CITY OF TROY
SPECIAL USE REQUEST APPLICATION

CITY OF TROY PLANNING DEPARTMENT
500 W. BIG BEAVER
TROY, MICHIGAN 48084
PHONE: 248-524-3364
FAX: 248-524-3382
E-MAIL: planning@troymi.gov

SPECIAL USE APPROVAL FEE
$1,800.00

ESCROW FEE
$1,500.00

REGULAR MEETINGS OF THE CITY PLANNING COMMISSION ARE HELD ON THE SECOND AND FOURTH TUESDAYS OF EACH MONTH AT 7:00 P.M. AT CITY HALL.

APPLICATIONS FOR SPECIAL USE APPROVALS REQUIRING THE SUBMITTAL OF A SITE PLAN SHALL CONFORM TO THE REQUIREMENTS OF THE TROY ZONING ORDINANCE.

A PLANNING COMMISSION PUBLIC HEARING SHALL BE SCHEDULED FOLLOWING A DETERMINATION BY THE PLANNING DEPARTMENT THAT THE SPECIAL USE REQUEST APPLICATION IS COMPLETE AND MEETS THE REQUIREMENTS OF THE TROY ZONING ORDINANCE.

---

1. NAME OF THE PROPOSED DEVELOPMENT: FIFTH THIRD BANK ATM
2. ADDRESS OF THE SUBJECT PROPERTY: TO BE ASSIGNED
3. ZONING CLASSIFICATION OF SUBJECT PROPERTY: CB - COMMUNITY BUSINESS
4. TAX IDENTIFICATION NUMBER(S) OF SUBJECT PROPERTY: _____
5. DESCRIPTION OF PROPOSED USE: INSTALL A NEW FREE-STANDING ATM & CANOPY ON A NEW CONCRETE PAD IN THE EXISTING PARKING LOT.
6. SECTION OF THE ZONING ORDINANCE UNDER WHICH SPECIAL USE APPROVAL IS SOUGHT: _____
7. APPLICANT:
   NAME GERALD G. WEBER
   COMPANY GERALD G. WEBER, ARCHITECT
   ADDRESS 13711 MADISON AVE
   CITY LAKEWOOD STATE OH ZIP 44107
   TELEPHONE 216.226.6009
   E-MAIL GWEBER@WEBERARCHITECTURE.COM

   PROPERTY OWNER:
   NAME URBANCAL OAKLAND PLAZA, LLC
   COMPANY URBAN RETAIL PROPERTIES, LLC
   ADDRESS 111 EAST WACKER DRIVE
   CITY CHICAGO STATE IL ZIP 60601
   TELEPHONE 312-915-2535
   E-MAIL MCCARTHYJ@URBANRETAIL.COM
8. THE APPLICANT BEARS THE FOLLOWING RELATIONSHIP TO THE OWNER OF THE SUBJECT PROPERTY:
   AGENT FOR FIFTH THIRD BANK, LESSEE TO THE OWNER
9. **SIGNATURE OF APPLICANT** _____ DATE 2/12/13
10. **SIGNATURE OF PROPERTY OWNER** _____ DATE 2/7/13

BY THIS SIGNATURE, THE PROPERTY OWNER AUTHORIZES THE PLACEMENT OF A SIGN ON THE PROPERTY TO INFORM THE PUBLIC OF THE REQUEST FOR SPECIAL USE APPROVAL.

Fifth Third Bank, Oakland Plaza

City of Troy Planning Department

592 0 296 592 Feet

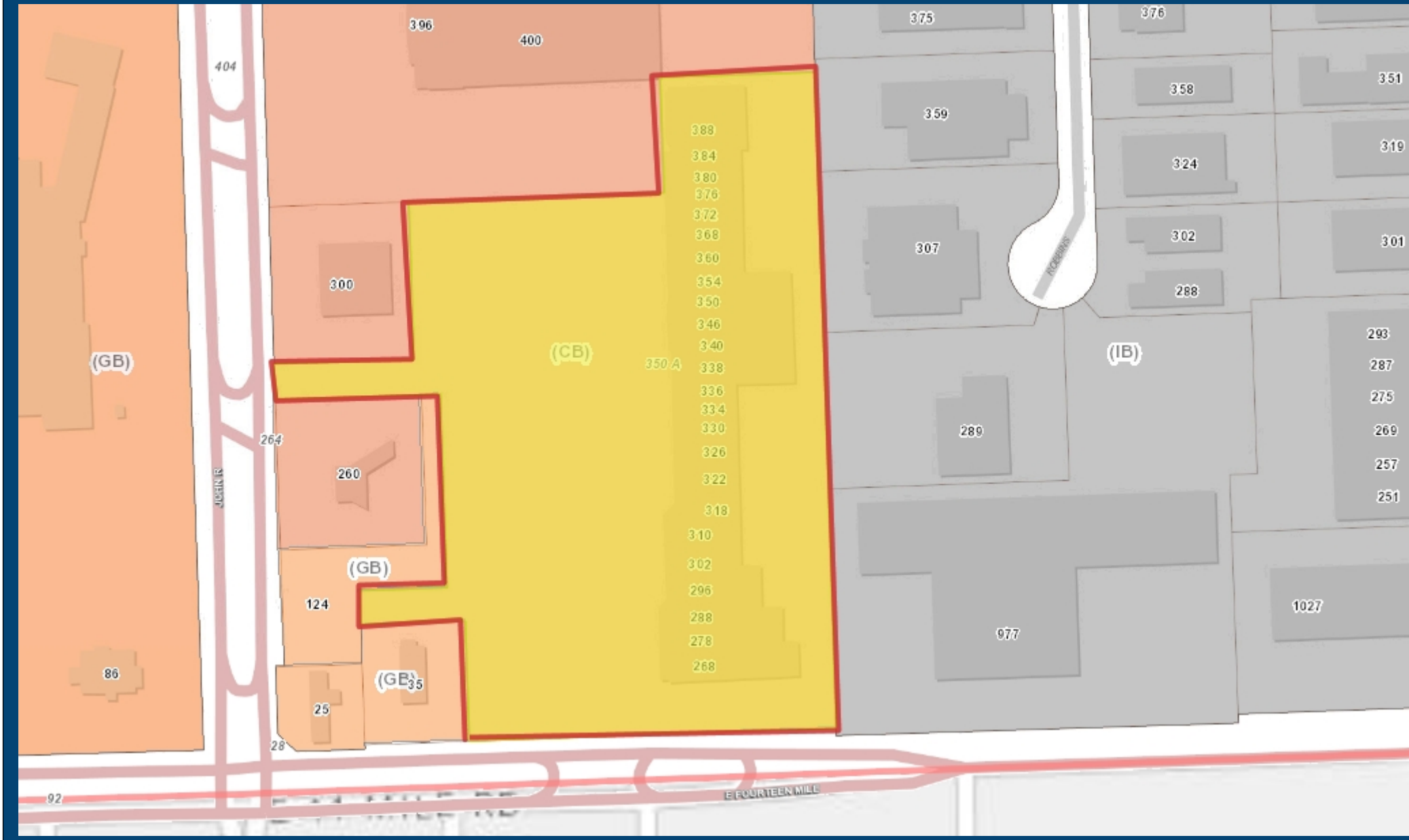
Scale 1: 3,554

Note: The information provided by this application has been compiled from recorded deeds, plats, tax maps, surveys, and other public records and data. It is not a legally recorded map survey. Users of this data are hereby notified that the source information represented should be consulted for verification.

