



690 Chesterfield Pkwy W • Chesterfield MO 63017-0760 Phone: 636-537-4000 • Fax 636-537-4798 • www.chesterfield.mo.us

May 13, 2010

Architectural Review Board City of Chesterfield 690 Chesterfield Parkway West Chesterfield, MO 63017

Re: <u>Chesterfield Commons West Lot 6B (Aldi's)</u>-A Site Development Section Plan Landscape Plan, Lighting Plan, Architectural Elevations, and Architects Statement of Design for a 1.1 acre tract of land zoned "PC" Planned Commercial District located on the west side of RHL Drive between THF Boulevard and Edison Avenue.

#### **Board Members:**

Weaver Boos Consultants and Woolpert Inc., have submitted on behalf of THF Chesterfield Three Development LLC, an Amended Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations and Architect's Statement of Design for the above referenced project. The Department of Planning and Public Works has reviewed this request and submits the following report.

#### **Submittal Information**

The request is for an 18,180 square foot retail building, located on Lot 6B of the Chesterfield Commons West subdivision. The subject site is zoned "PC" Planned Commercial District and is governed under the terms and conditions of City of Chesterfield Ordinance Number 2156. The exterior building materials will be comprised of cast stone, brick, EIFS, aluminum, CMU, metal and glass. The roof is proposed to be a flat PVC membrane roof surrounded by a parapet wall of varying height. Please see the attached checklist to review the project's compliance with the City of Chesterfield's Design Guidelines.

#### **Departmental Input**

The submittal was reviewed for compliance with the City of Chesterfield's Design Guidelines. In addition, the plan was reviewed for compliance with City of Chesterfield Ordinance 2156, which governs the site. Landscape and lighting are being addressed through site plan review for adherence to the City of

Chesterfield Tree Preservation and Landscape Requirements and the Lighting Ordinance.

## **Actions Requested**

The Department of Planning and Public Works requests action by the Architectural Review Board on the information presented.

Respectfully Submitted,

Chul Cuyo
Charlie Campo
Project Planner

Mara M. Perry, AICP

Respectfully Submitted,

Senior Planner

#### Attachments

1. ARB Design Review Checklist

2. Architectural Review Packet Submittal

#### ARCHITECTURAL REVIEW BOARD

Project Name: Chesterfield Commons West.,

Lot 6B (Aldi's)

Cart return and building equipment are screened

with walls and landscaping.

#### **Guidelines Review Checklist**

Date of Review: May 13, 2010 Comments and Reference (2) Addressed **Addressed with Guideline Description** as Written **Modification (1) Applicability and Compliance** General Requirements for Site Design X A. Site Relationships B. Circulation System and Access X Site circulation is being addressed through site plan review. Topography X The site is generally flat with a recessed loading dock at the rear of the building. X Retaining walls are only used for the recessed D. Retaining Walls loading dock. **General Requirements for Building Design** X Single story building is consistent with the Scale surrounding development. X Design X Materials and Color Materials and colors are consistent with the surrounding development. Χ Landscape Design and Screening Landscaping is being address through site plan review. NA Signage is not submitted for approval at this time. Signage X Building lighting has been addressed as written; F. Lighting site lighting is being addressed through site plan review. Use Type: X Service and pedestrian access locations are Access consistent with the surrounding development

X

Χ

X

Χ

Form revised: February 2009

**Exterior Elements** 

Scale

Site Design

Landscaping and Screening

<sup>(1)</sup> A check in this column refers to the item being addressed in the submission, but with potential variation from the guidelines that review by the Board is specifically requested.

<sup>(2)</sup> Comments provide additional information regarding the status of specific design guidelines.



