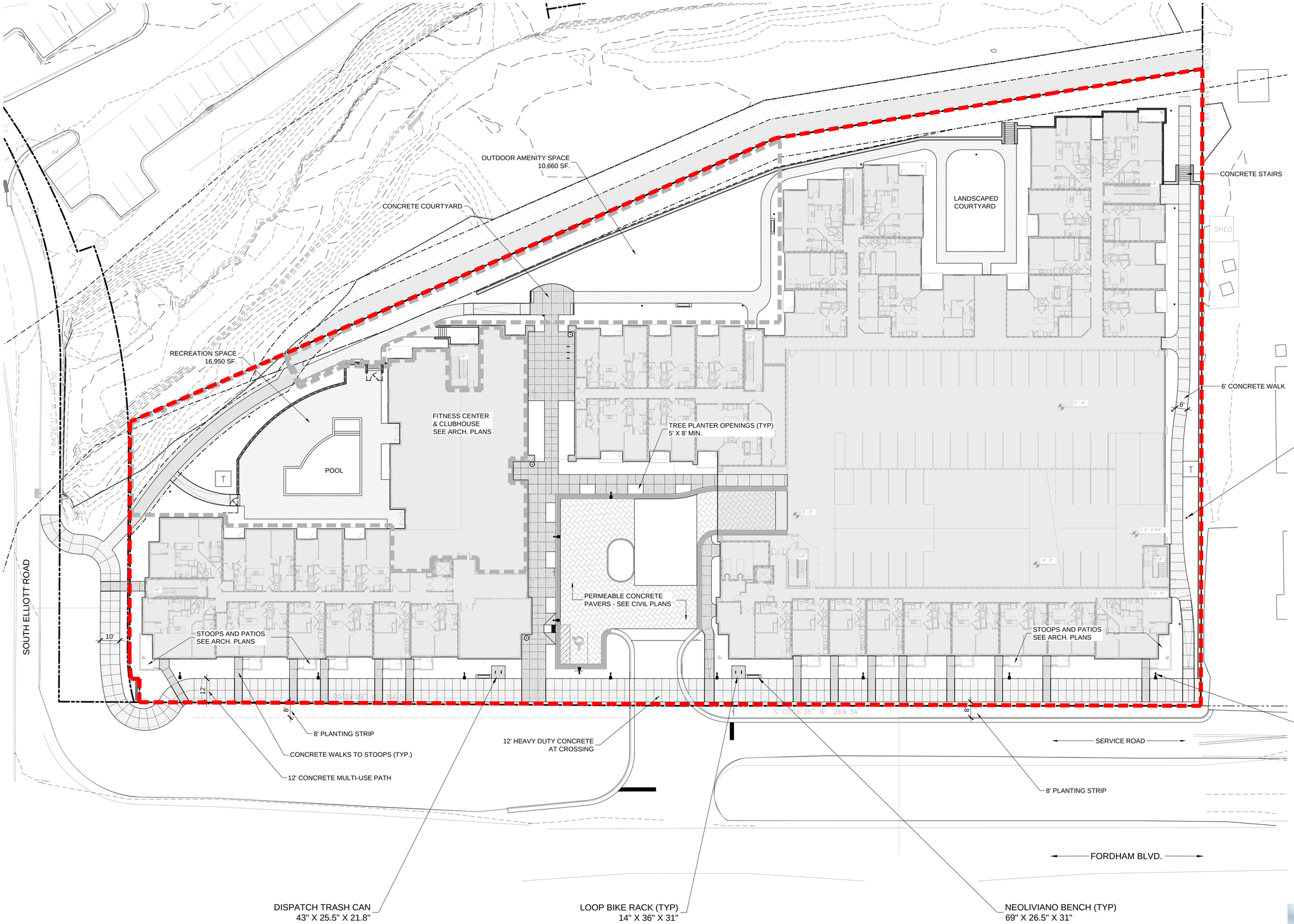

BOLLARD

LIGHT FIXTURE:
LED LIFESTYLE
14' MOUNTING HEIGHT

DISPATCH TRASH CAN
43" X 25.5" X 21.8"

LOOP BIKE RACK (TYP)
14" X 36" X 31"

NEOLIVIANO BENCH (TYP)
69" X 26.5" X 31"

20' 10' 0 20' 40'

Pedestrian Area Plan / Site Furniture 01

Scale: 1" = 20'

CLINE DESIGN

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919/833-6413
919/836-1280 FAX
ClineDesignAssoc.com

Pin: 9799245697, 9799242361

RAM REALTY SERVICES

Fordham Blvd. Apartments

1300 FORDHAM BOULEVARD
CHAPEL HILL, NORTH CAROLINA

EFD
APPLICATION

CLINE DESIGN ASSOCIATES, PA
REGISTERED ARCHITECTURAL COMPANY
CERT.NO. 494
NORTH CAROLINA
RALEIGH, N.C.

NORTH CAROLINA
REGISTERED LANDSCAPE ARCHITECT
761
JOHN C. WOOD

PROJECT: 016133
DATE: 04.21.2017
REVISIONS: DATE

DRAWN BY: SP / CT
CHECKED BY: JCW

Pedestrian Area Plan /
Site Furniture

SD1.00

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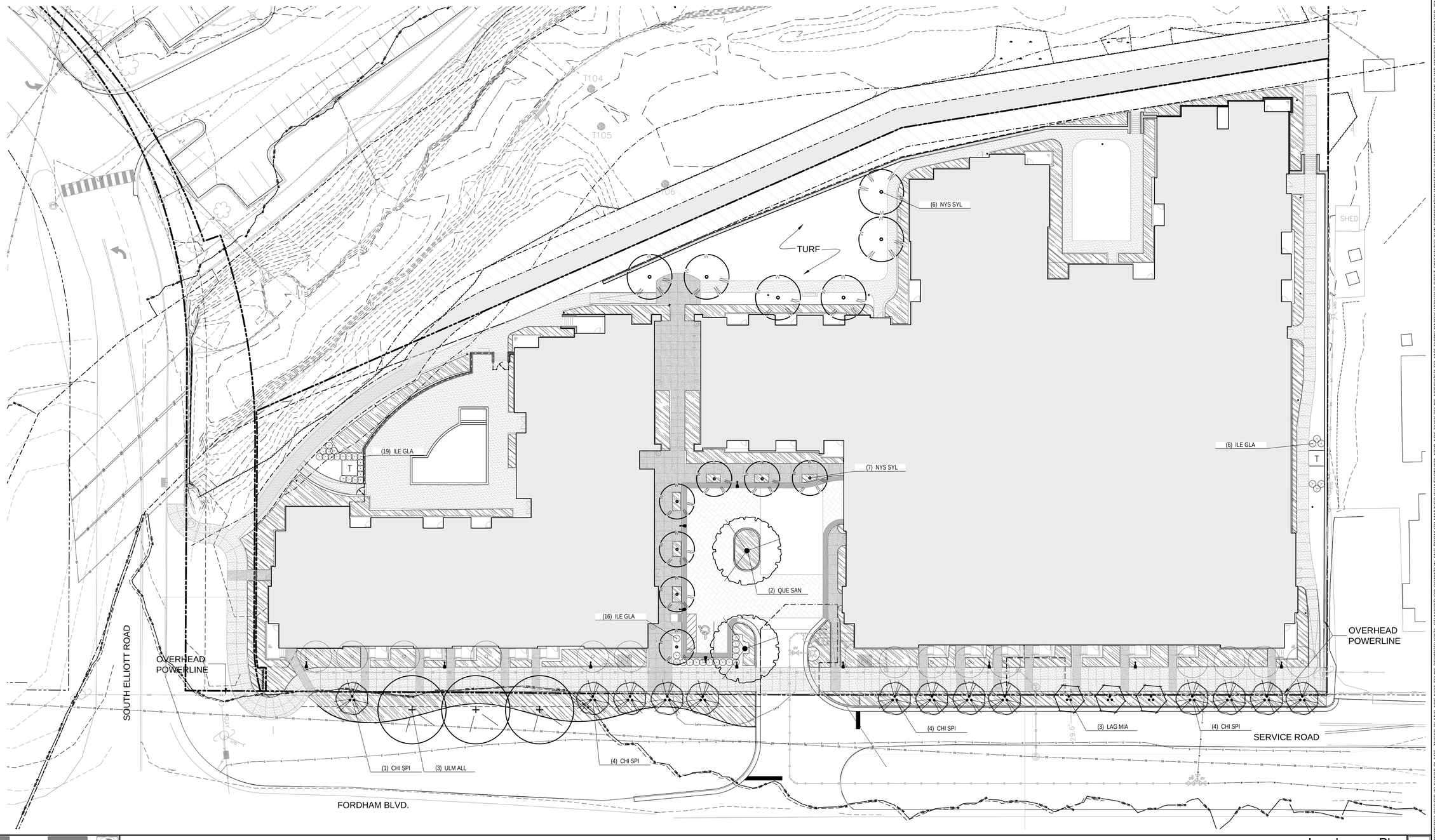

30' 15' 0 30' 60'

Landscape Plan 02

Scale: 1" = 20'

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	CAL.	HT.	SPR.
CHI SPI	13	Chionanthus retusus 'Spirit' White Fringetree** Full, Matched	2"	10'	5'
LAG MIA	3	Lagerstroemia fauriei 'Miami' Miami Crape Myrtle Full Head. Matched, Single Trunk	B & B	10–12'	5–6'
NYS SYL	13	Nyssa sylvatica Tupelo FULL	2.5"	12'–14'	5–6'
QUE SAN	2	Quercus nuttallii 'QNSTD' Sangria Nuttall Oak Full Head, Matching	2.5"	12–14'	6–7'
ULM ALL	3	Ulmus parvifolia 'UPMTF' Bosque® Lacebark Elm Full Head. Matched	3"	14–16'	7–8'

