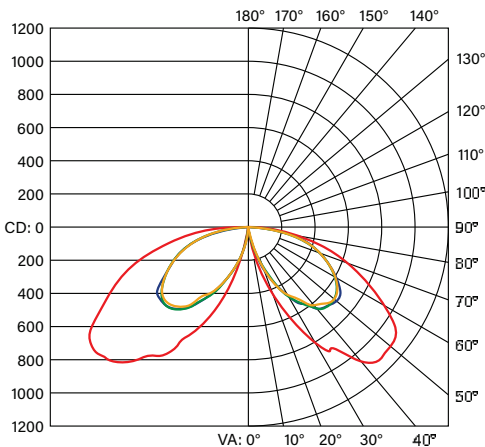
INTERCHANGEABLE BOLLARD HEADS BOLLARD BASE

PHOTOMETRIC SPECIFICATIONS (CONE REFLECTOR)

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



■ : 0° H ■ : 22.5° H
■ : 90° H ■ : 45° H

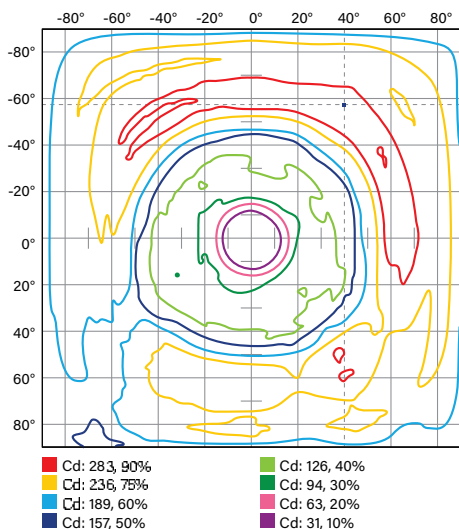
FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
0°-30°	115.5	3.6%
30°-60°	780.6	24.6%
60°-80°	494.2	15.6%
80°-90°	100.7	3.2%
0°-30°	117.2	3.7%
30°-60°	777.9	24.5%
60°-80°	482.3	15.2%
80°-90°	96.6	3.0%
90°-100°	91.2	2.9%
100°-180°	113.1	3.6%
Total	3169.3	99.9%

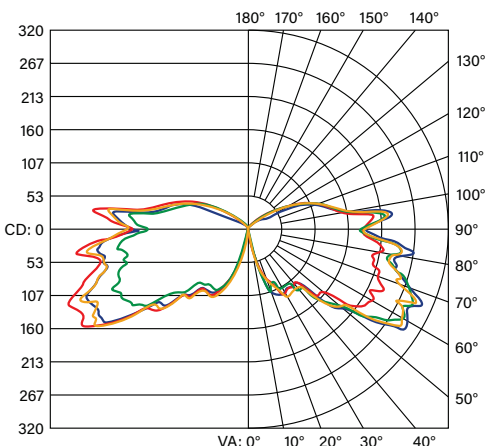
BUG Rating: B1-U3-G2

PHOTOMETRIC SPECIFICATIONS (LOUVERED REFLECTOR)

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



■ : 0° H ■ : 22.5° H
■ : 90° H ■ : 45° H

FLUX DISTRIBUTION

Zone	Lumens	% Luminaire
0°-30°	30.5	2.0%
30°-60°	215.7	12.3%
60°-80°	274.1	15.6%
80°-90°	123.4	7.0%
0°-30°	33.5	1.9%
30°-60°	193.5	11.0%
60°-80°	240.5	13.7%
80°-90°	111.9	6.4%
90°-100°	217.4	12.4%
100°-180°	310.7	17.7%
Total	1755.7	100.0%

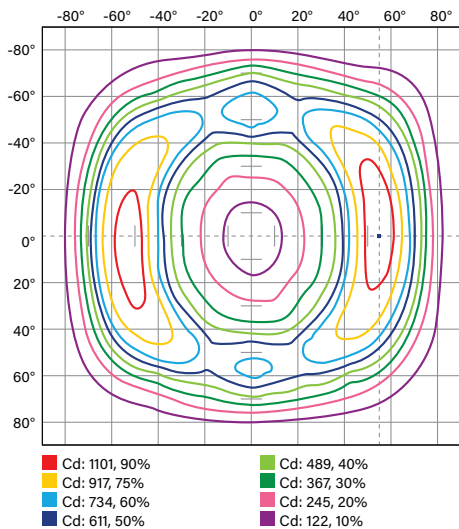
BUG Rating: B1-U3-G2

(Photometric Specifications continued on next page)

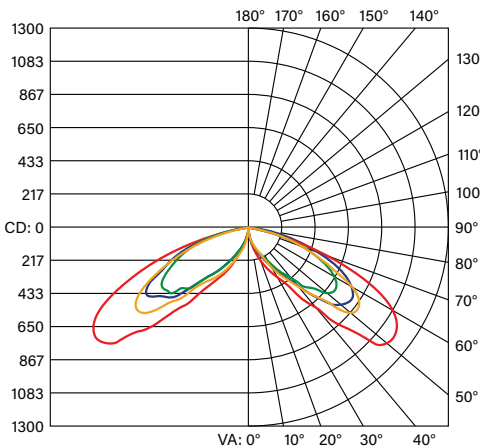
INTERCHANGEABLE BOLLARD HEADS BOLLARD BASE

PHOTOMETRIC SPECIFICATIONS (DECORATIVE HEAD)

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



FLUX DISTRIBUTION

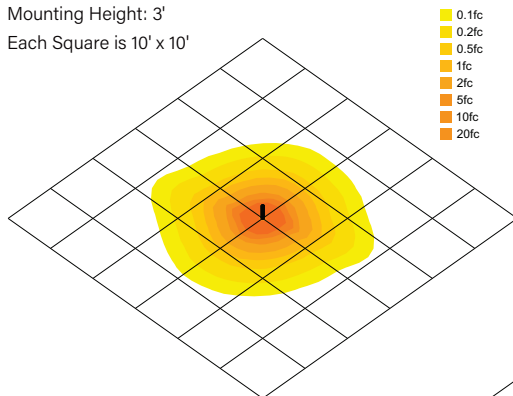
Zone	Lumens	% Luminaire
0°-30°	82.0	2.9%
30°-60°	816.2	28.9%
60°-80°	478.4	17.0%
80°-90°	28.1	1.0%
0°-30°	81.5	2.9%
30°-60°	809.1	28.7%
60°-80°	462.3	16.4%
80°-90°	27.0	1.0%
90°-100°	7.3	0.3%
100°-180°	28.6	1.0%
Total	2820.5	100.0%

