STREETS AT SOUTHGLENN

MASTER DEVELOPMENT PLAN
AMENDMENT NO. 5

PART OF THE NE 1/4 OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 68 WEST OF THE SIXTH PRINCIPAL MERIDIAN, CITY OF CENTENNIAL, ARAPAHOE COUNTY, STATE OF COLORADO

LEGAL DESCRIPTION

PARCEL 1

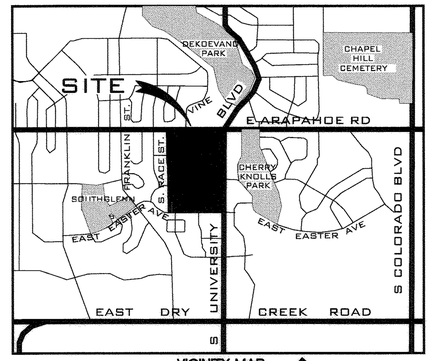
LOTS 5, 6, 8 AND 13, STREETS AT SOUTHGLENN FILING NO. 1; LOTS 2, 3 AND TRACT C, STREETS AT SOUTHGLENN FILING NO. 2; LOTS 1 AND 2 STREETS AT SOUTHGLENN FILING NO. 3; LOTS 2, 6, AND 8 STREETS AT SOUTHGLENN FILING NO. 4; LOTS 1, 2, 3, 4, 5, AND TRACT A STREETS AT SOUTHGLENN FILING NO. 5; AND LOT 2, STREETS AT SOUTHGLENN FILING NO. 6 LOCATED IN THE NORTHEAST ONE-QUARTER OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 68 WEST OF THE 6TH PRINCIPAL MERIDIAN, CITY OF CENTENNIAL, COUNTY OF ARAPAHOE, STATE OF COLORADO.,

CONTAINING 3,095,614 SQUARE FEET OR 71.0655 ACRES, MORE OR LESS.

PARCEL 2

LOT 1 AND TRACT C STREETS AT SOUTHGLENN FILING NO. 6 LOCATED IN THE NORTHEAST ONE-QUARTER OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 68 WEST OF THE 6TH PRINCIPAL MERIDIAN, CITY OF CENTENNIAL, COUNTY OF ARAPAHOE, STATE OF COLORADO.

CONTAINING 55,718 SQUARE FEET OR 1.2791 ACRES, MORE OR LESS.



VICINITY MAP
1" = 2000'
NORTH

DEVELOPMENT TEAM

DEVELOPER

ALBERTA DEVELOPMENT PARTNERS, LLC
5460 S. QUEBEC ST. STE 100
GREENWOOD VILLAGE, CO 80111
303.771.4004
CONTACT: BRYAN MCFARLAND

DESIGN ARCHITECT

CALLISON ARCHITECTURE
1420 FIFTH AVE #2400
SEATTLE, WA 98101
206.623.4646
CONTACT: TODD ENOKI, AIA

RETAIL ARCHITECT

SEM ARCHITECTS
677 S. COLORADO BLVD, STE 200
DENVER, CO. 80246
303.220.8900
CONTACT: BRUCE McCLENNAN

CIVIL ENGINEER

CLC ASSOCIATES
8480 E. ORCHARD RD., STE 2000
GREENWOOD VILLAGE, CO 80111
303.770.5600
CONTACT: KURT D. MAHNKEN, P.E.

LANDSCAPE ARCHITECT

EDAW
1809 BLAKE STREET #200
DENVER, CO 80202
CONTACT: CRAIG CORONATO, ASLA

GRAPHIC ARTS

COMMUNICATION ARTS
1112 PEARL ST.
BOULDER, CO 80302
303.447.82808
CONTACT: MICHELE WHITTED

LIGHTING CONSULTANT

JK DESIGN GROUP
11300 SHOSHONE AVE
GRANADA HILLS, CA 91344
818.785.0800
CONTACT: JAY WINTERS

CERTIFICATE OF OWNERSHIP

I, DONALD G. PROVOST, AS MANAGER OF ALBERTA DEVELOPMENT PARTNERS, LLC HEREBY AFFIRM THAT I AM THE OWNER OR AUTHORIZED AGENT OF ALL INDIVDUALS HAVING OWNERSHIP INTEREST IN THE PROPERTY DESCRIBED HEREIN AS PARCEL 1, KNOWN AS THE STREETS AT SOUTHGLENN MDP AMENDMENT NO. 5, LU-0812-007.

OWNER OF RECORD OR AUTHORIZED AGENT
ALBERTA DEVELOPMENT PARTNERS, LLC
A COLORADO LIMITED LIABILITY COMPANY.

STATE OF Colorado)
)SS
COUNTY OF Arapahoe)

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 28 DAY OF January 2009
BY Donald G Provost AS Manager OF Alberta Development Partners AN AUTHORIZED SIGNATORY.

BY _____ WITNESS MY HAND AND SEAL
NOTARY PUBLIC

MY COMMISSION EXPIRES April 5, 2011
5460 South Quebec Street, Suite 100
ADDRESS
Greenwood Village CO 80111
CITY STATE ZIP

LIZ GONZALEZ NOTARY PUBLIC STATE OF COLORADO

KATHY FOSTER, AS VICE PRESIDENT OF WELLS FARGO BANK, NATIONAL ASSOCIATEION HEREBY AFFIRM THAT WELLS FARGO BANK, NATIONAL ASSOCIATION IS THE OWNER OR AUTHORIZED AGENT OF ALL INDIVDUALS HAVING OWNERSHIP INTEREST IN THE PROPERTY DESCRIBED HEREIN AS PARCEL 2, KNOWN AS THE STREETS AT SOUTHGLENN MDP AMENDMENT NO. 5, LU-0812-007.

OWNER OF RECORD OR AUTHORIZED AGENT
WELLS FARGO BANK, NATIONAL ASSOCIATION
SUCCESSOR-BY-MERGER TO WELLS FARGO BANK WEST, NATIONAL ASSOCIATION.

STATE OF Colorado)
)SS
COUNTY OF Arapahoe)

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 23 DAY OF January, 2009
BY Kathleen Foster AS Vice President OF Wells Fargo Bank AN AUTHORIZED SIGNATORY.