SHRUBS	QTY	BOTANICAL NAME	HT.	SPR.
ILE GLA	41	Ilex glabra Inkberry Holly Full to Ground, Matched	30–36"	24–30"

**Alternative Tree Species

Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry
Cercis canadensis 'Forest Pansy'	Forest Pansy Redbud

SHRUB AREAS	CODE	QTY	BOTANICAL NAME	CONT	HT.
	SHRUBS	15,698 sf	Typical Plant Beds Mixed Shrubs/Grouncdovers	Cont	8–36"

Landscape Schedule 03

TYPE 'B' FRONTAGE 545 LF
STREETSCAPE TREE SPACING

REQUIRED
545 LF X [1 TREE / 40LF] = 14 CANOPY TREES
PROPOSED
PER DES. ALT #2 3 CANOPY TREES
& 16 ORNAMENTAL TREES

Landscape Calculations 01

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CHECKED BY: JCW

Landscape Plan
Plan

LP1.00

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Landscape Maintenance Plan

THE OWNERS OF THE PROPERTY AND THEIR AGENTS, HEIRS OR ASSIGNS SHALL BE RESPONSIBLE FOR THE INSTALLATION, PRESERVATION AND MAINTENANCE OF ALL PLANTINGS AND PHYSICAL FEATURES SHOWN ON THIS PLAN. THE OWNERS SHALL BE RESPONSIBLE FOR ANNUAL MAINTENANCE OF THE VEGETATION TO INCLUDE BUT NOT LIMITED TO:

A. Fertilization: Avoid any nitrogen fertilization of cool-season grasses, such as tall fescue, after the February application until September. Fertilize lawns three times per year September 15, October 31, and February 15 according to soil test. Fertilize warm season grasses once during growing season per soil test.

B. Pruning: Purpose of pruning is to improve heath and vigor of woody plants, adjustments to the foliage and branching density for visual screens and managing competition, and improving the appearance of trees and shrubs. Pruning shall be limited to removal of dead wood or branches for trees or for sight distances/safety reasons for the first year. The ANSI A300 Tree Care Operations standards should be adhered to. The pruning of shrubs shall be limited to the pruning necessary to maintain the natural shape of the plant except for sheared hedges.

1. Shrubs in buffers allowed to remain full to ground and 6'-8' height.
2. Shrubs in streetscape buffer trimmed to continuous soft hedges below trees.
3. Shrubs in planting islands kept trimmed to 36" maximum height.

C. Pest Control: Pre-emergent weed control for lawns and shrub beds may be applied in February. Chemical treatment for insect infestation and disease may be applied and shall be specific to the problem.

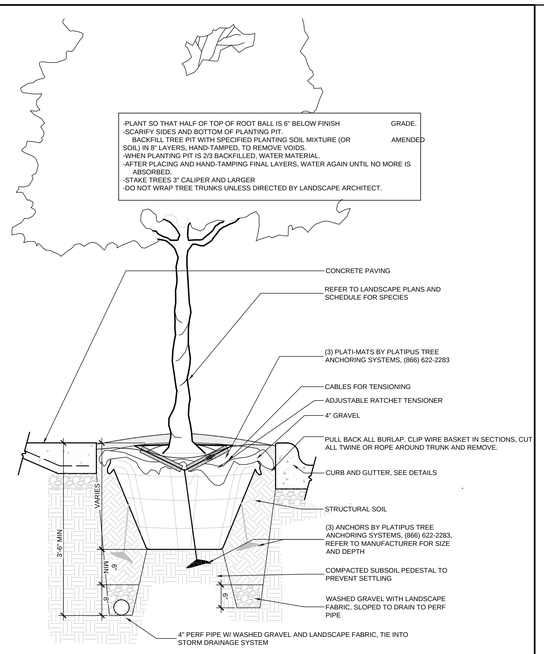
D. Mulching: Mulching shall be maintained at a depth of 2"-3" in plant beds. Mulch shall be reapplied every year.

E. Mowing primary fescue lawns shall be maintained at a height of 3". Secondary turf areas may be maintained higher and less frequently. Warm season grasses shall be mowed as needed during the growing season to maintain the recommended height of the species of turf grass.

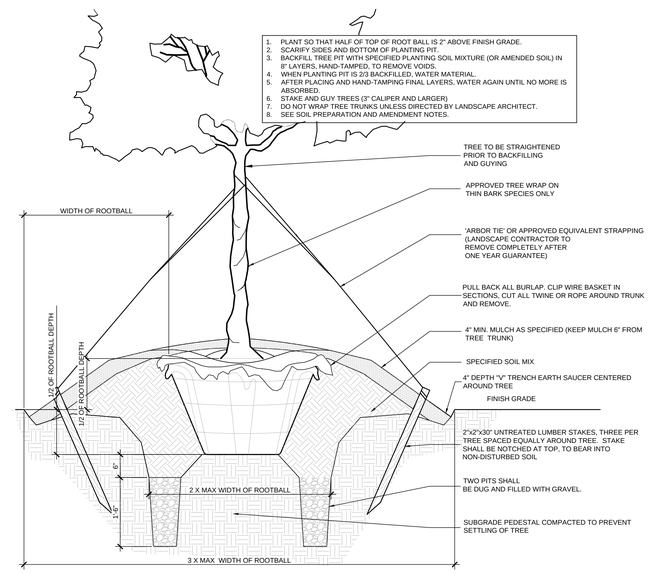
F. Plant protection: Avoid excess intrusion into the root zone area of established plantings. Install tree protection fencing as shown during construction.

G. Watering: If any irrigation system is utilized, the system shall be regulated to provide approximately 1" of rainfall per week during the growing season.

LANDSCAPE MAINT. PLAN 07

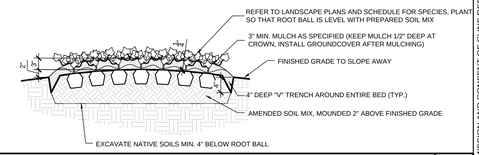


Tree Pit Planting 05
Scale: 3/4" = 1'-0"



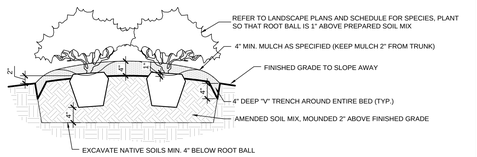
Typical Tree Planting 04
Scale: 3/4" = 1'-0"

GENERAL NOTES:
1. THOROUGHLY TILL IN PLANTING MIXTURE AMENDMENTS TO A MIN. DEPTH OF 12" IN ENTIRE BED AREA.
2. WORK SOIL TO A LOOSE, UNIFORM TEXTURE.
3. HAND-TAMP BACKFILL TO REMOVE VOIDS/AIR POCKETS.
4. WATER IMMEDIATLY AFTER INSTALLATION UNTIL NO MORE WATER IS ABSORBED.
5. SEE SOIL PREPARATION AND AMENDMENT NOTES



TYPICAL GROUNDCOVER PLANTING 03

GENERAL NOTES:
1. PLANT SO THAT TOP OF ROOT BALL IS 1" ABOVE FINISH GRADE.
2. SCARIFY SIDES AND BOTTOM OF PLANTING PIT.
3. BACKFILL PLANTING PIT WITH SPECIFIED PLANTING SOIL MIXTURE (OR AMENDED SOIL) IN 6" LAYERS, HAND-TAMPED, TO REMOVE VOIDS.
4. WHEN PLANTING PIT IS 2/3 BACKFILLED, WATER MATERIAL.
5. AFTER PLACING AND HAND-TAMPING FINAL LAYERS, WATER AGAIN UNTIL NO MORE IS ABSORBED.
6. ROOTBALL IS TO BE DISTURBED SO THAT ROOTS WILL GROW OUT INTO SOIL MIX
7. SEE SOIL PREPARATION AND AMENDMENT NOTES



