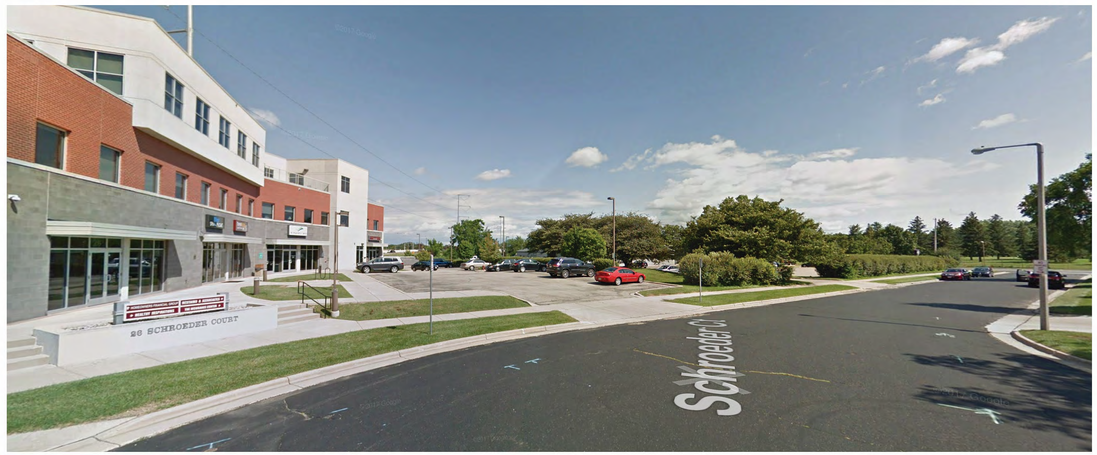
Corner of Schroeder Court & Schroeder Rd



Schroeder Court

Context Photos
5614 Schroeder Rd.,
Madison, WI

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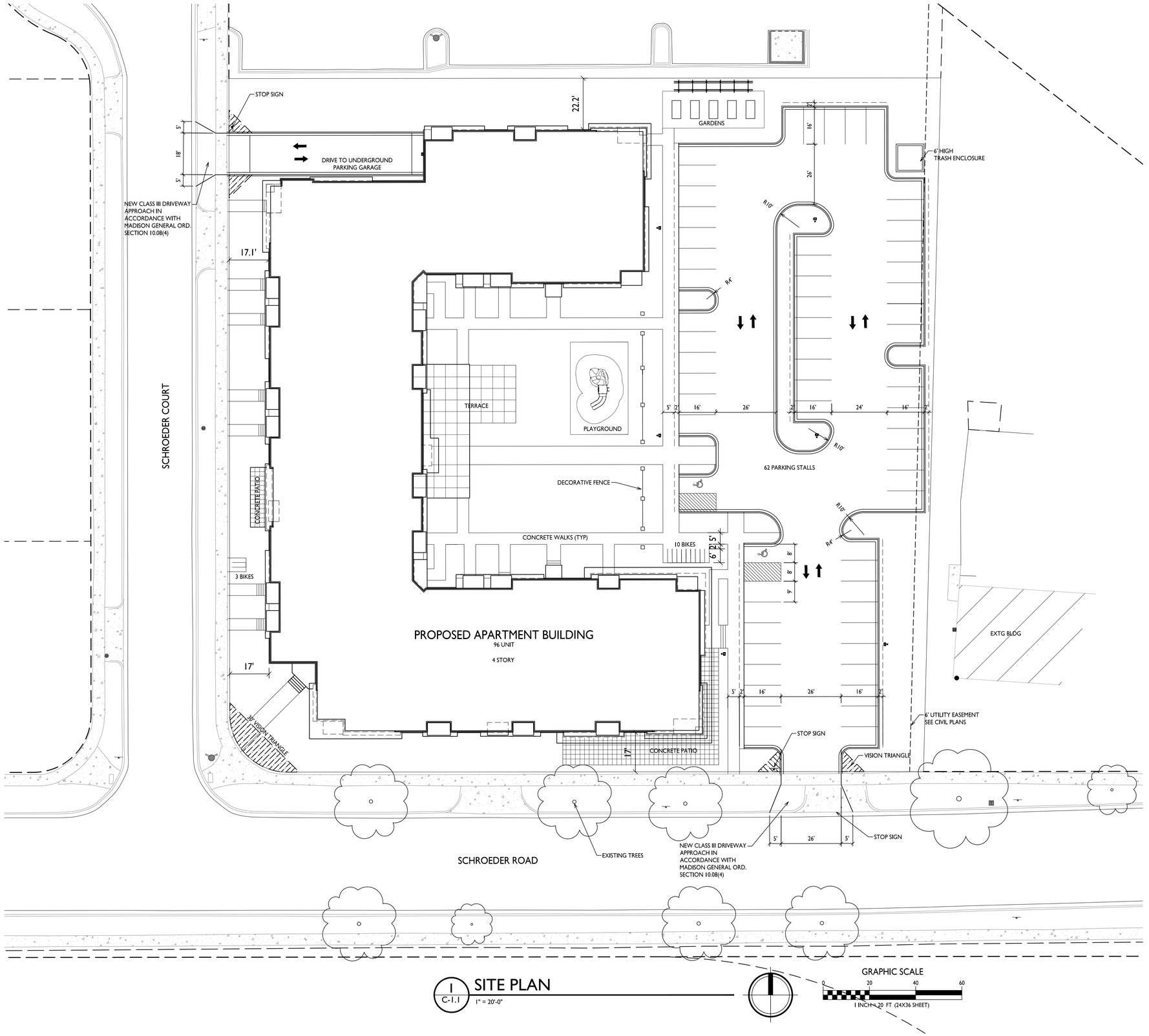
ARCHITECTS

Existing building to be demolished

Building to east of site along Schroeder Rd.

Context Photos
5614 Schroeder Rd.,
Madison, WI

knothe bruce ARCHITECTS



1 / C-1.1 SITE PLAN
1" = 20'-0"

GRAPHIC SCALE
0 20 40 60
1 INCH = 20 FT (24X36 SHEET)

SHEET INDEX

SITE

ARCHITECTURAL

SITE DEVELOPMENT DATA:

DENSITIES:	
LOT AREA	91,053 SF / 2.09 ACRES
DWELLING UNITS	96 DU
LOT AREA / D.U.	948 SF / UNIT
DENSITY	45.9 UNITS/ACRE
USABLE OPEN SPACE	36,003 S.F.
LOT COVERAGE	59,592 S.F. = 65%
COMMERCIAL AREA	
BUILDING	~ 4,032 SF
PATIO	~ 1,117 SF
TOTAL	~ 5,149 SF
RESIDENTIAL AREA	109,425 SF
BUILDING HEIGHT	4 STORIES
DWELLING UNIT MIX:	
ONE BEDROOM	44
ONE BEDROOM + DEN	1
TWO BEDROOM	36
THREE BEDROOM	1
THREE BEDROOM T.H.	14
TOTAL DWELLING UNITS	96
VEHICLE PARKING:	
UNDERGROUND/ COVERED	82 STALLS
SURFACE	62 STALLS
TOTAL	144 STALLS
BICYCLE PARKING:	
UNDERGROUND GARAGE - WALL	24 STALLS (COVERED)
UNDERGROUND/STD. 2'X6'	75 STALLS (COVERED)SURFACE
SURFACE RESIDENTIAL	5 STALLS
SURFACE GUEST	10 STALLS (10% OF UNITS)
SURFACE COMMERCIAL	2 STALLS
TOTAL	116 STALLS

GENERAL NOTES:

1. THE APPLICANT SHALL REPLACE ALL SIDEWALK AND CURB AND GUTTER WHICH ABUTS THE PROPERTY WHICH IS DAMAGED BY THE CONSTRUCTION OR ANY SIDEWALK AND CURB AND GUTTER WHICH THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
2. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR.
3. ALL DAMAGE TO THE PAVEMENT , ADJACENT TO THIS DEVELOPMENT SHALL BE RESTORED IN ACCORDANCE WITH THE CITY OF MADISON'S PAVEMENT PATCHING CRITERIA.
4. APPROVAL OF PLANS FOR THIS PROJECT DOES NOT INCLUDE ANY APPROVAL TO PRUNE, REMOVE, OR PLANT TREES IN THE PUBLIC RIGHT-OF-WAY. PERMISSION FOR SUCH ACTIVITIES MUST BE OBTAINED FROM THE CITY FORESTER, 266-4816.
5. EASEMENT LINES SHOWN ON THIS SHEET ARE FOR GENERAL REFERENCE ONLY - SEE CSM AND CIVIL SHEETS FOR ADDITIONAL AND MORE COMPLETE EASEMENT INFORMATION
6. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF THE TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4816) PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION AFTER THE DEVELOPMENT PLAN IS APPROVED WILL REQUIRE AT LEAST A 72-HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY, TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.
7. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.

kba
knothe • bruce
ARCHITECTS
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7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED
Issued for Land Use & UDC - October 12, 2018
Issued for UDC Supplement - Nov. 29, 2018

PROJECT TITLE
Mixed-Use Development

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Site Plan

SHEET NUMBER
C-1.1

PROJECT NO. 1851

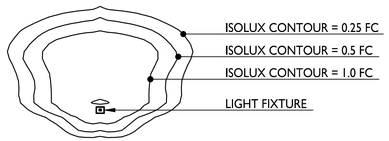
STATISTICS

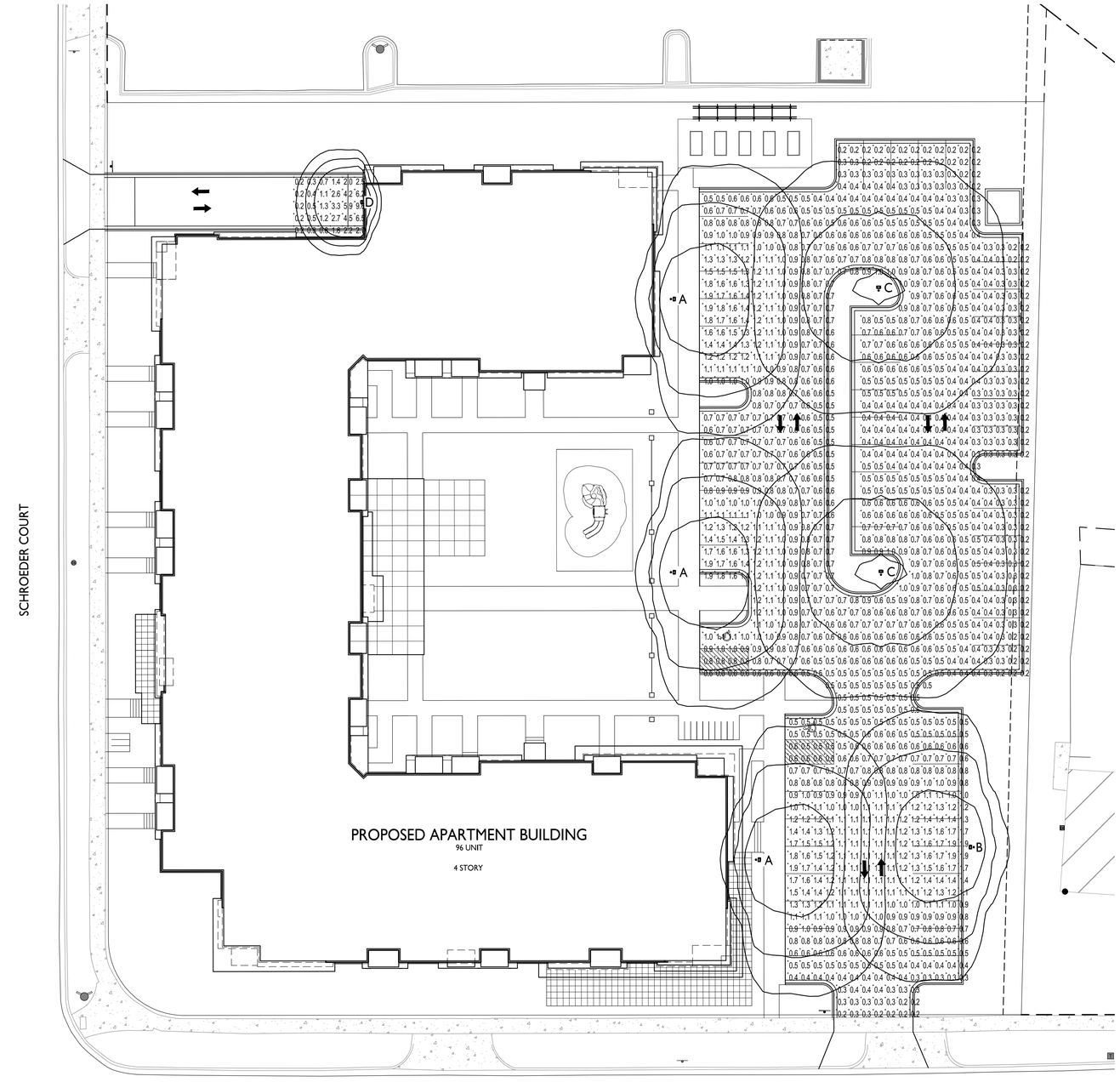
DESCRIPTION	SYMBOL	AVG.	MAX.	MIN.	MAX. / MIN.	AVG. / MIN.
Parking Area Lighting	+	0.7 fc	1.9 fc	0.2 fc	9.5:1	3.5:1
Parking Garage Entry Lighting	+	2.2 fc	9.6 fc	0.2 fc	48.0:1	11.0:1

LUMINAIRE SCHEDULE

SYMBOL	LABEL	QTY.	MANUF.	CATALOG	DESCRIPTION	FILE	MOUNTING
▭ □	A	3	LITHONIA LIGHTING	DSX0 LED P1 40K T4M MVOLT HS	DSX0 LED P1 40K T4M MVOLT WITH HOUSE SIDE SHIELD	DSX0_LED_P1_40K_T4M _MVOLT_HS.ies	18'-0" POLE ON FLUSH CONC. BASE
▭ □	B	1	LITHONIA LIGHTING	DSX0 LED P1 40K T4M MVOLT HS	DSX0 LED P1 40K T4M MVOLT WITH HOUSE SIDE SHIELD	DSX0_LED_P1_40K_T4M _MVOLT_HS.ies	16'-0" POLE ON 2'-0" TALL CONC. BASE
▭ □	C	2	LITHONIA LIGHTING	DSX0 LED P1 40K T5W MVOLT	DSX0 LED P1 40K T5W MVOLT	DSX0_LED_P1_40K_T5W _MVOLT.ies	16'-0" POLE ON 2'-0" TALL CONC. BASE
▭	D	1	LITHONIA LIGHTING	WST LED P1 27K VF MVOLT	WST LED, PERFORMANCE PACKAGE 1, 2700K, VISUAL COMFORT FORWARD THROW, MVOLT	WST_LED_P1_27K_VF _MVOLT_HS.ies	MOUNTED ON BUILDING 8'-0" ABOVE GRADE

EXAMPLE LIGHT FIXTURE DISTRIBUTION





1 / C-1.2 SITE LIGHTING PLAN
1" = 20'-0"

GRAPHIC SCALE
0 20 40 60
1 INCH = 20 FT (24X36 SHEET)

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Middleton, WI 53562

ISSUED
Issued for Land Use & UDC - October 12, 2018

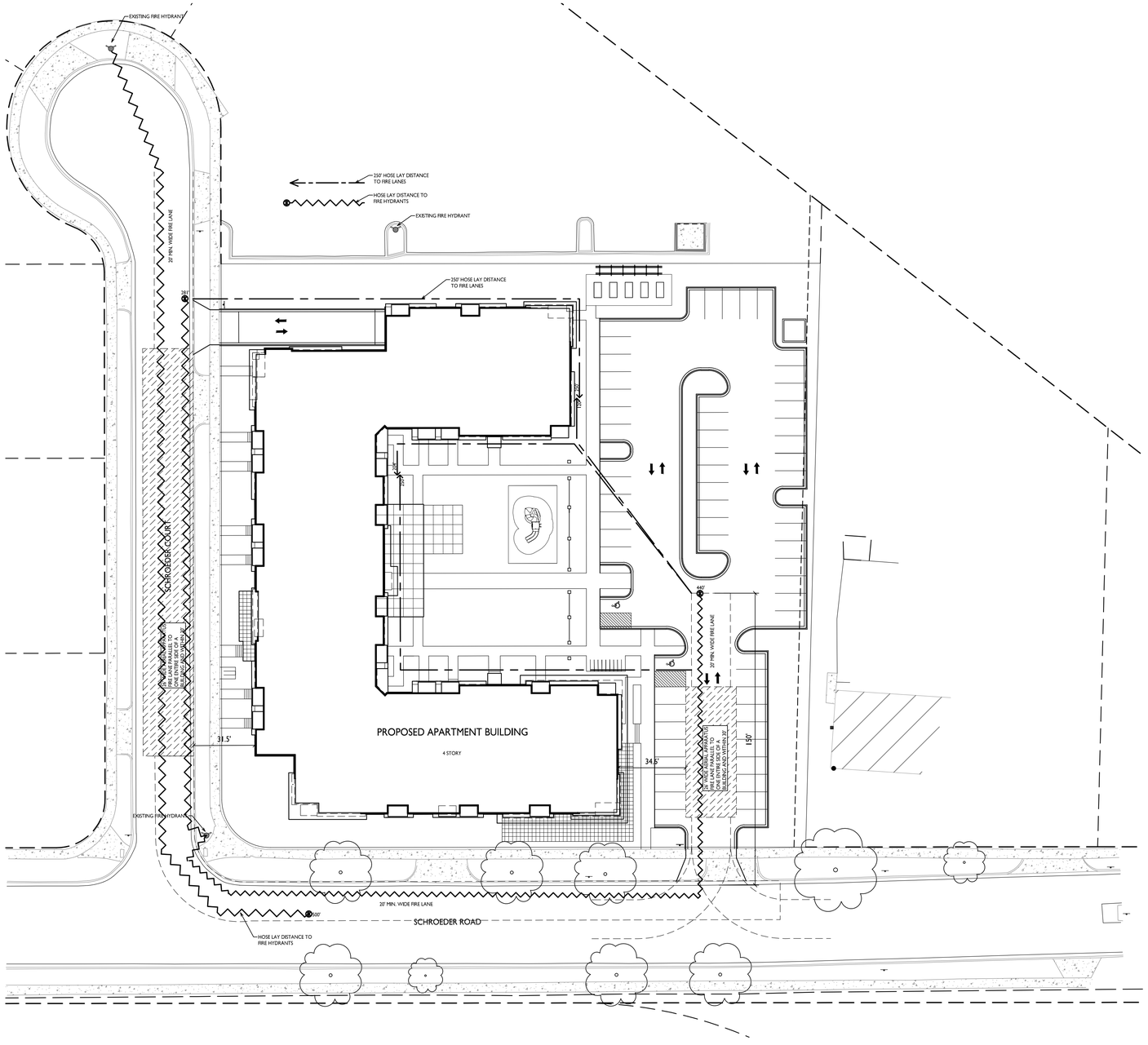
PROJECT TITLE
Mixed-Use Development

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Site Lighting Plan

SHEET NUMBER
C-1.2

PROJECT NO. 1851



1 C-1.3 FIRE DEPARTMENT ACCESS PLAN

1" = 30'-0"