Printed: 3/5/2013

Fifth Third Bank, Oakland Plaza

City of Troy Planning Department



592 0 296 592 Feet

Scale 1: 3,554

Note: The information provided by this application has been compiled from recorded deeds, plats, tax maps, surveys, and other public records and data. It is not a legally recorded map survey. Users of this data are hereby notified that the source information represented should be consulted for verification.

Printed: 3/5/2013

ATM Relocation

FOR:

Fifth Third Bank

XTEM OAKLAND PLAZA ATM

North East Corner 14 Mile and John R
Troy, Michigan
48083

CONTACTS:

Owner
Fifth Third Bank
38 Fountain Square Plaza
Cincinnati, OH 45263
(616) 653-5561

Project Manager
Brad Athey
Optivia
3574 East Kemper Road
Cincinnati, Ohio 45241
513-554-8770

Architect:
Gerald G. Weber, Architect
13711 Madison Avenue
Lakewood, Ohio 44107
216-226-6009
Fax 216-521-2206

Tenant Coordinator
Erik Haugsnes
Vice President
111 East Wacker, Suite 2400
Chicago, IL 60601
(312) 915-3002 phone
(312) 915-3784 fax
haugsnee@urbanretail.com
As Agent for Owners:
URBANCAL OAKLAND PLAZA, LLC

INDEX OF DRAWINGS		11-19-12 Owner Review and Permit	12-26-12 Revised per Owner's Review	2-18-13 Planning Commission Submission						
T-1	TITLE SHEET	●	●	●						
C-1	LOCATION PLAN	●		●						
C-2	SITE PLAN	●	●	●						
C-3	ENLARGED SITE PLAN	●	●	●						
A-1	FLOOR PLAN	●		●						
A-2	BOLLARD PLAN	●		●						
A-3	SECTIONS AND ELEVATIONS	●		●						
E1	UTILITY PLAN	●	●	●						
E2	ELECTRICAL PLAN	●		●						
E3	ELECTRICAL DETAILS	●		●						
S-1	COUVRETTE CANOPY STRUCTURAL	●		●						
C-1 THRU 9	COUVRETTE CANOPY DRAWINGS	●								
ATM SPECIFICATION SHEETS (FOR REFERENCE ONLY)		●		●						
NEW CANOPY AND ATM ELEVATIONS (FOR REFERENCE ONLY)		●		●						

GENERAL NOTES

1. CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF MATERIAL DISCREPANCIES FOUND ON THE DRAWINGS OR ANY EXISTING CONDITIONS FOUND ON THE SITE WHICH CONFLICT WITH CONDITIONS AS SHOWN IN THE CONTRACT DOCUMENTS.

2. DRAWINGS ARE NOT TO BE SCALED. DIMENSIONS INDICATED ON DRAWINGS TAKE PRECEDENCE. LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.

3. THE CONTRACTOR SHALL PROVIDE A FULL TIME SUPERINTENDENT AT ALL TIMES WHEN WORK IS BEING PERFORMED.

4. THE ARCHITECT SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY CONTRACTOR.

5. THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. WHEN ON SITE, THE ARCHITECT & ENGINEER ARE RESPONSIBLE FOR HIS/HER OWN SAFETY BUT HAS NO RESPONSIBILITY FOR THE SAFETY OF OTHER PERSONNEL OR SAFETY CONDITIONS AT THE SITE.

6. CONTRACTOR TO VERIFY ALL DIMENSIONS AND INFORMATION IN THESE DRAWINGS, CONTRACTOR IS TO COMPLY WITH ALL EXISTING CONDITIONS. ALL ERRORS, OMISSIONS AND INCONSISTENCIES ARE TO BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. FAILURE TO DO SO WILL RELEASE THE ARCHITECT & ENGINEERS OF ANY REPSONSIBILITY. ANY CHANGE FROM THESE DOCUMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THESE DRAWINGS ARE NOT TO BE SCALED. IF INSUFFICIENT INFORMATION EXISTS, CONTACT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

7. CONTRACTOR IS TO COMPLY WITH ALL CODES AND SAFETY REGULATIONS.

8. ATM AND CANOPY WILL BE SUPPLIED BY DEDICATED POWER AND TELEPHONE.

CONSTRUCTION DOCUMENTS AS INSTRUMENTS OF SERVICE ARE GIVEN IN CONFIDENCE AND REMAIN THE PROPERTY OF FIFTH THIRD BANK. THE USE OF THESE CONSTRUCTION DOCUMENTS FOR PURPOSES OTHER THAN THE SPECIFIC PROJECT NAMED HEREIN IS STRICTLY PROHIBITED.

FIFTH THIRD BANK AND WEBER ARCHITECTURE ARE NOT RESPONSIBLE FOR ANY ALTERATIONS OR MODIFICATIONS MADE TO THESE DRAWINGS BY OTHERS.

NOTE:
THE CONTRACTOR IS RESPONSIBLE FOR FIELD MEASUREMENTS AND VERIFICATION OF ALL EXISTING CONDITIONS. DRAWINGS MAY NOT REPRESENT THE EXACT SIZE OR DIMENSION OF EXISTING CONDITIONS.

Date:	Issued For:
11-19-12	Owner's Review and Permit
12-26-12	Revised per Owner's Review
2-18-13	Planning Commission Submission

STATE OF MICHIGAN
GERALD G. WEBER
ARCHITECT
No. 36284
LICENSED ARCHITECT

GERALD G.WEBER
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FAX 216.521.2206

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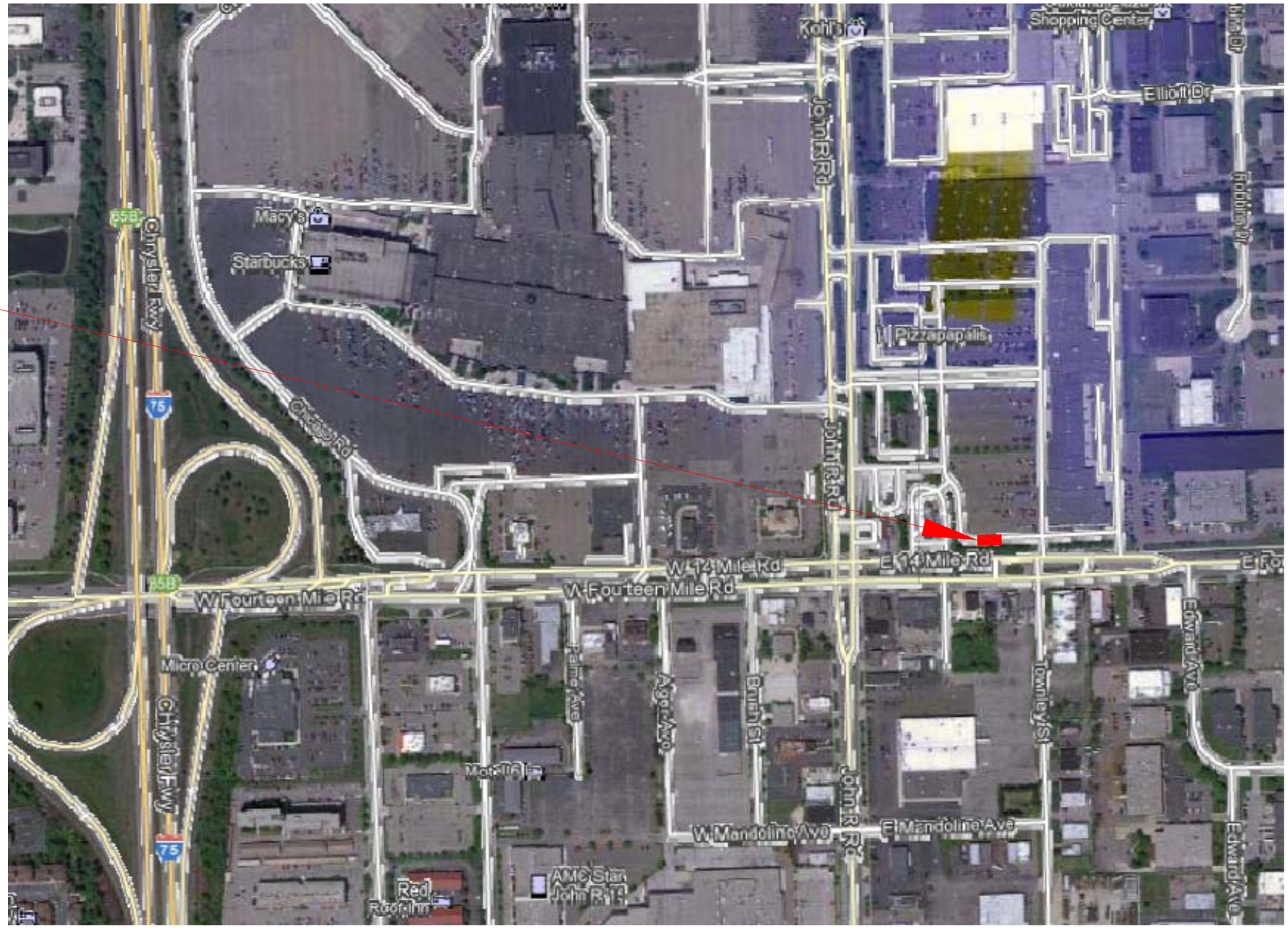
Project:

Fifth Third Bank
XTEM Oakland Plaza
ATM Relocation
14 Mile and John R
Troy, MI

Drawing Name:
Title

Project No: 12046
Drawing No: T1

SITE



LOCATION PLAN

SCALE: NONE

NORTH

Date:	Issued For:
11-19-12	Owner's Review and Permit
12-26-12	Revised per Owner's Review
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Project:

Fifth Third Bank
XTEM Oakland Plaza
ATM Relocation
14 Mile and John R
Troy, MI

Drawing Name:
Location Plan

Project No: *12046*
Drawing No: *C-1*

LOCATION OF NEW CONCRETE ISLAND FOR PROPOSED ATM.

1. EXISTING PAVEMENT TO REMAIN.

2. NEW CONCRETE PAVEMENT , SEE DETAIL SHEET A-1. SLOPE PAVEMENT TO MEET ADJACENT EXISTING GRADES.

3. PATCH AND REPAIR ALL PAVEMENT DISTURBED BY CONSTRUCTION TO MATCH EXISTING GRADE AND THICKNESS.

   CONTACT THE LOCAL UNDERGROUND UTILITY LOCATING COMPANY PRIOR TO THE START OF ANY EXCAVATION, TRENCHING, OR DIRECTIONAL BORING, TO VERIFY NO EXISTING UTILITIES OR SERVICES ARE DISRUPTED AS PART OF THIS PROJECT.

SITE PLAN

SCALE: 1" = 20'-0"

NORTH

Date:	Issued For:
11-19-12	Owner's Review and Permit
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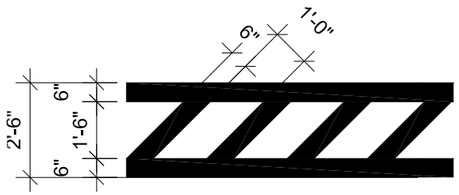
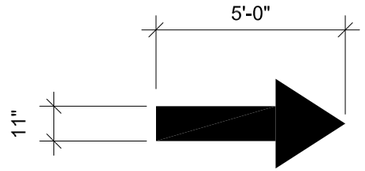
Project:

Fifth Third Bank
XTEM Oakland Plaza
ATM Relocation
14 mile and John R
Troy, MI

Drawing Name:
Site Plan

Project No: 12046
Drawing No: C-2





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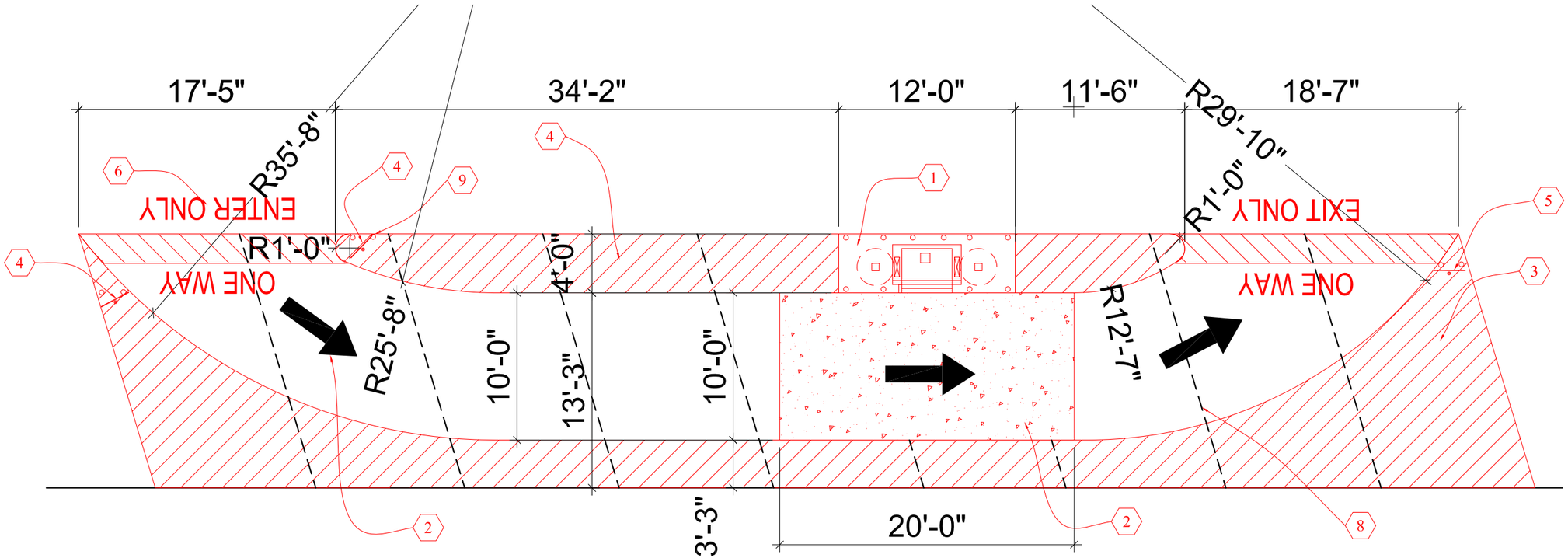
2-18-13	Planning Commission Submission

PAVEMENT STRIPING

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

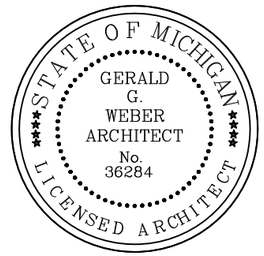


SITE PLAN

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

NORTH

1. CONCRETE ISLAND WITH NEW ATM, SURROUND, AND CANOPY.
2. NEW CONCRETE DRIVE, SEE SHEET A-1 FOR NOTES.
3. ARROWS AND PAVEMENT STRIPING, ORANGE/YELLOW, 6" LINES.
4. SIGN ON 72" POLE: ENTRANCE ONLY ONE WAY TRAFFIC.
5. SIGN ON 72" POLE: EXIT ONLY/ONE WAY TRAFFIC.
6. 18" PAVEMENT LETTERS:ONE WAY/ENTER, ORANGE/YELLOW.
7. 18" PAVEMENT LETTERS: ONE WAY/EXIT ONLY, ORANGE/YELLOW.
8. PAINT EXISTING PARKING STRIPING BLACK TO MATCH EXISTING ASPHALT PAVEMENT.
9. 4" Ø CONCRETE STEEL PIPE BOLLARD, WITH GRAY PLASTIC COVER. TWO (2) TO BE LOCATED AT EACH SIGN, TYPICAL FOR THREE (3) LOCATIONS. SEE DETAIL A-3.



