

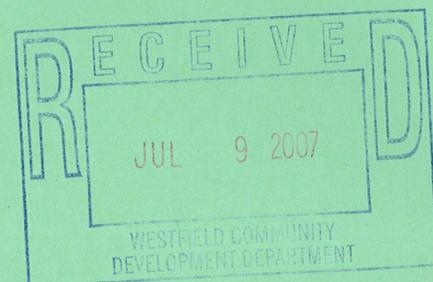
**THE NATIONAL BANK  
OF  
INDIANAPOLIS**

**COOL CREEK VILLAGE**

**2714 EAST 146<sup>TH</sup> STREET  
CARMEL, INDIANA 46033**

**DEVELOPMENT PLAN  
ARCHITECTURAL DESIGN, LIGHTING AND SIGNAGE**

09 JUL 07



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## **SECTION 1**

# **PROJECT DESCRIPTION**

# Project Description

## The National Bank of Indianapolis at Cool Creek

This project involves the construction of a new upscale retail branch bank to be located on the western out lot of the Cool Creek Village retail development. The development plan for the bank works well and is consistent with the plan that has already been submitted for Cool Creek Village, an integrated center that allows for ease of traffic movement among and between the various tenants and outlets.

Access to the bank and the overall site is via private entrance drives off of the public thoroughfare (146<sup>th</sup> Street): one on the east side of the center and one on the west side adjacent to the bank site. The overall center development plan included a median with a cut in the west entrance drive. The approved plans that include the median cut are dated April 25, 2007. This median cut is crucial for easy customer access into and out of the bank parcel, a key factor to attracting new banking business. Other internal access points to the bank from the rest of the center are also provided.

There is no opportunity for development to the site west of this parcel due to the presence of Cool Creek and associated floodplain. Therefore, there will be no reason for (north-bound) traffic to stack at this Cool Creek Village entrance waiting to make a left turn (west), eliminating any concern that traffic may back up onto 146<sup>th</sup> street.

Traffic exiting the bank from the west access point (opposite the median cut) will queue on the bank site itself and not on a public thoroughfare. Appropriate traffic control signage can be established on the bank site to direct traffic: 1) to not block the intersection; or 2) to the other exit points.

Being an upscale banking facility, the drive-through traffic is significantly less than a typical retail bank. Ample vehicular stacking for the drive-through, which is located on the north side of the building, is accommodated along the eastern side of the building, so it poses no additional traffic issues. A second ingress/egress point, located in the northwest corner of the bank site, is convenient and proximate to where traffic will exit from the drive-through.

Due to the limited size of the Cool Creek Village development, it is anticipated that the total traffic load should be easily accommodated without further restrictions.

The architectural style of the building is consistent with all of the freestanding branches for The National Bank of Indianapolis, two of which have most recently been built at 106th and Michigan Road in Carmel's overlay zone and one at State Route 135 and Smith Valley Road in Greenwood, Indiana.

The building is an architecturally pleasing one story structure, less than 35' in height and approximately 4,000 gsf, with one drive-up window and ATM and two remote pneumatic tellers. The building is a traditional style, with a façade constructed of a square reddish-brown brick base and limestone colored EIFS, with a limestone quoins flanking the main entrance. The EIFS, or (external insulation and finish system) is textured and scored to simulate real limestone panels on the entire exterior of the building. The overall effect makes the building look like a limestone building. The storefront windows, canopy and entry are gold anodized aluminum and the windows have green marble accent panels. There are exterior sconce lights at the entry and traditional bollard lighting around the front entry sidewalk.

There will be no exposed mechanical (HVAC) equipment on the site and the bank does not require a dumpster.

The site will be landscaped in accordance with bank standards and Westfield requirements.

The building signage consists of individually backlit letters of the same gold anodized color and will be located on the west, south and east upper faces of the building and will total below the allowable limit (with allotment bonuses) for the frontage of this parcel. There will also be a landscaped monument sign located southeast of the building, with the bank's name and logo on two sides. There will also be bank directional signage located on the site, in accordance with local requirements. The bank typically installs traditional style bollard lighting within their out lot, along with larger scale parking lot lighting which will match the lights already proposed for the development.

**SECTION 2**  
**DEVELOPMENT PLAN**

**PROPOSED SITE LEGEND**

- [Symbol] LIGHT DUTY PAVEMENT
- [Symbol] HEAVY DUTY PAVEMENT
- [Symbol] RIGHT OF WAY PAVEMENT
- [Symbol] CONCRETE
- [Symbol] SIDEWALK
- [Symbol] TYPE "X" MODIFIED ADA RAMP
- [Symbol] CONCRETE CURB AND GUTTER TYPE III
- [Symbol] CONCRETE PARKING BARRIER
- [Symbol] ADA PARKING SIGN
- [Symbol] STOP SIGN
- [Symbol] 4" SOLID WHITE, PAINT LINE
- [Symbol] 4" DASHED WHITE, PAINT LINE
- [Symbol] CONCRETE CURB AND GUTTER TYPE II
- [Symbol] 6" CONCRETE CURB
- [Symbol] SIDEWALK SCORING (SEE DETAIL)
- [Symbol] HANDICAP ACCESSIBLE PARKING SPACE

**EXISTING LEGEND**

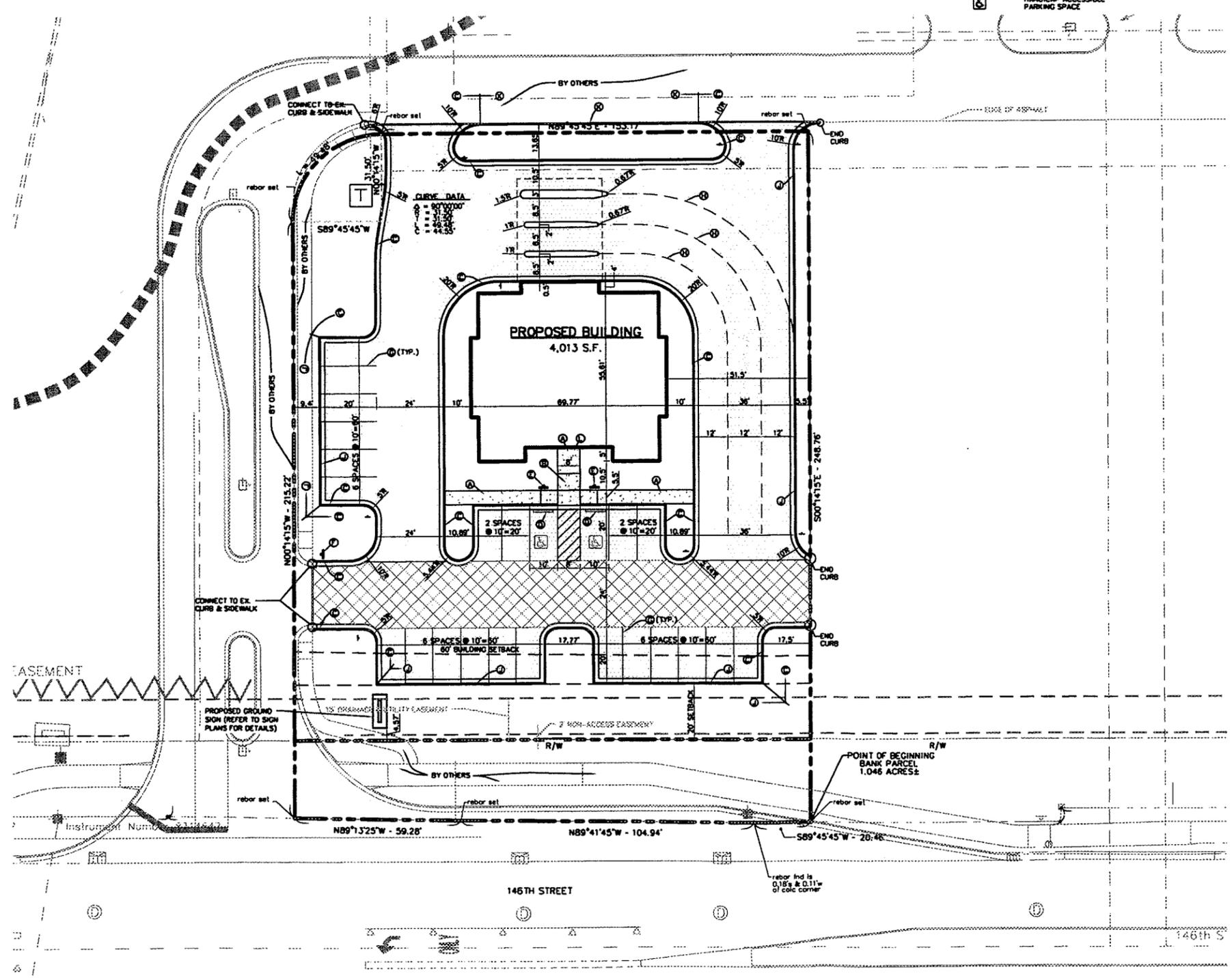
- [Symbol] MANHOLE
- [Symbol] FIRE HYDRANT
- [Symbol] TREE
- [Symbol] REBAR FOUND
- [Symbol] DRAINAGE MANHOLE
- [Symbol] GUY WIRE
- [Symbol] POWER POLE
- [Symbol] ELECTRIC METER BOX
- [Symbol] SANITARY MANHOLE
- [Symbol] STAND PIPE
- [Symbol] COMBINATION POLE
- [Symbol] PINE
- [Symbol] RIGHT OF WAY MONUMENT
- [Symbol] WATER VALVE
- [Symbol] POST
- [Symbol] CLEAN OUT
- [Symbol] AIR CONDITIONER
- [Symbol] TELEPHONE CROSS BOX
- [Symbol] GAS METER
- [Symbol] WATER METER
- [Symbol] SIGN
- [Symbol] MAILBOX
- [Symbol] BEEHIVE INLET
- [Symbol] TELEPHONE PEDESTAL
- [Symbol] BENCH MARK
- [Symbol] CURB INLET
- [Symbol] GROUND LIGHT
- [Symbol] GAS VALVE
- [Symbol] TV PEDESTAL
- [Symbol] TELEPHONE MANHOLE
- [Symbol] POLE
- [Symbol] MAG NAIL SET
- [Symbol] VENT
- [Symbol] YARD LIGHT
- [Symbol] BRACE POLE
- [Symbol] METAL END SECTION
- [Symbol] LIGHT POLE
- [Symbol] DETECTOR HOUSING
- [Symbol] TRANSFORMER
- [Symbol] TRAFFIC MANHOLE
- [Symbol] TRAFFIC POLE
- [Symbol] WELL
- [Symbol] INLET
- [Symbol] ELECTRIC PEDESTAL
- [Symbol] BUSH
- [Symbol] ELECTRIC HANDHOLE
- [Symbol] TELEPHONE POLE
- [Symbol] WATER MANHOLE
- [Symbol] SPRINKLER CONTROL VALVE



PARKING ANALYSIS	
BANK	
REQUIRED PARKING 1/300 SF	14
HANDICAP PARKING PROVIDED	2
STANDARD PARKING - 10'X20'	22
	24

**SITE NOTES**

1. ALL WORK TO CONFORM TO STATE AND LOCAL REGULATIONS.
2. ALL PARKING STRIPES ARE TO BE 4" PAINTED (WHITE). HANDICAPPED ACCESS SPACES SHALL BE 4" PAINTED (BLUE).
3. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT OR FACE OF CURB, UNLESS NOTED OTHERWISE.
4. ALL DIMENSIONS ARE TO FACE OF BRICK OR FACING MATERIAL, WHERE APPLICABLE.
5. ALL DIMENSIONS ARE PARALLEL WITH, OR PERPENDICULAR TO BASE LINES, PROPERTY LINES OR BUILDING LINES UNLESS NOTED OTHERWISE.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
7. PROVIDE SMOOTH TRANSITIONS FROM NEW AREAS TO EXISTING FEATURES AS NECESSARY.
8. ALL EXCAVATED AREAS SHALL BE SEEDED AFTER FINISH GRADING UNLESS OTHERWISE NOTED. ALL NEW SEEDED AREAS SHALL HAVE A MINIMUM OF 4" OF TOP SOIL.
9. RESURFACE OR RECONSTRUCT AT LEAST TO ORIGINAL CONDITIONS ALL AREAS WHERE THE EXISTING PAVEMENT OR LAWNS ARE DAMAGED DURING CONSTRUCTION FROM TRAFFIC BY CONTRACTORS, SUBCONTRACTORS OR SUPPLIERS AFTER CONSTRUCTION WORK IS COMPLETE.
10. THE EDGE OF EXISTING ASPHALT PAVEMENT SHALL BE PROPERLY SEALED WITH A TACK COAT MATERIAL IN ALL AREAS WHERE NEW ASPHALT PAVEMENT IS INDICATED TO JOIN EXISTING ASPHALT.
11. ALL UTILITY TRENCHES WITHIN 5 FEET OF PAVEMENT SHALL BE COMPLETELY BACKFILLED WITH GRANULAR MATERIAL.
12. ALL ASPHALT TO BE IN ACCORDANCE WITH I.L.D.O.T. STANDARD SPECIFICATIONS RELATIVE TO MATERIAL, MIX, PLACEMENT AND WORKMANSHIP.
13. CHAMFER ENDS OF ALL CURBS.
14. SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
15. ALL SIDEWALKS SHALL COMPLY WITH A.D.A. STANDARDS, MAX. CROSS SLOPE OF 1/4" FT. & MAX. SLOPE OF 1:20.
16. EXISTING PAVEMENT TO BE SAWCUT IN ALL AREAS WHERE INDICATED NEW PAVEMENT TO JOIN EXISTING.
17. THE CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION.



NOTE: DECORATIVE SIGNS, SPRINKLER SYSTEMS, TREES, LANDSCAPING MONUMENTS, FENCES, LIGHT POLES OR OTHER SUCH AMENITIES ARE NOT PERMITTED IN THE RIGHT-OF-WAY.

NOTE: ALL SIGNS SHOWN TO BE BY SIGN CONTRACTOR AND INSTALLED PER SIGNAGE PLAN. SIGNS SHOWN HERE ARE FOR REFERENCE ONLY.

**CAUTION !!**  
 THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE (including, but not limited to, manholes, labels, valves, and marks made upon the ground by others) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.  
 1-800-382-5544  
 CALL TOLL FREE  
 - INDIANA UNDERGROUND -

7260 SHADELAND STATION  
 INDIANAPOLIS, IN 46256-3857  
 TEL: 317.547.5500 FAX: 317.545.0270  
 www.structurepoint.com

AMERICAN  
**STRUCTUREPOINT**  
 INC.

CERTIFIED BY

PREPARED FOR  
**BRENNER DESIGN**  
 105 EAST MARKET STREET  
 INDIANAPOLIS, INDIANA 46204

PROJECT  
**NATIONAL BANK OF INDIANAPOLIS AT COOL CREEK**  
 146TH STREET & COOL CREEK  
 INDIANAPOLIS, INDIANA

DATE: 06/04/07  
 DRAWN BY: JMS  
 CK'D BY: WAB  
 JOB NO.: IN2007.0667

REVISIONS	

SHEET NO.  
**C2.1**  
 OF

NOT SCALE 1:1  
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 PLOT SCALE: 1:1



**SECTION 3**

**FLOOR PLAN**

## WALL TYPE SCHEDULE

TAG	STUD SIZE	STUD GAUGE	STUD O.C.	WALL HEIGHT	GYPSUM THICKNESS	GYPSUM LAYERS	FIRE RATING	CAVITY BATT INSULATION	TOP FINISH - EA. SIDE OF WALL	REMARKS
A1	2-1/2"	22	16"	PARTIAL PGF	5/8"	1 SA 5/02	N/A			
A2	2-1/2"	22	16"	UNDRSDBE CUG	5/8"	1 SA 5/02	N/A			
A3	2-1/2"	22	16"	C' ABOVE CUG	5/8"	1 SA 5/02	N/A			
A4	2-1/2"	22	16"	STCK	5/8"	1 SA 5/02	N/A			
B1	3-5/8"	22	16"	PARTIAL PGF	5/8"	1 SA 5/02	N/A			
B2	3-5/8"	22	16"	UNDRSDBE CUG	5/8"	1 SA 5/02	N/A	3-1/2"	2'-0"	
B3	3-5/8"	22	16"	C' ABOVE CUG	5/8"	1 SA 5/02	N/A	3-1/2"	2'-0"	
B4	3-5/8"	22	16"	STCK	5/8"	1 SA 5/02	N/A	3-1/2"	2'-0"	
C1	4"	22	16"	PARTIAL PGF	5/8"	1 SA 5/02	N/A			
C2	4"	22	16"	UNDRSDBE CUG	5/8"	1 SA 5/02	N/A			
C3	4"	22	16"	C' ABOVE CUG	5/8"	1 SA 5/02	N/A			
C4	4"	22	16"	STCK	5/8"	1 SA 5/02	N/A			
D1	7/8"	22	16"	UNDRSDBE CUG	5/8"	1 5/8" CMC	N/A			

## FLOOR PLAN NOTES

ALL EXISTING FLOORS AND WALLS SHALL BE LEVELED AND/OR PATCHED AS REQUIRED TO RECEIVE NEW CONSTRUCTION AND FINISHES.

ALL AREAS EFFECTED BY DEMOLITION SHALL BE PATCHED AND PREPARED TO MATCH ADJACENT SURFACES AND TO RECEIVE NEW FINISHES.

WHERE STRUCTURAL BEAMS, DUCTWORK, ETC., PENETRATE RATED PARTITIONS, GYPSUM WALL BOARD SHALL BE SCRIBED TO FIT TIGHT AND CAULKED TO MAINTAIN THE REQUIRED RATING OF THE ASSEMBLY.

CONTRACTOR SHALL ALLOW FOR UNEVEN FLOOR CONDITIONS. ADJUST DOORS AND FRAMES AS REQUIRED.

ALL CAULKING SHALL BE COORDINATED BY THE GENERAL CONTRACTOR. ITEMS THAT ADJUT TO WALLS SHALL HAVE FINISH CAULK, AND SHALL INCLUDE BUT NOT LIMITED TO DOOR FRAMES, TOILETS, SINKS & CASEWORK. CAULK COLOR SHALL MATCH ADJACENT WALL COLOR UNLESS SPECIFIED OTHERWISE. SUBMIT COLOR SAMPLES FOR APPROVAL BY ARCHITECT.

GENERAL CONTRACTOR SHALL PROVIDE ALL NECESSARY BLOCKING (FIRE RATED AS REQ'D) CONCEALED WITHIN THE WALL AS REQUIRED FOR ANY AND ALL ITEMS THAT MUST BE SECURED TO THE WALL.

ALL DIMENSIONS ARE FINISH FACE TO FINISH FACE, UNO.

ALL CLOSETS SHALL BE 2'-0" DEEP INTERIOR FINISHED DIMENSION, UNO.

INSTALL ALL DOOR ROUGH OPENINGS 4" FROM ADJACENT WALL, UNO.

GENERAL CONTRACTOR SHALL COORDINATE WITH FLOORING SUBCONTRACTOR TO INSTALL WALL BASE AT CASEWORK LOCATIONS AFTER CASEWORK HAS BEEN INSTALLED.

ALL RESTROOM WALLS, CEILING AND WALLS W/ PLUMBING FIXTURES SHALL HAVE CEMENTITIOUS BOARD ON THE WET SIDES!

- PROVIDE 4x8' PLYWOOD BACKBOARD FOR TELEPHONE PANEL, UNO.
- PROVIDE 1/4" WATERLINE FOR ICEMAKER IN REF. & ICE MACHINE.
- GYPSUM BOARD BULKHEAD ABOVE REFER SHEET TO 12.1.
- INSTALL ADDITIONAL LAYER OF 5/8" GYP.BRD. PER ELEVATION 1/13.1.