Typical Shrub Platning 02

Landscape Planting Notes

1. Verification of total landscape material quantities as shown on the landscape plans and in the plant list shall be the responsibility of the landscape contractor. The landscape architect shall be notified of any discrepancies prior to final bidding or installation.
2. All landscape materials shall conform to the most recent American Standards for Nursery Stock established by the American Association of Nurserymen (A.A.N.).
3. Soil analysis shall be obtained by landscape contractor prior to planting. Results shall be submitted to Landscape Architect. Soil shall be amended as recommended.
4. Shrub bed area preparation is highly preferred to individually dug holes.
5. Trees with root flare covered by more than 1.5" of soil will be rejected prior to installation.
6. Landscape material placed in prepared holes shall be properly backfilled prior to the end of the working day.
7. All saucers shall be soaked with water and mulched immediately following installation.
8. All prepared ground cover and annual bed installations shall be properly soaked and mulched prior to the end of the day.
9. Landscape Architect shall approve any on-site plant storage area for accessibility, shade conditions, healing-in mulch material and temporary watering methods.
10. Lift and set the tree by root ball only. Do not lift using the tree trunk. Do not use tree trunk as a lever.
11. All root balls removed from containers shall be scarified by hand prior to placement and back filling with prepared soils. Hand tools are not to be used to scarify root balls.
12. All rope and wrapping twine shall be cut and removed from around the upper parts of the root ball. Metal basket wires and burlap shall be pulled back and tucked under the edges of the saucer rings on all trees and large shrubs. All synthetic burlap shall be removed from plant balls prior to back filling.
13. All plant beds or raised saucer rings shall be edged with smooth, continuous curves.
14. All plant material shall be planted at heights as illustrated in plant details.
15. Tree guying shall be performed within a week of planting. The landscape contractor shall be responsible for removing all tree guying strapping and stakes after the first full growing season or one year, which ever comes first.
16. B & B as listed under "root" in the plant list indicates balled and burlapped.
17. Contractor shall verify locations of underground utilities prior to planting. Any exposed or uncovered lines shall be shown to general contractor prior to backfilling.
18. All plant beds and raised saucer rings shall be graded to provide adequate drainage and shall be mulched as specified.
19. All materials, planting and landscape work shall conform to the current municipal authority's standard specifications and details.
20. All landscape areas that are not planted and mulched or paved shall be seeded or sodded per owner's direction with rebel IV turf type tall fescue, unless otherwise noted.
21. Tree protection fence shall be installed, inspected and approved prior to the issuance of any grading or other permits.
22. First year pruning of tree crown shall be limited to removal of dead & damaged wood.
23. The owner shall be responsible for the maintenance of all required landscaping by keeping lawns mowed, all plants maintained as disease free, all planting beds groomed and kept weed free (except in areas of preserved existing natural vegetation i.e. thickets) and kept them free from trash, debris and other materials.
24. The owner shall be responsible for the replacement of any required planting, which is removed or dies after the date of planting. Such replacement shall occur during the next planting season, and the replacement of any tree in a Tree Save Area, which is removed or dies after the date of approval of a Landscape Preservation Landscape Plan, such replacement shall occur during the next planting season.
25. Upon establishment of finished grades and prior to beginning installation of any trees, a soil amendment schedule for all tree plantings shall be prepared by a Registered Landscape Architect.
26. Prior to the issuance of a Certificate of Occupancy,, a certified statement shall be provided to town staff attesting to the fact that the soil amendment schedule was followed as specified in the approved site and/or subdivision plan. This statement shall be certified by a Registered Landscape Architect , certified arborist, or other specialist as determined acceptable by the Planning Director.
27. All shrubs installed as vehicular use screening will be maintained as a continuous hedge at a minimum height of 36 inches.
28. All mechanical equipment, waste disposal facilities, and vehicular use areas (drives and parking) shall be screened from public view.
29. Where existing or proposed vegetation fails to function adequately as required, tthe Landscape Architect reserves the right to require supplemental plantings in addition to those shown on the landscape plan based on actual field conditions.
30. The size of the planting area and of plant material at maturity shall allow for a two and one-half feet wide bumper overhang measured from the back of curb.
31. No trees shall be located within a roadway right-of-way, within five feet of a sidewalk, or within ten feet of a lighting location.
32. All plant material installed within a sight distance maintenance easement shall be maintained at a height above six feet or below two feet.
33. All above-ground equipment associated with on-site electric, cable, telephone, gas or similar utility shall be located to the side or rear of the site and be screened, to the extent practical, with evergreen plants. Plantings shall allow a minimum of five feet clearance around the structure with ten feet clearance on any side containing a door to allow access for maintenance. The clearances shall account for the mature size of the plant material.

Soil Preparation and Amendment Notes

1. Soil samples shall be taken and submitted for soil analysis to the NCDA & CS, 4300 Reedy Creek Rd., Raleigh NC, 27607-6465
2. Per recommendation of soils report; landscape contractor to supplement soil with lime, macronutirents and micronutrients.
3. Contractor to amend soil with organic material and/or sand to yield the final soil ratio:
   - 33.3% Sand/Silt
   - 33.3% Clay
   - 33.3% Organic Material *
   - * Organic material to be Compost made solely from plant-based products. Peat moss is allowed in sandy soils
4. Native soil, Lime, Nutrients and Amendments to be tilled to a minimum width of 3-5 x root ball for trees. Shrub and groundcover planting areas shall be tilled to a minimum 4" below rootball or a minimum 12" deep.

Landscape Notes 06

Not In Use 01

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Pin: 9799245697, 9799242361

RAM REALTY SERVICES
Fordham Blvd. Apartments
1300 FORDHAM BOULEVARD
CHAPEL HILL, NORTH CAROLINA

EFD APPLICATION

CLINE DESIGN ASSOCIATES, PA
REGISTERED ARCHITECTURAL FIRM
CERT.NO. 494
NORTH CAROLINA
RALEIGH, N.C.

NORTH CAROLINA
REGISTERED LANDSCAPE ARCHITECT
761
JOHN C. WOOD

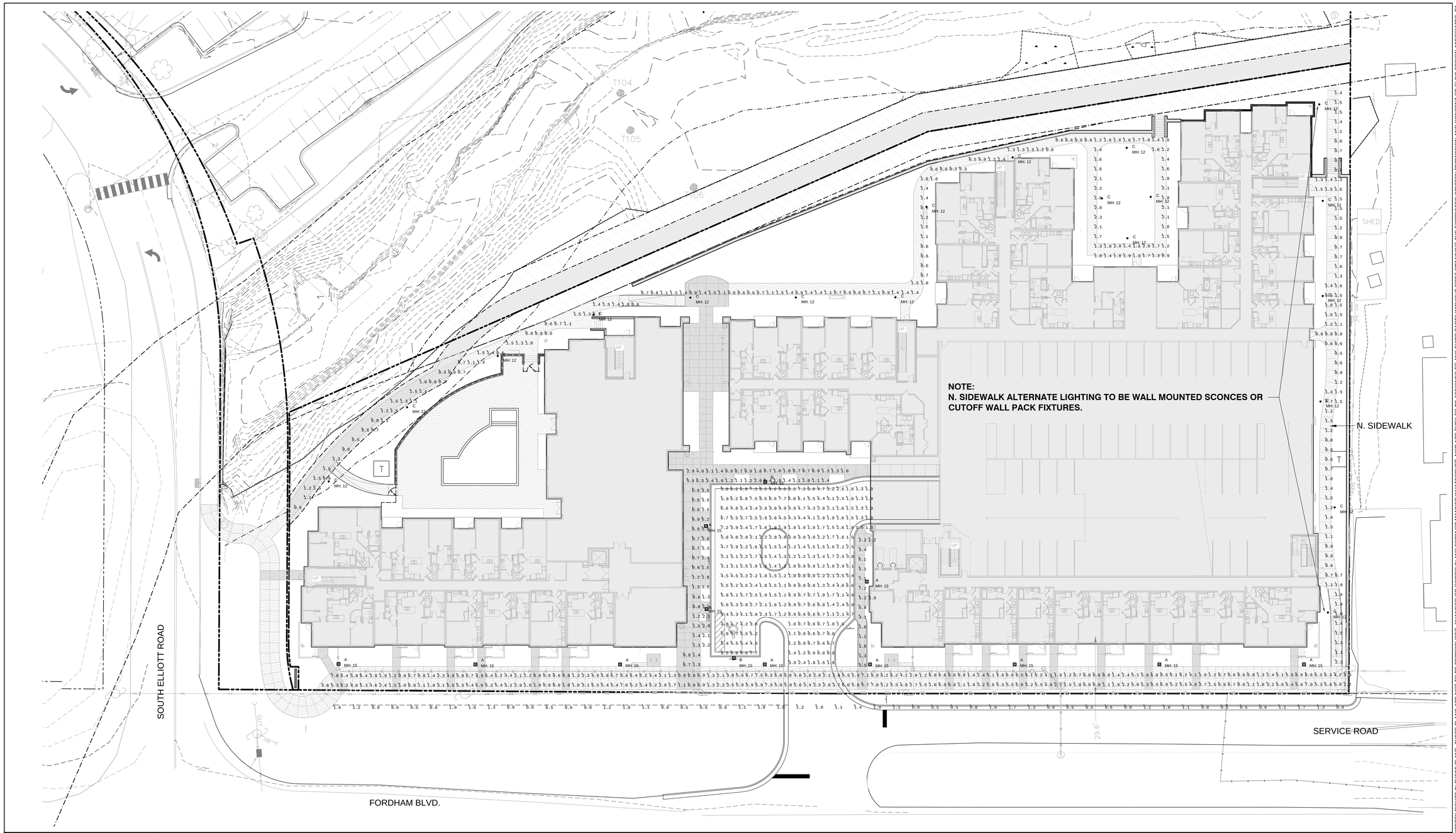
PROJECT: 016133
DATE: 04.21.2017

REVISIONS:	DATE

DRAWN BY: SP / CT
CHECKED BY: JCW

Landscape Details

LP2.00



Lighting Plan 02

Scale: 1" = 20'

FIXTURES TYPE C - NOMINAL 12'-0" MOUNTING HEIGHT TO TOP OF MTR COLUMN

LED LIFESTYLE SMALL DECORATIVE AREA LIGHTS (XDLS) TYPE A & B FIXTURES MTR COLUMN LED

FIXTURES MOUNT ON 15'-0" ROUND STRAIGHT POLES - TOP OF FIXTURE MOUNTING HEIGHT (MH) 15'-0"

LIGHT OUTPUT - XDLS		Lumens (Nominal)			Watts (Nominal)
		Type 3	Type FT	Type 5	
Cool White	SS	7100	6540	6220	71
	HO	9600	8900	8530	106
Neutral White	SS	6510	5840	5580	71
	HO	8810	7890	7780	106
Warm White	SS	4790	5170	5010	71
	HO	6460	6880	6740	106

LED Chips are frequently updated therefore values may increase.