BY _____ WITNESS MY HAND AND SEAL
NOTARY PUBLIC

MY COMMISSION EXPIRES 4/28/2012
5460 S. Quebec St. Suite 100
ADDRESS
Englewood CO 80111
CITY STATE ZIP

COURTNEY LYNN SHOWER NOTARY PUBLIC STATE OF COLORADO My Commission Expires 04-28-2012

DEPARTMENT OF PLANNING AND DEVELOPMENT APPROVAL

APPROVED BY THE CITY OF CENTENNIAL DEPARTMENT OF PLANNING AND DEVELOPMENT, THIS 28TH DAY OF JAN, 2009, A.D.

Wayne Reed
DIRECTOR OR DESIGNEE

RECORDER'S CERTIFICATE

THIS PLAN WAS FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK AND RECORDER OF ARAPAHOE COUNTY AT 11:51 (A.M./P.M.) ON THE 27TH DAY OF February A.D., 2009 IN BOOK 388, PAGE 7-11, MAP _____, RECEPTION NO. B9019482

ARAPAHOE COUNTY CLERK AND RECORDER

Nancy A. Doty

BY: Sue Williams
DEPUTY

NOT COMPARED
State of Colorado
County of Arapahoe } s.s.
An instrument of which this is a purported duplicate was filed in my office this 27th day of February 2009
Nancy A. Doty
County Clerk

SHEET INDEX

SHEET 1	COVER SHEET
SHEET 2	LIGHTING STANDARDS
SHEET 3	SITE LIGHTING PLAN AND PHOTOMETRICS
SHEET 4	LIGHTING FIXTURE AND POLE DETAILS
SHEET 5	LIGHTING FIXTURE AND POLE DETAILS

AMENDMENT HISTORY

ALL ORIGINAL TERMS, CONDITIONS AND NOTES OF THE MASTER DEVELOPMENT PLAN FOR THE STREETS AT SOUTHGLENN, LU-0512-001, APPROVED ON JUNE 5, 2006, WILL REMAIN IN FULL FORCE AND EFFECT AS PREVIOUSLY EXECUTED BY THE OWNER AND BY THE CITY OF CENTENNIAL WITH THE FOLLOWING AMENDMENTS:

AMENDMENT NO. 1

- REVISED TENANT SIGNAGE CRITERIA. CURRENT CRITERIA DATE IS MAY 1, 2007. (SEPARATE DOCUMENT)

AMENDMENT NO. 2

- REVISED STRUCTURE DATA TABLE (SHEET 3)
- MOVED BANK FROM S. UNIVERSITY BLVD. TO E. ARAPAHOE RD.
- ELIMINATED BUILDING AT NORTHEAST CORNER OF S. YORK ST AND E. ARAPAHOE RD.
- ELIMINATED BUILDINGS ON EAST SIDE OF S. YORK ST. AT E. COMMONS DR.

AMENDMENT NO. 3

- REVISED BUILDING SETBACK FROM 25 FEET TO 20 FEET ALONG RACE STREET FOR THE PARKING STRUCTURE TO ACCOMODATE THE WIDTH OF PARKING GARAGE AND MAINTAIN WIDTH OF LANDSCAPING ON EAST SIDE OF STRUCTURE.
- CORRECTED MDP OVERALL SITE AREA ON SHEET 2.

AMENDMENT NO. 4

- INCLUSION TO THE MASTER DEVELOPMENT PLAN FOR THE STREETS AT SOUTHGLENN OF LOTS 1 AND 2, TRACTS A, B, AND C STREETS AT SOUTHGLENN FILING NO. 6, LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF S. UNIVERSITY BOULEVARD AND E. ARAPAHOE ROAD, WITH DEVELOPMENT AS DEPICTED ON SHEET 3. SAID LOT BEING CONCURRENTLY REPLATTED AS STREETS AT SOUTHGLENN FILING NO. 6.
- REZONING OF THE INCLUDED LOT FROM "B-3" AND "O" TO MU-PUD IN ACCORDANCE WITH TERMS AND CONDITIONS OF THE SOUTHGLENN MASTER DEVELOPMENT PLAN (LU-0512-001).
- REVISIONS TO SHEET 2:
  1. REVISED ALLOWABLE USES FOR 24 HOUR FITNESS CLUB
  2. REVISED TOTAL SITE AREA UNDER GROSS FLOOR HEADING FOR INCLUDED LOT.
  3. ADDED SETBACKS FROM S. UNIVERSITY BOULEVARD AND E. ARAPAHOE ROAD FOR BUILDINGS F, W1, W2, AND W3.
  4. ADDED BUILDING HEIGHT LIMITATIONS FOR INCLUDED LOT.
  5. DELETED DRAINAGE MASTER PLAN NOTE.
  6. REVISED BUILDING HEIGHT TO REFLECT CURRENT PLATTED LOTTING AND INCLUDED LOT.
- REVISIONS TO SHEETS 3, 4, AND 6.
  1. ADDED SITE PLAN FOR INCLUDED WELLS FARGO LOT
- REVISION TO SHEET 7
  1. REVISED LOTTING TO REFLECT PLATTING SUBSEQUENT TO INITIAL STREETS AT SOUTHGLENN FILING NO. 1 PLAT.

AMENDMENT NO. 5

- REVISION TO SHEET 2 (1)
  1. REVISED SITE LIGHTING CRITERIA T0 ALLOW LIGHT LEVELS TO EXCEED 0.5 FOOT-CANDLES AT SITE PERIMETER ALONG EAST ARAPAHOE ROAD AND SOUTH UNIVERSITY BOULEVARD.
- REVISION TO SHEET 3 (2)
  1. REVISED SITE LIGHTING PLAN PER CURRENT FIXTURES AND ADDED PHOTOMETRIC VALUES.
- REVISIONS TO SHEETS 4 AND 5 (3)
  1. REVISED LIGHTING DETAILS PER CURRENT FIXTURES

REVISIONS		
BY	DATE	DESCRIPTION
KDM	11/11/08	INITIAL CITY SUBMITTAL
KDM	01/14/09	CITY COMMENTS #1
KDM	01/15/09	NYLARS

DRAWN BY KDM
CHECKED BY KDM
DESIGNED BY KDM
FILENAME SHEET 1.DWG

STREETS AT SOUTHGLENN
MASTER DEVELOPMENT PLAN

COVER SHEET

CLC ASSOCIATES
8480 E. ORCHARD RD.
SUITE 2000
GREENWOOD VILLAGE
COLORADO 80111
P 303 770 5600
F 303 770 2349
CLCASSOC.COM

