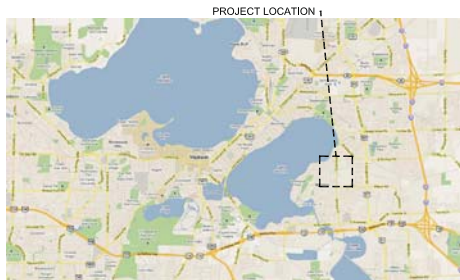


Stop-N-Go of Madison

MADISON, WISCONSIN
SITE PLAN REVIEW

SITE LOCATION



SHEET INDEX

- A0.1 EXISTING SITE DEMOLITION PLAN/ SITE PHOTOS
- A1.0 SITE PLAN AND NOTES
- A1.1 SITE PLAN - AUTOTURN DIAGRAM
- A2.0 FLOOR PLAN AND DETAILS
- A3.0 BUILDING ELEVATIONS
- C200 GRADING PLAN
- C201 EROSION CONTROL PLAN
- C300 UTILITY PLAN
- L1.0 LANDSCAPE PLAN AND SCHEDULES
- EST.0 SITE LIGHTING PLAN

EXISTING PHOTOS

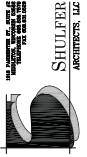
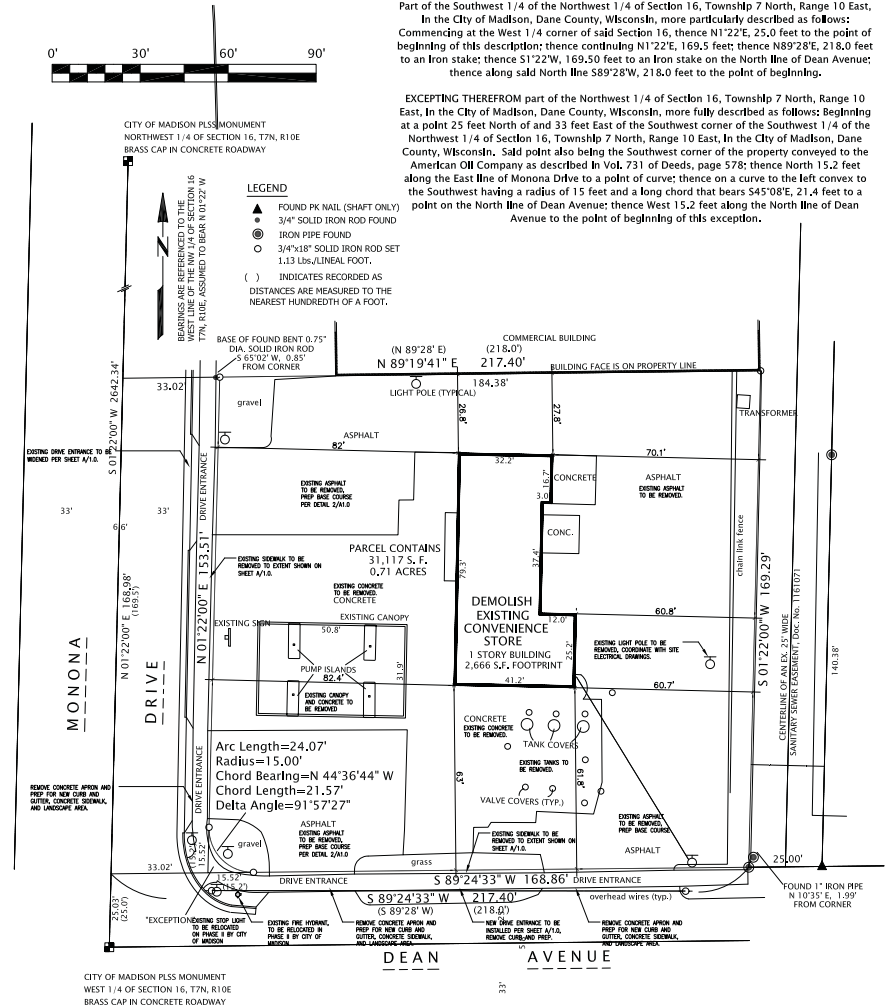


Plat of Survey

DESCRIPTION:

Part of the Southwest 1/4 of the Northwest 1/4 of Section 16, Township 7 North, Range 10 East, In the City of Madison, Dane County, Wisconsin, more fully described as follows: Beginning at a point 25 feet North of and 33 feet East of the Southwest corner of the Southwest 1/4 of the Northwest 1/4 of Section 16, Township 7 North, Range 10 East, In the City of Madison, Dane County, Wisconsin. Said point also being the Southwest corner of the property conveyed to the American Oil Company as described in Vol. 731 of Deeds, page 578; thence North 15.2 feet along the East line of Monona Drive to a point of curve; thence on a curve to the left convex to the Southwest having a radius of 15 feet and a long chord that bears S45°08'E, 21.4 feet to a point on the North line of Dean Avenue; thence West 15.2 feet along the North line of Dean Avenue to the point of beginning of this exception.

EXCEPTING THEREFROM part of the Northwest 1/4 of Section 16, Township 7 North, Range 10 East, In the City of Madison, Dane County, Wisconsin, more fully described as follows: Beginning at a point 25 feet North of and 33 feet East of the Southwest corner of the Southwest 1/4 of the Northwest 1/4 of Section 16, Township 7 North, Range 10 East, In the City of Madison, Dane County, Wisconsin. Said point also being the Southwest corner of the property conveyed to the American Oil Company as described in Vol. 731 of Deeds, page 578; thence North 15.2 feet along the East line of Monona Drive to a point of curve; thence on a curve to the left convex to the Southwest having a radius of 15 feet and a long chord that bears S45°08'E, 21.4 feet to a point on the North line of Dean Avenue; thence West 15.2 feet along the North line of Dean Avenue to the point of beginning of this exception.

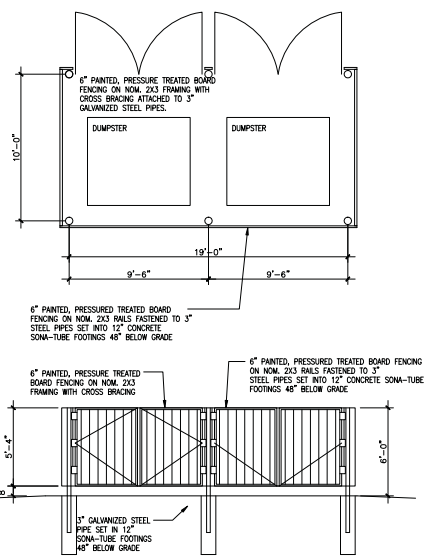


STOP-N-GO
4624 MONONA DRIVE
MADISON, WI 53716

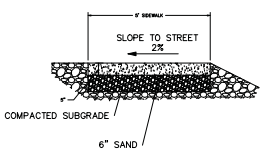
EXISTING SITE PHOTOS
SITE DEMOLITION PLAN

01.24.11
DAT REVIEW
03.16.11
PLAN COMM

A0.1

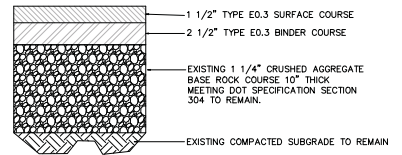


4 TRASH ENCLOSURE DETAIL
SCALE: 1/4"=1'-0"

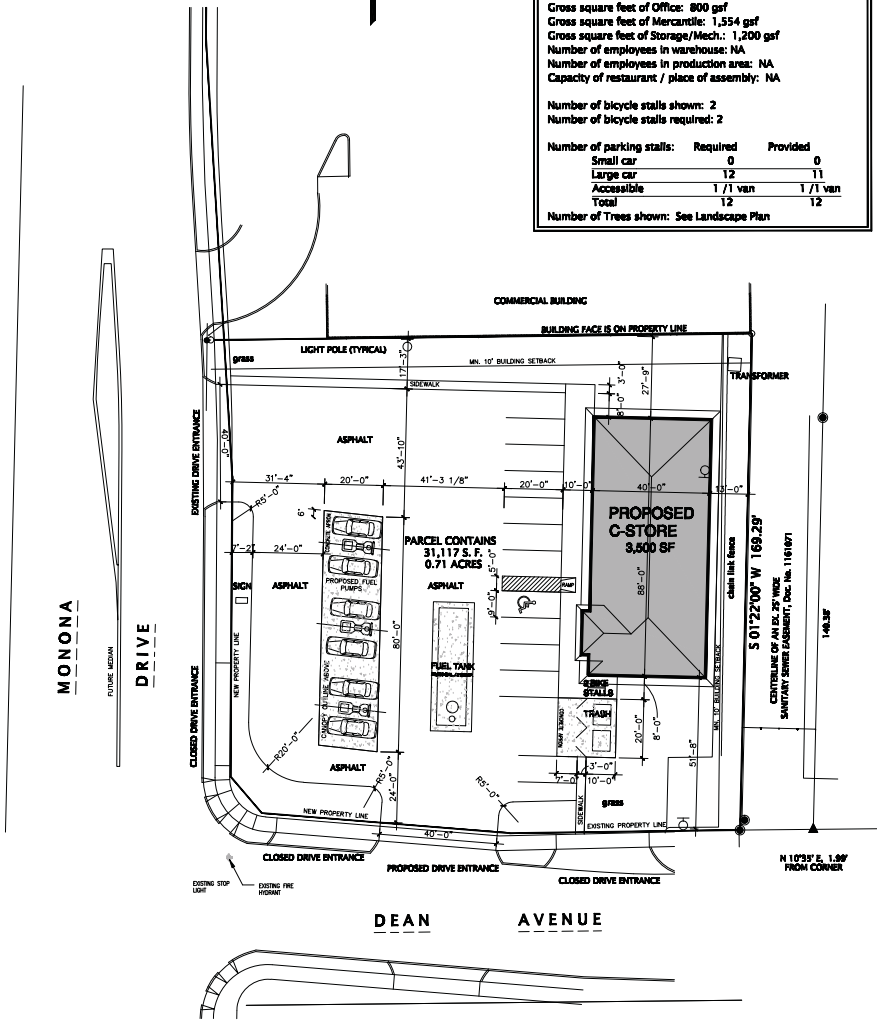


- NOTES:**
1. ALL CONCRETE SHALL COMPLY WITH ARTICLE 501 "CONCRETE" OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION OF THE STATE OF WISCONSIN, DEPARTMENT OF TRANSPORTATION.
 2. CONCRETE SHALL BE A 6 BAG MIX WITH A MIN. COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS, 7% AIR ENTRAINMENT (+/- 1.5%), AND A SLUMP RANGE OF 2" MIN. TO 4" MAX.
 3. SIDEWALK PANELS TO BE SQUARE (5' LONG x 5' WIDE TYP.).
 4. EXPANSION JOINTS TO BE PLACED AT SIDES OF DRIVEWAY APPROACHES, UTILITY VAULTS, CURB RAMPS, AND/OR POINTS OF TANGENCY IN CURB AS SHOWN ON THE STANDARD DRAWINGS FOR SIDEWALK RAMPS, AND AT SPACING NOT TO EXCEED 45'.
 5. FOR SIDEWALKS ADJACENT TO THE CURB AND POURED AT THE SAME TIME AS THE CURB, THE JOINT BETWEEN THEM SHALL BE A TROWELED JOINT WITH A MINIMUM 3/4" RADIUS.
 6. SIDEWALKS SHALL HAVE A MINIMUM THICKNESS OF 7" IF MOUNTABLE CURB IS USED, OR IF SIDEWALK IS INTENDED AS PORTION OF DRIVEWAY, OTHERWISE SIDEWALK SHALL HAVE A MINIMUM THICKNESS OF 5".
 7. CONCRETE SHALL HAVE A BROOM FINISH, ALL JOINTS SHALL BE EDGED.
 8. IN THE EVENT THAT CONCRETE SIDEWALK, DRIVES OR CURB AND GUTTER ARE PLACED IN COLD WEATHER, "COLD WEATHER PROTECTION" SHALL BE APPLIED.