GRAPHIC SCALE

0 30 60 90

1 INCH = 30 FT (24X36 SHEET)

FIRE DEPARTMENT ACCESS PLAN

AERIAL APPARATUS FIRE LANE MINIMUM 26' WIDE

MINIMUM 20' WIDE ACCESS LANE W/ 28' INSIDE RADIUS

MAXIMUM 250' HOSE LAY TO EXTERIOR WALL FROM FIRE LANE

MAXIMUM 500' HOSE LAY TO FIRE LANE FROM TWO FIRE HYDRANTS

knothe bruce ARCHITECTS
Phone: 608.836.3690
7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED
Issued for Land Use & UDC - October 12, 2018

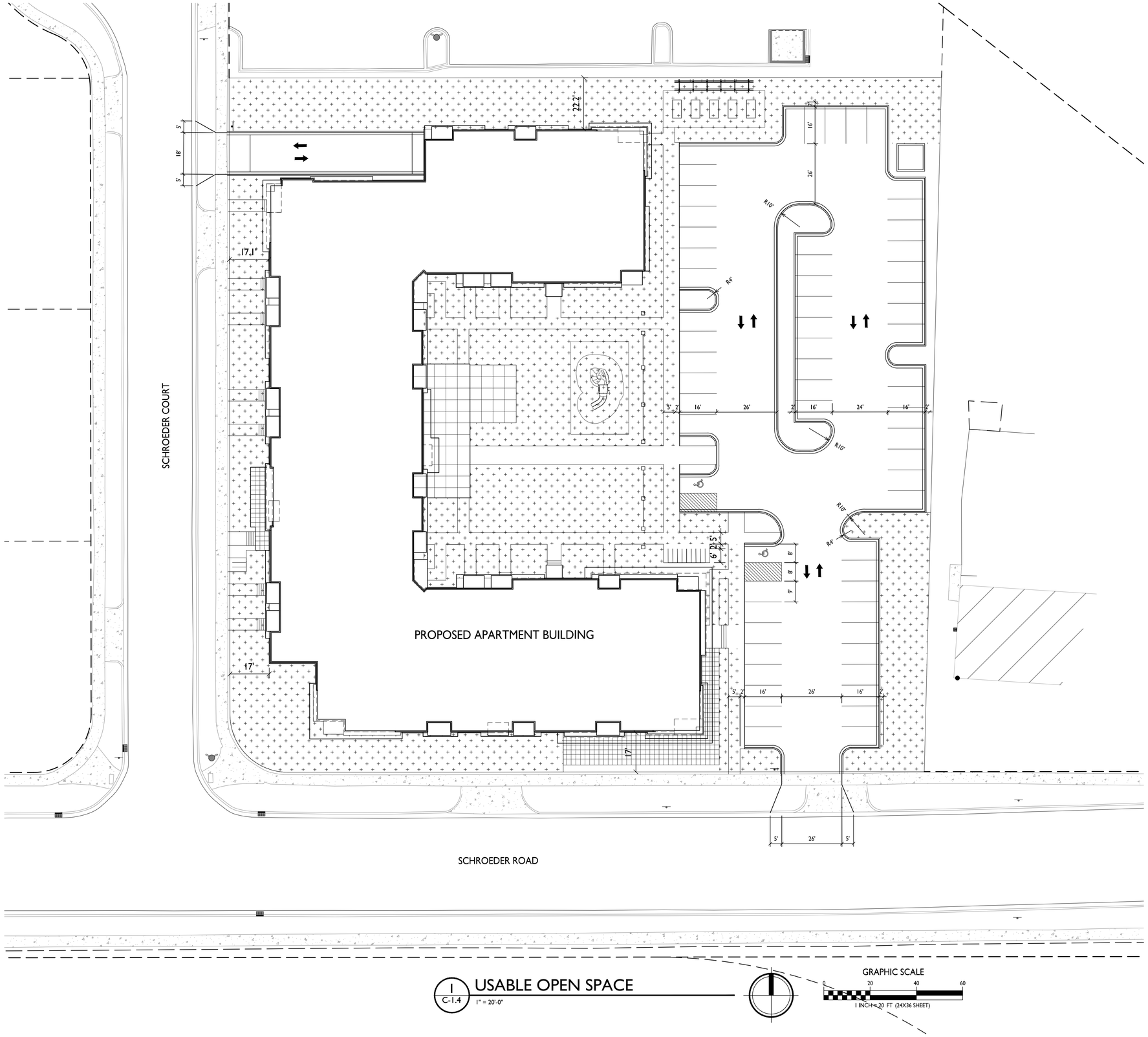
PROJECT TITLE
Mixed-Use Development

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Fire Department Access Plan

SHEET NUMBER
C-1.3

PROJECT NO. 1851



USABLE OPEN SPACE

ZONING: CCT

REQUIRED OPEN SPACE:

160 SF X 44 (1 BDRMS) + 320 SF X 52 (2+BDRMS) = 23,680 SF

OPEN SPACE PROVIDED:

BALCONIES: 96 X 70 S.F. =	6,720 S.F.
SURFACE	29,283 S.F.
TOTAL	36,003 S.F.

1 C-1.4 USABLE OPEN SPACE

1" = 20'-0"

GRAPHIC SCALE

0 20 40 60

1 INCH = 20 FT (24X36 SHEET)

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Phone: 608.836.3690
7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED

Issued for Land Use & UDC - October 12, 2018

PROJECT TITLE

Mixed-Use Development

5614 Schroeder Rd.
Madison, WI

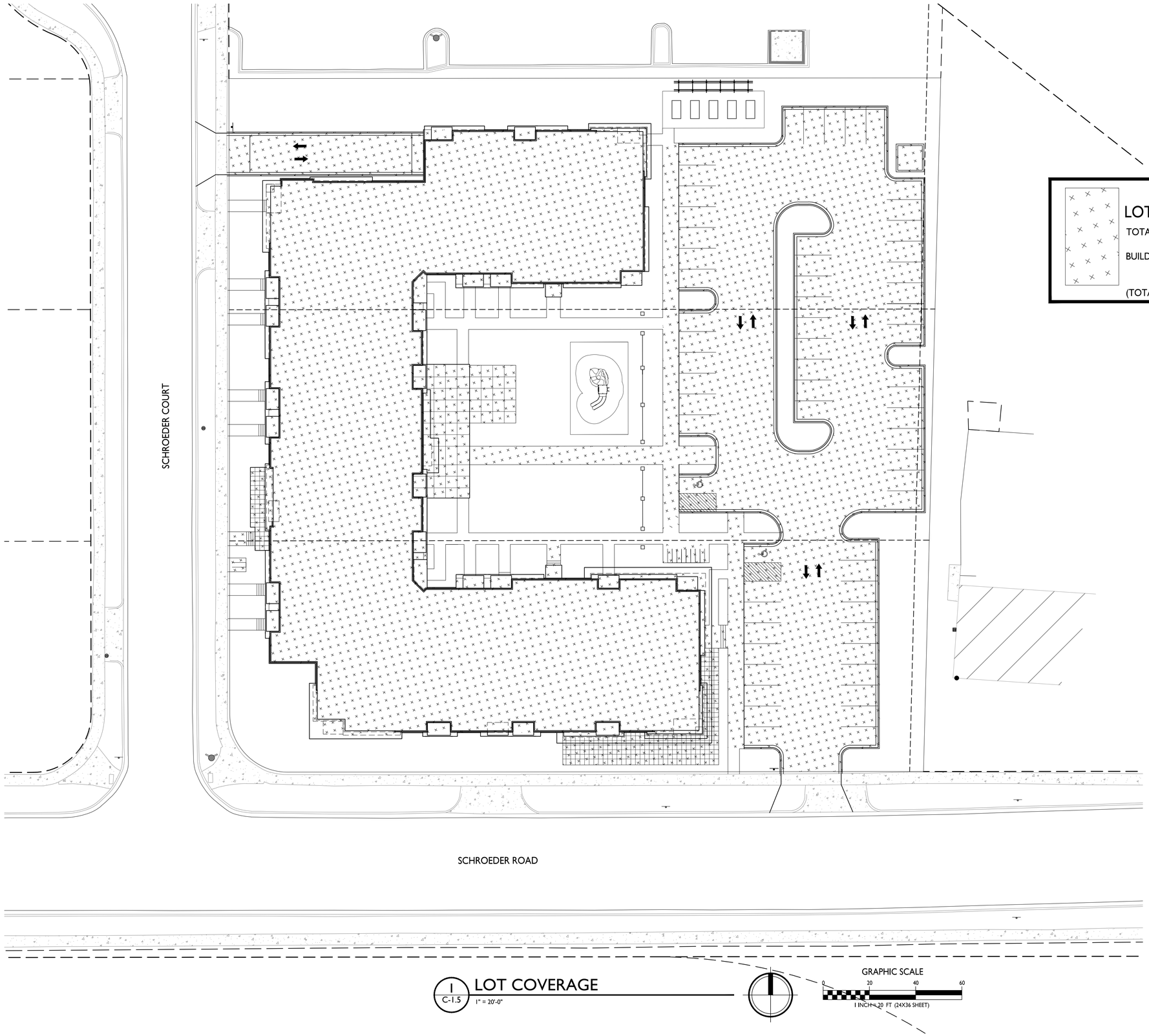
SHEET TITLE

Usable Open Space

SHEET NUMBER

C-1.4

PROJECT NO. 1851



LOT COVERAGE

TOTAL LOT AREA	91,053 S.F.
BUILDING & PAVING COVERAGE:	59,592 S.F.
(TOTAL LOT AREA S.F. / COVERAGE S.F.)	65 % (85% MAX. ALLOWABLE)

1 C-1.5 LOT COVERAGE
1" = 20'-0"

GRAPHIC SCALE
0 20 40 60
1 INCH = 20 FT (24X36 SHEET)

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PROJECT TITLE
Mixed-Use Development

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Lot Coverage

SHEET NUMBER
C-1.5

PROJECT NO. 1851

BENCHMARK #3
TOP NUT=1008.82

EXISTING TRASH ENCLOSURE

EXISTING BERM

EXISTING TRASH ENCLOSURE

EX SMH
RIM=1003.80
IE=995.87 N
IE=995.80 S
IE=996.04 E
IE=995.96 W

EXISTING PAVEMENT

EX FIN
RIM=1000.91
IE=997.76 S

EXISTING TRASH ENCLOSURE

EXISTING PATIO

EXISTING 1 STORY BUILDING
5614 SCHROEDER ROAD

SCHROEDER COURT

EXISTING PAVEMENT

EX FIN
RIM=1000.91
IE=994.78 N
IE=994.78 E

EX FIN
RIM=999.36
IE=994.50 S
IE=994.50 W

EXISTING 1 STORY BUILDING
5606 SCHROEDER ROAD

EX CIN
TC=1002.44
IE=1000.19 S
IE=1000.39 W

BENCHMARK #1
TOP NUT=1004.53

EXISTING BERM

EXISTING BERM

EX CIN
TC=1001.32
IE=997.72 S

EX STMH
RIM=997.18
IE=991.88 N
IE=991.88 W

EX STMH
RIM=1002.23
IE=998.37 N
IE=997.28 E
IE=997.33 W

EX STMH
RIM=1001.19
IE=997.46 N
IE=997.72 S
IE=996.09 E
IE=996.73 W

SCHROEDER ROAD

EX SMH
RIM=1002.28
IE=994.58 N
IE=994.18 E
IE=994.25 W

EX SMH
RIM=1000.10
IE=991.65 E
IE=992.10 W

EX SMH
RIM=997.30
IE=988.60 E
IE=988.75 W

EX CIN
TC=1001.53
IE=998.63 S

N
W E
S

GRAPHIC SCALE FEET
0 10 20 40

TOPOGRAPHIC LINEWORK LEGEND

- EXISTING FIBER OPTIC LINE
- EXISTING CHAIN LINK FENCE
- EXISTING GENERAL FENCE
- EXISTING WOOD FENCE
- EXISTING GAS LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD GENERAL UTILITIES
- EXISTING SANITARY SEWER LINE (SIZE NOTED)
- EXISTING STORM SEWER LINE (SIZE NOTED)
- EXISTING EDGE OF TREES
- EXISTING WATER MAIN (SIZE NOTED)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR

TOPOGRAPHIC SYMBOL LEGEND

- EXISTING BOLLARD
- EXISTING SIGN
- EXISTING CURB INLET
- EXISTING FIELD INLET
- EXISTING STORM MANHOLE
- EXISTING STORM MANHOLE RECTANGULAR
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING WATER MAIN VALVE
- EXISTING GAS METER
- EXISTING DOWN GUY
- EXISTING ELECTRIC MANHOLE
- EXISTING ELECTRIC PEDESTAL
- EXISTING TRANSFORMER
- EXISTING ELECTRIC METER
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING TELEPHONE MANHOLE
- EXISTING TELEPHONE PEDESTAL
- EXISTING HANDICAP PARKING
- EXISTING DECIDUOUS TREE

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

CALL DIGGER'S HOTLINE
1-800-242-8511

NOT FOR CONSTRUCTION

vierbicher
planners | engineers | advisors
Phone: (800) 261-3898

Existing Conditions

5614 Schroeder Road
City of Madison
Dane County, Wisconsin

REVISIONS		
NO.	DATE	REMARKS

REVISIONS		
NO.	DATE	REMARKS

SCALE
AS SHOWN

DATE
10/17/18

DRAFTER
AMEA

CHECKED
MMAR

PROJECT NO.
180308

C
2.1

16 Oct 2018 - 11:53a M:\Stone House Development\180307_Schroeder Road\CADD\180308_Topo.dwg by: bbar

DRAINAGE DITCH (TYP.)

1005.34 HIGH POINT

SCHROEDER COURT

SCHROEDER ROAD

FIRST FLOOR EL = 1006.00' / 1003.00'
BASEMENT EL. = 996.67' / 993.67'

INLET PROTECTION (TYP.)

TRACKING PAD

SILT FENCE (TYP.)

998.80 EP
LOW POINT

1000.13 EP
LOW POINT

GRADING LEGEND

- 820 — EXISTING MAJOR CONTOURS
- 818 — EXISTING MINOR CONTOURS
- 820 — PROPOSED MAJOR CONTOURS
- 818 — PROPOSED MINOR CONTOURS
- SILT FENCE
- DISTURBED LIMITS
- DRAINAGE DIRECTION
- 2.92% PROPOSED SLOPE ARROWS
- 1048.61 EXISTING SPOT ELEVATIONS
- 1048.61 PROPOSED SPOT ELEVATIONS
- STONE WEEPER
- INLET PROTECTION
- EROSION MAT CLASS I TYPE A
- EROSION MAT CLASS II TYPE B
- TRACKING PAD
- RIP RAP

N W E S

GRAPHIC SCALE FEET
0 10 20 40

GENERAL NOTES:

1. CONTRACTOR SHALL KEEP ALL CITY STREETS FREE AND CLEAR OF CONSTRUCTION RELATED DIRT/DUST/DEBRIS.
2. COORDINATE EXISTING UTILITY REMOVAL/ABANDONMENT WITH LOCAL AUTHORITIES AND UTILITY COMPANIES HAVING JURISDICTION.
3. ALL SAWCUTTING SHALL BE FULL DEPTH TO PROVIDE A CLEAN EDGE TO MATCH NEW CONSTRUCTION. MATCH EXISTING ELEVATIONS AT POINTS OF CONNECTION FOR NEW AND EXISTING PAVEMENT, CURB, SIDEWALKS, ETC. ALL SAWCUT LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE FIELD ADJUSTED TO ACCOMMODATE CONDITIONS, JOINTS, MATERIAL TYPE, ETC. REMOVE MINIMUM AMOUNT NECESSARY FOR INSTALLATION OF PROPOSED IMPROVEMENTS.
4. CONTRACTOR SHALL PROVIDE AND SHALL BE RESPONSIBLE FOR ANY NECESSARY TRAFFIC CONTROL SIGNAGE AND SAFETY MEASURES DURING DEMOLITION AND CONSTRUCTION OPERATIONS WITHIN OR NEAR THE PUBLIC ROADWAY.
5. COORDINATE TREE REMOVAL WITH LANDSCAPE ARCHITECT. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO 12" BELOW PROPOSED SUBGRADE.
6. IF APPLICABLE, PROVIDE TREE PROTECTION FENCING PRIOR TO CONSTRUCTION OPERATIONS. MAINTAIN THROUGHOUT CONSTRUCTION.
7. ALL LIGHT POLES TO BE REMOVED FROM PRIVATE PROPERTY SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. COORDINATE ABANDONMENT OF ELECTRICAL LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
8. CONTRACTOR SHALL CLOSE ALL ABANDONED DRIVEWAYS BY REPLACING THE CURB IN FRONT OF THE DRIVEWAYS AND RESTORING THE TERRACE WITH GRASS.
9. CONTRACTOR SHALL OBTAIN ANY NECESSARY DEMOLITION AND UTILITY PLUGGING PERMITS.
10. THE LOCATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THE PLANS HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER AND THE ENGINEER DO NOT ASSUME RESPONSIBILITY IN THE EVENT THAT DURING CONSTRUCTION, UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED, AND THAT THE ACTUAL LOCATION OF THOSE WHICH ARE SHOWN MAY BE DIFFERENT FROM THE LOCATION AS SHOWN ON THE PLANS.
11. ANY DAMAGE TO THE CITY PAVEMENT, INCLUDING DAMAGE RESULTING FROM CURB REPLACEMENT, WILL REQUIRE RESTORATION IN ACCORDANCE WITH THE CITY ENGINEERING PATCHING CRITERIA.