Lighting Fixtures 03

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Description	LLF	Lum. Watts	Lum. Lumens
	10	A	SINGLE	XDLS-3-LED-SS-NW	0.890	71.4	6511
	4	B	SINGLE	XDLS-FT-LED-SS-NW	0.890	70.7	5846
	19	C	SINGLE	MTRTL-12-3-4L35-40-120	0.890	89.9	6678

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
12'-0 sidewalk	Illuminance	Fc	3.80	9.3	0.6	6.33	15.50
curb	Illuminance	Fc	1.02	1.9	0.5	2.04	3.80
entrance sidewalk_left	Illuminance	Fc	2.06	8.2	0.5	4.12	16.40
entrance sidewalk_right	Illuminance	Fc	3.81	7.2	1.0	3.81	7.20
north sidewalk	Illuminance	Fc	1.13	2.3	0.5	2.26	4.60
parking area	Illuminance	Fc	2.51	9.6	0.5	5.02	19.20
west sidewalk	Illuminance	Fc	1.20	2.3	0.2	6.00	11.50

Lighting Schedule and Calculations 01

MB Widerman & Associates
Mike Langsdorf
495 Arbor Hill Rd., Kernersville, NC
Ph. 336-993-6292 Mobile 336-817-5230
e-mail: mikel@mbw-a.com
www.mbw-a.com

DISCLAIMER: — CALCULATED VALUES:

Calculations have been preformed according to IESNA & CIE standards and good practice.

Some differences between measured values and calculated results may occur due to changes in the provided information and tolerances in the calculation methods, testing procedures, component performance, measuring techniques and field conditions such as voltage and temperature variations.

Input data used to generate the attached calculations such as room dimensions, reflectance's, furniture and furniture architectural elements significantly affect the lighting calculations.

If the real environment conditions do not match the input data furnished provided, such as differences in luminaire locations, area geometry including elevation differences, reflective properties of surrounding surfaces, obstructions or lighting from other sources other than listed in layouts, differences will occur between measured values and calculated values.

DISCLAIMER: — ENERGY USAGE:

Unit Power Densities are provided for reference only and do not represent any statement of compliance to state or local energy codes.

Fixture input wattage is determined at the time of testing (included in the IES file per ANSI guideline) unless otherwise requested.

If a maximum space energy limit was provided at the time of request, average illuminance values may have been sacrificed to achieve compliance with the energy limit.

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Lighting Plan

LT1.00

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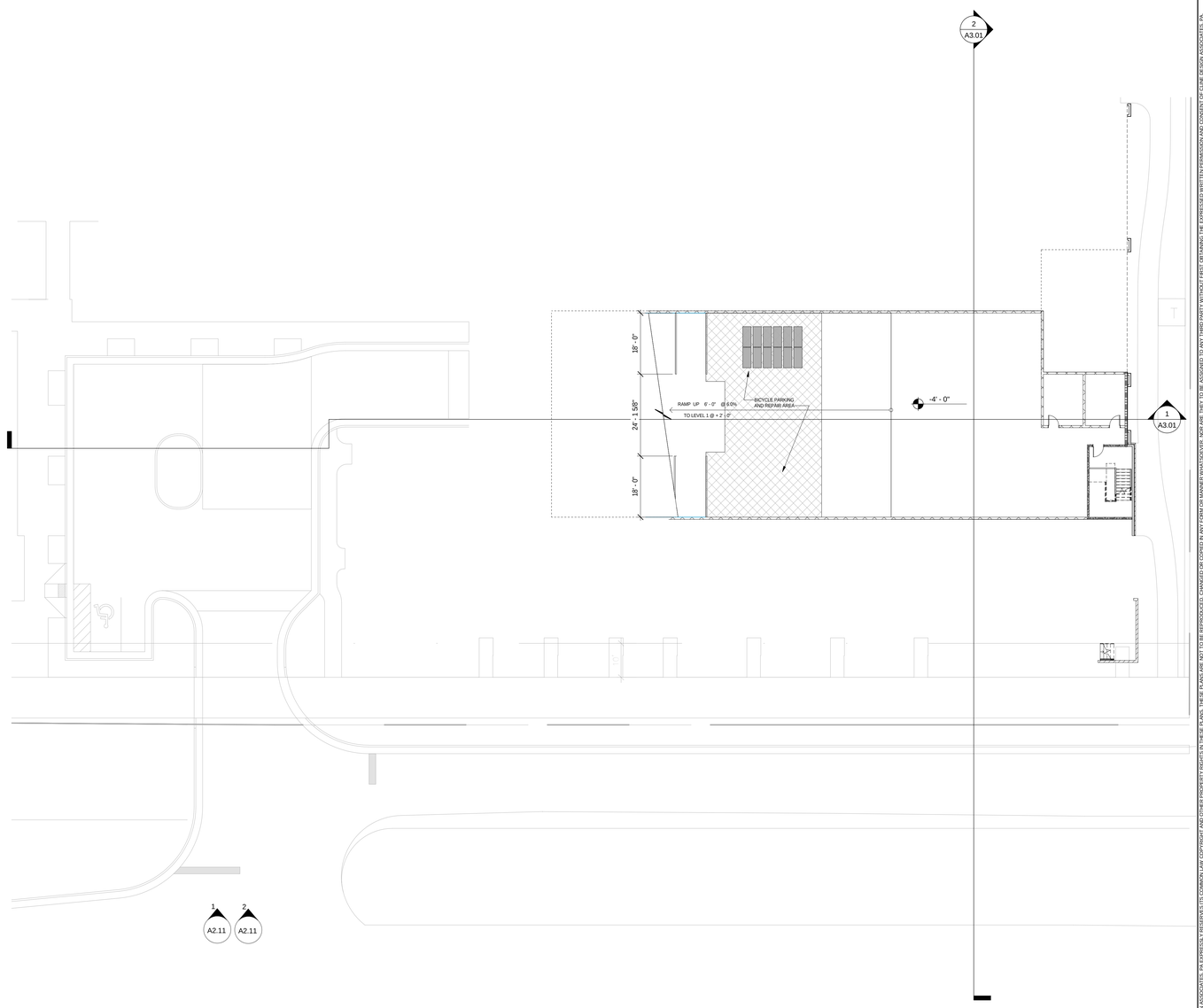

00 Ground Floor - Parking 1

1/16" = 1'-0"

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PARKING LEVEL

A1.00

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4/19/2017

Days Inn Redevelopment

Chapel Hill, NC

BUILDING DATA

Unit Type	Description	Unit Size Net SF	# of Units	Total Unit Type % Mix	Individual Unit % Mix	Total Net SF	% HSF	Total % HSF
S1	Open 1 BR	541	39	24.2%	13%	19,476	9%	17%
S2	Open 1 BR	608	30		11%	18,240	8%	
Studios Total			66					
A1	1 Bedroom (small)	662	27	43.2%	14%	24,494	11%	38%
A1 - L	1 Bedroom (large)	724	69		25%	49,956	22%	
A4	1 Bedroom (knuckle)	924	12		4%	11,088	5%	
1 BR Total			118					
B1	2 Bedrooms (small)	968	6	32.6%	2%	5,808	3%	45%
B1 - L	2 Bedrooms (large)	1,067	18		7%	19,206	9%	
B2	2 Bedrooms (corner)	1,075	51		19%	54,825	25%	
B4	2 Bedrooms/den (knuckle)	1,435	14		5%	20,090	9%	
2 BR Total			89					
Totals			273	100%		223,183		100%
	Avg. Unit Size	818						

01 First Floor 1 1/16" = 1'-0"

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1ST FLOOR PLAN

A1.01

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2ND FLOOR PLAN

A1.02

02 Second Floor 1

1/16" = 1'-0"

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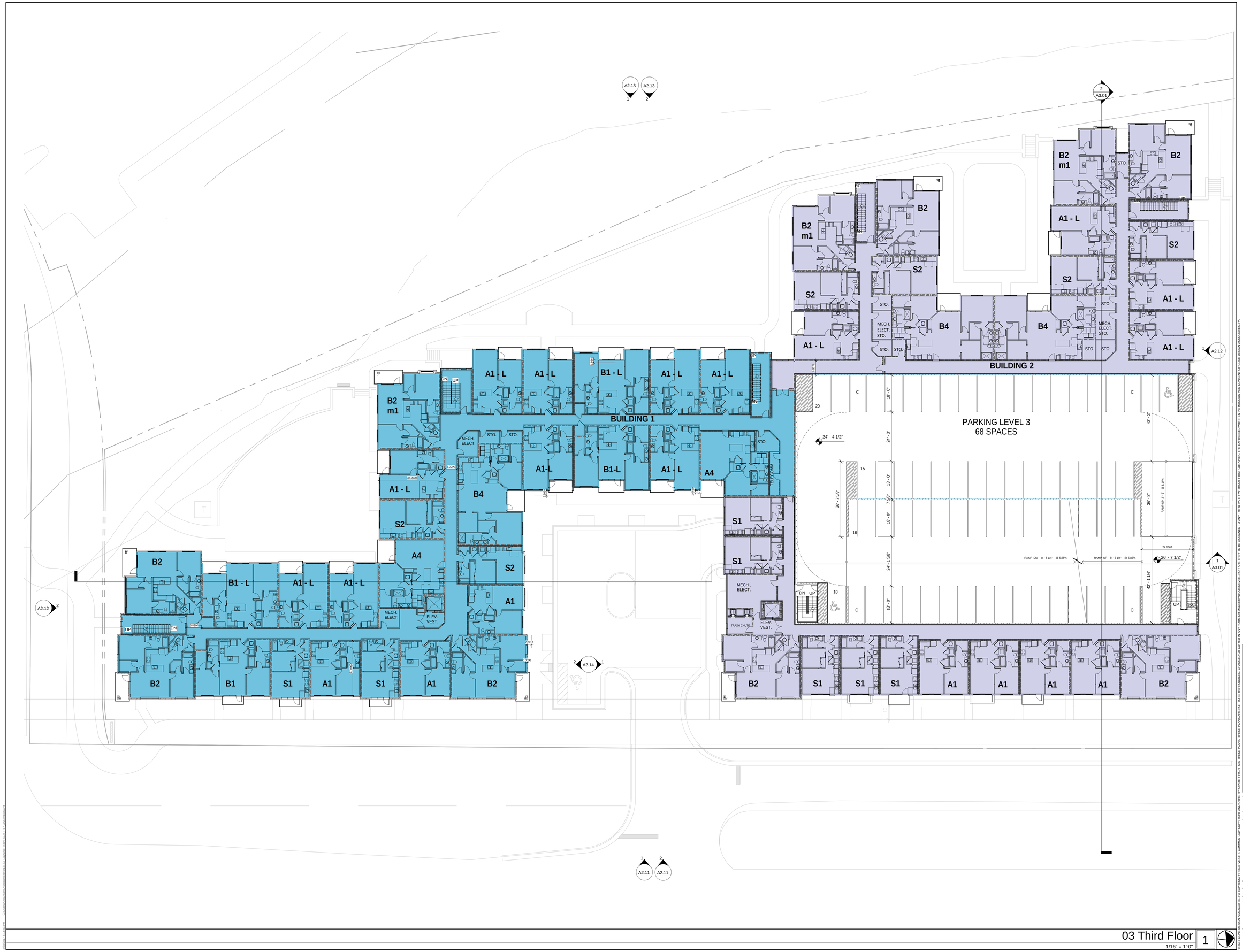