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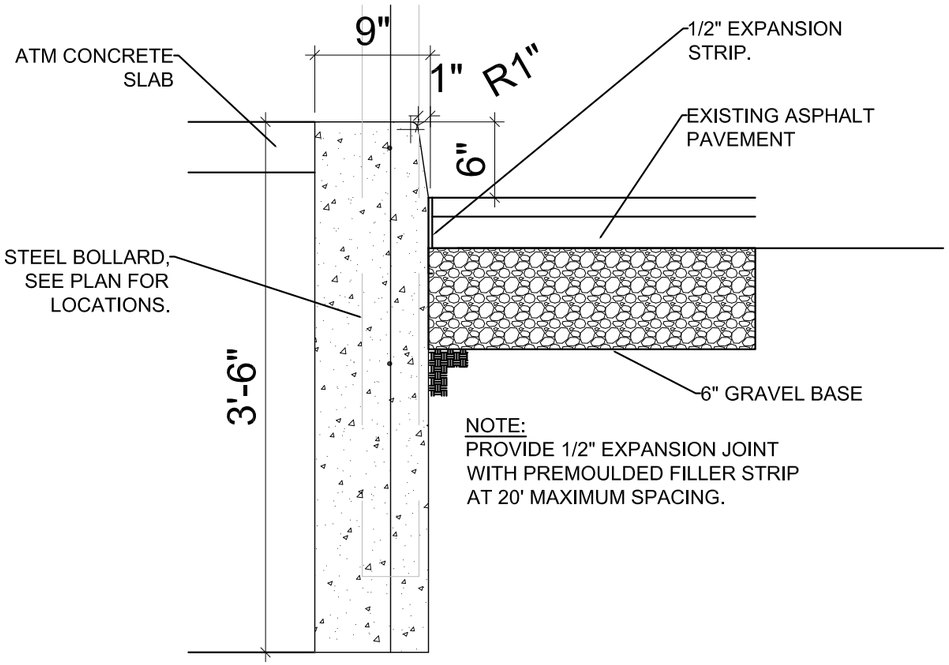
Project:

Fifth Third Bank XTEM Oakland Plaza ATM Relocation
14 Mile and John R
Troy, MI

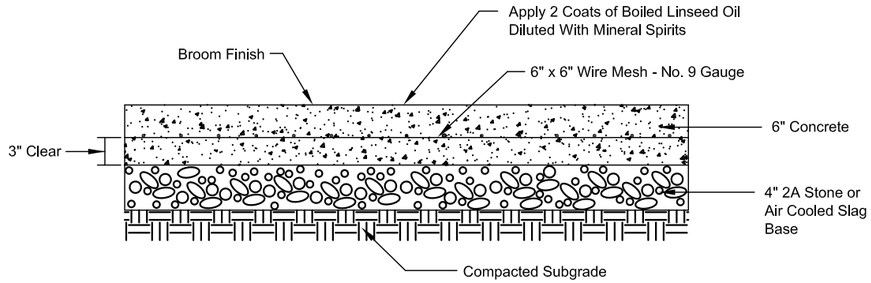
Drawing Name:
Enlarged Site Plan

Project No: ***12046***
Drawing No: ***C-3***



CONCRETE CURB AND PAVEMENT DETAIL

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



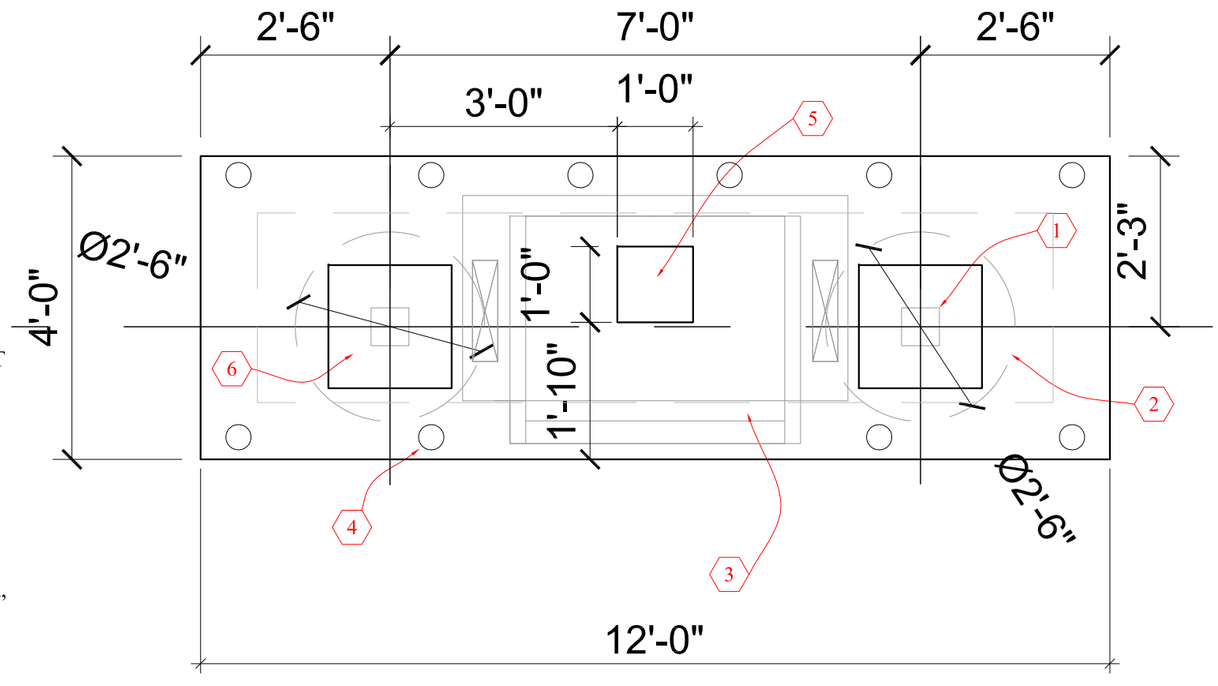
NOTE: A tooled construction joint shall be placed every 4' O.C.
An expansion joint shall be placed every 20' O.C.

6" CONCRETE DRIVE DETAIL

Not to Scale

1. STEEL POST FOR CANOPY.
2. LINE OF COLUMN FOOTING BELOW.
3. NCR ATM AND SURROUND BY OTHERS.
4. NEW 4" Ø CONCRETE FILLED STEEL PIPE BOLLARD WITH PLASTIC COVER, COLOR GRAY. TYPICAL FOR TEN (10) LOCATIONS. SEE SHEET A-2, BOLLARD PLAN.
5. ATM SURROUND FEED AREA, VERIFY EXACT LOCATION WITH ATM SURROUND MANUFACTURER.
6. BLOCKOUT AREA FOR CANOPY BASE PLATE. SEE CANOPY DETAILS.