ARCHITECTURE
ENGINEERING PLANNING
LANDSCAPE ARCHITECTURE
LAND SURVEYING

JOB NO.: 05.0199
SCALE:
DATE: NOV. 11, 2008
SHEET: 7
1 OF 5

CASE NUMBER: LU-0812-007

STREETS AT SOUTHGLENN

MASTER DEVELOPMENT PLAN

AMENDMENT NO. 5

PART OF THE NE 1/4 OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 68 WEST OF THE SIXTH PRINCIPAL MERIDIAN, CITY OF CENTENNIAL, ARAPAHOE COUNTY, STATE OF COLORADO

LIGHTING

GENERAL REQUIREMENTS:

A. LIGHTING AT ANY LOCATION WITHIN THE LIFESTYLE CENTER SHALL BE A MINIMUM MAINTAINED VALUE OF ONE FOOT CANDLE MEASURED AT THE GROUND PLANE AND SHALL NOT EXCEED AN AVERAGE VALUE OF FIVE FOOT CANDLES.
B. OVERALL MAXIMUM POLE HEIGHT SHALL BE LIMITED TO 35' - 0" ABOVE GRADE.
C. STANDARDS, POLES AND FIXTURES MAY BE VARIED IN DESIGN, COLOR AND HEIGHT THROUGHOUT THE LIFESTYLE CENTER IN ORDER TO CREATE VARYING LIGHTING TEXTURES AND ENVIRONMENTS BASED ON THE APPLICATION.
D. SODIUM AND MERCURY VAPOR LAMPS OF ANY DESCRIPTION ARE PROHIBITED FOR USE THROUGHOUT THE PROJECT.

THE STREETS AT SOUTHGLENN PROJECT WILL CONSIST OF VARIOUS LIGHTING LAYERS CREATING AN ATTRACTIVE AND ENERGETIC ENVIRONMENT WHILE ESTABLISHING COMFORTABLE SURROUNDINGS IN SUPPORT OF THE DAY TO DAY RESIDENTIAL AND RETAIL ACTIVITIES THAT MAKE UP THE SOUTHGLENN EXPERIENCE. THE LIGHTING LAYERS WILL INCLUDE SITE/ROADWAY LIGHTING (INCLUDING SUBTERRANEAN GARAGE PARKING AREAS), BUILDING MOUNTED LIGHTING AND FEATURE/ACCENT LIGHTING.

SITE/STREET LIGHTING::
THE SITE/ROADWAY LIGHTING WILL BE THE FIRST ELEMENT OF LIGHTING EXPERIENCED ON APPROACH TO THE SOUTHGLENN SITE. IT WILL CREATE A SAFE AND INVITING ENVIRONMENT FOR THOSE WHO VISIT AND LIVE AT THIS LOCATION. THE VISUAL COMFORT OF THE SITE LIGHTING WILL COME FROM A HIGH UNIFORMITY VALUE IN THE LIGHTING PERFORMANCE AND CONTROLLING THE LIGHT PERFORMANCE BY MAINTAINING IT WITHIN THE OVERALL PROJECT BOUNDARIES, EXCEPT AS NOTED OTHERWISE LIGHTING SHALL COMPLY WITH THE SPECIFIC PERFORMANCE STANDARDS INDICATED BY THE CITY OF CENTENNIAL.

THE SITE/STREET LIGHTING WILL BE CONTEMPORARY STYLE DECORATIVE POST TOP FIXTURES WITH DEPLOYMENT ALONG PROJECT ROADWAYS AND THE HARDSCAPE CURB-LINE AREAS IN AND AROUND THE RESIDENTIAL/RETAIL AREAS OF THE PROJECT. THE DECORATIVE NATURE OF THESE FIXTURES WILL BE IN KEEPING WITH THE ARCHITECTURAL CONCEPTS AND VISION SET FORTH BY THE PROJECT DESIGNERS. WHILE FITTING WITH THE ARCHITECTURAL CONCEPTS, THESE FIXTURES WILL ALSO PERFORM TO THE CITY STANDARDS AND CRITERIA OF THE SOUTHGLENN PROJECT.

BUILDING MOUNTED LIGHTING :
THE BUILDING MOUNTED LIGHTING WILL BE DEPLOYED IN LAYERS TO APPROPRIATELY SUPPORT THE AREAS IN WHICH IT EXISTS. THE LIGHTING AT THE FIRST LEVEL WILL BE DESIGNED TO SUPPORT RETAIL ACTIVITY AND PROVIDE DIRECTION TO THE PEDESTRIAN TRAFFIC FLOW TO AND FROM THE INDIVIDUAL STORES. THE RESIDENTIAL FLOORS OF THE BUILDING FACADES WILL FEATURE SHIELDED ACCENT LIGHTING FIXTURES PROVIDING SUBTLE ACCENTS TO VARIOUS ARCHITECTURAL TREATMENTS AND ELEMENTS. AT THE UPPER PERIMETER OF THE BUILDINGS ALONG THE VARIOUS LINEAR PORTIONS OF THE PARAPETS, CONCEALED LINEAR ACCENT LIGHTING WILL BE USED TO ADD INTEREST AND DIMENSION TO THE BUILDING ROOF LINES.

FEATURE/ACCENT UPLIGHTING:
A LIMITED AMOUNT OF SPECIALTY FEATURE AND ACCENT UPLIGHTING WILL BE INCLUDED IN THE PROJECT. THE EXPRESSIONS OF SPECIALTY/ACCENT UPLIGHTING WILL BE DISPLAYED IN CONJUNCTION WITH THE PROPOSED WATER FEATURES, LANDSCAPES ALONG CURB-LINES AND PEDESTRIAN MALL AREAS THAT ARE WITHIN THE RESIDENTIAL/RETAIL PORTION OF THE PROJECT.