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3RD FLOOR PLAN

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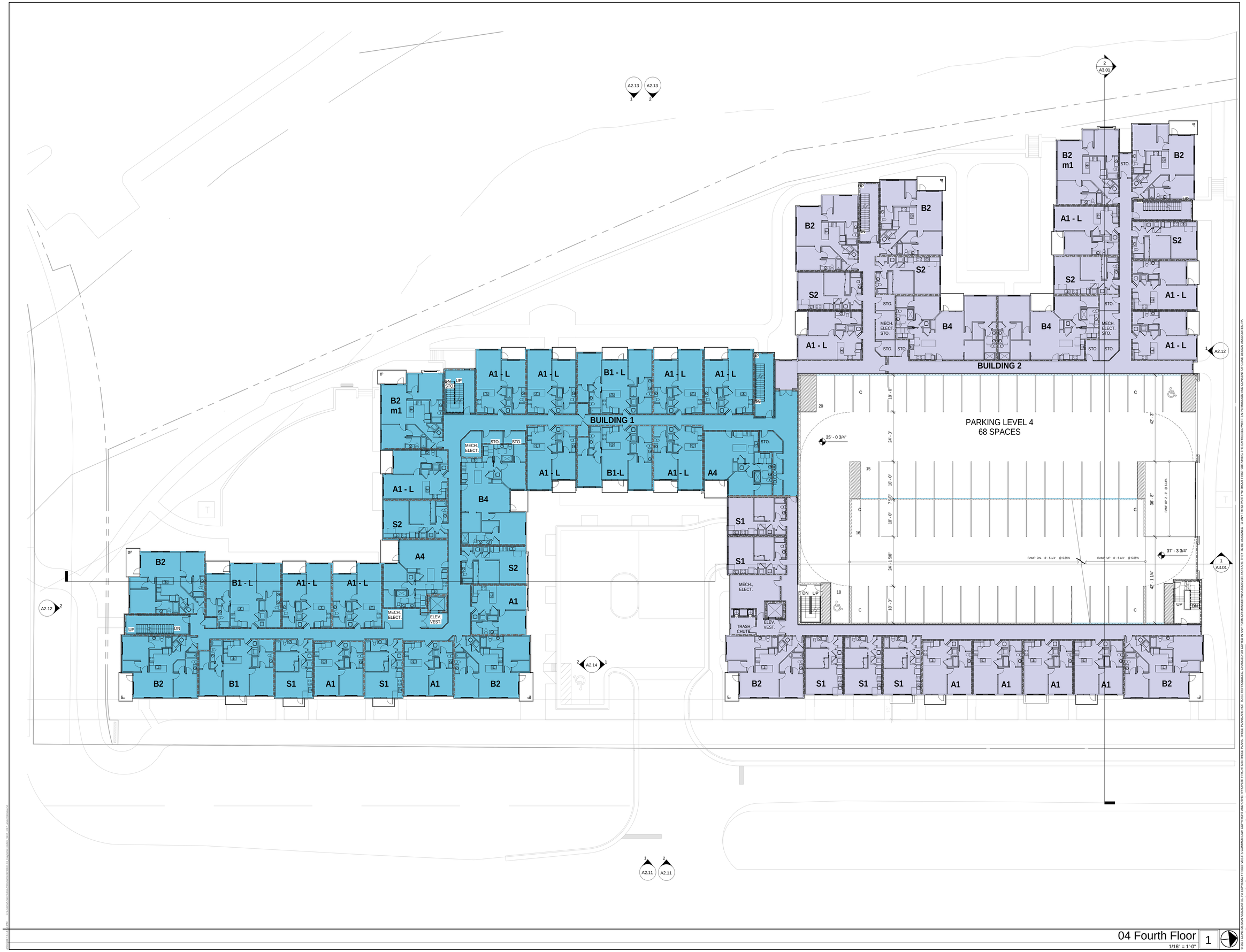
03 Third Floor 1

1/16" = 1'-0"

A1.03



04 Fourth Floor
1/16" = 1'-0"
1

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919/836-1280 FAX
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RAM REALTY SERVICES
Fordham Blvd. Apartments
1300 FORDHAM BOULEVARD
CHAPEL HILL, NORTH CAROLINA

NOT FOR CONSTRUCTION

EPHESUS/ FORDHAM FORM DISTRICT PERMIT APPLICATION

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4TH FLOOR PLAN

A1.04

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5TH FLOOR PLAN

05 Fifth Floor 1
1/16" = 1'-0"

A1.05

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6TH FLOOR PLAN

06 Sixth Floor 1
1/16" = 1'-0"

A1.06

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07 Roof Plan 1

1/16" = 1'-0"

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ROOF PLAN

A1.07

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MATERIAL CALCULATIONS:

MINIMUM REQUIRED PRIMARY MATERIAL =	= 75%
PRIMARY MATERIAL PROVIDED =	= 97%
MAXIMUM ALLOWED SECONDARY MATERIAL =	= 25%
SECONDARY MATERIAL PROVIDED =	= 3%

TRANSPARENCY CALCULATIONS:

FRONTAGE (NORTH END):	FORDHAM BLVD.
GROUND STORY USE:	RESIDENTIAL
GROUND STORY CEILING HEIGHT:	10'-0"
UPPER STORY CEILING HEIGHT:	9'-0"
GROUND FLOOR ELEVATION MIN.:	2'-0"
GROUND FLOOR ELEVATION MAX.:	2'-0"
GROUND STORY TRANSPARENCY (20% MIN.):	37%
UPPER STORY TRANSPARENCY (20% MIN.):	34%
BLANK WALL AREA MAX (50 LF MAX.):	12'-4"
ENTRANCE SPACING MAX.:	62'-8"

EAST ELEVATION - NORTH END 2

3/32" = 1'-0"

MATERIAL CALCULATIONS:

MINIMUM REQUIRED PRIMARY MATERIAL =	= 75%
PRIMARY MATERIAL PROVIDED =	= 96%
MAXIMUM ALLOWED SECONDARY MATERIAL =	= 25%
SECONDARY MATERIAL PROVIDED =	= 4%

TRANSPARENCY CALCULATIONS:

FRONTAGE (SOUTH END):	FORDHAM BLVD.
GROUND STORY USE:	RESIDENTIAL
GROUND STORY CEILING HEIGHT:	10'-0"
UPPER STORY CEILING HEIGHT:	9'-0"
GROUND FLOOR ELEVATION MIN.:	2'-0"
GROUND FLOOR ELEVATION MAX.:	2'-0"
GROUND STORY TRANSPARENCY. (20% MIN.):	53%
UPPER STORY TRANSPARENCY %:	36%
BLANK WALL AREA MAX (50 LF MAX.):	8'-4"
ENTRANCE SPACING MAX.:	41'-6"

EAST ELEVATION - SOUTH END 1

3/32" = 1'-0"

ELEVATION NOTES

KEYED NOTE LEGEND

M1	MASONRY BRICK VENEER
M2	FIBER CEMENT LAP SIDING
M3	FIBER CEMENT PANEL
M4	FIBER CEMENT TRIM
M5	ROWLOCK SILL
M6	SOLDIER COURSE HEADER
M7	EIFS/ STUCCO CORNICE
M8	HORIZONTAL WOOD PANEL
M9	METAL RAILING
M10	STOREFRONT SYSTEM
M11	VINYL WINDOWS
M12	METAL CANOPY

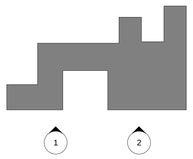
MATERIAL LEGEND

B1	BRICK - BUFF
B2	BRICK - FRENCH GRAY
B2	BRICK - BURGUNDY
S1	SIDING - OYSTER BAY
S2	SIDING - AT EASE SOLDIER
S3	SIDING - IONIC IVORY
S4	SIDING - RETREAT
P1	FC PANEL - OYSTER BAY
P2	FC PANEL - AT EASE SOLDIER
P3	FC PANEL - IONIC IVORY
P4	FC PANEL - UNIVERSAL KHAKI
E1	EIFS/ STUCCO - IONIC IVORY
T1	FC TRIM - OYSTER BAY
T2	FC TRIM - AT EASE SOLDIER
T3	FC TRIM - IONIC IVORY
T4	FC TRIM - RETREAT
T5	FC TRIM - UNIVERSAL KHAKI
WP1	WOOD PANEL - BROWN
W1	WINDOW FRAME - COLOR A
M1	METAL - COLOR A
M2	METAL - COLOR B

SYMBOL LEGEND

X — DENOTES WINDOW TYPE - SEE A6.21 FOR WINDOW SCHEDULE & NOTES

KEY PLAN



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EXTERIOR ELEVATIONS

A2.11

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MATERIAL CALCULATIONS:

MINIMUM REQUIRED PRIMARY MATERIAL =	= 75%
PRIMARY MATERIAL PROVIDED =	= 95%
MAXIMUM ALLOWED SECONDARY MATERIAL =	= 25%
SECONDARY MATERIAL PROVIDED =	= 5%

TRANSPARENCY CALCULATIONS:

FRONTAGE:	ELLIOTT ROAD
GROUND STORY USE:	RESIDENTIAL
GROUND STORY CEILING HEIGHT:	10'-0"
UPPER STORY CEILING HEIGHT:	9'-0"
GROUND FLOOR ELEVATION MIN.:	2'-0"
GROUND FLOOR ELEVATION MAX.:	2'-0"
GROUND STORY TRANSPARENCY (20% MIN.):	46%
UPPER STORY TRANSPARENCY (20% MIN.):	29%
BLANK WALL AREA MAX (50 LF MAX.):	9'-5"
ENTRANCE SPACING MAX.:	26'-5"

SOUTH ELEVATION 2

3/32" = 1'-0"

MATERIAL CALCULATIONS:

MINIMUM REQUIRED PRIMARY MATERIAL =	= 75%
PRIMARY MATERIAL PROVIDED =	= 97%
MAXIMUM ALLOWED SECONDARY MATERIAL =	= 25%
SECONDARY MATERIAL PROVIDED =	= 3%

NORTH ELEVATION 1

3/32" = 1'-0"

ELEVATION NOTES

KEYED NOTE LEGEND

M1	MASONRY BRICK VENEER
M2	FIBER CEMENT LAP SIDING
M3	FIBER CEMENT PANEL
M4	FIBER CEMENT TRIM
M5	ROWLOCK SILL
M6	SOLDIER COURSE HEADER
M7	EIFS/ STUCCO CORNICE
M8	HORIZONTAL WOOD PANEL
M9	METAL RAILING
M10	STOREFRONT SYSTEM
M11	VINYL WINDOWS
M12	METAL CANOPY

MATERIAL LEGEND

B1	BRICK - BUFF
B2	BRICK - FRENCH GRAY
B2	BRICK - BURGUNDY
S1	SIDING - OYSTER BAY
S2	SIDING - AT EASE SOLDIER
S3	SIDING - IONIC IVORY
S4	SIDING - RETREAT
P1	FC PANEL - OYSTER BAY
P2	FC PANEL - AT EASE SOLDIER
P3	FC PANEL - IONIC IVORY
P4	FC PANEL - UNIVERSAL KHAKI
E1	EIFS/ STUCCO - IONIC IVORY
T1	FC TRIM - OYSTER BAY
T2	FC TRIM - AT EASE SOLDIER
T3	FC TRIM - IONIC IVORY
T4	FC TRIM - RETREAT
T5	FC TRIM - UNIVERSAL KHAKI
WP1	WOOD PANEL - BROWN
W1	WINDOW FRAME - COLOR A
M1	METAL - COLOR A
M2	METAL - COLOR B

SYMBOL LEGEND

X — DENOTES WINDOW TYPE - SEE A6.21 FOR WINDOW SCHEDULE & NOTES

KEY PLAN

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EXTERIOR ELEVATIONS

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MATERIAL CALCULATIONS:

MINIMUM REQUIRED PRIMARY MATERIAL =	= 75%
PRIMARY MATERIAL PROVIDED =	= 94%
MAXIMUM ALLOWED SECONDARY MATERIAL =	= 25%
SECONDARY MATERIAL PROVIDED =	= 6%

WEST ELEVATION - SOUTH END 2

3/32" = 1'-0"

MATERIAL CALCULATIONS:

MINIMUM REQUIRED PRIMARY MATERIAL =	= 75%
PRIMARY MATERIAL PROVIDED =	= 96%
MAXIMUM ALLOWED SECONDARY MATERIAL =	= 25%
SECONDARY MATERIAL PROVIDED =	= 4%

WEST ELEVATION - NORTH END 1

3/32" = 1'-0"

ELEVATION NOTES

KEYED NOTE LEGEND

M1	MASONRY BRICK VENEER
M2	FIBER CEMENT LAP SIDING
M3	FIBER CEMENT PANEL
M4	FIBER CEMENT TRIM
M5	ROWLOCK SILL
M6	SOLDIER COURSE HEADER
M7	EIFS/ STUCCO CORNICE
M8	HORIZONTAL WOOD PANEL
M9	METAL RAILING
M10	STOREFRONT SYSTEM
M11	VINYL WINDOWS
M12	METAL CANOPY

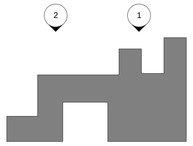
MATERIAL LEGEND

B1	BRICK - BUFF
B2	BRICK - FRENCH GRAY
B2	BRICK - BURGUNDY
S1	SIDING - OYSTER BAY
S2	SIDING - AT EASE SOLDIER
S3	SIDING - IONIC IVORY
S4	SIDING - RETREAT
P1	FC PANEL - OYSTER BAY
P2	FC PANEL - AT EASE SOLDIER
P3	FC PANEL - IONIC IVORY
P4	FC PANEL - UNIVERSAL KHAKI
E1	EIFS/ STUCCO - IONIC IVORY
T1	FC TRIM - OYSTER BAY
T2	FC TRIM - AT EASE SOLDIER
T3	FC TRIM - IONIC IVORY
T4	FC TRIM - RETREAT
T5	FC TRIM - UNIVERSAL KHAKI
WP1	WOOD PANEL - BROWN
W1	WINDOW FRAME - COLOR A
M1	METAL - COLOR A
M2	METAL - COLOR B

SYMBOL LEGEND

X — DENOTES WINDOW TYPE - SEE A6.21 FOR WINDOW SCHEDULE & NOTES

KEY PLAN



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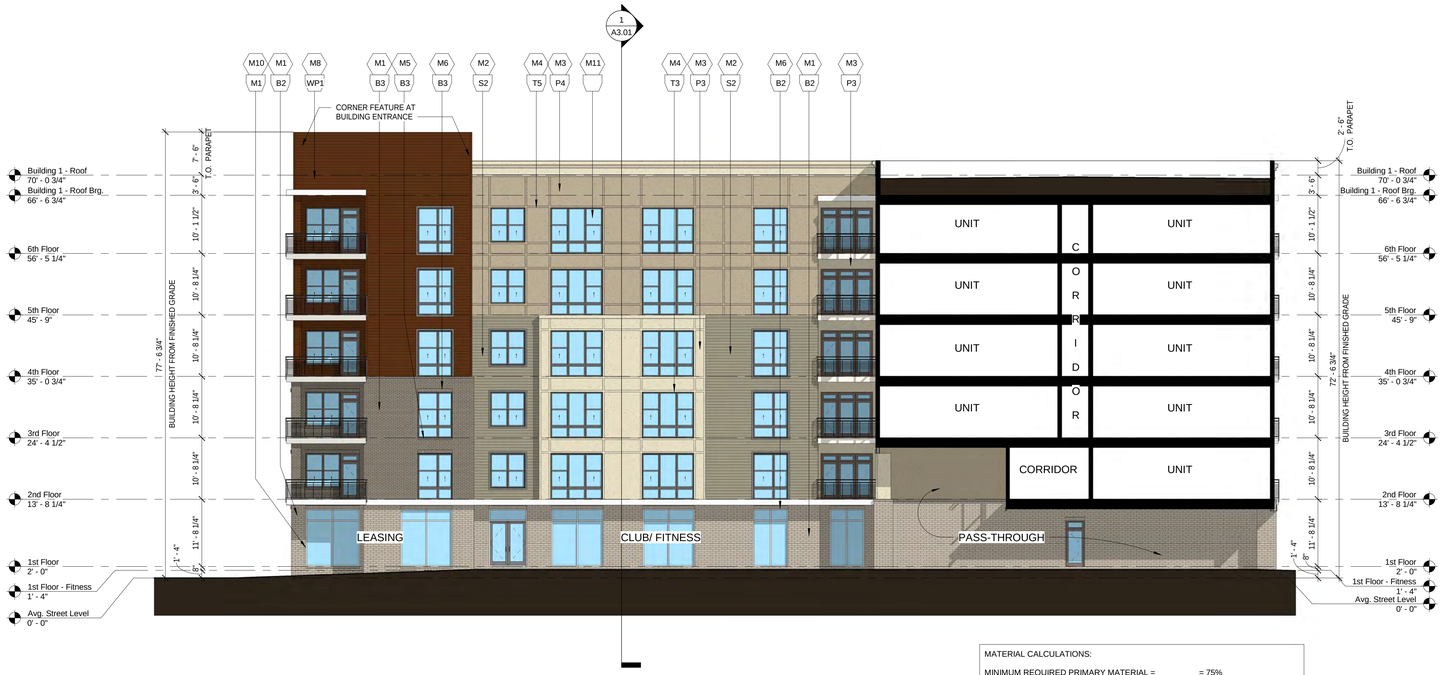