3 SIDEWALK DETAIL
N.T.S.



2 BITUMINOUS PAVEMENT SECTION - CAR TRAFFIC
N.T.S.



1 SITE PLAN (SHOWN WITH PHASE II PROPERTY LINES)
1" = 20'-0"

PARKING LOT PLAN SITE INFORMATION		
Site address: 4624 Monona Drive		
Site acreage (total): 0.71 acres		
Number of building stories (above grade): 1 stories		
Building Height: 24 feet		
Type of construction (new structures or additions): Type V8		
Total square footage of building: 3,554 gsf		
Use of property: Commercial (Mercantile)		
Gross square feet of Office: 800 gsf		
Gross square feet of Mercantile: 1,554 gsf		
Gross square feet of Storage/Mech.: 1,200 gsf		
Number of employees in warehouse: NA		
Number of employees in production area: NA		
Capacity of restaurant / place of assembly: NA		
Number of bicycle stalls shown: 2		
Number of bicycle stalls required: 2		
Number of parking stalls: Required Provided		
Small car	0	0
Large car	12	11
Accessible	1 / 1 van	1 / 1 van
Total	12	12
Number of Trees shown: See Landscape Plan		

STOP-N-GO

ARCHITECTURAL SITE PLAN

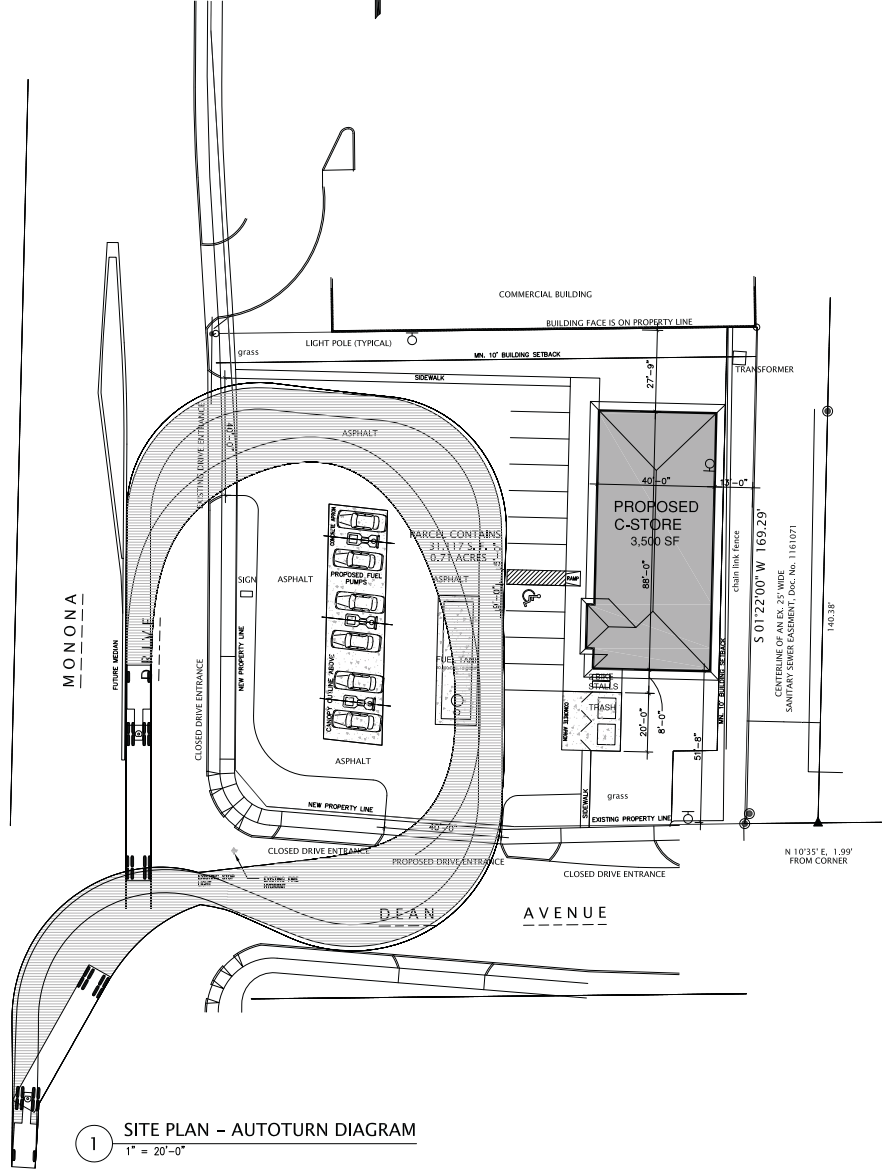
- 01.14.11 REVIEW
- 01.19.11 SITE REVIEW #2
- 01.24.11 DAY REVIEW
- 01.31.11 SITE REVIEW #3
- 02.01.11 SITE REVIEW #4
- 02.14.11 SITE REVIEW #5
- 03.16.11 PLAN COMM

A1.0



4624 MONONA DRIVE
MADISON, WI 53716

0' 30' 60' 90'



1 SITE PLAN - AUTOTURN DIAGRAM
1" = 20'-0"



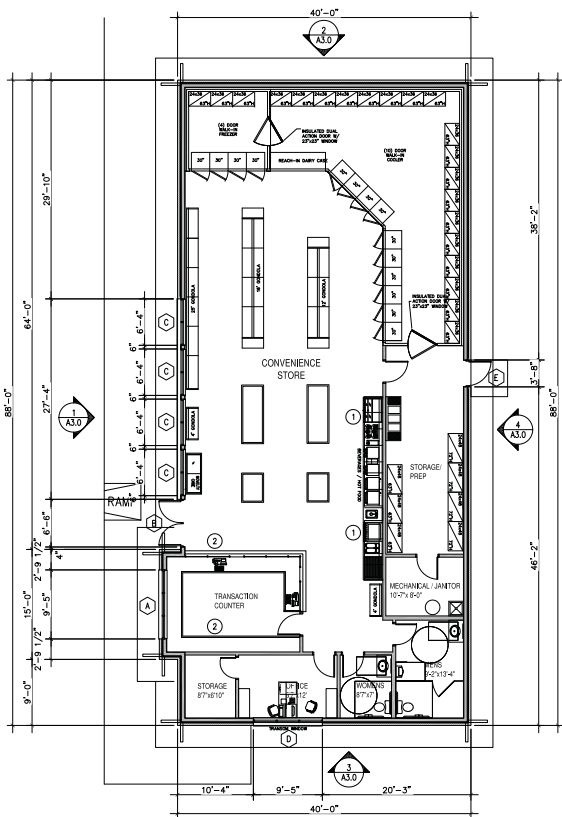
STOP-N-GO

AUTOTURN DIAGRAM

- 01.14.11 REVIEW
- 01.19.11 SITE REVIEW #2
- 01.24.11 DAT REVIEW
- 01.31.11 SITE REVIEW #3
- 02.01.11 SITE REVIEW #4
- 02.14.11 SITE REVIEW #5
- 03.16.11 PLAN COMM

A1.1

4624 MONONA DRIVE
MADISON, WI 53716



1 FLOOR PLAN
1/8"=1'-0"

KEYED PLAN NOTES:

- CONVENIENCE STORE EQUIPMENT BY OTHERS - GENERAL CONTRACTOR TO COORDINATE WITH CONTRACTOR AND OWNER
- TRANSACTION COUNTER CASEWORK AND EQUIPMENT BY OTHERS - COORDINATE WITH GENERAL CONTRACTOR AND OWNER

PARTITION NOTES:

- TYPICAL INTERIOR PARTITION WALLS TO BE 3/4" GMB ON NOM. 2x4 WOOD STUDS.
- PLUMBING WALLS AS NOTED IN ENLARGED FLOOR PLAN 4/A2.0 TO BE ON NOM. 2x4 WOOD STUDS
- EXTEND ALL PARTITION WALL FRAMING AND WALL SUBSTRATE TO UNDERSIDE OF ROOF DECK.
- PROVIDE MOISTURE RESISTANT GMB OR CEMENT BOARD AT NET WALL LOCATIONS AND TILE FINISHES.

GENERAL NOTES:

- ALL WALLS SHALL EXTEND TO ROOF TRUSS BEARING HEIGHT, UNLESS OTHERWISE NOTED.
- PROVIDE BLOCKING FOR ALL TOILET ACCESSORIES, MIRRORS, SHELVING AND CASEWORK SHOWN. COORDINATE FINAL LOCATIONS AND INSTALLATION WITH OWNER.
- COORDINATE FINISH SELECTIONS WITH OWNER AND GENERAL CONTRACTOR.
- ALL EXTERIOR MATERIALS SHALL BE SELECTED AND APPROVED BY OWNER/ARCHITECT.
- ENSURE ALL COMPONENTS OF EXTERIOR EQUIPMENT MEET MINIMUM STATED REQUIREMENTS OF ARCHITECT'S ENVELOPE PERFORMANCE CALCULATIONS, AS SUBMITTED TO THE STATE OF WISCONSIN.
- PROVIDE FRP ON ALL BACKROOM/STORAGE AND KITCHEN PREP WALLS

HVAC NOTES:

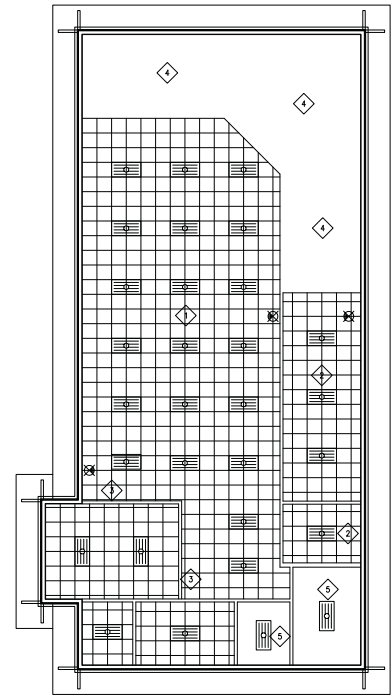
- PROVIDE COMPLETE DESIGN/BUILD DELIVERY METHOD
- INCLUDE ALL PERMITS AND DESIGN SUBMITTALS FOR COMPLETE INSTALLATION.
- INCLUDE EXHAUST FAN IN RESTROOMS.
- PROVIDE ALTERNATE FOR HEAT HOOD OVER PIZZA OVEN.

PLUMBING NOTES:

- PROVIDE COMPLETE DESIGN/BUILD DELIVERY METHOD
- INCLUDE ALL PERMITS AND DESIGN SUBMITTALS FOR COMPLETE INSTALLATION.
- VERIFY SIZE OF EXISTING WATER AND SEWER SERVICE
- PROVIDE 6 IN. SOGA SLEEVE FROM STORAGE TO FOUNTAIN LOCATION
- PROVIDE SENSOR FAUCETS IN RESTROOMS
- PROVIDE 3 OPEN SITE DRAINS IN FOOD SERVICE COUNTERTOPS
- PROVIDE (1) OPEN SITE DRAIN AT BIB LOCATION
- PROVIDE (1) OPEN SITE DRAIN FOR FREEZER CONDENSATE
- PROVIDE (1) FLOOR DRAIN EACH IN RESTROOM(S).
- PROVIDE WATER SOFTNER.
- PROVIDE WATER FILTRATION SYSTEM FOR SODA AND COFFEE DISPENSERS.
- PROVIDE CONNECTION OF ALL OWNER FURNISHED EQUIPMENT.
- PROVIDE BACKFLOW PREVENTOR FOR BAIT ROOM SUPPLY.

ELECTRIC NOTES:

- PROVIDE COMPLETE DESIGN/BUILD DELIVERY METHOD
- INCLUDE ALL PERMITS AND DESIGN SUBMITTALS FOR COMPLETE INSTALLATION.
- PROVIDE (1) 20 AMP CIRCUIT PER FOOD SERVICE ITEM.
- PROVIDE ALL DATA & LOW VOLTAGE WIRING AND TERMINATIONS
- COORDINATE ALL HVAC, PLUMBING, AND REFRIGERATION ELECTRICAL INSTALLATION CONNECTIONS.
- PROVIDE DOOR BUZZER AT ENTRANCE DOORS.
- PROVIDE ALL EGRESS LIGHTING AND EMERGENCY LIGHTING
- EXCLUDE PETROLEUM WIRING AT THIS TIME, PRICE AS ALTERNATE IF DESIRED.



2 REFLECTED CEILING PLAN
1/8"=1'-0"

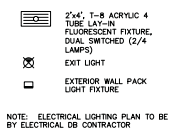
KEYED CEILING PLAN NOTES:

- 2x2 ACOUSTICAL TILE CEILING (REVEAL FISURED), SUSPENDED FROM ROOF TRUSS AT 10'-0" AFF
- 2x2 VINYL ACOUSTICAL TILE CEILING, SUSPENDED FROM ROOF TRUSS 9'-0" AFF
- GMB SOFFIT, 1" BELOW SURROUNDING ACT GRID
- CEILING & LIGHTING INTEGRAL WITH WALK-IN FREEZER/COOLER
- GMB CEILING, TAPED AND FINISHED.

CEILING PLAN GENERAL NOTES:

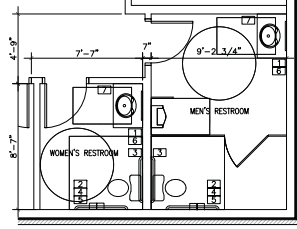
- CENTER CEILING GRID IN ROOM, LEAVING A MINIMUM TILE DIMENSION OF NOT LESS THAN 1'-0" (UNLESS NOTED OTHERWISE).
- COORDINATE HVAC SUPPLY AND RETURN DIFFUSERS, TRANSFER GRILLES, EXHAUST GRILLES, AND ANY OTHER FIXTURE WITH ARCHITECT PRIOR TO INSTALLATION.
- COORDINATE LIGHTING LAYOUT WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE EXHAUST FAN IN EACH RESTROOM AND BAIT ROOM, VENTED TO EXTERIOR.