NOTE:
CONTRACTOR TO COORDINATE ALL WORK WITH PROPERTY OWNER, FIFTH THIRD BANK, THE ATM SUPPLIER, AND THE CANOPY SUPPLIER.



PLAN

SCALE: 1/2"=1'-0"

NORTH

Date:	Issued For:
11-19-12	Owner's Review and Permit
2-18-13	Planning Commissio Submission

STATE OF MICHIGAN
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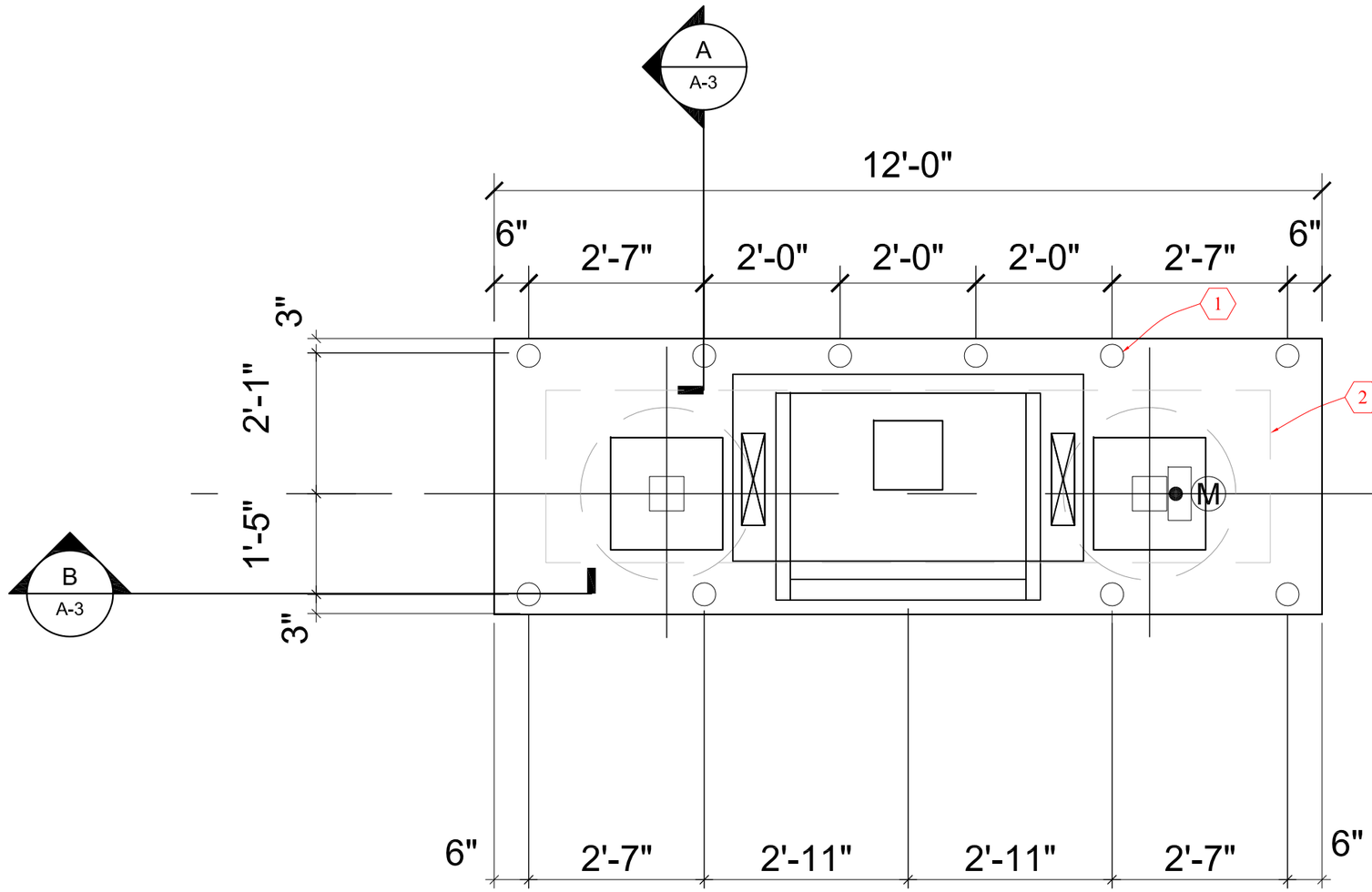
Project:
Fifth Third Bank
XTEM Oakland Plaza
ATM Relocation
14 Mile and John R
Troy, MI

Drawing Name:
Floor Plan

Project No: 12046
Drawing No: A-1



1. NEW 4" Ø CONCRETE FILLED STEEL PIPE BOLLARD WITH PLASTIC COVER, COLOR GRAY. TYPICAL FOR TEN (10) LOCATIONS.

2. INSIDE EDGE OF FOOTING

BOLLARD PLAN

SCALE: 1/2"=1'-0"

NORTH

Date:	*Issued For:*
11-19-12	Owner's Review and Permit
2-18-13	Planning Commission Submission

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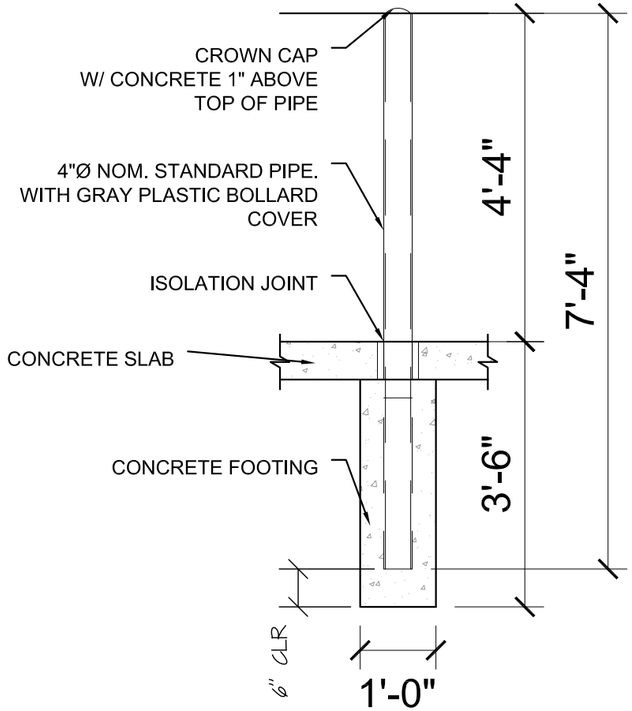
Project:

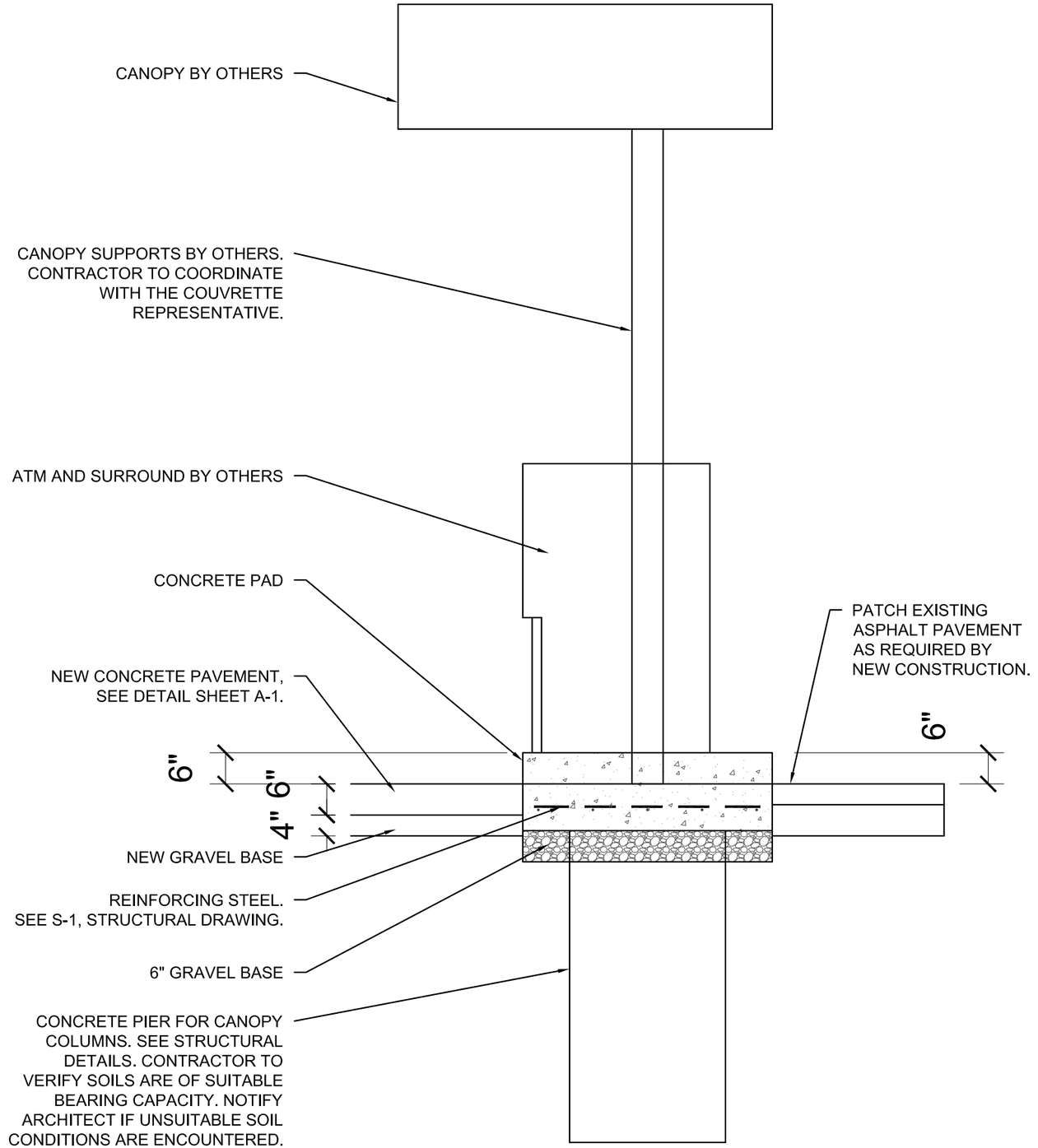
Fifth Third Bank
XTEM Oakland Plaza
ATM Relocation
14 Mile and John R
Troy, MI

Drawing Name:
Bollard Plan

Project No: ***12046***
Drawing No: ***A-2***



B Bollard Detail
Scale: 1/2" = 1'-0"



A Section
Scale: 1/2" = 1'-0"

Date:	Issued For:
11-19-12	Owner's Review and Permit
2-18-13	Planning Commission Submission

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Project:
Fifth Third Bank
XTEM Oakland Plaza
ATM Relocation
14 Mile and John R
Troy, MI

Drawing Name:
Sections

Project No: 12046
Drawing No: A-3

1. LOCATION OF NEW CONCRETE PAD FOR PROPOSED ATM.
2. INSTALL TWO (2) 2" CONDUITS, ONE (1) FOR POWER AND ONE (1) FOR DATA.
3. INSTALL NEW POWER AND DATA FOR ATM PER DIEBOLD SPECIFICATIONS. ATM TO BE ON A DEDICATED CIRCUIT.
4. ELECTRICAL WIRING, TYPES, SIZES, OCPD, CONDUIT...TO BE IN ACCORDANCE WITH NFPA 70, OBC 2701.1..
5. BORE FROM EXISTING POWER POLE TO ATM LOCATION,

UTILITY PLAN

SCALE: 1" = 40'-0"

NORTH

Date:	Issued For:
11-19-12	Owner's Review and Permit
12-26-12	Revised per Owner's Review
1-17-13	Revised per Power Company
2-18-13	Planning Commission Submission

STATE OF MICHIGAN
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Project:

Fifth Third Bank
XTEM Oakland Plaza
ATM Relocation
14 Mile and John R
Troy, MI

Drawing Name:
Utility Plan

Project No: 12046
Drawing No: E-1

1. INSTALL NEW 2" CONDUIT AND POWER FOR ATM PER DIEBOLD SPECIFICATIONS TO EXISTING POLE. VERIFY POWER REQUIREMENTS FROM EXISTING POLE, SEE SHEET E-1. METER TO BE MOUNTED ON CANOPY POST ON EXIT SIDE OF THE CANOPY.

2. CONTRACTOR TO COORDINATE WITH TELEPHONE COMPANY TO EXTEND LINES TO NEW ATM. CONTRACTOR TO INSTALL NEW 2" CONDUIT TO EXISTING POLE FOR TELEPHONE CONNECTION.

3. ELECTRICAL WIRING, TYPES, SIZES, OCPD, CONDUIT...TO BE IN ACCORDANCE WITH NFPA 70, OBC 2701.1.

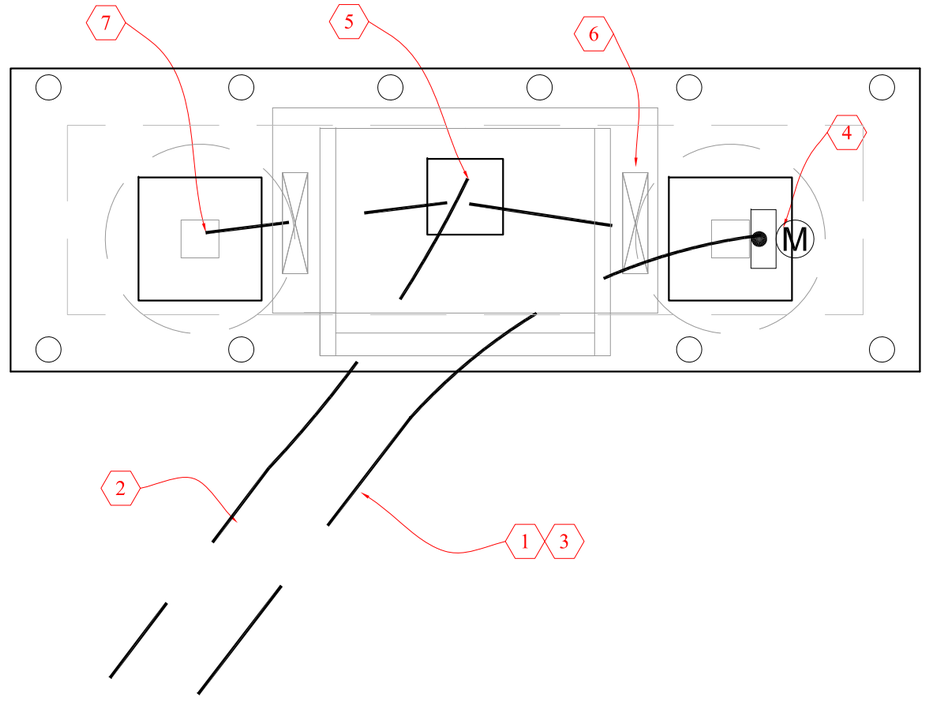
4. METER AND ELECTRICAL PANEL ON CANOPY POST AT EXIT SIDE OF CANOPY.