## CASEWORK LEGEND

- CA-1 GALLEY CABINETS - REFER TO 1/16.2
- CA-2 DRIVE UP WINDOW STORAGE - REFER TO 3/16.2
- CA-3 DRIVE UP WINDOW DESK/STORAGE - REFER TO 1/16.2
- CA-4 BREAKROOM CABINETS - REFER TO 5/16.2
- CA-5 L-SHAPED SHELVING 12'D x 3/4" ADJ. SHELVES, QTY 6; FINISH SHALL BE WHITE MELAMINE, K/V HEAVY DUTY STANDARDS.
- CA-6 RESTROOM VANITIES AND WALL CABINET - REFER TO 10/16.2
- CA-7 RESTROOM VANITY - REFER TO 12/16.2
- CA-8 COAT HOOK / SHELF PL-5 74 3/8"W x 12'D x 3/4", W/ ADJ. SHELVES ABOVE, FINISH SHALL BE WHITE MELAMINE, K/V HEAVY DUTY STANDARDS. REFER TO 9/16.2
- CA-9 ATM CABINETS - REFER TO 15/16.2
- CA-10 SHELVING 99"W x 24"D x 3/4" ADJ. SHELVES, QTY 6; FINISH SHALL BE WHITE MELAMINE, K/V HEAVY DUTY STANDARDS.
- CA-11 COUNTERTOP 24'D x 48"W, 1 1/2" EDGE COUNTERTOP PL-2, 4" BACK AND SIDE SPLASH, MOUNT @ 31 1/2" A.F.F.

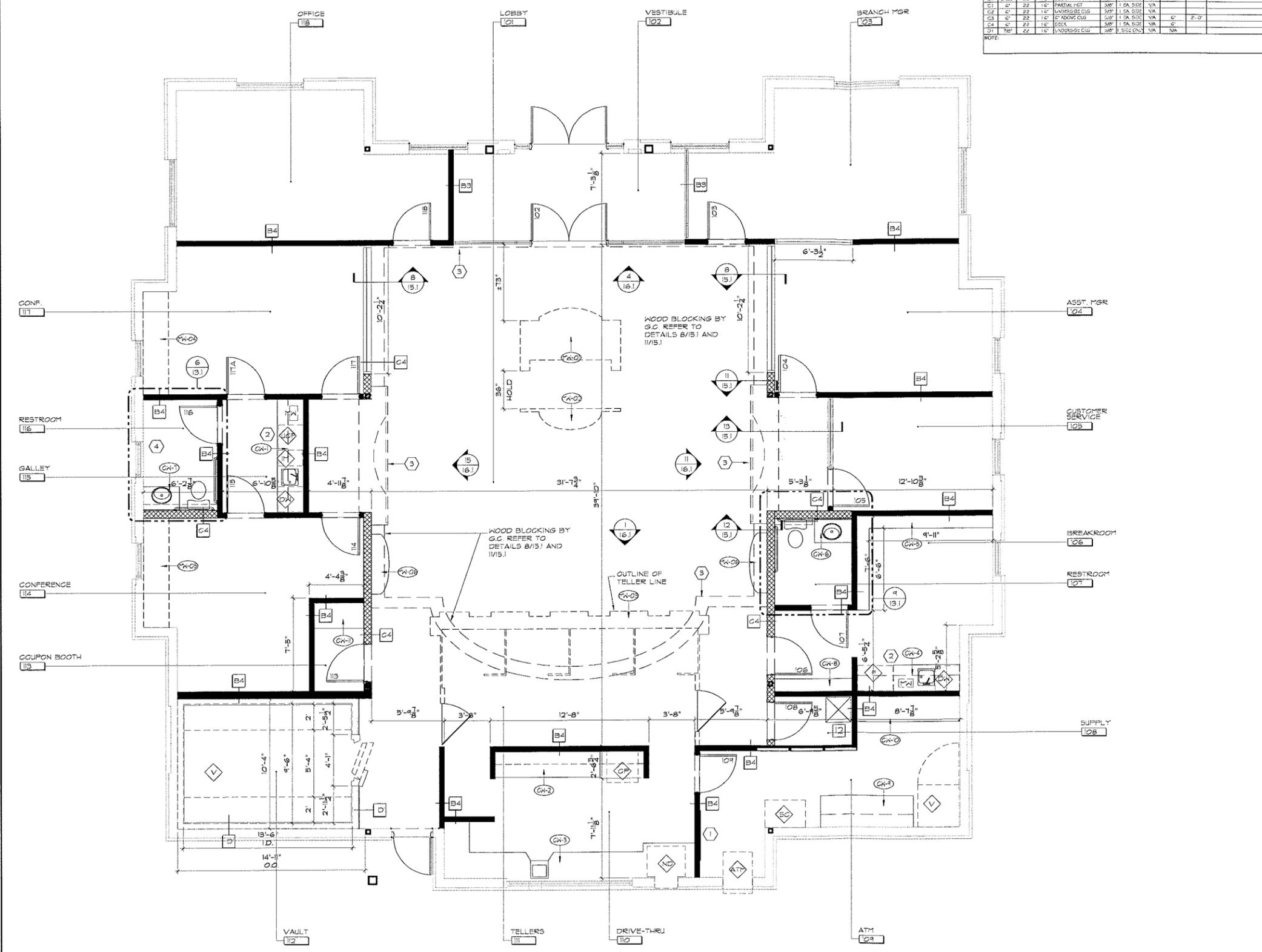
## MILLWORK LEGEND

- (ALL CUSTOM MILLWORK IS FURNISHED BY OTHERS)
- MA-0 RECEPTION DESK N.I.C.
  - MA-1 RECEPTION CREDENZA N.I.C.
  - MA-2 TELLER N.I.C.
  - MA-3 LIBRARY CREDENZA N.I.C.
  - MA-4 CONFERENCE ROOM CREDENZA N.I.C.
  - MA-5 CHECK WRITING DESK (2 EA) N.I.C.

## FLOOR LEGEND

- NEW PARTITION TO DECK OR STRUCTURAL BEAM (C4)
- NEW PARTITION TO BOTTOM CHORD OF JOIST (C4)
- NEW PARTITION TO BOTTOM CHORD OF JOIST (B4)
- HEADER & FRAMED OPENING
- NEW WINDOW

- ROOM NAME # NUMBER
- NEW DOOR # NUMBER
  - PLAN NOTE
  - WALL TYPE TAG, SEE SCHEDULE FOR DESCRIPTION
  - CASEWORK TAG - REFER TO DETAIL AS NOTED FOR ELEVATION
  - MILLWORK TAG - REFER TO DETAIL AS NOTED FOR ELEVATION
  - WINDOW TAG
  - EQUIPMENT TAG
  - PLUMBING TAG
  - ENLARGED PLAN & DETAIL TAG, INDICATES DRAWING # ON SHEET A11
  - ELEVATION TAG, INDICATES ELEVATION # ON SHEET A11
  - SECTION TAG, INDICATES SECTION # ON SHEET A11



## FLOOR PLAN

SCALE: 1/4"=1'-0"

SHEET NO. I.I.I

FLOOR PLAN  
NBWFOIC  
03 JUL 07

THE NATIONAL BANK OF INDIANAPOLIS  
COOL CREEK VILLAGE  
2714 E. 146TH STREET  
CARMEL, INDIANA 46033

108 East Market Street  
Indianapolis, IN 46204  
BRENNER DESIGN  
317.262.1220 tel  
317.262.1260 fax  
www.brennerdesign.com  
Interior Design

**SECTION 4**

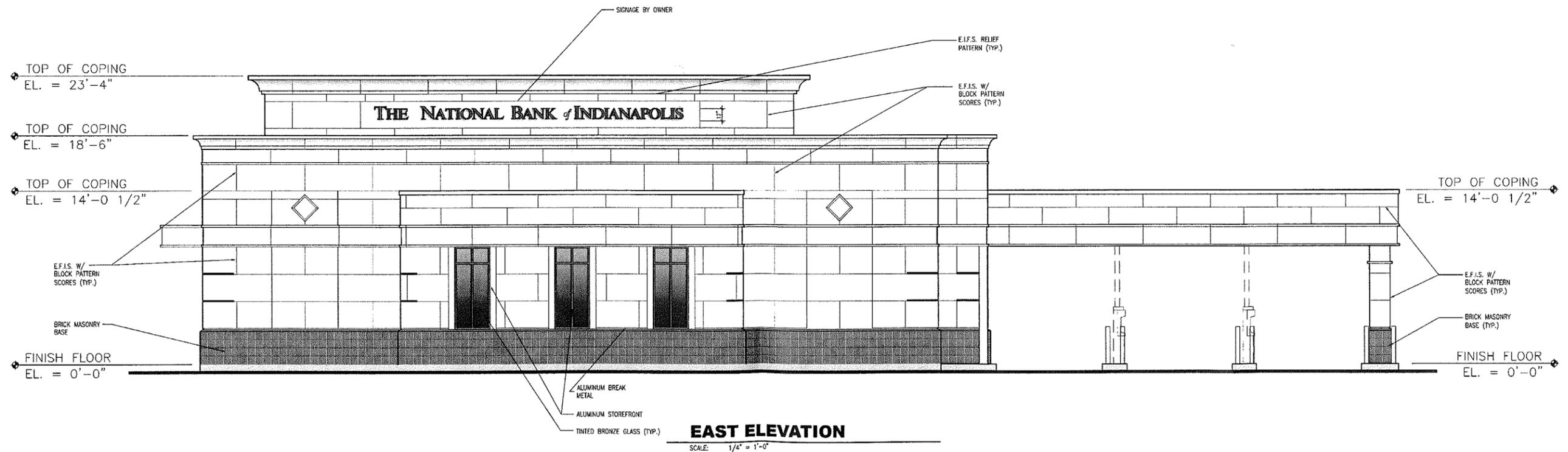
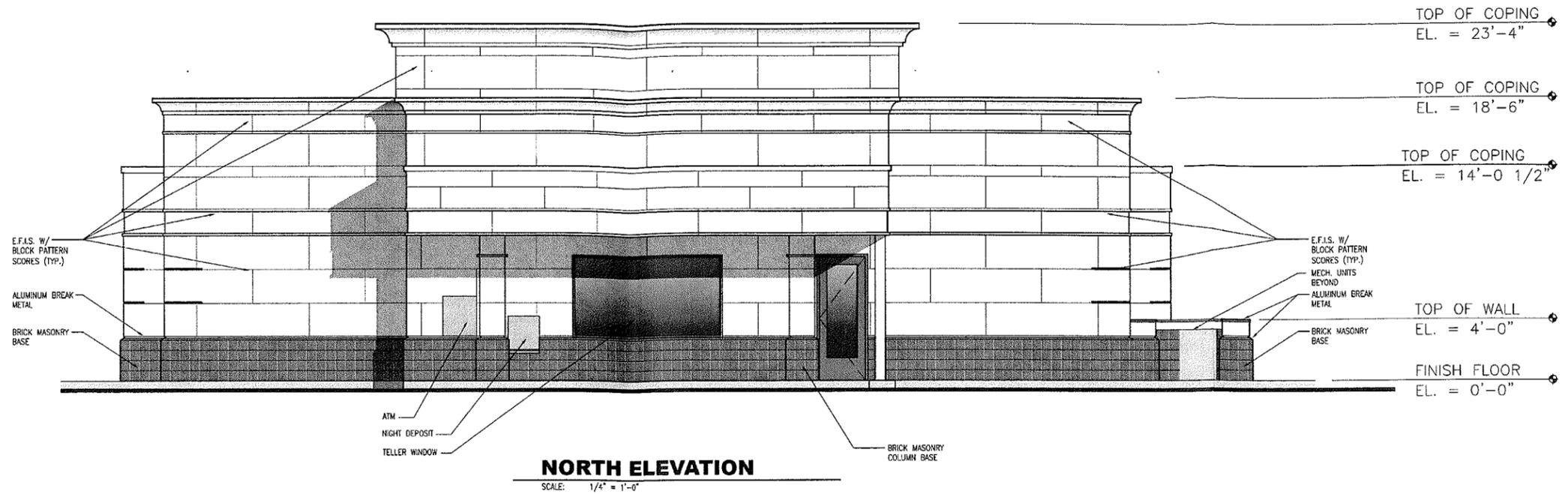
**BUILDING ELEVATIONS**



THE NATIONAL BANK of INDIANAPOLIS - RETAIL BANKING CENTER  
COOL CREEK VILLAGE  
CARMEL, INDIANA JOB NUMBER 27091 13 JUNE 2007



CSO Architects

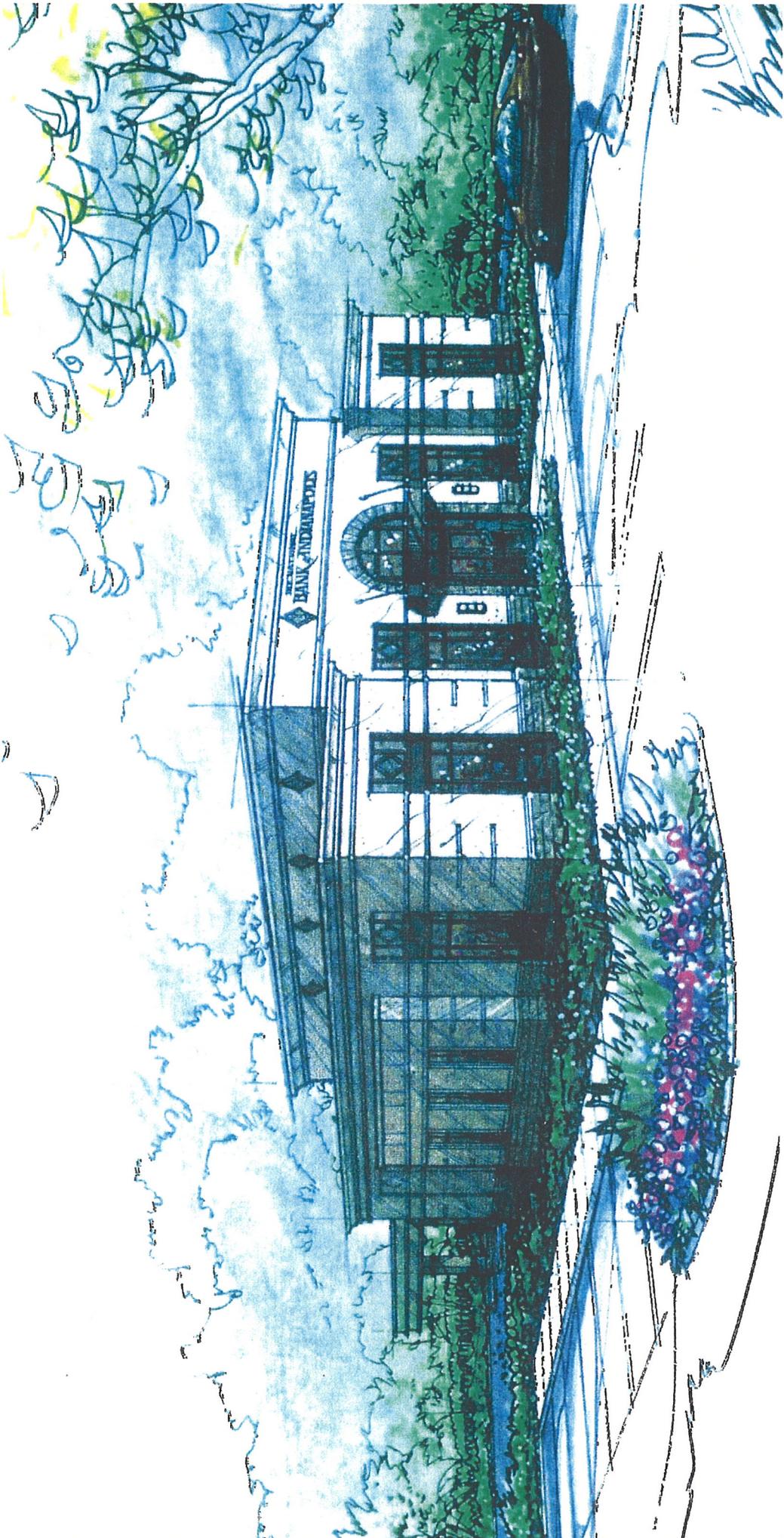


THE NATIONAL BANK of INDIANAPOLIS - RETAIL BANKING CENTER  
COOL CREEK VILLAGE  
CARMEL, INDIANA JOB NUMBER 27091 13 JUNE 2007



## SECTION 5

# PERSPECTIVE, PHOTOGRAPHS





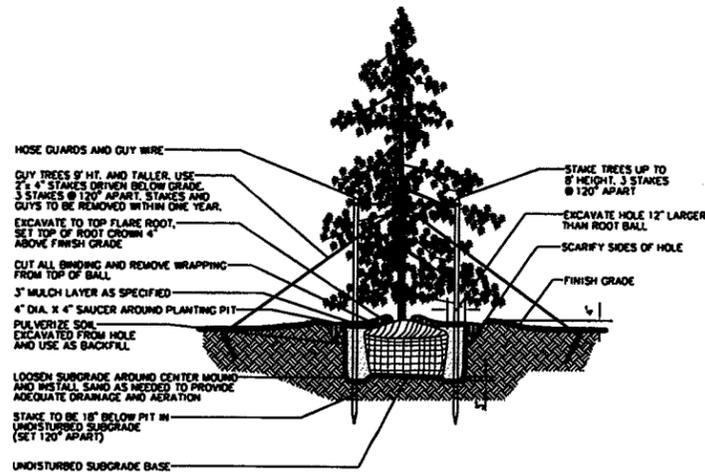
THE NATIONAL BANK & INDIANAPOLIS

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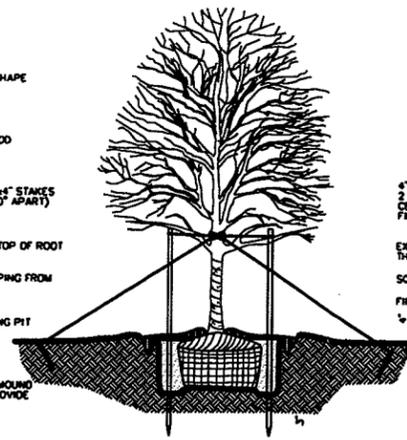
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**SECTION 6**

**LANDSCAPING PLAN  
PLANTING SCHEDULE**

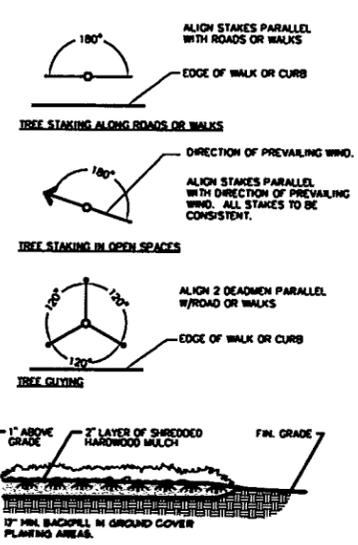


NEVER CUT LEADER, THIN UP TO 1/3 OF BRANCHES RETAINING NATURAL SHAPE OF TREE. DO NOT LEAVE STUBS  
ATTACH GUY WIRE AND HOSE ABOVE FIRST BRANCH  
STAKE TREES UNDER 5' CAL. USE WOOD STAKES 3 PER TREE @ 120°  
ALL STAKES AND GUY WIRES TO BE REMOVED WITHIN ONE YEAR.  
GUY TREES 5' CAL. & LARGER USE 2" x 4" STAKES DRIVEN BELOW GRADE, (3 STAKES 120° APART)  
ALL STAKES AND GUY WIRES TO BE REMOVED WITHIN ONE YEAR.  
EXCAVATE TO TOP FLARE ROOT, SET TOP OF ROOT CROWN 4" ABOVE FINISH GRADE  
CUT ALL BINDING AND REMOVE WRAPPING FROM TOP OF BALL  
3" MULCH LAYER AS SPECIFIED  
4" DIA. x 4" SAUCER AROUND PLANTING PIT  
PULVERIZE SOIL EXCAVATED FROM HOLE AND USE AS BACKFILL  
LOOSEN SUBGRADE AROUND CENTER MOUND AND INSTALL SAND AS NEEDED TO PROVIDE ADEQUATE DRAINAGE AND AERATION  
STAKE TO BE 18" BELOW PIT IN UNDISTURBED SUBGRADE  
UNDISTURBED SUBGRADE BASE