## ARCHITECTURAL REVIEW BOARD Project Statistics and Checklist

Date of First Comment Letter Received from the City of Chesterfield 3-2-10

Project Title: Aldi Chesterfield Location: Chesterfield Commons	
Developer: Aldi, Inc Architect: Weaver Boos Engineer: Woolpert	
PROJECT STATISTICS:	
Size of site (in acres): 1.09 Total Square Footage: 18,180 Building Height: 22.5	' typ/28'
Proposed Usage: Grocery Store	
Exterior Building Materials: Cast stone, brick, EIFS cornice, alum. storefront, CN	<u>/IU, metal</u>
Roof Material & Design: PVC roofing membrane surrounded by varied parapet heigh	<u>t</u>
Screening Material & Design: 40"min cast stone masonry units on retaining wall	or footing
Description of art or architecturally significant features (if any): Projecting wall cornice art	iculated at
pilasters, signifying entrance tower, metal canopy w/ stainless steel tie rods, sconce acce	ent lighting.
ADDITIONAL PROJECT INFORMATION:	
Checklist: Items to be provided in an 11" x 17" format	
Color Site Plan with contours, site location map, and identification of adjacent use	s.
✓ Color elevations for all building faces.	
Color rendering or model reflecting proposed topography.	
✓ Photos reflecting all views of adjacent uses and sites.	
✓ Details of screening, retaining walls, etc.	
Section plans highlighting any building off-sets, etc. (as applicable)	
Architect's Statement of Design which clearly identifies how each section in the Guhas been addressed and the intent of the project.	ıidelines
✓ Landscape Plan.	
Lighting cut sheets for any proposed building lighting fixtures. (as applicable)	
Large exterior material samples. (to be brought to the ARB meeting)	
Any other exhibits which would aid understanding of the design proposal. (as app	licable)
✓ Pdf files of each document required.	

# WEAVER BOOS CONSULTANTS

#### ARCHITECT'S STATEMENT OF DESIGN FOR ALDI AT CHESTERFIELD COMMONS WEST, CHESTERFIELD, MO.

As the Architect for the project, Weaver Boos Consultants will design and provide construction documents for a new single story retail food store facility for ALDI Inc. ALDI is headquartered locally at 675 Pearl Drive in O'Fallon, Missouri. Nominal overall dimensions of the proposed Chesterfield facility are 99'-8" by 149', and overall square footage will be approximately 18,180 square feet. The ALDI building will generally match the exterior appearance of other buildings in the area, the most adjacent being the Home Depot located south of Chesterfield Airport Road, west of RHL Drive.

The front walls of the ALDI building will face the primary parking lot area to the north and RHL Drive on the east. There is also public parking at the east side of the proposed ALDI facility. The loading dock will be located on the south side, with unnamed future development being located to the west—between the proposed ALDI building and the existing Home Depot store.

Site topography is generally flat, and will gradually slope away from the building. Site design calls for a 17 foot wide sidewalk to be located north of the ALDI building, where the majority of the pedestrian and vehicular traffic will typically occur. Curbing will be discontinued for a length along the north sidewalk to allow barrier free access to the main entry/exit. Where the curbing is discontinued, decorative bollards and/or contrasting-color tactile warning strips will be used to delineate the pedestrian areas from the vehicular areas.

Shopping cart storage will be located at the north end of the east wall, under the overhanging canopy which occurs there. Carts will be visually screened by a 40 inch high masonry wall, the finish material for which will match corresponding building materials. It is planned that utility service entrances will be located at the east end of the south wall of the proposed ALDI building. Any meters or other associated utility equipment there will be screened using landscaping, as required. No site fencing is planned for this facility.

Using poured concrete retaining walls, the truckwell will be recessed. The trash dumpster will be located in the recessed truckwell, and is thus partially screened below grade. In addition there will be a 40" high masonry screen wall provided at both the northeast and southwest sides of the truckwell—atop the retaining walls. Masonry material used at the truckwell screen walls will match corresponding building finishes. Roof equipment screening will be achieved by the roof parapets, which are of varying height, along all perimeter walls of the ALDI building.

ARCHITECT'S STATEMENT OF DESIGN FOR ALDI AT CHESTERFIELD COMMONS WEST, CHESTERFIELD, MO. Page 2 of 2

The ALDI exterior building walls will be approximately 22-1/2 feet in height, with the exception of the tower element at the main entry/exit, which is approximately 28 feet. The canopy at the tower is approximately 10 feet above sidewalk, which effectively reduces the visual height there to human scale. Belt coursing in the masonry veneer is positioned to coordinate with ALDI wall openings, and also compliments similar banding at other buildings in the area. With the exception of the west wall, the exterior finishes used at the ALDI building will match, as closely as possible, finishes used at nearby buildings—in both material type and color/finish.