NOT FOR CONSTRUCTION

vierbicher
planners | engineers | advisors
Phone: (800) 261-3898

Grading and Erosion Control Plan

5614 Schroeder Road
City of Madison
Dane County, Wisconsin

REVISIONS

NO.	DATE	REMARKS

REVISIONS

NO.	DATE	REMARKS

SCALE
AS SHOWN

DATE
10/17/18

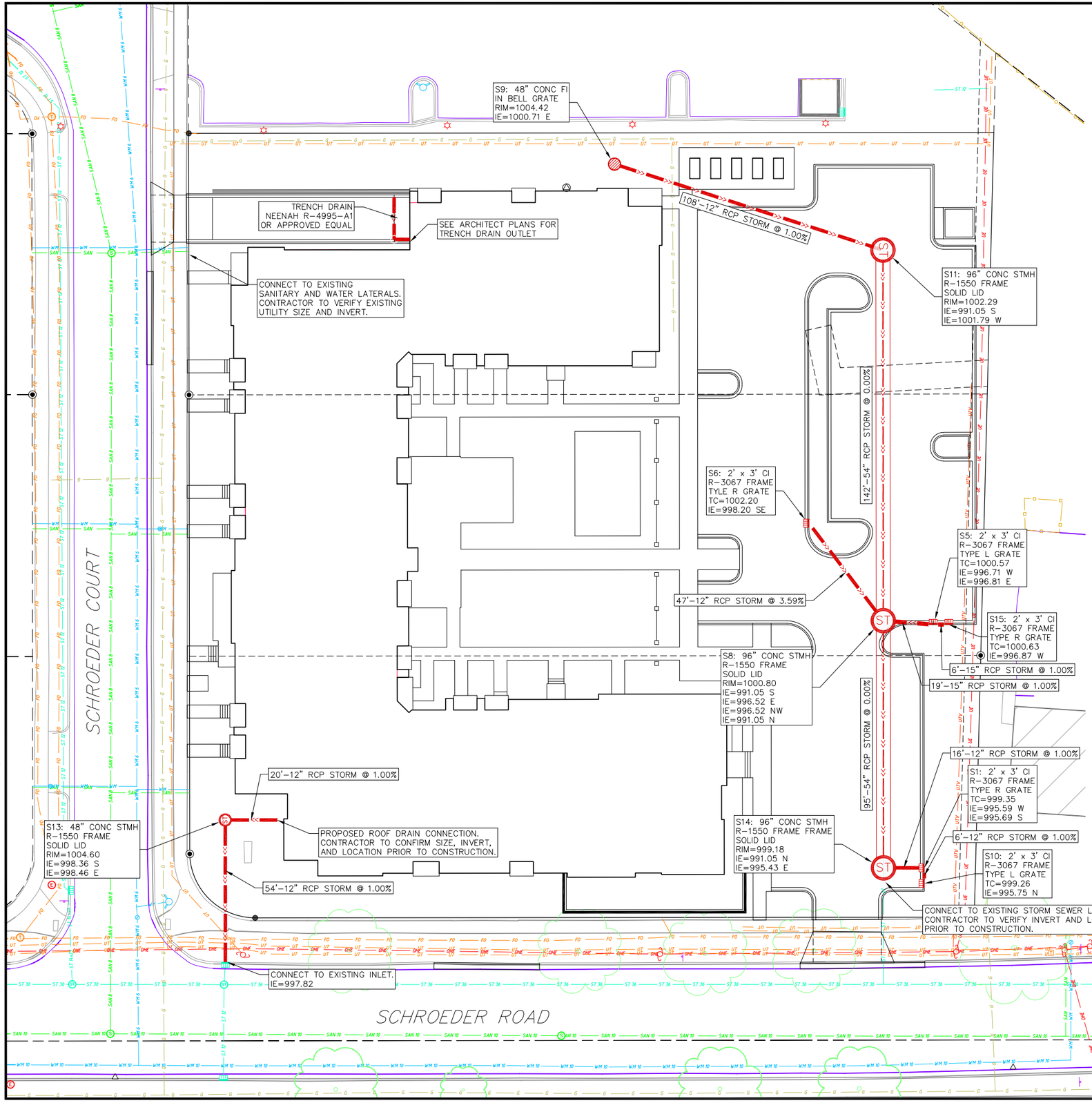
DRAFTER
BBAR

CHECKED
RKOL

PROJECT NO.
180308

C
3.0

16 Oct 2018 - 12:26p M:\Stone House Development\180307_Schroeder Road\CADD\180308_Base Eng.dwg by: bbar



PROPOSED UTILITY LEGEND

- STORM SEWER PIPE
- STORM SEWER MANHOLE
- STORM SEWER ENDWALL
- STORM SEWER CURB INLET
- STORM SEWER CURB INLET W/MANHOLE
- STORM SEWER FIELD INLET
- SANITARY SEWER LATERAL PIPE
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- WATER VALVE

ABBREVIATIONS

STMH – STORM MANHOLE
FI – FIELD INLET
CI – CURB INLET
CB – CATCH BASIN
EW – ENDWALL
SMH – SANITARY MANHOLE

N W E S

GRAPHIC SCALE FEET
0 10 20 40

UTILITY NOTES:

1. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.
2. CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES (MANHOLE RIMS, WATER VALVES, AND CURB STOPS), IF NECESSARY.
4. CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT-OF WAY, EXCAVATION, UTILITY CONNECTION, PLUGGING, ABANDONMENT, AND DRIVEWAY CONNECTION PERMITS PRIOR TO CONSTRUCTION.
5. FOR ALL SEWER AND WATER MAIN CROSSINGS: PROVIDE MINIMUM 18" SEPARATION WHEN WATER MAIN CROSSES BELOW SEWER AND MINIMUM 6" SEPARATION WHEN WATER MAIN CROSSES ABOVE SEWER.
6. IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED PRIOR TO STARTING ANY DEWATERING ACTIVITIES.
7. A COPY OF THE APPROVED UTILITY PLANS, SPECIFICATIONS AND PLUMBING PERMIT APPROVAL LETTER SHALL BE ON-SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES AND OTHER LOCAL INSPECTORS.
8. STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-6 OF SPS 384.30(3)(c).
9. PRIVATE WATER SERVICES AND PRIVATE WATER MAINS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-7 OF SPS 384.30(4)(d).
10. PRIVATE SANITARY SEWER AND LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D3034 – SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-3 OF SPS 384.30(2)(c).
11. A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.10(11)(h) AND SPS 382.40(8)(k).
12. EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(8)(b.).
13. NO PERSON MAY ENGAGE IN PLUMBING WORK IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
14. SITE CONTRACTOR SHALL LEAVE SANITARY AND WATER LATERALS FIVE (5) FEET SHORT (HORIZONTALLY) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY SIZE, LOCATION, AND INVERT ELEVATION OF PROPOSED SANITARY AND WATER LATERALS.
15. CONTRACTOR SHALL FIELD VERIFY THE SIZE, TYPE, LOCATION, AND ELEVATION OF EXISTING UTILITIES PRIOR TO INSTALLING ANY ON-SITE UTILITIES OR STRUCTURES. CONTACT ENGINEER PRIOR TO INSTALLATION IF DISCREPANCY EXISTS WITHIN THESE PLANS.
16. PROPOSED UTILITY SERVICE LINES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATIONS WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATIONS WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF ANY NEW UTILITIES.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF ANY UTILITIES ENCOUNTERED AND REPLACEMENT OF ANY UTILITIES DAMAGED WITHIN INFLUENCE ZONE OF NEW CONSTRUCTION. CONTACT ENGINEER IF THE EXISTING UTILITIES VARY APPRECIABLY FROM THE PLANS.
18. ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GROUND ELEVATION TO TOP OF MAIN.
19. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE, AT THE POINT OF CONNECTION.
20. CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
21. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE PLANS HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER AND THE ENGINEER DO NOT ASSUME RESPONSIBILITY IN THE EVENT THAT DURING CONSTRUCTION, UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED, AND THAT THE ACTUAL LOCATION OF THOSE WHICH ARE SHOWN MAY BE DIFFERENT FROM THE LOCATION AS SHOWN ON THE PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING DIGGERS HOTLINE AND LOCATING ALL EXISTING UTILITIES AND ENSURING PROPER CLEARANCE OF NEW UTILITIES.

NOT FOR CONSTRUCTION

vierbicher
planners | engineers | advisors
Phone: (800) 261-3898

Utility Plan

5614 Schroeder Road
City of Madison
Dane County, Wisconsin

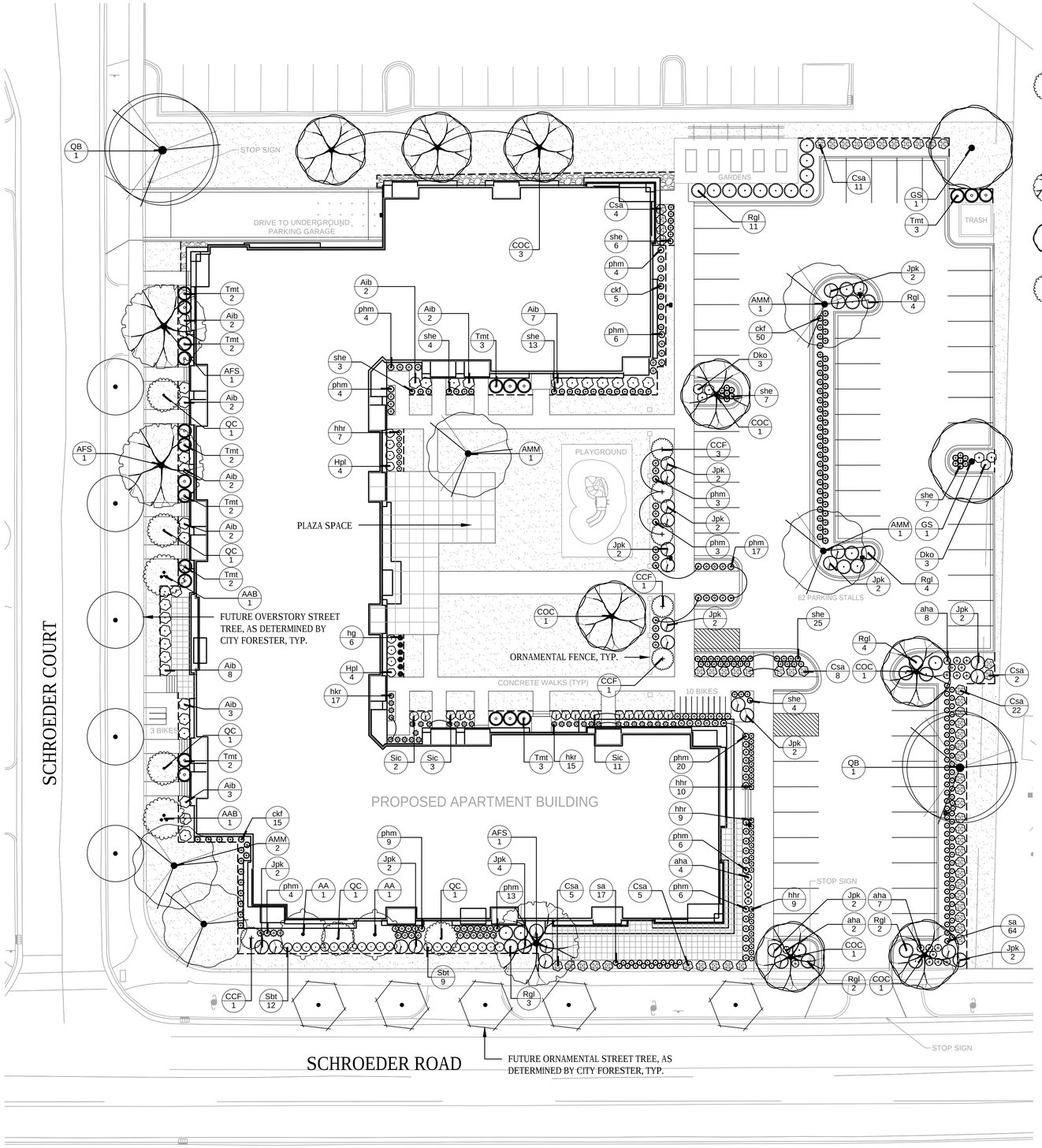
REVISIONS		
NO.	DATE	REMARKS

REVISIONS		
NO.	DATE	REMARKS

SCALE: AS SHOWN
DATE: 10/17/18
DRAFTER: BBAR
CHECKED: RKOL
PROJECT NO.: 180308

C
4.0

16 Oct 2018 - 1:00p M:\Stone House Development\180307_Schroeder Road\CADD\180308_Base Eng.dwg by: bbar



1 PLANTING AND LANDSCAPE RESTORATION PLAN

SCALE: 1"=20'

1" = 20'-0" (0, 20', 40')

NORTH

PLANT SCHEDULE

ORNAMENTAL TREES	CODE	BOTANICAL NAME / COMMON NAME	CONT	SIZE	HEIGHT	QTY
	AA	Acer tataricum ginnala `Flame` / Amur Maple `Flame`	B & B	UPRIGHT MULTI-STEM	6` HT (MIN.)	2
	AAB	Amelanchier x grandiflora `Autumn Brilliance` / Autumn Brilliance Serviceberry	B & B	UPRIGHT MULTI-STEM	6` HT (MIN.)	2
	CCF	Carpinus caroliniana `J.N. Upright` / Firespire Musclewood	B & B	UPRIGHT MULTI-STEM	6` HT (MIN.)	6

SHADE TREES	CODE	BOTANICAL NAME / COMMON NAME	CONT	SIZE	HEIGHT	QTY
	AMM	Acer miyabei `Morton` TM / State Street Miyabei Maple	B & B	2.5"Cal		5
	AFS	Acer x freemanii `Sienna` / Sienna Glen Maple	B & B	2.5"Cal		3
	COC	Celtis occidentalis `Chicagoland` / Common Hackberry	B & B	2.5"Cal		8
	GS	Gleditsia triacanthos `Skyline` / Skyline Honey Locust	B & B	2.5"Cal		2
	QB	Quercus bicolor / Swamp White Oak	B & B	2.5"Cal		2
	QC	Quercus robur `Crimschmidt` TM / Crimson Spire English Oak	B & B	2.5"Cal		5

DECIDUOUS SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	CONT	SIZE	NOTES	QTY
	Aib	Aronia melanocarpa `Morton` / Iroquois Beauty Black Chokeberry	3 gal	24" HT (MIN.)		33
	Csa	Cornus stolonifera `Arctic Fire` / Arctic Fire Dogwood	3 gal	18" HT (MIN.)		57
	Dko	Diervilla lonicera `Kodiak Orange` / Kodiak Orange Dwarf Bush Honeysuckle	2 gal	18" HT (MIN.)		6
	Hpl	Hydrangea paniculata `Little Lamb` / Little Lamb Hydrangea	3 gal	18" HT. (MIN.)		8
	Rgl	Rhus aromatica `Gro-Low` / Gro-Low Fragrant Sumac	2 gal	18" SP. (MIN.)		30
	Sbt	Spiraea betulifolia `Tor` / Birchleaf Spirea	2 gal	18" HT (MIN.)		21
	Sic	Stephanandra incisa `Crispa` / Cutleaf Stephanandra	3 gal	18" SP. (MIN.)		16

EVERGREEN SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	CONT	SIZE	NOTES	QTY
	Jpk	Juniperus chinensis `Pfitzeriana Kallay` / Kallays Compact Pfitzer Juniper	3 gal	24" HT (MIN.)		28
	Tmt	Taxus x media `Tauntonii` / Tauton Yew	3 gal	24" HT (MIN.)		21

HERBACEOUS PERENNIALS	CODE	BOTANICAL NAME / COMMON NAME	CONT	SIZE	NOTES	QTY
	aha	Amsonia hubrichtii `Halfway to Arkansas` / Arkansas Blue Star	1 gal			21
	hhr	Hemerocallis x `Happy Returns` / Happy Returns Daylily	1 gal			35
	hg	Hosta x `Guacamole` / Guacamole Hosta	1 gal			6
	hkr	Hosta x `Krossa Regal` / Krossa Regal Hosta	1 gal			32

ORNAMENTAL GRASSES	CODE	BOTANICAL NAME / COMMON NAME	CONT	SIZE	NOTES	QTY
	ckf	Calamagrostis x acutiflora `Karl Foerster` / Karl Foerster Feather Reed Grass	1 gal			70
	phm	Panicum virgatum `Heavy Metal` / Heavy Metal Switch Grass	1 gal			99
	sa	Sesleria autumnalis / Autumn Moor Grass	1 gal			81
	she	Sporobolus heterolepis / Prairie Dropseed	1 gal			69

City of Madison Landscape Worksheet

5614 Schroeder Road
October 17, 2018
Commercial Corridor - Transitional (CCT), Urban Design District 2

Developed Lots	SF	Minimum Open Space Required (SF)	Landscape Units Required	Landscape Points Subtotal
Total Developed Area	60,782	n/a	203	1013
			Landscape Points Required	1013

Development Frontage	LF	Overstory Tree Req. (or x2 for Orn./Evrgrn. Tree Sub.)	Shrubs Required
Total LF of Street Frontage Between Bldg./Parking & Streets	547	18	91

Element	Point Value	Quantity Proposed	Quantity Existing	Points Achieved
Overstory Deciduous Tree	35	13		455
Ornamental Tree	15	5		75
Evergreen Tree	15	0		0
Shrub, deciduous	2	65		130
Shrub, evergreen	3	24		72
Ornamental Grass	2	64		128
Ornamental/Decorative Fence or Wall (4 pts/10 LF)	4	0		0
			Development Frontage Points Total	860

Interior Parking Lots	SF	Overstory Tree Req. (or x2 for Orn./Evrgrn. Tree Sub.)
Total Parking Lot Area	20,523	
Min. Parking Lot Islands (5%)	1,026	6

Element	Point Value	Quantity Proposed	Quantity Existing	Points Achieved
Overstory Deciduous Tree	35	7		245
Ornamental Tree	15	0		0
Evergreen Tree	15	0		0
Shrub, deciduous	2	71		142
Shrub, evergreen	3	11		33
Ornamental Grass	2	182		364
			Interior Parking Lots Points Total	784

General Site, Foundation, Screening				
Element	Point Value	Quantity Proposed	Quantity Existing	Points Achieved
Overstory Deciduous Tree	35	5		175
Ornamental Tree	15	5		75
Evergreen Tree	15	0		0
Shrub, deciduous	2	35		70
Shrub, evergreen	3	14		42
Ornamental Grass	2	73		146
Ornamental/Decorative Fence or Wall (4 pts/10 LF)	4	100		400
			General Site Plantings Total	508
			TOTAL LANDSCAPE POINTS	2152

NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY SURVEY INFORMATION AND SITE CONDITIONS PRIOR TO START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES. CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO START OF CONSTRUCTION. ANY DAMAGE CAUSED TO EXISTING UTILITIES, EITHER SHOWN OR NOT, SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
2. CONTRACTOR SHALL PROTECT BENCHMARKS.
3. ALL WRAPPINGS, WIRE BASKETS, BURLAP, AND OTHER MISCELLANEOUS MATERIAL SHALL BE COMPLETELY REMOVED FROM ALL SHRUB AND TREE ROOT BALLS PRIOR TO INSTALLATION.
4. ALL LAWN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RE-SEEDED AT NO COST TO OWNER.
5. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTENANCE OF PLANT MATERIAL.
6. CONTRACTOR SHALL CONTACT CITY OF MADISON FORESTRY AT LEAST ONE WEEK PRIOR TO PLANTING TO SCHEDULE INSPECTING THE NURSERY STOCK, REVIEW PLANTING SPECIFICATIONS AND INDICATE PLANTING LOCATIONS WITH THE LANDSCAPE CONTRACTOR.
7. ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION AFTER THE DEVELOPMENT PLAN IS APPROVED WILL REQUIRE AT LEAST 72-HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY, TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.
8. ALL PLANT BEDS TO BE MULCHED WITH SHREDDED HARDWOOD BARK MULCH UNLESS OTHERWISE INDICATED.