BUG Rating: B1-U2-G1

PHOTOMETRIC LAYOUT

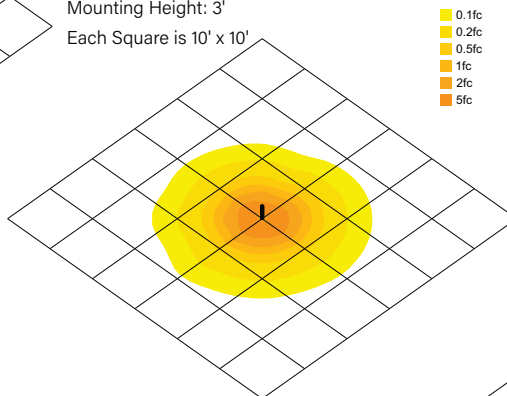
CONE REFLECTOR

Mounting Height: 3'
Each Square is 10' x 10'



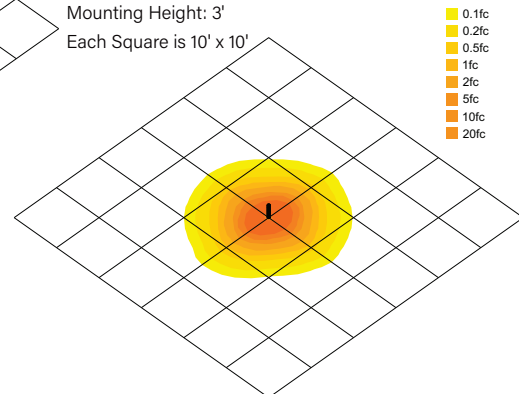
LOUVERED REFLECTOR

Mounting Height: 3'
Each Square is 10' x 10'



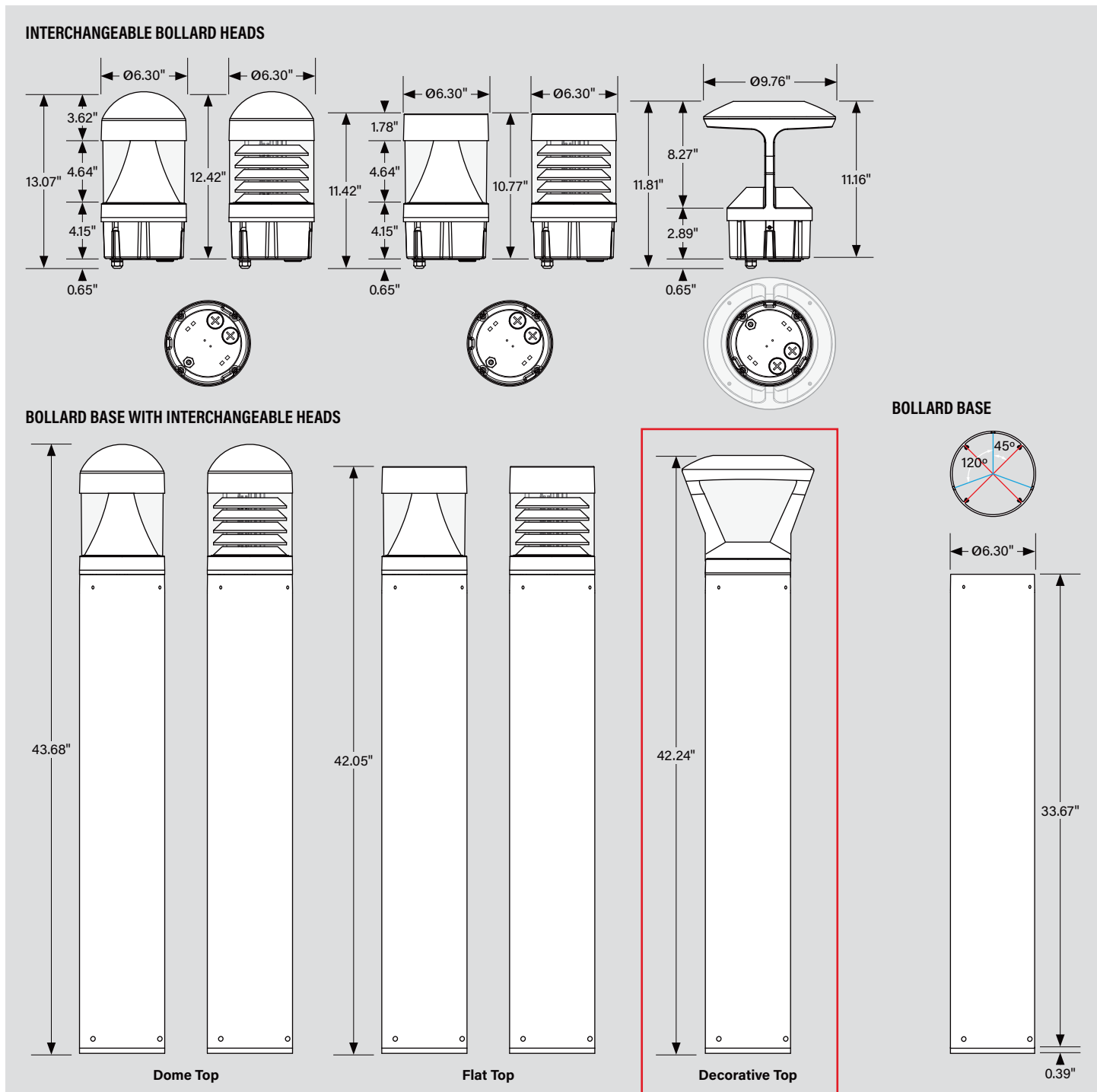
DECORATIVE HEAD

Mounting Height: 3'
Each Square is 10' x 10'