5. ATM FEED AREA, SEE ATM DRAWINGS.

6. ATM SURROUND FEED AREA, VERIFY EXACT LOCATION WITH ATM SURROUND MANUFACTURER.

7. CANOPY FEED THROUGH COLUMN.

NOTE:
CONTRACTOR TO COORDINATE ALL WORK WITH PROPERTY OWNER, FIFTH THIRD BANK, THE ATM SUPPLIER, AND THE CANOPY SUPPLIER. REFER TO COUVRETTE DRAWINGS FOR ADDITIONAL INFORMATION.



PLAN

SCALE: 1/2"=1'-0"

NORTH

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ATM Relocation
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Troy, MI

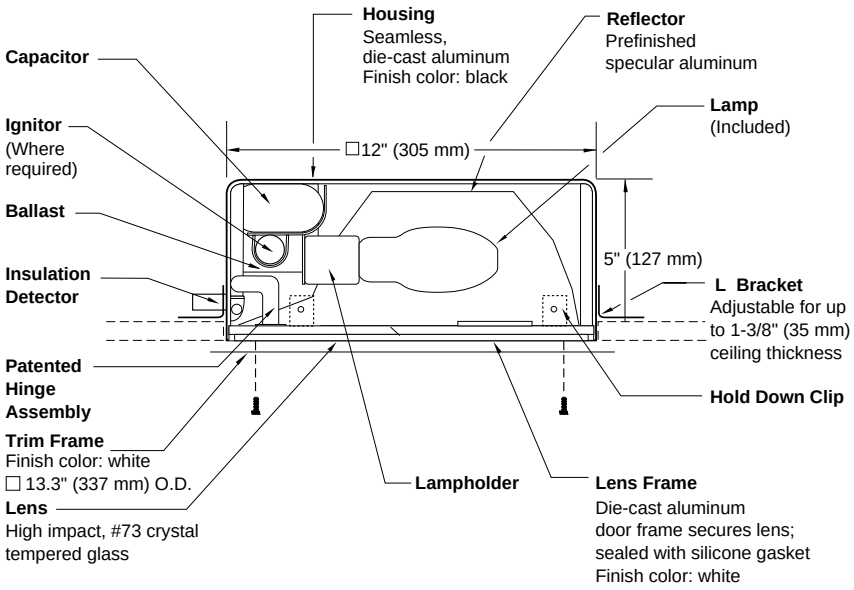
Drawing Name:
Electrical Plan

Project No: 12046
Drawing No: E-2

RECESSED MOUNT

12" (305 mm) RECESSED CANOPY LIGHT

RCO-12 SERIES



Notes

SPEC #	WATTAGE	CATALOG #
	PULSE START METAL HALIDE	
☐ SPEC #	125W PSMH	MRC0612-(a)(b)
☐ SPEC #	150W PSMH	MRC0615-(a)(b)
	METAL HALIDE	
☐ SPEC #	50W MH	MRC0405-(a)(b)
☐ SPEC #	70W MH	MRC0407-(a)(b)
☐ SPEC #	100W MH	MRC0410-(a)(b)
☐ SPEC #	175W MH	MRC0417-(a)(b)
	HIGH PRESSURE SODIUM	
☐ SPEC #	35W HPS	MRC0503-(a)(b)
☐ SPEC #	50W HPS	MRC0505-(a)(b)
☐ SPEC #	70W HPS	MRC0507-(a)(b)
☐ SPEC #	100W HPS	MRC0510-(a)(b)
☐ SPEC #	150W HPS	MRC0515-(a)(b)
	FLUORESCENT	
☐ SPEC #	26W FL	MRC0226-(a)(b)

Specify (a) Voltage & (b) Options.

(a) VOLTAGE SUFFIX KEY

1	120V (Standard)
2	277V (PSMH; 50 – 175W MH; 50 – 150W HPS; 26W FL)
3	208V (PSMH; 50 – 175W MH; 50 – 150W HPS)
4	240V (PSMH; 50 – 175W MH; 50 – 150W HPS)
6	347V (Canada Only) (PSMH; 50 – 175W MH; 70 – 150W HPS)

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	Acrylic Drop Prismatic Lens (1.8" [44 mm] Deep) (maximum wattage 100W)
-(a)F	Fusing
Q	Quartz Standby (includes 100W quartz lamp)

Specify (a) Single Voltage — See Voltage Suffix Key

GENERAL DESCRIPTION

Recessed Canopy luminaire for HID lamp, totally enclosed. Reflector is specular aluminum. Housing is seamless, die-cast aluminum. Includes four adjustable steel "L" brackets for mounting to various ceiling thicknesses and four hold down clips to prevent fixture movement during trim installation. Rough-in 12.3" (311 mm) sq. hole required for fixture installation. Two 1/2" conduit openings provided for wire supply. A maximum of 4 No. 12 AWG (2 in/2 out) through branch circuit conductors suitable for at least 150˚C allowed on fixtures 100W or less. Fixtures are provided with a UL listed insulation detector, which will deactivate fixture if inadvertently covered with insulation. Lens assembly consists of rigid aluminum frame and high-impact, #73 crystal tempered glass.

ELECTRICAL

Fluorescent fixture supplied with a 26W quad compact fluorescent lamp. HID fixture includes clear, medium-base lamp. Pulse-rated porcelain enclosed, 4kv-rated screw-shell-type lampholder with spring-loaded center contact. Fixtures require a minimum 150°C temperature feed wire. Lamp ignitor included where required. Ballast assemblies are high-power factor and use the following circuit types:

Electromagnetic
26W FL

Reactor
120V: 35 – 150W HPS

HX — High Reactance
50 – 100W MH; 50 – 150W HPS

CWA — Constant Wattage Autotransformer
125 & 150W PSMH; 175W MH

LABELS

ANSI lamp wattage label supplied, visible during relamping. UL Listed in the US and Canada for wet locations. 150 & 175W not UL Listed for feed-thru wiring.

FINISH

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

PATENT

US 4,689,729

ACCESSORIES

LPF-12	2 x 2 Lay-in Panel

9201 Washington Avenue Racine, Wisconsin 53406-3772 USA PHONE (262) 886-1900 FAX (262) 884-3309

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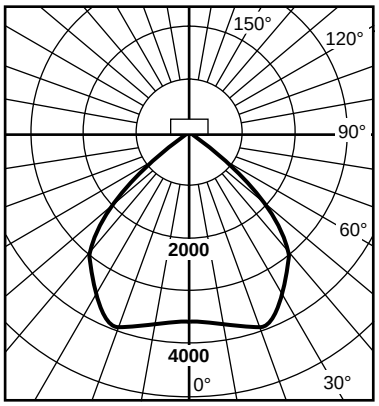
RCO-12 SERIES

RECESSED MOUNT

12" (305 mm) RECESSED CANOPY LIGHT

Metal Halide
Lamp: 175 Watt (Clear) – 14,000 lumens
Lens: #73 Crystal Tempered Glass
Test Distance: 26' (8 m)
Certified Test Report: Lighting Sciences Inc. No. LSI 9562



Candlepower Summary

Angle	Along	45	Across
0	3580	3580	3580
5	3515	3520	3618
10	3672	3677	3736
15	3868	3867	3863
20	3802	3987	3950
25	3510	3992	3833
30	3075	3817	3556
35	2602	3378	3270
40	2058	2720	2911
45	1480	2055	2334
50	1031	1415	1667
55	704	1024	1193
60	515	698	779
65	384	463	496
70	259	324	347
75	209	233	280
80	152	163	196
85	68	71	98
90	0	4	4

