



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

Planning Commission Staff Report

Project type: Site Development Section Plan

Meeting Date: November 28, 2011

From: Kristian Corbin, Project Planner

Location: Spirit Trade Center, Lot 12A

Applicant: Pets and Company,

Description: **Spirit Trade Center, Lot 12A (Pets and Company):** A Site Development Section Plan, Landscape Plan, Lighting Plan, Architectural Elevations for a 2.01 acre “LI” Light Industrial District – zoned property located a half mile southwest of the intersection of Chesterfield Airport Road and Trade Center Boulevard.

PROPOSAL SUMMARY

Stock and Associates, on behalf of GHH Investments, LLC and Pets and Company, LLC have submitted a Site Development Section Plan, Landscape Plan, Lighting Plan and Architectural Elevations for Planning Commission review. The request is for a new 10,297 square foot pet kennel located on lot 12A of the Spirit Trade Center subdivision. The proposed materials are composed of stone veneer and E.F.I.S. with a roof comprised of architectural fiberglass shingles.

LAND USE AND ZONING HISTORY OF THE SUBJECT SITE

Lot 12A and 12D are a part of the Spirit Trade Center Development which was zoned “M3” Planned Industrial District by St. Louis County Ordinance 13,838 in 1988. In 1992, the City of Chesterfield approved Ordinance 656 to reduce the road right-of-way for Edison Avenue.

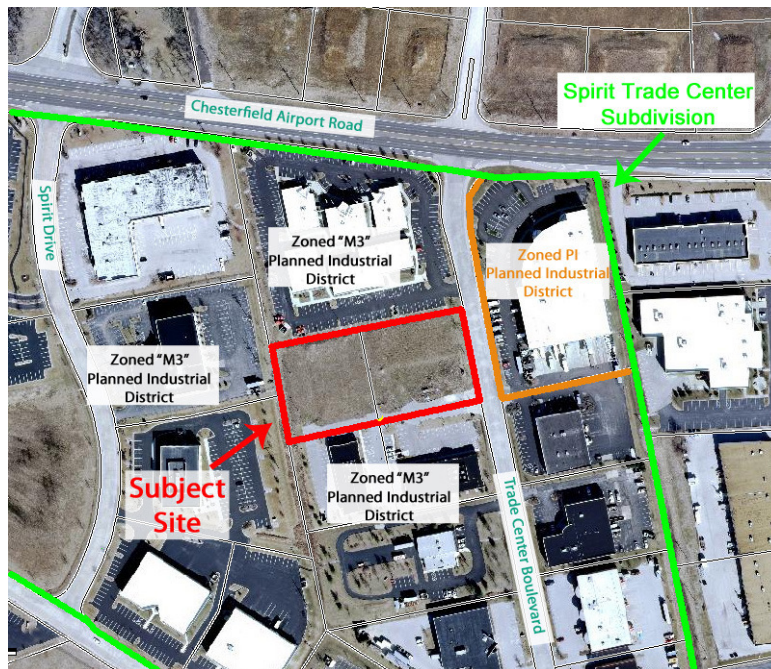
The boundary of the “M-3” Planned Industrial District was changed via City of Chesterfield Ordinance 1156 on April 15, 1996. Ordinance 1156 amended St. Louis County Ordinance 13,838 and City of Chesterfield Ordinance 656 and repealed City of Chesterfield Ordinance 870. On September 15, 1997, the City of Chesterfield adopted Ordinance 1312 which amended Ordinance 1156 allowing for fraternal organizations within the established District. On July 20, 1998, the City of Chesterfield adopted Ordinance 1430 which reduced the side yard setback for 660 Goddard Avenue. The side yard setback changed from ten (10) feet to three (3) feet from the northern boundary and from ten (10) feet to nine (9) feet on the southern boundary.

On August 15, 2011, a Boundary Adjustment Plat was approved to remove a lot line consolidating the two (2) parcels into one (1) allowing for the subject site to meet minimum lot size requirement for the “LI” Light Industrial District.

Most recently, City of Chesterfield Ordinance 2675 was approved in October of 2011 changing the zoning from “M3” Planned Industrial District to “LI” Light Industrial District.

LAND USE AND ZONING OF SURROUNDING PROPERTIES

Direction	Subdivision	Zoning
North	Spirit Trade Center	“M3” Planned Industrial District
South	Spirit Trade Center	“M3” Planned Industrial District
East	Spirit Trade Center	“PI” Planned Industrial District
West	Spirit Trade Center	“M3” Planned Industrial District



STAFF ANALYSIS

Zoning

The subject site is currently zoned "LI" Light Industrial District under the terms and conditions of Section 1003.152 Light Industrial District of the City of Chesterfield Zoning Ordinance. The submittal was reviewed against the requirements of Section 1003.152 Light Industrial District and all applicable Zoning Ordinance Requirements. The site adheres to the applicable Zoning Ordinance requirements.

Traffic/Access and Circulation

Access to the site is part of a shared entrance with Lots 12B and 12C. Parking is located along the southern length of the property adjacent to a walkway leading to the building entrance. There is clear separation of pedestrian traffic and vehicular traffic proposed by the applicant. Access to the trash enclosure has been placed separate from the general parking area. This proposed location will have no impact of vehicular circulation throughout the subject site.

Parking

Parking for the "Boarding, Kennel" use is at a rate of 2.5 per 1,000 gross floor area. Based on this rate, 25 parking spaces are required for this structure. There are 26 proposed parking spaces located along the southern portion of the subject site. The number of parking spaces provided meets the requirements of the Off-Street Parking, Stacking and Loading Space Requirements of the City of Chesterfield Zoning Ordinance.

Landscaping

A Landscape Plan was submitted showing vegetation throughout the dog play area. Shrubs are utilized to screen ground-level utilities and to line the corners of the dog play area. Evergreens have been selected to further screen the trash area in addition to the trash enclosure that utilizes the same materials as the structure. The City Arborist has reviewed the Landscape Plan and had no additional comments.

Lighting

The Lighting Plan depicts the building and parking lot lighting for the subject site. The proposed light standards and foot candle levels adhere to the City of Chesterfield Lighting Ordinance requirements. The applicant is proposing decorative lighting lamp fixtures for the dog play area (see cut-sheets).

Architectural Elevations

The project was reviewed by the Architectural Review Board on November 10, 2011. During the meeting, the Board generated comments/recommendations for the petitioner to consider and address accordingly. A motion was passed to forward the project to Planning Commission with a recommendation for approval by a vote of 5-0. There was only one recommendation made by the Architectural Review Board which is listed on the next page along with the petitioner's response.

1. The applicant to find an architecturally suitable fencing material to replace the Type B vinyl-coated fencing (chain link).
- The applicant elected to utilize a black aluminum decorative style fence around the dog play area. The proposed fencing meets the architectural review board standards.

DEPARTMENTAL INPUT

Staff has reviewed the Site Development Section Plan, Landscape Plan, Architectural Elevations and Lighting Plan and found the proposal to be in conformance with site specific ordinance and all other applicable Zoning Ordinance requirements. Staff recommends approval of the proposal as presented.

MOTION

The following options are provided to the Planning Commission for consideration relative to this application:

- 1) "I move to approve (or deny) the Site Development Section Plan, Landscape Plan, Lighting Plan and Architectural Elevations for Spirit Trade center, Lot 12A Pets and Company."
- 2) "I move to approve the Site Development Section Plan, Landscape Plan, Lighting Plan and Architectural Elevations for Spirit Trade Center, Lot 12A Pets and Company, with the following conditions..." (Conditions may be added, eliminated, altered or modified)

Cc: Michael G. Herring, City Administrator
Rob Heggie, City Attorney
Michael O. Geisel, Director of Planning, Public Works, and Parks
Aimee Nassif, Planning and Development Services Director

Attachments: Site Development Section Plan
Landscape Plan
Lighting Plan
Architectural Elevations

GENERAL NOTES

- BOUNDARY AND TOPOGRAPHIC SURVEY BY STOCK & ASSOCIATES CONSULTING ENGINEERS, INC.
- ALL UTILITIES SHOWN HAVE BEEN LOCATED BY THE ENGINEER FROM AVAILABLE RECORDS. THEIR LOCATION SHOULD BE CONSIDERED APPROXIMATE. THE CONTRACTOR HAS THE RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES, PRIOR TO CONSTRUCTION, TO HAVE EXISTING UTILITIES FIELD LOCATED.
- NO GRADE SHALL EXCEED 3:1 SLOPE.
- MIN. LOT AREA (1003.165.4.A.): 45,000 SF < 87,885 SF PROVIDED, O.K.
- MIN. LOT WIDTH (1003.165.4.B.): 100' < 205.63' PROVIDED, O.K.
- MAX. HT. (1003.165.4.C.): 35' > 27'-10" TO PEAK OF ROOF (10/24/2011 FSA), O.K.
- PARKING CALCULATIONS:
PARKING REQUIRED (1003.165.4.E.):
KENNEL: 2.5 SP/1,000 GFA x 9,870 GFA = 25 SPACES
PARKING PROVIDED:
STANDARD 9'x19' = 24 SPACES
HANDICAP = 2 SPACES
TOTAL = 26 SPACES
- OPENSACE CALCULATIONS (ORD 2512, IV.19., 1003.152.4.D.):
BUILDING FOOTPRINT (10/4/2011 FSA): 10,297 S.F.
VEHICLE PAVEMENT (DRIVES, PARKING): 17,808S.F.
TRASH ENCL: 168 S.F.
SITE COVERAGE: 28,273 S.F.
OPENSACE: 87,885 - 28,273 S.F. = 59,612 SF
OPENSACE %: 59,612/87,885 X 100 = 68% > 35%, O.K.
- F.A.R. (1003.152.4.F.) = 9,870 GFA/87,885 SF SITE = 0.11 < 0.40, O.K.
- GRADING AND STORM WATER PER M.S.D. AND THE CITY OF CHESTERFIELD, MISSOURI.
- STORMWATER SHALL BE DISCHARGED AT ADEQUATE NATURAL DISCHARGE POINT.
- NO STEP ALLOWED AT ACCESSIBLE ENTRANCE DOORS.
- ALL ENERGY AND TELEPHONE DISTRIBUTION LINES SHALL BE INSTALLED UNDERGROUND, EXCEPT THOSE OVERHEAD DISTRIBUTION FEEDER LINES NECESSARY TO SERVE THE SUBDIVISION AND IN LOCATIONS AS APPROVED BY THE CITY.
- APPROVAL OF SIGN LOCATIONS DOES NOT CONSTITUTE SIGN APPROVAL. SIGN APPROVAL IS A SEPARATE PROCESS.
- PLANS SUBJECT TO CHANGE PENDING AGENCY REVIEWS AND FINAL ENGINEERING.
- BE ADVISED, A FLOOD PLAIN DEVELOPMENT PERMIT WILL BE REQUIRED PRIOR TO THE ISSUANCE OF A LAND DISTURBANCE PERMIT. AN ELEVATION CERTIFICATE WILL BE REQUIRED PRIOR TO RELEASE OF THE FUTURE GRADING SURETY.
- BE ADVISED, MSD APPROVAL REQUIRED PRIOR TO THE ISSUANCE OF A LAND DISTURBANCE PERMIT.

C & M CREATIONS, LLC
In connection with a change of zoning for the following described property from M3 (prior zoning) to LI (present zoning)

C & M CREATIONS, LLC, the owner(s) of the property (Name of Owner(s)) shown on this plan for and in consideration of being granted a permit to develop property under the provisions of Chapter 1003, LIGHT INDUSTRIAL (applicable subsection) of the City of Chesterfield Ordinance No. _____ do hereby agree and declare that said property from the date of recording this plan shall be developed only as shown thereon, unless said plan is amended by the Planning Commission, or voided or vacated by order of the City of Chesterfield Council.

(Signature): _____
(Name Typed): _____

STATE OF MISSOURI)
COUNTY OF ST. LOUIS)

On this _____ day of _____, A.D., 2011, before me personally appeared _____, to me known, who, being by me duly sworn in, did say that he/she is the _____ of C & M CREATIONS, LLC, a corporation in the State of Missouri, and that the seal affixed to the foregoing instruments is the corporate seal of said corporation, and that said instrument was signed on behalf of said corporation by authority of its Board of Directors, and the said _____ acknowledged said instrument to be the free act and deed of said corporation.

IN WITNESS WHEREOF, I have signed and sealed the foregoing the day and year first above written.