INTERCHANGEABLE BOLLARD HEADS
BOLLARD BASE

PHYSICAL SPECIFICATIONS

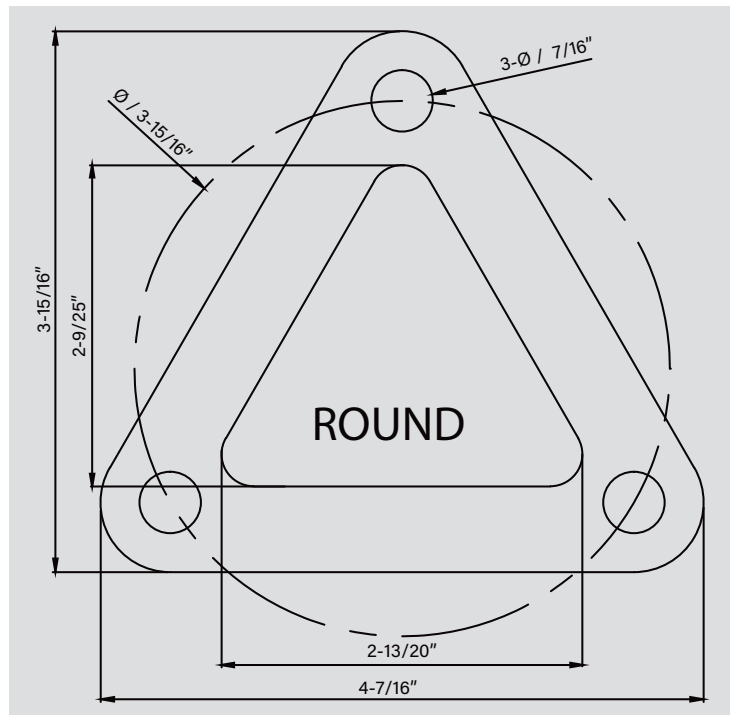


(Photometric Specifications continued on next page)

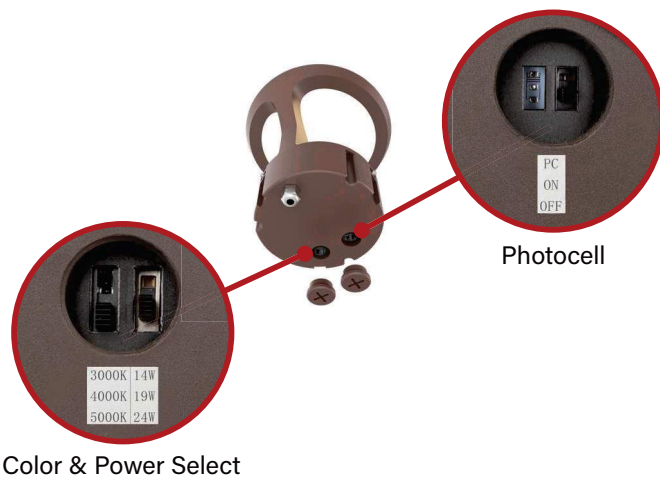
INTERCHANGEABLE BOLLARD HEADS
BOLLARD BASE

PHYSICAL SPECIFICATIONS (continued)

ANCHOR BOLT TEMPLATE

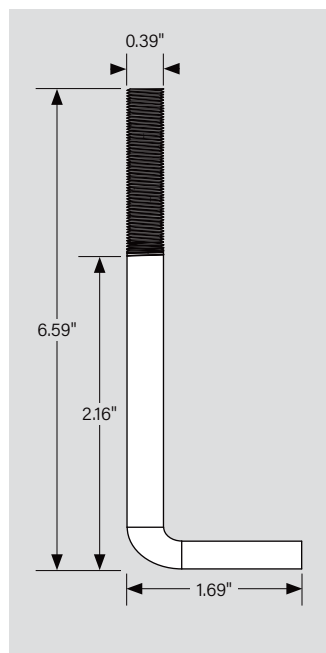


SELECTABLE DIP SWITCHES

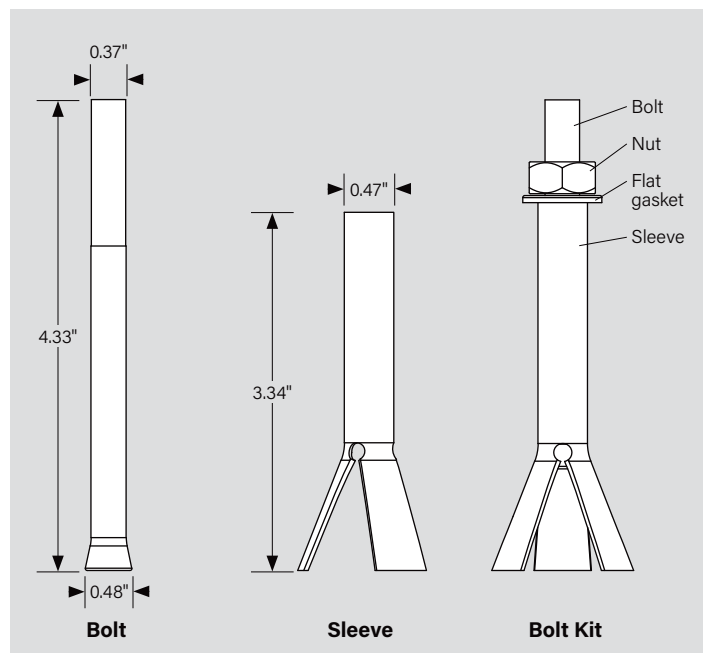


Note: Factory preset to 24W and 5000K / Photocell: ON

ANCHOR BOLT



SLEEVE BOLT



INTERCHANGEABLE BOLLARD HEADS BOLLARD BASE

ACCESSORIES




Cone reflector
Dome top
KT-BLED24PS-1A-UNV-8CSB-VDIM



Cone reflector
Flat top
KT-BLED24PS-1B-UNV-8CSB-VDIM



Louvered reflector
Dome top
KT-BLED24PS-2A-UNV-8CSB-VDIM



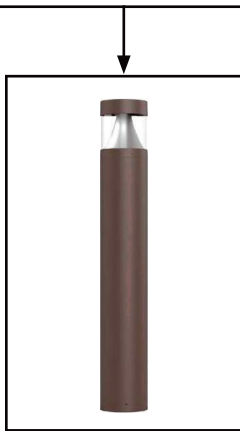
Louvered reflector
Flat top
KT-BLED24PS-2B-UNV-8CSB-VDIM



Decorative
KT-BLED24PS-3C-UNV-8CSB-VDIM



KT-BLED-6R-UNV-KIT



(Accessories continued on next page)

INTERCHANGEABLE BOLLARD HEADS BOLLARD BASE

ACCESSORIES (continued)