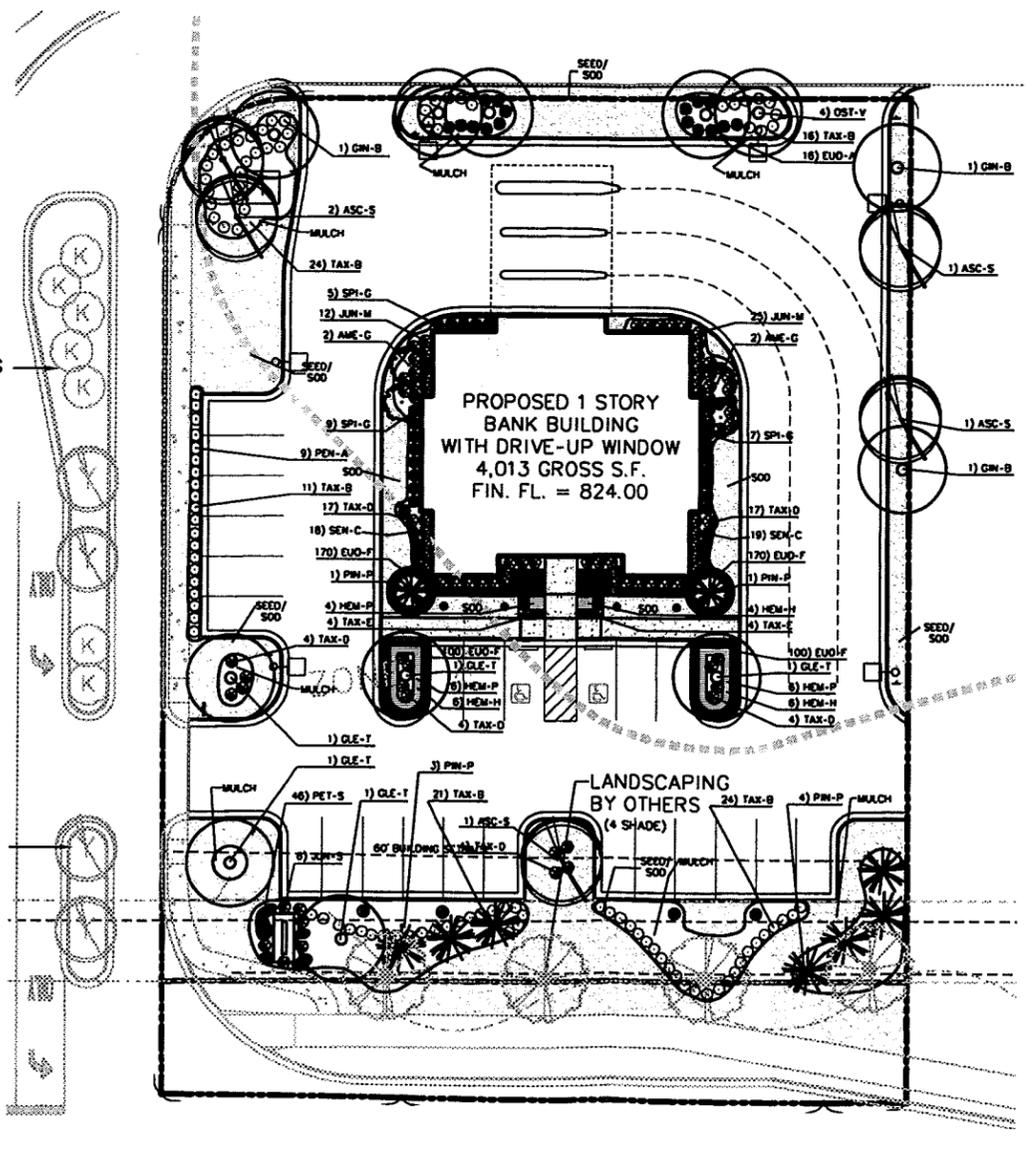


- LEGEND:**
- ORNAMENTAL TREE: AME-G
  - EVERGREEN TREE: PIN-P
  - DECIDUOUS TREE: GLE-T, ASC-S, OST-V
  - DECIDUOUS SHRUBS: SPI-G, EUO-A
  - EVERGREEN SHRUBS: TAX-D, JUN-M
  - EVERGREEN SHRUBS: TAX-B
  - ORNAMENTAL GRASSES: PEN-A
  - GROUND COVER: EUO-F
  - PERENNIAL: HEM-H, HEM-P
  - GROUND COVER: SOD OR SEED GRASS
  - ANNUALS: BY OWNER

- PLANTING NOTES:**
- A MINIMUM OF 4" OF TOPSOIL SHALL BE PLACED ON ALL AREAS SHOWN TO BE SEEDING. USE SUITABLE TOPSOIL FOR SEEDING. TOPSOIL SHALL BE FREE FROM SUBSOL, VEGETATION, WEEDS OR ANY EXTRANEOUS OR DESTRUCTIVE MATERIALS LARGER THAN 1". REMOVE ANY UNSUITABLE AND EXCESS TOPSOIL, AS DETERMINED BY SOIL ENGINEER, FROM THE SITE. FURNISH ANY ADDITIONAL TOPSOIL NEEDED AT NO ADDITIONAL COST.
  - IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE. IF IN QUESTION, CONTACT THE LANDSCAPE ARCHITECT.
  - ALL TREES SHALL HAVE A 4" DIAMETER BARK COVERED WITH A 2" TO 3" THICK LAYER OF SHREDDED HARDWOOD BARK MULCH. BARK MULCH SHALL BE APPROVED BY LANDSCAPE ARCHITECT AND SHALL BE UNIFORM IN TEXTURE AND COLOR. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED.
  - ALL PLANTING BEDS SHALL HAVE A 2" TO 3" THICK LAYER OF SHREDDED HARDWOOD BARK MULCH. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED. ALL PLANTING BEDS SHALL HAVE PRE-EMERGENT HERBICIDE APPLIED AS PER MANUFACTURER'S RECOMMENDATION.
  - FINAL PLACEMENT OF PLANT MATERIALS, ETC. SHALL BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PLANTING OPERATIONS ARE TO PROCEED. ALL TREE LOCATIONS SHALL BE MARKED WITH A WOODEN STAKE INDICATING VARIETY AND SIZE OF TREE.
  - NO SUBSTITUTIONS OF PLANT MATERIAL WILL BE ALLOWED. IF PLANTS ARE SHOWN TO BE UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT PRIOR TO BID DATE IN WRITING. ALL PLANTS SHALL BE INSPECTED AND TAGGED WITH PROJECT IDENTIFICATION AT NURSERY OR CONTRACTOR'S OPERATION PRIOR TO MOVING TO JOB SITE. PLANTS MAY ALSO BE INSPECTED AND APPROVED OR REJECTED ON THE JOB SITE.
  - ALL PLANTS ARE TO MEET OR EXCEED AMERICAN STANDARDS FOR NURSERY STOCK, 1996 EDITION, AS SET FORTH BY AMERICAN ASSOCIATION OF NURSERYMEN.
  - PLANTS AND ALL OTHER MATERIALS TO BE STORED ON SITE WILL BE PLACED WHERE THEY WILL NOT CONFLICT WITH CONSTRUCTION AND AS DIRECTED BY OWNER.
  - ALL NEW LANDSCAPE PLANTINGS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING FINAL INSPECTION BY LANDSCAPE ARCHITECT. AT END OF THIS PERIOD, PLANT MATERIAL TURNED DEAD OR UNSATISFACTORY BY LANDSCAPE ARCHITECT SHALL BE REPLACED AT NO ADDITIONAL CHARGE BY THE LANDSCAPE CONTRACTOR.
  - ALL DISTURBED LAWN AREAS SHALL BE HYDROSEEDING AS NOTED ON EROSION CONTROL PLAN DETAIL, SHEET 1.
  - SEED AND SOD AREAS ARE TO BE GRADED WITH UNIFORMITY WITHOUT ANY UNDULATIONS OR IRREGULARITIES IN THE SURFACE PRIOR TO ANY TURFGRASS SOD INSTALLATION.
  - ALL SOD IS TO BE A BLUEGRASS BLEND AS FOLLOWS:  
SEED AND SOD AREAS ARE TO HAVE 0% NOXIOUS WEED AND FREE OF DISEASE. THE FOLLOWING BLEND OF TURFGRASS SHALL BE AS FOLLOWS:  
BLUEGRASS: 50 - 100%  
FINE FESCUE: 0 - 30%  
PERENNIAL RYEGRASS: 0 - 25%  
SEED AND SOD AREAS ARE TO BE PLANTED ON A MINIMUM 4" BED OF TOPSOIL.
  - TURFGRASS SOD SHALL BE PLACED ON PREPARED SOIL, THAT HAS BEEN WATERED AND IS STILL MOIST. SOD SHALL BE LAID WITH TIGHT JOINTS, ROLLED, FERTILIZED AND WATERED.
  - SOD IS TO BE UNIFORM IN COLOR AND DENSITY.
  - SEED AND SOD FERTILIZER IS TO BE UNIFORM IN COMPOSITION AND FREE FLOWING.
  - ALL LAWN AREAS AROUND THE BUILDING AND PARKING ISLANDS ARE TO BE SOODED.



LANDSCAPING BY OTHERS



**PLANTING SCHEDULE**

KEY	QTY.	BOTANICAL NAME	COMMON NAME	PLANTING SIZE	REMARKS
<b>Trees</b>					
AME-G	4	<i>Amelanchier canadensis</i>	Shadblow Serviceberry	1 1/2" CAL.	88B, Clump Form
PIN-P	9	<i>Picea pungens</i>	Colorado Spruce	8" HL.	88B
GIN-B	6	<i>Ginkgo biloba</i>	Ginkgo	2" CAL.	88B, 15' o.c.
ASC-S	5	<i>Acer saccharum 'Commemoratum'</i>	Commemoration Sugar Maple	2.0" CAL.	88B
OST-V	4	<i>Ostrya virginiana</i>	Hophorn Beam	2" CAL.	88B, 15' o.c.
GLE-T	2	<i>Quercus ilicifolia 'Inermis'</i>	Honey Locust	2" CAL.	88B, 15' o.c.
<b>Shrubs</b>					
TAX-D	42	<i>Taxus s. m. 'Danzoniana'</i>	Danew Yew	18"	88B, 36" o.c.
SPI-G	21	<i>Spiraea x bumalda 'Gold Flame'</i>	Gold Flame Spiraea	18"	88B, 36" o.c.
JUN-M	37	<i>Juniperus chinensis</i>	Mini Juniper	18"	88B, 36" o.c.
EUO-A	16	<i>Euonymus alata 'Compacta'</i>	Dwarf Burning Bush	18"	88B, 36" o.c.
TAX-B	95	<i>Taxus s. m. 'Brownii'</i>	Browns Spreading yew	18"	Container
TAX-E	8	<i>Taxus s. m. 'Everlow'</i>	Everlow Yew	18"	Container
<b>Grasses, Perennials &amp; Groundcover</b>					
PEN-A	9	<i>Pennisetum alopecuroides 'Hameln'</i>	Hameln Dwarf Fountain Grass	3 GAL.	Plant 18" o.c.
EUO-F	540	<i>Euonymus fortunei 'Coloratus'</i>	Purpleleaf Wintercreeper	2 1/4"	Plant Pot Plant 10" o.c.
HEM-H	16	<i>Hemerocallis 'Happy Returns'</i>	Happy Returns Daylily	1 Gal.	Plant 8" o.c.
HEM-P	16	<i>Hemerocallis 'Pardon Me'</i>	Pardon Me Daylily	1 Gal.	Plant 8" o.c.
JUN-S	6	<i>Juniperus sabina 'Buffalo'</i>	Buffalo Juniper	1 Gal.	Plant 8" o.c.
<b>ANNUALS</b>					
SEN-C	37	<i>Senecio cineraria</i>	Dusty Miller	1 OL.	Plant 12" o.c.
PET-S	46	<i>Petunia</i>	Pink Petunia	1 OL.	Plant 12" o.c.

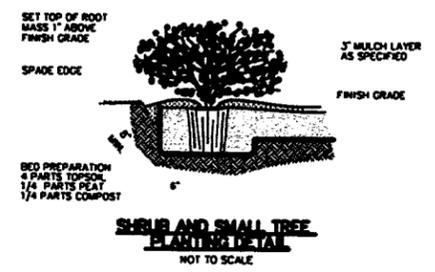
\* BULBS TO BE PLANTED IN PLANTING BEDS WITH BLUE MYRTLE.

\* CONTRACTOR IS RESPONSIBLE FOR ALL PLANT QUANTITIES AS SHOWN ON PLAN.

**GROUND COVER SPACING DETAIL**  
NOT TO SCALE

PLANTING	1"	2"	3"	4"	5"	6"	8"	10"
6" O.C.	5.7	4.6						
12" O.C.	6.9	5.8						
18" O.C.	10.4	8.7						
24" O.C.	13.9	11.6						
30" O.C.	16.7	14.0						
36" O.C.	19.6	16.4						
42" O.C.	22.5	18.8						
48" O.C.	25.4	21.2						

ALL PLANT SPACING EQUAL OR AS SHOWN ON PLANTING PLAN



7260 SHADELAND STATION  
INDIANAPOLIS, IN 46268-3857  
TEL: 317.547.5586 FAX: 317.543.0270  
www.structurepoint.com

AMERICAN  
**STRUCTUREPOINT**  
INC.

CERTIFIED BY

PREPARED FOR  
PREMIER DESIGN  
100 EAST MARKET STREET  
INDIANAPOLIS, INDIANA 46204

**LANDSCAPE PLAN**

PROJECT  
NATIONAL BANK OF INDIANAPOLIS AT COOL CREEK  
1348 STREET & COOL CREEK  
INDIANAPOLIS, INDIANA

DATE: 06/04/07  
DRAWN BY:  
CHKD BY: WAS  
JOB NO. IN2007.0667

**REVISIONS**

06-28-07	CITY/CLIENT
----------	-------------

SHEET NO.  
**C8.1**  
OF

IN2007.0667.CE.C08L1.P



**SECTION 7**

**SIGNAGE PACKAGE**

NOTE: THERE WILL BE COLOR VARIATIONS FROM THIS DRAWING TO THE FINAL PRODUCT

317"

15" **THE NATIONAL BANK & INDIANAPOLIS** 12"

**FABRICATE AND INSTALL INTERNALLY ILLUMINATED REVERSE CHANNEL LETTERS**

- FACES** - .090 ALUMINUM PAINTED AZTEC GOLD MAB 46-401
- RETURNS** - .063 ALUMINUM 3" DEEP AND PAINTED IN AZTEC GOLD
- BACKS** - 3/16" CLEAR ACRYLIC
- NEON** - 15 MM DESIGNER WHITE

**INSTALLATION**

LETTERS TO BE MOUNTED 2" OFF BUILDING FASCIA



[www.buysigncraft.com](http://www.buysigncraft.com)

8920 CORPORATION DR.  
INDIANAPOLIS, IN 46256  
Office 317.842.8664  
Fax 317.842.3015

**PREPARED FOR**

THE NATIONAL BANK  
OF INDIANAPOLIS  
WESTFIELD/CARMEL  
INDIANA

**SKETCH NAME**

REVERSE  
CHANNEL LETTERS

**SCALE**

1/2" = 1'-0"

**DATE**

JUNE 25, 2007

**S. C. REPRESENTATIVE**

STEVE McVICKER

**INDEX NUMBER**

0607-0108

**REVISIONS**

- 1 - DATE : \_\_\_\_\_
- 2 - DATE : \_\_\_\_\_
- 3 - DATE : \_\_\_\_\_
- 4 - DATE : \_\_\_\_\_

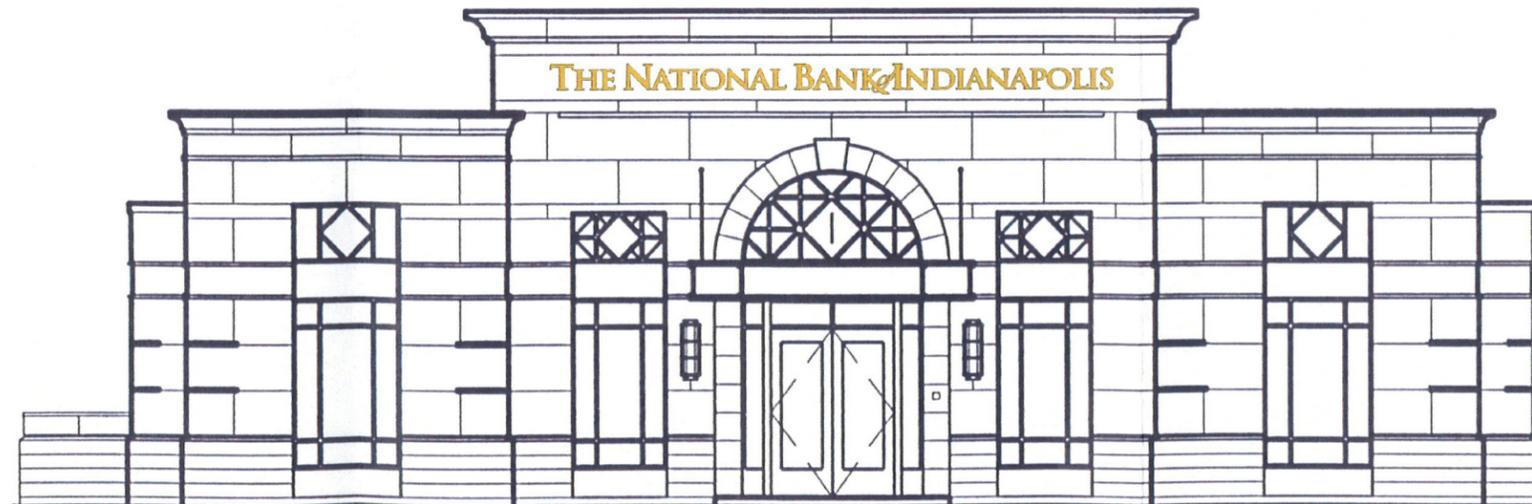
**CUSTOMER APPROVAL**

**APPROVAL DATE**

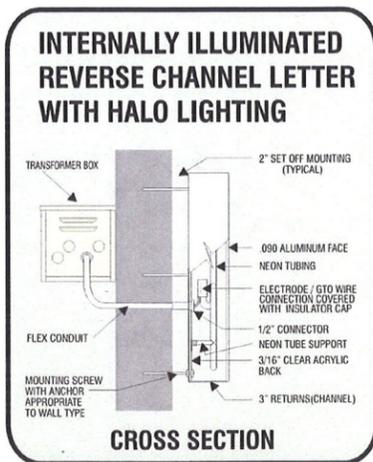
**DESIGNER**

SLM

**PRODUCTION NO.**



SOUTH ELEVATION 1/8" = 1'-0"



**INSTALL IN ACCORDANCE WITH THE  
NEC AND LOCAL ELECTRICAL CODES**



Underwriters  
Laboratories Inc.



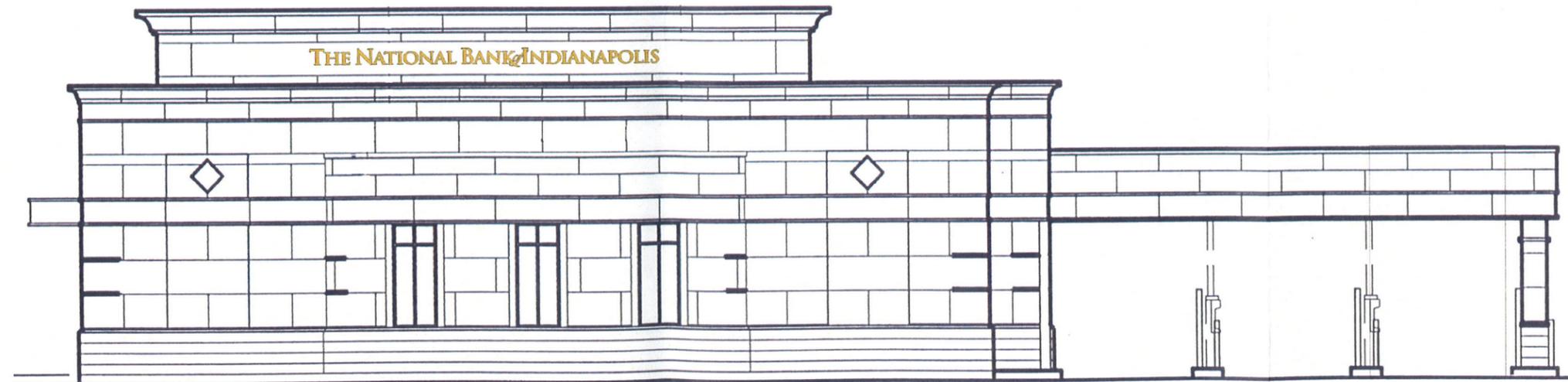
MIDWEST SIGN ASSOC.