REFER ALSO TO CITY LIGHTING CRITERIA FOR ASP SUBMITTAL REQUIREMENTS

A. SUBMIT A LIGHTING PLAN WITH ALL LIGHTING FIXTURES (POLE, GROUND AND BUILDING MOUNTED) INCLUDING LOCATION, TYPE AND HEIGHT OF LIGHTING DEVICES AT A SCALE APPROVED BY STAFF.
B. SUBMIT LIGHTING SPECIFICATION CUT SHEETS FROM THE MANUFACTURER FOR ALL EXISTING AND PROPOSED FIXTURES.
C. SUBMIT A PHOTOMETRIC PLAN CONSISTING OF A POINT-BY-POINT ANALYSIS OF THE LIGHTING PLAN IN ACCORDANCE WITH THE IES PUBLICATION LM-64.
D. OTHER SUPPORTING INFORMATION MAY BE REQUIRED.

OUTDOOR LIGHTING DESIGN STANDARDS:

A. ALL LIGHTING SHALL BE DESIGNED, PLACED OR SHIELDED SUCH THAT THE SOURCE OF ILLUMINATION (BULB OR DIRECT LAMP IMAGE) IS NOT DIRECTLY VISIBLE FROM THE PROPERTY LINE THEREBY REDUCING GLARE AND INTERFERENCE WITH BOUNDARY STREETS AND ADJACENT PROPERTIES.
B. EXCEPT AS OTHERWISE ALLOWED FOR HEREIN, ALL LIGHTING (INCLUDING, BUT NOT LIMITED TO STREET, PARKING LOT, SECURITY, WALKWAY AND BUILDING) SHALL CONFORM WITH THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IES) CRITERIA FOR FULL CUT-OFF FIXTURES (100% OF LIGHT OUTPUT BELOW90 DEGREES, AND 90 % OF LIGHT OUTPUT BELOW 80 DEGREES FROM A VERTICAL LINE THROUGH THE FIXTURE).
C. THE LAMP CANNOT EXTEND BELOW THE HOUSING OF THE FIXTURE.
D. ALL BUILDING MOUNTED LIGHT FIXTURES LOCATED ON THE WEST ELEVATION OF THE POWER CENTER (I.E. BUILDING D) SHALL BE DIRECT DOWNCAST TYPE LIGHT FIXTURES WITH INTERNAL LAMPS LOCATED A MAXIMUM OF 18" ABOVE DOOR OR DOCK OPENINGS. ANY POLE/POST MOUNTED LIGHTING IN THE SERVICE AREA OF THE POWER CENTER WILL BE DIRECT DOWNCAST TYPE FIXTURES WITH INTERNAL LAMPS AND CUT-OFF SHIELDS ORIENTED TOWARDS THE POWER CENTER BUILDINGS.

SITE LIGHTING:

1 A. LIGHT LEVELS MEASURED AT THE PROPERTY LINE SHALL NOT EXCEED 0.5 FOOT-CANDLES AS A DIRECT RESULT OF THE ON-SITE LIGHTING EXCEPTING LIMITED AREAS ALONG EAST ARAPAHOE ROAD AND SOUTH UNIVERSITY BOULEVARD WHERE CONTRIBUTIONS OF PEDESTRIAN AND OVERLOT LIGHTING COMBINE TO SLIGHTLY EXCEED THE 0.5 FOOT-CANDLE CRITERIA, BUT SHALL NEVER EXCEED 0.9 FOOT-CANDLES.
B. ALL FIXTURES MOUNTED WITHIN 15' OF A RESIDENTIAL PROPERTY LINE SHALL BE CLASSIFIED AS IES TYPE III OR TYPE F (ASYMMETRIC FORWARD THROW), THESE FIXTURES SHALL BE FITTED WITH A "HOUSE SIDE SHIELDING" REFLECTOR ON THE SIDE FACING THE RESIDENTIAL PROPERTY LINE OR PUBLIC RIGHT-OF-WAY.

PROHIBITED LIGHTING:

A. ALL LIGHTING OF SIGNAGE SHALL COMPLY WITH THE CITY OF CENTENNIAL SIGNAGE REGULATIONS (SECTION 11.1.3700).
B. NO OUTDOOR LIGHTING MAY BE USED IN ANY MANNER THAT COULD INTERFERE WITH THE SAFE MOVEMENT OF MOTOR VEHICLES ON PUBLIC THOROUGHFARES. THE FOLLOWING IS PROHIBITED.
   1) ANY FIXED LIGHT NOT DESIGNED FOR ROADWAY ILLUMINATION THAT PRODUCES INCIDENT OR REFLECTED LIGHT THAT COULD IMPAIRTHE OPERATOR OF A MOTOR VEHICLE.
   2) THE INSTALLATION, ILLUMINATIONS OR MAINTENANCE OF BEACONS OR SEARCHLIGHTS.

VEHICULAR CIRCULATION AND PARKING AREAS:

A. PUBLIC PARKING AREAS DESIGNED TO ACCOMMODATE TEN OR MORE VEHICLES IN OTHER THAN VEHICLE SALES AREAS SHALL PROVIDE A MINIMUM LIGHTING LEVEL OF ONE FOOT CANDLE MAINTAINED ILLUMINATION AND NO MORE THAN TWO FOOT CANDLES OF MAINTAINED ILLUMINATION ON THE PARKING SURFACE DURING THE HOURS OF USE BETWEEN ONE-HALF HOUR BEFORE DUSK AND ONE-HALF HOUR AFTER DAWN. ADDITIONALLY, THE UNIFORMITY RATIO (MAX. TO MIN.) OF PARKING FIELD LIGHTING SHALL BE NO MORE THAN 10:1.
B. PROJECT OUTER RING ROAD LIGHTING AND ENTRY DRIVE LIGHTING (WITH THE EXCEPTION OF INTERSECTIONS) SHALL BE DEVELOPED TO THE SAME REQUIREMENTS OF THE PUBLIC PARKING AREAS CITED ABOVE.
C. TRAFFIC INTERSECTIONS INSIDE OF THE PROJECT'S OUTER RING ROAD SHALL PROVIDE A MINIMUM LIGHTING LEVEL OF TWO FOOT CANDLES MAINTAINED AND NO MORE THAN THREE FOOT CANDLES MAINTAINED MEASURED AT THE GROUND PLANE.
D. ANY PARKING AREA ILLUMINATION, INCLUDING SECURITY LIGHTING, SHALL LIMIT GLARE (LIGHT THAT CAUSES VISUAL DISCOMFORT OR DISABILITY) FROM SITE LIGHTING POLES TO IESNA FULL CUT-OFF DESIGNATION.