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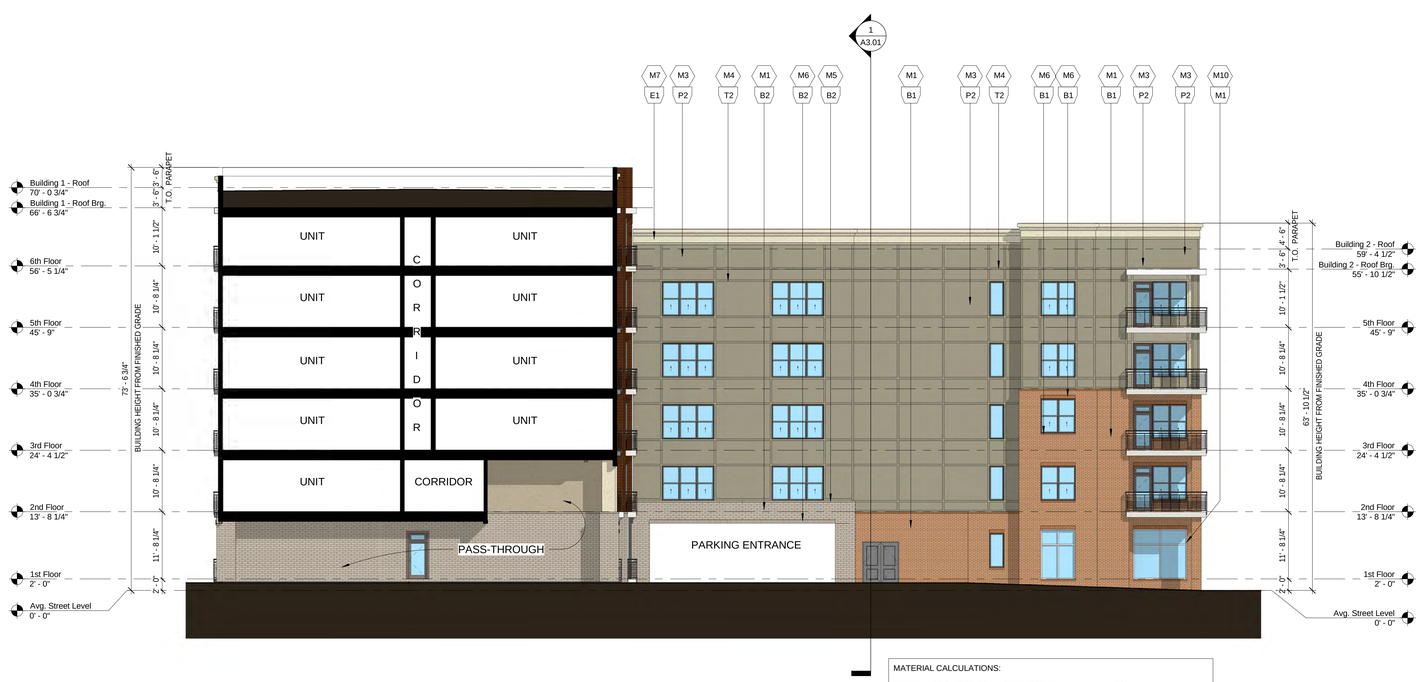
PRIMARY MATERIAL PROVIDED =	= 97%
MAXIMUM ALLOWED SECONDARY MATERIAL =	= 25%
SECONDARY MATERIAL PROVIDED =	= 3%

COURTYARD SOUTH 2

3/32" = 1'-0"



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MINIMUM REQUIRED PRIMARY MATERIAL =	= 75%
PRIMARY MATERIAL PROVIDED =	= 96%
MAXIMUM ALLOWED SECONDARY MATERIAL =	= 25%
SECONDARY MATERIAL PROVIDED =	= 4%

COURTYARD NORTH 1

3/32" = 1'-0"

ELEVATION NOTES

KEYED NOTE LEGEND

M1	MASONRY BRICK VENEER
M2	FIBER CEMENT LAP SIDING
M3	FIBER CEMENT PANEL
M4	FIBER CEMENT TRIM
M5	ROWLOCK SILL
M6	SOLDIER COURSE HEADER
M7	EIFS/ STUCCO CORNICE
M8	HORIZONTAL WOOD PANEL
M9	METAL RAILING
M10	STOREFRONT SYSTEM
M11	VINYL WINDOWS
M12	METAL CANOPY

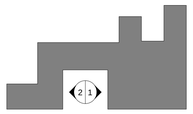
MATERIAL LEGEND

B1	BRICK - BUFF
B2	BRICK - FRENCH GRAY
B2	BRICK - BURGUNDY
S1	SIDING - OYSTER BAY
S2	SIDING - AT EASE SOLDIER
S3	SIDING - IONIC IVORY
S4	SIDING - RETREAT
P1	FC PANEL - OYSTER BAY
P2	FC PANEL - AT EASE SOLDIER
P3	FC PANEL - IONIC IVORY
P4	FC PANEL - UNIVERSAL KHAKI
E1	EIFS/ STUCCO - IONIC IVORY
T1	FC TRIM - OYSTER BAY
T2	FC TRIM - AT EASE SOLDIER
T3	FC TRIM - IONIC IVORY
T4	FC TRIM - RETREAT
T5	FC TRIM - UNIVERSAL KHAKI
WP1	WOOD PANEL - BROWN
W1	WINDOW FRAME - COLOR A
M1	METAL - COLOR A
M2	METAL - COLOR B

SYMBOL LEGEND

X — DENOTES WINDOW TYPE - SEE A6.21 FOR WINDOW SCHEDULE & NOTES

KEY PLAN



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EXTERIOR SECTION/ ELEVATIONS

A2.14

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APPROACH TOWARDS MOTOR COURT - NOT TO SCALE

EXTERIOR RENDERING AT ENTRY 1

N.T.S.

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EXTERIOR RENDERING

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FIBER CEMENT SMOOTH TRIM & PANELS

SW 6206
Oyster Bay
Exterior

SW 9127
At Ease Soldier
Exterior

SW 6406
Ionic Ivory
Exterior

SW 6207
Retreat
Exterior

SW 6150
Universal Khaki
Exterior

FIBER CEMENT 'WOODGRAIN' LAP SIDING

SW 6206
Oyster Bay
Exterior

SW 9127
At Ease Soldier
Exterior

SW 6406
Ionic Ivory
Exterior

SW 6207
Retreat
Exterior

BRICK VENEER

FRENCH GRAY

BURGUNDY

BUFF

NOTE:
COLORS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE FOLLOWING FIELD TESTS.

EXTERIOR COLOR/ MATERIAL SAMPLES 2
1 1/2" = 1'-0"

WINDOWS: VINYL
COLOR: SANDTONE

WINDOWS 3
12" = 1'-0"

LED LIFESTYLE MEDIUM DECORATIVE AREA LIGHTS (XDLM)

US patent 7,828,456 8,002,428, 8,177,386 8,434,893 8,567,983 and US & int'l. patents pending

SMARTTEC™ - LSI drivers feature integral sensor which reduces drive current when ambient temperatures exceed rated temperature

ENERGY SAVING CONTROL OPTION - DIM - 0-10 volt dimming enabled with controls by others. BLS - Bi-level switching responds to external line voltage signal from separate 120-277V controller or sensor (by others), with low light level decreased to 30% maximum drive current.

LEDS - Select high-brightness LEDs in Cool White (5000K), Neutral White (4000K), or Warm White (3500K) color temperature. 70 CRI CW. 80 CRI NW and WW.

DISTRIBUTION PATTERN - Types 3, FT and 5. Exceptional uniformity creates bright environment at lower light levels. Improved backlight cutoff minimizes light trespass.

CROWN - Cast aluminum. Wiring emerges from crown through compression seal fitting to prevent water entry. One-piece silicone gasket seals crown to shade for water- and dust-tight construction.

SHADES - Spun aluminum. Two shade styles available - A - Angle and B - Bell.

OPTICAL UNIT - Optical unit and aluminum door frame recessed into shade and sealed with one-piece silicone gasket. Clear tempered flat glass lens sealed with silicone gasket to door frame (includes pressure-stabilizing breather). Optical unit is tethered and provides access to driver. Door frame retaining fasteners are captive.

BRACKETS - Brackets are extruded and cast aluminum assemblies or fabrications. All decorative elements are die cast or extruded aluminum.

MOUNTING - Classic Hook (CH), Side Arm (SA - 4" O.D. minimum pole top required), Wall Mount (W - for use with CH or SA style), Universal Pole Clamp (UCL) available. See Steel Round Pole and Aluminum Round Pole data sheets for pole selection information. Side Arm pole mount requires 3" reduced drilling pattern. Classic hook mount requires a 4" O.D. pole or tenon.

ELECTRICAL - Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277VAC (UE - 50/60Hz input), and 347-480 VAC. Optional button-type photocells (PCI) are available in 120, 208, 240, 277 or 347 volt (supply voltage must be specified).

DRIVERS - Available in SS (Super Saver) and HO (High Output) drive currents (Drive currents are factory programmed.). Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

OPERATING TEMPERATURE - -40°C to +50°C (-40°F to +122°F).

FINISH - Each fixture is finished with LSI's DuraGrip polyester powder coat process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.

WARRANTY - LSI LED fixtures carry a limited 5-year warranty.

PHOTOMETRICS - Please visit our web site at **www.lsi-industries.com** for detailed photometric data.

SHIPPING WEIGHT (IN CARTON) - 36 lbs. (16.3 kg)

LISTINGS - UL listed to U.S. and Canadian safety standards. Suitable for wet locations

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.

ARRA Funding Compliant · cULus LISTED wet location · RoHS COMPLIANT · FC

LIGHT OUTPUT - XDLM

		Lumens (Nominal) Type 3	Type FT	Type 5	Watts (Nominal)
Cool White	SS	13470	14080	13310	136
	HO	18730	19920	18480	205
Neutral White	SS	11180	11780	11130	136
	HO	18070	19370	18080	205
Warm White	SS	11440	11980	11040	136
	HO	15390	16350	15130	205

LED Chips are frequently updated therefore values may increase.