NOTE: THERE WILL BE COLOR VARIATIONS FROM THIS DRAWING TO THE FINAL PRODUCT

253 3/4"  
 12" **THE NATIONAL BANK & INDIANAPOLIS** 9 1/2"

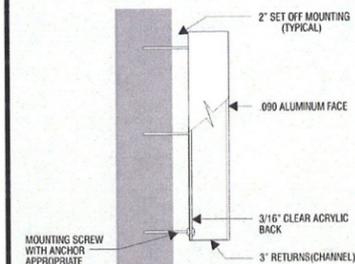
**FABRICATE AND INSTALL REVERSE CHANNEL LETTERS**  
**FACES** - .090 ALUMINUM PAINTED AZTEC GOLD MAB 46-401  
**RETURNS** - .063 ALUMINUM 3" DEEP AND PAINTED IN AZTEC GOLD  
**BACKS** - 3/16" CLEAR ACRYLIC

**INSTALLATION**  
 LETTERS TO BE MOUNTED 2" OFF BUILDING FASCIA



EAST ELEVATION 1/8" = 1'-0"

**REVERSE CHANNEL LETTER**



CROSS SECTION

**INSTALL IN ACCORDANCE WITH THE  
 NEC AND LOCAL ELECTRICAL CODES**

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8920 CORPORATION DR.  
 INDIANAPOLIS, IN 46256  
 Office 317.842.8664  
 Fax 317.842.3015

**PREPARED FOR**

THE NATIONAL BANK  
 OF INDIANAPOLIS  
 WESTFIELD/CARMEL  
 INDIANA

**SKETCH NAME**

REVERSE  
 CHANNEL LETTERS

**SCALE**

1/2" = 1'-0"

**DATE**

JUNE 25, 2007

**S. C. REPRESENTATIVE**

STEVE McVICKER

**INDEX NUMBER**

0607-0110

**REVISIONS**

- 1 - DATE : \_\_\_\_\_
- 2 - DATE : \_\_\_\_\_
- 3 - DATE : \_\_\_\_\_
- 4 - DATE : \_\_\_\_\_

**CUSTOMER APPROVAL**

**APPROVAL DATE**

**DESIGNER**

SLM

**PRODUCTION NO.**



Underwriters  
 Laboratories Inc.



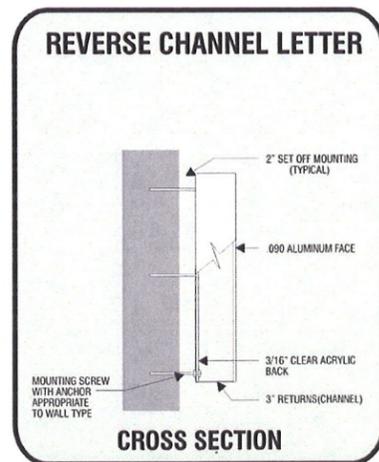
MIDWEST SIGN ASSOC.

NOTE: THERE WILL BE COLOR VARIATIONS FROM THIS DRAWING TO THE FINAL PRODUCT

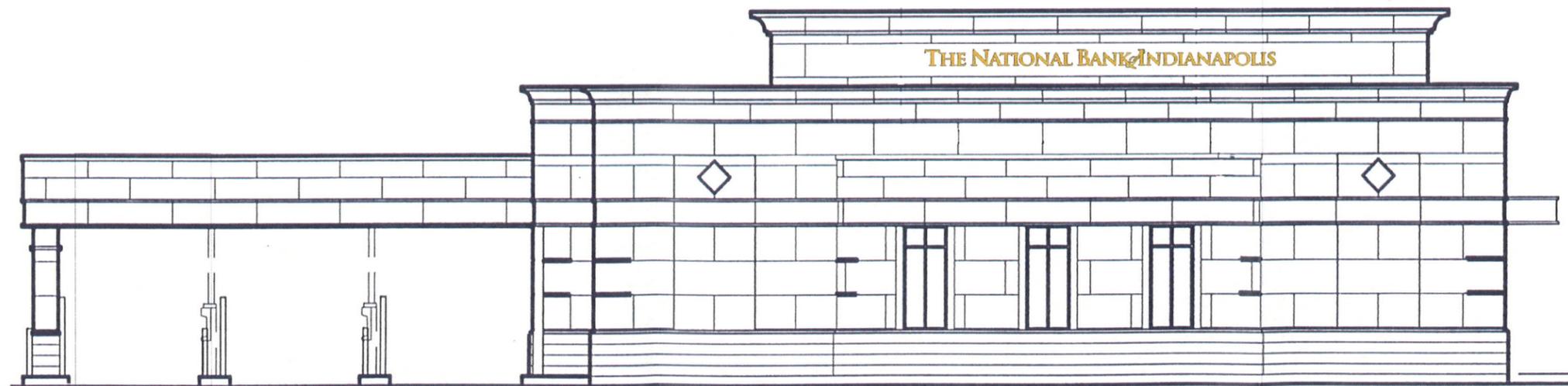
253 3/4"  
 12" **THE NATIONAL BANK & INDIANAPOLIS** 9 1/2"

**FABRICATE AND INSTALL REVERSE CHANNEL LETTERS**  
**FACES** - .090 ALUMINUM PAINTED AZTEC GOLD MAB 46-401  
**RETURNS** - .063 ALUMINUM 3" DEEP AND PAINTED IN AZTEC GOLD  
**BACKS** - 3/16" CLEAR ACRYLIC

**INSTALLATION**  
 LETTERS TO BE MOUNTED 2" OFF BUILDING FASCIA



**INSTALL IN ACCORDANCE WITH THE NEC AND LOCAL ELECTRICAL CODES**



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



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 Fax 317.842.3015

**PREPARED FOR**

THE NATIONAL BANK  
 OF INDIANAPOLIS  
 WESTFIELD/CARMEL  
 INDIANA

**SKETCH NAME**

REVERSE  
 CHANNEL LETTERS

**SCALE**

1/2" = 1'-0"

**DATE**

JUNE 25, 2007

**S. C. REPRESENTATIVE**

STEVE McVICKER

**INDEX NUMBER**

0607-0109

**REVISIONS**

- 1 - DATE : \_\_\_\_\_
- 2 - DATE : \_\_\_\_\_
- 3 - DATE : \_\_\_\_\_
- 4 - DATE : \_\_\_\_\_

**CUSTOMER APPROVAL**

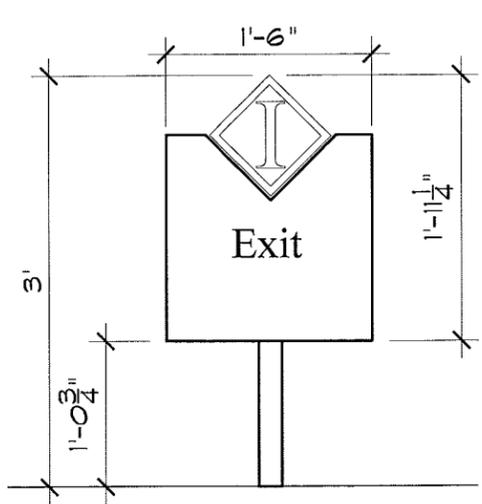
**APPROVAL DATE**

**DESIGNER**

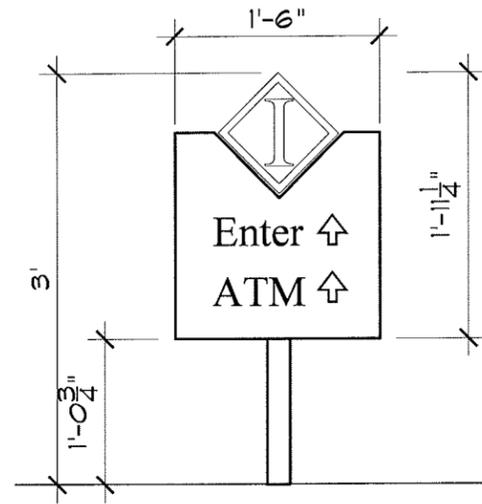
SLM

**PRODUCTION NO.**

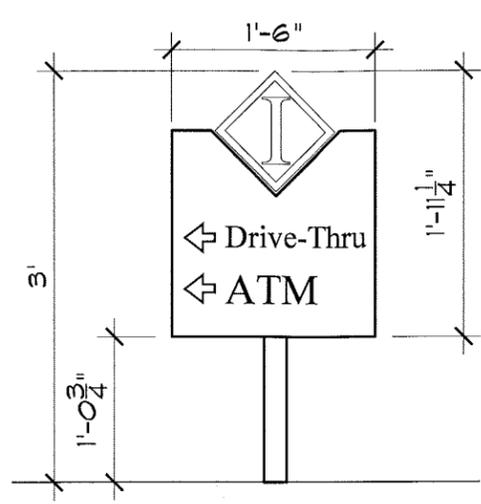




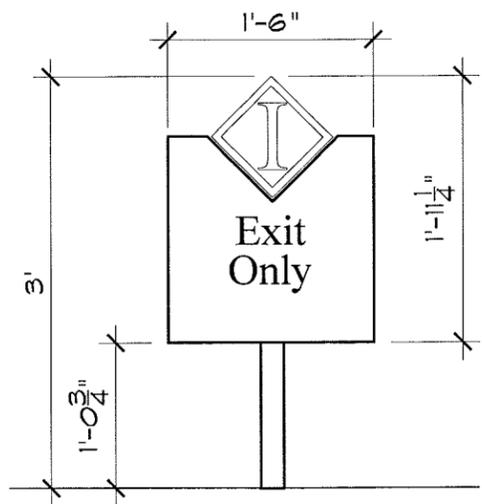
TRAFFIC DIRECTION  
SIGN D  
EAST FACE (1)  
SOUTH FACE (1)



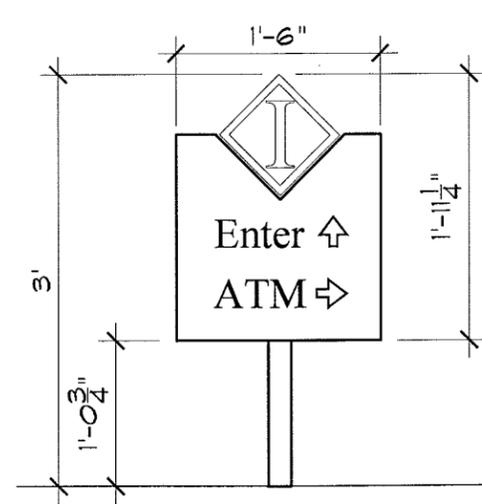
TRAFFIC DIRECTION  
SIGN E  
NORTH FACE (1)  
WEST FACE (1)



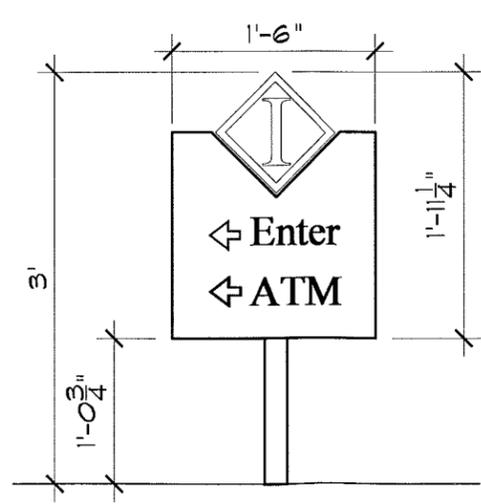
TRAFFIC DIRECTION  
SIGN F  
SIGN G (REVERSE ARROW)  
EAST FACE (1)



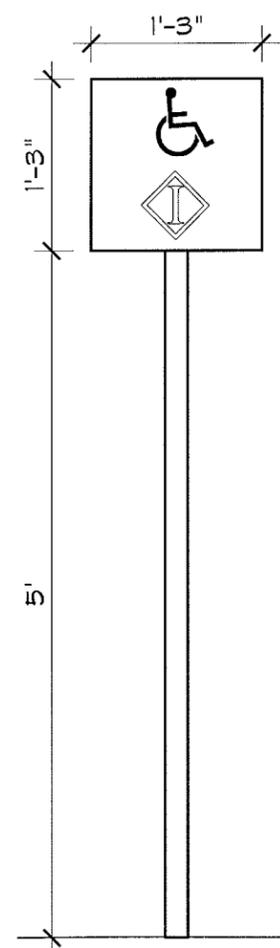
TRAFFIC DIRECTION  
SIGN A  
WEST FACE (1)  
NORTH FACE (1)



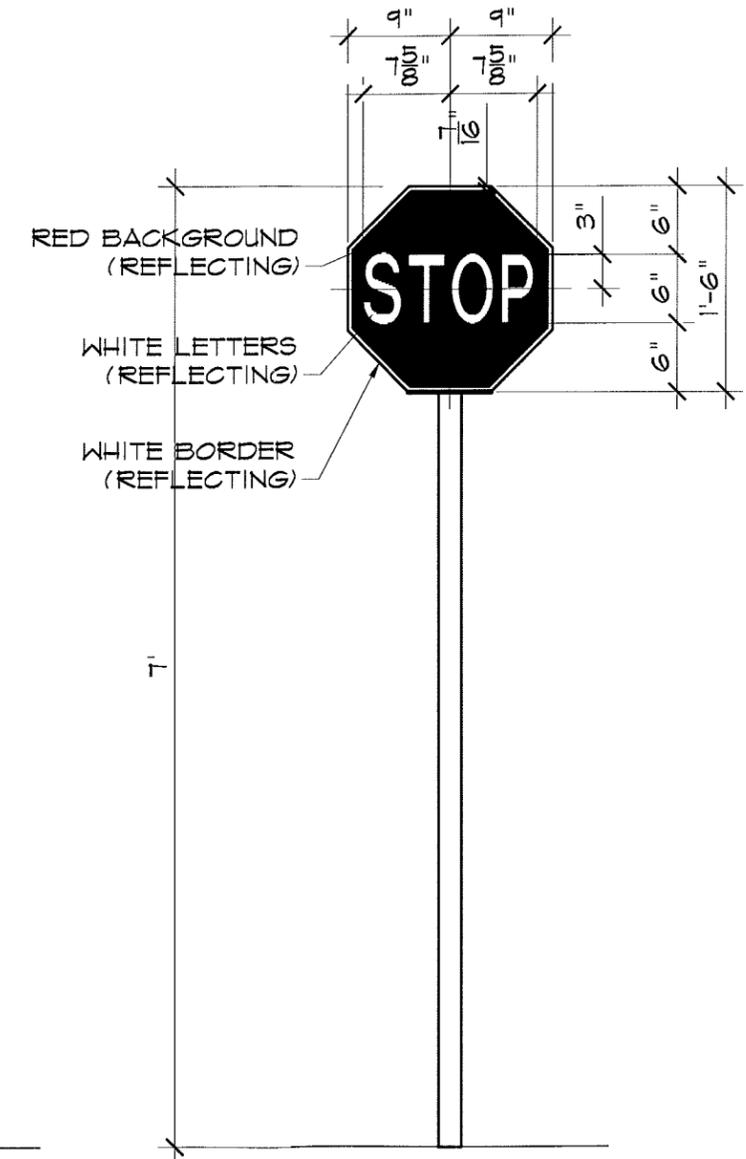
TRAFFIC DIRECTION  
SIGN B  
EAST FACE (1)



TRAFFIC DIRECTION  
SIGN C  
NORTH FACE (1)



GROUND SIGN H (FRONT)  
WEST FACE (1)  
EAST FACE (1)

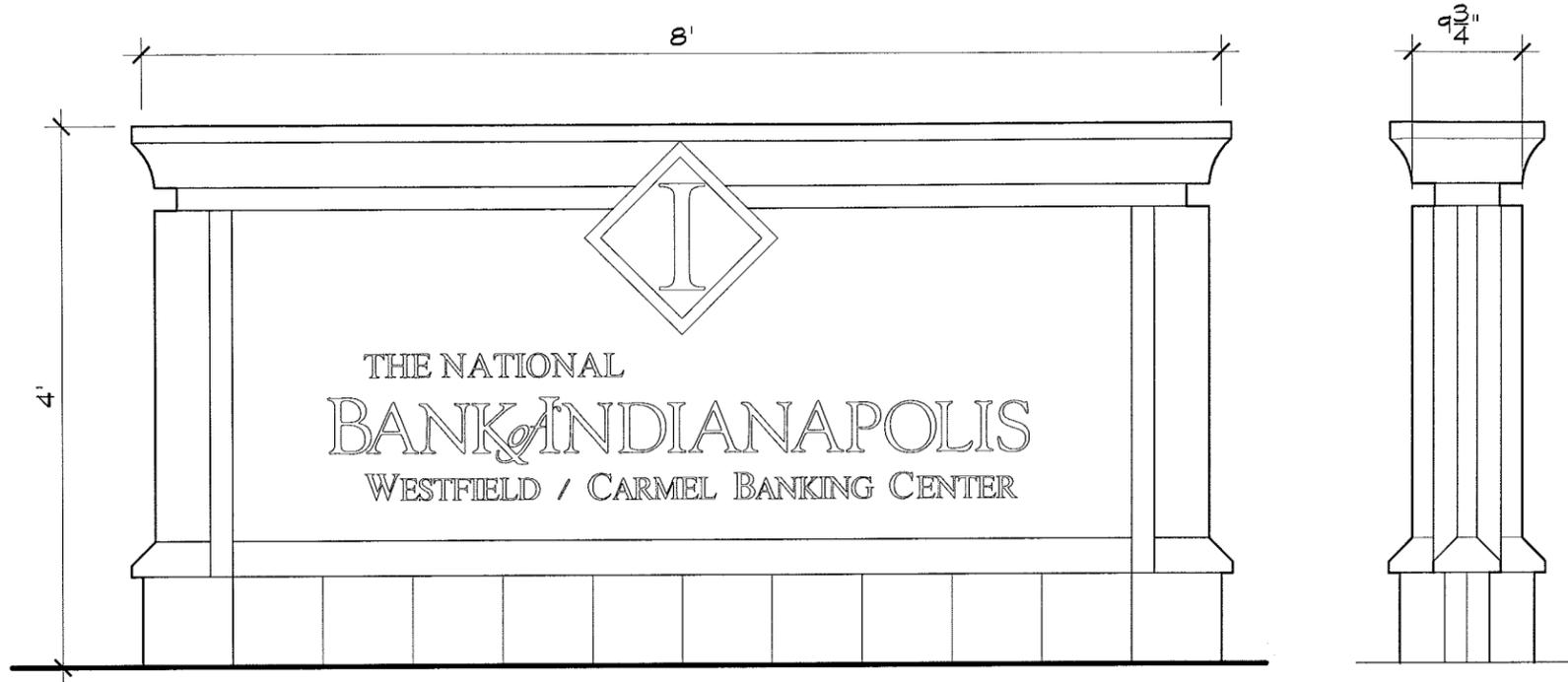


STOP SIGN

# SITE SIGNAGE

SCALE: 3/4" = 1'-0"

NON-ILLUMINATED FREE STANDING TRAFFIC DIRECTION SIGNS, THE 3" THICK SIGNS ARE FABRICATED OF ALUMINUM AND FINISHED WITH ACRYLIC POLYURETHANE COATING IN A CUSTOM BRONZE COLOR. THE COPY IS SURFACE APPLIED NON-GLARE VINYL.



MONUMENT GROUND SIGN J  
DOUBLE SIDED

# MONUMENT SIGNAGE

SCALE: 3/4" = 1'-0"

SHEET NO.