LIGHTING & CEILING SYMBOLS KEY:

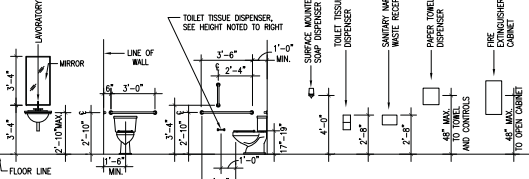


WINDOW & DOOR NOTES:

- EXTERIOR DOORS TO BE 3'-0" x 7'-0" TYP.
- INTERIOR WOOD DOORS TO BE 3'-0" x 6'-8" CLEAR STAINED BIRCH WITH PAINTED HOLLOW METAL FRAMES
- PROVIDE SAFETY GLAZING PER CODE IN ALL DOORS AND FRAMES.
- PROVIDE INSULATED GLAZING IN EXTERIOR DOORS AND FRAMES.
- GO TO VERIFY ALL MATERIAL SPECIFICATIONS.
- ALL EXTERIOR HOLLOW METAL DOORS TO BE INSULATED CORES, GALVANIZED.
- ALL EXTERIOR HOLLOW METAL FRAMES TO BE GALVANIZED.
- GO TO VERIFY ALL HARDWARE WITH OWNER/ARCHITECT.
- PROVIDE REINFORCING IN ALL DOORS AND FRAMES FOR HARDWARE SELECTIONS.
- GL-1: 1" CLEAR LOW-E EXTERIOR GLAZING
- GL-2: 1" CLEAR TEMPERED LOW-E EXTERIOR GLAZING
- REAR (SOUTH) EXIT DOOR TO HAVE DETEX SYSTEM INSTALLED



4 ENLARGED PLAN
1/4"=1'-0"

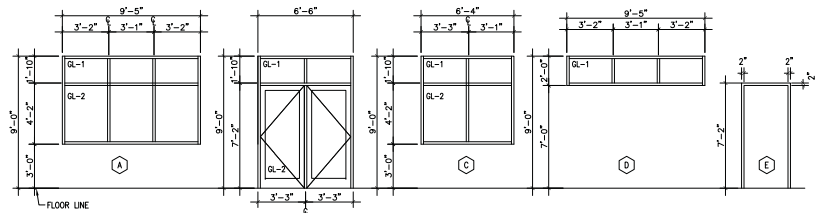


5 FIXTURE MOUNTING HEIGHTS
1/4"=1'-0"

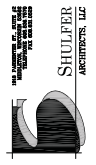
TOILET ROOM ACCESSORIES SCHEDULE

1	WALL MOUNTED LIQUID SOAP DISPENSER
2	DOUBLE ROLL TOWEL MOUNTED TOILET TISSUE DISPENSER
3	36" LONG GRAB BAR HORIZONTAL
4	42" LONG GRAB BAR HORIZONTAL
5	18" LONG GRAB BAR VERTICAL
6	WALL MOUNTED MIRROR
7	PAPER TOWEL DISPENSER

- NOTES:
- ACCESSORIES SHALL BE VERIFIED WITH THE OWNER & CONTRACTOR'S SELECTED MODELS/APTS
 - PROVIDE BLOCKING WITHIN WALLS TO SUPPORT ACCESSORIES
 - HEIGHTS INDICATED



6 WINDOW/DOOR SCHEDULE
1/4"=1'-0"



STOP-N-GO

CONCEPT FLOOR PLAN

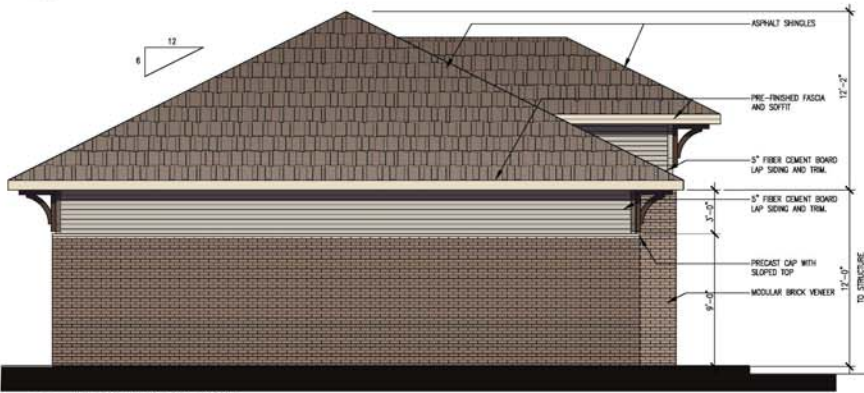
03.08.11
CONCEPT REVIEW
03.16.11
PLAN COMM

A2.0

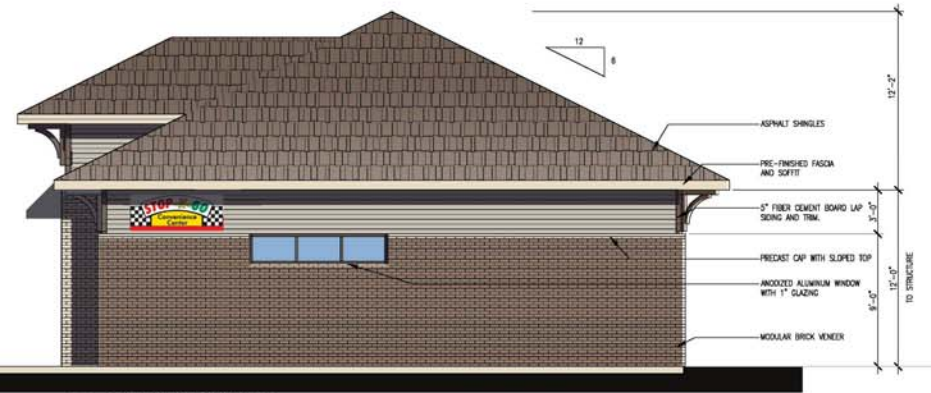
4624 MONONA DRIVE
MADISON, WI 53716



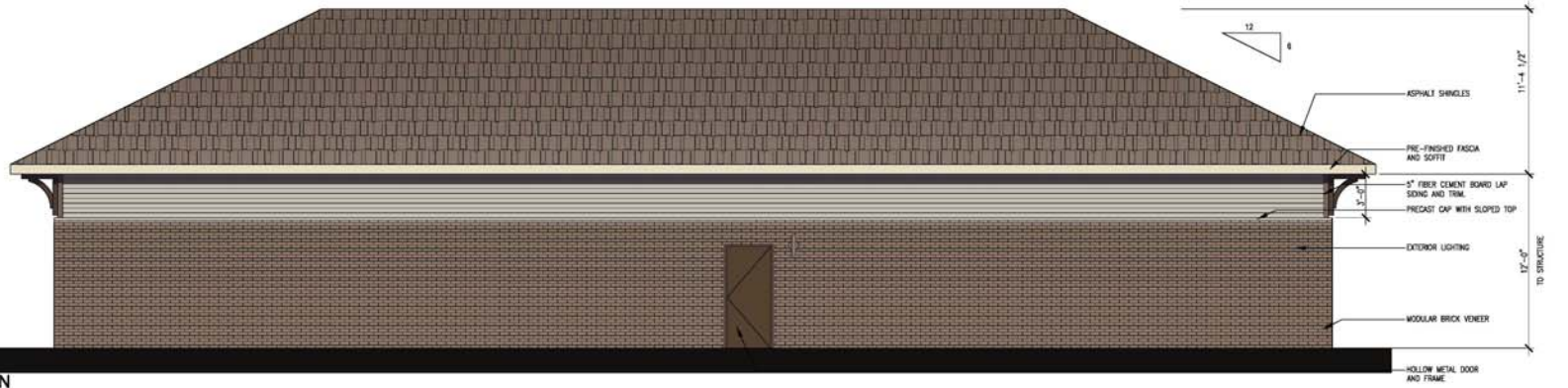
1 WEST ELEVATION
SCALE: 1/8"=1'-0"



2 NORTH ELEVATION
SCALE: 1/8"=1'-0"



3 SOUTH ELEVATION
SCALE: 1/8"=1'-0"



4 EAST ELEVATION
SCALE: 1/8"=1'-0"

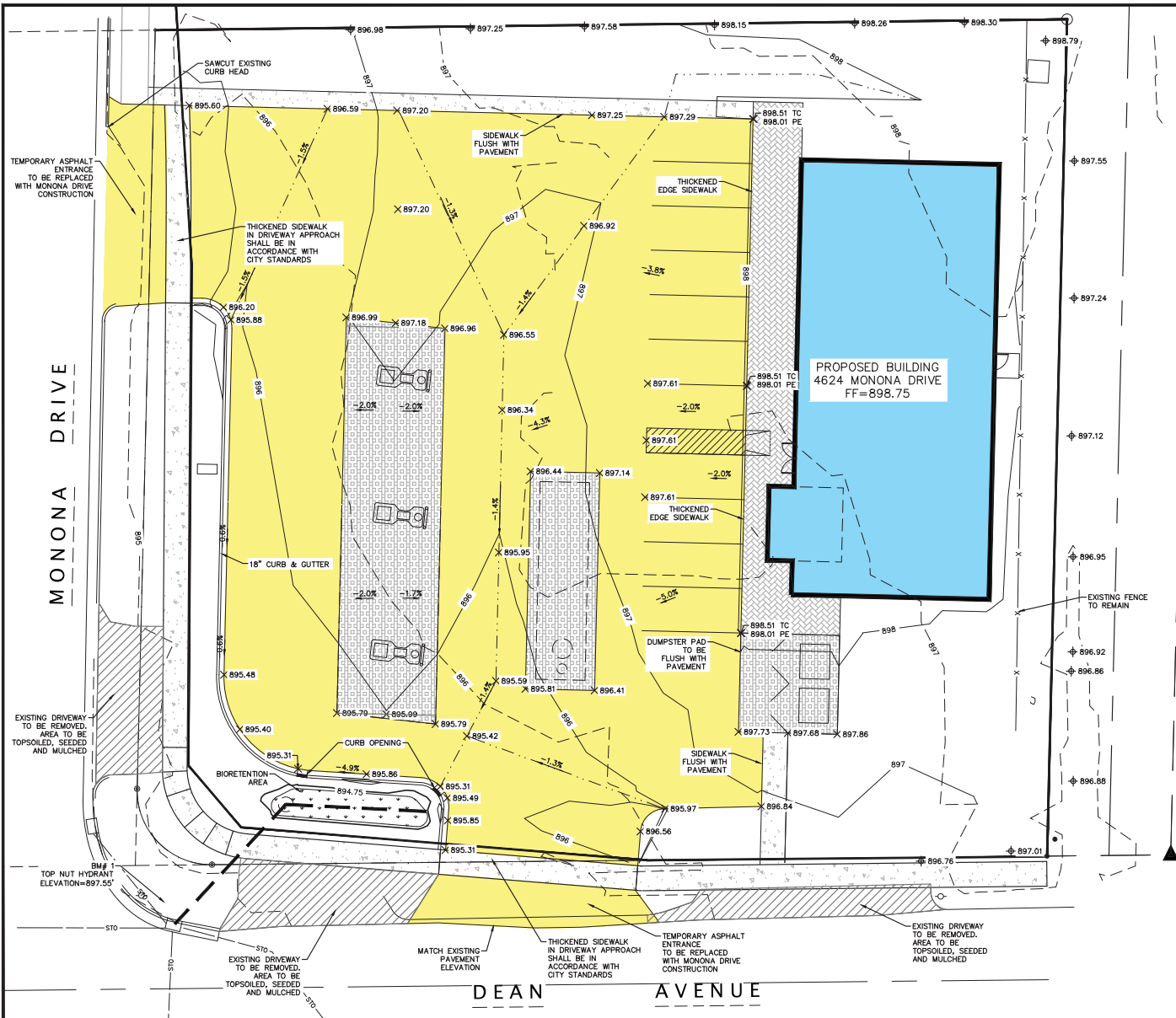


STOP-N-GO
4624 MONONA DRIVE
MADISON, WI 53716

BUILDING ELEVATIONS

01.17.11
CONCEPT REVIEW
03.08.11
Owner Review
03.16.11
PLAN COMM

A3.0



GRADING NOTES

- CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.
 UTILITIES MARKED BY DIGGERS HOTLINE INCLUDE:
 -SBC - CITY OF MADISON
 -LIGHTCORE - US SIGNAL
 -MADISON GAS & ELECTRIC - CHARTER
 -AMERICAN TRANSMISSION CO. - TDS METROCOM
 -KENTUCKY DATA LINK
- ALL MATCHING PAVEMENT AND STORM SEWER ELEVATIONS SHALL BE VERIFIED IN THE FIELD TO ALLOW FOR PROPER DRAINAGE.
- CONTOUR AND SPOT ELEVATIONS SHOWN ARE FINISH GRADE ELEVATIONS.
- ALL LAWN AND PLANTING AREAS WHICH HAVE BEEN COMPACTED DUE TO CONSTRUCTION SHALL BE LOOSENEED PRIOR TO ADDITION OF TOPSOIL.