LEGEND

BLUEGRASS SEED

STONE MULCH

LANDSCAPE EDGING

knothe bruce ARCHITECTS
Phone: 608.836.3690
7601 University Ave, Ste 201
Middleton, WI 53562

Saiki DESIGN
1110 S. Park Street,
Madison, Wisconsin 53715
608-251-3600
www.ksd-la.com

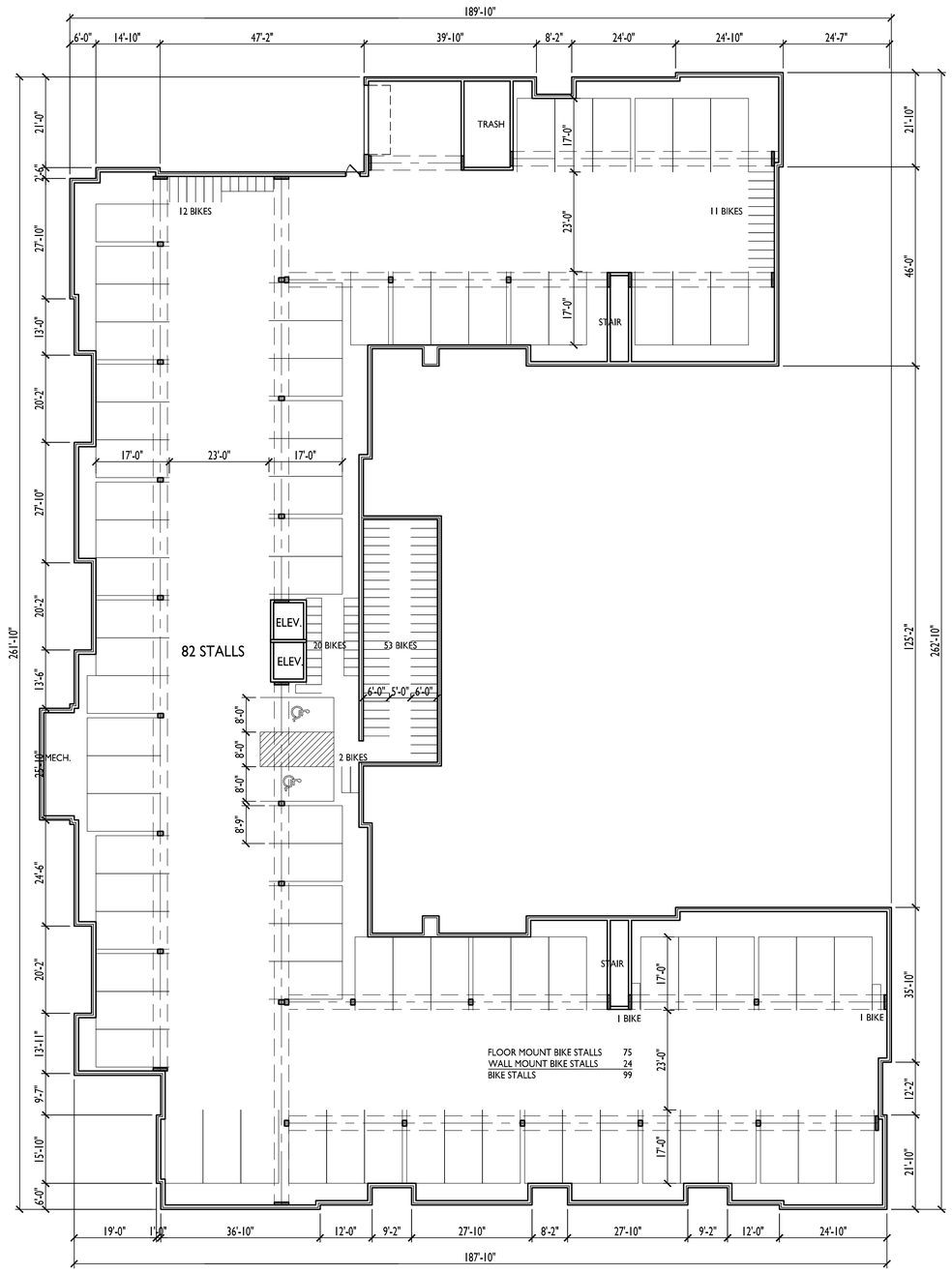
ISSUED
Issued to Planning - Oct 17, 2018

PROJECT TITLE
5614 Schroeder Road
Madison, WI

SHEET TITLE
Planting and Landscape Restoration Plan

SHEET NUMBER
L-1.0

PROJECT NO.



1 / A-1.0 LOWER LEVEL FLOOR PLAN

1/16"=1'-0"

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Phone: 608.836.3690
7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED
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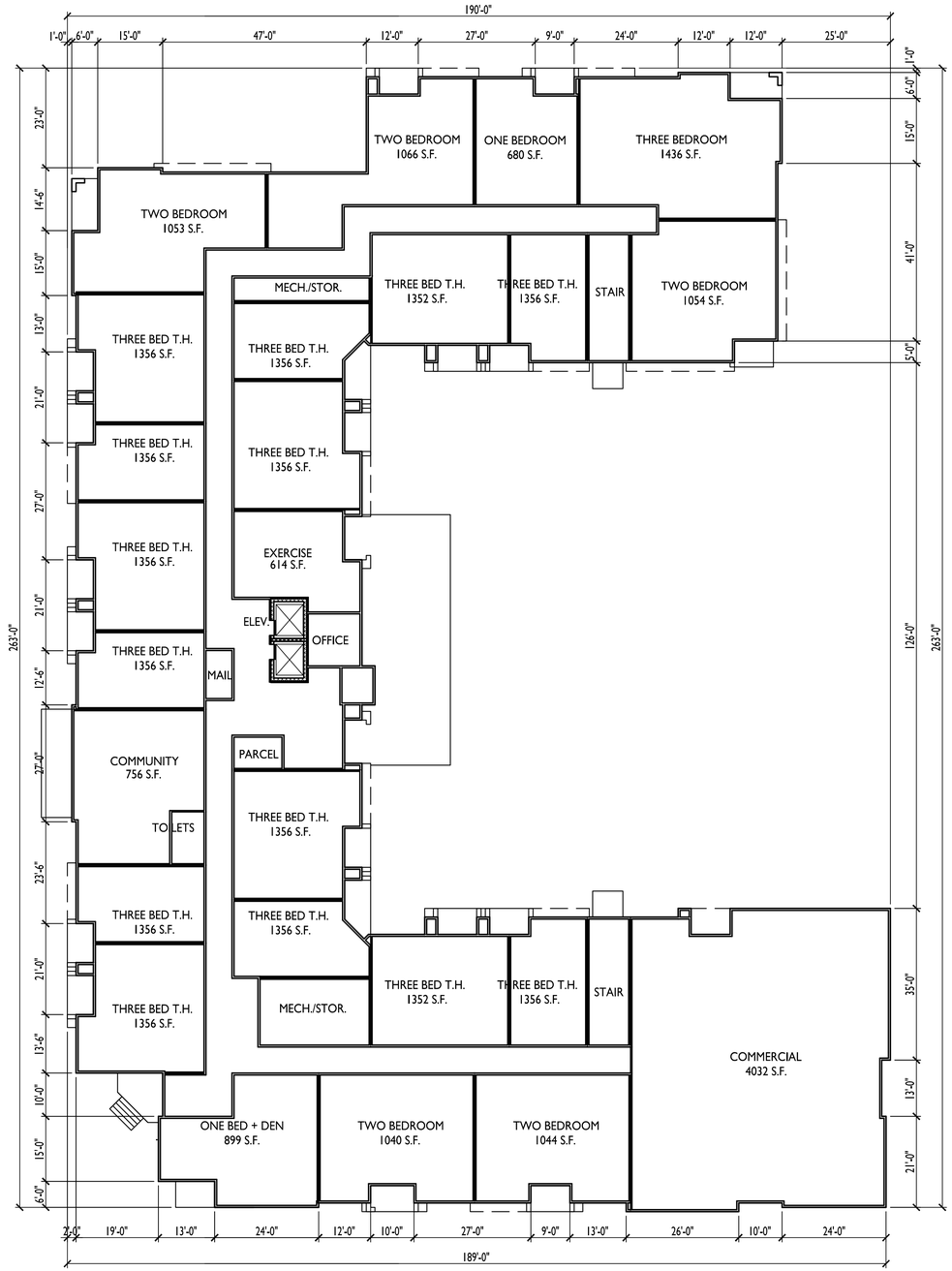
PROJECT TITLE
Schroeder Road

SHEET TITLE
Basement Plan

SHEET NUMBER
A-1.0

PROJECT NO.



1 / A-1.1 FIRST FLOOR PLAN

1/16"=1'-0"

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Middleton, WI 53562

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Issued for UDC Supplement - November 29, 2018

PROJECT TITLE

Schroeder Road

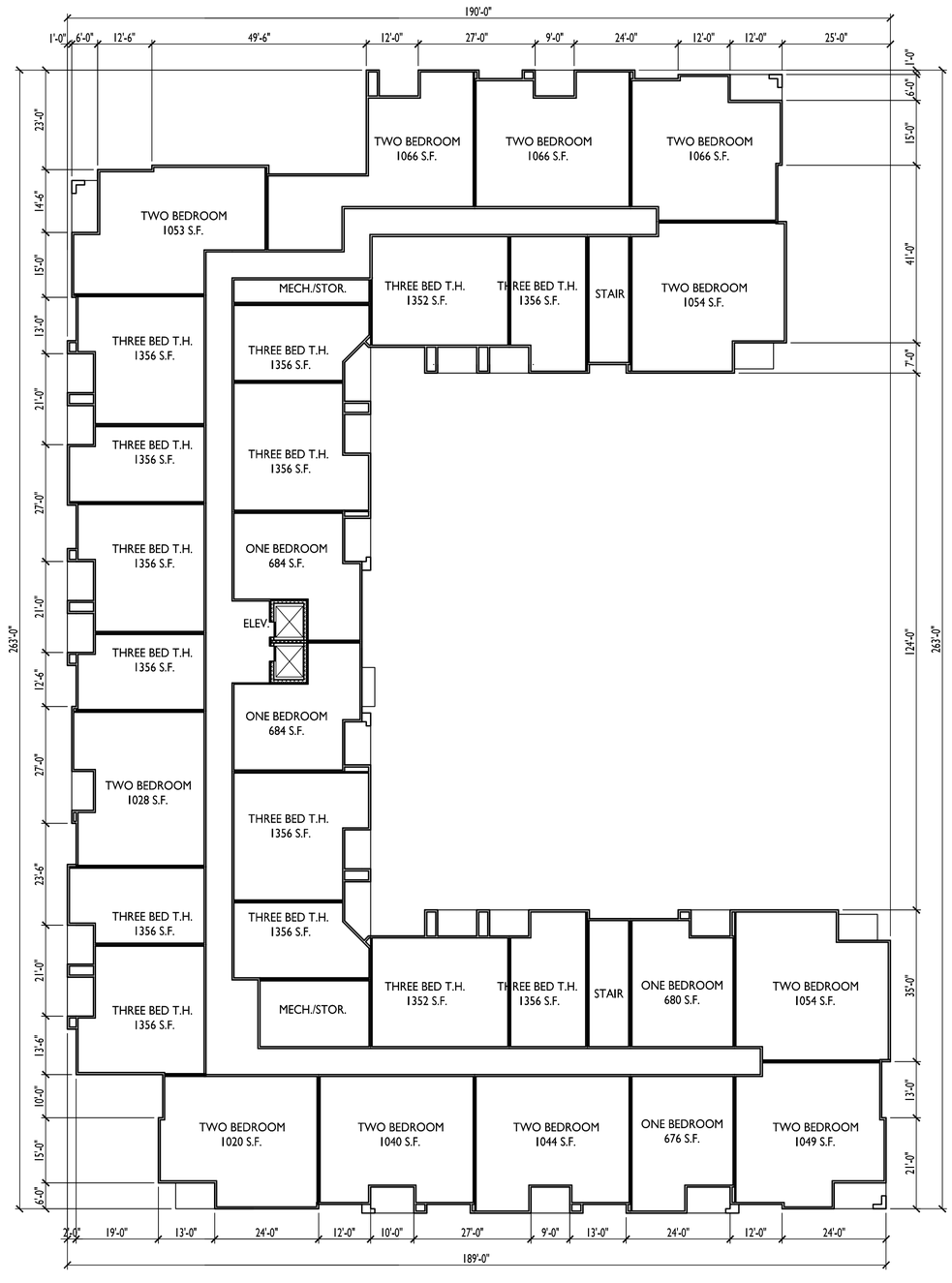
SHEET TITLE

First Floor Plan

SHEET NUMBER

A-1.1

PROJECT NO.



1 / A-1.2 SECOND FLOOR PLAN

1/16"=1'-0"

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PROJECT TITLE

Schroeder Road

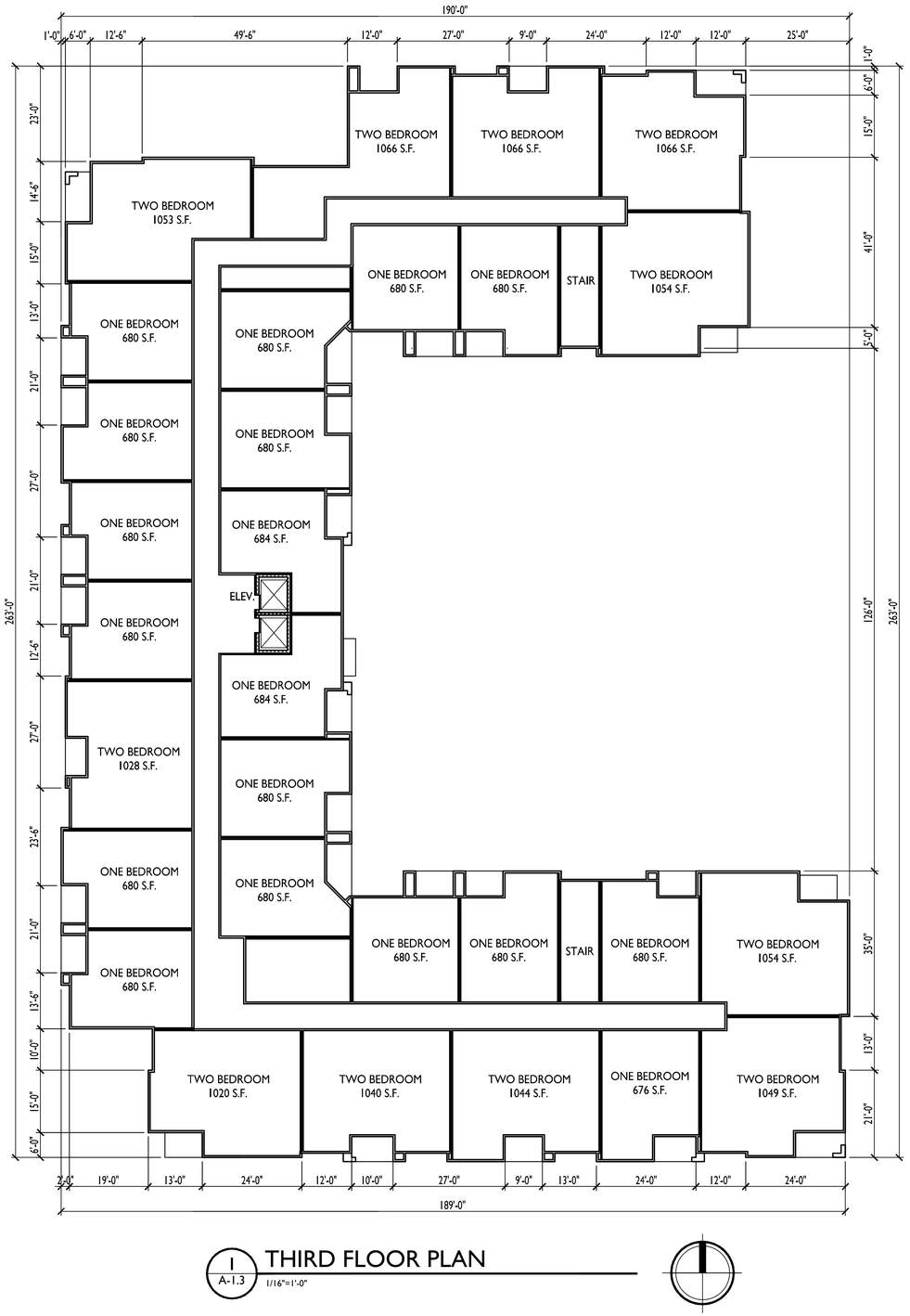
SHEET TITLE

Second Floor Plan

SHEET NUMBER

A-1.2

PROJECT NO.



1 / A-1.3 THIRD FLOOR PLAN

1/16"=1'-0"

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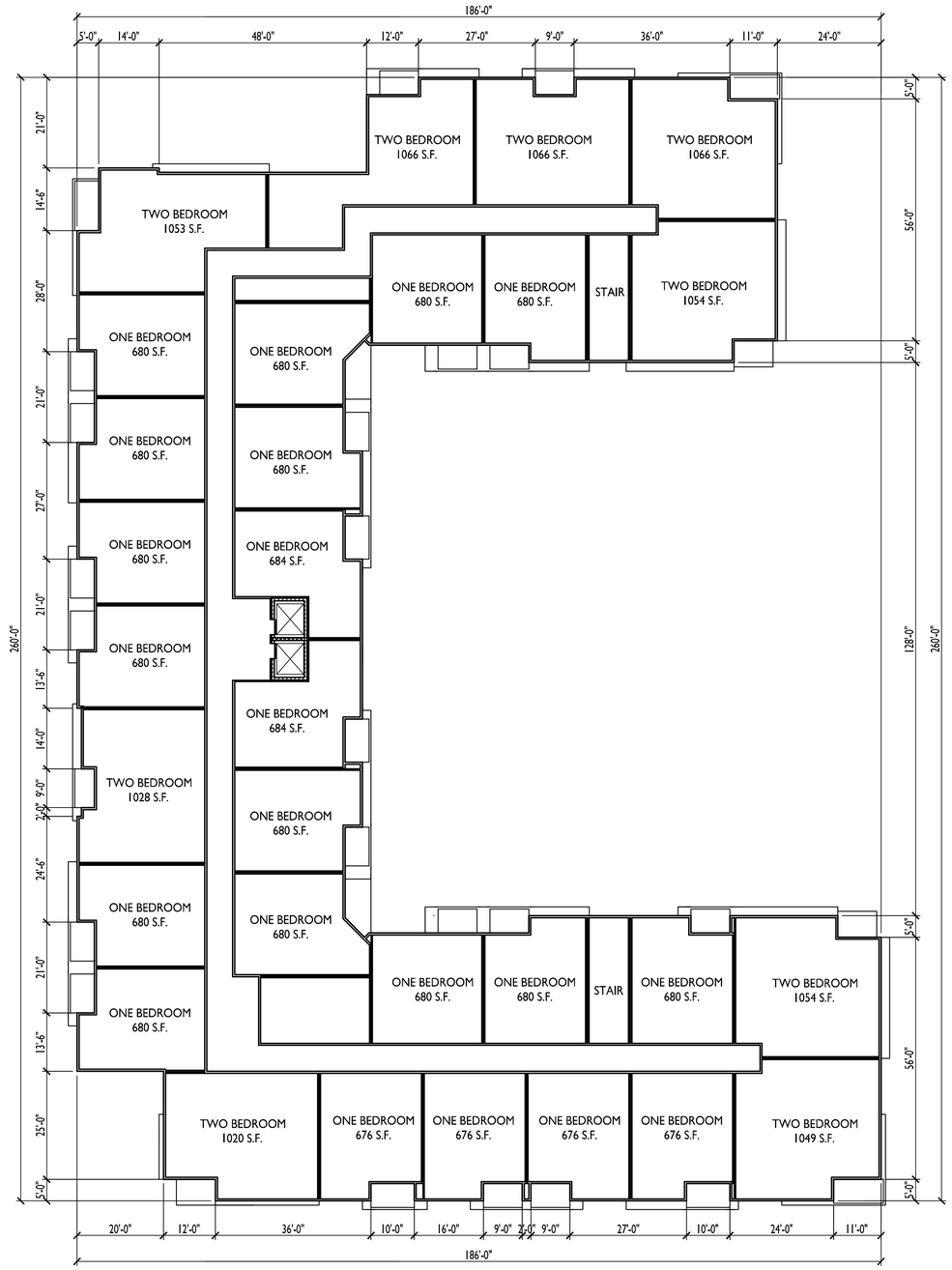
PROJECT TITLE
Schroeder Road

SHEET TITLE
Third Floor Plan

SHEET NUMBER
A-1.3

PROJECT NO.



1 / A-1.4 FOURTH FLOOR PLAN

1/16"=1'-0"

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PROJECT TITLE
Schroeder Road

SHEET TITLE
Fourth Floor Plan

SHEET NUMBER
A-1.4

PROJECT NO.