Notary Public
Print Name

My commission expires: _____

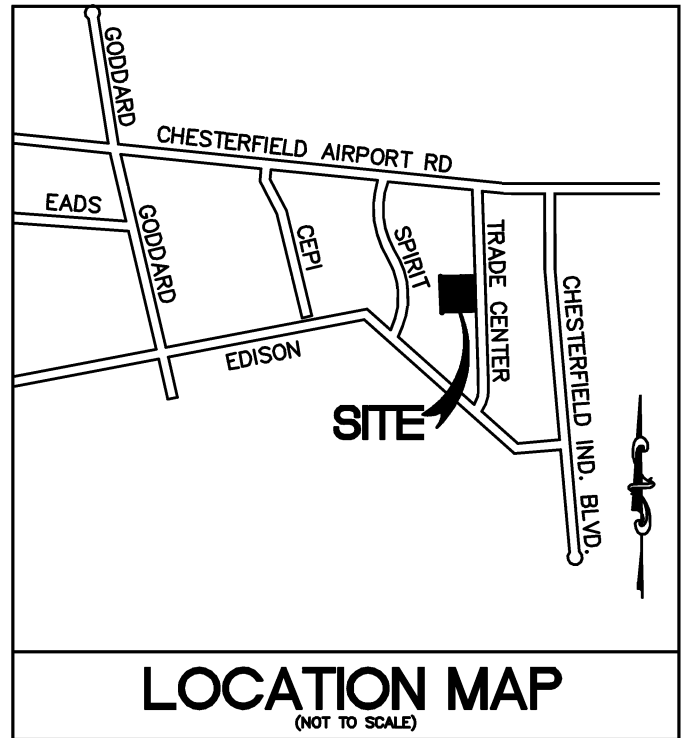
This Site Development Section Plan was approved by the City of Chesterfield Planning Commission and duly verified on the _____ day of _____, 2011, by the Chairperson of said Commission, authorizing the recording of this Site Development Section Plan pursuant to Chesterfield Ordinance Number 200, as attested by the Planning and Development Services Director.

Aimee E. Nassif, AICP
Planning and Development Services Director
City of Chesterfield, Missouri

Judith Nagler, City Clerk
City of Chesterfield, Missouri

PREPARED FOR:
C&M CREATIONS LLC
2055 HIGHWAY T
FORISTELL, MISSOURI 63348
ATTN: MEREDITH GOLDENHERSH
PHONE: 636-398-4934, CEL 636-697-3096
FAX: 636-698-4934
MEREDITHGOLDENHERSH@YAHOO.COM

FEELER SCHEER ARCHITECTS LLC
17269 WILD HORSE CREEK RD, SUITE 210
CHESTERFIELD, MO 63005
ATTN: MIKE LEHR
PHONE: 636-530-7362
FAX: 636-530-7363
MLEHR@FSASTL.COM



ABBREVIATIONS

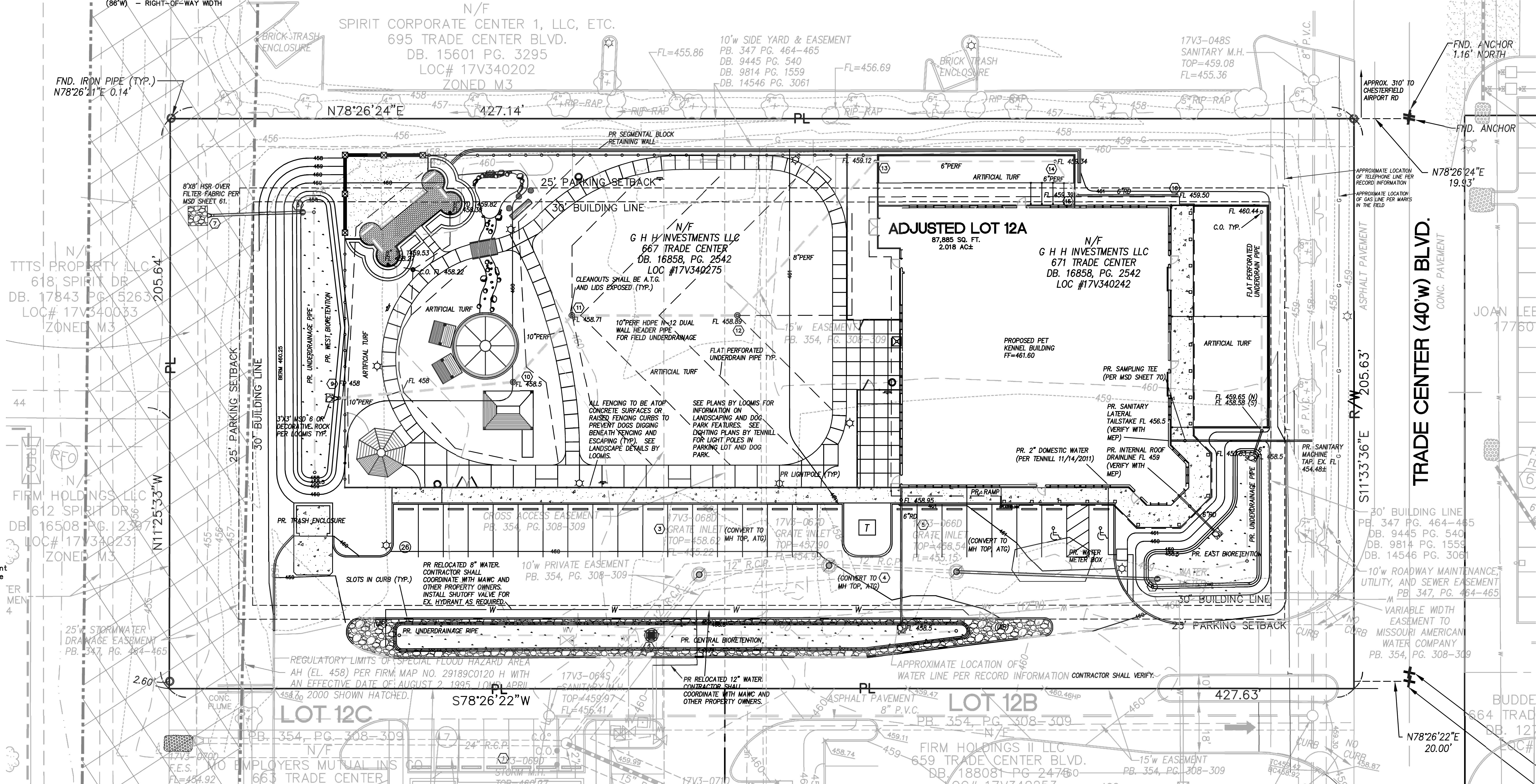
C.O.	-	CLEANOUT
DB.	-	DEED BOOK
E.	-	ELECTRIC
FL.	-	FLOWLINE
FT.	-	FEET
FND.	-	FOUND
G.	-	GAS
M.H.	-	MANHOLE
N/F.	-	NOW OR FORMERLY
PG.	-	PLAT BOOK
PG.	-	PAGE
P.V.C.	-	POLYVINYL CHLORIDE PIPE
R.C.P.	-	REINFORCED CONCRETE PIPE
SO.	-	SQUARE
T.	-	TELEPHONE CABLE
V.C.P.	-	VETRIFIED CLAY PIPE
W.	-	WATER
	-	RIGHT-OF-WAY WIDTH

PERTINENT DATA

OWNER UNDER CONTRACT	=	C&M CREATIONS
ZONING	=	LI
FIRE DISTRICT	=	MONARCH FIRE PROTECTION DISTRICT
SCHOOL DISTRICT	=	ROCKWOOD R6
SEWER DISTRICT	=	M.S.D.
WATER SHED	=	BONHOMME CREEK
WATER SERVICE	=	MO-AMERICAN
GAS SERVICE	=	LA CLODE GAS COMPANY
ELECTRIC SERVICE	=	AMEREN
PHONE SERVICE	=	ATT

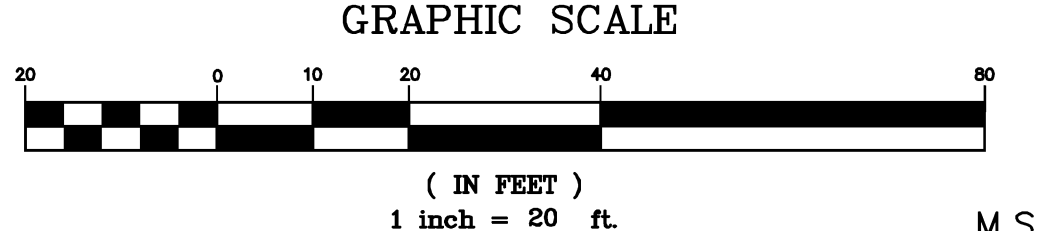
SITE DEVELOPMENT SECTION PLAN

OF PROPOSED "ADJUSTED LOT 12A OF THE BOUNDARY ADJUSTMENT PLAT OF LOTS 12A AND 12D OF THE RESUBDIVISION PLAT OF LOT 12 OF THE BOUNDARY ADJUSTMENT PLAT OF LOTS 12 AND 13 OF SPIRIT TRADE CENTER PLAT TWO AS RECORDED IN PLAT BOOK 354, PAGES 308-309" AS RECORDED IN PLAT BOOK _____ PAGE _____ LOCATED IN U.S. SURVEY 419 AND 1010, TOWNSHIP 45 NORTH, RANGE 3 EAST OF THE 5TH PRINCIPAL MERIDIAN, CITY OF CHESTERFIELD, ST. LOUIS COUNTY, MISSOURI



SURVEYOR'S CERTIFICATION
This is to certify that Stock and Associates Consulting Engineers, Inc. has prepared this Site Development Section Plan from an actual survey. The information shown is a correct representation of all existing and proposed land divisions.

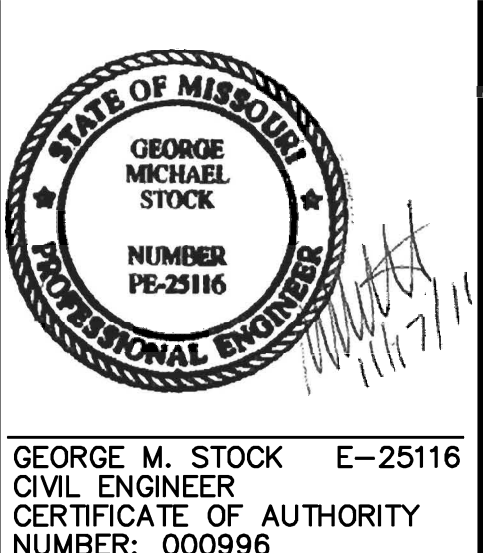
STOCK AND ASSOCIATES CONSULTING ENGINEERS INC.
L.S. No. 222-D



PROPERTY DESCRIPTION
A tract of land being Lots 12A and 12D of the Resubdivision Plat of Lot 12 of the Boundary Adjustment Plat of Lots 12 and 13 of Spirit Trade Center Plat Two as recorded in Plat Book 354, Pages 308 and 309 located in U.S. Survey 419 and 1010, Township 45 North, Range 3 East of the Fifth Principal Meridian, City of Chesterfield, St. Louis County, Missouri being more particularly described as follows:
Beginning at the intersection of the west line of Trade Center Boulevard, 40' wide with the south line of Lot 14 of Spirit Trade Center Plat Two, a subdivision according to the plat thereof recorded in Plat Book 347, page 464 of above said records, said point also being the northeastern corner of above said Lot 12A, from which a found iron pipe bears South 78 degrees 26 minutes 21 seconds West 0.17 feet; thence southwesterly along said west line, South 11 degrees 33 minutes 36 seconds East, 205.63 feet to the northeastern corner of Lot 12B of above said Resubdivision Plat; thence along the north line of Lots 12B and 12C of said Resubdivision Plat, South 78 degrees 26 minutes 22 seconds West, 427.63 feet to the east line of Lot 6 of Spirit Trade Center Plat One, a subdivision according to the plat thereof recorded in Plat Book 320, Pages 44 and 45 of above said records; thence along the east line of Lots 6 and 5 of said Spirit Trade Center Plat One, North 11 degrees 25 minutes 33 seconds West, 205.64 feet, to the northwestern corner of above said Lot 12D, from which a found iron pipe bears North 78 degrees 26 minutes 21 seconds East 0.14 feet, said point also being located on the south line of the aforementioned Lot 14 of Spirit Trade Center Plat Two of the above said records; thence along said south line North 78 degrees 26 minutes 24 seconds East, 427.14 feet to the Point of Beginning and containing 87,885 square feet or 2.018 acres more or less according to calculations performed by Stock and Associates Consulting Engineers, Inc. on July 27, 2011.