THE NATIONAL BANK OF INDIANAPOLIS

COOL CREEK VILLAGE  
2714 E. 146TH STREET  
CARMEL, IN 46033

108 East Market Street  
Indianapolis, IN 46204

317.262.1220 Tel  
317.262.1200 Fax  
www.brennerdesign.com

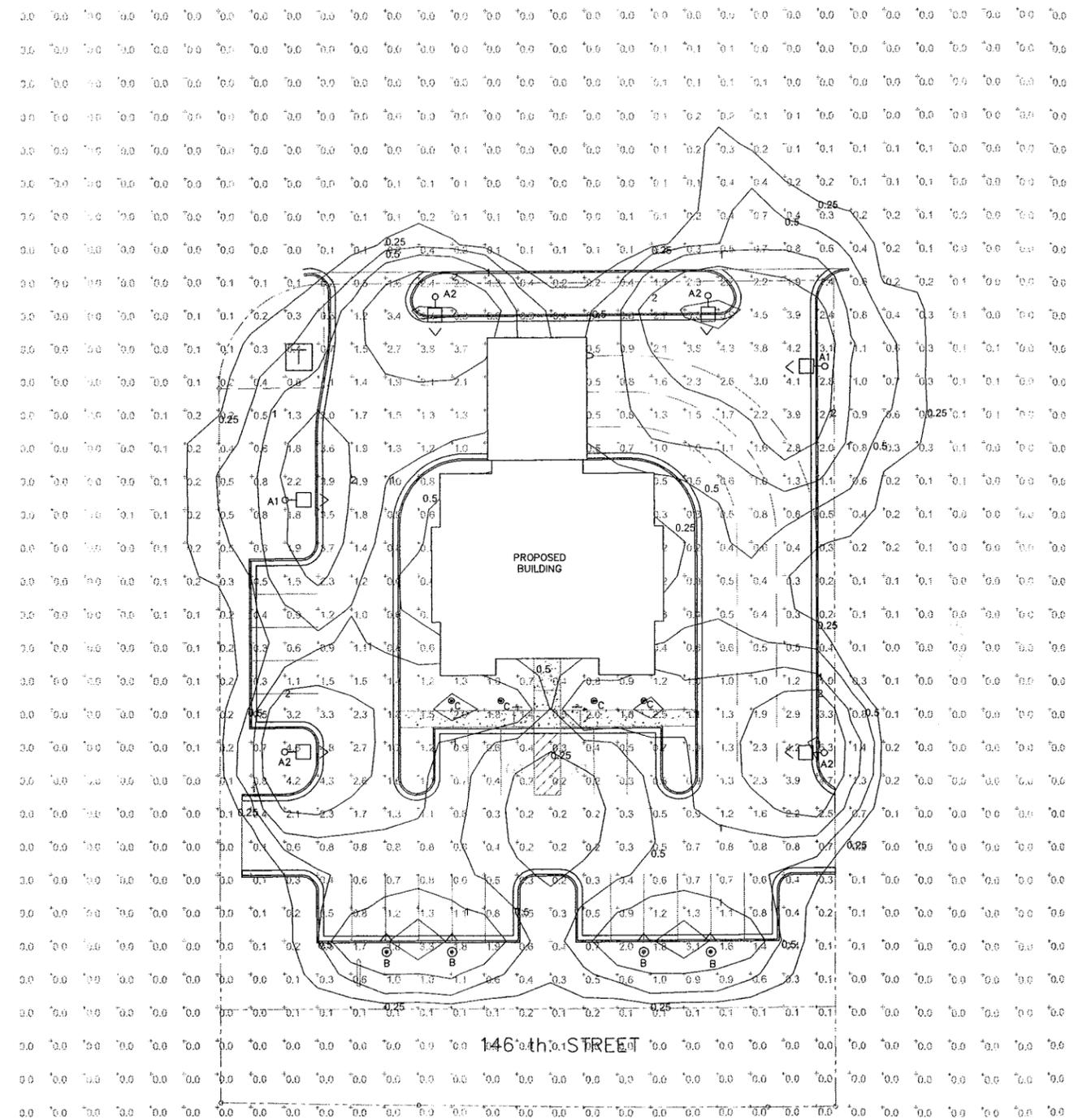
**BRENNER DESIGN**

Interior  
Exterior  
Interior Design

03 JUL 07

**SECTION 8**

**LIGHTING PHOTOMETRICS  
LIGHTING CUT SHEETS**



**SITE LIGHTING PHOTOMETRIC**  
SCALE: 1"=20'-0"



Light Fixture Designation	Description	Catalog #	Voltage	Lamps
A1	Site Lighting - Architectural arm-mounted cutoff luminaire mounted on 24' pole with Type III roadway lighting distribution. With house shield.	SPAULDING #CR1-A-H25-H3-HS	Yet to be determined.	250W Metal Halide
A2	Site Lighting - Architectural arm-mounted cutoff luminaire mounted on 24' pole with Type IV forward throw, sharp cut-off lighting distribution. With house shield.	SPAULDING #CR1-A-H25-H4-HS	Yet to be determined.	250W Metal Halide
B	Old Town series, traditional acorn style fixture. Decorative cast aluminum fitter, cast ballast housing assembly w/ acrylic clear textured acorn globe. Include glass refractor w/ type 3 IES distribution. Fixture mounted on 10' hamilton style pole.	STERNBERG ACORN, FITTER, POST & LUMINAIRE #A840 / 5P PT / 5410-DFP5-10' // 100MHMULTI / RE3G // VG	Yet to be determined.	100W Metal Halide
C	Decorative lighted bollard. Aluminum, one-piece construction.	STERNBERG #4401LB-70MHMULTI	Yet to be determined.	70W Metal Halide

**LIGHT FIXTURE SCHEDULE**

STATISTICS:  
AVG = 1.4 fc  
MAX = 6.0 fc  
MIN = 0.2 fc  
MAX/MIN = 30.0:1  
AVG/MIN = 7.0:1

NOTE: These statistics are based on actual parking area, not the area shown. The area shown is to discern the area of cut-off.

NOTE: THE MAXIMUM POLE HEIGHT IS 25-FEET FOR THE PROJECT.

Drawn:

**JAMES D. SIMPSON**  
and Associates, Engineers  
INCORPORATED  
13686 STONE DR. CARMEL, INDIANA 46032  
PH. 317.573-9996 FAX 317.573-9996  
MECHANICAL - PLUMBING - PIPING - ELECTRICAL  
jdsaeengine@sbcglobal.net

Project:  
**THE NATIONAL BANK OF INDIANAPOLIS**  
COOL CREEK VILLAGE BANKING CENTER  
WESTFIELD INDIANA

Scope Drawings:  
These drawings should be checked by the project engineer or architect prior to construction. The contractor is responsible for the accuracy of the drawings on the contract.  
On the basis of the general notes described or specified, the contractor shall verify all data relative to the project location and conditions of the work.

Drawing Title:  
**SITE LIGHTING PHOTOMETRIC**

Revisions:


Issue Date	Drawn By	Checked By
7-03-07	JEF	ES

Certified By:

*J. Simpson*

Drawing Number:  
**E1**

Project Number:  
**2007129**

**4401B DENVER UNLIT BOLLARD**

**SPECIFICATIONS**

**GENERAL**

The Model 4401B decorative unlit bollard shall be aluminum, one-piece construction. The 18" hexagonal cast aluminum smoothly styled base shall be constructed with a 5" diameter straight fluted aluminum shaft. The Model shall be Sternberg Lighting #4401B unlit bollard or #4401B-QR quick release unlit bollard.

**CONSTRUCTION**

The base shall have a hexagonal lower section designed with a smoothly sculptured upper section and be made of heavy wall, 356 alloy cast aluminum. It shall have a 7/8" thick floor cast as an integral part of the base. The extruded fluted shaft shall have 12 flat flutes, a 3/16" wall thickness and shall be made of ASTM 6061 aluminum and tempered to a T6 condition. The bollard cap shall be welded in place. The overall height of the bollard shall be 42".

**QUICK RELEASE MOUNTING (Optional)**

The Model 4401B-QR shall have a quick release option which allows quick removal of the bollard for convenience or emergency access. The burial portion shall be made of ASTM 6061 aluminum extrusion and shall have a keyway and flexible connection system for securing to bollard. The bollard shall have a mated extension and anti-rotation key and padlock slot. The quick release system shall allow for a flush pavement installation after temporary bollard removal.

**FINISH**

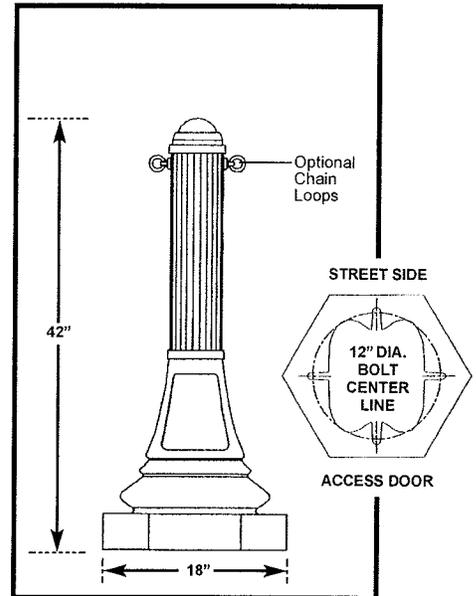
Prior to coating, each assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing, and non-chrome sealing to ensure corrosion resistance and excellent adhesion for the finish coating. The finish coating shall be electrostatically applied semi-gloss, super durable polyester powder baked at 400 degrees for a durable and superior, color retentive finish. Our optional antique Verde Green finish and Swedish Iron finish are hand brushed using a 3-step process. The total assembly shall be wrapped in shockproof wrapping or fully enclosed in corrugated cartons.

**INSTALLATION**

Four, hot dipped galvanized "L" type anchor bolts shall be provided with the post for non-quick release bollard anchorage. Quick release anchorage requires no anchor bolts. A door shall be provided for anchor bolt access. It shall be secured with tamper-proof, stainless steel hardware.

**WARRANTY**

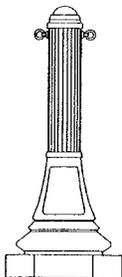
Five-year limited warranty. See product and finish warranty guide for details.



See installation template for exact door position.

**BUILDING A PART NUMBER      PART NUMBER SELECTIONS**

BOLLARD MODEL	OPTIONAL CHAIN LOOP	OPTIONS	FINISH
4401B	CL2		VG



- MODELS \***
- 4401B
  - 4401B-QR
- OPTIONAL CHAIN LOOP\*\***
- CL1 Chain Loop
  - CL2 Chain Loops 180°
- FINISHES STANDARD**
- BK Black
  - VG Verde Green
  - PG Park Green
  - ABZ Arch Med Bronze
  - SI Swedish Iron
  - DB Dark Bronze

\* NOTE: For custom heights, designate height after bollard model. Example: 4401B-40"

\*\* TO ORDER CHAIN: Specify total length of chain required for project.

- FINISHES CUSTOM**
- WH White
  - RT Rust
  - CM Custom Match
  - OI Old Iron
  - TT Two Tone

**4401LB DENVER LIGHTED BOLLARD**

**SPECIFICATIONS**

**GENERAL**

The Model 4401LB decorative lighted bollard shall be aluminum, one-piece construction. The 18" hexagonal cast aluminum smoothly styled base shall be constructed with a 5" diameter straight fluted aluminum shaft. The Model shall be Sternberg Lighting #4401LB lighted bollard or #4401LB-QR quick release lighted bollard.

**CONSTRUCTION**

The base shall have a hexagonal lower section designed with a smoothly sculptured upper section and be made of heavy wall, 356 alloy cast aluminum. It shall have a 7/8" thick floor cast as an integral part of the base. The extruded fluted shaft shall have 12 flat flutes, a 3/16" wall thickness and shall be made of ASTM 6061 aluminum and tempered to a T6 condition. The bollard cap will be cast aluminum. The overall height of the bollard shall be 42".

**ELECTRICAL**

The optical assembly shall be constructed of twelve fluted openings with a white acrylic lens. All electrical components shall be U.L. approved. H.I.D. ballasts shall be high power factor with lamp starting down to -30 degrees C. Medium base porcelain sockets to be 4KV rated. The ballast/socket assembly shall be pre-wired. Optional compact fluorescent (CF) ballasts shall be instant start electronic with a starting temperature of down to 0 degrees F. They shall have a 4-pin socket and support quad tube and triple tube lamps.

**QUICK RELEASE MOUNTING (Optional)**

The Model 4401LB-QR shall have a quick release option which allows quick removal of the bollard for convenience or emergency access. The burial portion shall be made of ASTM 6061 aluminum extrusion and shall have a keyway and flexible connection system for securing to bollard. The bollard shall have a mated extension and anti-rotation key and padlock slot. The quick release system shall allow for a flush pavement installation after temporary bollard removal.

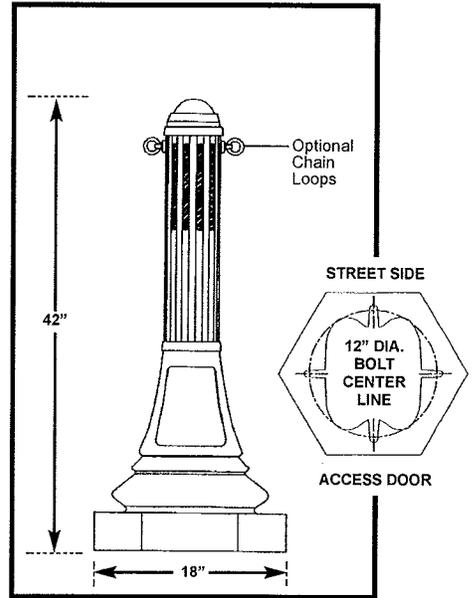
**FINISH**

Prior to coating, each assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing, and non-chrome sealing to ensure corrosion resistance and excellent adhesion for the finish coating. The finish coating shall be electrostatically applied semi-gloss, super durable polyester powder baked at 400 degrees for a durable and superior, color retentive finish. Our optional antique Verde Green finish and Swedish Iron finish are hand brushed using a 3-step process. The total assembly shall be wrapped in shockproof wrapping or fully enclosed in corrugated cartons.

**INSTALLATION**

Four, hot dipped galvanized "L" type anchor bolts shall be provided with the post for non-quick release bollard anchorage. Quick release anchorage requires no anchor bolts. A door shall be provided for wiring and anchor bolt access. It shall be secured with tamper proof, stainless steel hardware. Bollard will be provided with a grounding stud mounted on the base floor opposite the access door.

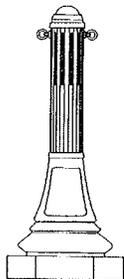
**WARRANTY** Five-year limited warranty. See product and finish warranty guide for details.



See installation template for exact door position.

**BUILDING A PART NUMBER      PART NUMBER SELECTIONS**

BOLLARD MODEL	OPTIONAL CHAIN LOOP	OPTIONS	LIGHT SOURCE BALLAST WATTS/TYPE/VOLTS	FINISH
4401LB	CL2	FHS	50HPS120	VG



- MODELS\***
- 4401LB
  - 4401LB-QR

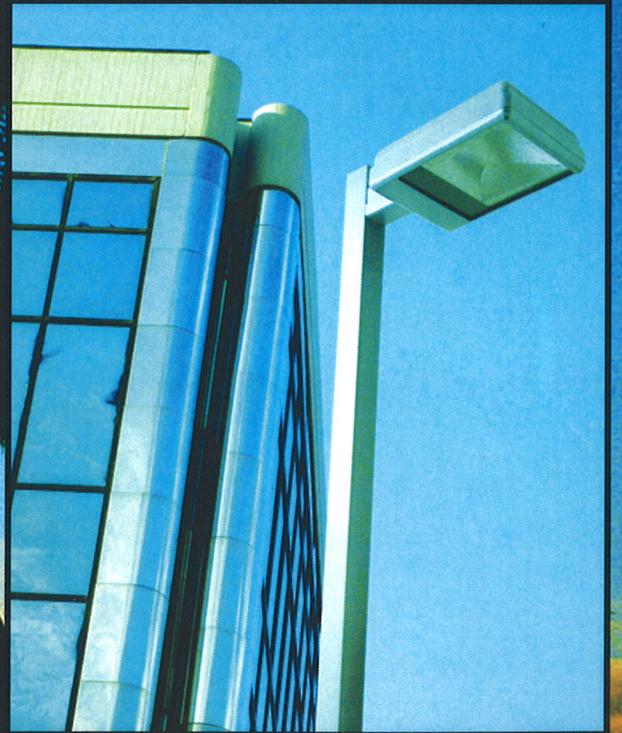
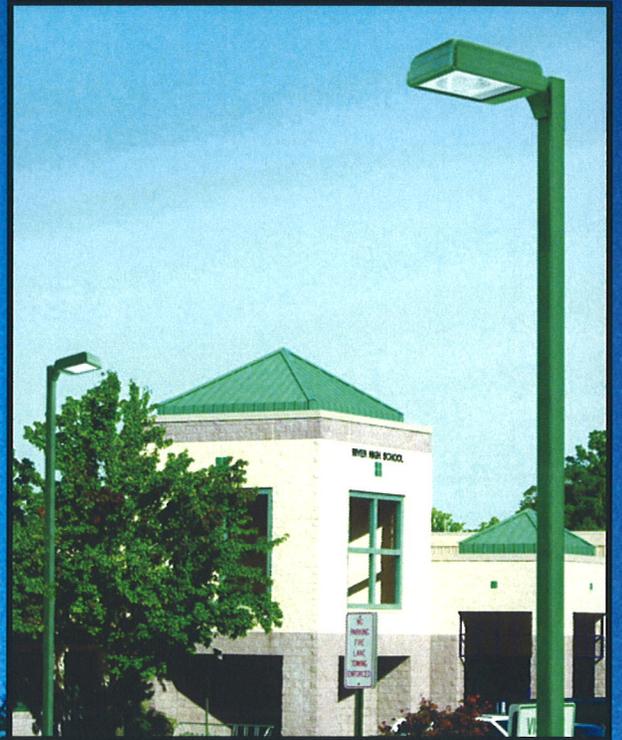
\* NOTE: For custom heights, designate height after bollard model. Example: 4401LB-40"

\*\* TO ORDER CHAIN: Specify total length of chain required for project.

- |  |   |  |  |
|--|---|--|--|
| <p><b>BALLASTS</b></p> <ul style="list-style-type: none"> <li>• 35HPS</li> <li>• 50HPS</li> <li>• 70HPS</li> <li>• 50MH</li> <li>• 70MH</li> <li>• 26CF</li> <li>• 32CF</li> <li>• 42CF</li> <li>• INCAND</li> </ul> | <p><b>LAMPS</b></p> <ul style="list-style-type: none"> <li>• HPS35/MED</li> <li>• HPS50/MED</li> <li>• HPS70/MED</li> <li>• MH50/MED</li> <li>• MH70/MED</li> <li>• CF26</li> <li>• CF32</li> <li>• CF42</li> </ul> | <p><b>FINISHES STANDARD</b></p> <ul style="list-style-type: none"> <li>• BK Black</li> <li>• VG Verde Green</li> <li>• PG Park Green</li> <li>• ABZ Arch Med Bronze</li> <li>• SI Swedish Iron</li> <li>• DB Dark Bronze</li> </ul>  | <p><b>FINISHES CUSTOM</b></p> <ul style="list-style-type: none"> <li>• WH White</li> <li>• RT Rust</li> <li>• CM Custom Match</li> <li>• OI Old Iron</li> <li>• TT Two Tone</li> </ul> |
| <p><b>OPTIONAL CHAIN LOOP**</b></p> <ul style="list-style-type: none"> <li>• CL1 Chain Loop</li> <li>• CL2 Chain Loops 180°</li> </ul>   | <p><b>VOLTAGES</b></p> <ul style="list-style-type: none"> <li>• 120</li> <li>• 208</li> <li>• 240</li> <li>• 277</li> <li>• 480</li> <li>• MULTI (120-277)</li> </ul>   | <p><b>OPTIONS</b></p> <ul style="list-style-type: none"> <li>• PEC1 Photocell -Bimetal 120 Volt</li> <li>• PEC2 Photocell -Bimetal 208-277 Volt</li> <li>• PEC1-E Photocell-Electronic 120 Volt</li> <li>• PEC2-E Photocell-Electronic 208-277 Volt</li> <li>• FHS Single Fuse and Holder-120,277 Volt</li> <li>• FHD Dual Fuse and Holder-208,240,480 Volt</li> <li>• GFI Ground Fault Interrupter Duplex Outlet</li> <li>• LAMPS Select from list</li> </ul> |  |

# CIMARRON

*DIE CAST ARCHITECTURAL LUMINAIRE*



**SPAULDING  
LIGHTING**

# CIMARRON

## DIE CAST ARCHITECTURAL LUMINAIRE



Cimarron combines a contemporary, clean design with full cutoff performance to deliver more light – where you need and want it.