1 A-2.1 **West Elevation**
3/32" = 1'-0"

2 A-2.1 **South Elevation**
3/32" = 1'-0"

EXTERIOR MATERIAL SCHEDULE		
BUILDING MATERIAL	MATERIAL	COLOR
PANELS, CANOPIES	COMPOSITE	DARK BRONZE
HORIZONTAL SIDING A	COMPOSITE	HARDIE TIMBER BARK
HORIZONTAL SIDING B	COMPOSITE	HARDIE MONTEREY TAUPE
FREIZE, & WINDOW TRIM BOARDS	COMPOSITE	MATCH WITH ADJ. SIDING
FASCIA	ALUM. WRAPPED	MATCH WITH ADJ. SIDING
MASONRY VENEER	BRICK VENEER	CLOUD CERAMICS - GREYSTONE-MODULAR-VELOUR
BALCONIES & CANOPIES	COMPOSITE	MATCH WITH MONTEREY TAUPE
WINDOWS	VINYL	SAND
RAILING	ALUMINUM	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE

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7601 University Ave. • Suite 201 • Middleton, WI 53562

KEY PLAN

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PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Building Elevations

SHEET NUMBER
A-2.1

PROJECT NUMBER 1851

1 A-2.2 Hidden North Elevation
3/32" = 1'-0"

2 A-2.2 East Elevation
3/32" = 1'-0"

EXTERIOR MATERIAL SCHEDULE		
BUILDING MATERIAL	MATERIAL	COLOR
PANELS, CANOPIES	COMPOSITE	DARK BRONZE
HORIZONTAL SIDING A	COMPOSITE	HARDIE TIMBER BARK
HORIZONTAL SIDING B	COMPOSITE	HARDIE MONTEREY TAUPE
FREIZE, & WINDOW TRIM BOARDS	COMPOSITE	MATCH WITH ADJ. SIDING
FASCIA	ALUM. WRAPPED	MATCH WITH ADJ. SIDING
MASONRY VENEER	BRICK VENEER	CLOUD CERAMICS - GREYSTONE-MODULAR+VELOUR
BALCONIES & CANOPIES	COMPOSITE	MATCH WITH MONTEREY TAUPE
WINDOWS	VINYL	SAND
RAILING	ALUMINUM	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE

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PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Building Elevations

SHEET NUMBER
A-2.2

PROJECT NUMBER 1851

1 A-2.3 Hidden South Elevation
3/32" = 1'-0"

2 A-2.3 North Elevation
3/32" = 1'-0"

EXTERIOR MATERIAL SCHEDULE		
BUILDING MATERIAL	MATERIAL	COLOR
PANELS, CANOPIES	COMPOSITE	DARK BRONZE
HORIZONTAL SIDING A	COMPOSITE	HARDIE TIMBER BARK
HORIZONTAL SIDING B	COMPOSITE	HARDIE MONTEREY TAUPE
FREIZE, & WINDOW TRIM BOARDS	COMPOSITE	MATCH WITH ADJ. SIDING
FASCIA	ALUM. WRAPPED	MATCH WITH ADJ. SIDING
MASONRY VENEER	BRICK VENEER	CLOUD CERAMICS - GREYSTONE-MODULAR-VELOUR
BALCONIES & CANOPIES	COMPOSITE	MATCH WITH MONTEREY TAUPE
WINDOWS	VINYL	SAND
RAILING	ALUMINUM	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE

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PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Building Elevations

SHEET NUMBER
A-2.3

PROJECT NUMBER 1851

1 A-2.4 West Elevation Color
3/32" = 1'-0"

2 A-2.4 South Elevation Color
3/32" = 1'-0"

TYPICAL MATERIALS

- FLAT LOCK METAL PANEL
- COMPOSITE SIDING AND TRIM A
- BRICK VENEER
- COMPOSITE SIDING AND TRIM B
- COMPOSITE PANEL
- ALUMINUM RAILING
- VINYL/FIBERGLASS WINDOWS
- ALUM. STOREFRONT

EXTERIOR MATERIAL SCHEDULE

BUILDING MATERIAL	MATERIAL	COLOR
PANELS, CANOPIES	COMPOSITE	DARK BRONZE
HORIZONTAL SIDING A	COMPOSITE	HARDIE TIMBER BARK
HORIZONTAL SIDING B	COMPOSITE	HARDIE MONTEREY TAUPE
FREIZE, & WINDOW TRIM BOARDS	COMPOSITE	MATCH WITH ADJ. SIDING
FASCIA	ALUM. WRAPPED	MATCH WITH ADJ. SIDING
MASONRY VENEER	BRICK VENEER	CLOUD CERAMICS - GREYSTONE-MODULAR-VELOUR
BALCONIES & CANOPIES	COMPOSITE	MATCH WITH MONTEREY TAUPE
WINDOWS	VINYL	SAND
RAILING	ALUMINUM	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE

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PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Color Elevations

SHEET NUMBER
A-2.4

PROJECT NUMBER 1851

2 A-2.5 Hidden North Elevation Color
3/32" = 1'-0"

1 A-2.5 East Elevation Color
3/32" = 1'-0"

EXTERIOR MATERIAL SCHEDULE		
BUILDING MATERIAL	MATERIAL	COLOR
PANELS, CANOPIES	COMPOSITE	DARK BRONZE
HORIZONTAL SIDING A	COMPOSITE	HARDIE TIMBER BARK
HORIZONTAL SIDING B	COMPOSITE	HARDIE MONTEREY TAUPE
FREIZE, & WINDOW TRIM BOARDS	COMPOSITE	MATCH WITH ADJ. SIDING
FASCIA	ALUM. WRAPPED	MATCH WITH ADJ. SIDING
MASONRY VENEER	BRICK VENEER	CLOUD CERAMICS - GREYSTONE-MODULAR-VELOUR
BALCONIES & CANOPIES	COMPOSITE	MATCH WITH MONTEREY TAUPE
WINDOWS	VINYL	SAND
RAILING	ALUMINUM	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE

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PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Color Elevations

SHEET NUMBER
A-2.5

PROJECT NUMBER 1851

1 A-2.6 **Hidden South Elevation Color**
3/32" = 1'-0"

2 A-2.6 **North Elevation Color**
3/32" = 1'-0"

EXTERIOR MATERIAL SCHEDULE		
BUILDING MATERIAL	MATERIAL	COLOR
PANELS, CANOPIES	COMPOSITE	DARK BRONZE
HORIZONTAL SIDING A	COMPOSITE	HARDIE TIMBER BARK
HORIZONTAL SIDING B	COMPOSITE	HARDIE MONTEREY TAUPE
FREIZE, & WINDOW TRIM BOARDS	COMPOSITE	MATCH WITH ADJ. SIDING
FASCIA	ALUM. WRAPPED	MATCH WITH ADJ. SIDING
MASONRY VENEER	BRICK VENEER	CLOUD CERAMICS - GREYSTONE-MODULAR-VELOUR
BALCONIES & CANOPIES	COMPOSITE	MATCH WITH MONTEREY TAUPE
WINDOWS	VINYL	SAND
RAILING	ALUMINUM	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE

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PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Color Elevations

SHEET NUMBER
A-2.6

PROJECT NUMBER 1851

A-2.7

5614 Schroeder Rd.

Southeast Perspective

Issued for UDC Supplement - November 29, 2018

kba

knothe · bruce

ARCHITECTS

A-2.8
5614 Schroeder Rd.
Southwest Perspective

Issued for UDC Supplement - November 29, 2018

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A-2.9

5614 Schroeder Rd

West Perspective

Issued for UDC Supplement - November 29, 2018

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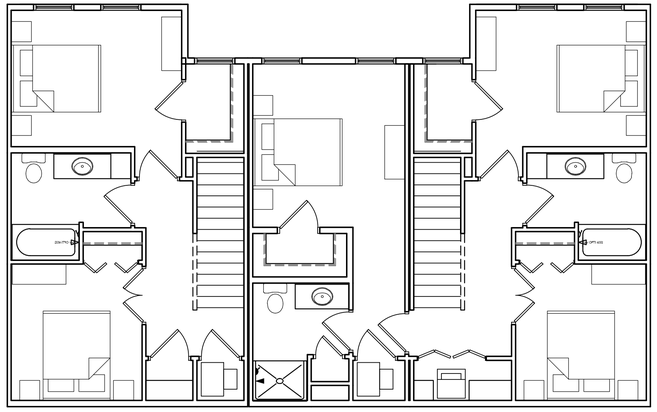
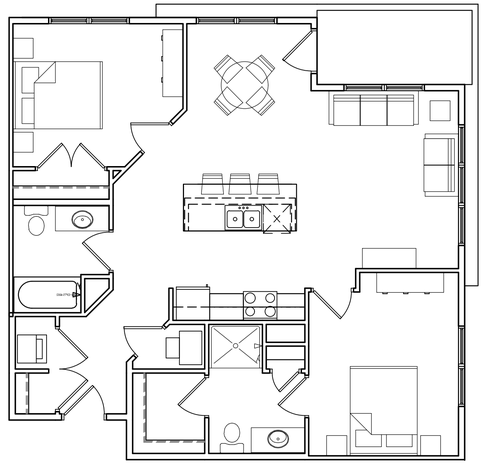


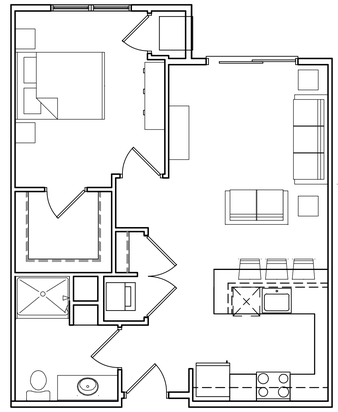
2 A-5.1 THREE BEDROOM TOWNHOUSE - UPPER

3/16"=1'-0"



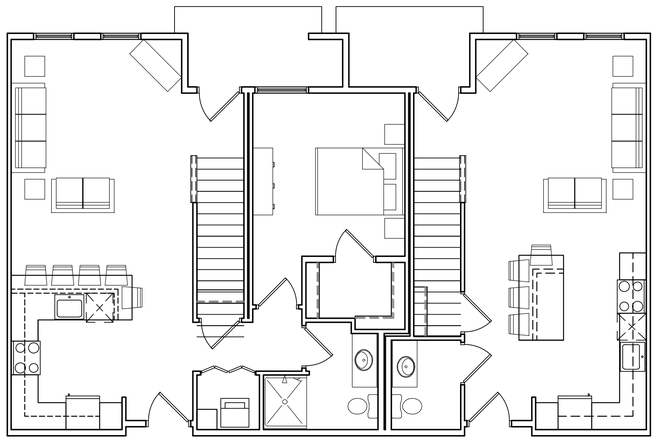
4 A-5.1 TWO BEDROOM

3/16"=1'-0"



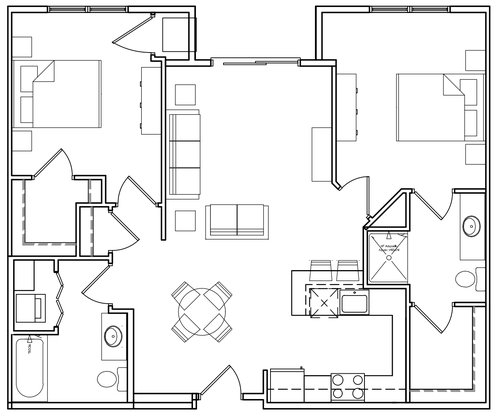
5 A-5.1 ONE BEDROOM

3/16"=1'-0"



1 A-5.1 THREE BEDROOM TOWNHOUSE - LOWER

3/16"=1'-0"



3 A-5.1 TWO BEDROOM

3/16"=1'-0"

knothe bruce ARCHITECTS

Phone: 608.836.3690

7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED

Issued for Land Use & UDC - October 17, 2018

PROJECT TITLE

Schroeder Road

SHEET TITLE

Typical Unit Plans

SHEET NUMBER

A-5.1

PROJECT NO.

City of Madison Fire Department

30 West Mifflin Street, 8th & 9th Floors, Madison, WI 53703-2579
Phone: 608-266-4420 • Fax: 608-267-1100 • E-mail: *fire@cityofmadison.com*

Project Address: 5614 Schroeder Rd

Contact Name & Phone #: Brian Stoddard 608-836-3690

FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

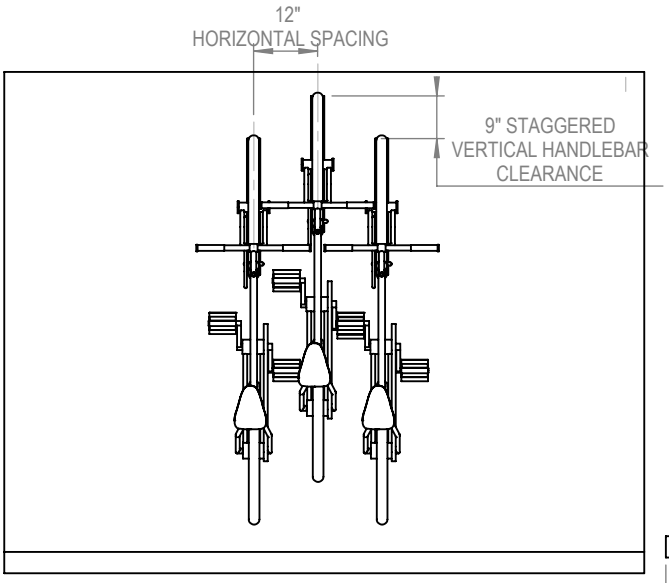
1. Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system?	☒ Yes	☐ No	☐ N/A
If non-sprinklered, fire lanes extend to within 150-feet of all portions of the exterior wall?	☐ Yes	☐ No	☐ N/A
If sprinklered, fire lanes are within 250-feet of all portions of the exterior wall?	☒ Yes	☐ No	☐ N/A
2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs?	☒ Yes	☐ No	☐ N/A
a) Is the fire lane a minimum unobstructed width of at least 20-feet?	☒ Yes	☐ No	☐ N/A
b) Is the fire lane unobstructed with a vertical clearance of at least 13½-feet?	☒ Yes	☐ No	☐ N/A
c) Is the minimum inside turning radius of the fire lane at least 28-feet?	☒ Yes	☐ No	☐ N/A
d) Is the grade of the fire lane not more than a slope of 8%?	☒ Yes	☐ No	☐ N/A
e) Is the fire lane posted as fire lane? (Provide detail of signage.)	☐ Yes	☐ No	☒ N/A
f) Is a roll-able curb used as part of the fire lane? (Provide detail of curb.)	☐ Yes	☒ No	☐ N/A
g) Is part of a sidewalk used as part of the required fire lane? (Must support +85,000 lbs.)	☐ Yes	☒ No	☐ N/A
3. Is the fire lane obstructed by security gates or barricades? If yes:	☐ Yes	☒ No	☐ N/A
a) Is the gate a minimum of 20-feet clear opening?	☐ Yes	☐ No	☐ N/A
b) Is an approved means of emergency operations installed, key vault, padlock or key switch?	☐ Yes	☐ No	☐ N/A
4. Is the Fire lane dead-ended with a length greater than 150-feet?	☐ Yes	☒ No	☐ N/A
If yes, does the area for turning around fire apparatus comply with IFC D103?	☐ Yes	☐ No	☐ N/A
5. Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 3206.6 If yes, see IFC 3206.6 for further requirements.	☐ Yes	☒ No	☐ N/A
6. Is any part of the building greater than 30-feet above the grade plane?	☒ Yes	☐ No	☐ N/A
If yes, answer the following questions:			
a) Is the aerial apparatus fire lane parallel to one entire side of the building and covering at least 25% of the perimeter?	☒ Yes	☐ No	☐ N/A
b) Is the near edge of the aerial apparatus fire lane between 15' and 30' from the building?	☐ Yes	☒ No	☐ N/A
c) Are there any overhead power or utility lines located across the aerial apparatus fire lane?	☐ Yes	☒ No	☐ N/A
d) Are there any tree canopies expected to grow across the aerial fire lane? (Based on mature canopy width of tree species)	☐ Yes	☒ No	☐ N/A
e) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet?	☒ Yes	☐ No	☐ N/A
f) Is the space between the aerial lane and the building free of trees exceeding 20' in heights?	☒ Yes	☐ No	☐ N/A
7. Are all portions of the required fire lanes within 500-feet of at least (2) hydrants?	☐ Yes	☒ No	☐ N/A
Note: Distances shall be measured along the path of the hose lay as it comes off the fire apparatus.			
a) Is the fire lane at least 26' wide for at least 20-feet on each side of the hydrants?	☒ Yes	☐ No	☐ N/A
b) Is there at least 40' between a hydrant and the building?	☒ Yes	☐ No	☐ N/A
c) Are the hydrant(s) setback no less than 5-feet nor more than 10-feet from the curb or edge of the street or fire lane?	☒ Yes	☐ No	☐ N/A
d) Are hydrants located in parking lot islands a minimum of 3½-feet from the hydrant to the curb?	☒ Yes	☐ No	☐ N/A
e) Are there no obstructions, including but not limited to: power poles, trees, bushes, fences, posts located, or grade changes exceeding 1½-feet, within 5-feet of a fire hydrant?	☒ Yes	☐ No	☐ N/A
Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.			

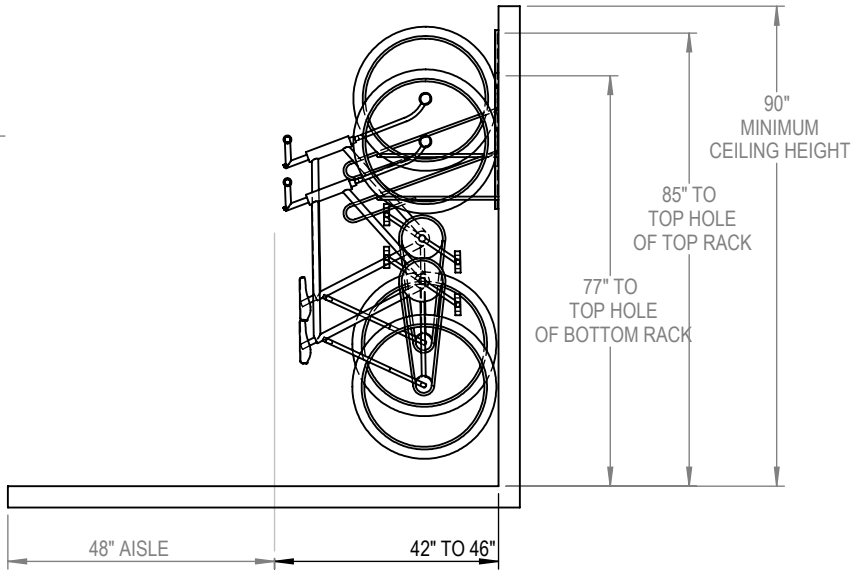
Attach an additional sheet if further explanation is required for any answers.

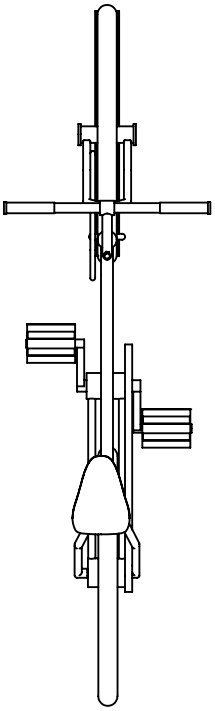
This worksheet is based on **MGO 34.503** and **IFC 2012 Edition Chapter 5 and Appendix D**; please see the codes for further information.