ST. LOUIS COUNTY BENCHMARK

11-59: ELEV=461.50 "U" ON BACK OF ROLLED CURB, 107' SOUTH OF CL OF CHESTERFIELD AIRPORT ROAD AND 13' WEST OF CL OF GODDARD AVENUE.
SITE BENCHMARK
ELEV=461.06 "RAILROAD SPIKE" IN TELEPHONE POLE 75' SOUTH OF CHESTERFIELD AIRPORT ROAD AND BETWEEN SPIRIT DRIVE AND TRADE CENTER DRIVE



10/31/2011 CITY SUBMITTAL
10/20/2011 MSD SUBMITTAL
11/17/2011 CITY, MSD SUBMITTAL

M.S.D. P# 26769-01
BASE MAP # 17-V

CLUB DOG

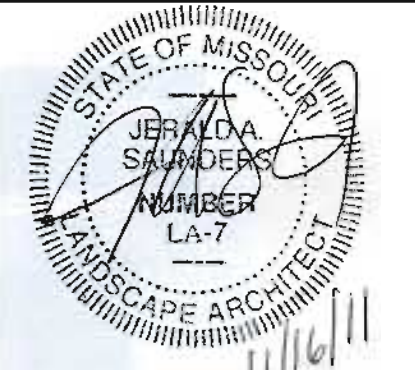
SITE DEVELOPMENT SECTION PLAN

STOCK & ASSOCIATES
Consulting Engineers, Inc.

257 Chesterfield Business Parkway
St. Louis, MO 63005
PH. (636) 530-9100
FAX (636) 530-9130
e-mail: general@stockassoc.com
Web: www.stockassoc.com

GEORGE M. STOCK
CIVIL ENGINEER
CERTIFICATE OF AUTHORITY
NUMBER: 000996

DRAWN BY: C.A.M. 10/04/2011
DATE CHECKED BY: G.M.S. 10/04/2011
DATE JOB NUMBER: 211-4810
SHEET: SDSP 1

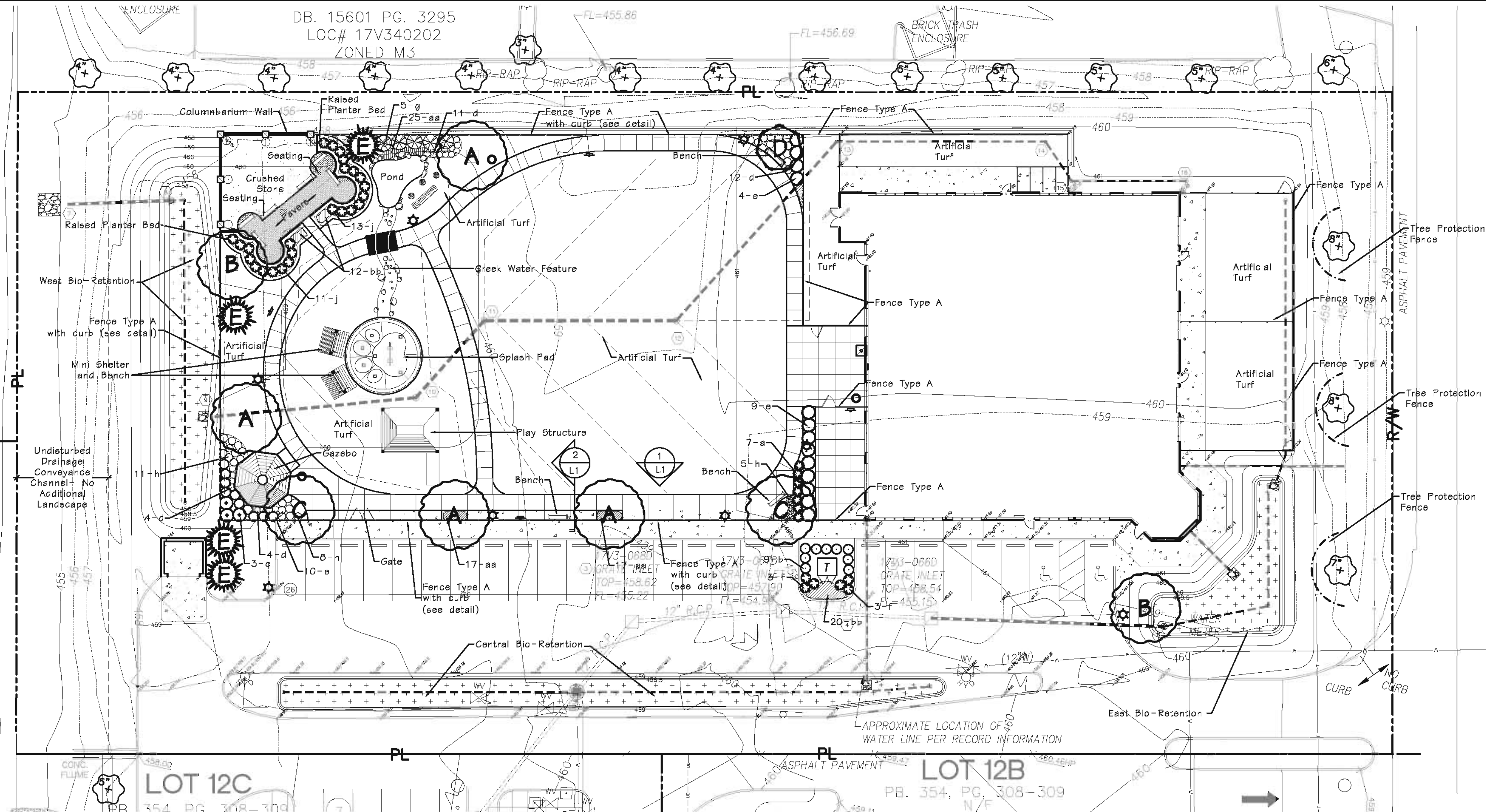


Jerold Saunders - Landscape Architect
MO License # LA-007

Consultants:

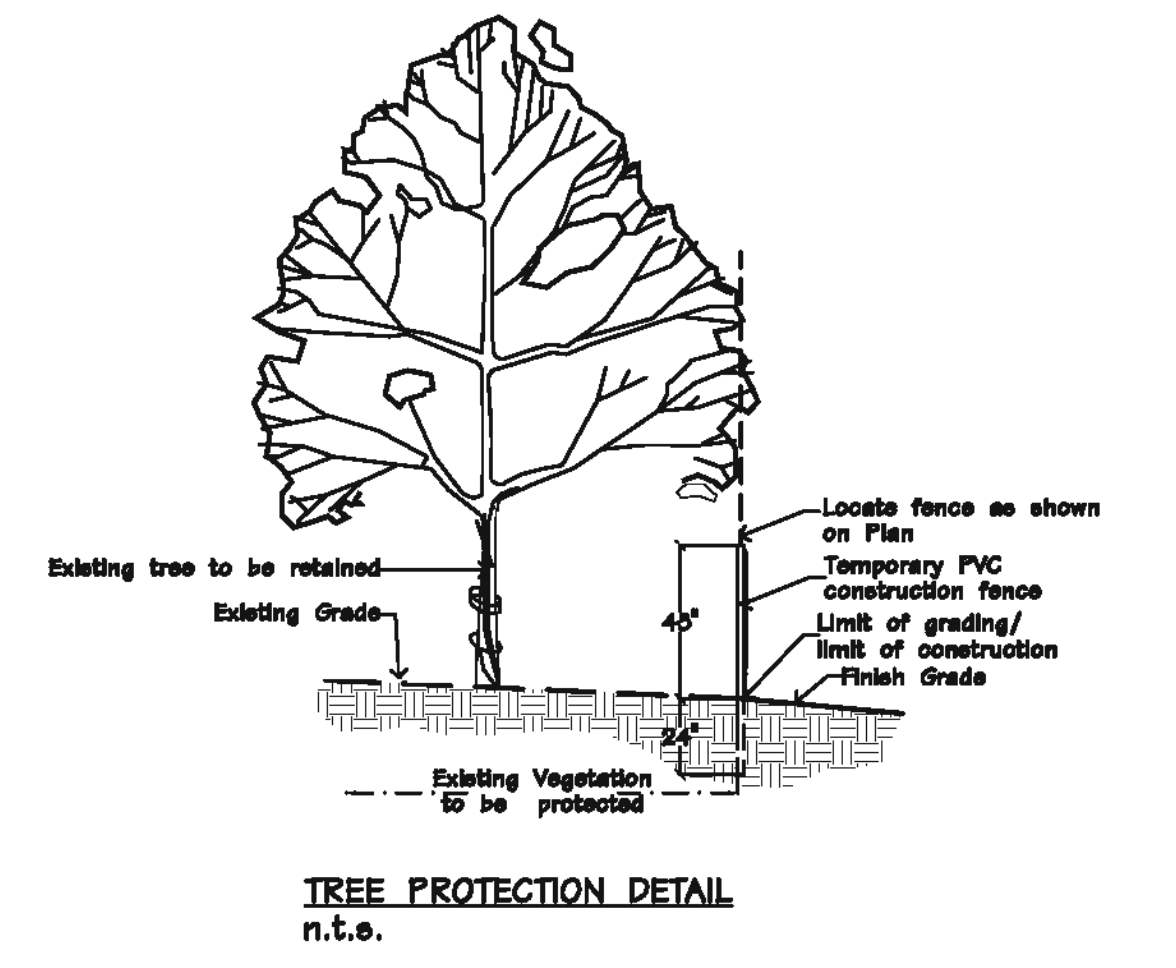
C & M CREATIONS Site Development Section Plan