GRADING LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- ⊕ 1032.00 EXISTING SPOT ELEVATION
- × 1032.00 PE PAVEMENT ELEVATION
- × 1032.00 TC TOP OF CURB ELEVATION
- × 1032.00 PROPOSED SPOT ELEVATION

PAVEMENT KEY

- 4" E3 BITUMINOUS PAVEMENT OVER 10" BASE COURSE
- 5" SIDEWALK
- THICKENED EDGE SIDEWALK
- 6" CONCRETE PAVEMENT W/6X6 WWF, HEAVY DUTY

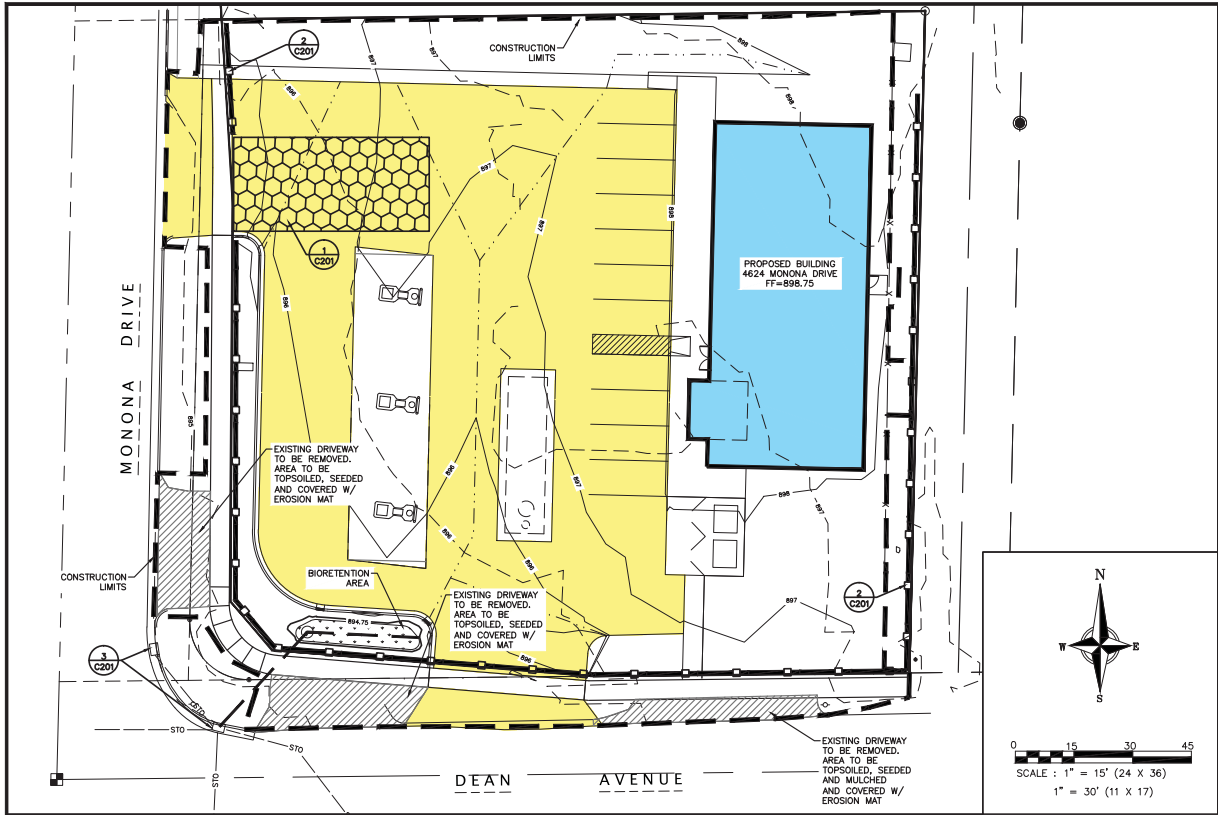
DATE	03-14-11
ISSUANCE/REVISION	
PLAN COMMISSION	

818 N Meadowbrook Ln
 Waunakee, WI 53597
 phone (608) 849-9378
 fax (608) 237-2129

PROFESSIONAL ENGINEERING LLC

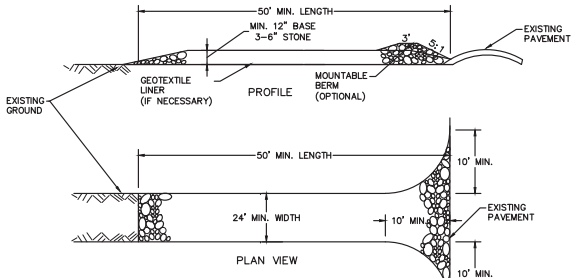
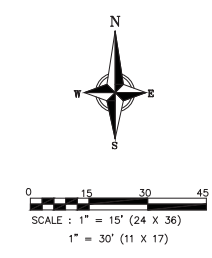
STOP-N-GO GRADING PLAN
 4624 MONONA DRIVE
 MADISON, WISCONSIN

C200

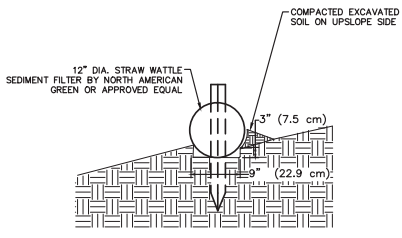


EROSION CONTROL NOTES

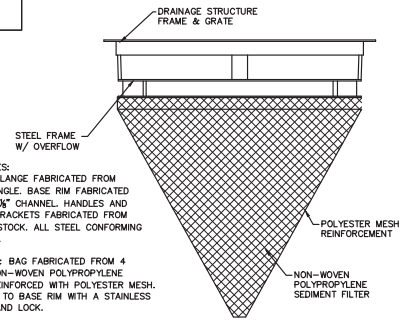
- (1) THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL DEVICES FROM THE START OF LAND DISTURBING CONSTRUCTION ACTIVITIES UNTIL FINAL STABILIZATION OF THE CONSTRUCTION SITE.
- (2) ALL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY EROSION CONTROL AND STORMWATER ORDINANCE AND THE DANE COUNTY EROSION CONTROL AND STORMWATER MANAGEMENT MANUAL. THE CITY RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES AS CONDITIONS WARRANT.
- (3) CLEANING. RIGHT-OF-WAY SURFACES SHALL BE THOROUGHLY CLEANED BEFORE THE END OF EACH WORKING DAY.
- (4) RESTORATION. RESTORATION SHALL BE COMPLETED AS NOTED IN THE CONSTRUCTION SCHEDULE UNLESS OTHERWISE AUTHORIZED BY THE CITY.
- (5) INSPECTION. THE CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROL PRACTICES WEEKLY, AND WITHIN 24 HOURS FOLLOWING A RAINFALL OF 0.5 INCHES OR GREATER. DOCUMENTATION OF EACH INSPECTION SHALL ENTERED INTO THE CITY EROSION CONTROL: PERMIT TRACKING WEBSITE AND SHALL INCLUDE THE TIME, DATE AND LOCATION OF INSPECTION, THE PHASE OF LAND DISTURBANCE AT THE CONSTRUCTION SITE, PERSON CONDUCTING THE INSPECTION, ASSESSMENT OF CONTROL PRACTICES, AND A DESCRIPTION OF ANY EROSION OR SEDIMENT CONTROL MEASURE INSTALLATION.
- (6) STONE TRACKING PAD. BEFORE BEGINNING CONSTRUCTION, CONTRACTOR SHALL INSTALL A STONE TRACKING PAD AT EACH POINT WHERE VEHICLES ENTERS/EXITS THE CONSTRUCTION SITE. STONE TRACKING PADS SHOULD BE AT LEAST 24 FEET WIDE AND 50 FEET LONG, AND CONSTRUCTED OF 3-6 INCH WASHED STONE WITH A DEPTH OF AT LEAST 12 INCHES. ON SITES WITH CLAY SOILS, STONE TRACKING PADS MUST BE UNDERLAIN WITH A GEOTEXTILE LINER TO PREVENT THE STONE FROM SINKING INTO THE SOIL.
- (7) INLET PROTECTION. ALL INLETS SUBJECT TO DRAINAGE SHALL BE PROTECTED WITH A CATCH BASIN FILTER INSERT MANUFACTURED BY MARATHON MATERIALS OR APPROVED EQUAL. A STANDARD SEDIMENT BAG SHALL BE USED DURING CONSTRUCTION. ANY DEPOSITS OF DIRT, MUD, ROCK, DEBRIS, OR OTHER MATERIAL ENTERING THE STORM SEWER SYSTEM SHALL BE PROMPTLY AND THOROUGHLY CLEANED OUT.
- (8) EROSION MAT. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 4H:1V SHALL BE STABILIZED WITH WISCONSIN DOT CLASS 1, TYPE B, EROSION MAT.
- (9) TEMPORARY EROSION CONTROL. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- (10) STABILIZATION. ALL DISTURBED AREAS SHALL BE SEEDED & MULCHED AS SPECIFIED WITHIN 14 WORKING DAYS OF FINAL GRADING.
- (11) TOPSOIL. A MINIMUM OF 4 INCHES OF TOPSOIL MUST BE APPLIED TO ALL AREAS TO BE SEEDED OR SODDED.
- (12) SEEDING. SEED MIXTURE SHALL BE APPLIED AT A RATE OF 2 LBS PER 1,000 SF OF AREA.
- (13) STOCKPILES. ANY SOIL STOCKPILED THAT REMAINS FOR MORE THAN 30 DAYS SHALL BE COVERED OR TREATED WITH STABILIZATION PRACTICES SUCH AS TEMPORARY OR PERMANENT SEEDING AND MULCHING.



1 STONE TRACKING PAD
C201 MTS



2 SEDIMENT FILTER
C201 MTS



GENERAL NOTES:
FRAME: TOP FLANGE FABRICATED FROM 1/2"x1/2"x1/2" ANGLE. BASE RIM FABRICATED FROM 1/2"x1/2"x1/2" CHANNEL. HANDLES AND SUSPENSION BRACKETS FABRICATED FROM 1/2"x1/2" FLAT STOCK. ALL STEEL CONFORMING TO ASTM-A36.
SEDIMENT BAG: BAG FABRICATED FROM 4 OZ./SQ.YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. BAG SECURED TO BASE RIM WITH A STAINLESS STEEL BAND AND LOCK.

3 CATCH BASIN FILTER INSERT
C201 MTS

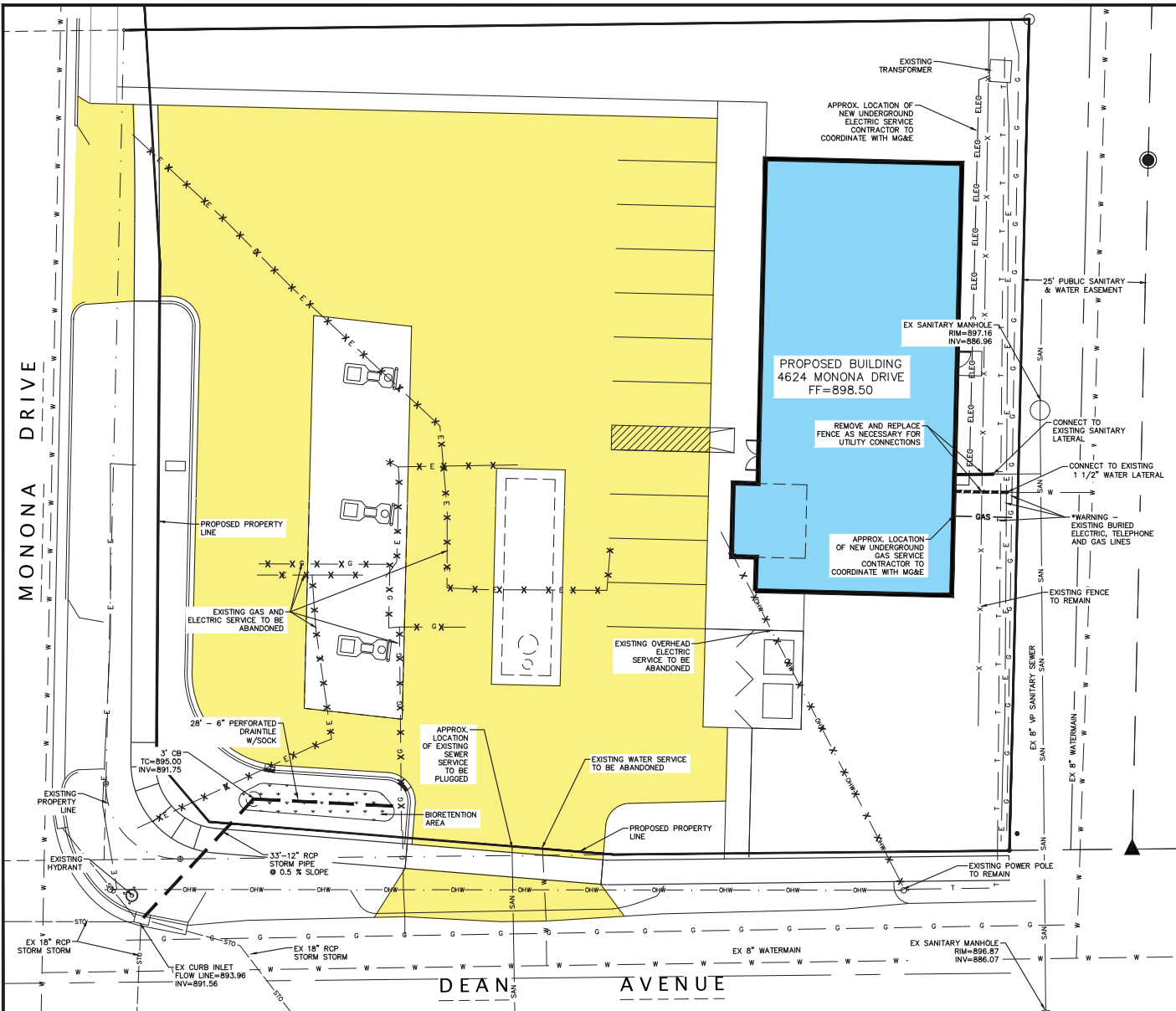
DATE	03-14-11
ISSUANCE/REVISION	
PLAN COMMISSION	