PEDESTRIAN AREAS:
ORNAMENTAL AND PEDESTRIAN SCALE WALKWAY LIGHTING SHALL BE COMPRISED OF STANDARD, POLE, BOLLARD AND WALL MOUNTED LUMINAIRES, LOCATED NO MORE THAN 20' ABOVE GRADE.

ACCENT LIGHTING:

A. IN GRADE LUMINAIRES AIMED IN AN UPWARD DIRECTION FOR THE ILLUMINATION OF FOLIAGE, PLANTING AREAS OR THE SCULPTING OF BUILDING FACADES SHALL BE CONCEALED OR SO POSITIONED AS TO SCREEN THE LIGHT SOURCE FROM ADJACENT PROPERTY.
B. LUMINAIRES LOCATED ON BUILDING FACADES SHALL CORRESPOND TO THE FOLLOWING:
   1) LUMINAIRES UTILIZING LAMP SOURCES PRODUCING 3,000 LUMENS OR LESS MAY BE UNSHIELDED.
   2) LUMINAIRES UTILIZING LAMP SOURCES PRODUCING IN EXCESS OF 3,000 LUMENS SHALL BE SHIELDED.
   3) FLOODLIGHTING OR SPOTLIGHTING OF ARCHITECTURE, GRAPHICS OR NATURAL FEATURES SHALL BE SO ARRANGED AS TO AVOID LIGHT TRESPASS ONTO ADJACENT PROPERTIES OR RIGHTS OF WAY.

CASE NUMBER: LU-0812-007

REVISIONS

BY	DATE	DESCRIPTION
KDM	11/11/08	INITIAL CITY SUBMITTAL
KDM	01/14/09	CITY COMMENTS #1
KDM	01/18/09	MYLARS

DRAWN BY KDM
CHECKED BY KDM
DESIGNED BY KDM
FILENAME SHEET 31.DWG

STREETS AT SOUTHGLENN
MASTER DEVELOPMENT PLAN

LIGHTING STANDARDS

CLC ASSOCIATES
8480 E. ORCHARD RD.
SUITE 2000
GREENWOOD VILLAGE
COLORADO 80111
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F 303 770 2349
CLCASSOC.COM

ARCHITECTURE
ENGINEERING PLANNING
LANDSCAPE ARCHITECTURE
LAND SURVEYING

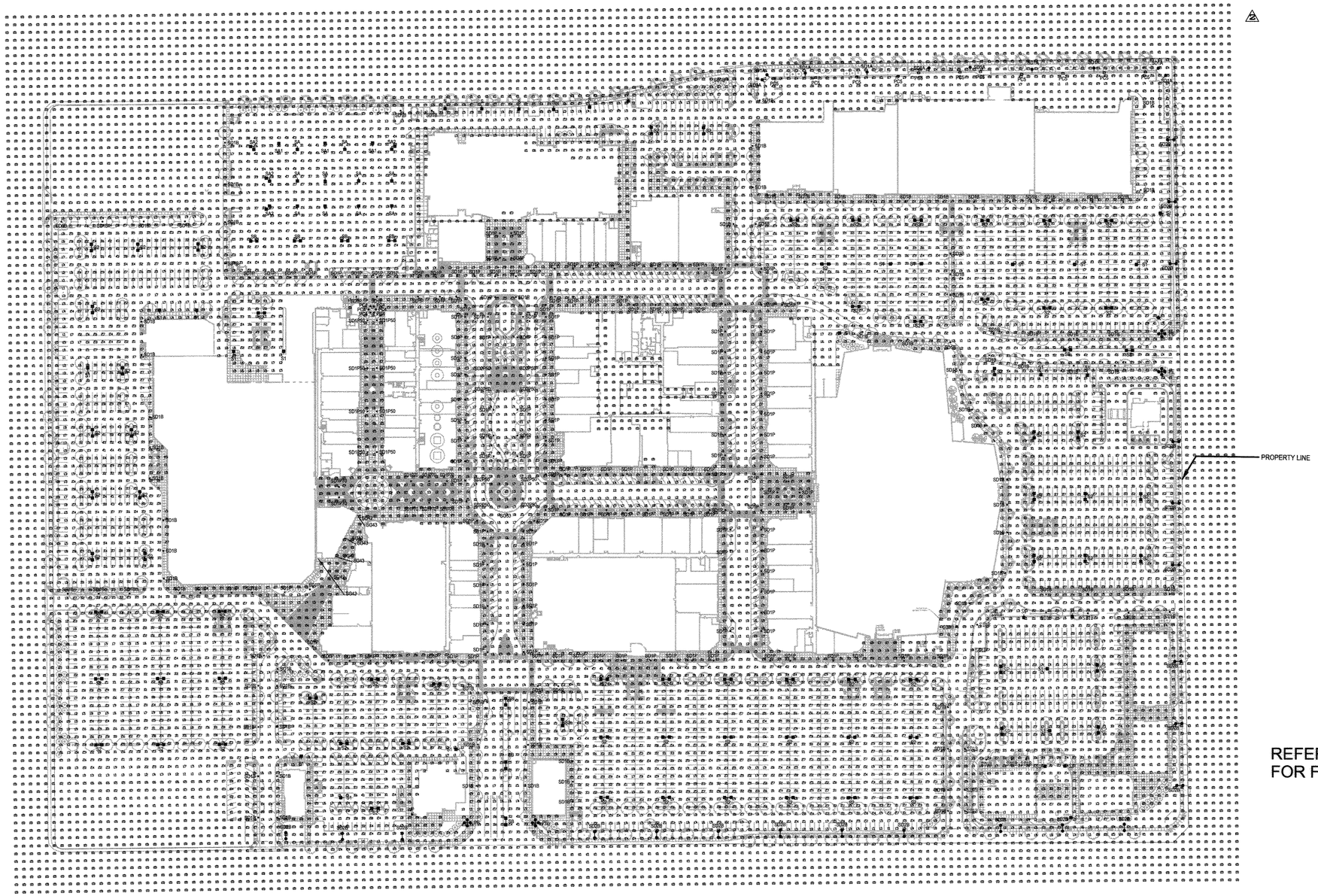
JOB NO.: 05.0199
SCALE:
DATE: NOV. 11, 2008
SHEET: 388-8
2 OF 5

STREETS AT SOUTHGLENN

MASTER DEVELOPMENT PLAN

AMENDMENT NO. 5

PART OF THE NE 1/4 OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 68 WEST OF THE SIXTH PRINCIPAL MERIDIAN, CITY OF CENTENNIAL, ARAPAHOE COUNTY, STATE OF COLORADO



REFER TO SHEETS 4 AND 5 FOR FIXTURE DETAILS.