Chesterfield, MO

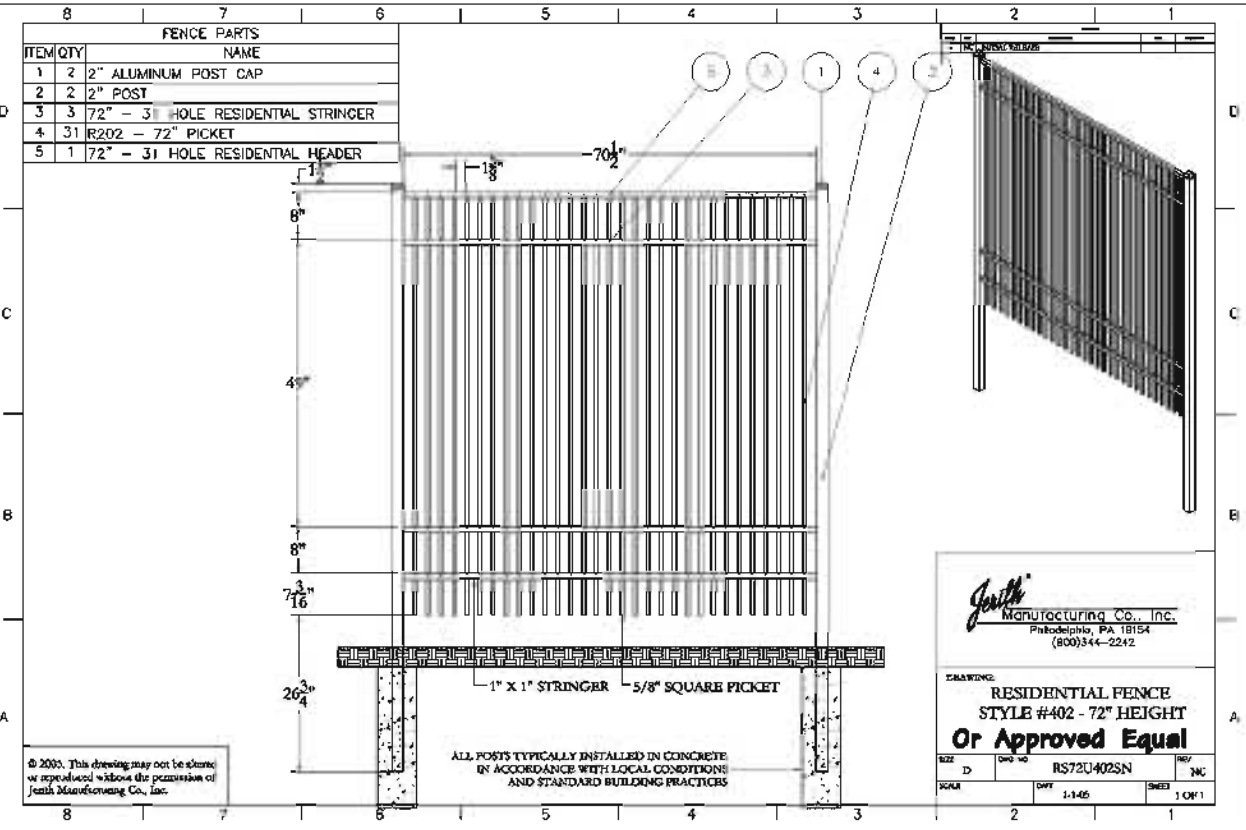


LANDSCAPE PLAN

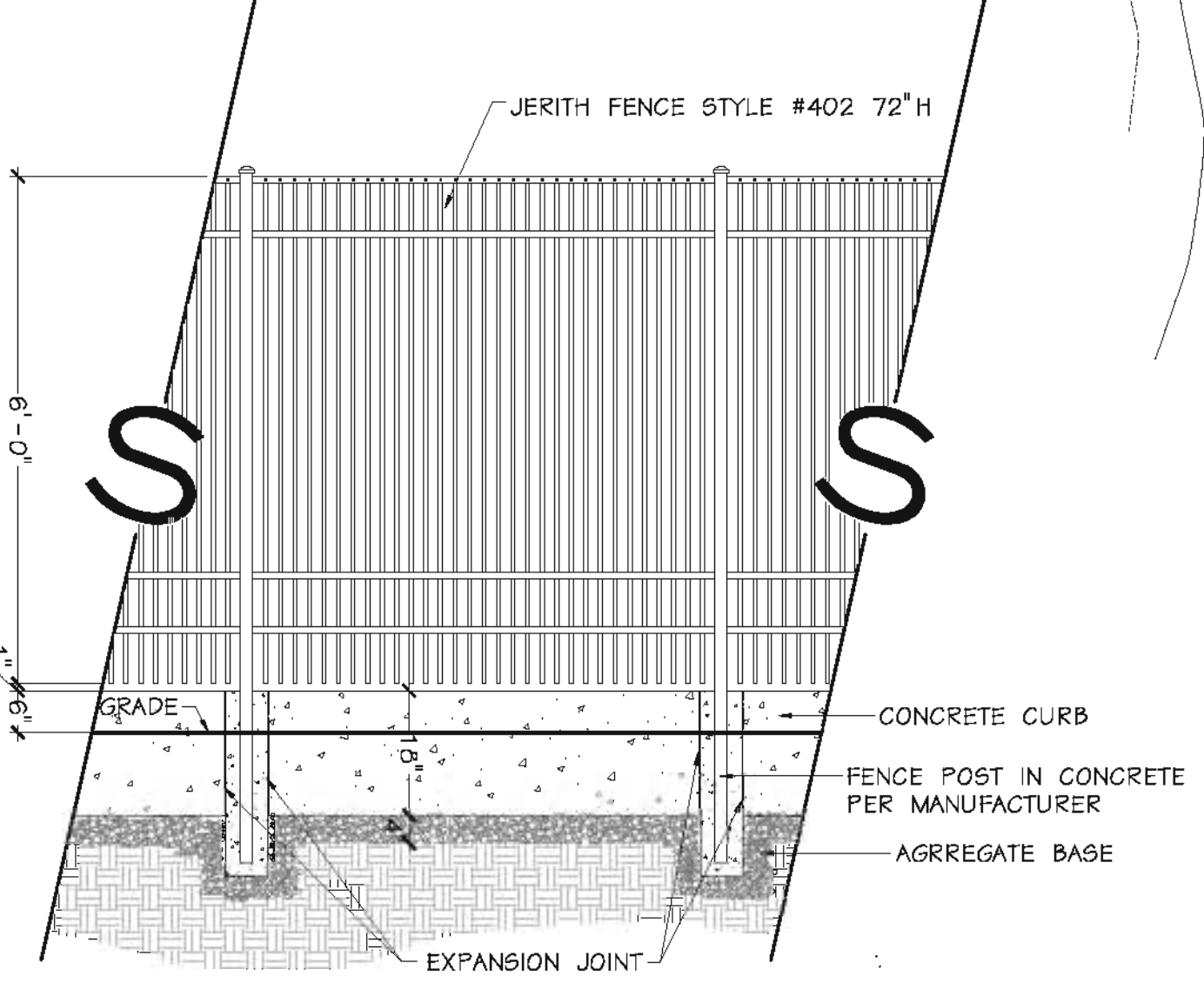
SCALE 1" = 20'



TREE PROTECTION DETAIL
n.t.s.



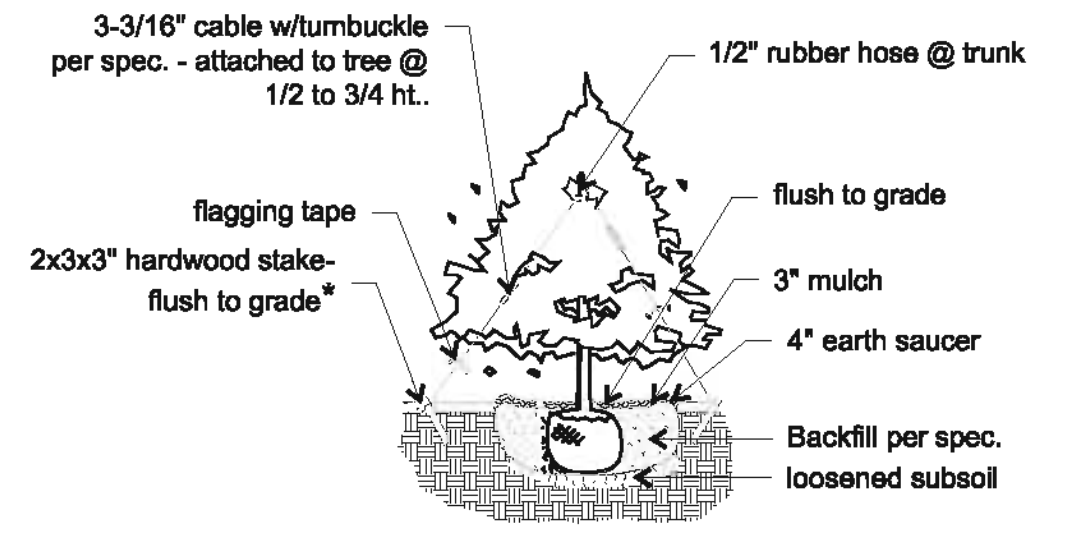
FENCE TYPE A
n.t.s.



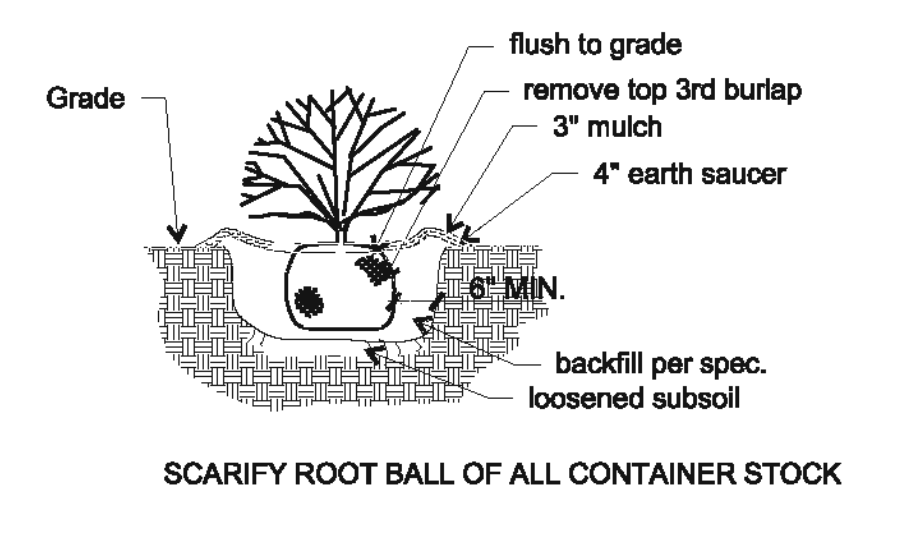
1 SECTION ELEVATION FENCE CURB DETAIL
SCALE: 1/2" = 1'

SYMBOL	QUANTITY	COMMON NAME	COMMON NAME	SIZE	REMARKS	MINIMUM HEIGHT	MINIMUM SIZE	TYPE
A	4	Acer rubrum 'Red Sunset'	Red Sunset Maple	3"	B&B	45+	Fast	Deciduous
B	2	Plantanus x acerifolia	London Planetree	3"	B&B	45+	Fast	Deciduous
C	2	Quercus rubra	Red Oak	3"	B&B	45+	Med/Fast	Deciduous
D	1	Cercocarpus canadensis	Redbud	2.5"	B&B	25-30'	Fast	Ornamental
E	4	Picea glauca	White Spruce	6" Ht.	B&B	30-40'	Med.	Evergreen
a	7	Berberis thunbergii 'Royal Burgundy'	Royal Burgundy Barberry	24"				
b	9	Euonymus alata 'Compacta'	Dwarf Burning Bush	24"				
c	3	Buddleia davidii 'Black Knight'	Black Knight Butterflybush	24"				
d	31	Juniperus chinensis sargentii	Sargent Green Juniper	24"				
e	23	Ilex x meserveae 'Masco'	China Girl Holly	24"				
f	6	Cornus sericea 'Flaviramea'	Yellow Twig Dogwood	24"				
g	5	Forsythia x 'New Hampshire Gold'	New Hampshire Gold Forsythia	24"				
h	24	Rhus aromatica 'Gro-low'	Gro-low Sumac	24"				
i	24	Rosa x 'Redrazz'	Knock-Out Rose	24"				
aa	58	Bedum spurtum 'Dragon's Blood'	Dragon's Blood Sedum	12" o.c.				
bb	32	Hemerocallis x 'Stella de Oro'	Stella de Oro Daylily	16" o.c.				

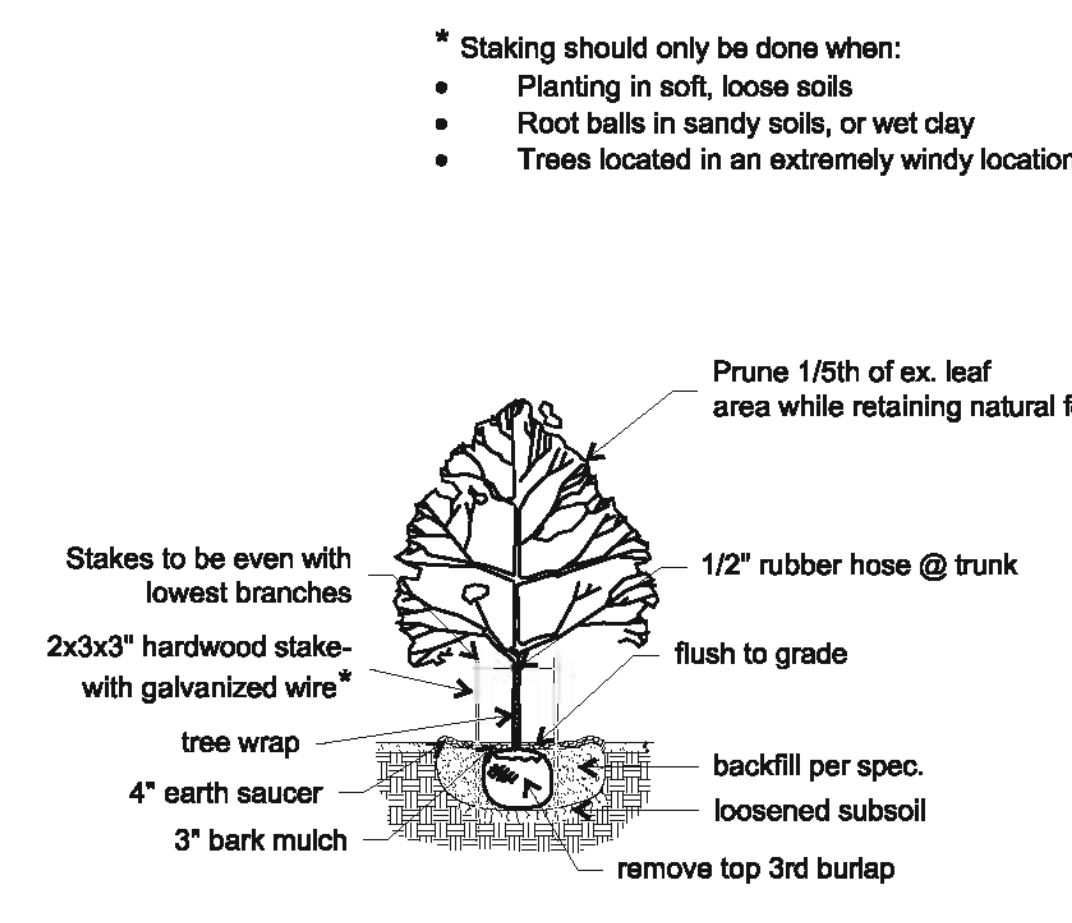
General Notes:
 1) All disturbed areas will be sodded.
 2) In ground automatic irrigation system to be provided for non-bioretenention landscape areas.
 3) Open Space Percentage in relation to the total area of site = 66%.