818 N Meadbrook Ln
Wausau, WI 53397
Phone (608) 849-9378
Fax (608) 237-2129



STOP-N-GO EROSION CONTROL PLAN
4624 MONONA DRIVE
MADISON, WISCONSIN

C201



UTILITY NOTES

- CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.
UTILITIES MARKED BY DIGGERS HOTLINE INCLUDE:
- CITY OF MADISON - SBC
- MADISON GAS & ELECTRIC - CHARTER
- CITY OF MONONA
- ALL EXISTING UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE AND WERE FIELD LOCATED FROM GROUND MARKINGS PLACED BY THE UTILITY COMPANIES OR THEIR AGENT. THE LOCATIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- ALL SITE UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A STREET OPENING PERMIT FOR ANY WORK TO BE DONE WITHIN THE RIGHT-OF-WAY.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY PLUGGING/CONNECTION PERMITS FROM THE CITY PRIOR TO ANY UTILITY WORK. CONTRACTOR TO NOTIFY THE PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTING TO PUBLIC UTILITIES.
- RESTORATION OF PAVEMENT, CURB & GUTTER, AND SIDEWALK WITHIN THE STREET RIGHT OF WAY IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF THE UNDERGROUND IMPROVEMENTS.
- ALL STORM SEWER PIPE 12" DIA. OR LARGER IN DIAMETER TO BE ADS-N12 PIPE OR RCP CLASS III REINFORCED CONCRETE WITH RUBBER GASKETS AS NOTED.
- WATER SERVICE SHALL BE TYPE "K" COPPER.
- SANITARY SEWER SERVICES SHALL BE SDR-35 PVC.
- ANY PERSON WHO INSTALLS A NONCONDUCTIVE WATER OR SEWER LATERAL MUST ALSO INSTALL A LOCATION WIRE OR OTHER EQUALLY EFFECTIVE MEANS FOR MARKING THE LOCATION OF THE LATERAL. METHOD SHALL BE APPROVED BY THE CITY.
- CONTRACTOR TO COORDINATE NEW, RELOCATED AND/OR ABANDONED GAS, ELECTRIC, TELEPHONE, AND CABLE WITH APPROPRIATE UTILITY COMPANIES.
- UTILITIES SERVING PROPOSED BUILDINGS SHALL BE STUBBED TO WITHIN 5 FEET OF THE PROPOSED BUILDING(S) AND MARKED WITH A 4"x4" HARDWOOD POST.
- ALL WATER MAIN PIPE AND FITTINGS SHALL BE INSTALLED TO A MIN. DEPTH OF COVER OF 6.5'. AFTER REGRADING, EXISTING WATER MAIN PIPE WHICH DOES NOT MEET THIS REQUIREMENT SHALL BE INSULATED.
- STORM SEWERS WHICH CROSS AN ACTIVE SEWER OR WATER MAIN OR LATERAL SHALL HAVE A MINIMUM CLEAR VERTICAL CLEARANCE OF THREE (3) FEET. CROSSINGS WITH LESSER VERTICAL CLEARANCE SHALL BE PROTECTED FROM FROST DAMAGE BY PLACEMENT OF 2-INCH THICK POLYSTYRENE BOARD INSULATION.
- BUILDING PLUMBER SHALL VERIFY SIZE, SLOPE, AND EXACT LOCATION OF PROPOSED SANITARY LATERALS AND WATER SERVICES PRIOR TO INSTALLATION.

LEGEND

— T — T — T —	EX TELEPHONE
— SAN —	EX SANITARY SEWER
— OHW — OHW —	EX OVERHEAD ELECTRIC
— E — E — E —	EX ELECTRIC UNDERGROUND
— W — W — W —	EX WATER
— G — G — G —	EX GAS UNDERGROUND
— STO —	EX STORM SEWER



SCALE : 1" = 10' (24 X 36)
1" = 20' (11 X 17)

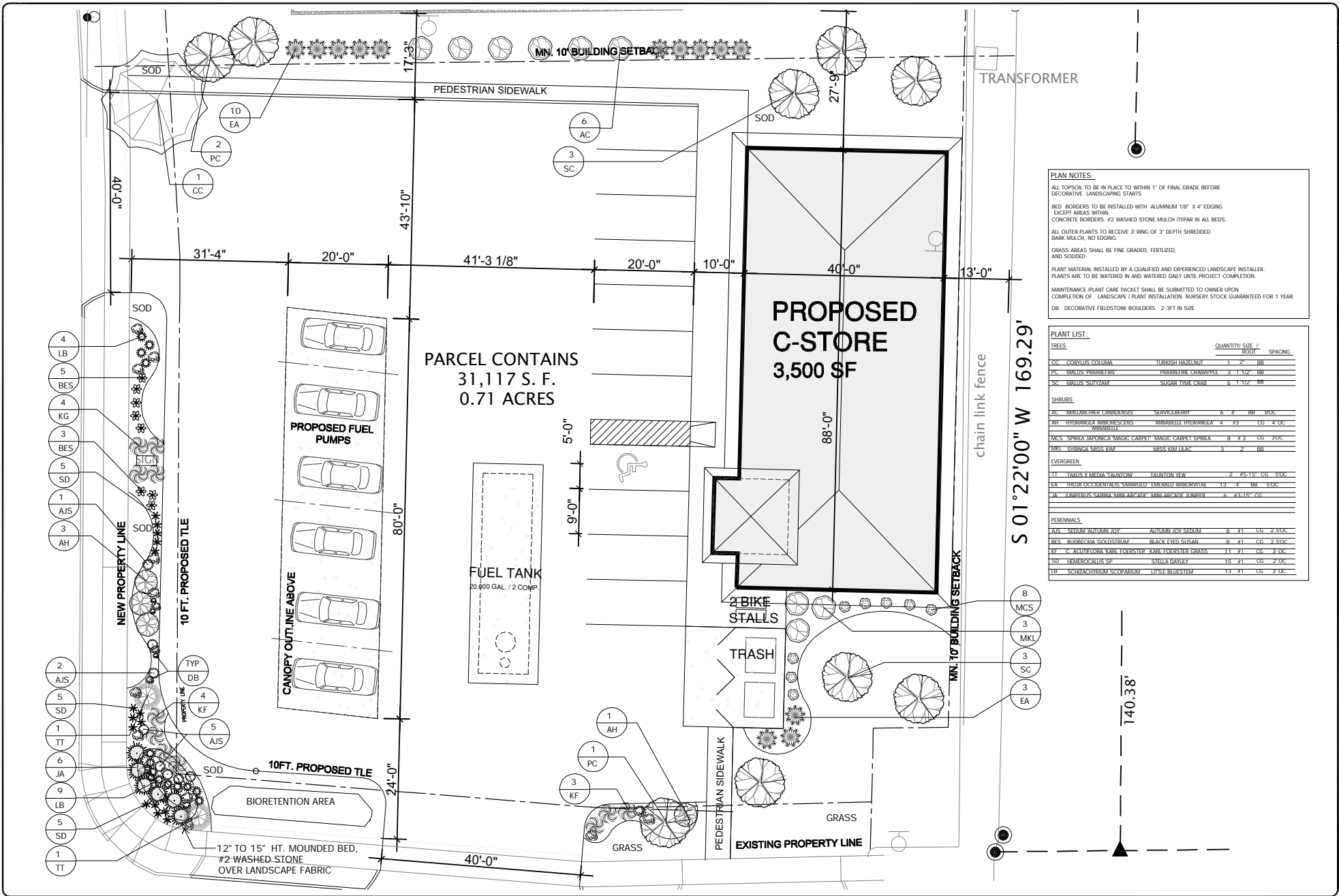
DATE	03-14-11
ISSUANCE/REVISION	
PLAN COMMISSION	

818 N Meadowbrook Ln
Waunakee, WI 53597
phone (608) 849-9378
fax (608) 237-2129



**STOP-N-GO
UTILITY PLAN**
4624 MONONA DRIVE
MADISON, WISCONSIN

C300



PARCEL CONTAINS
31,117 S. F.
0.71 ACRES

**PROPOSED
C-STORE
3,500 SF**

**PROPOSED FUEL
PUMPS**

NEW PROPERTY LINE
10 FT. PROPOSED TLE

FUEL TANK
20,000 GAL. / 2 COMP.

BIORETENTION AREA

12' TO 15" HT. MOUNDED BED,
#2 WASHED STONE
OVER LANDSCAPE FABRIC

PLAN NOTES:
ALL TOPSOIL TO BE IN PLACE TO WITHIN 1" OF FINAL GRADE BEFORE DECORATIVE LANDSCAPING STARTS.
BED BORDERS TO BE INSTALLED WITH ALUMINUM 1/8" X 4" EDGING EXCEPT AREAS WITH CONCRETE BORDERS. #2 WASHED STONE MULCH /YPAR IN ALL BEDS.
ALL OUTER PLANTS TO RECEIVE 3" RING OF 3" DEPTH SHREDDED BARK MULCH, NO EDGING.
GRASS AREAS SHALL BE FINE GRADED, FERTILIZED, AND SOODED.
PLANT MATERIAL INSTALLED BY A QUALIFIED AND EXPERIENCED LANDSCAPE INSTALLER. PLANTS ARE TO BE WATERED IN AND WATERED DAILY UNTIL PROJECT COMPLETION.
MAINTENANCE PLANT CARE PACKET SHALL BE SUBMITTED TO OWNER UPON COMPLETION OF LANDSCAPE / PLANT INSTALLATION. NURSERY STOCK GUARANTEED FOR 1 YEAR.
DB DECORATIVE FIELDSTONE BOULDERS - 2-3FT IN SIZE

PLANT LIST:

TREES	QUANTITY	SIZE / ROOT	SPACING
CC COXYLUS COLYMA	1	2" BB	
TK TURKISH HAZELNUT	1	2" BB	
PC MALUS PRINSEPI	2	1 1/2" BB	
PC MALUS PRINSEPI	2	1 1/2" BB	
SC MALUS SUYIZAMI	6	1 1/2" BB	
SHRUBS			
BE BERTONIA CANADENSIS	6	4" BB	3'x3'
SH SHIBBANEY	6	4" BB	3'x3'
HT HYDRANGEA ARBORESCENS	4	2" LG	4'x4'
AN ANABELLE	4	2" LG	4'x4'
MCS SPIREA JAPONICA 'MAGIC CARPET'	8	2" LG	3'x3'
MCS SPIREA JAPONICA 'MAGIC CARPET'	8	2" LG	3'x3'
MKL STRONGA VISSA KUMI	3	2" BB	
MKS MISS KUMI	3	2" BB	
EVERGREEN			
TI TAXUS MEDIA 'TAUNTON'	2	7.5" LG	5'x5'
TAUNTON VIEW	2	7.5" LG	5'x5'
EA THEJA OCCIDENTALIS 'SMARGLY'	1	4" BB	5'x5'
EMERALLY ARBORESCENS	1	4" BB	5'x5'
JA JAPANESE SPIDER GLOVE	1	4" BB	5'x5'
SD SIBYRICA SP	15	4" LG	2'x2'
STELLA DAVLEY	15	4" LG	2'x2'
UH SCHIZACHYRIUM SCOPARIUM	13	4" LG	2'x2'
PERENNIALS			
AJS SHEQU ANJUMUM OY	8	4" LG	2'x2'
ANJUMUM OY SEKKIM	8	4" LG	2'x2'
BES RUBROECRA GOODENIUM	8	4" LG	2'x2'
BLACK EYED SUSAN	8	4" LG	2'x2'
BT C. ANTHELOBA VAR. FORESTIERI	11	4" LG	2'x2'
VAR. FORESTIERI GRASS	11	4" LG	2'x2'
SD HEMEROCALLIS SP	15	4" LG	2'x2'
STELLA DAVLEY	15	4" LG	2'x2'
UH SCHIZACHYRIUM SCOPARIUM	13	4" LG	2'x2'

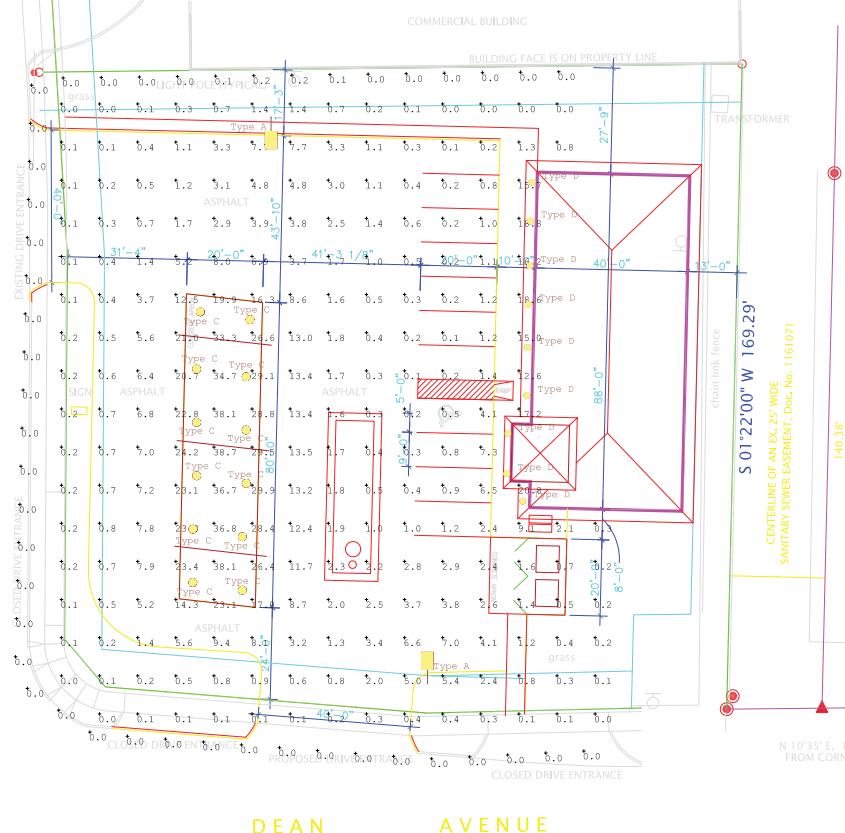
McKay Nursery Company
1000 S. MONONA
MONONA, WI 53151
TEL: 920-778-2727
WWW.MCKAYNURSERY.COM

McKay Nursery Company
1000 S. MONONA
MONONA, WI 53151
TEL: 920-778-2727
WWW.MCKAYNURSERY.COM