CASE NUMBER: LU-0812-007

REVISIONS		
BY	DATE	DESCRIPTION
KDM	11/11/08	INITIAL CITY SUBMITTAL
KDM	01/14/09	CITY COMMENT #1
KDM	01/15/09	MYLARS

DRAWN BY: KDM
CHECKED BY: KDM
DESIGNED BY: KDM
FILENAME: SHEET 1.DWG

STREETS AT SOUTHGLENN
MASTER DEVELOPMENT PLAN

SITE LIGHTING PLAN AND PHOTOMETRICS

CLC ASSOCIATES
8480 E. ORCHARD RD.
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CLCASSOC.COM

ARCHITECTURE
ENGINEERING PLANNING
LANDSCAPE ARCHITECTURE
LAND SURVEYING

JOB NO.: 05.0199
SCALE:
DATE: NOV. 11, 2008
SHEET: 388-9
3 OF 5

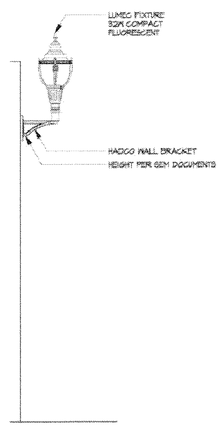
STREETS AT SOUTHGLENN

MASTER DEVELOPMENT PLAN

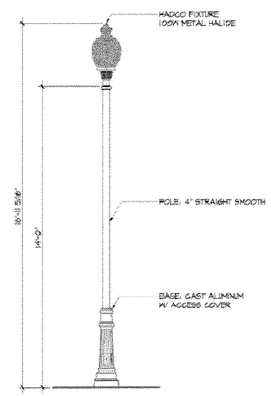
AMENDMENT NO. 5

PART OF THE NE 1/4 OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 68 WEST OF THE SIXTH PRINCIPAL MERIDIAN, CITY OF CENTENNIAL, ARAPAHOE COUNTY, STATE OF COLORADO

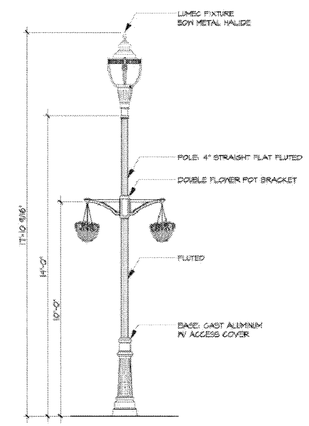
FIXTURE TYPE SD1A



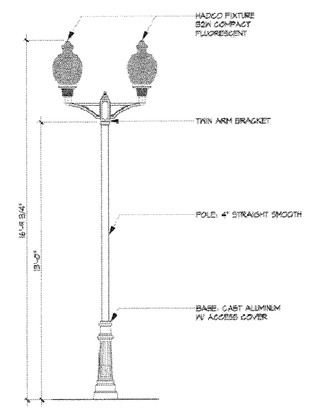
FIXTURE TYPE SD1B



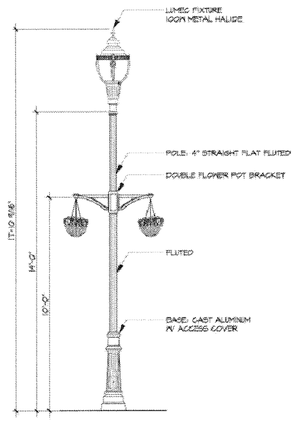
FIXTURE TYPE SD1P50



FIXTURE TYPE SD2B

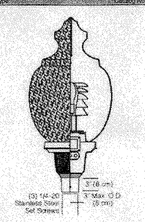


FIXTURE TYPE SDIP



Victorian (V72) Specification Sheet — FIXTURE TYPE SD1B & SD2B

Project Name: Location: MFG. Hadco
Fixture Type: Catalog No: Qty:



Ordering Guide

Example: V72 A T0 N D 70S E

Product Code	V72	Victorian
Finish	A	Black
	B	White
	C	Verde
	H	Bronzo
	J	Green
Optics	T0	Symmetric
	T2	Type III
	T5	Refractor Bowl
		Type V
		Prismatic Bowl
	TL	Type V Louvers *1
Photo Control	N	None
	D	Button Eye
		Photo Control
Socket	D	Medium
	G	Mogul
Wattage	70S	70W HPS
	100S	100W HPS
	150S	150W HPS
	250S	250W HPS *3
	70H	70W MH *2
	100H	100W MH *2
	150H	150W MH *2
	250H	250W MH *3
Voltage	E	120V
	F	208V
	G	240V
	H	277V
	K	347V

*1 TL optics available with Medium base (D) socket only
*2 Available with Medium base (D) socket only
*3 Available with Mogul base (G) socket only

Specifications

Housing:
360 low-copper die-cast aluminum alloy. Easy access to lamp. A weather-proof ballast assembly isolates the ballast from water and heat for longer life. The optional photo-control eye is located in the ballast enclosure for easy access via a hinged door. All non-ferrous fasteners prevent corrosion and ensure longer life. Slip Fitter Dimensions: 3" I.D. x 3" deep.

Finish:
Thermoset polyester powdercoat is electrostatically applied after a five-stage conversion ceramics process and bonded by heat fusion thermosetting. Laboratory tested for superior weatherability and fade resistance in accordance with ASTM-G 117-94 and ANSI/ESTM C635-77 specifications. For larger projects where a custom color is required, contact the factory for more information.

Optical Assembly:
Type III Refractor Bowl. Type V Refractor Bowl. Heat-resistant, low expansion borosilicate glass refractor bowl. Type V Specular Louvers. Optically designed, highly polished ALCOA® aluminum, internal louver assembly. Synseal®, U.V. stabilized clear acrylic structured globe.

Lamping:
MH and HPS Medium base, E17. MH Mogul Base, E22S. HPS Mogul base, E23.5.