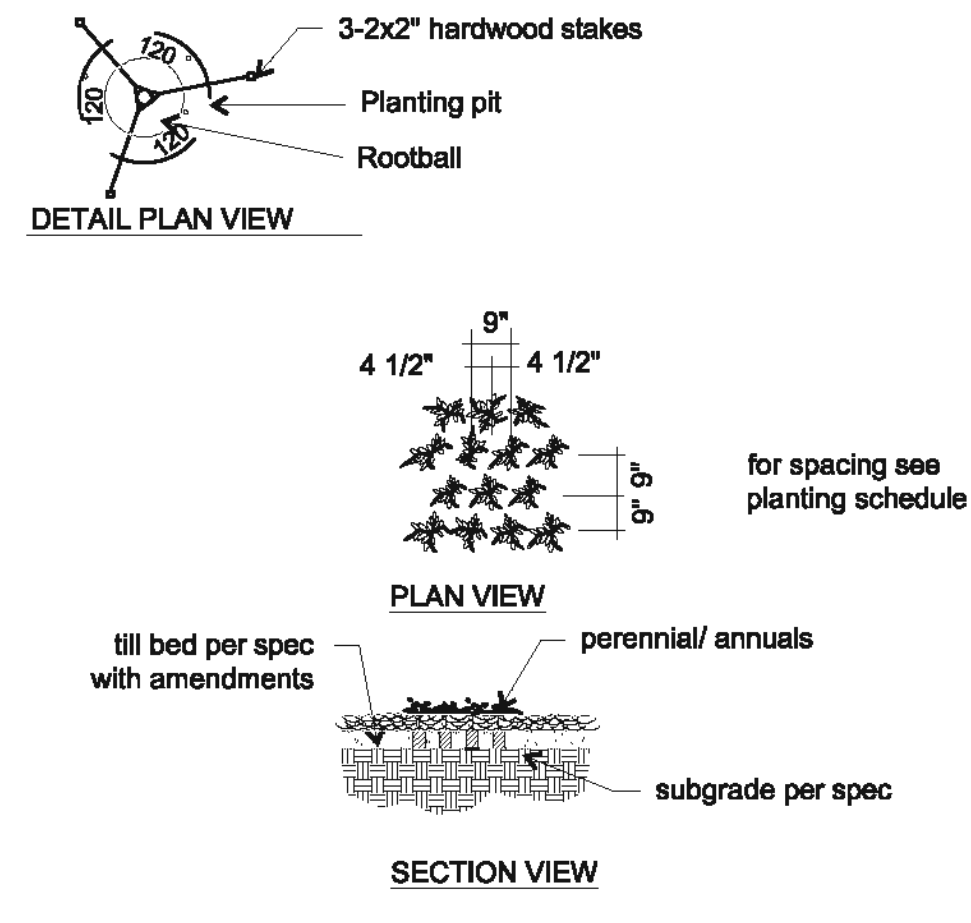
TYPICAL EVERGREEN PLANTING



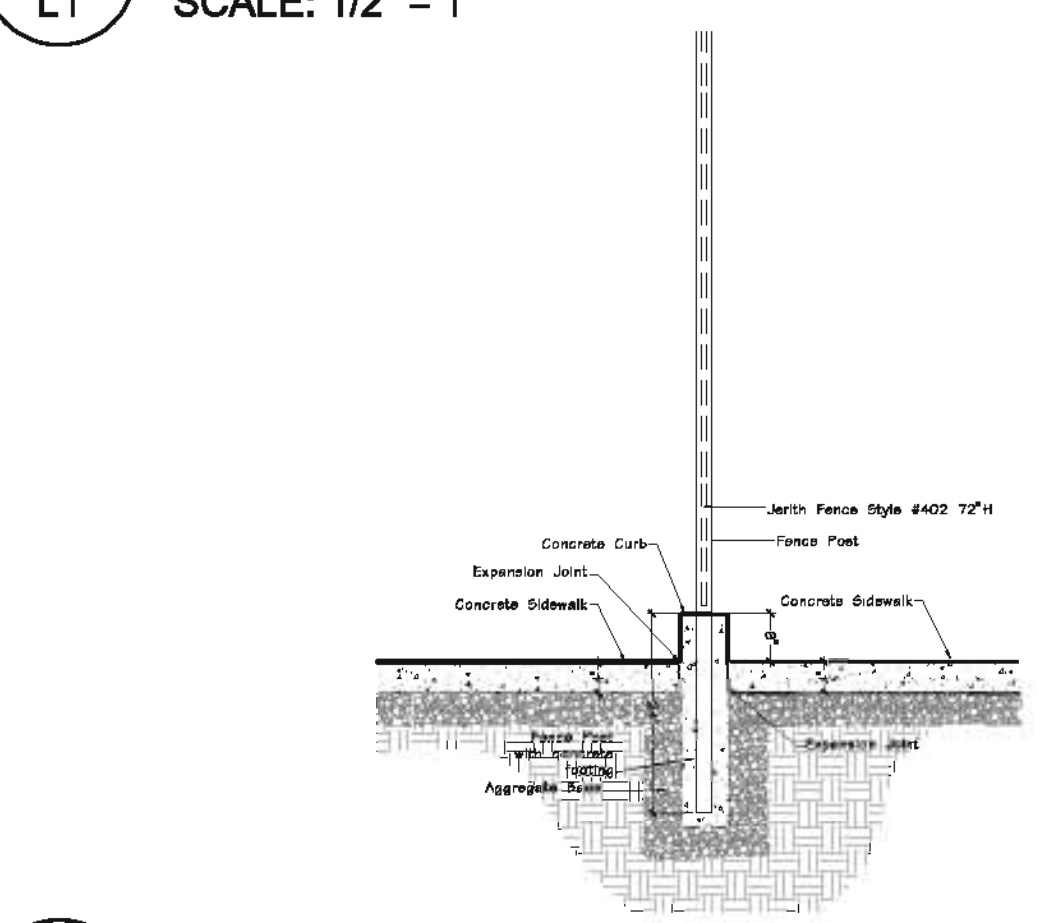
TYPICAL SHRUB PLANTING



CANOPY TREE PLANTING



TYPICAL PERENNIAL PLANTING



2 SECTION ELEVATION FENCE CURB DETAIL
SCALE: 1/2" = 1'

Revisions:

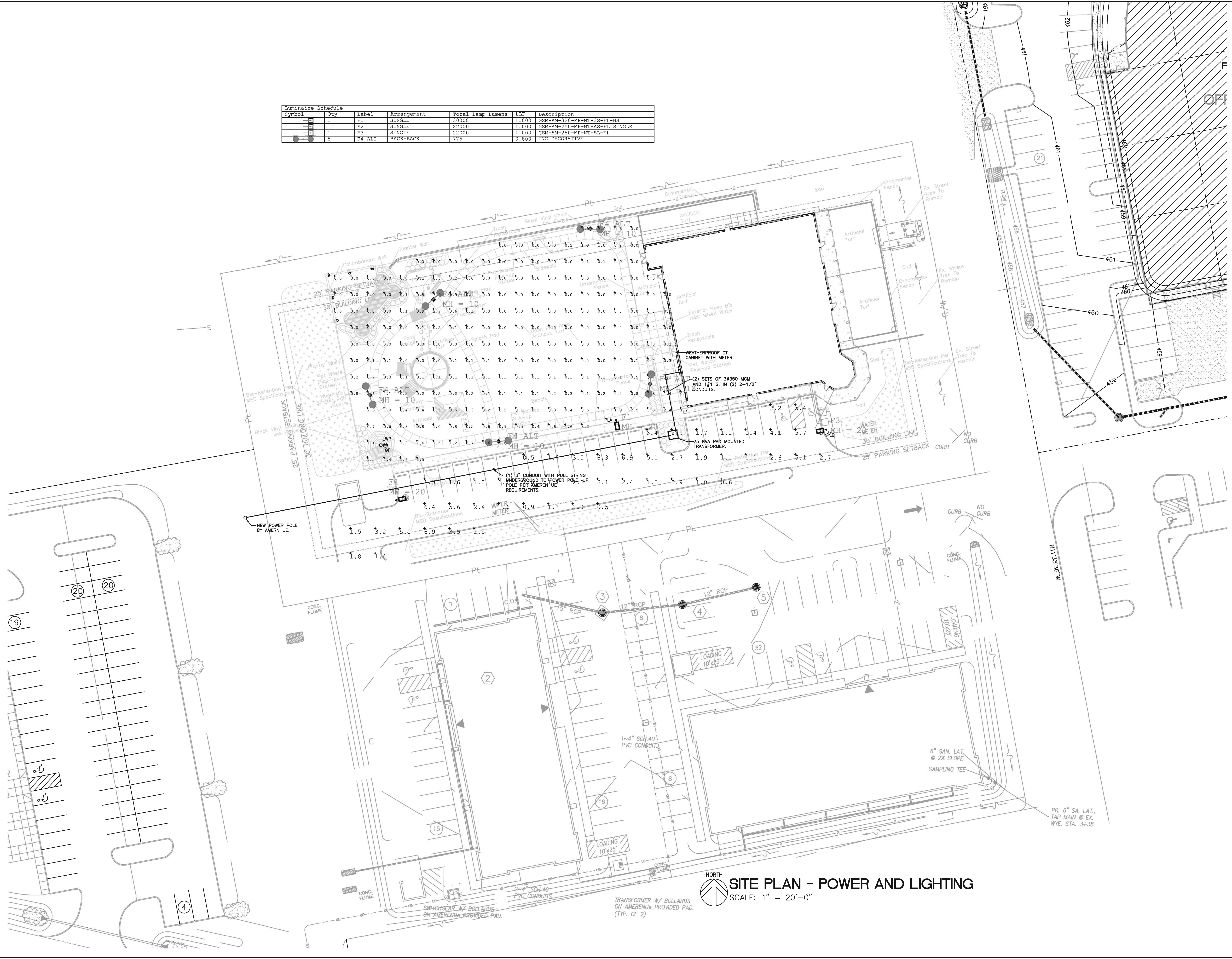
Date	Description	No.
10-21-11	Submittal	1
11-9-11	City Comments	2
11-17-11	City Comments	3

Drawn: JJ
Checked: R6

loomisAssociates
 Landscape Architects/planners
 707 Spirit of Park Drive, Suite 105
 Chesterfield, MO 63035
 Phone: 636-515-8668 Fax: 636-515-0757
 Email: lomp@loomis-associates.com

Sheet Title: Landscape Plan
 Sheet No: L1
 Date: 10/04/11
 Job #: 925.001

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
□	1	F1	SINGLE	30000	1.000	GSM-AM-250-MP-MT-3S-FL-HIS
□	1	F2	SINGLE	22000	1.000	GSM-AM-250-MP-MT-AS-FL-SINGLE
□	1	F3	SINGLE	22000	1.000	GSM-AM-250-MP-MT-SL-FL
●	5	F4 ALT	BACK-BACK	775	0.800	INC DECORATIVE



SITE PLAN - POWER AND LIGHTING
 SCALE: 1" = 20'-0"

Tennill & Associates, Inc.
 177 Chestnut Hill Road
 Chesterfield, Missouri 63005
 P.A.C. (630) 437-3988
 D.M.C. (630) 437-3988
 Fax: (630) 437-3988

C & M CREATIONS
 CHESTERFIELD, MO.