LANDSCAPE PLAN
STOP AND GO MONONA -- SUPREME STRUCTURES
MONONA, WI

S. DEVLIN
4-20-2011
MARCH 2011
1/2" = 1'-0"
SHEET NO. 2416
STOP & GO MONONA

FIXTURE SCHEDULE	
Type A	200 W PSMH Area Cut Off with BLS on 17' Pole
Type B	NOC Used
Type C	Beta Flat Lens Recess 175W PSMH Canopy Fixture
Type D	70 W MH Recess Fixture Soffit Mounted



StatArea A
parking
Illuminance Values (Fc)
Average =7.28
Maximum =38.7
Minimum =0.1
Avg/Min Ratio=72.80
Max/Min Ratio=387.00
Max/Avg Ratio=5.32

StatArea
canopy
Illuminance Values (Fc)
Average =26.58
Maximum =38.7
Minimum =12.5
Avg/Min Ratio=2.13
Max/Min Ratio=3.10
Max/Avg Ratio=1.46

General Notes

No.	Revision/Issue	Date

Firm Name and Address

Lyons Electric Co.
75 Enterprise Rd
Delafield, WI

Project Name and Address

Stop N Go Store
Monona Rd
Madison, WI

Project	Drawn
Date 03/11/2011	ES
Scale Not to Scale	

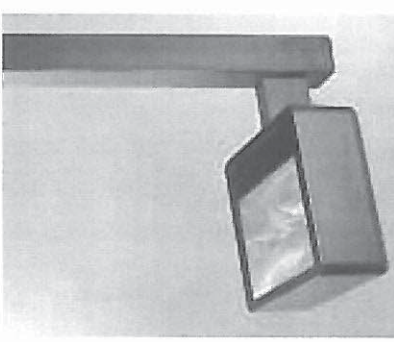
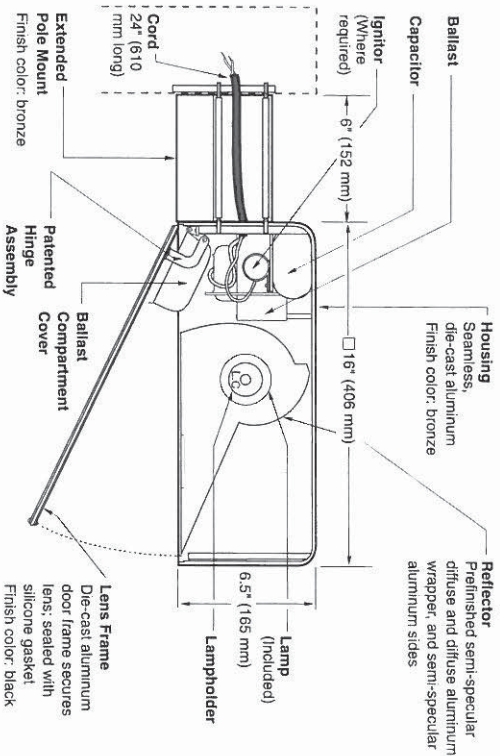
6" EXTENDED POLE MOUNT

STOP-M-80

16" (406 mm) AREA CUTOFF LIGHT

type A

**AC2-16
SERIES**



Notes

SPEC # WATTAGE CATALOG

PULSE START METAL HALIDE		
<input checked="" type="checkbox"/>	200W PSMH	AC2620-(a)(b)
<input type="checkbox"/>	250W PSMH	AC2625-(a)(b)
<input type="checkbox"/>	320W PSMH	AC2632-(a)(b)
<input type="checkbox"/>	350W PSMH	AC2635-(a)(b)
<input type="checkbox"/>	400W PSMH	AC2640-(a)(b)
METAL HALIDE		
<input type="checkbox"/>	175W MH	AC2417-(a)(b)
<input type="checkbox"/>	250W MH	AC2425-(a)(b)
<input type="checkbox"/>	400W MH	AC2440-(a)(b)
HIGH PRESSURE SODIUM		
<input type="checkbox"/>	250W HPS	AC2525-(a)(b)
<input type="checkbox"/>	400W HPS	AC2540-(a)(b)

Specify (a) Voltage & (b) Options.
 † Reduced envelope ED28 lamp.

(a) VOLTAGE SUFFIX KEY

M	120/208/240/277V (Standard)
T	120/277/347V (Canada Only) (Standard)
1	120V
2	277V
27	277V Reactor (PSMH Only)
3	208V
4	240V
5	480V
6	347V (Canada Only)

For voltage availability outside the US and Canada, see Bulletin TD-9 or contact your Ruud Lighting authorized International Distributor.

(b) OPTIONS (factory-installed)

-(a)F	Fusing
-(a)P	Button Photocell
-5P	External Photocell (for 480V)
Q	Quartz Standby (includes 100W quartz lamp) (N/A on 277V Reactor)

Specify (a) Single Voltage — See Voltage Suffix Key

GENERAL DESCRIPTION

60° forward throw sharp cutoff luminaire for HID lamp, totally enclosed. Housing is seamless, die-cast aluminum. Mounting consists of a 1.8" (44 mm) wide by 4.5" (114 mm) high by 6" (152 mm) long extruded aluminum arm. The arm is held in place with two 3/8" (9 mm) mounting rods fastened to a steel backing plate inside the pole, and by two nuts inside the fixture housing. Mounting rods are provided with sealing washers to prevent water leakage. Lens assembly consists of rigid aluminum frame and high-impact, clear-tempered glass.

ELECTRICAL

Fixture includes clear, mogul-base lamp; 320 – 400W PSMH and 400W MH utilize the ED28 reduced envelope lamp. Pulse-rated porcelain enclosed, 4kv-rated screw-shell-type lampholder with spring-loaded center contact and lamp grips. Lamp ignitor included where required. All ballast assemblies are high-power factor and use the following circuit type:

Reactor (277V PSMH)
 200 – 400W PSMH
CWA — Constant Wattage Autotransformer
 200 – 400W PSMH; 175 – 400W MH;
 250 – 400W HPS

PATENTS

US 4,689,729

FINISH

Exclusive DeltaGuard® finish features an E-coat epoxy primer with medium bronze ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. The finish is covered by our seven-year limited warranty.

LABELS

ANSI lamp wattage label supplied, visible during relamping. UL Listed in US and Canada for wet locations and enclosure classified IP65 per IEC 529 and IEC 598.

ACCESSORIES

FMG-16 Wire Guard
SBL-16 Backlight Shield

9201 Washington Avenue Racine, Wisconsin 53406-3772 USA

PHONE (262) 886-1900

FAX (262) 884-3309

© Ruud Lighting Inc. Printed in USA

www.ruudlighting.com

1/16/05

RUUD
LIGHTING

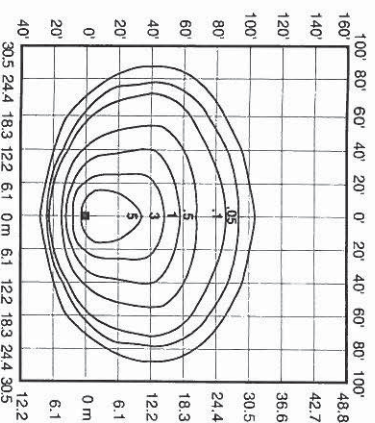
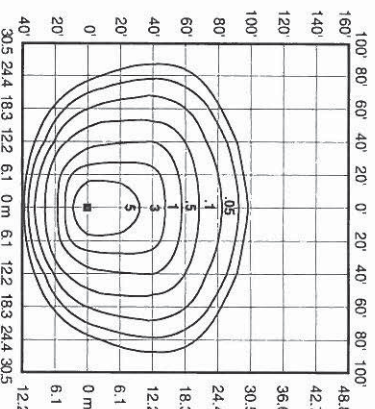
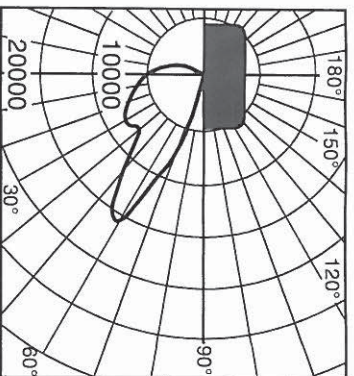
**AG2-16
SERIES**

**6" EXTENDED POLE MOUNT
16" (406 mm) AREA CUTOFF LIGHT**

EPA RATING

EPA 0.95 for single fixture with 0° tilt (Consult factory for EPA rating on multiple units).

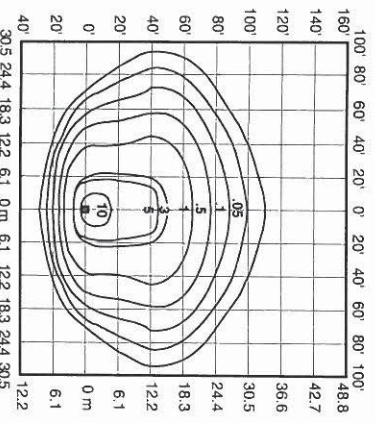
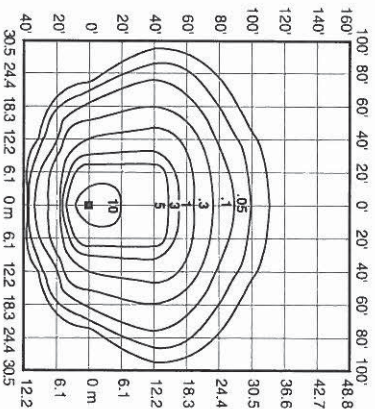
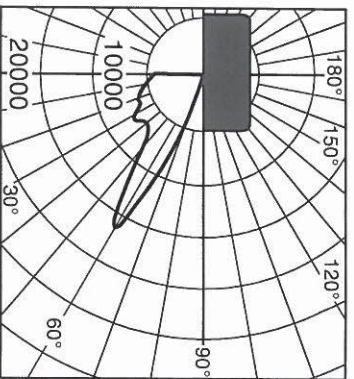
Isofootcandle plots show initial footcandles at grade. (Footcandles ÷ 0.0929 = Lux)



Lighting Sciences Inc.
Certified Test Report No. LSI 10553
Candlepower distribution curve of 400W MH
Area Cutoff Light without backlight shield.

Isofootcandle plot of 400W MH Area
Cutoff Light at 25' (7.6 m) mounting
height, 0° vertical tilt, with backlight
shield removed. (Plan view)

Isofootcandle plot of 400W MH Area Cutoff
Light at 25' (7.6 m) mounting height,
0° vertical tilt, with backlight shield located
for backlight cutoff. (Plan view)

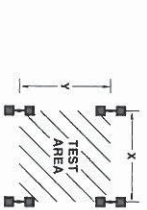


Lighting Sciences Inc.
Certified Test Report No. LSI 10246
Candlepower distribution curve of 250W HPS
Area Cutoff Light without backlight shield.

Isofootcandle plot of 400W HPS Area Cutoff
Light at 25' (7.6 m) mounting height, 0°
vertical tilt, with backlight shield removed.
(Plan view)

Isofootcandle plot of 400W HPS Area Cutoff
Light at 25' (7.6 m) mounting height,
0° vertical tilt, with backlight shield located
for backlight cutoff. (Plan view)

Pole-spacing Example Data



Test area is centered within a (16) pole layout.

Average Initial Light Levels at Grade

2 Fixtures per pole @ 180°
(Footcandles ÷ 0.0929 = Lux)

Catalog #	Lamp Type	Lamp Lumens	Mounting Height	Max. Recommended Pole-spacing		Footcandles		Lux
				X x Y	X x Y	Footcandles	Lux	
AC2417-M	175W MH	12,000	15' (4.6 m) 20' (6.1 m)	60' (18.3 m) x 85' (25.9 m) 75' (22.9 m) x 110' (33.5 m)	3.56 2.11	2.11	38 23	38 23
AC2425-M	250W MH	20,000	20' (6.1 m) 25' (7.6 m)	75' (22.9 m) x 110' (33.5 m) 95' (29.0 m) x 140' (42.7 m)	3.51 2.10	2.10	38 23	38 23
AC2440-M	400W MH	32,000	25' (7.6 m) 30' (9.1 m)	95' (29.0 m) x 140' (42.7 m) 115' (35.1 m) x 165' (50.3 m)	3.36 2.29	2.29	36 25	36 25
AC2525-M	250W HPS	28,500	20' (6.1 m) 25' (7.6 m)	75' (22.9 m) x 110' (33.5 m) 95' (29.0 m) x 140' (42.7 m)	4.83 2.89	2.89	52 31	52 31
AC2540-M	400W HPS	50,000	25' (7.6 m) 30' (9.1 m)	95' (29.0 m) x 140' (42.7 m) 115' (35.1 m) x 165' (50.3 m)	5.08 3.37	3.37	55 36	55 36



9201 Washington Avenue Racine, Wisconsin 53406-3772 USA

PHONE (262) 886-1900

FAX (262) 884-3309

© Ruud Lighting Inc.