Electrical Assembly:
Twistock Ballast Assembly with Quick Disconnects for easy maintenance. Ballasts are HPF core and coil. For V72 with T3, T5 and TL optics, or 250W H.I.D. Ballast assemblies are mounted to an aluminum plate or spinning, which is mounted inside the ballast pod. For V72 with T0 optics up to 175W H.I.D. 4kv rated medium base porcelain socket. Nickel-plated screw shell with center contact. 4kv rated mogul base porcelain socket. Nickel-plated screw shell with center contact.

Ballast:
All HID ballasts are core and coil and regulated with power factors better than 90% (SBF). Ballast provides +/- 5% lamp power regulation with +/- 10% input voltage regulation.

ISO 9001:2000 Registered — Page 1 of 2

HADCO Hadco reserves the right to modify the above details to reflect changes in low cost of materials and/or construction and/or design without prior notice. 100 Craftway Littlestown, PA 17340 tel(717) 359-7131 fax (717) 359-9280 www.hadco.com Copyright 2002 Philips

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CASE NUMBER: LU-0812-007

REVISIONS			
BY	DATE	DESCRIPTION	
KDM	11/11/08	INITIAL CITY SUBMITTAL	
KDM	01/14/09	CITY COMMENT #1	
KDM	01/16/09	MYLARS	

DRAWN BY: KDM
CHECKED BY: KDM
DESIGNED BY: KDM
FILENAME: SHEET 1.DWG

STREETS AT SOUTHGLENN
MASTER DEVELOPMENT PLAN

LIGHT FIXTURES AND POLE DETAILS

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ARCHITECTURE
ENGINEERING PLANNING
LANDSCAPE ARCHITECTURE
LAND SURVEYING

JOB NO.: 05.0199
SCALE:
DATE: NOV. 11, 2008
SHEET: ~~3~~8-10
4 OF 5

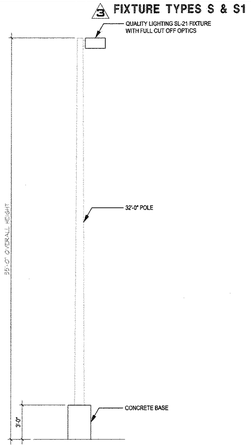
STREETS AT SOUTHGLENN

MASTER DEVELOPMENT PLAN

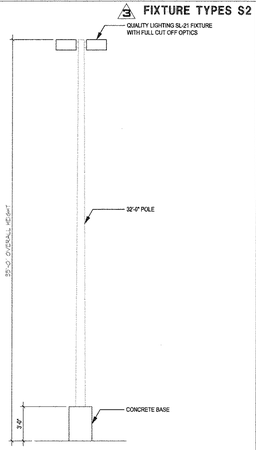
AMENDMENT NO. 5

PART OF THE NE 1/4 OF SECTION 26, TOWNSHIP 5 SOUTH, RANGE 68 WEST OF THE SIXTH PRINCIPAL MERIDIAN, CITY OF CENTENNIAL, ARAPAHOE COUNTY, STATE OF COLORADO

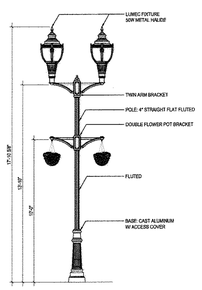
FIXTURE TYPES S & S1



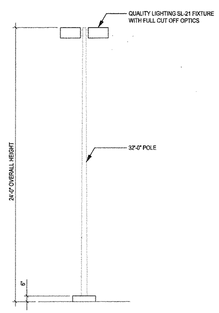
FIXTURE TYPES S2



FIXTURE TYPE SD2P50

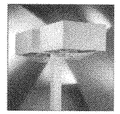


FIXTURE TYPE SB



FIXTURE TYPE S, S1, S2, SB

Design SL-16/21/27



DISTRIBUTIONS

TYPE S	Square (Horiz. Lamp)	TYPE 3	Asymmetrical (Horiz. Lamp)
TYPE VS	Square (Vertical Lamp)	TYPE F	Forward Throw (Horiz. Lamp)
TYPE VR	Rectangular (Vert. Lamp)	TYPE V2	Asymmetrical (Vert. Lamp)
TYPE 1	Asymmetrical (Horiz. Lamp)	TYPE V	Symmetrical (Vert. Lamp)

ORDERING EXAMPLE SL-21-VS-HPS-400-CL-DB-139-CWA-FO-CLB0 x 360

DESIGN	DISTRIBUTION	HPS	MH x 1.15 - Pulse Start Metal Halide MHP = Pulse Start MHMHP	LAMP	CL or Clear glass lens FL = Flat glass lens LENS	PHOTOMETRIC FILE NO. HPS	MHMHP
SL-16	S	70/100/150	70/100*/150/250W	ED-17	FL	9943C	9943J
	1	70/100/150	70/100*/150/250W	ED-17	FL	9943B	9943H
	3	70/100/150	70/100*/150/250W	ED-17	FL	9943C	9943I
	F	70/100/150	70/100*/150/250W	ED-17	FL	9943D	9943G
	VS	70/100/150	70/100*/150/250W	ED-17	FL	9943A	9943K
SL-21	VS	250/400		ED-18	CL or FL	19942F	
	VS		250/400/450*	BT-28/BT-37	CL		19945G
	VS		400 Flat Lens	BT-28	FL		19946K
	V2	250/400		ED-18	CL or FL	19942B	
	V2		250/400/450*	BT-28/BT-37	CL		19945C
	S	250/400		ED-18	FL	19945H	
	S		250/400	BT-28/BT-37	FL		19946CR
	1	250/400		ED-18	FL	8903D	
	1		250/400	BT-28/BT-37	FL		8903E
	3	250/400		ED-18	FL	8903B	
	3		250/400	BT-28/BT-37	FL		8903A
	F	250/400		ED-18	FL	19945ER	
	F		250/400	BT-28/BT-37	FL		19946FR
SL-27	V or VS	400		ED-18	CL or FL		
	V or VS		400/450*	BT-37	CL or FL	9720	
	V or VS	750		BT-37	CL or FL	8012	
	V or VR		1000	BT-56	CL		
	V or VS		1000 Flat Lens	BT-37	FL		L2902
	V or VS	1000 Flat Lens		BT-37	FL	9756	
	V or VR	1000		T-25	CL	8611	
	VR		1000	BT-56	CL		8012
	VR		1000 Flat Lens	BT-37	FL		8903A
	VR	1000		T-25	CL	8490PH	
	F	1000		T-25	FL	11953	
	F		1000	BT-56	FL		8679D