NO.	DATE	DESCRIPTION
1	11-16-11	CITY COMMENTS

DATE: 06-22-11
 PROJECT NO. 11.025

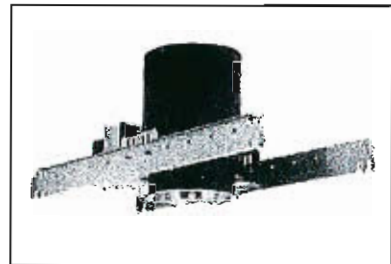
DRAWN: SWF
 CHECK: SWF
 SHEET: E-1

OM6150T6CMH

6" T6 Ceramic Metal Halide Downlight

CAT. NO:

TYPE: PROJECT:



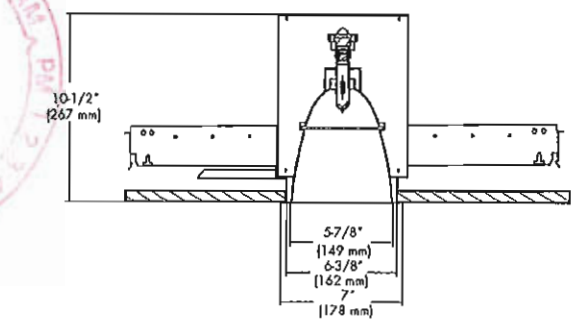
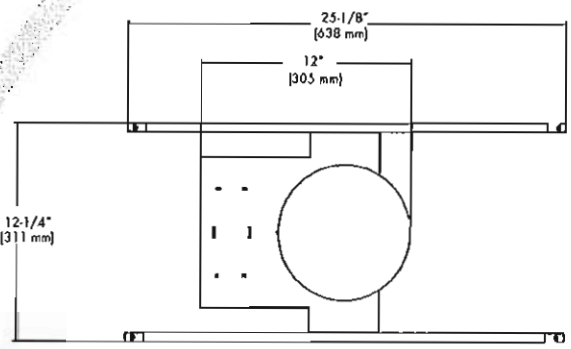
PRODUCT INFORMATION

Applications

Low brightness, small aperture ceramic discharge metal halide downlight suitable for general or accent lighting in restaurants, lobbies, hotels, offices, retail and display applications.

Specifications

1. Housing - 20 gauge steel housing with matte black powder coat finish. Accommodates ceilings up to 1-3/8" thick.
2. Ballast - Electronic high power factor, with <15% THD. Includes internal ignitor, and thermal protection. Ballast requires a minimum starting temperature of 5°F.
3. Installation - Housing features, pre-installed c-channels with vertical and horizontal adjustments. Ballast, junction box and c-channels are accessible from below ceiling. For 27" flat bar hanger pair; specify Q1031 accessory; ordered separately.
4. Optics - 2-piece precision formed aluminum upper and lower reflector. Upper reflector is faceted and anodized for optimum performance. Lower reflector has proprietary Alzak finish for a soft appearance and excellent color. Standard flange finish is white paint. For optional polished flange matching interior reflector finish add 'FF' suffix. A protective shatter guard is included for lamp containment.
5. Socket - Porcelain G12 bi-pin base.
6. Top Relamping - Lamp and ballast are serviceable from above or below the ceiling.
7. Lamp - Lamps included.
8. U.L. Listed - For use in damp locations and approved for through branch circuit wiring. I.B.E.W. union made.



6

Canadian Specifications may vary from those shown, consult Canadian Division.



CATALOG SYSTEM AND OPTIONS				EXAMPLE OF COMPLETE CATALOG NUMBER: OM6150T6CMHMD-CS-LP942-EU			
OMEGA Aprt.	Lamp (included)	Lamp Type	Distribution	Reflector Finish	Lamp (required)	Supply Voltage	Options
OM6	150 T6 70 T6 39 T6	CMH Ceramic Metal Halide	ND Narrow MD Medium WD Wide	CS Clear Specular CSS Clear Semi-Specular HZ Haze GS Gold Specular WT Wheat PW Pewter BZ Bronze BK Black WH White FF Finish Flange (As suffix to color)	LP830 LP842 ¹ LP930 ² LP942	EU Electronic 120/277	FZ120 120V fusing FZ277 277V fusing

FOOTNOTES:
1. 39 watt only.
2. 39 watt - 70 watt only.
Philips Mastercolor Elite lamps standard for LP930.



FIVE YEAR
Warranty

PHILIPS OMEGA
776 South Green St., Tupelo, MS 38804
Phone 662.842.7212 FAX 662.841.5501
www.omegalighting.com

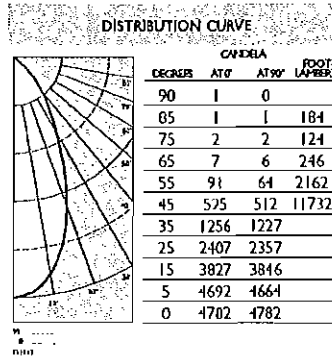
PHILIPS DAY-BRITE CANADA
189 Bullock Drive, Markham, Ontario, Canada L3P 1W4
Phone 905.294.9570 FAX 800.268.0003
www.day-britecanada.com

PHILIPS
OMEGA

OM670MHT6-CS-MD

Report number: 28145
 Lamp: (1)70W MH
 Fixture Efficiency: 52.7%
 S/MH Ratio: (0 degree plane): 0.8
 (90 degree plane): 0.8
 Total Fixture Lumens: 3850
 IES file: 28145.IES
 Beam Angle: 49.83

LIGHTING PERFORMANCE DATA		
CILING HEIGHT (ft)	FUOT CANTLES	BEAM DIAMETER (ft)
8	158.1	5-1
10	85.0	6-12
12	53.0	8-10
14	36.2	10-8
16	26.2	12-6



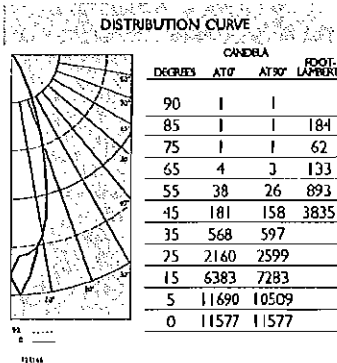
COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD						
Effective Floor Cavity Reflectance 0.20						
RC	80		70		50	
	50	30	50	30	50	
0	63	63	63	63	60	60
1	59	57	56	56	58	56
2	56	54	52	50	56	53
3	54	50	47	46	53	50
4	51	46	44	41	50	46
5	47	44	40	38	46	42
6	46	40	38	35	45	40
7	44	39	34	33	42	38
8	40	35	33	30	40	35
9	39	34	30	28	39	34
10	38	32	28	27	36	32

OM670MHT6-CS-ND

6

Report number: 28146
 Lamp: (1)70W MH
 Fixture Efficiency: 62.6%
 S/MH Ratio (0 degree plane): 0.5
 (90 degree plane): 0.6
 Total Fixture Lumens: 4569
 IES file: 28146.IES
 Beam Angle: 33.94

LIGHTING PERFORMANCE DATA		
CILING HEIGHT (ft)	FUOT CANTLES	BEAM DIAMETER (ft)
14	87.5	7-0
16	63.5	8-3
18	48.2	9-6
20	37.8	10-9
22	30.4	12-0



COEFFICIENTS OF UTILIZATION ZONAL CAVITY METHOD						
Effective Floor Cavity Reflectance 0.20						
RC	80		70		50	
	50	30	50	30	50	
0	75	75	75	75	72	72
1	71	69	68	68	69	68
2	68	66	64	61	67	65
3	66	63	59	57	65	61
4	63	59	56	54	61	58
5	60	56	54	51	59	56
6	58	54	51	48	57	54
7	56	52	48	46	56	51
8	55	50	46	44	54	48
9	53	47	45	42	52	46
10	51	46	42	40	50	46

DESCRIPTION

Galleria's beauty and versatility make it an excellent choice for roadway and general area lighting applications. An aesthetic reveal in the formed aluminum housing gives the Galleria a distinctive look while a variety of mounting options and lamp wattages provide maximum flexibility.

Galleria's superior light distributions makes it the optimum choice for almost any small, medium or large area lighting application.

Catalog #		Type	
Project			
Comments		Date	
Prepared by			

SPECIFICATION FEATURES

Construction

HOUSING: Formed aluminum housing with stamped reveal has interior-welded seams for structural integrity and is finished in premium TGIC polyester powder coat. U.L. listed and CSA certified for wet locations. **DOOR:** Formed aluminum door has heavy-duty hinges, captive retaining screws and is finished in premium TGIC polyester powder coat. (Spider mount unit has steel door.)

Electrical

BALLAST TRAY: Ballast tray is hard-mounted to housing interior for cooler operation.

Optical

REFLECTOR: Choice of 14 high efficiency optical systems utilizing horizontal and vertical lamp orientations. Optional high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet. Optical segments are rigidly mounted inside a thick gauge aluminum housing for superior protection. All segment faces are clean of rivet heads, tabs or other means of attachment which may cause streaking in the light distribution. Standard with mogul-base socket. All optical modules feature quick disconnect wiring

plugs and are field rotatable in 90° increments. **LENS:** Convex tempered glass lens or flat glass.

Mounting

Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during assembly. Specify arm-included mounting for contractor-friendly single carton packaging of housing and arm.



**GSS/GSM/GSL
GALLERIA
SQUARE**

70 - 1000W

Pulse Start Metal Halide

High Pressure Sodium

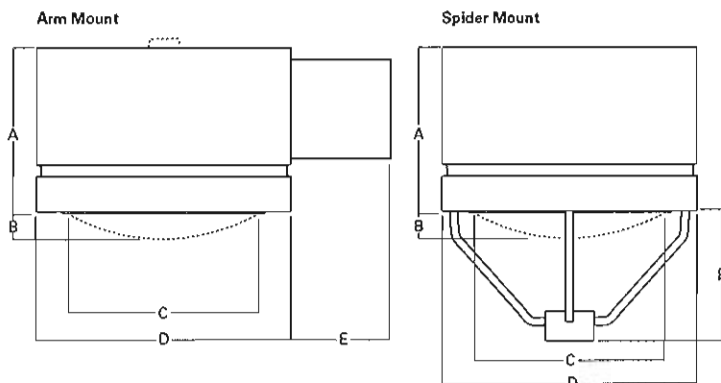
Metal Halide

**ARCHITECTURAL
AREA LUMINAIRE**

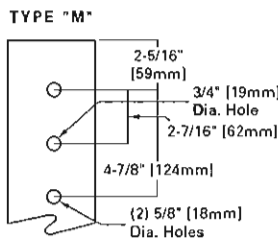


NOTE: In all flat glass configurations only.

DIMENSIONS



ARM DRILLING



Fixture	A	B	C	D	E	F
GSS	9-1/4" 235mm	1-1/2" 38mm	12-7/8" 327mm	15-5/8" 397mm	6" or 9" 152mm or 229mm	3-1/4" 337mm
GSM	11" 279mm	3-1/2" 89mm	19-1/4" 480mm	21-3/4" 552mm	6" or 14" 152mm or 356mm	15" or 16" 381mm or 406mm
GSL	14-1/2" 368mm	4-1/4" 108mm	25-7/8" 657mm	27" 686mm	6" or 14" 152mm or 356mm	18-3/4" or 19-3/4" 476mm or 502mm

NOTE: Top cap used on GSM with 1000W flat glass vertically lamped optics only.

WATTAGE TABLE

Fixture	Lamp Type	Wattage
GSS (Galleria Small)	Pulse Start Metal Halide (MP)	70, 100, 150W
	High Pressure Sodium (HPS)	70, 100, 150W
	Metal Halide (MH)	175W
GSM (Galleria Medium)	Pulse Start Metal Halide (MP)	70, 100, 150, 175, 200, 250, 320, 350, 400, 450, 750, 875, 1000W
	High Pressure Sodium (HPS)	70, 100, 150, 250, 400, 750, 1000W
	Metal Halide (MH)	175, 250, 400, 1000W
GSL (Galleria Large)	Pulse Start Metal Halide (MP)	250, 320, 350, 400, 450, 750, 1000W
	High Pressure Sodium (HPS)	250, 400, 750, 1000W
	Metal Halide (MH)	250, 400, 1000W

ENERGY DATA

CWA Ballast Input Watts
 150W MP HPF (185 Watts)
 175W MP HPF (198 Watts) ⊕
 250W MP HPF (283 Watts) ⊕
 250W HPS HPF (295 Watts)
 400W MP HPF (452 Watts) ⊕
 400W HPS HPF (457 Watts)
 750W MP HPF (820 Watts)
 1000W MH HPF (1080 Watts)
 1000W HPS HPF (1100 Watts)

EPA

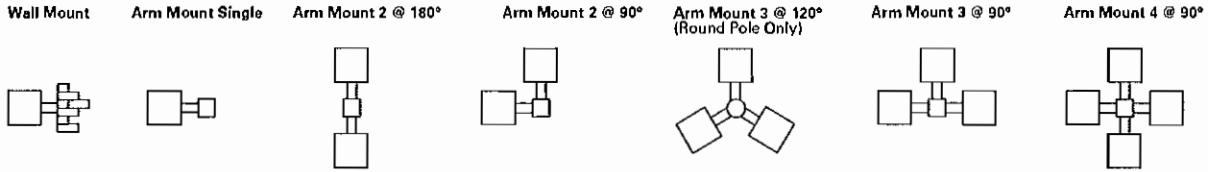
Effective Projected Area: (Sq. Ft.) (Without Arm)
 GSS: 1.20 GSM: 2.40 GSL: 3.90
(Spider Mount)
 GSS: 1.53 GSM: 2.86 GSL: 4.45

SHIPPING DATA

Approximate Net Weight:
 36 lbs. (16 kgs.)
 79 lbs. (36 kgs.)
 88 lbs. (40 kgs.)