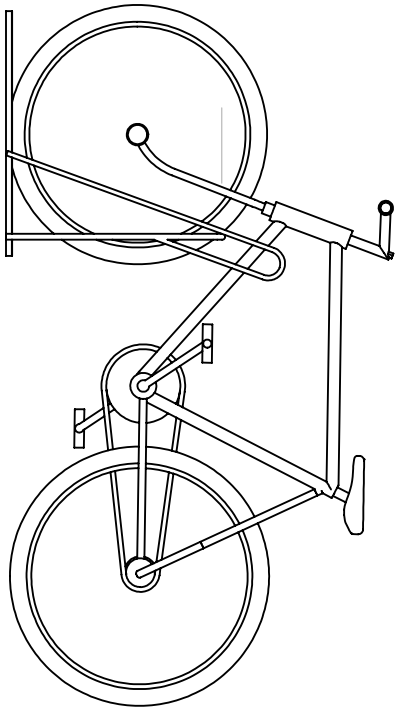
MADRAX DIVISION

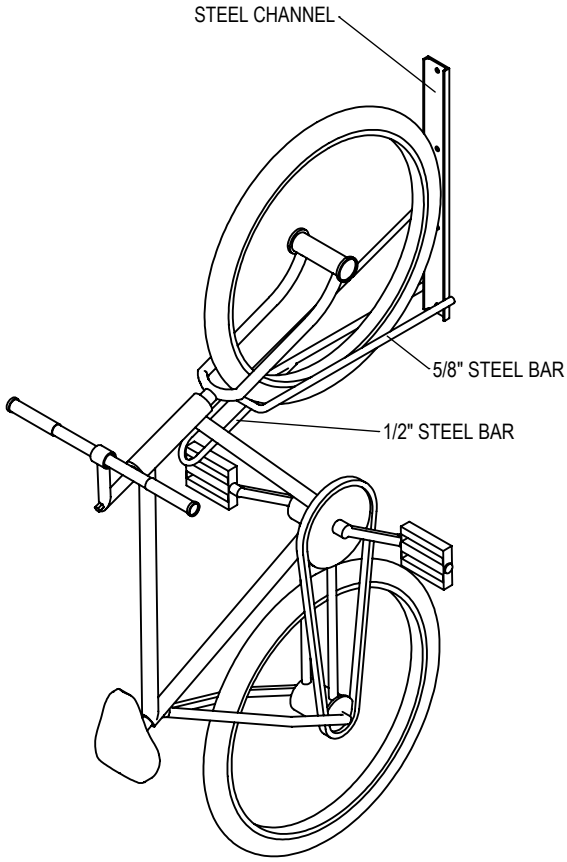
TRILARY, INC.
1080 UNIEK DRIVE
WAUNAKEE, WI 53597
P(800) 448-7931, P(608) 849-1080, F(608) 849-1081
WWW.MADRAX.COM, E-MAIL: SALES@MADRAX.COM











PRODUCT: BSV-1-WM
DESCRIPTION: BIKE STORAGE VERTICAL, 1 BIKE, WALL MOUNT

DATE: 8-7-09
ENG: BLW

NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. CONSULTANT TO SELECT COLOR(FINISH), SEE MANUFACTURER'S SPECIFICATIONS.
3. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.

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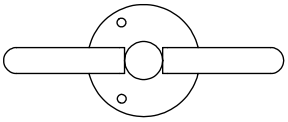
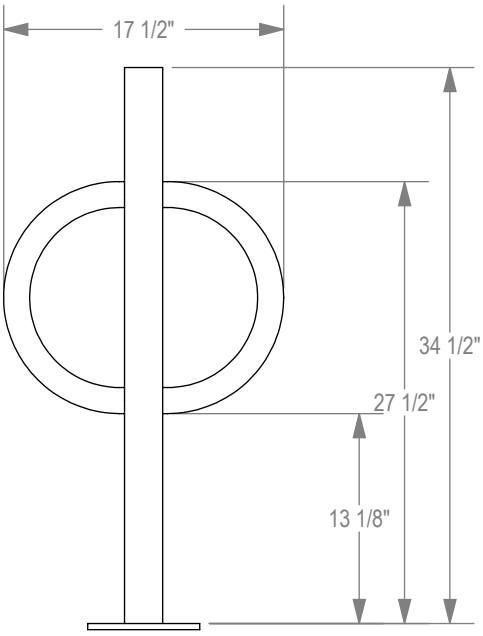
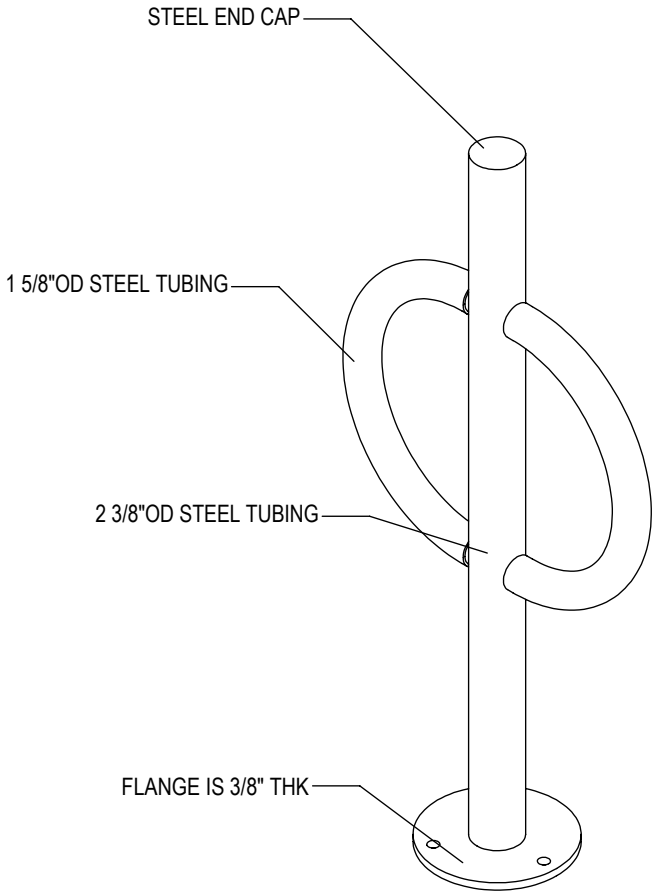
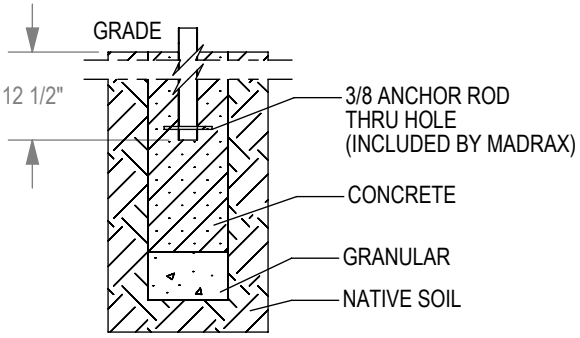


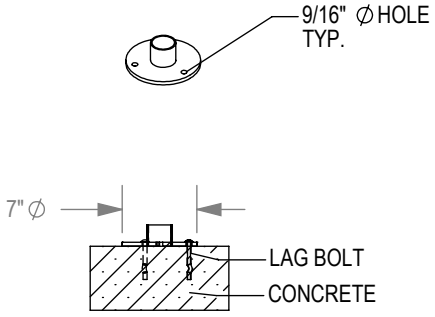




CHECK DESIRED MOUNT ☐



☐ IN GROUND MOUNT (IG)



☐ SURFACE FLANGE MOUNT (SF)

SECTION VIEWS

PRODUCT: BOL-2-SF(IG)
DESCRIPTION: BOLLARD BIKE RACK WITH FLAT CAP, TUBE STEEL ARMS
2 BIKE, SURFACE OR IN GROUND MOUNT

DATE: 8-20-12
ENG: SMC

NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. CONSULTANT TO SELECT COLOR(FINISH), SEE MANUFACTURER'S SPECIFICATIONS.
3. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.

D-Series Size 0
LED Area Luminaire

Catalog Number

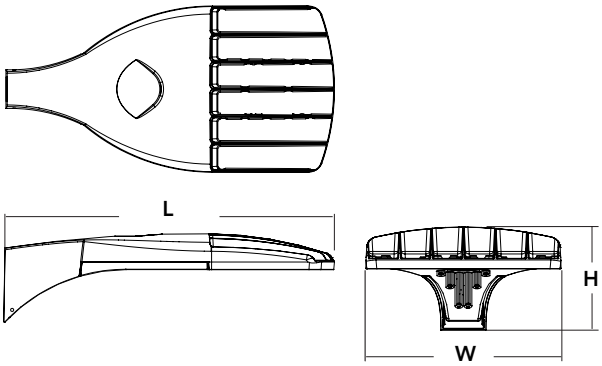
Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	0.95 ft² (.09 m²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA DDBXD

DSX0 LED

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	**Forward optics** P1 P4 P7 P2 P5 P3 P6 **Rotated optics** P10[1] P12[1] P11[1] P13[1]	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted[2]	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control[2,3] LCCO Left corner cutoff[2,3] RCCO Right corner cutoff[2,3]	MVOLT[4,5] 120[6] 208[5,6] 240[5,6] 277[6] 347[5,6,7] 480[5,6,7]	**Shipped included** SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor[8] RPUMBA Round pole universal mounting adaptor[8] **Shipped separately** KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)[9]

Control options

Shipped installed

NLTAIR2	nLight AIR generation 2 enabled[10]
PER	NEMA twist-lock receptacle only (control ordered separate)[11]
PER5	Five-wire receptacle only (control ordered separate)[11,12]
PER7	Seven-wire receptacle only (control ordered separate)[11,12]
DMG	0-10V dimming extend out back of housing for external control (control ordered separate)
PIR	Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc[5,13,14]
PIRH	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc[5,13,14]
PIRHN	Network, Bi-Level motion/ambient sensor[15]
PIR1FC3V	Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[5,13,14]
PIRH1FC3V	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[5,13,14]
BL30	Bi-level switched dimming, 30%[5,16,17]
BL50	Bi-level switched dimming, 50%[5,16,17]
PNMTDD3	Part night, dim till dawn[5,18]
PNMT5D3	Part night, dim 5 hrs[5,18]
PNMT6D3	Part night, dim 6 hrs[5,18]
PNMT7D3	Part night, dim 7 hrs[5,18]
FAO	Field adjustable output[19]

Other options

Shipped installed

HS	House-side shield[20]
SF	Single fuse (120, 277, 347V)[6]
DF	Double fuse (208, 240, 480V)[6]
L90	Left rotated optics[1]
R90	Right rotated optics[1]
DDL	Diffused drop lens[20]

Shipped separately

BS	Bird spikes[21]
EGS	External glare shield[21]

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

Ordering Information

Accessories

Ordered and shipped separately.

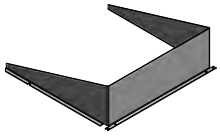
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [22]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [22]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [22]
DSHORT SBK U	Shorting cap [22]
DSX0HS 20C U	House-side shield for 20 LED unit [20]
DSX0HS 30C U	House-side shield for 30 LED unit [20]
DSX0HS 40C U	House-side shield for 40 LED unit [20]
DSX0DDL U	Diffused drop lens (polycarbonate) [20]
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish) [23]
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) [8]

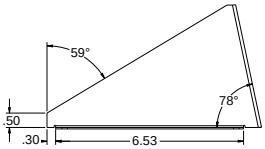
For more control options, visit DTL and ROAM online.

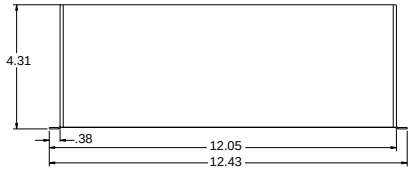
NOTES

1 P10, P11, P12 and P13 and rotated options (L90 or R90) only available together.
2 AMBPC is not available with BLC, LCCO, RCCO, P4, P7 or P13.
3 Not available with HS or DDL.
4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
5 Any PIRx with BL30, BL50 or PNMT, is not available with 208V, 240V, 347V, 480V or MVOLT. It is only available in 120V or 277V specified.
6 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
7 Not available in P4, P7 or P13. Not available with BL30, BL50 or PNMT options.
8 Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
9 Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
10 Must be ordered with PIRHN.
11 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
12 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
13 Reference Motion Sensor table on page 3.
14 Reference PER Table on page 3 to see functionality.
15 Must be ordered with NLTAIR2. For more information on nLight Air 2 visit this link.
16 Requires (2) separately switched circuits.
17 Not available with 347V, 480V or PNMT. For PER5 or PER7 see PER Table on page 3. Requires isolated neutral.
18 Not available with 347V, 480V, BL30 and BL50. For PER5 or PER7 see PER Table on page 3. Separate Dusk to Dawn required.
19 Not available with other dimming controls options.
20 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
21 Must be ordered with fixture for factory pre-drilling.
22 Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
23 For retrofit use only.

External Glare Shield

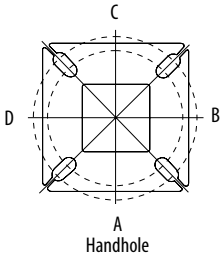




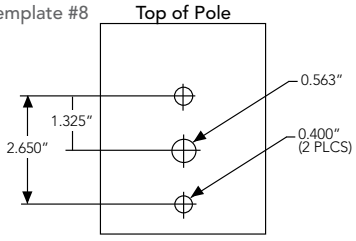


Drilling

HANDHOLE ORIENTATION



Template #8



Tenon Mounting Slipfitter **

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

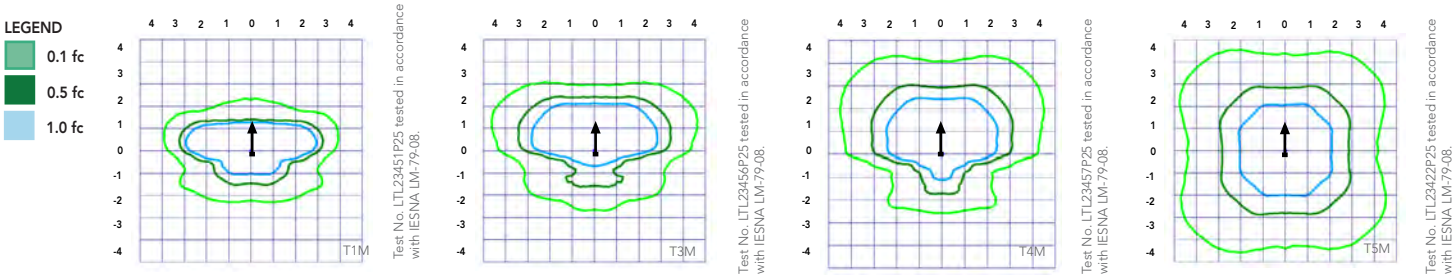
Pole drilling nomenclature: # of heads at degree from handhole (default side A)					
DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS
1 @ 90°	2 @ 280°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
Side B	Side B & D	Side B & C	Round pole only	Side B, C, & D	Sides A, B, C, D
Note: Review luminaire spec sheet for specific nomenclature					

Pole top or tenon O.D.	4.5" @ 90°	4" @ 90°	3.5" @ 90°	3" @ 90°	4.5" @ 120°	4" @ 120°	3.5" @ 120°	3" @ 120°
DSX SPA	Y	Y	Y	N	-	-	-	-
DSX RPA	Y	Y	N	N	Y	Y	Y	Y
DSX SPUMBA	Y	N	N	N	-	-	-	-
DSX RPUMBA	N	N	N	N	Y	Y	Y	N
					*3 fixtures @120 require round pole top/tenon.			

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Area Size 0 homepage.

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	25000	50000	100000
Lumen Maintenance Factor	0.96	0.92	0.85

Electrical Load

					Current (A)					
	Performance Package	LED Count	Drive Current	Wattage	120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	20	530	38	0.32	0.18	0.15	0.15	0.10	0.08
	P2	20	700	49	0.41	0.23	0.20	0.19	0.14	0.11
	P3	20	1050	71	0.60	0.37	0.32	0.27	0.21	0.15
	P4	20	1400	92	0.77	0.45	0.39	0.35	0.28	0.20
	P5	40	700	89	0.74	0.43	0.38	0.34	0.26	0.20
	P6	40	1050	134	1.13	0.65	0.55	0.48	0.39	0.29
	P7	40	1300	166	1.38	0.80	0.69	0.60	0.50	0.37
Rotated Optics (Requires L90 or R90)	P10	30	530	53	0.45	0.26	0.23	0.21	0.16	0.12
	P11	30	700	72	0.60	0.35	0.30	0.27	0.20	0.16
	P12	30	1050	104	0.88	0.50	0.44	0.39	0.31	0.23
	P13	30	1300	128	1.08	0.62	0.54	0.48	0.37	0.27

Motion Sensor Default Settings						
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min
*for use with Inline Dusk to Dawn or timer.						

PER Table						
Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✔	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	⊘	✔	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion (ROAM on/off only)	⊘	⚠	Wires Capped inside fixture	⚠	Wires Capped inside fixture	Wires Capped inside fixture
Future-proof*	⊘	⚠	Wired to dimming leads on driver	✔	Wired to dimming leads on driver	Wires Capped inside fixture
Future-proof* with Motion	⊘	⚠	Wires Capped inside fixture	✔	Wires Capped inside fixture	Wires Capped inside fixture