### FEATURES

**HOUSING** Architecturally styled, one piece die-cast aluminum housing with nominal .125" wall thickness. Low profile design reduces the overall wind loading while providing sleek, unobtrusive look which complements most building architectural styles.

**DOOR** Die-cast aluminum door hinges to housing and secures with two captive screws providing four points on contact ensuring a clean lens and optical assembly. Both the flat tempered glass and door are sealed with one-piece extruded silicone gaskets.

**OPTICS** Specular, anodized aluminum reflectors provide IES type II, III, IV, and V distributions with a horizontal lamp orientation. The type II, III, and V reflectors are one-piece hydroformed while the type IV is a multi-piece design. All meet IESNA Full Cutoff classification and are field rotate in 90 degree increments. House side shields available as either factory installed options or field installed accessories.

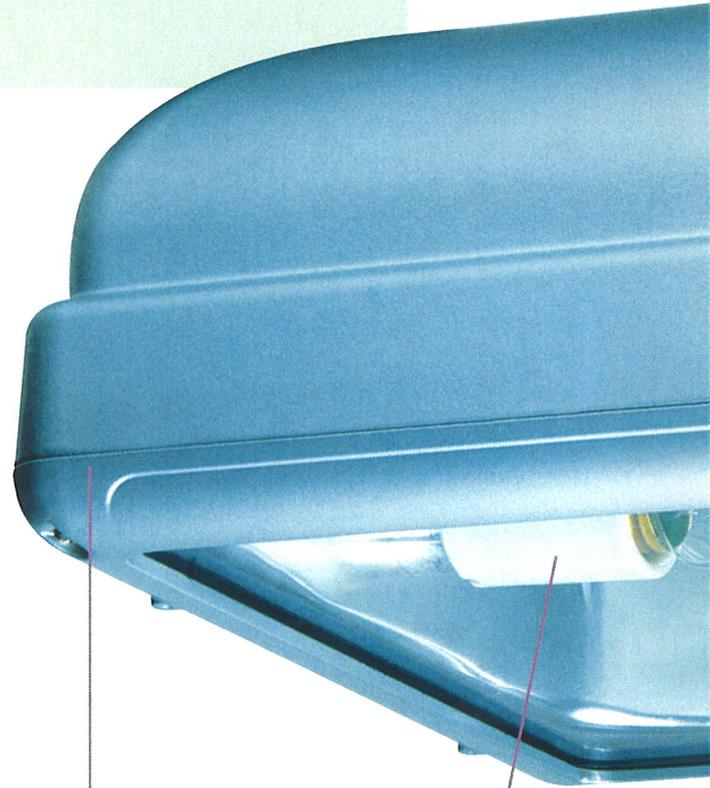
**MOUNTING** Two arm designs are available providing maximum design flexibility. The die-cast aluminum arm offers a sleek upswept look while the extruded straight arm includes the housings contoured lines for continuity of style. A wall bracket and pole/tenon accessories are also available allowing easy mounting for virtually any application.

**ELECTRICAL** Energy efficient HID lamps up to 400 watts. Pulse rated porcelain sockets have spring loaded, nickel plated center contact. All units offer factory or field-installable photocell options and fusing.

**BALLAST** HPF ballast circuit, starting rated at -20° F (-40° F for HPS). Ballast and other electrical components mounted directly to housing for excellent heat dissipation and long life.

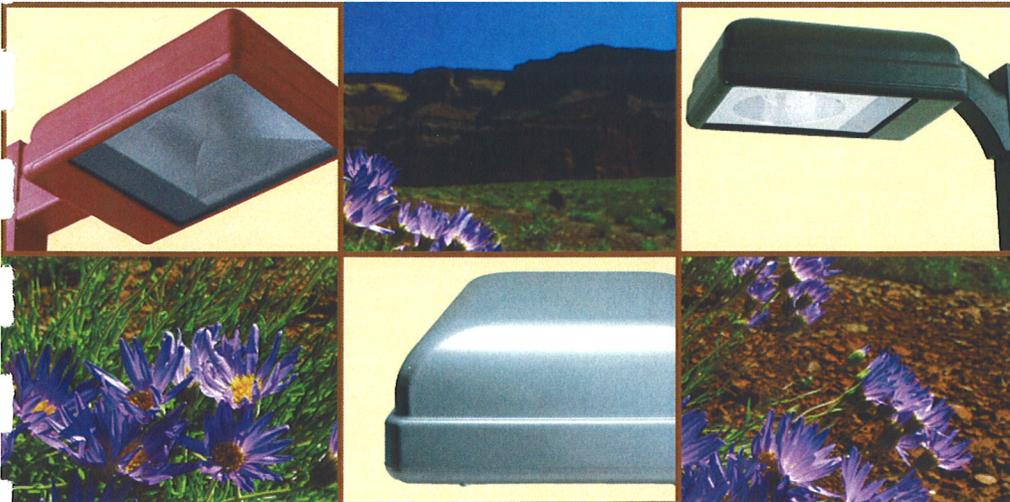
**FINISH** Durable Lektrocote® TGIC thermoset polyester powder paint finish assures long life and maintenance free service. Standard finishes include Dark Bronze, Black, White, Gray, and Platinum Silver. Also available are Red, Forest Green, and custom colors.

**LISTING** UL 1598 approved and CSA Certified for wet location applications.



DIE CAST ALUMINUM HOUSING

METAL HALIDE, SUPER METAL HALIDE, PULSE START, HIGH PRESSURE SODIUM LAMPS AVAILABLE



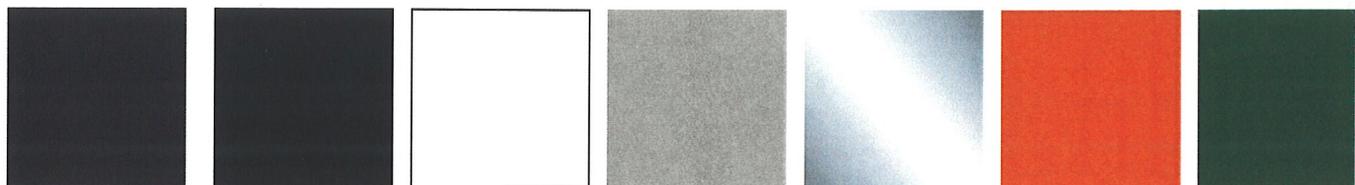


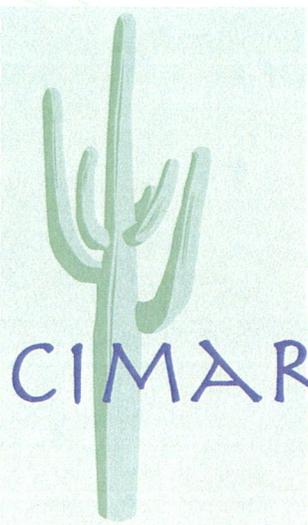
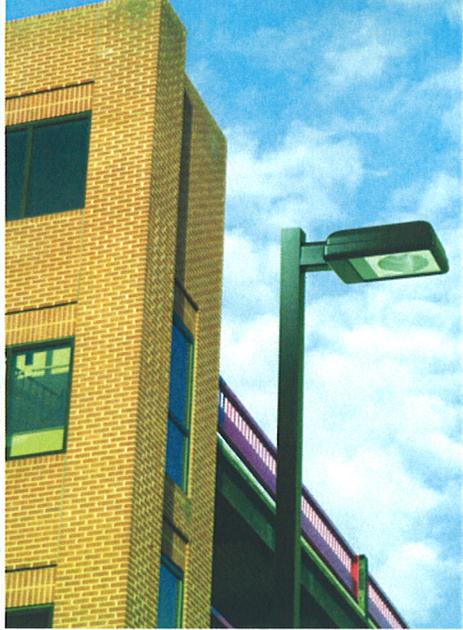
FLAT GLASS ASSURES  
PRECISE FULL CUTOFF  
PERFORMANCE

FOUR IES LIGHT  
DISTRIBUTION CHOICES

HINGED DIE CAST  
ALUMINUM DOOR WITH  
CAPTIVE HARDWARE

DECORATIVE STRAIGHT ARM,  
DECORATIVE UPSWEPT ARM AND  
WALL BRACKET MOUNTING  
OPTIONS





CIMARRON

*Style*  
*Performance*  
*Value*

**ORDERING EXAMPLE**

<b>CR1</b>	-	<b>A</b>	-	<b>H17</b>	-	<b>H2</b>	-	<b>F</b>	-	<b>Q</b>	-	<b>DB</b>	-	<b>PR1</b>
Series		Mounting		Wattage/ Source		Lamp Orientation/Distribution		Lens		Voltage		Color		Options

**SERIES**

**CR1** Cimarron

**MOUNTING**

- A<sup>1</sup>** Arm Mount Construction (6" straight rigid arm included & acceptable for 90° configurations)
- AD<sup>1</sup>** Decorative Arm Mount Construction (6" decorative upswept arm included & acceptable for 90° configurations)
- WB** Wall Bracket Construction (includes Wall Bracket & 6" straight arm unless WBAD option is chosen which substitutes Decorative Upswept Arm)
- 0** No Arm or Wall Bracket (only order without arm or wall bracket when they are ordered as accessory)

**WATTAGE/SOURCE**

**METAL HALIDE**

- H17** 175W (ED-28)
- H25** 250W (ED-28)
- H40** 400W (ED-28)

**SUPER METAL HALIDE**

- MS17** 175W (ED-28)
- MS25** 250W (ED-28)
- MS40** 400W (ED-28)

**PULSE START METAL HALIDE**

- P10** 100W (ED-17)
- P12** 125W (ED-17)
- P15** 150W (ED-28)
- P20** 200W (ED-28)
- P25** 250W (ED-28)
- P32** 320W (ED-28)
- P35** 350W (ED-28)
- P40** 400W (ED-28)

**HIGH PRESSURE SODIUM**

- S10** 100W (ED-23 1/2)
- S15** 150W (ED-23 1/2)
- S25** 250W (ED-18)
- S40** 400W (ED-18)

**LAMP ORIENTATION/DISTRIBUTION**

- H2** Horizontal II
- H3** Horizontal III
- H4** Horizontal IV
- H5** Horizontal V (square)

**LENS**

- F** Flat

**VOLTAGE**

- Q** Quad-Tap® (120, 208, 240, 277V)
- V** Five-Tap (120, 208, 240, 277, 480V) (250 & 400 MH, 250 & 400 HPS only)
- 5** 480V
- T** 120, 277, 347V
- 0** No Ballast
- E** 50 Hz 220/240V (250 & 400 MH, 250 & 400 HPS only)

**COLOR**

- DB** Dark Bronze
- BL** Black
- WH** White
- GR** Gray
- PS** Platinum Silver
- RD** Red (premium color)
- FG** Forest Green (premium color)
- CC** Custom Color (premium color)

**OPTIONS**

- WBAD** Substitutes Decorative Upswept Arm when WB wall bracket mounting is chosen
- RPA2** Round Pole Adapter (2¾"-3⅛")
- RPA3** Round Pole Adapter (3¼"-3¾")
- RPA4** Round Pole Adapter (3⅝"-4½")
- RPA5** Round Pole Adapter (5")
- RPA6** Round Pole Adapter (6")
- F1** Fusing - 120V
- F2** Fusing - 208V
- F3** Fusing - 240V
- F4** Fusing - 277V
- F5** Fusing - 480V
- F6** Fusing - 247V
- P1** Photo Button - 120V
- P2** Photo Button - 208V
- P3** Photo Button - 240V
- P4** Photo Button - 277V
- P6** Photo Button - 347V
- PR1** Photo Cell Receptacle - 120V
- PR2** Photo Cell Receptacle - 208V
- PR3** Photo Cell Receptacle - 240V
- PR4** Photo Cell Receptacle - 277V
- PR5** Photo Cell Receptacle - 480V
- PR6** Photo Cell Receptacle - 347V
- QZ** Quartz RS with lamp
- HS** Internal House Side Shield (available for H2, H3 & H4 distributions)
- VG** Polycarbonate Vandal Guard
- L** Lamp

**SELECT UNITS ARE STOCKED FOR IMMEDIATE SHIPMENT.**

<sup>1</sup> When ordering poles, specify Pole Drill Pattern #2 for A and AD mounting.

**LEKTROCOTE® FINISH PROCESS**

Lektrocote® is a proprietary process where the thermosetting, acid-functional polyester powder resin is electrostatically applied only after a thorough cleaning process. Luminaires receive a five-step wash with both acid and alkaline based liquid cleaners followed by the deposit of a thin layer of proprietary compound to promote maximum corrosion-resistance and paint adhesion. Finally the decorative finish coat is applied.

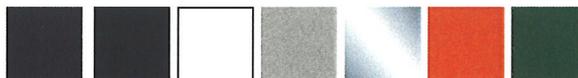
Lektrocote® meets or exceeds the following standards:

- ASTM B-117 1000 hour salt spray test
- ASTM B-2247 1000 hour humidity test
- ASTM D-2794 Impact test resistant to 160 inch pounds
- ASTM D-522 Flexibility test
- AAMA 603 Blister/adhesion test

**COLOR SELECTIONS**

5 standard (Bronze, Black, White, Gray, Platinum Silver).  
2 premium (Red, Forest Green) and custom colors (consult factory) are available.

Note: Actual colors may vary due to printing process.



All colors are textured except Platinum Silver and Red.

MARRON ACCESSORIES

Catalog #	Description
ARM-CR-6-S-XX <sup>1,2</sup>	6" Rigid Straight Arm
ARM-CRD-6-S-XX <sup>1,2</sup>	6½" Rigid Upswept Arm
ARM-CR-K-TA-XX <sup>1</sup>	Tenon Arm (single) adjustable
ARM-CR-TK-TA-XX <sup>1</sup>	Tenon Arm (double 180°) adjustable
ARM-CR-K-S-XX <sup>1,2</sup>	Adjustable Arm (for flat surfaces)
11-PVG	Polycarbonate Vandal Guard
R1-HS-23	Internal House Side Shield (H2 & H3 distributions)
CR1-HS-4	Internal House Side Shield (H4 distribution)
CR-RPA2-XX <sup>1</sup>	Round Pole Adapter for Straight Arm (2¾ - 3½")
R-RPA3-XX <sup>1</sup>	Round Pole Adapter for Straight Arm (3¼ - 3¾")
R-RPA4-XX <sup>1</sup>	Round Pole Adapter for Straight Arm (3⅞ - 4½")
CR-RPA5-XX <sup>1</sup>	Round Pole Adapter for Straight Arm (5")
CR-RPA5-XX <sup>1</sup>	Round Pole Adapter for Straight Arm (6")
RD-RPA2-XX <sup>1</sup>	Round Pole Adapter for Upswept Arm (2¾ - 3½")
RD-RPA3-XX <sup>1</sup>	Round Pole Adapter for Upswept Arm (3¼ - 3¾")
CRD-RPA4-XX <sup>1</sup>	Round Pole Adapter for Upswept Arm (3⅞ - 4½")
CRD-RPA5-XX <sup>1</sup>	Round Pole Adapter for Upswept Arm (5")
RD-RPA6-XX <sup>1</sup>	Round Pole Adapter for Upswept Arm (6")
B-CR-XX <sup>1</sup>	Wall Bracket

1 Replace XX with color choice, eg.: DB for Dark Bronze  
 2 When ordering poles, specify Pole Drill Pattern #2

TENON TOP POLE BRACKET ACCESSORIES

SS version requires round pole adapter

Catalog #	Description
SSS-490-XX <sup>1</sup>	Square Pole Tenon Adapter (4 at 90 degrees)
SS-490-XX <sup>1</sup>	Round Pole Tenon Adapter (4 at 90 degrees)
SS-3120-XX <sup>1</sup>	Round Pole Tenon Adapter (3 at 120 degrees)

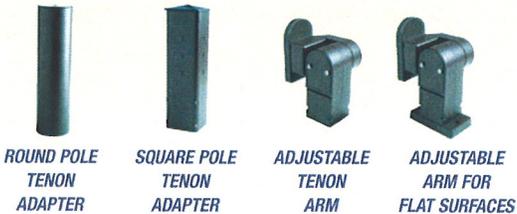
1 Replace XX with color choice, eg.: DB for Dark Bronze

ADDITIONAL ACCESSORIES

Catalog #	Description
PTL-1	Photocontrol - Twist-Lock Cell (120V)
TL-8	Photocontrol - Twist-Lock Cell (120-277V)
TL-5	Photocontrol - Twist-Lock Cell (480V)
PTL-6	Photocontrol - Twist-Lock Cell (347V)
PSC	Shorting Cap - Twist-Lock

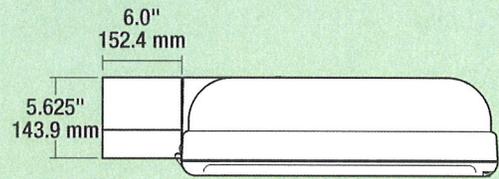
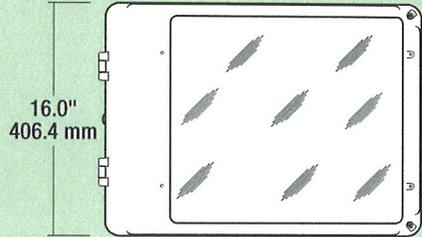
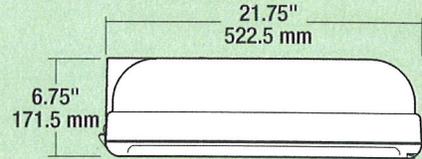


6" RIGID STRAIGHT ARM      6½" RIGID UPSWEPT ARM      ROUND POLE ADAPTER

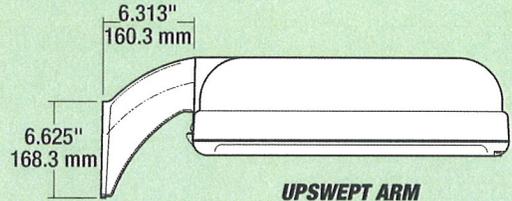


ROUND POLE TENON ADAPTER      SQUARE POLE TENON ADAPTER      ADJUSTABLE TENON ARM      ADJUSTABLE ARM FOR FLAT SURFACES

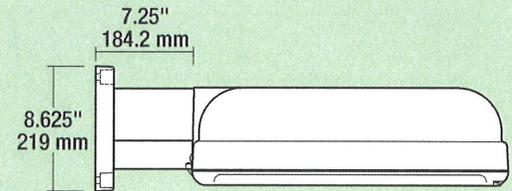
DIMENSIONS



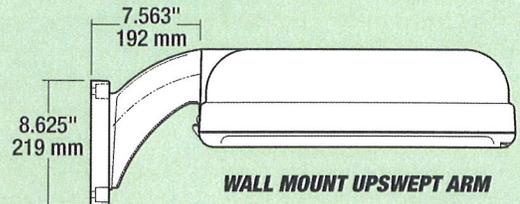
STRAIGHT ARM



UPSWEPT ARM



WALL BRACKET STRAIGHT ARM



WALL MOUNT UPSWEPT ARM

EPA

- 1 at 90° = 1.2 ft<sup>2</sup>      3 at 90° = 3.0 ft<sup>2</sup>
- 2 at 90° = 1.8 ft<sup>2</sup>      3 at 120° = 3.0 ft<sup>2</sup>
- 2 at 180° = 2.4 ft<sup>2</sup>      4 at 90° = 3.0 ft<sup>2</sup>

Weight: 44 lbs (20 kg)