Project Name ____ Fixture Type ____
Catalog # ____
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LED LIFESTYLE MEDIUM DECORATIVE AREA LIGHTS (XDLM)

BUG LISTING

XDLM - TYPE 3

Drive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
HO	CW	18,728	208	91	B3-U0-G2
	NW	18,068	204	89	B3-U0-G2
	WW	15,385	204	75	B2-U0-G2
SS	CW	13,466	137	99	B2-U0-G2
	NW	11,179	137	82	B2-U0-G2
	WW	11,440	140	82	B2-U0-G2

XDLM - TYPE 5

Drive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
HO	CW	18,482	205	90	B4-U0-G2
	NW	18,079	204	89	B4-U0-G2
	WW	15,129	204	74	B4-U0-G2
SS	CW	13,310	137	98	B3-U0-G2
	NW	11,132	136	82	B3-U0-G2
	WW	11,041	140	79	B3-U0-G2

XDLM - TYPE FT

Drive Current	Color Temp.*	Lumens	Watts	LER	BUG Rating
HO	CW	19,927	205	97	B1-U0-G3
	NW	19,374	204	95	B1-U0-G3
	WW	16,350	204	80	B1-U0-G3
SS	CW	14,081	136	103	B1-U0-G3
	NW	11,780	136	86	B1-U0-G3
	WW	11,980	140	86	B1-U0-G3

* Color Temperature: WW-3000K, NW-4000K, CW-5000K

Project Name ____ Fixture Type ____
Catalog # ____
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LED LIFESTYLE MEDIUM DECORATIVE AREA LIGHTS (XDLM)

PRODUCT ORDERING INFORMATION

TYPICAL ORDER EXAMPLE: **XDLMB 3 LED SS CW UE BLK CH S PCI120**

Prefix	Distribution	Light Source	Drive Current	Color Temp	Input Voltage	Finish	Mounting Style[1,2]	Mounting Configuration[1,2]	Options
XDLMA[1] Angle Shade XDLMB[1] Bell Shade	3 - Type III 5 - Type V FT - Forward Throw	LED	SS - Super Saver HO - High Output	CW - Cool White (5000K) NW - Neutral White (4000K) WW - Warm White (3500K)	UE - Universal Electronic (120-277V) 347-480 Universal Voltage (347-480V)	BLK - Black BRZ - Bronze WHT - White GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green	CH - Classic Hook SA4 - Side Arm Mount for 4" O.D. Round Poles[3] SA5 - Side Arm Mount for 5" O.D. Round Poles[3] UCL4 - Universal Pole Clamp for 4" O.D. Round Poles UCL5 - Universal Pole Clamp for 5" O.D. Round Poles	S - Single D180 - Double D90 - Double[4] T90 - Triple[4] TN120 - Triple[4] Q90 - Quad[4] W - Wall Mount	Button Type Photocells PCI120 - 120V PCI208-277V - 208-277V PCI347 - 347V DIM - 0-10 Volt Dimming (from external signal)[5] BLS - Bi-level Switching (from external 120-277V signal)[5]

ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Description	Order Number	Description	Order Number
FK120 Single Fusing (120V)	FK120[6]	DFK480 Double Fusing (480V)	DFK480[6]
FK277 Single Fusing (277V)	FK277[6]	FK347 Single Fusing (347V)	FK347[6]
DFK208, 240 Double Fusing (208V, 240V)	DFK208, 240[6]		

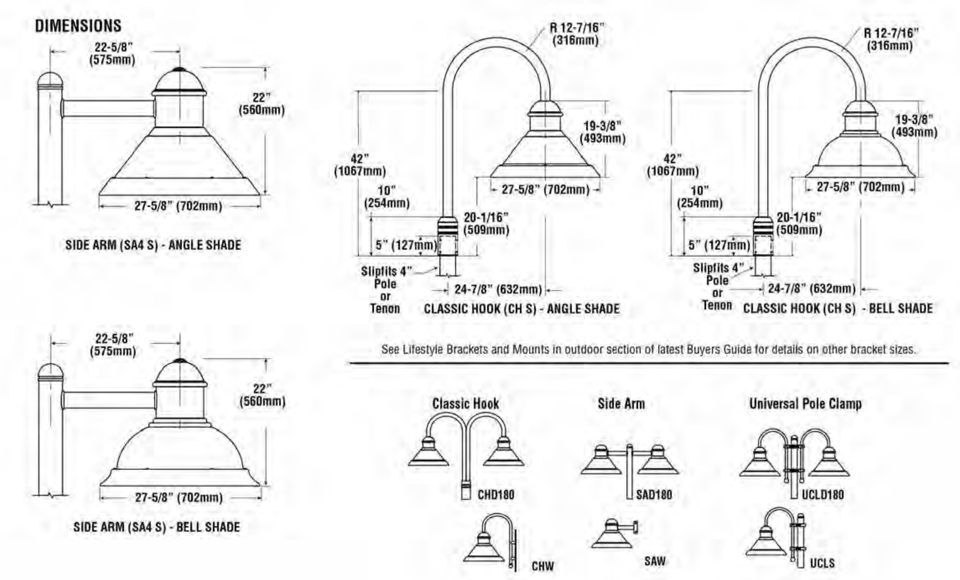
LUMINAIRE EPA CHART - XDLM

Single	1.8
D180°	3.1
D90°	2.7
T90°	4.0
TN120°	4.0
Q90°	4.9

Note: Includes Bracket

FOOTNOTES:
1- When ordering a multiple configuration (D180, etc.) order one fixture/bracket configuration per pole - i.e. order one XDLMB 3 LED SS CW UE BLK CH D180 PCI120 to receive two fixtures and one CH D180 bracket (see drawing on this page). See STEEL ROUND POLES and ALUMINUM ROUND POLES data sheets for pole ordering information.
2- See Lifestyle Bracket ordering chart for Mounting Style/Configurations availability.
3- 3" reduced drilling pattern required.
4- For use with SA4 and SA5 mounting styles only.
5- DIM and BLS cannot be ordered together.
6- Fusing must be located in the hand hole of pole.

DIMENSIONS



Project Name ____ Fixture Type ____
Catalog # ____
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XDLS & XDLM LED Lifestyle
Decorative Area Lighting Choice of Bell or Angle Shades Four Mounting Styles Available in 2 Sizes
XDLS: 18 1/2 XDLM: 27 5/8
XDLS: Side Arm Mount - 15 1/4 Classic Hook Mount - 12 7/8 XDLM: Side Arm Mount - 22 Classic Hook Mount - 19 3/8
Cool White (5000K) Neutral White (4000K) Warm White (3500K)
Types 3, 5 & FT
XDLS: 4790-9600 XDLM: 11040-19920
XDLS: 100 XDLM:103
XDLS: 71 - 106 XDLM: 136 - 205
CW: 70 NW & WW: 80
Yes
No
No
5 Years

LIGHTING 1
12" = 1'-0"

CLINE DESIGN
125 N. Harrington St.
Raleigh, NC 27603
919/833-6413
919/836-1280 FAX
ClineDesignAssoc.com

(PIN): 9799245697, 9799242361

RAM REALTY SERVICES
Fordham Blvd. Apartments
1300 FORDHAM BOULEVARD
CHAPEL HILL, NORTH CAROLINA

NOT FOR CONSTRUCTION

EPHESUS/ FORDHAM FORM DISTRICT PERMIT APPLICATION

PROJECT:	016133
DATE:	04.21.2017
REVISIONS:	DATE

DRAWN BY:	Author
CHECKED BY:	Checker

EXTERIOR BUILDING MATERIALS & LIGHTING

A2.21

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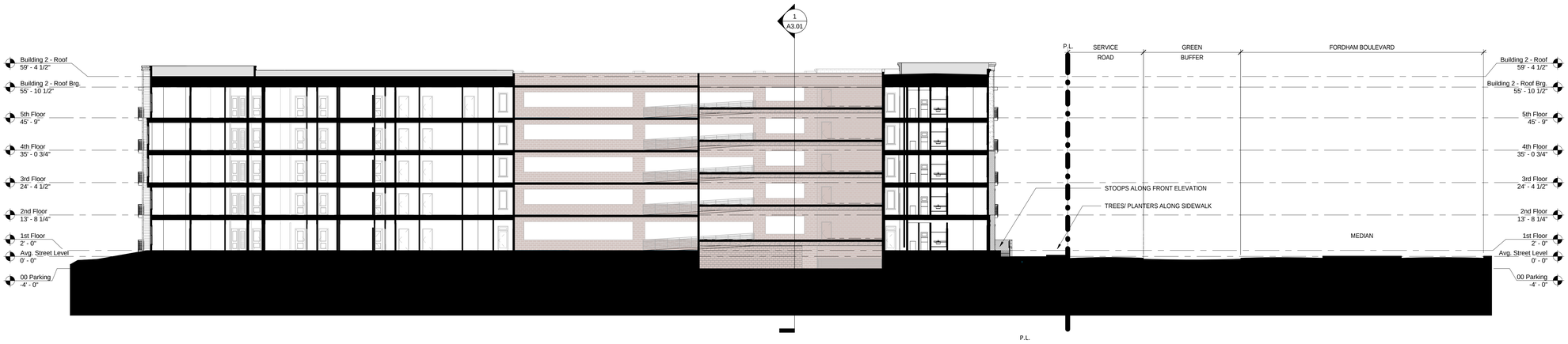

SECTION 3 - ALONG SERVICE ROAD 2

1/16" = 1'-0"

SECTION 1 - LONGITUDINAL 1

1/16" = 1'-0"

CLINE DESIGN

125 N. Harrington St.
Raleigh, NC 27603
919/833-6413
919/836-1280 FAX
ClineDesignAssoc.com

(PIN): 9799245697, 9799242361

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Fordham Blvd. Apartments

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EPHESUS/ FORDHAM FORM DISTRICT PERMIT APPLICATION

PROJECT:	016133
DATE:	04.21.2017
REVISIONS:	DATE

DRAWN BY:	DJW
CHECKED BY:	Checker

BUILDING SECTIONS

A3.01

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