✔ Recommended
⊘ Will not work
⚠ Alternate

*Future-proof means: Ability to change controls in the future.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20	530	**P1**	38W	T1S	4,369	1	0	1	115	4,706	1	0	1	124	4,766	1	0	1	125	2,541	1	0	1	73
				T2S	4,364	1	0	1	115	4,701	1	0	1	124	4,761	1	0	1	125	2,589	1	0	1	74
				T2M	4,387	1	0	1	115	4,726	1	0	1	124	4,785	1	0	1	126	2,539	1	0	1	73
				T3S	4,248	1	0	1	112	4,577	1	0	1	120	4,634	1	0	1	122	2,558	1	0	1	73
				T3M	4,376	1	0	1	115	4,714	1	0	1	124	4,774	1	0	1	126	2,583	1	0	1	74
				T4M	4,281	1	0	1	113	4,612	1	0	2	121	4,670	1	0	2	123	2,570	1	0	1	73
				TFTM	4,373	1	0	1	115	4,711	1	0	2	124	4,771	1	0	2	126	2,540	1	0	1	73
				T5VS	4,548	2	0	0	120	4,900	2	0	0	129	4,962	2	0	0	131	2,650	1	0	0	76
				T5S	4,552	2	0	0	120	4,904	2	0	0	129	4,966	2	0	0	131	2,690	1	0	0	77
				T5M	4,541	3	0	1	120	4,891	3	0	1	129	4,953	3	0	1	130	2,658	2	0	0	76
				T5W	4,576	3	0	2	120	4,929	3	0	2	130	4,992	3	0	2	131	2,663	2	0	1	73
				BLC	3,586	1	0	1	94	3,863	1	0	1	102	3,912	1	0	1	103					
				LCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77					
				RCCO	2,668	1	0	1	70	2,874	1	0	2	76	2,911	1	0	2	77					
20	700	**P2**	49W	T1S	5,570	1	0	1	114	6,001	1	0	1	122	6,077	2	0	2	124	3,144	1	0	1	70
				T2S	5,564	1	0	2	114	5,994	1	0	2	122	6,070	2	0	2	124	3,203	1	0	1	71
				T2M	5,593	1	0	1	114	6,025	1	0	1	123	6,102	1	0	1	125	3,141	1	0	1	70
				T3S	5,417	1	0	2	111	5,835	1	0	2	119	5,909	2	0	2	121	3,165	1	0	1	70
				T3M	5,580	1	0	2	114	6,011	1	0	2	123	6,087	1	0	2	124	3,196	1	0	1	71
				T4M	5,458	1	0	2	111	5,880	1	0	2	120	5,955	1	0	2	122	3,179	1	0	1	71
				TFTM	5,576	1	0	2	114	6,007	1	0	2	123	6,083	1	0	2	124	3,143	1	0	1	70
				T5VS	5,799	2	0	0	118	6,247	2	0	0	127	6,327	2	0	0	129	3,278	2	0	0	73
				T5S	5,804	2	0	0	118	6,252	2	0	0	128	6,332	2	0	1	129	3,328	2	0	0	74
				T5M	5,789	3	0	1	118	6,237	3	0	1	127	6,316	3	0	1	129	3,288	2	0	1	73
				T5W	5,834	3	0	2	119	6,285	3	0	2	128	6,364	3	0	2	130	3,295	2	0	1	73
				BLC	4,572	1	0	1	93	4,925	1	0	1	101	4,987	1	0	1	102					
				LCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76					
				RCCO	3,402	1	0	2	69	3,665	1	0	2	75	3,711	1	0	2	76					
20	1050	**P3**	71W	T1S	7,833	2	0	2	110	8,438	2	0	2	119	8,545	2	0	2	120					
				T2S	7,825	2	0	2	110	8,429	2	0	2	119	8,536	2	0	2	120					
				T2M	7,865	2	0	2	111	8,473	2	0	2	119	8,580	2	0	2	121					
				T3S	7,617	2	0	2	107	8,205	2	0	2	116	8,309	2	0	2	117					
				T3M	7,846	2	0	2	111	8,452	2	0	2	119	8,559	2	0	2	121					
				T4M	7,675	2	0	2	108	8,269	2	0	2	116	8,373	2	0	2	118					
				TFTM	7,841	2	0	2	110	8,447	2	0	2	119	8,554	2	0	2	120					
				T5VS	8,155	3	0	0	115	8,785	3	0	0	124	8,896	3	0	0	125					
				T5S	8,162	3	0	1	115	8,792	3	0	1	124	8,904	3	0	1	125					
				T5M	8,141	3	0	2	115	8,770	3	0	2	124	8,881	3	0	2	125					
				T5W	8,204	3	0	2	116	8,838	4	0	2	124	8,950	4	0	2	126					
				BLC	6,429	1	0	2	91	6,926	1	0	2	98	7,013	1	0	2	99					
				LCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73					
				RCCO	4,784	1	0	2	67	5,153	1	0	2	73	5,218	1	0	2	73					
20	1400	**P4**	92W	T1S	9,791	2	0	2	106	10,547	2	0	2	115	10,681	2	0	2	116					
				T2S	9,780	2	0	2	106	10,536	2	0	2	115	10,669	2	0	2	116					
				T2M	9,831	2	0	2	107	10,590	2	0	2	115	10,724	2	0	2	117					
				T3S	9,521	2	0	2	103	10,256	2	0	2	111	10,386	2	0	2	113					
				T3M	9,807	2	0	2	107	10,565	2	0	2	115	10,698	2	0	2	116					
				T4M	9,594	2	0	2	104	10,335	2	0	3	112	10,466	2	0	3	114					
				TFTM	9,801	2	0	2	107	10,558	2	0	2	115	10,692	2	0	2	116					
				T5VS	10,193	3	0	1	111	10,981	3	0	1	119	11,120	3	0	1	121					
				T5S	10,201	3	0	1	111	10,990	3	0	1	119	11,129	3	0	1	121					
				T5M	10,176	4	0	2	111	10,962	4	0	2	119	11,101	4	0	2	121					
				T5W	10,254	4	0	3	111	11,047	4	0	3	120	11,186	4	0	3	122					
				BLC	8,036	1	0	2	87	8,656	1	0	2	94	8,766	1	0	2	95					
				LCCO	5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71					
					5,979	1	0	2	65	6,441	1	0	2	70	6,523	1	0	3	71					

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	700	**P5**	89W	T1S	10,831	2	0	2	122	11,668	2	0	2	131	11,816	2	0	2	133					
				T2S	10,820	2	0	2	122	11,656	2	0	2	131	11,803	2	0	2	133					
				T2M	10,876	2	0	2	122	11,716	2	0	2	132	11,864	2	0	2	133					
				T3S	10,532	2	0	2	118	11,346	2	0	2	127	11,490	2	0	2	129					
				T3M	10,849	2	0	2	122	11,687	2	0	2	131	11,835	2	0	2	133					
				T4M	10,613	2	0	3	119	11,434	2	0	3	128	11,578	2	0	3	130					
				TFTM	10,842	2	0	2	122	11,680	2	0	2	131	11,828	2	0	2	133					
				T5VS	11,276	3	0	1	127	12,148	3	0	1	136	12,302	3	0	1	138					
				T5S	11,286	3	0	1	127	12,158	3	0	1	137	12,312	3	0	1	138					
				T5M	11,257	4	0	2	126	12,127	4	0	2	136	12,280	4	0	2	138					
				T5W	11,344	4	0	3	127	12,221	4	0	3	137	12,375	4	0	3	139					
				BLC	8,890	1	0	2	100	9,576	1	0	2	108	9,698	1	0	2	109					
				LCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81					
				RCCO	6,615	1	0	3	74	7,126	1	0	3	80	7,216	1	0	3	81					
40	1050	**P6**	134W	T1S	14,805	3	0	3	110	15,949	3	0	3	119	16,151	3	0	3	121	6,206	2	0	2	68
				T2S	14,789	3	0	3	110	15,932	3	0	3	119	16,134	3	0	3	120	6,322	2	0	2	69
				T2M	14,865	3	0	3	111	16,014	3	0	3	120	16,217	3	0	3	121	6,201	2	0	2	68
				T3S	14,396	3	0	3	107	15,509	3	0	3	116	15,705	3	0	3	117	6,247	1	0	2	69
				T3M	14,829	2	0	3	111	15,975	3	0	3	119	16,177	3	0	3	121	6,308	2	0	2	69
				T4M	14,507	2	0	3	108	15,628	3	0	3	117	15,826	3	0	3	118	6,275	1	0	2	69
				TFTM	14,820	2	0	3	111	15,965	3	0	3	119	16,167	3	0	3	121	6,203	1	0	2	68
				T5VS	15,413	4	0	1	115	16,604	4	0	1	124	16,815	4	0	1	125	6,671	2	0	0	73
				T5S	15,426	3	0	1	115	16,618	4	0	1	124	16,828	4	0	1	126	6,569	2	0	0	72
				T5M	15,387	4	0	2	115	16,576	4	0	2	124	16,786	4	0	2	125	6,491	3	0	1	71
				T5W	15,506	4	0	3	116	16,704	4	0	3	125	16,915	4	0	3	126	6,504	3	0	2	71
				BLC	12,151	1	0	2	91	13,090	1	0	2	98	13,255	1	0	2	99					
				LCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74					
				RCCO	9,041	1	0	3	67	9,740	1	0	3	73	9,863	1	0	3	74					
40	1300	**P7**	166W	T1S	17,023	3	0	3	103	18,338	3	0	3	110	18,570	3	0	3	112					
				T2S	17,005	3	0	3	102	18,319	3	0	3	110	18,551	3	0	3	112					
				T2M	17,092	3	0	3	103	18,413	3	0	3	111	18,646	3	0	3	112					
				T3S	16,553	3	0	3	100	17,832	3	0	3	107	18,058	3	0	3	109					
				T3M	17,051	3	0	3	103	18,369	3	0	3	111	18,601	3	0	3	112					
				T4M	16,681	3	0	3	100	17,969	3	0	3	108	18,197	3	0	3	110					
				TFTM	17,040	3	0	3	103	18,357	3	0	4	111	18,590	3	0	4	112					
				T5VS	17,723	4	0	1	107	19,092	4	0	1	115	19,334	4	0	1	116					
				T5S	17,737	4	0	2	107	19,108	4	0	2	115	19,349	4	0	2	117					
				T5M	17,692	4	0	2	107	19,059	4	0	2	115	19,301	4	0	2	116					
				T5W	17,829	5	0	3	107	19,207	5	0	3	116	19,450	5	0	3	117					
				BLC	13,971	2	0	2	84	15,051	2	0	2	91	15,241	2	0	2	92					
				LCCO	10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68					
					10,396	1	0	3	63	11,199	1	0	3	67	11,341	1	0	3	68					

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Rotated Optics

LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30	530	**P10**	53W	T1S	6,727	2	0	2	127	7,247	3	0	3	137	7,339	3	0	3	138					
				T2S	6,689	3	0	3	126	7,205	3	0	3	136	7,297	3	0	3	138					
				T2M	6,809	3	0	3	128	7,336	3	0	3	138	7,428	3	0	3	140					
				T3S	6,585	3	0	3	124	7,094	3	0	3	134	7,183	3	0	3	136					
				T3M	6,805	3	0	3	128	7,331	3	0	3	138	7,424	3	0	3	140					
				T4M	6,677	3	0	3	126	7,193	3	0	3	136	7,284	3	0	3	137					
				TFTM	6,850	3	0	3	129	7,379	3	0	3	139	7,472	3	0	3	141					
				T5VS	6,898	3	0	0	130	7,431	3	0	0	140	7,525	3	0	0	142					
				T5S	6,840	2	0	1	129	7,368	2	0	1	139	7,461	2	0	1	141					
				T5M	6,838	3	0	1	129	7,366	3	0	2	139	7,460	3	0	2	141					
				T5W	6,777	3	0	2	128	7,300	3	0	2	138	7,393	3	0	2	139					
				BLC	5,626	2	0	2	106	6,060	2	0	2	114	6,137	2	0	2	116					
				LCCO	4,018	1	0	2	76	4,328	1	0	2	82	4,383	1	0	2	83					
				RCCO	4,013	3	0	3	76	4,323	3	0	3	82	4,377	3	0	3	83					
30	700	**P11**	72W	T1S	8,594	3	0	3	119	9,258	3	0	3	129	9,376	3	0	3	130					
				T2S	8,545	3	0	3	119	9,205	3	0	3	128	9,322	3	0	3	129					
				T2M	8,699	3	0	3	121	9,371	3	0	3	130	9,490	3	0	3	132					
				T3S	8,412	3	0	3	117	9,062	3	0	3	126	9,177	3	0	3	127					
				T3M	8,694	3	0	3	121	9,366	3	0	3	130	9,484	3	0	3	132					
				T4M	8,530	3	0	3	118	9,189	3	0	3	128	9,305	3	0	3	129					
				TFTM	8,750	3	0	3	122	9,427	3	0	3	131	9,546	3	0	3	133					
				T5VS	8,812	3	0	0	122	9,493	3	0	0	132	9,613	3	0	0	134					
				T5S	8,738	3	0	1	121	9,413	3	0	1	131	9,532	3	0	1	132					
				T5M	8,736	3	0	2	121	9,411	3	0	2	131	9,530	3	0	2	132					
				T5W	8,657	4	0	2	120	9,326	4	0	2	130	9,444	4	0	2	131					
				BLC	7,187	3	0	3	100	7,742	3	0	3	108	7,840	3	0	3	109					
				LCCO	5,133	1	0	2	71	5,529	1	0	2	77	5,599	1	0	2	78					
				RCCO	5,126	3	0	3	71	5,522	3	0	3	77	5,592	3	0	3	78					
30	1050	**P12**	104W	T1S	12,149	3	0	3	117	13,088	3	0	3	126	13,253	3	0	3	127					
				T2S	12,079	4	0	4	116	13,012	4	0	4	125	13,177	4	0	4	127					
				T2M	12,297	3	0	3	118	13,247	3	0	3	127	13,415	3	0	3	129					
				T3S	11,891	4	0	4	114	12,810	4	0	4	123	12,972	4	0	4	125					
				T3M	12,290	3	0	3	118	13,239	4	0	4	127	13,407	4	0	4	129					
				T4M	12,058	4	0	4	116	12,990	4	0	4	125	13,154	4	0	4	126					
				TFTM	12,369	4	0	4	119	13,325	4	0	4	128	13,494	4	0	4	130					
				T5VS	12,456	3	0	1	120	13,419	3	0	1	129	13,589	4	0	1	131					
				T5S	12,351	3	0	1	119	13,306	3	0	1	128	13,474	3	0	1	130					
				T5M	12,349	4	0	2	119	13,303	4	0	2	128	13,471	4	0	2	130					
				T5W	12,238	4	0	3	118	13,183	4	0	3	127	13,350	4	0	3	128					
				BLC	10,159	3	0	3	98	10,944	3	0	3	105	11,083	3	0	3	107					
				LCCO	7,256	1	0	3	70	7,816	1	0	3	75	7,915	1	0	3	76					
				RCCO	7,246	3	0	3	70	7,806	4	0	4	75	7,905	4	0	4	76					
30	1300	**P13**	128W	T1S	14,438	3	0	3	113	15,554	3	0	3	122	15,751	3	0	3	123					
				T2S	14,355	4	0	4	112	15,465	4	0	4	121	15,660	4	0	4	122					
				T2M	14,614	3	0	3	114	15,744	4	0	4	123	15,943	4	0	4	125					
				T3S	14,132	4	0	4	110	15,224	4	0	4	119	15,417	4	0	4	120					
				T3M	14,606	4	0	4	114	15,735	4	0	4	123	15,934	4	0	4	124					
				T4M	14,330	4	0	4	112	15,438	4	0	4	121	15,633	4	0	4	122					
				TFTM	14,701	4	0	4	115	15,836	4	0	4	124	16,037	4	0	4	125					
				T5VS	14,804	4	0	1	116	15,948	4	0	1	125	16,150	4	0	1	126					
				T5S	14,679	3	0	1	115	15,814	3	0	1	124	16,014	3	0	1	125					
				T5M	14,676	4	0	2	115	15,810	4	0	2	124	16,010	4	0	2	125					
				T5W	14,544	4	0	3	114	15,668	4	0	3	122	15,866	4	0	3	124					
				BLC	7919	3	0	3	62	8531	3	0	3	67	8639	3	0	3	67					
				LCCO	5145	1	0	2	40	5543	1	0	2	43	5613	1	0	2	44					
					5139	3	0	3	40	5536	3	0	3	43	5606	3	0	3	44					

FEATURES & SPECIFICATIONS

INTENDED USE
The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION
Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.95 ft^2) for optimized pole wind loading.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also available.

LISTINGS
UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

WST LED
Architectural Wall Sconce

Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

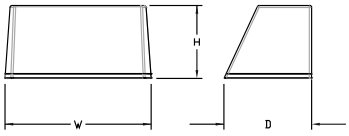
Luminaire

Height: 8-1/2″ *(21.59 cm)*

Width: 17″ *(43.18 cm)*

Depth: 10-3/16″ *(25.9 cm)*

Weight: 20 lbs *(9.1 kg)*

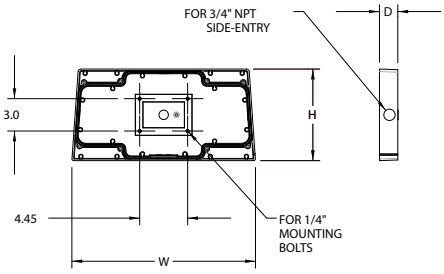


Optional Back Box (PBBW)

Height: 8.49″ *(21.56 cm)*

Width: 17.01″ *(43.21 cm)*

Depth: 1.70″ *(4.32 cm)*

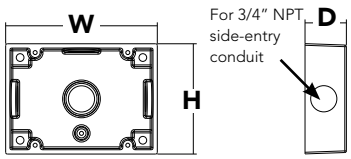


Optional Back Box (BBW)

Height: 4″ *(10.2 cm)*

Width: 5-1/2″ *(14.0 cm)*

Depth: 1-1/2″ *(3.8 cm)*



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

To learn more about A+, visit www.acuitybrands.com/aplus.

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

WST LED					
Series	**Performance Package**	**Color temperature**	**Distribution**	**Voltage**	**Mounting**
WST LED	P1 1,500 Lumen package P2 3,000 Lumen package P3 6,000 Lumen package	27K 2700 K 30K 3000 K 40K 4000 K 50K 5000 K	VF Visual comfort forward throw VW Visual comfort wide	MVOLT[1] 277[2] 120[2] 347[2] 208[2] 480[2] 240[2]	**Shipped included** (blank) Surface mounting bracket **Shipped separately** BBW Surface-mounted back box[3] PBBW Premium surface-mounted back box[3,4]

Options

PE	Photoelectric cell, button type[5]
PER	NEMA twist-lock receptacle only (controls ordered separate)[6]
PER5	Five-wire receptacle only (controls ordered separate)[6]
PER7	Seven-wire receptacle only (controls ordered separate)[6]
PIR	Motion/Ambient Light Sensor, 8-15' mounting height[7,8]
PIR1FC3V	Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc[7,8]
PIRH	180° motion/ambient light sensor, 15-30' mounting height[7,8]
PIRH1FC3V	Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc[7,8]
SF	Single fuse (120, 277, 347V)[2]
DF	Double fuse (208, 240, 480V)[2]
DS	Dual switching[9]
E7WH	Emergency battery backup, Non CEC compliant (7W)[10]
E7WC	Emergency battery backup, Non CEC compliant (cold, 7W)[10,11]
E7WHR	Remote emergency battery backup, Non CEC compliant (remote 7W)[10,12]
E20WH	Emergency battery pack 18W constant power, CEC compliant[10]
E20WC	Emergency battery pack -20°C 18W constant power, CEC compliant[10,11]
E23WHR	Remote emergency battery backup, Non CEC compliant (remote 20W)[10,11,13]
LCE	Left side conduit entry[14]
RCE	Right side conduit entry[14]

Shipped separately

RBPW	Retrofit back plate[3]
VG	Vandal guard[15]
WG	Wire guard[15]

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DSSXD	Sandstone
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white
DSSTXD	Textured sandstone

Accessories

Ordered and shipped separately.

WSTVCPBBW DDBXD U	Premium Surface - mounted back box
WSBBW DDBTX U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate

NOTES

1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
3 Also available as a separate accessory; see accessories information.
4 Top conduit entry standard.
5 Need to specify 120, 208, 240 or 277 voltage.
6 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
7 Not available with VG or WG. See PER Table.
8 Reference Motion Sensor table.
9 Not available with Emergency options, PE or PER options.
10 Not available with 347/480V.
11 Battery pack rated for -20° to 40°C.
12 Comes with PBBW.
13 Warranty period is 3-years.
14 Not available with BBW.
15 Must order with fixture; not an accessory.

Emergency Battery Operation

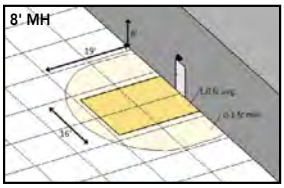
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product.

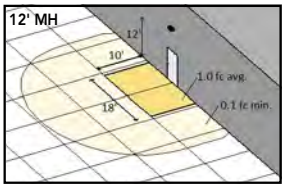
All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of NFPA 70/NEC 2008 - 700.16

The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per International Building Code Section 1006 and NFPA 101 Life Safety Code Section 7.9, provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions.

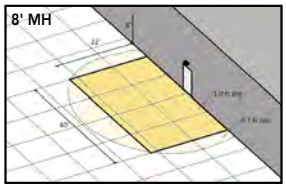
The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

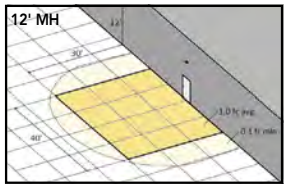
10' x 10' Gridlines
8' and 12' Mounting Height





WST LED P1 27K VF MVOLT E7WH





WST LED P2 40K VF MVOLT E20WH

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
40°C	104°F	0.98

Projected LED Lumen Maintenance

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.92	>0.87

Electrical Load

Performance package	System Watts	Current (A)					
		120	208	240	277	347	480
P1	11	0.1	0.06	0.05	0.04	---	---
	14	---	---	---	---	0.04	0.03
P1 DS	14	0.12	0.07	0.06	0.06	---	---
P2	25	0.21	0.13	0.11	0.1	---	---
	30	---	---	---	---	0.09	0.06
P2 DS	25	0.21	0.13	0.11	0.1	---	---
P3	50	0.42	0.24	0.21	0.19	---	---
	56	---	---	---	---	0.16	0.12
P3 DS	52	0.43	0.26	0.23	0.21	---	---

Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	3 sec	5 min	5 min

*for use with centrilize Dusk to Dawn

PER Table

Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	⊘	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion	⊘	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof*	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof* with Motion	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture

✓ Recommended

⊘ Will not work

⚠ Alternate

*Futureproof means: Ability to change controls in the future.