# PHOTOMETRICS

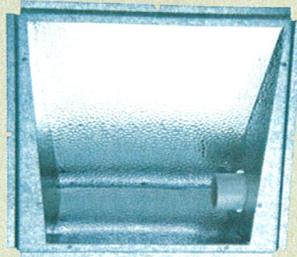
## TYPE III REFLECTOR



**400 WATT METAL HALIDE LAMP**  
**32,400 LUMENS**  
**LLF = 1.0 (apply appropriate factor)**  
**25' MOUNTING HEIGHT**

- Using a Type III HS shield would result in a 50% reduction of House Side Light

## TYPE IV REFLECTOR



**400 WATT METAL HALIDE LAMP**  
**32,400 LUMENS**  
**LLF = 1.0 (apply appropriate factor)**  
**25' MOUNTING HEIGHT**

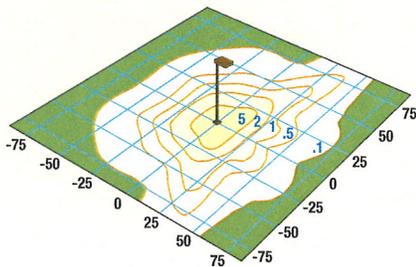
- Using a Type IV HS shield would result in a 44% reduction of House Side Light

## TYPE V REFLECTOR

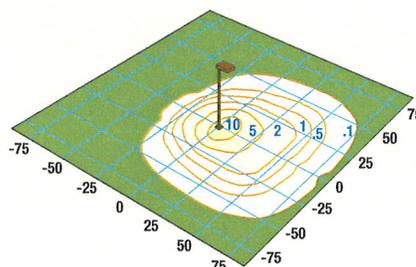


**400 WATT METAL HALIDE LAMP**  
**32,400 LUMENS**  
**LLF = 1.0 (apply appropriate factor)**  
**25' MOUNTING HEIGHT**

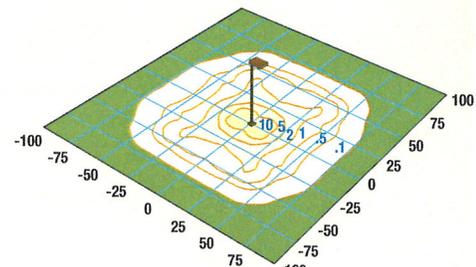
### ISO, ONE LUMINAIRE



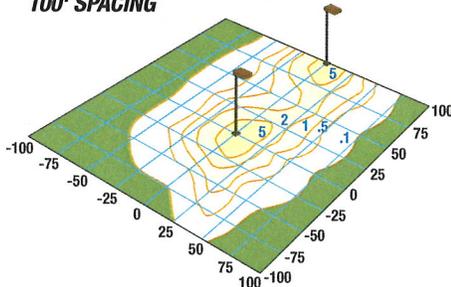
### ISO, ONE LUMINAIRE



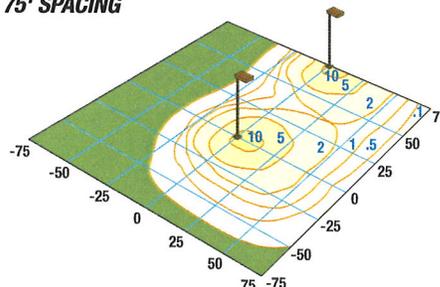
### ISO, ONE LUMINAIRE



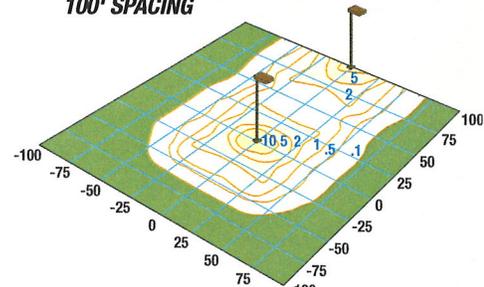
### ISO, TWO LUMINAIRES 100' SPACING



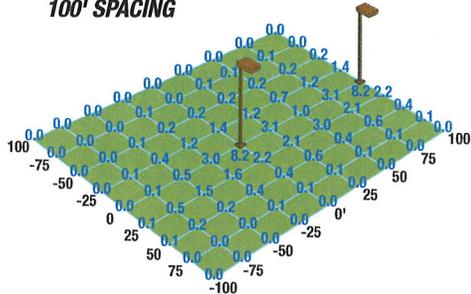
### ISO, TWO LUMINAIRES 75' SPACING



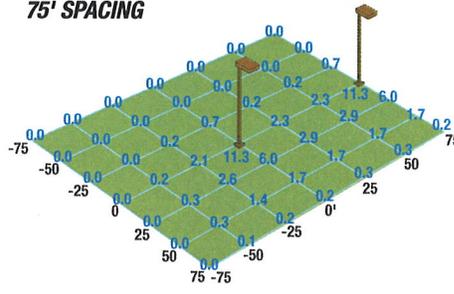
### ISO, TWO LUMINAIRES 100' SPACING



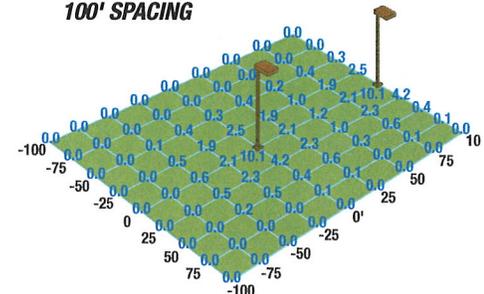
### POINT TO POINT, TWO LUMINAIRES 100' SPACING



### POINT TO POINT, TWO LUMINAIRES 75' SPACING



### POINT TO POINT, TWO LUMINAIRES 100' SPACING



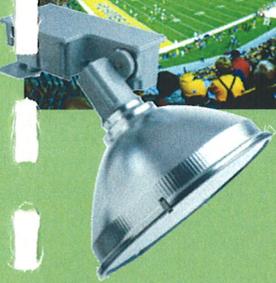
## MOUNTING HEIGHT CORRECTIONS FACTORS

MOUNTING HEIGHT (FEET)	15	20	25	30	35	40
MOUNTING HEIGHT (METERS)	4.6	6.1	7.6	9.1	10.7	12.2
FACTOR	2.78	1.56	1.00	0.69	0.51	0.39

NOTE: The distance between grid lines changes to equal the mounting height when using this correction factor table.

# ADDITIONAL HUBBELL LIGHTING PRODUCTS

**Sports Lighting**



**Highbay/Lowbay Lighting**



**Under-Canopy Lighting**



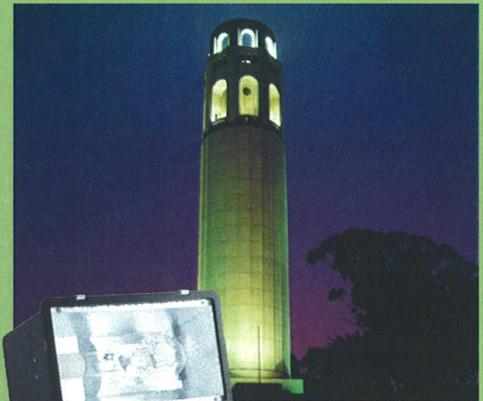
**Hazardous Environment Lighting**



**Surface-Mounted Lighting**



**Floodlighting**



## **SPAULDING LIGHTING**

Due to our continued efforts to improve our products, product specifications are subject to change without notice.



® Alera Lighting • Architectural Area Lighting • Columbia Lighting • Devine Lighting • Dual-Lite • Hubbell Outdoor Lighting  
Hubbell Industrial Lighting • Kim Lighting • Moldcast • Prescolite • Prescolite Life Safety • Progress Lighting  
Security Lighting Systems • Spaulding Lighting • Sterner Lighting Systems • Sportsliter Solutions • Whiteway

Hubbell Lighting, Inc.

UNITED STATES • Hubbell Lighting, Inc. • 101 Corporate Drive, Suite L • Spartanburg, SC 29303 • PHONE: 864-599-6000  
CANADA • Hubbell Canada • 870 Brock Road • Pickering, Ontario L1W 1Z8 • www.hubbell-canada.com  
MEXICO • Hubbell De Mexico, S.A. DE CV • Av. Coyoacan No. 1051 • Col. Del Valle • 03100 Mexico, D.F. • www.hubbell.com.mx

For more information visit our web site: [www.spauldinglighting.com](http://www.spauldinglighting.com)

**A840 /A840SR OLD TOWN SERIES**

**SPECIFICATIONS**

**GENERAL**

The A840 Old Town series is a traditional acorn style fixture which consists of a decorative cast aluminum fitter, cast ballast housing assembly and polycarbonate or acrylic clear textured acorn globe. It shall be appointed with a cast aluminum decorative 4 vane finial.

**FITTER**

The fitter shall be heavy wall cast aluminum, 319 alloy for high tensile strength. It shall have an 8 1/2" inside diameter opening to attach to the 8" neck of the acorn globe. When ordered with a Sternberg aluminum pole, the fitter shall be circumferentially welded to the pole top or tenon for safety and to ensure the fixture will be plumb, secure and level over the life of the installation. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly.

**FITTER-TL FOR QUICK & TOOL-LESS REMOVAL OF ACORN (OPTIONAL)**

The fitter shall be heavy wall cast aluminum, 319 alloy for high tensile strength. It shall have an 9 1/4" inside diameter opening to attach to the 8" neck of the acorn globe. When ordered with a Sternberg aluminum pole, the fitter shall be set screwed to the pole top or tenon. The fitter shall have an aluminum die cast twist-lock mechanism for tool-less, 1/4 turn installation and removal of acorn. The acorn is provided with a die cast mating collar which is easily removed and reused if acorn replacement is ever performed.

**980 FITTER OPTION**

The fitter shall be heavy wall cast aluminum, 319 alloy for high tensile strength. It shall have a 9 1/4" inside diameter opening to attach to the 8" neck of the acorn globe. It shall have a hinged, tool-less entry door that provides open access to all of the components. The 980 shall have a terminal block for ease of wiring, an optional Roto-Lock Photo-cell receptacle, an optional Single Convenience outlet or Single GFIC outlet for auxiliary power needs. The top mounted ballast mounting plate shall be cast aluminum and provide tool-less removal from the housing using 2ea finger latches. When ordered with a Sternberg aluminum pole, the fitter shall be set screwed to the pole top or tenon. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly.

**980 FITTER-TL FOR QUICK & TOOL-LESS REMOVAL OF ACORN (OPTIONAL)**

The fitter shall be heavy wall cast aluminum, 319 alloy for high tensile strength. It shall have an 9 1/4" inside diameter opening to attach to the 8" neck of the acorn globe. It shall have a hinged, tool-less entry door that providing an open access to all of the components. The 980 shall have a terminal block for ease of wiring, an optional Roto-Lock Photocell receptacle, an optional Single Convenience outlet or Single GFIC outlet for auxiliary power needs. The top mounted ballast mounting plate shall be cast aluminum and provide tool-less removal from the housing using 2ea finger latches. When ordered with a Sternberg aluminum pole, the fitter shall be set screwed to the pole top or tenon. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly. The fitter shall have an aluminum die cast twist-lock mechanism for tool-less, 1/4 turn installation and removal of acorn. The acorn is provided with a die cast mating collar which is easily removed and reused if acorn replacement is ever performed.

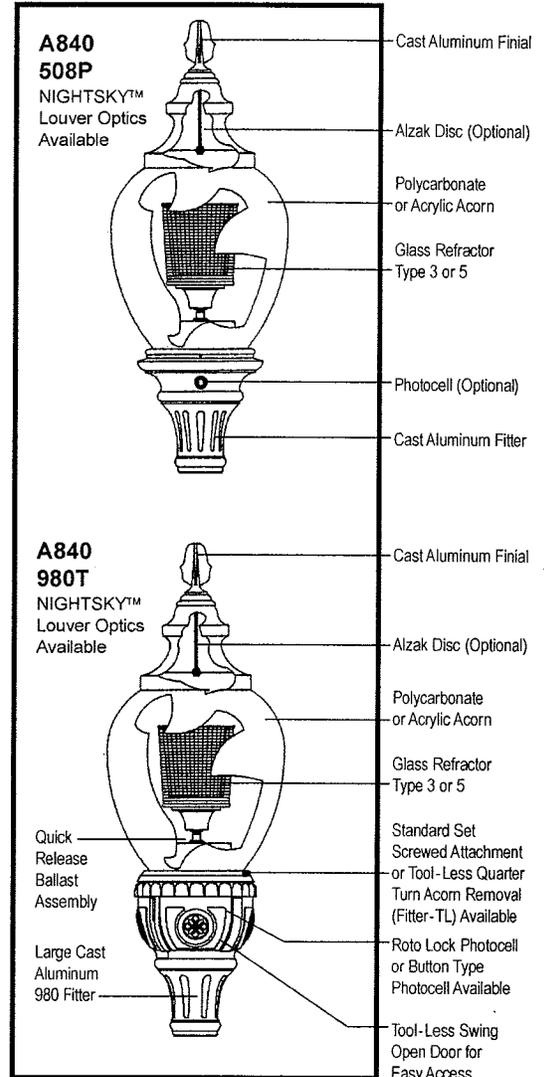
**BALLAST HOUSING**

The ballast housing shall be heavy wall cast aluminum, 319 alloy for high tensile strength. The housing shall be cast as an integral part of the fitter to prevent water entry into the ballast compartment and to ensure high capacity heat sinking of ballast temperatures, keeping the ballast cooler and ensuring long life. The ballast mounting plate shall be cast aluminum and provide tool-less removal from the housing using 2ea finger latches.

**ELECTRICAL**

Fixture shall be U.L. or E.T.L. listed. H.I.D. ballasts shall be high power factor with lamp starting

**LIST NO.  
A840 /A840SR  
OLD TOWN  
SERIES**

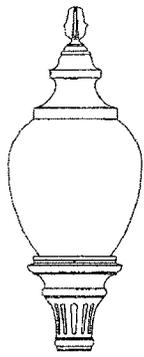
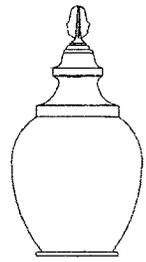
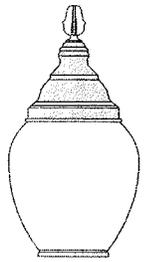
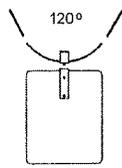
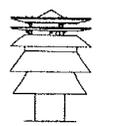
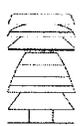


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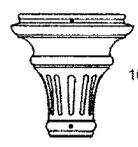
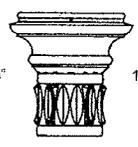
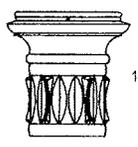
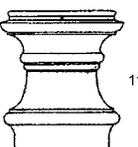
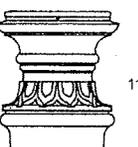
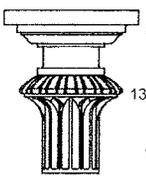
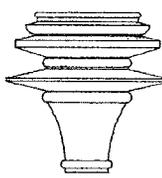
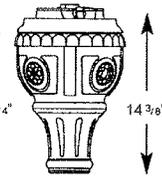
A840/A840SR OLD TOWN

ACORNS / FITTERS / ARMS PM - WB

ACORNS / OPTICAL SYSTEMS

 <p>14 1/4" W 37 3/4"</p>	 <p>14 1/4" W 27 3/4"</p>	 <p>14 1/4" W 27 3/4"</p>	 <p>14 3/4" W 27 3/4"</p>	 <p>Alzak Disc RE3G RE5G Refractor</p>	 <p>120° HSS House Side Shield</p>	 <p>LO3-S LO5-S Louver Optics</p>	 <p>LO3 LO5 Louver Optics</p>
	<p><b>A840</b> Polycarbonate <b>A840A</b> Acrylic</p>	<p><b>A840-SR</b> Polycarbonate <b>A840-ASR</b> Acrylic</p>	<p><b>PBDR Option</b> Perforated Brass Decorative Ring</p>				

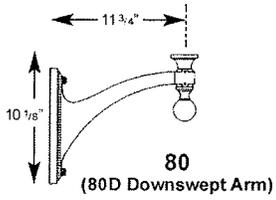
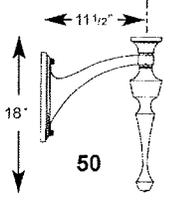
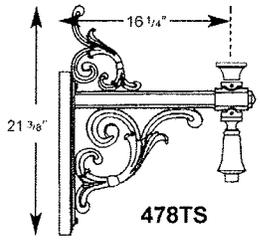
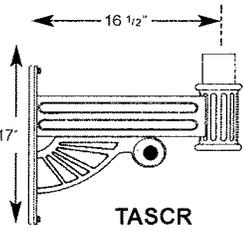
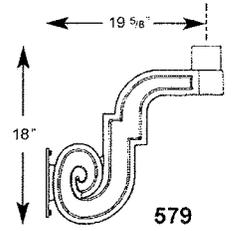
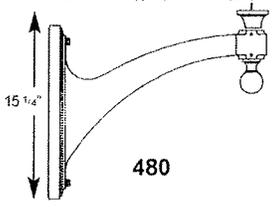
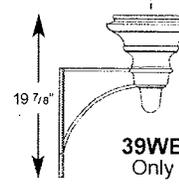
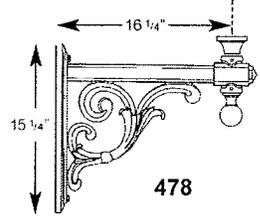
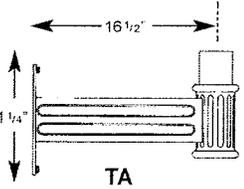
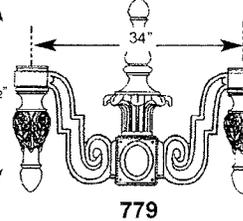
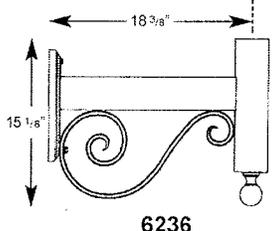
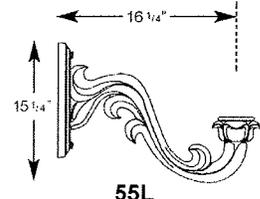
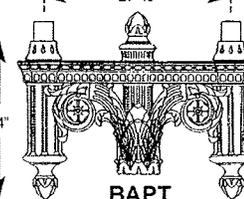
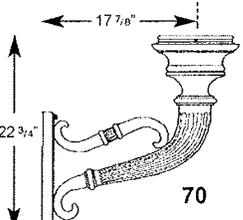
FITTERS

 <p>10 1/8" W 10 1/8"</p>	 <p>10 1/8" W 10 1/8"</p>	 <p>10 1/8" W 10 1/8"</p>	 <p>10 1/8" W 10 1/4"</p>	 <p>10 1/8" W 11 3/4"</p>	 <p>9 3/4" W 13 3/4"</p>	 <p>10 1/8" W 14 1/4"</p>	 <p>9 3/4" W 14 3/8"</p>
<p><b>5P or 5T*</b> <b>(508)</b> Fits 3" poles or tenons and arms below</p>	<p><b>BD4</b> <b>(508BD4)</b> Fits 4" poles or tenons</p>	<p><b>BD5</b> <b>(508BD5)</b> Fits 5" poles or tenons</p>	<p><b>B7</b> <b>(508B7)</b> Fits 7" poles or tenons</p>	<p><b>BD7</b> <b>(508BD7)</b> Fits 7" poles or tenons</p>	<p><b>7 or 7T*</b> <b>(708)</b> Fits 4" poles or tenons - 3" with adapter &amp; large arms</p>	<p><b>588</b> <b>(ART DECO 1)</b> Fits 3" poles or tenons and arms below</p>	<p><b>9 or 9T*</b> <b>(980)</b> Fits 3" poles or tenons and large arms</p>

\*Twist Lock Acorn (Fitter TL)

ARMS - POST MOUNT (PM) or WALL BRACKETS (WB)