Cone reflector
Dome top
KT-BLED24PS-1A-UNV-
8CSB-VDIM-B



Cone reflector
Flat top
KT-BLED24PS-1B-UNV-
8CSB-VDIM-B



Louvered reflector
Dome top
KT-BLED24PS-2A-UNV-
8CSB-VDIM-B



Louvered reflector
Flat top
KT-BLED24PS-2B-UNV-
8CSB-VDIM-B



Decorative
KT-BLED24PS-3C-UNV-
8CSB-VDIM-B



KT-BLED-6R-UNV-KIT-B



(Accessories continued on next page)

INTERCHANGEABLE BOLLARD HEADS
BOLLARD BASE

ACCESSORIES (continued)

MOUNTS AND BRACKETS

Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION	UPC	EASY CODE
KT-ABOLT-6R-KIT	Anchor bolt kit Includes (3) bolts, hardware, and template Used with KT-BLED-6R-UNV-KIT(-B) bollard base For replacements and advance shipments only	843654162898	SSZ-33
KT-SBOLT-6R-KIT	Sleeve bolt kit Includes (3) bolts, hardware, and template Used with KT-BLED-6R-UNV-KIT(-B) bollard base in dry concrete	843654162904	MHQ-54
KT-BLED-PLATE-KIT	Retrofit plate Includes adaptor and cover Bronze Used with legacy 8" and 10" bollards	843654162911	DGW-15
KT-BLED-PLATE-KIT-B	Retrofit plate Includes adaptor and cover Black Used with legacy 8" and 10" bollards	843654162928	GVP-48
KT-BLED-SHIELD-180-KIT	180° shield Bronze Used on KT-BLED24PS cone and louvered reflector bollard heads	843654162935	SPE-47
KT-BLED-SHIELD-180-KIT-B	180° shield Black Used on KT-BLED24PS cone and louvered reflector bollard heads	843654162942	EHI-07



*Set of anchor bolts and template included with order of KT-BLED-6R-UNV-KIT(-B)

(Accessories continued on next page)



INTERCHANGEABLE BOLLARD HEADS BOLLARD BASE

FIXTURE ORDERING INFORMATION

BASE (BRONZE HOUSING)

CATALOG NUMBER	UPC	EASY CODE
KT-BLED-6R-UNV-KIT	843654162874	SXW-68

BASE (BLACK HOUSING)

CATALOG NUMBER	UPC	EASY CODE
KT-BLED-6R-UNV-KIT-B	843654162881	PZU-88

INTERCHANGEABLE HEADS (BRONZE HOUSING)

CATALOG NUMBER	UPC	EASY CODE
KT-BLED24PS-1A-UNV-8CSB-VDIM	843654162768	UJC-90
KT-BLED24PS-1B-UNV-8CSB-VDIM	843654162782	HPH-65
KT-BLED24PS-2A-UNV-8CSB-VDIM	843654162805	YVH-45
KT-BLED24PS-2B-UNV-8CSB-VDIM	843654162829	JXE-74
KT-BLED24PS-3C-UNV-8CSB-VDIM	843654162843	WJO-14

INTERCHANGEABLE HEADS (BLACK HOUSING)

CATALOG NUMBER	UPC	EASY CODE
KT-BLED24PS-1A-UNV-8CSB-VDIM-B	843654162775	XBH-52
KT-BLED24PS-1B-UNV-8CSB-VDIM-B	843654162799	CPD-19
KT-BLED24PS-2A-UNV-8CSB-VDIM-B	843654162812	IQY-59
KT-BLED24PS-2B-UNV-8CSB-VDIM-B	843654162836	XGI-57
KT-BLED24PS-3C-UNV-8CSB-VDIM-B	843654162867	SLP-40

Note: You must order (1) head per (1) base

CATALOG NUMBER BREAKDOWN

BASE

KT-BLED-6R-UNV-KIT-X

1 2 3 4 5 6 7

1 Keystone Technologies

2 Fixture Type

2 Fixture Type

B Bollard

7 Housing Color

B Bronze

3 LED Technology

4 Size / Shape

5 Universal Mounting

6 Retrofit Kit

7 Housing Color

4 Size / Shape

6R 6" Round

B Black

INTERCHANGEABLE HEADS

KT-BLED24PS-XX-UNV-8CSB-VDIM-X

1 2 3 4 5 6 7 8 9 10 11 12 13

1 Keystone Technologies

2 Fixture Type

3 LED Technology

4 Max Wattage

5 Power Select

6 Reflector Shape

7 Top Shape

8 Universal Mounting

9 80 CRI

10 Color Select

11 Color Select Designation

12 Dimming

13 Housing Color

2 Fixture Type

B Bollard

6 Reflector Shape

1 Cone

2 Louvered

3 Decorative

7 Top Shape

A Dome

B Flat

C Decorative

11 Color Select Designation

B 3000/4000/5000K

12 Dimming

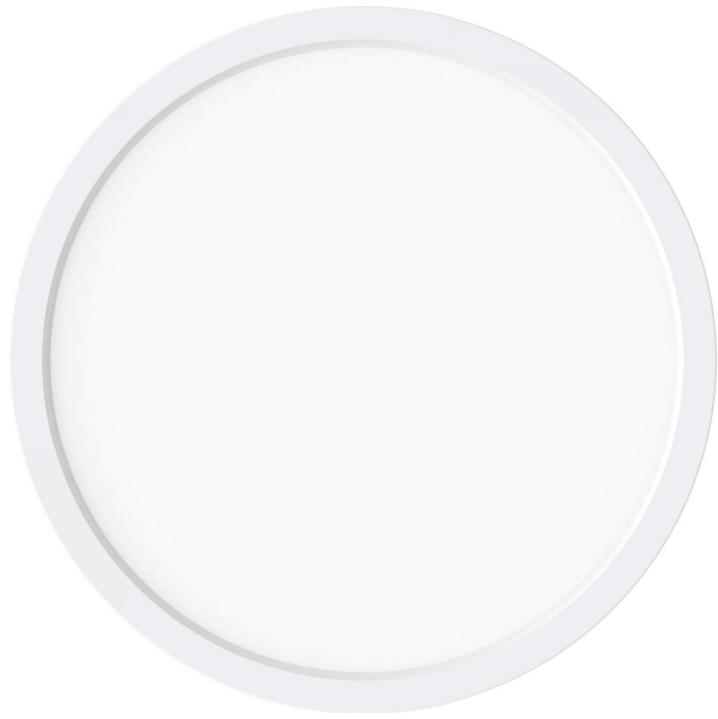
VDIM 0-10V

13 Housing Color

B Bronze

B Black

ThinTek™ Mini R3
Surface Mount Downlight



APPLICATIONS

Residential, Commercial, Multi-Family

FEATURES

Construction

- Die-cast Aluminum Housing

Finish

- White Trim [Standard]
- Brushed Nickel Trim
- Black Trim
- Bronze Trim
[Trim Options Sold Separately]