Lumen Output

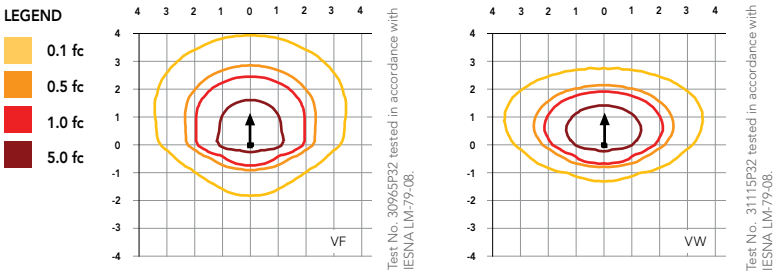
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

Performance Package	System Watts (MVOLT[1])	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	12W	VF	1,494	0	0	0	125	1,529	0	0	0	127	1,639	0	0	0	137	1,639	0	0	0	137
		VW	1,513	0	0	0	126	1,548	0	0	0	129	1,659	0	0	0	138	1,660	0	0	0	138
P2	25W	VF	3,163	1	0	1	127	3,237	1	0	1	129	3,469	1	0	1	139	3,468	1	0	1	139
		VW	3,201	1	0	0	128	3,276	1	0	0	131	3,512	1	0	0	140	3,512	1	0	0	140
P3	50W	VF	6,025	1	0	1	121	6,165	1	0	1	123	6,609	1	0	1	132	6,607	1	0	1	132
		VW	6,098	1	0	1	122	6,240	1	0	1	125	6,689	1	0	1	134	6,691	1	0	1	134

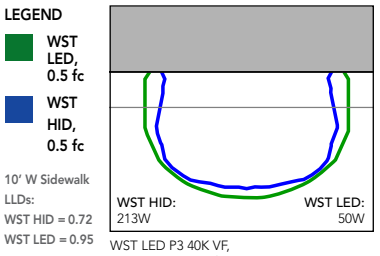
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's WST LED homepage.

Isofootcandle plots for the WST LED P3 40K VF and VW. Distances are in units of mounting height (10').



Distribution overlay comparison to 175W metal halide.



WST LED P3 40K VF,
WST 175M FT Probe, 12' Mounting Ht

FEATURES & SPECIFICATIONS

INTENDED USE
The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION
The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH
Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS
Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL
Light engine(s) consist of 98 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L87). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

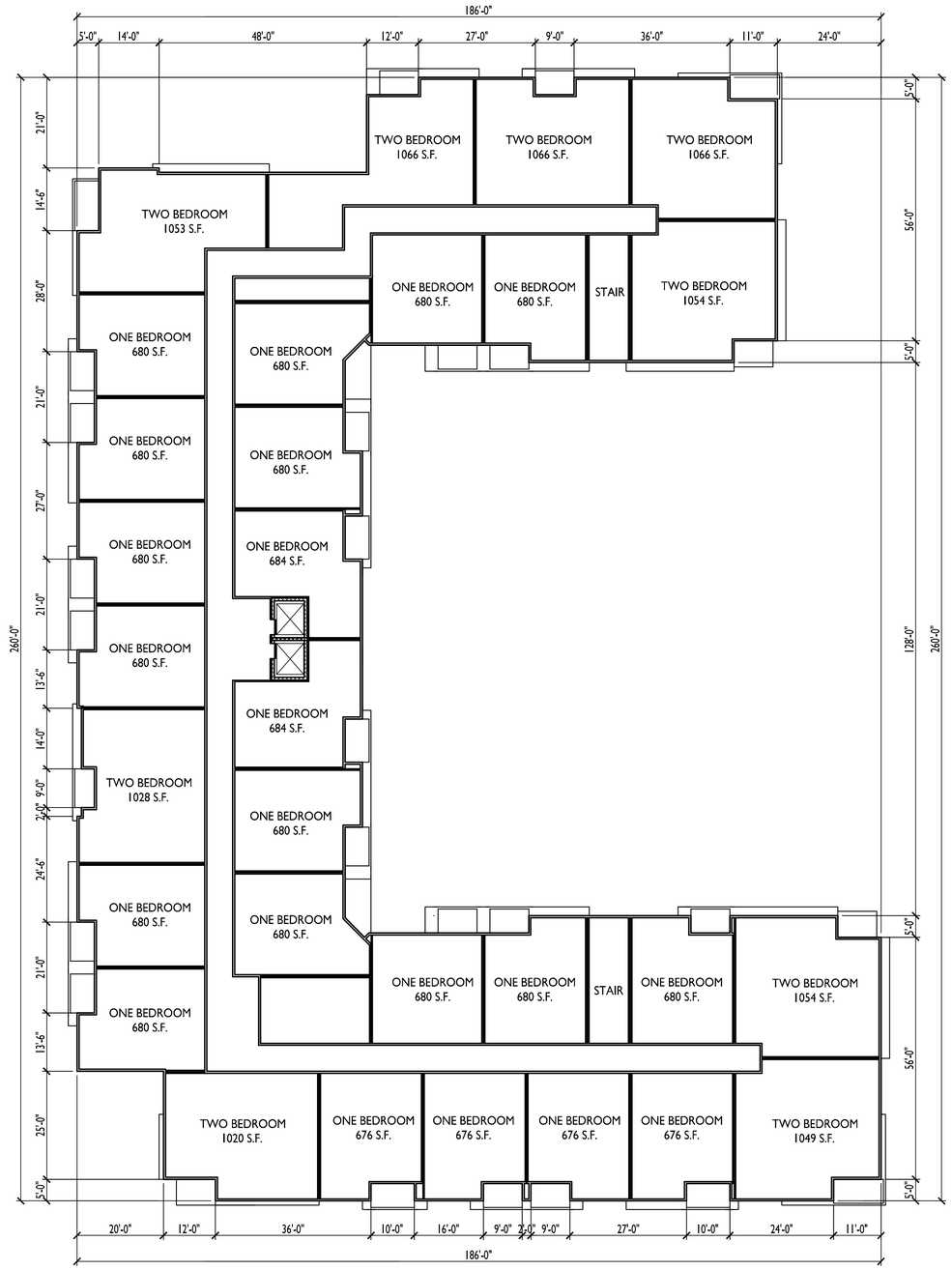
INSTALLATION
A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. PIR and back box options are rated for wet location. Rated for -30°C to 40°C ambient.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY
5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



1 / A-1.4 FOURTH FLOOR PLAN

1/16"=1'-0"

knothe bruce ARCHITECTS
Phone: 608.836.3690
7601 University Ave, Ste 201
Middleton, WI 53562

ISSUED
Issued for Land Use & UDC - October 17, 2018

PROJECT TITLE
Schroeder Road

SHEET TITLE
Fourth Floor Plan

SHEET NUMBER
A-1.4

PROJECT NO.

1 A-2.1 **West Elevation**
3/32" = 1'-0"

2 A-2.1 **South Elevation**
3/32" = 1'-0"

EXTERIOR MATERIAL SCHEDULE		
BUILDING MATERIAL	MATERIAL	COLOR
PANELS, CANOPIES	COMPOSITE	DARK BRONZE
HORIZONTAL SIDING A	COMPOSITE	HARDIE TIMBER BARK
HORIZONTAL SIDING B	COMPOSITE	HARDIE MONTEREY TAUPE
FREIZE, & WINDOW TRIM BOARDS	COMPOSITE	MATCH WITH ADJ. SIDING
FASCIA	ALUM. WRAPPED	MATCH WITH ADJ. SIDING
MASONRY VENEER	BRICK VENEER	CLOUD CERAMICS - GREYSTONE-MODULAR-VELOUR
BALCONIES & CANOPIES	COMPOSITE	MATCH WITH MONTEREY TAUPE
WINDOWS	VINYL	SAND
RAILING	ALUMINUM	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE

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knothebruce.com 608.836.3690
7601 University Ave. • Suite 201 • Middleton, WI 53562

KEY PLAN

ISSUED
ISSUED FOR LAND USE & UDC - OCTOBER 17, 2018
Issued for UDC Supplement - November 29, 2018

PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Building Elevations

SHEET NUMBER
A-2.1

PROJECT NUMBER 1851

1 A-2.2 Hidden North Elevation
3/32" = 1'-0"

2 A-2.2 East Elevation
3/32" = 1'-0"

EXTERIOR MATERIAL SCHEDULE		
BUILDING MATERIAL	MATERIAL	COLOR
PANELS, CANOPIES	COMPOSITE	DARK BRONZE
HORIZONTAL SIDING A	COMPOSITE	HARDIE TIMBER BARK
HORIZONTAL SIDING B	COMPOSITE	HARDIE MONTEREY TAUPE
FREIZE, & WINDOW TRIM BOARDS	COMPOSITE	MATCH WITH ADJ. SIDING
FASCIA	ALUM. WRAPPED	MATCH WITH ADJ. SIDING
MASONRY VENEER	BRICK VENEER	CLOUD CERAMICS - GREYSTONE-MODULAR+VELOUR
BALCONIES & CANOPIES	COMPOSITE	MATCH WITH MONTEREY TAUPE
WINDOWS	VINYL	SAND
RAILING	ALUMINUM	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE

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PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Building Elevations

SHEET NUMBER
A-2.2

PROJECT NUMBER 1851

1 A-2.3 Hidden South Elevation
3/32" = 1'-0"

2 A-2.3 North Elevation
3/32" = 1'-0"

EXTERIOR MATERIAL SCHEDULE		
BUILDING MATERIAL	MATERIAL	COLOR
PANELS, CANOPIES	COMPOSITE	DARK BRONZE
HORIZONTAL SIDING A	COMPOSITE	HARDIE TIMBER BARK
HORIZONTAL SIDING B	COMPOSITE	HARDIE MONTEREY TAUPE
FREIZE, & WINDOW TRIM BOARDS	COMPOSITE	MATCH WITH ADJ. SIDING
FASCIA	ALUM. WRAPPED	MATCH WITH ADJ. SIDING
MASONRY VENEER	BRICK VENEER	CLOUD CERAMICS - GREYSTONE-MODULAR-VELOUR
BALCONIES & CANOPIES	COMPOSITE	MATCH WITH MONTEREY TAUPE
WINDOWS	VINYL	SAND
RAILING	ALUMINUM	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE

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5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Building Elevations

SHEET NUMBER
A-2.3

PROJECT NUMBER 1851

1 A-2.4 West Elevation Color
3/32" = 1'-0"

2 A-2.4 South Elevation Color
3/32" = 1'-0"

TYPICAL MATERIALS

- FLAT LOCK METAL PANEL
- COMPOSITE SIDING AND TRIM A
- BRICK VENEER
- COMPOSITE SIDING AND TRIM B
- COMPOSITE PANEL
- ALUMINUM RAILING
- VINYL/FIBERGLASS WINDOWS
- ALUM. STOREFRONT

EXTERIOR MATERIAL SCHEDULE

BUILDING MATERIAL	MATERIAL	COLOR
PANELS, CANOPIES	COMPOSITE	DARK BRONZE
HORIZONTAL SIDING A	COMPOSITE	HARDIE TIMBER BARK
HORIZONTAL SIDING B	COMPOSITE	HARDIE MONTEREY TAUPE
FREIZE, & WINDOW TRIM BOARDS	COMPOSITE	MATCH WITH ADJ. SIDING
FASCIA	ALUM. WRAPPED	MATCH WITH ADJ. SIDING
MASONRY VENEER	BRICK VENEER	CLOUD CERAMICS - GREYSTONE-MODULAR-VELOUR
BALCONIES & CANOPIES	COMPOSITE	MATCH WITH MONTEREY TAUPE
WINDOWS	VINYL	SAND
RAILING	ALUMINUM	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE

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KEY PLAN

ISSUED
ISSUED FOR LAND USE & UDC - OCTOBER 17, 2018
Issued for UDC Supplement - November 29, 2018

PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Color Elevations

SHEET NUMBER
A-2.4

PROJECT NUMBER 1851

2 A-2.5 Hidden North Elevation Color
3/32" = 1'-0"

1 A-2.5 East Elevation Color
3/32" = 1'-0"

EXTERIOR MATERIAL SCHEDULE		
BUILDING MATERIAL	MATERIAL	COLOR
PANELS, CANOPIES	COMPOSITE	DARK BRONZE
HORIZONTAL SIDING A	COMPOSITE	HARDIE TIMBER BARK
HORIZONTAL SIDING B	COMPOSITE	HARDIE MONTEREY TAUPE
FREIZE, & WINDOW TRIM BOARDS	COMPOSITE	MATCH WITH ADJ. SIDING
FASCIA	ALUM. WRAPPED	MATCH WITH ADJ. SIDING
MASONRY VENEER	BRICK VENEER	CLOUD CERAMICS - GREYSTONE-MODULAR-VELOUR
BALCONIES & CANOPIES	COMPOSITE	MATCH WITH MONTEREY TAUPE
WINDOWS	VINYL	SAND
RAILING	ALUMINUM	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE

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KEY PLAN

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PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Color Elevations

SHEET NUMBER
A-2.5

PROJECT NUMBER 1851

1 A-2.6 **Hidden South Elevation Color**
3/32" = 1'-0"

2 A-2.6 **North Elevation Color**
3/32" = 1'-0"

EXTERIOR MATERIAL SCHEDULE		
BUILDING MATERIAL	MATERIAL	COLOR
PANELS, CANOPIES	COMPOSITE	DARK BRONZE
HORIZONTAL SIDING A	COMPOSITE	HARDIE TIMBER BARK
HORIZONTAL SIDING B	COMPOSITE	HARDIE MONTEREY TAUPE
FREIZE, & WINDOW TRIM BOARDS	COMPOSITE	MATCH WITH ADJ. SIDING
FASCIA	ALUM. WRAPPED	MATCH WITH ADJ. SIDING
MASONRY VENEER	BRICK VENEER	CLOUD CERAMICS - GREYSTONE-MODULAR-VELOUR
BALCONIES & CANOPIES	COMPOSITE	MATCH WITH MONTEREY TAUPE
WINDOWS	VINYL	SAND
RAILING	ALUMINUM	DARK BRONZE
ENTRY DOORS	ALUMINUM STOREFRONT	DARK BRONZE

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7601 University Ave. • Suite 201 • Middleton, WI 53562

KEY PLAN

ISSUED
ISSUED FOR LAND USE & UDC - OCTOBER 17, 2018
Issued for UDC Supplement - November 29, 2018

PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Color Elevations

SHEET NUMBER
A-2.6

PROJECT NUMBER 1851

A-2.7

5614 Schroeder Rd.

Southeast Perspective

Issued for UDC Supplement - November 29, 2018

kba

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A-2.8
5614 Schroeder Rd.
Southwest Perspective

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A-2.9

5614 Schroeder Rd

West Perspective

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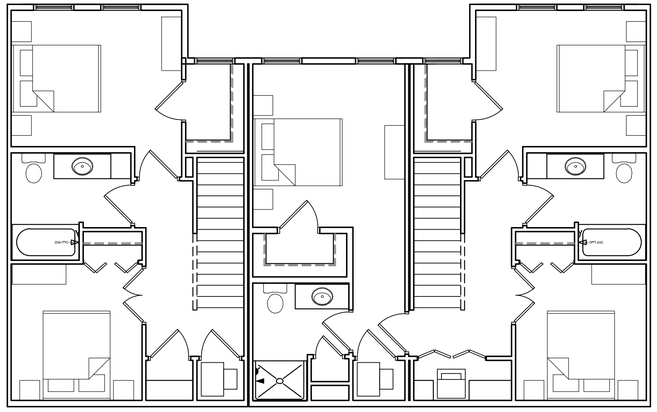
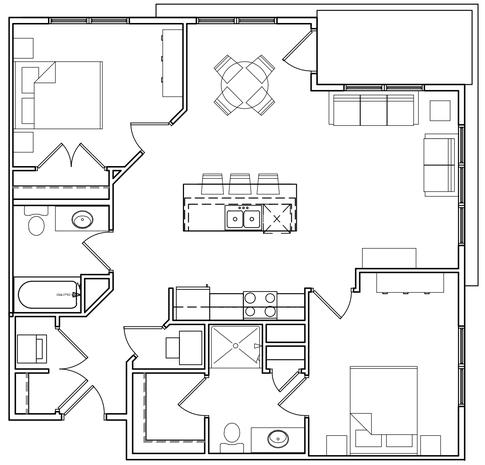


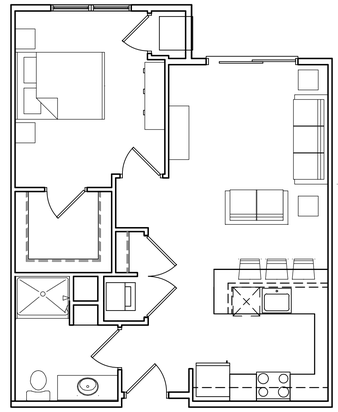
2 A-5.1 THREE BEDROOM TOWNHOUSE - UPPER

3/16"=1'-0"



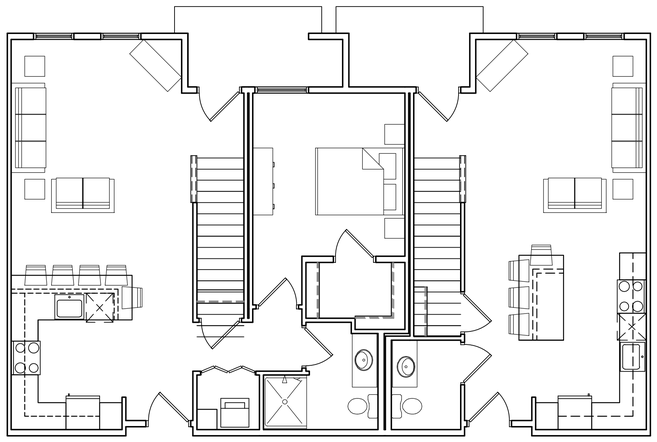
4 A-5.1 TWO BEDROOM

3/16"=1'-0"



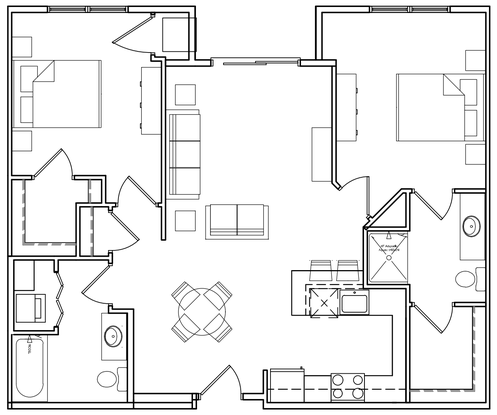
5 A-5.1 ONE BEDROOM

3/16"=1'-0"



1 A-5.1 THREE BEDROOM TOWNHOUSE - LOWER

3/16"=1'-0"



3 A-5.1 TWO BEDROOM

3/16"=1'-0"

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Issued for Land Use & UDC - October 17, 2018

PROJECT TITLE

Schroeder Road

SHEET TITLE

Typical Unit Plans

SHEET NUMBER

A-5.1

PROJECT NO.