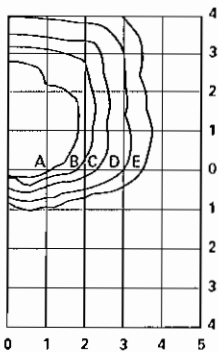
MOUNTING CONFIGURATIONS



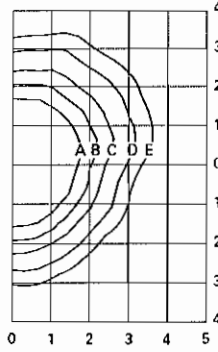
E.P.A. TABLE

	Single [w/arm where applicable]	2 @ 180°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
GSS	1.7	3.4	3.4	4.6	4.6	5.2
GSM	2.9	5.8	6.8	9.2	9.2	10.4
GSL	4.4	8.8	9.8	13.7	13.7	15.6

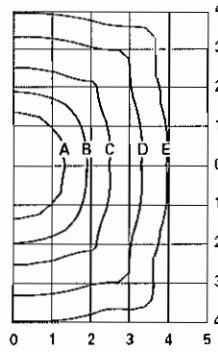
PHOTOMETRICS



GSM-XX-1000-MH-SL-FG
1000-Watt MH
110,000-Lumen Clear Lamp
Spill Light Eliminator
Flat Glass



GSM-XX-1000-MH-3V-FG
1000-Watt MH
110,000-Lumen Clear Lamp
Type III Vertical
Flat Glass



GSM-XX-1000-MH-AS-SG
1000-Watt MH
110,000-Lumen Clear Lamp
Area Squaru
Flat Glass

Footcandle Table

Select mounting height and read across for footcandle values of each isofootcandle line. Distance in units of mounting height.

Mounting Height	Footcandle Values for Isofootcandle Lines				
	A	B	C	D	E
1000W [SL] / 400W [AR]					
25'	2.88	1.44	0.72	0.29	0.14
30'	2.00	1.00	0.50	0.20	0.10
35'	1.46	0.73	0.37	0.15	0.07
1000W [3V/AS]					
30'	3.50	2.00	1.00	0.50	0.20
35'	2.60	0.73	0.37	0.18	0.07
40'	2.00	1.00	0.50	0.20	0.10

ORDERING INFORMATION

Sample Number: GSM-AM-400-MP-MT-3V-SG-BK-L

--	--	--	--	--	--	--	--	--	--

Product Family
 GSS=Galleria Square Small
 GSM=Galleria Square Medium
 GSL=Galleria Square Large

Mounting Method
 AM=Arm Mount 1
 AIR=Arm Included for 2 Round Pole
 AIS=Arm Included for 2 Square Pole
 SM1=Spider Mount 3 (2 3/8" OD Tenon)
 SM2=Spider Mount (3" OD Tenon)
 SM3=Spider Mount 4 (3 1/2" OD Tenon)

Lamp 5
Wattage
 MP
 70 =70W
 100 =100W
 150 =150W
 175 =175W
 200 =200W
 250 =250W
 320 =320W
 350 =350W
 400 =400W 6
 450 =450W
 750 =750W
 875 =875W
 1000 =1000W 7
HPS
 70 =70W
 100 =100W
 150 =150W
 250 =250W
 400 =400W
 1000 =1000W 7
MH 8
 175 =175W
 250 =250W
 400 =400W
 1000 =1000W 7

Lamp Type
 MP=Pulse Start Metal Halide
 HPS=High Pressure Sodium
 MH=Metal Halide 8
Voltage 9
 120 =120V
 208 =208V
 240 =240V
 277 =277V
 347 =347V
 480 =480V
 MT=Multi-Tap 10
 TT=Triple-Tap 10
 5T=5-Tap 11

Distribution
Horizontal Lamp
 1F=Type I Formed 12
 2F=Type II Formed
 2S=Type II Segmented 13
 3F=Type III Formed
 3S=Type III Segmented 13
 4S=Type IV Segmented 13
 5S=Type V Segmented 13
 FT=Forward Throw
 SL=Spill Light Eliminator 14
 CA=Cutoff Asymmetric with EHS 15
Vertical Lamp
 AR=Area Round
 AS=Area Square 15
 3V=Type III Vertical 15
 RW=Rectangular Wide 16, 15

Lens Type
 FG=Flat Glass 17
 SG=Sag Glass

Color 18
 AP=Grey
 BZ=Bronze
 BK=Black
 WH=White
 DP=Dark Platinum
 GM=Graphite Metallic

Options 19
 F=Single Fuse (120, 277 or 347V)
 FF=Double Fuse (208, 240 or 480V)
 L=Lamp Included
 EM=Quartz Restrike w/20 Delay
 Q=Quartz Restrike 20
 R=NEMA Twistlock Photocontrol Receptacle
 EHS=External Adjustable House Side Shield
 HS=House Side Shield 21
 VS=Vandal Shield 22

Accessories 23
 GSM-EXTHS =External House Side Shield - 2.24 EPA
 GSL-EXTHS =External House Side Shield - 2.48 EPA
 MA1004XX =14" Arm for Square Pole. 1.0 EPA 15
 MA1005XX =6" Arm for Square Pole. 0.5 EPA 15
 MA1006XX =Direct Mount Kit for Square Pole 15
 MA1007XX =14" Arm for Round Pole. 1.0 EPA 15
 MA1008XX =6" Arm for Round Pole. 0.5 EPA 15
 MA1009XX =Direct Mount Kit for Round Pole 15
 MA1021XX =6" Arm for Square Pole. 0.5 EPA 3
 MA1022XX =6" Arm for Round Pole. 0.5 EPA 3
 MA1023XX =9" Arm for Square Pole. 0.5 EPA 3
 MA1024XX =9" Arm for Round Pole. 0.5 EPA 3
 MA1029XX =Wall Mount Bracket with 10" Arm
 MA1046XX =Wall Mount Bracket 3
 MA1208XX =11 1/2" Arm and Round Pole Adapter - .8 EPA
 OA1066XX =Mast Arm Adapter
 MA1010XX =Single Tenon Adapter for 3 1/2" O.D. Tenon
 MA1011XX =2 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon
 MA1012XX =3 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon
 MA1013XX =4 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon
 MA1014XX =2 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon
 MA1015XX =2 @ 120° Tenon Adapter for 3 1/2" O.D. Tenon
 MA1016XX =3 @ 90° Tenon Adapter for 3 1/2" O.D. Tenon
 MA1017XX =Single Tenon Adapter for 2 3/8" O.D. Tenon
 MA1018XX =2 @ 180° Tenon Adapter for 2 3/8" O.D. Tenon
 MA1019XX =3 @ 120° Tenon Adapter for 2 3/8" O.D. Tenon
 MA1045XX =4 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon
 MA1048XX =2 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon
 MA1049XX =3 @ 90° Tenon Adapter for 2 3/8" O.D. Tenon
 MA1060 =House Side Shield for GSS (Field Installed) 24
 MA1061 =House Side Shield for GSM (Field Installed)
 MA1062 =House Side Shield for GSL (Field Installed) 24
 OA/RA1016 =NEMA Twistlock Photocontrol - Multi-Tap
 OA/RA1027 =NEMA Twistlock Photocontrol - 480V
 OA/RA1201 =NEMA Twistlock Photocontrol - 347V

Notes:

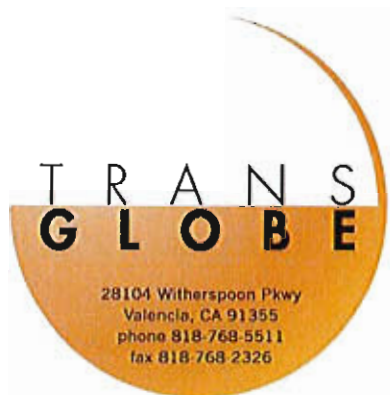
- 1 Arm not included. See Accessories.
- 2 Arm length varies based on housing size: 9" for GSS, 11-1/2" for GSM and 14" for GSL.
- 3 Available on GSS housing only.
- 4 Available on GSL housing only.
- 5 Standard with medium-base sockets in GSS housing. Mogul-base sockets in GSM and GSL housings. Wattage availability varies by housing size - see Wattage Table.
- 6 Requires reduced envelope ED-28 lamp when used with GSM housing and flat glass vertically lamped optics.
- 7 Requires reduced envelope BT-37 lamp when used with GSM housing.
- 8 175, 250 and 400W MH available for non-US markets only.
- 9 Products also available in non-US voltages and 50Hz for international markets. Consult factory for availability and ordering information.
- 10 Multi-Tap ballast is 120/208/240/277V wired 277V. Triple-Tap ballast is 120/277/347V wired 347V.
- 11 5-Tap ballast is 120/208/240/277/480V wired 480V. Only available in 400-1000W.
- 12 Medium housing fixture only.
- 13 Maximum wattage on segmented optical distributions is 400W. 400W Metal Halide lamp must use reduced envelope ED-28 lamp. Not available in GSL housing.
- 14 Must use reduced envelope lamp, not available in GSL housing.
- 15 Available on GSM and GSL housings only.
- 16 RW optic not available with flat glass.
- 17 1000W GSL with flat glass requires BT-37 lamp and is not available in AS, RW, SL or 3V distributions.
- 18 Other finish colors available, including a full line of RAL color matches. Consult your Cooper Lighting Representative.
- 19 Add as suffix in the order shown.
- 20 Quartz options not available with SL optics.
- 21 House side shield not available with 5S, RW, AS, AR, SL and CA optics.
- 22 Arm mount only, 400W Maximum.
- 23 Order separately, replace XX with color suffix.
- 24 Compatible with sag lens vertical optics only.

NOTE: Specifications and dimensions subject to change without notice.

Visit our web site at www.cooperlighting.com

Customer First Center 1121 Highway 74 South Peachtree City, GA 30269 770.486.4600 FAX 770.488.4801

Phone: (800) 446-9092



4043

AVIGNON

2 LANTERN LAMP POST

SPECIFICATIONS:

Width (in)	Height (in)	Depth (in)	Weight (lbs)
32	93		24

Finish Shown: BLACK GOLD

Finish Options:

BLACK-GOLD, BLACK-COPPER, BLACK,
RUST, SWEDISH IRON, MOSS, WHITE

Product Line: LAMP POST

Glass: OPAL GLASS

Material: METAL, GLASS

Bulbs, Wattage: 100

Bulbs, Base: MEDIUM

Bulbs, Quantity: 2

Country of Origin: CHINA

Certification: C-UL-US WET

UPC: 736916547963	BC
UPC: 736916549868	BG
UPC: 736916252409	BK
UPC: 736916245807	RT
UPC: 736916549875	SWI
UPC: 736916549882	VG
UPC: 736916255424	WH



COOPER LIGHTING - SURE-LITES®

DESCRIPTION

The Sure-Lites Architectural Emergency Light is designed to provide superior illumination while blending into the surrounding space. The housing is constructed of die-cast aluminum with an integral reflective polycarbonate lens and advanced optical design, which in conjunction with high output Xenon lamps provides maximum path of egress lighting performance. The Sure-Lites Architectural Emergency Light is listed for temperatures between -20°C and 40°C (-4°F and 104°F) [Remote unit temperature range: -40°C and 65°C (-40°F and 149°F)]. Standard features include Watchguard EMS self-diagnostic system and a FasTest Photocell Test Switch.