Printed in USA

www.ruudlighting.com

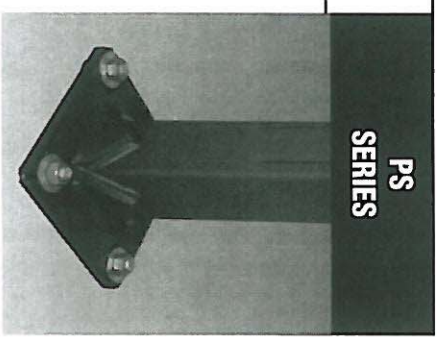
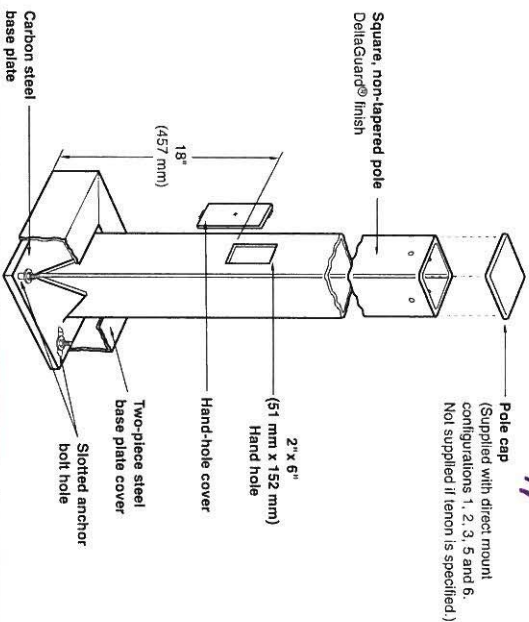
11/16/05

**PREMIUM STEEL
CROWN-WELD® POLES**

Stop-N-Go

Type A

**PS
SERIES**



Notes

SPEC # CATALOG # POLE SIZE

SPEC #	CATALOG #	POLE SIZE	H (m) x W (m) x Wall (m)	H (m) x W (mm) x Wall (mm)
<input type="checkbox"/>	SPEC # PS3S100C(a)BZ	10 x 3 x 0.125	3.0 x 76 x 3	
<input type="checkbox"/>	SPEC # PS3S150C(a)BZ	15 x 3 x 0.125	4.6 x 76 x 3	
<input type="checkbox"/>	SPEC # PS3S200C(a)BZ	20 x 3 x 0.125	6.1 x 76 x 3	
<input type="checkbox"/>	SPEC # PS4S100C(a)BZ	10 x 4 x 0.125	3.0 x 102 x 3	
<input type="checkbox"/>	SPEC # PS4S120C(a)BZ	12 x 4 x 0.125	3.7 x 102 x 3	
<input type="checkbox"/>	SPEC # PS4S150C(a)BZ	15 x 4 x 0.125	4.6 x 102 x 3	
<input checked="" type="checkbox"/>	SPEC # PS4S170C(a)BZ	17 x 4 x 0.125	5.2 x 102 x 3	
<input type="checkbox"/>	SPEC # PS4S200C(a)BZ	20 x 4 x 0.125	6.1 x 102 x 3	
<input type="checkbox"/>	SPEC # PS4S220C(a)BZ	22 x 4 x 0.125	6.7 x 102 x 3	
<input type="checkbox"/>	SPEC # PS4S225C(a)BZ	22 x 4 x 0.188	6.7 x 102 x 5	
<input type="checkbox"/>	SPEC # PS4S250C(a)BZ	25 x 4 x 0.125	7.6 x 102 x 3	
<input type="checkbox"/>	SPEC # PS4S255C(a)BZ	25 x 4 x 0.188	7.6 x 102 x 5	
<input type="checkbox"/>	SPEC # PS4S270C(a)BZ	27 x 4 x 0.125	8.2 x 102 x 3	
<input type="checkbox"/>	SPEC # PS4S300H(a)BZ	30 x 4 x 0.125	9.1 x 102 x 3	
<input type="checkbox"/>	SPEC # PS4S30H(a)BZ	30 x 4 x 0.188	9.1 x 102 x 5	
<input type="checkbox"/>	SPEC # PSSS25S(a)BZ	25 x 5 x 0.188	7.6 x 127 x 5	
<input type="checkbox"/>	SPEC # PSSS30S(a)BZ	30 x 5 x 0.188	9.1 x 127 x 5	
<input type="checkbox"/>	SPEC # PSSS30S(a)BZ	30 x 6 x 0.188	9.1 x 152 x 5	

Specify (a) pole configuration.

(a) POLE CONFIGURATION

<input checked="" type="checkbox"/> 1	Single (direct mount)	<input type="checkbox"/> 5	Triple (direct mount)
<input type="checkbox"/> 2	Twin @ 180° (direct mount)	<input checked="" type="checkbox"/> 6	Quad (direct mount)
<input type="checkbox"/> 3	Twin @ 90° (direct mount)	<input type="checkbox"/> T	Tenon (order tenon separately)

For fixtures with fixed 20° mount, add prefix 2 to configuration numbers:
i.e. 21, 22, 23, 25 and 26

GENERAL DESCRIPTION

Non-tapered steel poles are supplied with welded base with cover, four galvanized anchor bolts, masonite mounting template and a pole cap (except tenon mount). Each bolt is provided with two washers and two nuts. Steel pole base has slotted holes. Per National Electrical Code requirements, pole is standard with a 2" x 6" (51 x 152 mm) hand hole, located 18" (457 mm) above bottom of pole base. A #10-32 stainless-steel weld stud with grounding lug is located inside pole, opposite hand hole; a hand hole cover is supplied but shipped separately. In addition, 4" x 27" and 4" x 30" poles include an internal 5/16" steel reinforced sleeve welded inside the bottom 24" of the pole, as well as a reinforcement welded around the hand hole for added strength. For EPA ratings, see "Windloading" sheet.

PATENT

US 5,820,255; 6,640,517. Patent pending

MATERIALS

Square, non-tapered pole of structural steel tubing (ASTM A 500); with a minimum yield strength of 46,000 p.s.i. Welded to a formed carbon steel base plate with a minimum yield strength of 36,000 p.s.i.

FINISH

Exclusive Colorfast DeltaGuard® finish features an E-coat epoxy primer with medium bronze ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. The finish is covered by our seven-year limited warranty.

LABELS

Ruud Lighting square poles meet or exceed National Electrical Code Requirements. In the US, Ruud square poles are classified by Underwriters Laboratories Inc. for electrical ground bonding; in Canada, they are CSA certified for electrical ground bonding and structural strength.

ACCESSORY

Catalog # REC-GFIBZ (120V)
Wet Listed In-use cover



**GFI Outlet
Accessory**

9201 Washington Avenue Racine, Wisconsin 53406-3772 USA

PHONE (262) 886-1900

FAX (262) 884-3309

© Ruud Lighting Inc. Printed in USA

www.ruudlighting.com

05/17/10



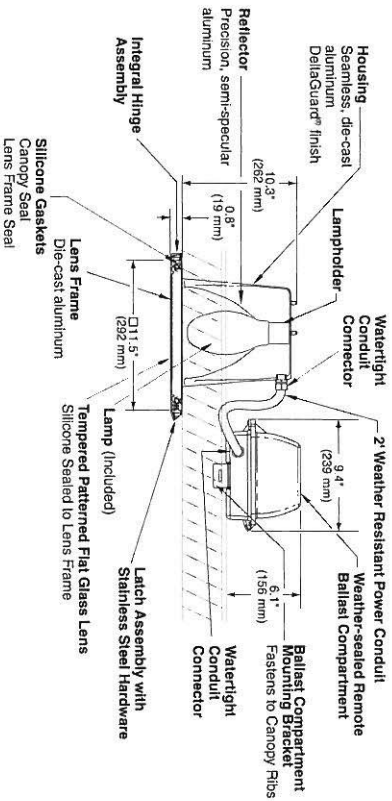
5700-N-CO

Beta Catalog Number: BCP-CON-V-L4-RM-175MY-MT-WH

Notes: *Type C*



Patterned Flat Glass Lens



Product Family	Housing Indicator	Lamp Position	Optical Distribution	Mounting Options	Lamp Selection	Ballast Voltage	Color Options
BCP	CON	V	L4 ¹	RM ²	<input type="checkbox"/> 150 PMH <input checked="" type="checkbox"/> 175 MHX <input type="checkbox"/> 200 PMH <input type="checkbox"/> 250 PMH <input type="checkbox"/> 320 PMH <input type="checkbox"/> 350 PMH <input type="checkbox"/> 400 PMH	<input checked="" type="checkbox"/> MT ³ <input type="checkbox"/> 34-347V <input type="checkbox"/> 48-480V ⁴ <input type="checkbox"/> 5_-50Hz ⁵	<input checked="" type="checkbox"/> WH <input type="checkbox"/> BK

*Lamp Abbreviation Key:
 PMH = Pulse Short Metal Halide
 MHX = Metal Halide
 HPS = High Pressure Sodium

Field-Installed Accessories



Circle Cutting Tool
 CAR-MCC⁶



Opening Tool
 CAR-OT



Complete Relamping Kit
(Includes Lamp Basket, JIP Bar and Opening Tool)
 CAR-RLS

1-L4 (Patterned Flat Lens) 3-All fixtures are standard with multi-tap (MT) ballast 5-International 50 Hertz ballasts available, consult factory
 2-RM (Recessed Mount)-designed for use in single or double skin petroleum canopy installations with 12" (305 mm) or 16" (406 mm) wide panels; fixture mounts into a 9.25" (235 mm) diameter hole cut into decking 4-All wattages available with 480V ballast 6-2500 min RPM drill required (by others)

General Description

Canopy luminaire for HID lamp, totally enclosed. Brightened and anodized aluminum symmetrical reflector provides IESNA Full Cutoff Classification. Housing is seamless, die-cast aluminum. Suitable for use in single or double skin canopies with 12" (305 mm) or 16" (406 mm) wide panels. Designed for canopies of 19 - 22 gauge (maximum 0.040" [1 mm] thickness). The fixture is semi-recessed through a 9.25" (235 mm) +/- 1/16" (2 mm) diameter hole in the canopy. The lens frame is below the canopy with the balance of housing and ballast above the canopy. The fixture housing includes a 2.0" (61 cm) weather resistant flexible power conduit for easy attachment to the remote ballast compartment. Ballast compartment is secured to the canopy ribs of the canopy deck with #14 Tek-screws (by others). Optical compartment has die-cast lens frame that hinges open, tools free, for easy cleaning or relamping. Patterned flat tempered glass lens is silicone sealed to the lens frame.

Electrical

Fixture includes clear, mogul-base lamp; 150W - 400W PSMH and 400W MH utilize the ED28 envelope lamp. Pulse-rated porcelain enclosed, screw-shell-type lampholder with spring-loaded center contact and lamp grips. Minimum 90°C temperature supply wire required. Lamp ignitor included. Ballast assemblies are high-power factor and consist of the following circuit types: HX — High Reactance; 150W PSMH; CWA — Constant Wattage Autotransformer; 250 - 400W PSMH; 175 - 400W MH and 250 HPS.

Finish
 Exclusive Colorfast Delugaard™ finish features an E-coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. The finish is covered by our 7 year limited warranty.

Labels
 ANST lamp wattage label supplied, visible during relamping. UL Listed in US and Canada for wet locations and enclosure classified IP66 (luminaires only) per IEC 529 and IEC 598.

Patents
 US 5,927,843; Other patents pending

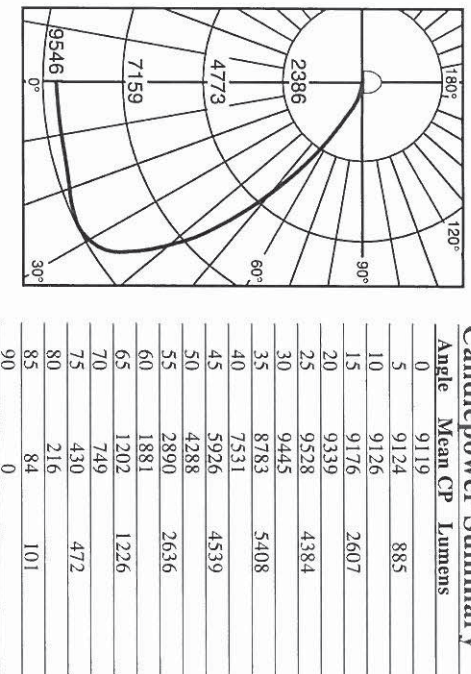
BCP-CON-V-L4-RM Global Constellation Petroleum Canopy w/ Recessed Mount

Patterned Flat Lens



Pulse Start Metal Halide
 Lamp: 320 Watt (Clear) – 34,000 lumens
 Lens: Flat Patterned Glass
 Test Distance: 30' (10 m)
 Certified Test Report: Lighting Sciences Inc. No. LSI114286

Candlepower Summary



Zonal Lumens and Percentages

Zone	Lumens	% Lamp	% Fixture
0-30	7875	23.16	35.38
0-40	13284	39.07	59.68
0-60	20459	60.17	91.92
0-90	22258	65.47	100.00
40-90	8974	26.39	40.32
60-90	1799	5.29	8.08
90-180	0	0.00	0.00
0-180	22258	65.47	100.00

Quick Fixture Spacing Table (based on patterned lens)

Spacing	Average Initial Horizontal ft at Grade	Uniformity (Max:Min)	Average Initial Vertical ft at Pump Face	Uniformity (Max:Min)
12' x 12'	85.84	2.45	42.35	1.97
10' x 15'	91.89	2.90	49.21	1.59
12' x 15'	86.06	2.44	42.24	1.40
15' x 15'	62.59	2.77	37.73	2.11

Lamp Lumen Correction Factors

Lamp Wattage	Initial Lumens	Multiplier	Beta Lamp Catalog #
200 U	21000	0.62	L-620
250 HBU	26300	0.77	L-625 HBU
320 PSBU	34000	1.00	L-632 PSBU
350 P/U	38000	1.12	L-632 P
400 PHBU	44000	1.29	L-640 PHBU



Lighting®

Beta Lighting Inc. • 1200 92nd Street • Sturtevant, WI 53177 • 800-236-6800 • www.beta-lighting.com