Because the west wall is a future demising wall, we propose to construct it to satisfy appropriate fire separation requirements. With the anticipation that it will be concealed by a future building we propose to replicate the appearance of the other ALDI building walls, but using less costly materials. Specifically, this would be rough or smooth faced concrete masonry units, painted to match the colors elsewhere on the building. The footing used will be the 'zero-lot-line' type so as to not encroach on the adjacent property.

Top-of-wall cornice elements and wall sconce exterior light fixtures on the ALDI building will also match or closely resemble those used at nearby buildings. Security lighting used on the exterior perimeter of the building will be of the type that throws only out of the bottom of the fixture. We understand that parking lot lighting will be furnished, installed and controlled by others.

ALDI signage at the entry/exit tower is positioned to be visible to customers as well as being integrated into the tower and canopy design. The internally lighted ALDI logo cabinet sign is recessed into the tower façade. Food Market signs are of the individual-letter type and are located at each the north and east sides of the canopy, and are also internally lighted. An internally lighted monument sign at the south side of the building identifies the vehicle entrance at that location.

The roofing used at the ALDI building will be a white-colored single ply membrane installed over a 4" thickness of R-24 polyisocyanurate roof insulation. The building envelope will be designed to meet or exceed all applicable energy design standards. ALDI will use high-efficiency heating and cooling equipment, including at the commercial refrigeration equipment, which is managed by an energy-saving Emerson Einstein E2/Hussmann Protocol CPC (computer process control) system.

It is our goal, along with ALDI, to provide a building at this location which satisfies the local design requirements. We trust that this summary demonstrates that intent. We will attempt to promptly respond to comments or questions that may arise regarding this matter.

Sincerely,

Wayne A. Koch NCARB, AIA, Project Director



## Indoor/Outdoor Emergency Lighting Unit

Catalog Number	
Comments	Туре

#### **FEATURES**

#### **Application**

The PG is an indoor/outdoor, die-cast architectural emergency unit. It is a wet location listed, emergency luminaire with high-output LED technology that provides path of egress illumination for mounting over entrance/exit ways and perimeter walkways. Spectron® self-testing/self-diagnostic electronics are included standard. A battery heater for cold temperature operation is available as an option.

#### Construction

Housing and mounting plate are constructed of 0.125" die-cast aluminum and 0.125" closed-cell, medium density, neoprene gasket. The acrylic lens allows 92% light transmission. The reflector is electro-polished aluminum with 95% reflectance. Housing finish is powder coated electro-deposition paint available in four colors: dark bronze, white, platinum silver and black.

#### Installation

Universal housing knockouts for mounting to standard 3<sup>1</sup>/<sub>2</sub>" and 4" octagon and 4" square electrical boxes. A <sup>1</sup>/<sub>2</sub>" – <sup>1</sup>/<sub>4</sub> NPT threaded conduit opening is provided at the top of the housing and sealed with a closure plug. The back plate mounts to the wall surface using installer supplied hardware. The housing "snaps" to the back plate by a "pin and socket" arrangement, and is secured with two Fillister head screws. AC Lockout feature prevents battery discharge prior to initial unit power-up saving installation time.

#### Lamps

Four high-output, long life LED lamps arranged in redundant pairs.

#### **Compliances**

UL 924 Listed (emergency models only) UL Wet Location Listed NFPA 101 Life Safety Code NFPA 70 National Electrical Code OSHA

#### Warranty

Three-years full for unit. electronics and battery.

### PATENTS PENDING



White



Dark Bronze

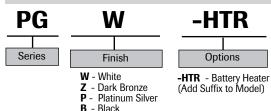


Platinum Silver



Black

#### **ORDERING GUIDE**



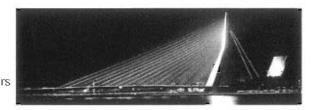
## **BEGA**

Company

**Projects** 

News

Contacts Parlners





Surface wall - half cone with guard

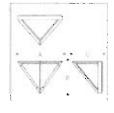
Designed for general purpose illumination for interior and exterior locations.

Wall mounted luminaires with die-cast aluminum frame. Heavy pressed crystal glass with internal texture and white ceramic coating.

U.L. listed, suitable for wet locations.

Protection class: iP65

Finish: Standard BEGA colors.