* Available only in Pulse Start 70, 100, 150, 200, 450 MHP = Pulse Start

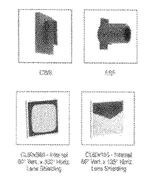
FL - FLAT LENS

REQUIRED CHOICES

FINISH		RAL NO.	VOLTAGES	MOUNTINGS	
BK	Black	9005	120	SA	Standard Arm (B2")
BW	White	9010	208	LA	Long Arm (B2")
DB	Bronze	8019	240	CWB	Cast Wall Bracket
SL	Silver	9006	277	ESF	External Slip Fitter (for 5-3/8" O.D. Pipe)
FG	Gray	7001	347		
CO	Custom	Specify Color	480		

OPTIONAL CHOICES

ELECTRICAL OPTIONS		OPTICAL OPTIONS		LIGHT TRESPASS OPTIONS	
FD	Single Fusing 120/277V	LX	Vandal Resistant Lens (SL-21 & SL-16 only)	CLB0x360	Internal 60° Vert. x 360° Horiz. Lens Shielding
FDD	Double Fusing 480V	CL	Convex glass (for SL-21 only) (Standard - acrylic)	CLB2x135	Internal 60° Vert. x 135° Horiz. Lens Shielding
FDFO	Double Fusing 208V/240V			HSS	House Side Shields (75° Standard) (required)
FDC	Single Fusing 347V			FL	Flat clear glass lens (see ordering information for availability)
FCT	Photo Cell and Receptacle				



There is no substitute for *Quality Lighting*. A Division of JJI Lighting Group Inc.

11600 MELROSE AVE. FRANKLIN PARK, IL 60131 - Phone (847) 451-0940 - FAX (847) 451-0786
e-mail: quality@mcs.com - www.qualitylighting.com
(SB2009) Specifications subject to change without notice. ©2009 Quality Lighting

FIXTURE TYPE S, S1, S2, SB

SPECIFICATIONS

HOUSING: One piece highly cooled formed aluminum, with integral reinforcements.
The fixtures are C-UL & UL listed "suitable for wet locations."

LENS AND LENS FRAME: Clear hard and impact resistant tempered glass lens, secured in an extruded aluminum door frame.
SV & SF fixtures with VS, V and VR distribution use square convex lens (unless otherwise noted), all others use square flat lens.
Note: Clear acrylic lens (SA) is standard on 24" vertically decorated poles.

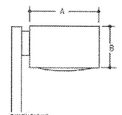
GASKETING: The lens is fully gasketed to the lens frame with closed cell neoprene. The lens door frame is gasketed to the housing with a dense silicone extrudat gasket featuring twin flexible extensions to provide a double seal.

INSTALLATION: Design SL housings are provided with a cast aluminum 2.5" arm for mounting a single fixture or twin fixtures at 180°.
A 13.5' long extruded aluminum arm (LA) is supplied for other mounting configurations.

REFLECTOR: Reflector systems can be easily rotated in 90° increments or interchanged without the use of tools. Design SL is available with the following reflector systems: 1) Type S (TM & 21 ") — square distribution, 2) Type VS — square distribution; 3) Type VR (27") — rectangular distribution; 4) Type 1 (16" & 21 ") — asymmetrical distribution; 5) Type III — asymmetrical distribution; 6) Type F — forward throw distribution; 7) Type 2 —asymmetrical distribution; 8) Type V — symmetrical distribution.

BALLAST: All CWA ballasts (+10% to -10% lamp power regulation) shall be tray mounted and supplied with quick-disconnects. Ballasts are rated for -20° F operation. All non CWA ballasts shall be HPF.

FINISH: Polyester powder coat, electrostatically applied, which is pretreated by a five stage pretreatment process including an iron phosphate priming stage for superior coating adhesion. This process meets or exceeds all ASTM testing requirements, including those for 1,000 - hour salt spray endurance testing.



DIMENSIONS

	16"	21"	27"
A	16.00" wo (406.4 mm)	21.00" wo. (533.4 mm)	27.00" wo. (686.8mm)
B	8.25" (209.6 mm)	11.00" (279.4 mm)	15.00" (381.0 mm)

EFFECTIVE PROJECTED AREA (EPA)

	16"	21"	27"
1 Fixture	1.30 sq. ft. (.12M²)	2.08 sq. ft. (.19M²)	3.85 sq. ft. (.35M²)
2 Fixtures	2.27 sq. ft. (.21M²)	3.19 sq. ft. (.30M²)	7.00 sq. ft. (.65M²)
3 @ 90°	3.50 sq. ft. (.33M²)	6.24 sq. ft. (.58M²)	11.50 sq. ft. (1.05M²)
3 @ 120°	4.50 sq. ft. (.42M²)	6.25 sq. ft. (.58M²)	11.50 sq. ft. (1.05M²)
4 @ 90°	4.50 sq. ft. (.42M²)	6.75 sq. ft. (.63M²)	11.50 sq. ft. (1.05M²)

WEIGHT

16"	21"	27"
45 lbs. (20.45 kgs)	64 lbs. (29.54 kgs)	77 lbs. (35 kgs)

S, S1, S2 - 30' POLE
SB - 24' POLE

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e-mail: quality@mcs.com - www.qualitylighting.com
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CASE NUMBER: LU-0812-007

REVISIONS			
BY	DATE	DESCRIPTION	
KDM	1/11/08	INITIAL CITY SUBMITTAL	
KDM	9/14/09	CITY COMMENTS #1	
KDM	9/11/09	MYLARS	

DRAWN BY: KDM
CHECKED BY: KDM
DESIGNED BY: KDM
FILENAME: SHEET 1.DWG

STREETS AT SOUTHGLENN
MASTER DEVELOPMENT PLAN

LIGHTING FIXTURE AND POLE DETAILS

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ARCHITECTURE
ENGINEERING PLANNING
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LAND SURVEYING

JOB NO.: 05.0199
SCALE:
DATE: NOV. 11, 2008
SHEET: 2008-11
5 OF 5