11/01/07

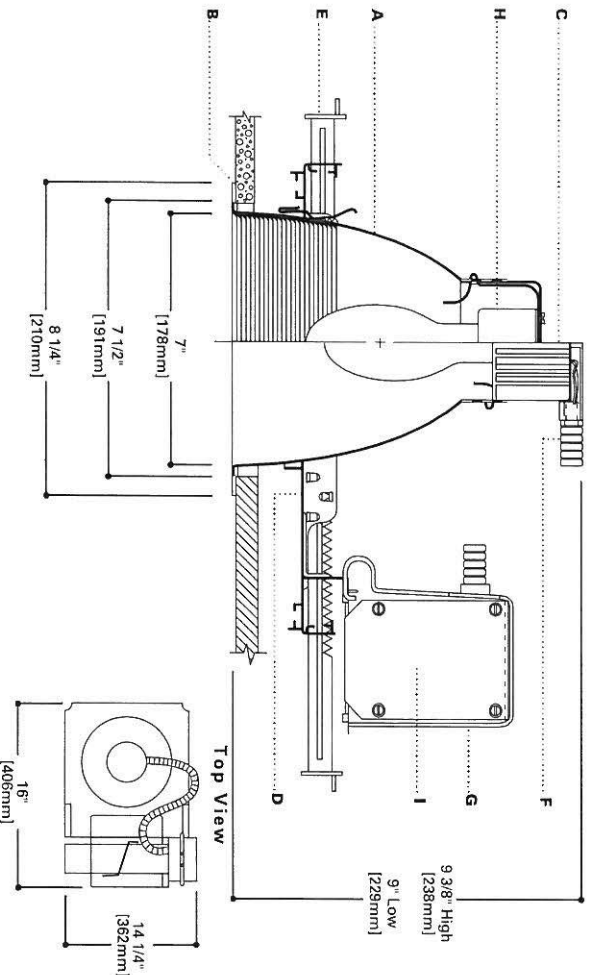
Catalog #	<i>M700T-70-1700C</i>	Type	
Project	<i>Stop-W-Lo</i>		
Comments			<i>D</i>
Prepared by	<i>MB</i>	Date	

DESCRIPTION

A low brightness 7" aperture recessed downlight for use with HPS lamps. Alzak® specular reflector or black Collex Baffle minimizes aperture brightness and provides a 45° visual cutoff to lamp. Socket cap adjust for high or low settings, providing normal or wide distribution. Suitable for downlighting where a smooth pattern of light is desired—public areas, lobbies, stores and reception areas. Visually, this luminaire provides a uniform beam with a smooth edge.

SPECIFICATION FEATURES

- A...Reflector**
Specular clear or gold Alzak® reflector, .040 spun aluminum. Baffle is seamless black Baffle.
- B...Trim Ring**
High impact polymer with satin white finish.
- C...Socket Cap**
Heat dissipating die-cast .080 aluminum. Adjusts and locks without tools for normal and wide beam distributions.
- D...Plaster Frame**
Precision die stamped steel frame. Bar Hanger brackets on four sides. Trim supports adjust to accommodate ceiling materials up to 1 1/2" thick.
- E...Bar Hangers**
Two piece bar hangers accommodate joist spacing up to 24". Bar hangers can be repositioned 90° to simplify clearance for wiring.
- F...Conduit Fittings**
Die-cast screw tight connectors.
- G...Junction Box**
U.L. listed for four in, four out #12 at 75°C pull through branch wiring. Positioned on ballast mounting bracket to allow straight conduit runs. Knockouts for eight 1/2" and one 3/4" conduits. Access to junction box by removing reflector.
- H...Socket**
Medium base porcelain socket with nickel plated screw shell (shipped with ballast).
- I...Ballast**
Quick mount plug-in ballast with dual tap for 120/277V. Ballast secures to mounting frame with spring lock.



M700T-610S
M700T-620S
M700T-630S
M700T-638S
M700T-640S
M700T-648S



3 5 W
5 0 W
7 0 W
1 0 0 W
HPS

7" DOWNLIGHT REFLECTOR OR BAFFLE

ENERGY DATA

100 W HPS
Input Watts: 125
Operating / Starting Current
120V= 1.10 / 1.50 to 2.10
277V= 0.70 to 1.00
Nominal Open Circuit Voltage= 120 to 130

ORDERING INFORMATION

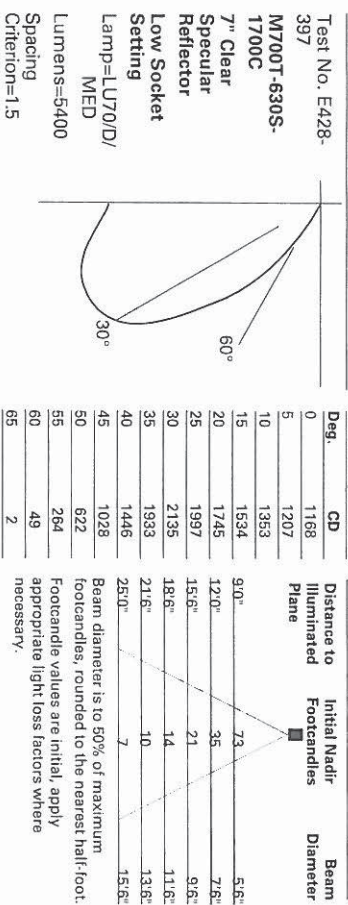
SAMPLE NUMBER: M700T 610S 1700C
Complete unit consists of housing, ballast and trim.

Housing	Ballast	Options	Trims	Accessories (Order Separately)
M700T	70		1700C	
M700T	610S=35W HPS (120V) 620S=50W HPS (120/277V) 630S=70W HPS (120/277V) 638S=70W HPS (120/347V) 640S=100W HPS (120/277V) 648S=100W HPS (120/347V)	F=Fuse O=Quartz Standby Light (100W max.)	Specular Reflector 1700C=Clear 1700G=Gold Baffle 1700BA=Black Collex	1 1/2" C Channel Bar Hangers HB28=28" Long HB50=50" Long

NOTES: Accessories should be ordered separately. For additional options please consult your Cooper Lighting Representative. Alzak® is a registered trademark of Aluminum Company of America

PHOTOMETRICS

Candlepower Distribution

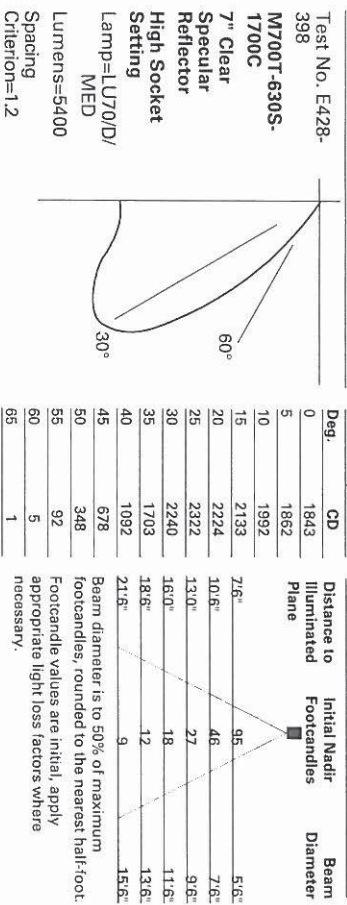


Test No. E428-397
M700T-630S-1700C
7" Clear Specular Reflector
Low Socket Setting
Lamp=LU70/D/ MED
Lumens=5400
Spacing
Criterion=1.5
Efficiency=68.6%

Candlepower					Cone of Light				
Deg.	CD	Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter	Initial Nadir Footcandles	Beam Diameter	Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
0	1168								
5	1207								
10	1353								
15	1534		7.3	5.6'					
20	1745		3.5	7.6'					
25	1997		2.1	9.6'					
30	2135		1.8	11.6'					
35	1933		1.0	13.6'					
40	1446		7	15.6'					
45	1028								
50	622								
55	264								
60	49								
65	2								

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
Footcandle values are initial, apply appropriate light loss factors where necessary.

Candlepower Distribution



Test No. E428-398
M700T-630S-1700C
7" Clear Specular Reflector
High Socket Setting
Lamp=LU70/D/ MED
Lumens=5400
Spacing
Criterion=1.2
Efficiency=65.5%

Candlepower					Cone of Light				
Deg.	CD	Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter	Initial Nadir Footcandles	Beam Diameter	Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
0	1843								
5	1882								
10	1992								
15	2133		9.5	5.6'					
20	2224		4.6	7.6'					
25	2322		2.7	9.6'					
30	2240		1.8	11.6'					
35	1703		1.2	13.6'					
40	1092		9	15.6'					
45	678								
50	348								
55	92								
60	5								
65	1								

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
Footcandle values are initial, apply appropriate light loss factors where necessary.

Coefficient of Utilization

rc	80%			70%			50%		
	rw	50	30	50	30	50	30	50	30
0	82	82	80	80	80	76	76	76	76
1	75	73	73	71	71	70	70	69	69
2	68	65	67	64	64	64	62	62	62
3	62	57	61	57	59	55	55	55	55
4	56	51	55	51	54	50	50	50	50
5	51	46	50	46	49	45	45	45	45
6	47	41	46	41	45	40	40	40	40
7	43	37	42	37	41	37	37	37	37
8	39	34	39	34	38	33	33	33	33
9	36	31	35	31	35	30	30	30	30
10	33	28	33	28	32	28	28	28	28

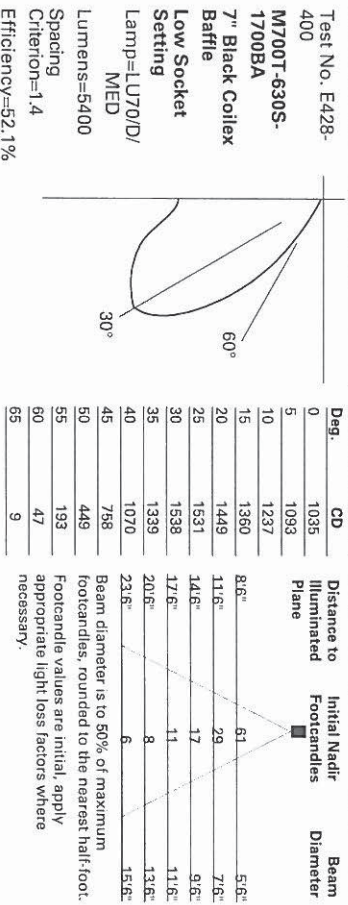
rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio. CU Data Based on 20% Effective Floor Cavity Reflectance.

Coefficient of Utilization

rc	80%			70%			50%		
	rw	50	30	50	30	50	30	50	30
0	78	78	76	76	76	73	73	73	73
1	72	70	70	69	68	66	66	66	66
2	65	63	65	62	63	60	60	60	60
3	61	57	60	56	58	55	55	55	55
4	56	52	55	51	53	50	50	50	50
5	51	47	51	47	49	46	46	46	46
6	47	43	47	43	46	42	42	42	42
7	44	39	43	39	42	39	39	39	39
8	41	36	40	36	39	35	35	35	35
9	38	33	37	33	37	33	33	33	33
10	35	31	35	31	34	30	30	30	30

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio. CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution

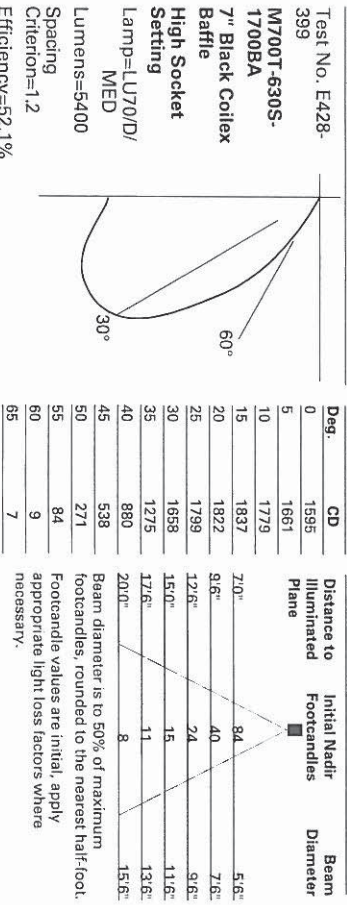


Test No. E428-400
M700T-630S-1700BA
7" Black Collex Baffle
Low Socket Setting
Lamp=LU70/D/ MED
Lumens=5400
Spacing
Criterion=1.4
Efficiency=52.1%

Candlepower					Cone of Light				
Deg.	CD	Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter	Initial Nadir Footcandles	Beam Diameter	Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
0	1035								
5	1093								
10	1237								
15	1360		6.1	5.6'					
20	1449		2.9	7.6'					
25	1531		1.7	9.6'					
30	1538		1.1	11.6'					
35	1339		8	13.6'					
40	1070		6	15.6'					
45	758								
50	449								
55	193								
60	47								
65	9								

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
Footcandle values are initial, apply appropriate light loss factors where necessary.

Candlepower Distribution



Test No. E428-399
M700T-630S-1700BA
7" Black Collex Baffle
High Socket Setting
Lamp=LU70/D/ MED
Lumens=5400
Spacing
Criterion=1.2
Efficiency=52.1%

Candlepower					Cone of Light				
Deg.	CD	Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter	Initial Nadir Footcandles	Beam Diameter	Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
0	1595								
5	1661								
10	1779								
15	1837		8.4	5.6'					
20	1822		4.0	7.6'					
25	1799		2.4	9.6'					
30	1658		1.5	11.6'					
35	1275		1.1	13.6'					
40	880		8	15.6'					
45	538								
50	271								
55	84								
60	9								
65	7								

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
Footcandle values are initial, apply appropriate light loss factors where necessary.

Note: Specifications and Dimensions subject to change without notice.

Visit our web site at www.cooperlighting.com