Polar Curve

#### **Technical Information**

- · Specification Sheet
- · Installation Instructions
- Catalog Spread

#### Submittal Drawings

- Download PDF
- Download DXF

#### Photometry

- Download IES File
- Download ISO-Template
- Download IES Library Application Photos
   Estimated Lead Time

View Product Family

† Back to Product Overview





#### **SPECIFICATIONS**

#### **Electronics**

Upon failure of the normal utility power, a solid-state transfer switch automatically activates the emergency lamp. Upon resumption of the normal utility power, the battery is disconnected from the load and recharged through a solid-state charging unit. A low voltage battery disconnect feature protects the battery from severe damage during prolonged power failures. Spectron® self-testing/self-diagnostic circuitry provides automatic system testing on a monthly and semi-annual basis. Manual testing is available at any time using the push-to-test button: push once for a 60-second system test; push twice for a 90-minute system test.

Number of Lamps: Four high output LEDs

Lamp Configuration: Two sets of 2 LEDs provide illumination. In the unlikely event that any single LED should fail the remaining

LEDs willcontinue to function.

Lamp Type: Solid state high output LEDs

Lamp Color: Cool White, 6350K Total Lamp Output: 405 Lumens Input: 120/277VAC, 60 Hz

Battery Charger: Temperature compensating, constant current

Transfer: Solid state

Functional Circuitry: AC lockout, transformer isolation, transient surge protection, low voltage battery disconnect, brownout

detection, time delay retransfer

Battery Recharge Cycle: per UL time standards

Test Means: Integral test switch

Battery: Sealed, maintenance-free Nickel-Cadmium Operating Temperature Range for Models without Heater:

0°C to 50°C (32°F to 122°F)

Operating Temperature Range for Models with Heater:

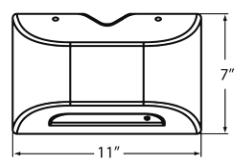
-30°C to 50°C (-22°F to 122°F)

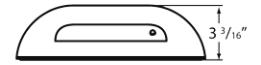
#### **Power Consumption**

Models Without Heater		Models With Heater	
120VAC	2.78 watts	120VAC	15.2 watts
277VAC	2.88 watts	277VAC	15.7 watts

Power factor, average: 0.8 (lagging)

#### **DIMENSIONS**



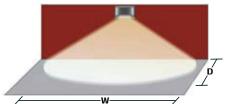


#### **ILLUMINATION PATTERN**

### Single Unit Coverage

Mounting Height: 9' Outdoor Reflectance: 0/30/10

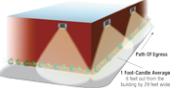
Indoor Reflectance: 80/50/20



	Indoor	Outdoor
1 FC Average (W x D)	33' X 10'	27' X 10'
1 FC Minimum (W x D)	10' X 10'	9' X 10'

### **Multiple Unit Spacing**

Mounting Height: 9'
Illuminated Path Depth: 6'
Outdoor Reflectance: 30/10
Indoor Reflectance: 80/50/20



	Indoor	Outdoor
1 FC Average	44'	33'
1 FC Minimum	16'	15'

#### Dual-Lite • www.dual-lite.com

## TRAPEZOIDAL WALL SCONCE



The TWS Series trapezoidal wall sconce offers unique styling and maximum versatility with two sizes, multiple light sources, and a variety of finishes. The downlight-only design features a maximum cutoff distribution with exceptional horizontal illumination.





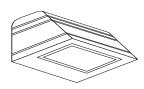


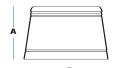
## **Fixture Specifications**

#### **FEATURES**

- Durable cast aluminum housing\*
- Integrated design eliminates high angle brightness
- · Luminaire finished in weatherproof powder-coat paint
- Completely sealed, flat tempered glass lens suitable for use in wet location
- Ships complete with lamp

#### **DIMENSIONS**







	A	В	С
TWSMC	7.0"	16.5"	9.25"
TWSL	9.45"	24.0"	13.75"

#### **ORDERING INFORMATION**

#### **SAMPLE CATALOG NUMBER**



SERIES	
TWSMC	Trapezoidal Wall Sconce Medium (Cast)
TWSL	Trapezoidal Wall Sconce Large