Catalog #		Typ
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Electrical

- Watchguard EMS Self-Diagnostic System
- Dual Voltage Input, 120/277 VAC, 60Hz
- Isolation Transformer
- Line-latching
- Solid-state Voltage Limited Charger
- Low-Voltage Disconnect
- Brownout Circuit
- Overload/Short Circuit Protection
- Test Switch/Power Indicator Light
- Photocell Test Switch (requires accessory LASER for activation)
- Fully Recharged in 24 hours

Housing Construction

- Die-cast Aluminum Housing
- Universal Pattern Knockouts on rear of housing for direct mounting to junction box
- 1/2" Threaded Conduit Access on top surface
- Powder Coat Paint Finish
- UV Stable Polycarbonate Lens
- Silicone Gaskets

Code Compliance

- UL924 Listed, Self-Diagnostics
- UL Outdoor Wet Location Listed (suitable for wet and damp locations)
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes

Warranty

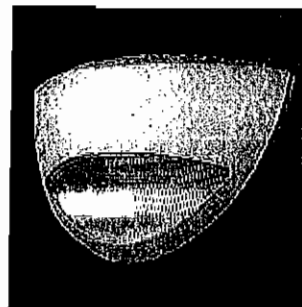
- Unit: 1-Year
- Battery: 15-year pro-rata

Lamp Data

- Three 6V 6W High output Xenon lamps

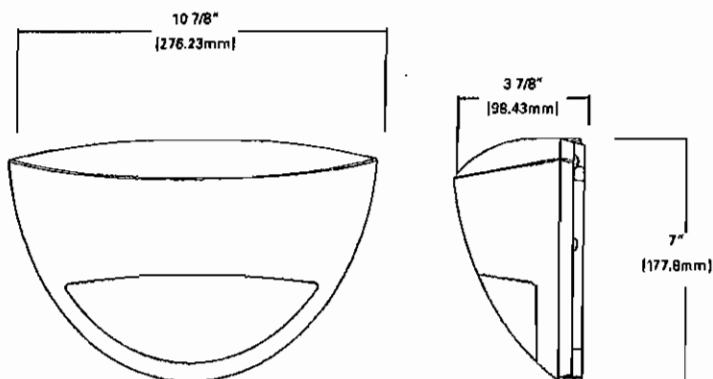
Battery

- Sealed Nickel Cadmium
- Maintenance-free, Long-life
- Full Recharge Time, 24 hrs



ARCHITECTURAL EMERGENCY LIGHT SERIES

- DIE-CAST ALUMINUM
- SURFACE MOUNT
- SEALED NICKEL CADMIUM BATTERY
- XENON LAMPS
- EMERGENCY LIGHTING



ELECTRICAL RATINGS

Model	Rated Wattage to 87-1/2% of Rated D.C. Voltage		Lamp Information			
	D.C. Voltage	1-1/2 Hours	Type	Wattage	Number	Spacing ¹
AEL1SD	6	18	Xenon	6 each	11549423	30'

TOTALLY PREDICTABLE
RELIABILITY.

ORDERING INFORMATION

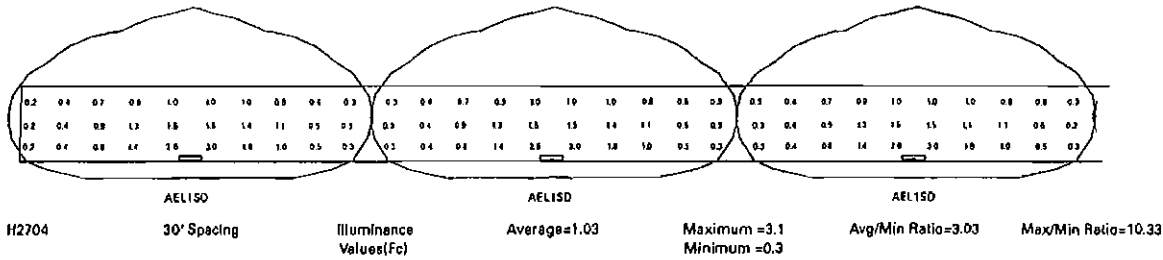
Family AEL1 ¹ Architectural Emergency Light	Housing Finish — Silver WH: White BK: Black BZ: Bronze	Standard SD: Self Diagnostics	Options TDM: Time Delay Monitor Remote: Remote Unit	Accessories¹ LASER: Key Chain, Red Laser Pointer (activation tested at 15 feet)
---	---	---	---	---

Notes: ¹ Order separately.

ENERGY DATA

Sealed Nickel Cadmium Battery
AEL1SD
Input Current:
120V = .10A
277V = .07A

PHOTOMETRICS



***The "Rule of Thumb" spacing guidelines are designed to achieve 1 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum/minimum ratio. The corridor used is 100 feet long, 9 foot ceiling with a 6 foot wide walkway and 3 foot path of egress. The reflectances are 80% ceiling, 50% walls and 20% floors. The fixture mounting height is 8.5 feet. Cooper Lighting assumes no responsibility for local requirements or specific project variables. This is a guideline to be used as a design aid, not as guarantee of any code compliance.

TECHNICAL DATA

Lamps

The AEL15D utilizes 6V 6W high output Xenon lamps standard. The Xenon lamps provide maximum illumination along the emergency path of egress.

Housing

Die-cast aluminum with a powder coat painted finish. Universal pattern knockouts are located on the back housing for direct mounting to the junction box. Threaded conduit entry provided on the top surface of the housing. UV stable, polycarbonate lens and vacuum-metallized reflector provide efficient optical control.

Electronics

Dual voltage input 120/277 VAC is standard. Nickel cadmium battery is standard. All battery and electrical components are enclosed within the housing.

Photocell Test Switch

Allows verification of proper operation of the transfer circuit and emergency lamps with a laser pointer (laser is sold as an accessory). The emergency lamps will test for 30 seconds when activated.

Self-Diagnostics

The self-diagnostic unit will automatically perform all tests required by UL924, and NFPA 101. The system indicates the status of the unit at all times using the LED indicator near the test switch on the bottom of the unit. A 90 minute battery power (emergency mode) simulation test will occur randomly once every six months. A 30 second battery power simulation test will occur every 30 days. The charger function is tested upon initial power-up and after every battery discharge cycle thereafter. The AC/DC power transfer circuit is monitored continuously. The charging mode is also monitored. The unit goes into a high charge mode for 24 hours the first time AC power is applied and when a discharge causes the battery voltage to fall below its nominal value. Pressing the test switch causes the unit to use battery power and test the battery capacity for 30 seconds. The LED indicator is off when the

unit is in the emergency mode and on continuously when the unit is fully charged. The LED blinks when the unit is in the high charge mode. It blinks twice (then repeats) when the battery needs to be replaced, or if it is disconnected. It blinks three times if there is a circuit board (charger or AC/DC transfer function) failure, and four times if there is a lamp failure.

Line-Latched

Sure-Lites line-latched electronic circuitry makes installation easy and economical. A labor efficient AC activated load switch prevents the lamps from turning on during installation to a non-energized AC circuit. Line-latching eliminates the need for a contractor's return to a job site to connect the batteries when the building's main power is turned on.

Solid-State Charger

Supplied with a 120/277 VAC, voltage regulated solid-state charger, the battery is recharged immediately upon restoration of AC current after a power failure. The charge circuit reacts to the condition of the battery in order to maintain peak battery capacity and maximize battery life. Solidstate construction recharges the battery following a power failure in accordance with UL 924.

Solid-State Transfer

The emergency light incorporates solid-state switching which eliminates corroded and pitted contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC voltage and automatically energizes the lamps using DC power. Upon restoration of AC power, the DC power will be disconnected and the charger will automatically recharge the battery.

Low-Voltage Disconnect

When the battery's terminal voltage falls, the low-voltage circuitry disconnects the lighting load. The disconnect remains in effect until normal utility power is restored, preventing deep battery discharge.

Overload and Short Circuit Protection

The solid-state overload monitoring device in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short circuit is removed. This overload current protective feature eliminates the need for fuses or circuit breakers for the DC load.

Brownout Circuit

The brownout circuit on Sure-Lites exits monitors the flow of AC current to the unit and activates the emergency lighting system when a predetermined reduction of AC power occurs. This dip in voltage will cause most ballasted fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Test Switch/Power Indicator Light

A test switch located on the inside cover of the unit permits the activation of the emergency circuit for a complete operational systems check. The Power Indicator Light provides visual assurance that the AC power is on.

Sealed Nickel Cadmium Battery

Sure-Lites sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. The sealed rechargeable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures. The specially designed resealable vent automatically controls cell pressure, assuring safety and reliability. This battery is best suited for harsh ambient temperatures because the electrolyte is not active in the electrochemical process.

Warranty

The Sure-Lites Architectural Emergency Light is backed by a firm one (1) year warranty against defects in material and workmanship. Maintenance-free, long-life, sealed nickel cadmium batteries carry a fifteen-year pro-rata warranty.



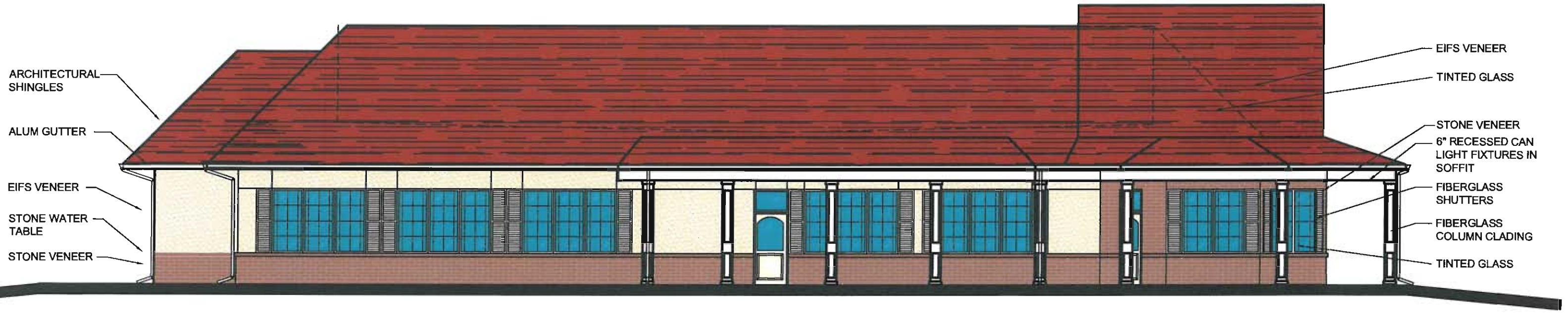
4 FRONT ELEVATION
Scale: 1/8" = 1'-0"

[Handwritten Signature]
STATE OF MISSOURI
STEVEN MERLE FEELER
NUMBER A-005098
REGISTERED ARCHITECT
11/21/11



2 BACK ELEVATION
 Scale: 1/8" = 1'-0"

STATE OF MISSOURI
 STEVEN
 MERLE FEELER
 NUMBER
 A-005098
 REGISTERED ARCHITECT
 11/2/11

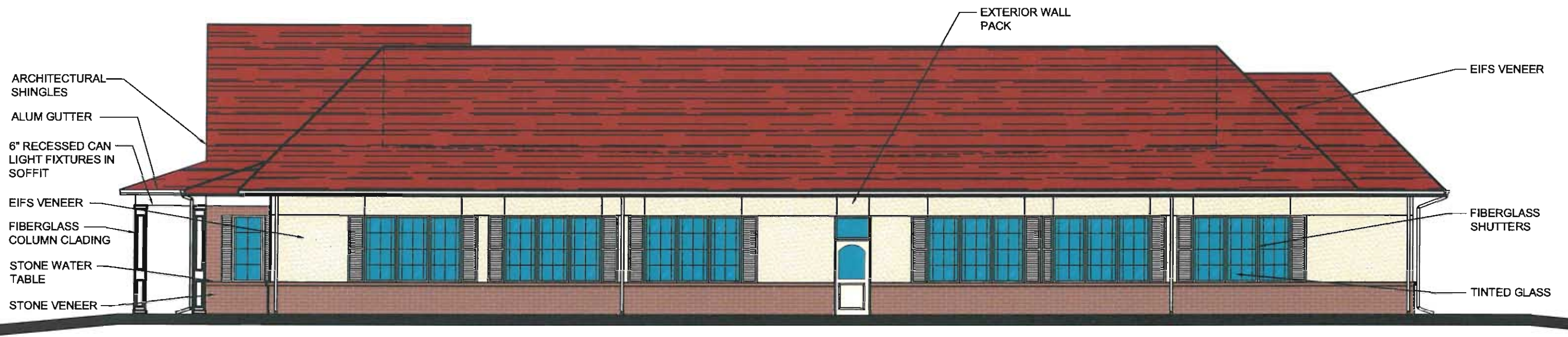


ARCHITECTURAL SHINGLES
 ALUM GUTTER
 EIFS VENEER
 STONE WATER TABLE
 STONE VENEER

EIFS VENEER
 TINTED GLASS
 STONE VENEER
 6" RECESSED CAN LIGHT FIXTURES IN SOFFIT
 FIBERGLASS SHUTTERS
 FIBERGLASS COLUMN CLADDING
 TINTED GLASS

1 LEFT ELEVATION
 Scale: 1/8" = 1'-0"

STATE OF MISSOURI
 STEVEN MERLE FEELER
 NUMBER A-005098
 REGISTERED ARCHITECT
 11/26/11



3 RIGHT ELEVATION
 Scale: 1/8" = 1'-0"

STATE OF MISSOURI
 STEVEN MERLE FEELER
 NUMBER A-005098
 REGISTERED ARCHITECT
 11/26/11