Electrical & Technical

- Input Voltage: 120V
- Input Frequency: 60Hz
- Projected L70: ≥ 50,000 hrs
- PF: >0.9
- CRI: >90
- THD: <20%
- CCT Selectable: 2700K/3000K/3500K/
4000K/5000K
- Operating Temp.: -4 °F ~ 113 °F
- Wet Location Rated

Optical

- Edge-lit
- 120° Beam Angle

Installation/Mounting

- Surface Mounted:
2.75" and 3.5" Junction Box

Controls

- Triac Dimming

Compliance

- JA8 TITLE 24 Compliant

Dimmer Compatibility List:

Leviton: 6672, 6674, DSL06, RNL06, IPL06
Lutron: TG-600PR-WH, S-600PR-WH, CTCL-153PDH-WH, TGCL-153PH-LA,
SLV-600P-AL, DV-600PR-WH, SCL-153PH-WH, GT-600P, DVCL-153P,
MSCL-OP153M, MACL-153M//MA-R, PD-6WCL

Lumen Output

- 5"/10W: 710lm
- 7"/15W: 1,241lm
- 9"/18W: 1,460lm
- 11"/21W: 2,156lm
- 13"/24W: 2,431lm

Warranty

- 5 Year Warranty
See warranty documentation
for more information.



ORDERING INFORMATION **EXAMPLE: 880510-R3-5CCT**

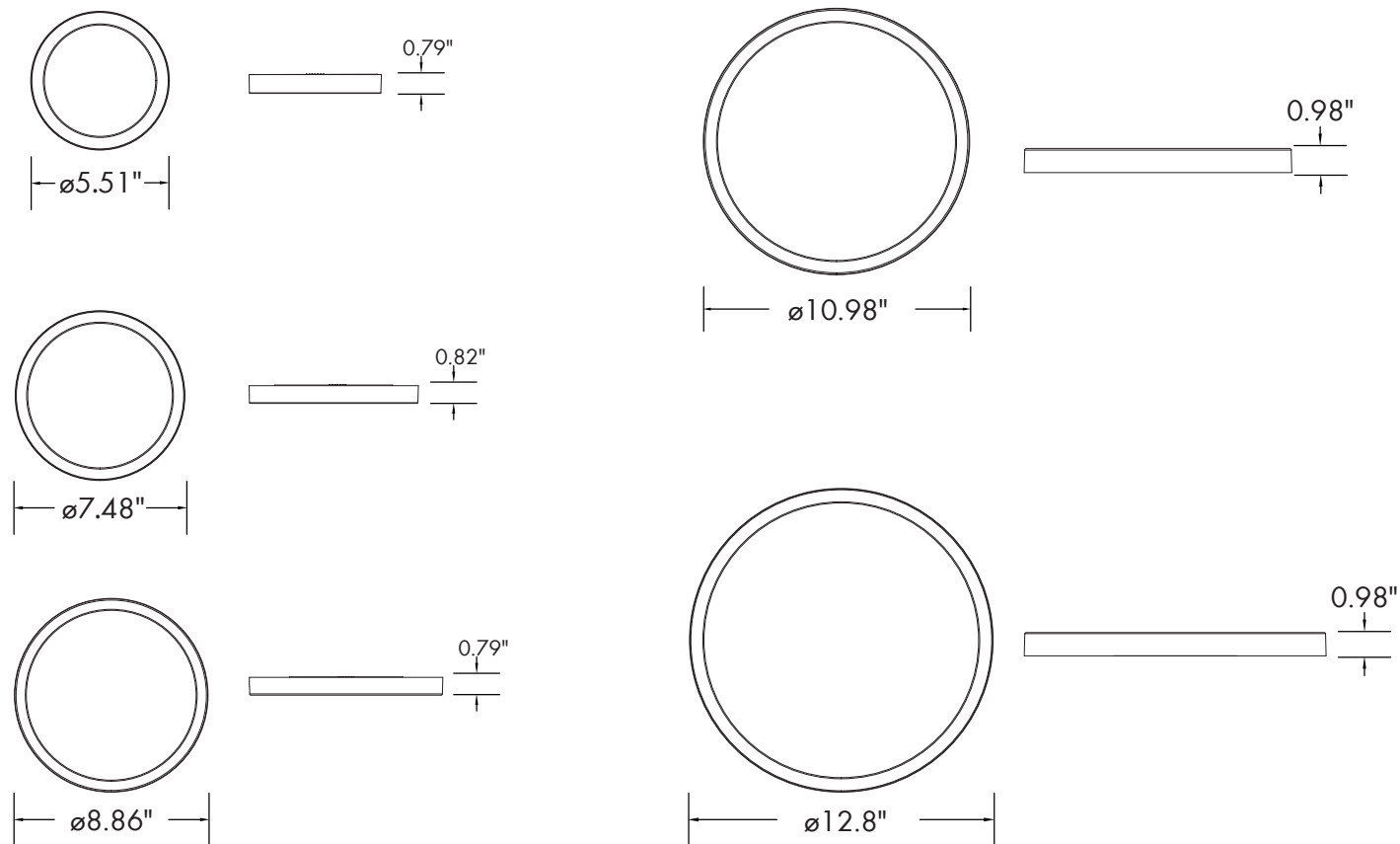
88			
Round Panel	Size/Wattage	Shape/Type	CCT
88	0510 - 5"/10W 0715 - 7"/15W 0918 - 9"/18W 1121 - 11"/21W 1324 - 13"/24W	R3 - Round	5CCT - 2700K/3000K/3500K/4000K/5000K

Trim Finish Options

8805-R3 (5" Trim)	BK (Black)
8807-R3 (7" Trim)	BN (Brushed Nickel)
8809-R3 (9" Trim)	BZ (Bronze)
8811-R3 (11" Trim)	
8813-R3 (13" Trim)	