WATTAG	E/SOURCE'				
	TWSMC				
<b>70PMH</b>	70 watt pulse start metal halide				
100PMH	100 watt pulse start metal halide				
150PMH	150 watt pulse start metal halide				
70HPS	70 watt high pressure sodium				
100HPS	100 watt high pressure sodium				
150HPS	150 watt high pressure sodium				
26QF	26 watt quad tube fluorescent				
32TRF	32 watt triple tube fluorescent				
42TRF	42 watt triple tube fluorescent				
30LED	30 watt LED				

TWC			
TWSL			
250 watt metal halide			
400 watt metal halide			
250 watt high pressure sodium			
400 watt high pressure sodium			
(2) 42 watt triple tube fluorescent			

242	TRF (2) 42 watt triple tube fluorescent
DIS	TRIBUTION
WD	Wide distribution (standard)
FT	Forward throw (TWSMC only)

FINIS	SH²
DB	Dark Bronze
BK	Black
WH	White
PS	Platinum Silver

120 volt	
277 volt	
Multi-Tap	
	277 volt

OPTIONS					
QSL	Quartz re-strike with lamp				
PC	Button-type photocell (must specify voltage)				
F	Single fusing				
FF	Double fusing				
EM123	1 MRII/MR16 two pin socket for 12v power				
	(by others) 35w max. 35w MR11 lamp				
	included.				
<b>2EM12</b> <sup>3</sup> 2 MRII/MR16 two pin sockets for 12v					
	power (by others) 35w max. 35w MR11				

Remote emergency ballast (fluorescent only)

- Consult factory for other lamp wattages and sources.
   Other finishes available. Consult factory.
   TWSL housing formed aluminum only. Cast version to be

lamp included

- 3 Not available with LED source



A HUBBELL LIGHTING, INC. COMPANY





#### KVF2 1000M SYMFL - OUTDOOR PHOTOMETRIC REPORT

TEST #:

LTL11378

ISSUE DATE:

1/31/2008

CATALOG #:

KVF2 1000M SYMFL

LUMINAIRE:

SQUARE AREA LIGHT, SYMMETRIC DISTRIBUTION, FLAT

LENS

MEETS THE 'NIGHTTIME FRIENDLY' CRITERIA

LAMP CAT #:

M1000/U/BT37

LAMP:

ONE 1000-WATT CLEAR BT-37 METAL HALIDE, VERTICAL

BASE-UP POSITION.

LAMP OUTPUT:

1 LAMP(S), RATED LUMENS/LAMP: 110000

INPUT WATTAGE:

1080

LUMINOUS OPENING: CIRCULAR (DIA: -1.58FT)

EFFICIENCY:

60%

TER CATAGORY:

AREA & SITE LIGHT - TYPE IV

TER VALUE:

30

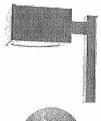
MAX CD:

28,173.0 AT HORIZONTAL: 45°, VERTICAL: 65°

CUTOFF CLASS: ROADWAY CLASS:

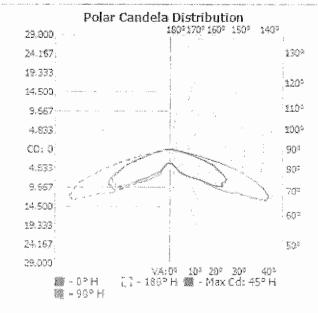
FULL CUTOFF

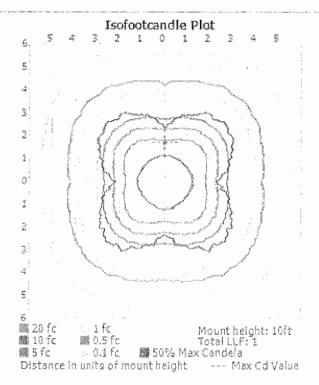
, TYPE VS





Product Page Specification Sheet

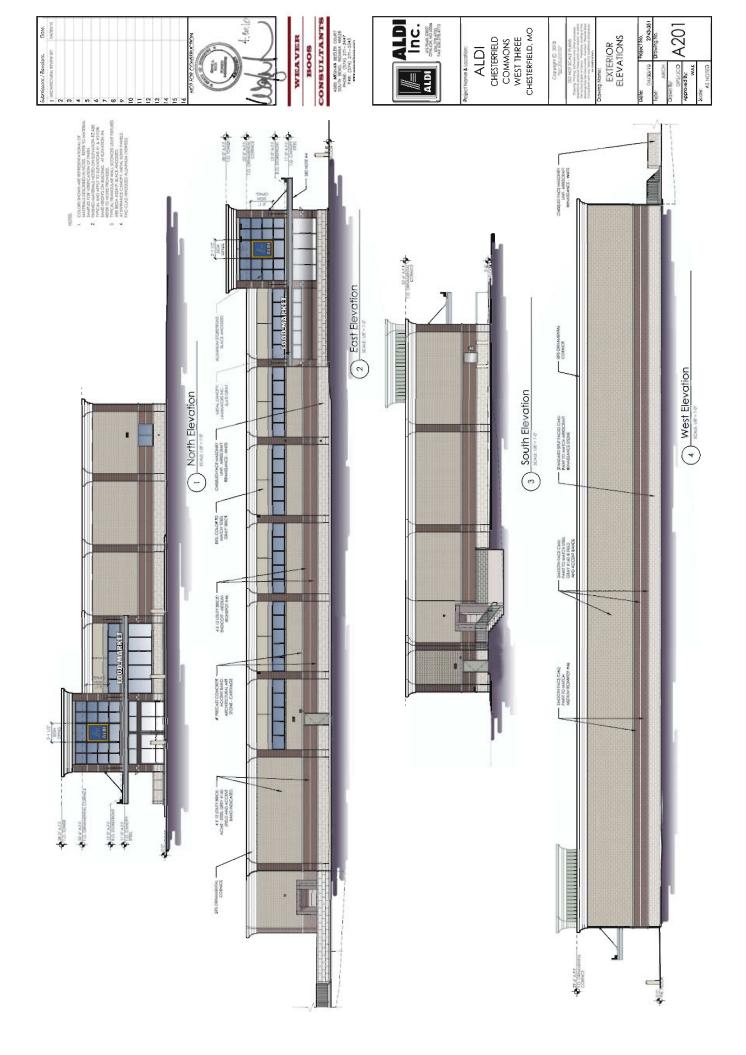


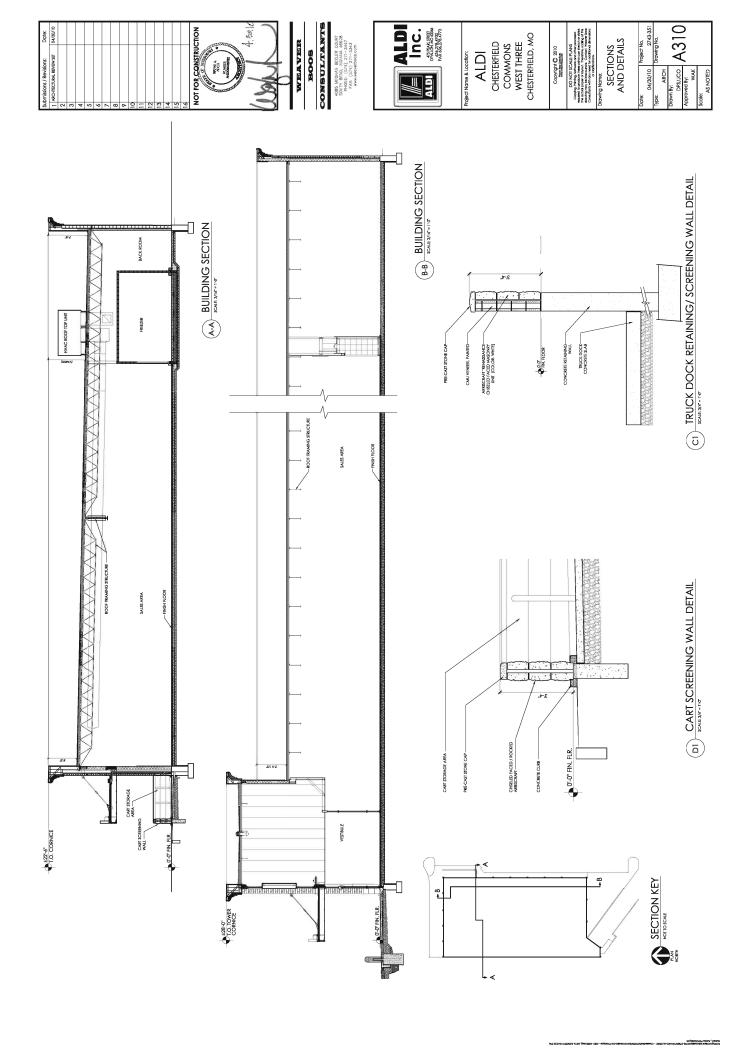


LUMENS PER ZONE								
ZONE		% TOTAL	ZONE	LUMENS %	TOTAL			
0-10	341.9	0.5%	90-100	0	0%			
10-20	1,257.3	1.9%	100-110	0	0%			
20-30	3,043.8	4.6%	110-120	0	0%			
30-40	5,389.1	8.1%	120-130	0	0%			
40-50	9,096.0	13.7%	130-140	0	0%			
50-60	15,937.1	23.9%	140-150	0	0%			

ZONAL LUMEN SUMMARY							