See Arms Section for more information

 <p>11 3/4" W 10 1/8" H <b>80</b> (80D Downswept Arm)</p>	 <p>11 1/2" W 18" H <b>50</b></p>	 <p>16 1/4" W 21 3/8" H <b>478TS</b></p>	 <p>16 1/2" W 17" H <b>TASC</b></p>	 <p>19 5/8" W 18" H <b>579</b></p>
 <p>17 3/4" W 15 1/4" H <b>480</b></p>	 <p>11 1/4" W 19 7/8" H <b>39WB</b> Only</p>	 <p>16 1/4" W 15 1/4" H <b>478</b></p>	 <p>16 1/2" W 11 1/4" H <b>TA</b></p>	 <p>34" W 31 1/2" H <b>779</b></p>
 <p>18 3/8" W 15 1/8" H <b>6236</b></p>	 <p>10 1/2" W 3" H <b>450PB</b></p>	 <p>16 1/4" W 15 1/4" H <b>55L</b></p>	 <p>27 1/2" W 24" H <b>BAPT</b></p>	 <p>17 7/8" W 22 3/4" H <b>70</b></p>

# BUILDING A PART NUMBER

## POST & ARM FIXTURES

ARM MOUNTED FIXTURE	CENTER POST TOP FIXTURE (PT)	POST	POST CAP	LIGHT SOURCE BALLAST	OPTICS	OPTIONS	FINISH
NO. OF ARMS	ACORN / FITTER / POSTARM	ACORN / FITTER	(See Post Section)	WATTS / TYPE / VOLTS			
2	A840/5P/50PM	A840/5P PT	4212FP4	100 HPS120	RE5G	PEC1/QR	BK

## WALL FIXTURES

ACORN / FITTER / WALLBRACKET	LIGHT SOURCE BALLAST	OPTICS	OPTIONS	FINISH	
A840/5P/50WB	100 HPS120	RE5G	PEC1	BK	 <b>PIER FIXTURES</b> Uses same information boxes as wall fixture A840/5P/450PB ACORN / FITTER / PIER BASE

## PART NUMBER SELECTIONS

### ACORNS<sup>4</sup>

- A840
- A840A
- A840SR
- A840ASR

### FITTERS

- 5P
- 5T
- 7
- 7T
- 9
- 9T
- BD4
- BD5
- BD7
- B7
- 588

### OPTICS

- RE3G
- RE5G
- ALZAK
- HSS
- LO3-S<sup>6</sup>
- LO5-S<sup>6</sup>
- LO3<sup>7</sup>
- LO5<sup>7</sup>

### POST ARMS

- 50PM
- 50DPM
- 478PM
- 70PM
- 80PM
- 80DPM
- 480PM
- 55PM
- 6236PM
- 579PT
- TAPT
- TASCRIPT
- BAPT

### VOLTAGES

- 120
- 208
- 240
- 277
- 480
- MULTI  
(120 - 277)

### WALL BRACKET ARMS

- 50WB
- 50DWB
- 78WB
- 478WB
- 478TSWB
- 70WB
- 80WB
- 80DWB
- 480WB
- 480DWB
- 55WB
- 55LWB
- 6236WB
- 579WB
- TAWB
- TASCROWB
- 39WB

### PIER BASE

- 450PB

### BALLASTS

- 35HPS<sup>1</sup>
- 50HPS<sup>2</sup>
- 70HPS
- 100HPS
- 150HPS
- 50MH
- 70MH
- 100MH
- 150MH
- 175MH
- 26PLT
- 32PLT
- 42PLT
- INCAND
- QL55\*
- QL85\*
- QL165\*

\*Consult factory for specification details

### LAMPS<sup>5</sup>

- HPS35/MED
- HPS50/MED
- HPS70/MED
- HPS100/MED
- HPS150/MED
- MH50/MED
- MH70/MED
- MH100/MED
- MH150/MED
- MH175/MED
- PLT26
- PLT32
- PLT42

### OPTIONS

- PBDR<sup>3</sup> Perforated Brass Decorative Ring
- PEC1 Photocell-Bimetal 120 Volt
- PEC2 Photocell-Bimetal 208-277 Volt
- PEC1-E Photocell-Electronic 120 Volt
- PEC2-E Photocell-Electronic 208-277 Volt
- R Receptacle only for Rotolock Photo Cell
- R1 Rotolock Photo Cell 120-277 Volt
- G GFI 15 Amp for 980
- S Single Convenience 15 Amp Outlet for 980
- FHS Single Fuse and Holder-120, 277 Volt
- FHD Dual Fuse and Holder-208, 240, 480 Volt
- QR Quartz Re-Strike
- PF Pineapple Finial or Font (TA, TASCRT)
- BF Ball Finial or Font (TA, TASCRT)
- LAMPS Select from list

### FINISHES STANDARD

- BK Black
- VG Verde Green
- PG Park Green
- ABZ Arch Med Bronze
- SI Swedish Iron
- DB Dark Bronze

### FINISHES CUSTOM

- WH White
- RT Rust
- CM Custom Match
- OI Old Iron
- TT Two Tone

#### NOTES:

- <sup>1</sup>35HPS is 120 volt only.
- <sup>2</sup>50HPS available as 120 or 277 volt only. Other are special order.
- <sup>3</sup>Standard is polished. If painted specify PBDR-P.
- <sup>4</sup>White polycarbonate acorns are available specify WP after acorn number.

- <sup>5</sup>Standard is clear, for coated HID lamps add C (MH70/C/MED). Medium base sockets standard with ballasts up to 175 watts. Mercury vapor ballasts are available.
- <sup>6</sup>Medium base only (ED17).
- <sup>7</sup>Medium or mogul base lamp.

## A840 / A840SR OLD TOWN SERIES

## SPECIFICATIONS

**LIST NO.**  
**A840 / A840SR**  
**OLD TOWN**  
**SERIES**

down to -30 degrees C. Medium base and mogul base porcelain sockets are 4KV rated. The ballast/socket assembly shall be pre-wired when ballast is located in the fitter. All compact fluorescent (PL) ballasts shall be instant start electronic with a starting temperature of down to 0 degrees F. They shall have a 4-pin socket to accept quad or triple tube lamps.

#### ACORN GLOBE

The acorn globe shall be 14 1/4" in diameter and 27 3/4" tall with an 8" diameter neck. It will be made of vandal resistant clear textured polycarbonate or dent resistant (DR) clear textured acrylic. White textured polycarbonate is also available. The acorn globe is available in a solid roof (A840SR) for added distinction and reduced up-light. The solid roof will be made of spun aluminum and securely affixed to the top of the acorn. The optional perforated brass decorative ring (PBDR) is available in polished brass or painted finish. The 2 1/4" wide brass filigree allows light transfer through the decorative openings.

#### OPTICAL OPTIONS

**Refractors** shall be 6" diameter borosilicate glass with an I.E.S. Type 3 or 5 distribution. It shall be secured to the socket stem with 3/8" plated steel threaded pipe nipple and rest on a cast aluminum holder with anti-shock gasket. The refractor will be secured to cast holder with a quarter-turn internal aluminum twist ring for ease of maintenance. The optional **Alzak disk** is an optical shield to help direct light downward. It shall be 7" diameter and made of specular reflective aluminum and mounted directly above lamp. The **NIGHTSKY™ OPTI-SHIELD™ Louver Optic System** (LO or LO-S) shall be a multi tier reflector with 7" diameter rings to produce an I.E.S. Cut-off Type 3 or 5 distribution. The Louver Optic System shall be made of highly specular anodized aluminum and shall come standard with medium base socket. **House Side Shields** (HSS) will block 120 of light in any one direction.

#### QUARTZ RE-STRIKE

The A840 fixture can be supplied with an optional quartz re-strike system to retain constant fixture light if the H.I.D. lamp fails. The fixture will be equipped with a 100 watt quartz lamp and a controller to run on a 120 volt circuit and must be used in conjunction with a 120 volt or multi-tap ballast.

#### PHOTOCELLS

Photocells shall be either the thermo bi-metal button type or the electronic button type. On single post top fixtures the photocell shall be mounted in the fitter and pre-wired to ballast. On multiple head fixture assemblies photocells shall be mounted in the pole shaft on an access plate and are not pre-wired as ballast housing assemblies and fitters are packaged separately for ease of wiring to source. The thermo bi-metal photocell shall be designed to turn on at 1.0 footcandle and turn off at not more than 5 footcandles. The electronic button type photocell is instant on and a 5-10 second turn off and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocells are either 120 volt or 208 thru 277 volt.

#### ARMS

All arms are made of cast aluminum and/or extruded aluminum. Arms with decorative filigree have meticulously detailed scroll work and gracefully curved brackets. A840 fixtures will have its fitter welded or mechanically attached to the arm at the factory to ensure arms will be plumb, secure and level over the life of the installation. Each arm shall be bolted to a post mount adapter, which is welded to the pole to ensure proper alignment to the base. TA and 579 arms will be attached to a decorative center hub which will slip-fit the center tenon of the pole. Arms are pre-wired for ease of installation.

#### FINISH

Prior to coating, each assembly shall be chemically cleaned and etched in a 5-stage washing system which includes alkaline cleaning, rinsing, phosphoric etching, reverse osmosis water rinsing, and non-chrome sealing to ensure corrosion resistance and excellent adhesion for the finish coating. The finish coating shall be electrostatically applied semi-gloss, super durable polyester powder baked at 400 degrees for a durable and superior, color retentive finish. Our optional antique Verde Green finish and Swedish Iron finish are hand brushed using a 3-step process. The total assembly shall be wrapped in shockproof wrapping or fully enclosed in corrugated cartons.

#### WARRANTY

Five-year limited warranty. See product and finish warranty guide for details.



**STERNBERG**  
 LIGHTING

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Email: info@sternberglighting.com 5-06

**5400 HAMILTON SERIES**

**SPECIFICATIONS**

**GENERAL**

The \_\_\_\_ ft tall\* decorative post shall be aluminum, one-piece construction. The 22" hexagonal cast aluminum, ornamentally pleated base shall be constructed with a \_\_\_\_ inch diameter aluminum shaft. The model shall be Sternberg Lighting #5400 or #5400R for candy cane poles.

**CONSTRUCTION**

The base shall have a hexagonal lower section and designed with a pleated and sculptured upper section terminated with a decorative ring and be made of heavy wall, 356 alloy cast aluminum. It shall have a 1" thick floor cast as an integral part of the base.

\_\_\_\_ The **smooth tapered shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

\_\_\_\_ The **smooth straight shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

\_\_\_\_ The **straight fluted shaft** shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition. It shall have a decorative fluted 3" O.D. tenon.

\_\_\_\_ The **cast tapered fluted shaft** shall be made of heavy wall, 319 alloy cast aluminum.

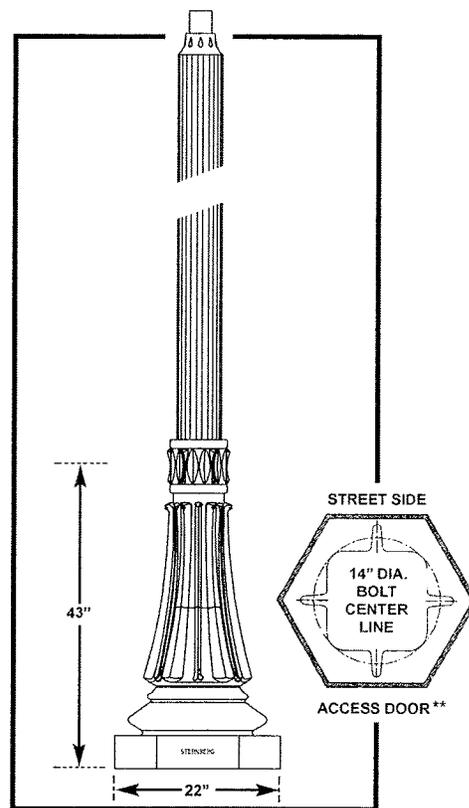
\_\_\_\_ The **extruded tapered fluted shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition. The shaft shall be double circumferentially welded internally and externally to the base for added strength.

\_\_\_\_ The **smooth straight shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

**INSTALLATION**

Four, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage. A door shall be provided for wiring and anchor bolt access. It shall be secured with tamper proof, stainless steel hardware. Post will be provided with a grounding stud mounted on the base floor opposite the access door.

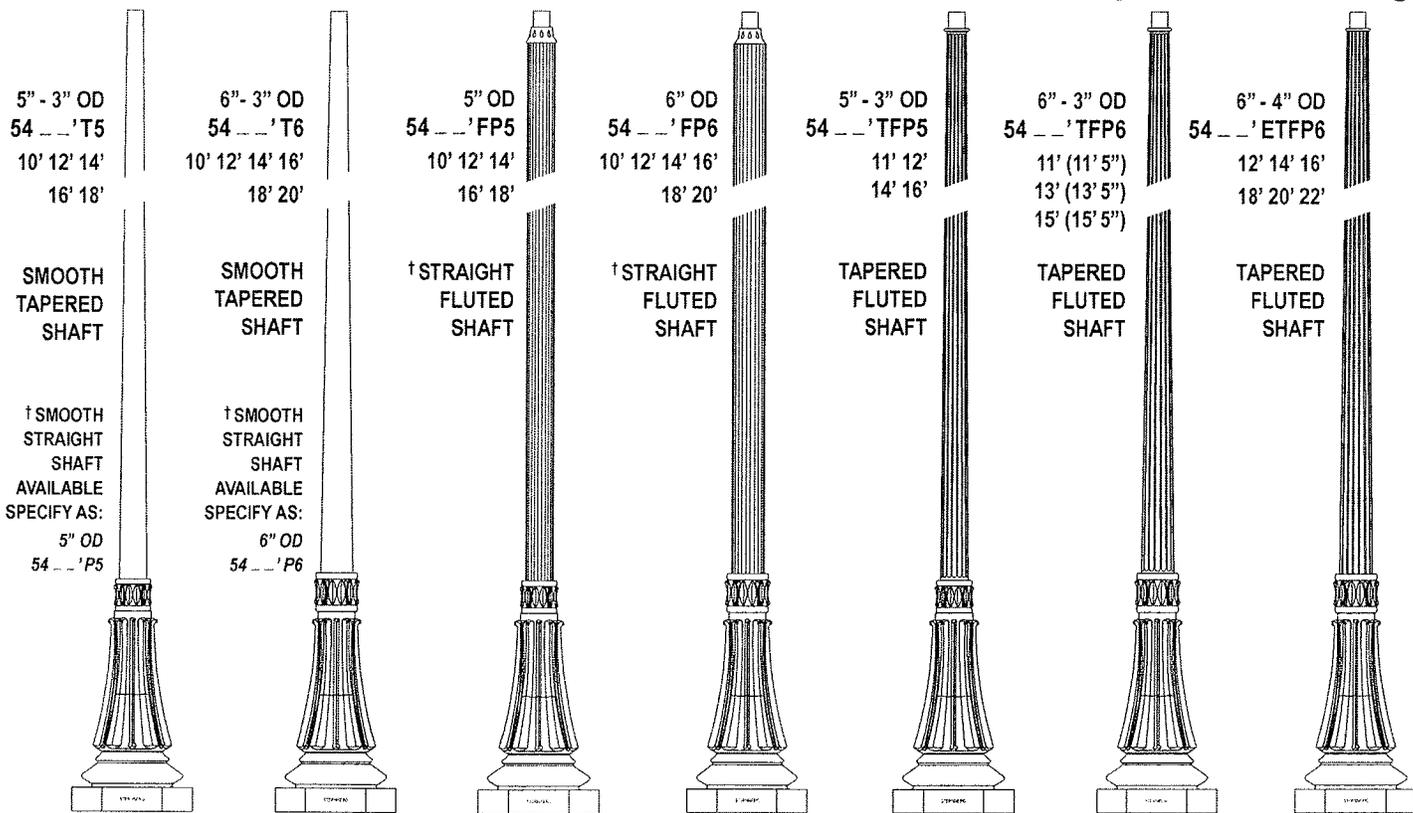
Indicate the type of shaft needed (above)



\*\* See installation template for exact door position. Bolt circle dimensions may change on taller poles.

**Cast Aluminum-Extruded Poles**

**22" Hexagonal Base x 43" High**



\* For candy cane poles insert \_\_\_\_ AQ ft (feet - above grade height). See diagram on reverse side.

† Tenon not supplied if fixture or arm slips shaft O.D.

**BUILDING A PART NUMBER**

**Straight Poles**

MODEL / HEIGHT / SHAFT	POST CAP CENTER	OPTIONS	FINISH
54 18 FP5	BCC	FH	BK

**Candy Cane Poles**

MODEL / HEIGHT / SHAFT	HEIGHT ABOVE GRADE	OPTIONS	FINISH
54 00 RT5	18 AG		BK

**Part Number Selections**

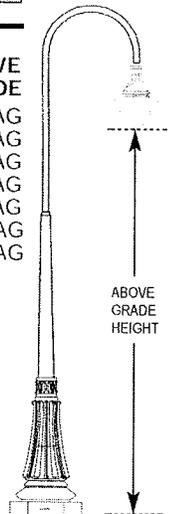
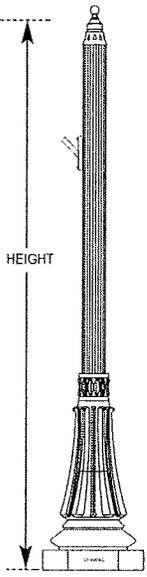
MODEL	HEIGHT	SHAFT†
• 54	• 10' • 11' • 12' • 13' • 14' • 15' • 16' • 18' • 20' • 22'	• T5: 5"-3" Tapered Smooth • T6: 6"-3" Tapered Smooth • FP5: 5" Straight Fluted • FP6: 6" Straight Fluted • TFP5: 5"-3" Tapered Fluted* • TFP6: 6"-3" Tapered Fluted** • ETFP6: 6"-4" Tapered Fluted • P5: 5" Straight Smooth • P6: 6" Straight Smooth

- OPTIONS AVAILABLE**
- SCO
  - DCO
  - GFI
  - SCO/GFB
  - FH
  - SBA
  - DBA
  - SBAR
  - DSPA
  - DHPA
  - PA478
  - PCD
  - SH
  - SB
  - WHK
  - DB Direct Burial
  - HB Helix Burial

**Part Number Selections**

MODEL	HEIGHT	SHAFT†	ABOVE GRADE
• 54	• 00	• RT5: 5"-3" Tapered Smooth • RT6: 6"-3" Tapered Smooth • RFP5: 5" Straight Fluted • RFP6: 6" Straight Fluted • RTFP5: 5"-3" Tapered Fluted* • RTFP6: 6"-3" Tapered Fluted** • RETFP6: 6"-4" Tapered Fluted • RP5: 5" Straight Smooth • RP6: 6" Straight Smooth	• 10' AG • 12' AG • 14' AG • 16' AG • 18' AG • 20' AG • 22' AG

- FINISHES STANDARD**
- BK Black
  - VG Verde Green
  - PG Park Green
  - ABZ Arch Med Bronze
  - SI Swedish Iron
  - DB Dark Bronze
- FINISHES CUSTOM**
- WH White
  - RT Rust
  - CM Custom Match
  - OI Old Iron
  - TT Two Tone



**OPTIONS AVAILABLE**

See Accessories Section for more options and information

<b>SCO</b> - Single Convenience Outlet mounts in the pole <b>DCO</b> - Double Convenience Outlet mounts in the pole <b>GFI</b> - Ground Fault Interrupter mounts in the pole <b>SCO/GFB</b> - SCO Mounts on pole, with Ground Fault Breaker <i>inside</i> base <b>FH</b> - Flag Pole Holder mounts on the pole	<b>SBA</b> - Single Banner Arm mounts on the pole <b>DBA</b> - Double Banner Arms mount on same side of the pole <b>SBAR</b> - Single Banner Arm and Ring <b>DSPA</b> - Double Stepped Planter Arms mount on either side <b>DHPA</b> - Double Hooked Planter Arms mount on either side <b>PA478</b> - Decorative Planter Arms with planter rings	<b>PCD</b> - Photo Control mounts on door on pole <b>SH</b> - Speaker Hub for mounting speaker, floodlight or signal <b>SB</b> - Sign Bracket mounts on pole to hold signs <b>WHK</b> - Wreath Hook mounts on pole to hold decorations
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**POST CENTER CAPS (If Required)**

<b>BCC</b> - Ball Center Cap	<b>SCC</b> - Spiked Center Cap	<b>SSCC</b> - Side Spiked Center Cap
<b>FCC</b> - Finial Center Cap	<b>TFCC</b> - Tall Finial Center Cap	