[Choose Trim Size and Finish Example: 8805-R3-BK]

DIMENSIONS



LUMEN OUTPUT

SKU	Size (in)	Wattage (W)	(2700K)		(3000K)		(3500K)		(4000K)		(5000K)	
			Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)	Delivered Lumens (lm)	Efficacy (lm/W)
880510-R3-5CCT	5	10	668	66.8	671	67.1	693	69.3	710	71.0	688	68.8
880715-R3-5CCT	7	15	1186	79.06	1201	80.06	1223	84.53	1241	82.7	1215	81
880918-R3-5CCT	9	18	1389	77.16	1409	78.27	1437	79.83	1460	81.11	1426	65
881121R3-5CCT	11	21	2016	96	2037	97	2079	99	2156	102.66	2108	100.38
881324-R3-5CCT	13	24	2386	99.41	2405	100.20	2427	101.12	2431	101.29	2419	100.79

ACCESSORIES



Mounting Bracket
(Included)



Brushed Nickel Trim
[5", 7", 9", 11", 13"]
(Option)
[BN]



Black Trim
[5", 7", 9", 11", 13"]
(Option)
[BK]



Bronze Trim
[5", 7", 9", 11", 13"]
(Option)
[BZ]



MERU Series

LED GENERAL & EMERGENCY LIGHTING



MIDTOWN COMMONS
TYPE OW1
MERU-LED-ACEM-BK-IH

PRODUCT DESCRIPTION

The MERU Series is an architectural, low-profile outdoor light, offering “normally On” AC and emergency lighting with powerful LED illumination. The housing is fully sealed and gasketed, and has an IP65 rating. Designed for wall mounting with universal K/O pattern in back-plate for easy installation to most standard size junction boxes. Includes a single 1/2” NPT conduit entry in the top, center of the housing. Illumination provided by 8 high power LEDs which achieve 1,800 lumens in AC and 600 lumens in emergency. LED color at 4000K.

PRODUCT SPECIFICATIONS

CONSTRUCTION

Die cast aluminum housing with superior heat sink • Scratch resistant Polyester powder coat finish • UV resistant polycarbonate lens • Snap-fit housing and mounting plate are held together by four stainless steel clips • Universal mounting pattern molded into the back plate • 1/2" threaded top access for surface conduit installation • Silicone rubber seal with hollow center, shape adaptive design protects the electrical components • Junction box neoprene seal is attached to the back plate for a weather proof installation • Dark Bronze or White textured finish.

ELECTRICAL

Dual Voltage 120-277V 60Hz input • Solid state charging and switching • Battery low voltage disconnect • AC power indicator and test switch at the bottom of the unit • Standard with Self Diagnostics to monitor proper operation.

LAMPS

Supplied with eight (8) LG SMD 4000K LED'S • L70 > 72,000hours • 17 Watts total (32 Watts with IH option) • 1800 Lumens in AC mode, 600 Lumens in Emergency mode • Full cut-off optics for Dark Sky compliance

BATTERY

Maintenance-free, long-life rechargeable NiCad battery will operate fixture for a minimum of 90 minutes in the event of a power outage • 24 hour recharge after 90 minute discharge.

CODE COMPLIANCE

UL924 • Listed for wet location applications (0°C-50°C) • Optional "IH" cold weather package for (-40°C-50°C) • IP65 Rated • NFPA 101 Life Safety Code compliant • NFPA 70 • NEC and OSHA compliant • DLC Listed • RoHS Compliant

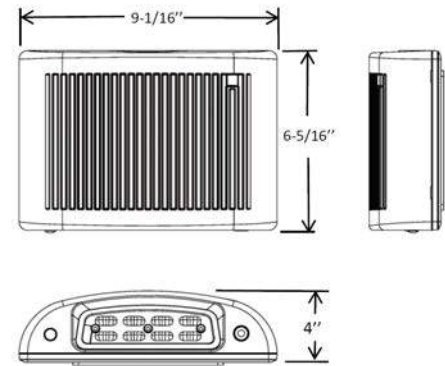
WARRANTY

5-year warranty. Product specifications subject to change without notice.

INSTALLATION

MOUNTING

Suitable for indoor or outdoor wall mounting on junction box, or with surface conduit using the supplied 1/2" threaded top access • Mounting plate has molded universal mounting pattern for simple mounting over junction box.



ACEM Model (NiCad Battery Backup)

Integral photocell: Unit operates as a dusk to dawn luminaire and in the event of a power failure as an emergency light.

Remote Switched: The integral photocell can be defeated to allow remote switching for normal operation. In the event of a power failure unit operates as an emergency light.

BUG Rating: B1-U1-G0

ORDERING INFORMATION

model	operation mode	housing color	options
MERU-LED	ACEM = General & Emergency Lighting AC = General Lighting	DB = Dark Bronze WH = White BK = Black NK = Nickel	Self-Diagnostics & Photocell (Included Standard) IH = Internal Heater

Ordering Example: MERU-ACEM-DB





MERU Series

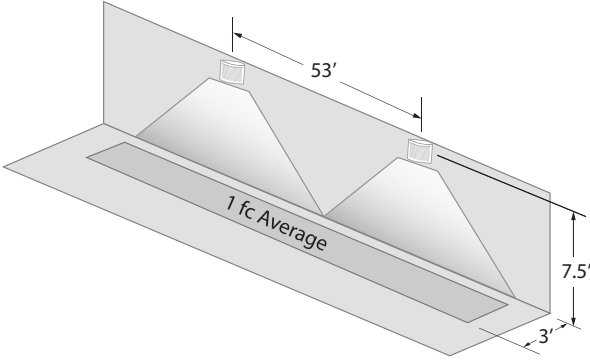
LED GENERAL & EMERGENCY LIGHTING



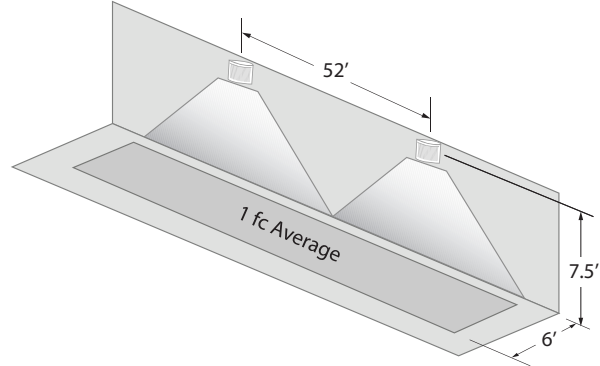
PROJECT: _____
 FIXTURE TYPE: _____
 LOCATION: _____
 CONTACT/PHONE: _____