ZONE	LUMENS	% LAMP	% LUMINAIRE				
0-30	4,642.9	4.2%	7%				
0-40	10,032.0	9.1%	15.1%				
0-60	35,065.1	31.9%	52.7%				
60-90	31,485.8	28.6%	47.3%				
0-90	66,550.9	60.5%	100%				
90-180	0	0%	0%				







3TAG .oN

343 Fountains Parkway, Sulte 100
Pairwell Hilmons
62208-2044
616 632 7004
FAX: 618,632,0100

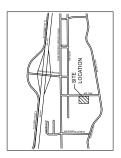
#### COLOR SITE PLAN

LOT 68 OF CHESTERFIELD COMMONS WEST PLAT 3, RHL DRIVE CHESTERFIELD, MISSOURI

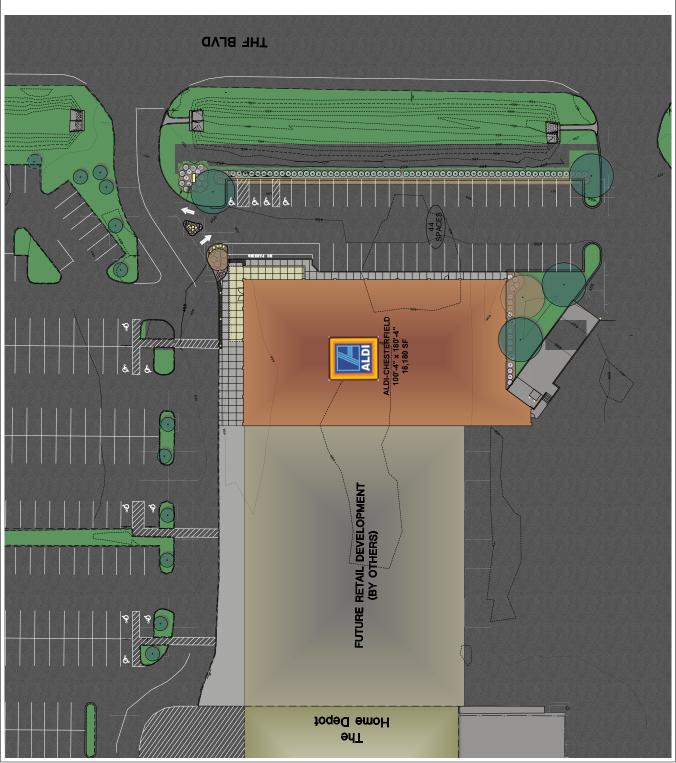
## ALDI, INC. CHESTERFIELD COMMONS THREE

HEET NO.





REVISION



2

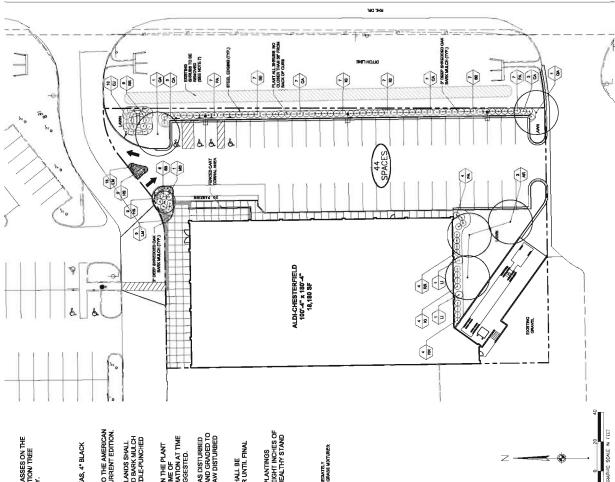
ОНЕЗДЕВЫЕГР' МІЗЗОПЫ

WOOLPERT

343 Fountains Porkwoy, Foirviow Holghts, Illinois 62208–2044 618,632,7004 FAX: 618,632,0100

# CKD' ZR DES TO DES

ALDI, INC.
CHESTERFIELD COMMONS THREE



LANDSCAPE NOTES:

- 1. THERE ARE NO EXISTING TREESY TREE MASSES ON THE SITE AND THEREFORE A TREE STAND DELINEATION TREE PRESERVATION PLAN WILL NOT BE NECESSARY.
- OPEN SPACE CALCULATIONS: SITE S.F.= +/- 47.485 % OF OPEN SPACE = +/- 20%
- 3. WHERE PLANTING BEDS ABUT LAWN AREAS, 4" BLACK STEEL EDGING SHALL BE USED.
- ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERYMEN, ANSI Z80.1, CURRENT EDITION.

SPECIFIED PLANTING NICK AND TO REMOVE ANY APPROPRIES A TAMP TO SECULIS

- 5. ALL PLANTED AREAS AND LANDSCAPE ISLANDS SHALL RECEIVER A 9. LANTER OF SHREDDED HADWOOD BARK MILCH OVER A 102, WOKEN POLYPROPYLENE, NEEDLE-PUNCHED FABRIC, WEED BARRIER
- 6. THE SIZES OF PLANT MATERIAL SHOWN IN THE PLANT CHART ARE THE MINIMUM RECUINED AT THE TIME OF PLANTING. CONTRACTOR TO PROVIDE INFORMATION AT TIME OF BIDDING IF ALTERNATE MATERIALS ARE SUGGESTED.

N.T.S.

EVERGREEN PLANTING DETAIL

- 7. EXISTING SHRUBS TO BE REMOVED. AREAS DISTURBED BY REMOVAL SHALL BE FILLED WITH TOPSOIL AND GRADED TO MATCH SUBROUNDING GRADE. SEED AND STRAW DISTURBED AREAS.
  - 6. ALL LANDSCAPE MATERIAL INSTALLED SHALL BE MAINTAINED BY THE LANDSCAPE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE OWNER.
- 9. ALL DISTURBED AREAS NOT RECEIVING PLANTINGS (INOLLUDING RIGHTCOF-WAYS) SYALL RECEIVE EIGHT INCHES OF TOPSOIL, SEED, MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS SET/ABI/SHED.

# PERMANENT SEEDING

A NOUS SPEDDED OAK BARK AL 4 MAIN DEEP BLUCK 2 PGF INCE WIN RIZ GALM NATE & 1/2" HOSE LOOP BARCHLL MAI LINDSTURED SUBSOL.

REMOVE BURLAP & ROPE FROM TOP 1/3 OF THE BAL

DOUBLE STRANG 12 GAUGE WAS CONTRELL W/2-PLY RUBBER HOSE WHITE FLAGGING (TYP.)

8" 2-FLY RUBBER HOSE

PLAN

ALL FIL AND CUT SLOPES SHOULD BE SPEDED INMEDIATELY AFTER CONSTRUCTION, SEED TO THE FOLLOWING GRASS MIXTURES:

86 TURF TYPE TALL FESCUE (TRIPLE BLEND) 86 12-12-12 FERTLIZER (SEE SPECIFICATIONS 1 1/2 BALES OF STRAW PER 1000 SQUARE FI TEMPORARY SEEDING 28 TALL FEBGUE 28 PERDANAL RYEGRASS S 8 12-12-12 FERTILIZER 1 12 BALES OF SITAM PER 1000 SQUARE FEET

3" INDJES SHREDDED OAK BARK NULCH

TREE PLANTING DETAIL

REMOVE BLELIP & SOFE FROM TOP 1/3 OF BALL

SHRUB PLANTING DETAIL



82258 1 1 1 1 2 2

ïï

I I

State (\*Oro Daydy Creeping Layour

11111