PHOTOMETRICS

3ft Path Spacing



6ft Path Spacing



SELF DIAGNOSTICS

Included Self Diagnostic

Diagnostic Indicator / Test Switch	● Ready	Manual Testing Press button once - 1 minute test Press button twice - 5 minute test Press button 3 times - 30 minute test Press button 4 times - 90 minute test
	● In Test	
	● Battery Circuit Fault	
	● Battery Capacity Failure	
	● Charger Failure	
	● Transformer Fault	
● Lamp Failure		

Full self-test, self-diagnostic system is standard in every unit, performs a monthly, test as well as continuously monitoring all functions to ensure reliability, a manual test may be initiated at any time





MIDTOWN COMMONS
 TYPE OW2
 POLW0708LAJD2BK

Poly LED Outdoor Sconce POLW Series

Features

Ideal use for general lighting in indoor or outdoor residential, commercial, and hospitality applications. 90° pivoting head, multiple knockouts for direct wire, integrated dusk-to-dawn photocell and adjustable wattage. Fixture can be mounted to a standard junction box (not included).

Construction

Die cast construction with weather resistant powder coating. Power supply connections must be made inside a junction box (not included).

Finish

Black, Bronze or White finish.

Diffuser

Clear glass diffuser.

Electrical

Input 120-277VAC / 60Hz.
 Compatible with 0-10V dimmers.
 Minimum starting temp -4° F/-20° C

LED (Adjustable Wattage)

Integrated LED modules capable of producing:
 8" Model - 15W/20W/25W = 1950/2600/3250 delivered lumens
 11" Model - 45W/60W/75W = 5850/7800/9750 delivered lumens
 Adjustable Choice 3000K, 4000K, 5000K (CCT).
 Rated for 50,000 Hrs. 90 CRI.

Certification

All fixtures are cETLus listed for outdoor wet locations.
 Title 24/J8A Compliant
 ADA

Warranty

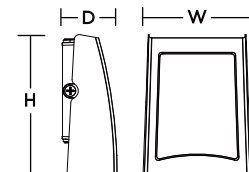
5 Year Limited Warranty:

Restrictions apply based on location.

**Specifications and dimensions
 subject to change without notice.**



Adjustable from 0° to 90°



Ordering Information:

Black	Bronze	White	Adjustable LED	Delivered Adjustable Lumens	Adjustable CCT	H	W	D
POLW0708LAJD2BK	POLW0708LAJD2BZ	POLW0708LAJD2WH	15W/20W/25W	1950/2600/3250	3000K/4000K/5000K	8"	6-1/2"	4"
POLW0911LAJD2BK	POLW0911LAJD2BZ	POLW0911LAJD2WH	45W/60W/75W	5850/7800/9750	3000K/4000K/5000K	11"	8-1/2"	4-1/2"



MIDTOWN COMMONS
 TYPE OW3
 KNTW0816LAJUDBK

Kent LED Outdoor Sconce KNTW Series



Features

Modern design. Durable powder coat finish for outdoor applications.
 Provides lighting in residential, commercial, and hospitality applications.
 Fixture mounts to standard junction box (not included).

Construction

Die-cast aluminum construction. Standard mounting holes and hardware are included. Power supply connections must be made inside a junction box (not included).

Finish

Black powder coated finish.

Diffuser

White acrylic diffuser.

Electrical

Input 120-277 VAC 60 HZ.
 0-10V dimming (120-277V), TRIAC (120V).
 Minimum starting temp -4° F / -20°C

Lamping

Fixture includes a LED modules capable of producing:
 15W = 1100 delivered lumens
 20W = 1550 delivered lumens
 Adjustable Color Temp: 2700K, 3000K, 3500K, 4000K or 5000K (CCT).
 Rated for 50,000 Hrs., 90 CRI.

Certification

All fixtures are cETLus listed for wet locations.
 ADA compliant
 Title 24/JA8 Compliant

Warranty

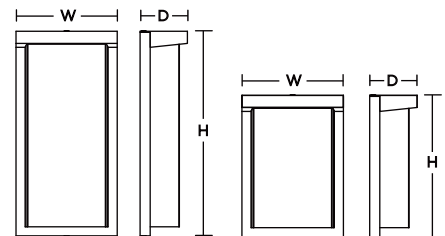
5 Year Limited Warranty:
Restrictions apply based on location.

**Specifications and dimensions
 subject to change without notice.**



Ordering Information:

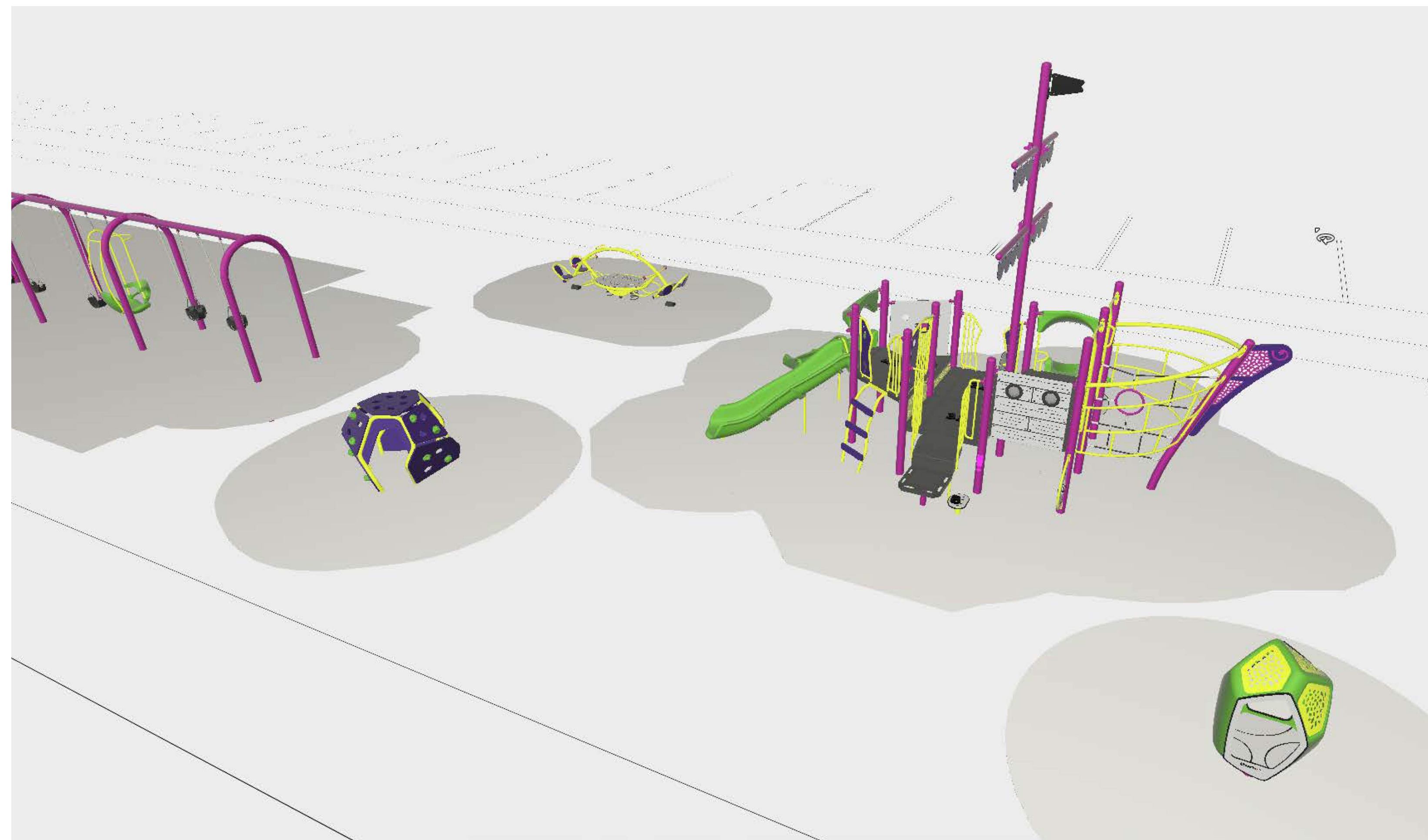
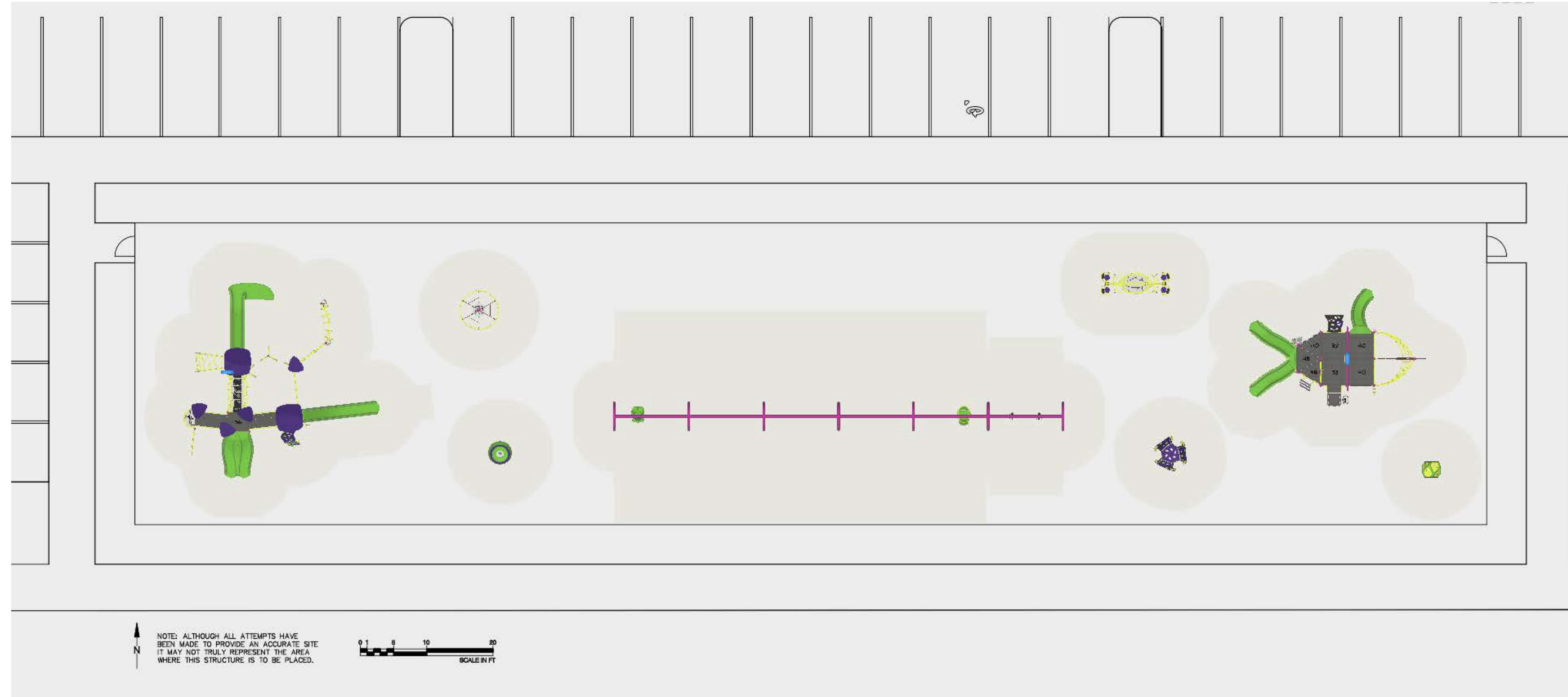
Black	LED	Delivered Lumens	Adjustable CCT	H	W	D
KNTW0811LAJUDBK	15W	1100	2700K/3000K/3500K/4000K/5000K	11"	8"	3-1/2"
KNTW0816LAJUDBK	20W	1550	2700K/3000K/3500K/4000K/5000K	16"	8"	3-1/2"



**5825 W HOPE AVENUE - MULTI-FAMILY DEVELOPMENT PHASE 1 & 2
N 60TH STREET & W HOPE AVE**

ADDITIONAL SUPPORTING INFORMATION & DOCUMENTS

12: PLAY AREA DRAFT CONCEPT PLAN



NOTE:
DRAWINGS & RENDERINGS REPRESENT CONCEPT DESIGN. FINAL SPECIFICATIONS AND DESIGN TO BE DETERMINED.