Efficiency = 63.2%; SC = 1.2; S/MH = 1.2

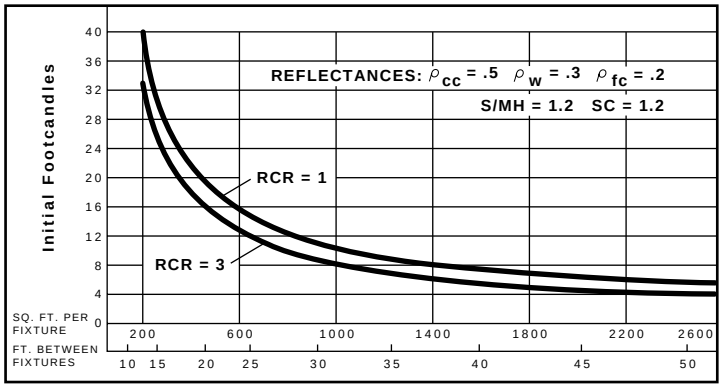
Zonal Lumens and Percentages

Zone	Lumens	% Lamp	% Fixture
0-30	3292	23.5	37.2
0-40	5316	38.0	60.1
0-60	7925	56.6	89.6
0-90	8840	63.1	100.00
90-120	0.0	0.0	0.0
90-130	0.0	0.0	0.0
90-150	0.0	0.0	0.0
90-180	0.0	0.0	0.0
0-180	8841	63.2	100.00

Coefficients of Utilization

Effective Floor Cavity Reflectance = 0.20

CC	80				70				50			30			10		
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
1	0.70	0.67	0.65	0.63	0.68	0.66	0.64	0.62	0.63	0.61	0.60	0.61	0.59	0.58	0.58	0.57	0.56
2	0.64	0.60	0.56	0.53	0.63	0.59	0.55	0.53	0.57	0.54	0.51	0.55	0.52	0.50	0.53	0.51	0.49
3	0.59	0.54	0.49	0.46	0.58	0.53	0.49	0.45	0.51	0.47	0.44	0.49	0.46	0.44	0.48	0.45	0.43
4	0.55	0.48	0.43	0.40	0.54	0.48	0.43	0.39	0.46	0.42	0.39	0.45	0.41	0.38	0.43	0.40	0.38
5	0.51	0.44	0.39	0.35	0.50	0.43	0.38	0.35	0.42	0.38	0.34	0.41	0.37	0.34	0.39	0.36	0.34
6	0.47	0.40	0.35	0.31	0.46	0.39	0.34	0.31	0.38	0.34	0.31	0.37	0.33	0.30	0.36	0.33	0.30
7	0.44	0.36	0.31	0.28	0.43	0.36	0.31	0.28	0.35	0.31	0.27	0.34	0.30	0.27	0.33	0.30	0.27
8	0.41	0.33	0.28	0.25	0.40	0.33	0.28	0.25	0.32	0.28	0.25	0.31	0.27	0.25	0.31	0.27	0.24
9	0.39	0.31	0.26	0.23	0.38	0.30	0.26	0.23	0.30	0.25	0.22	0.29	0.25	0.22	0.28	0.25	0.22
10	0.36	0.28	0.24	0.21	0.35	0.28	0.24	0.21	0.27	0.23	0.20	0.27	0.23	0.20	0.26	0.23	0.20



QUICK CALCULATOR: Use this chart to determine the number and spacing of Ruud 12" (305 mm) Canopy Lights with 175W MH lamp. Numbers and spacing for other wattages may be determined as follows: 50W multiply by 0.24; 70W multiply by 0.39; 100W multiply by 0.64.

RUUD LIGHTING®
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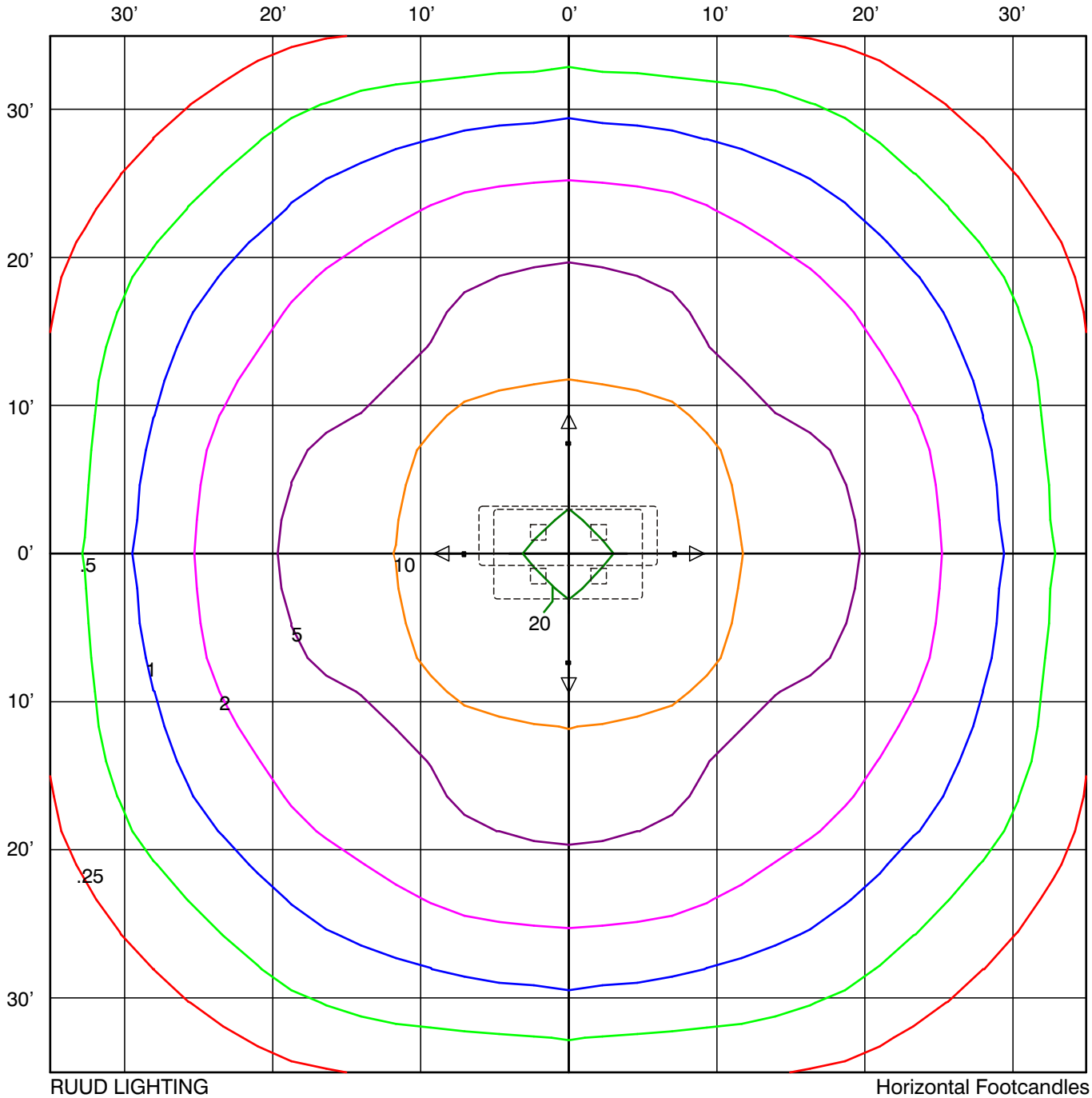
RUUD LIGHTING



RUUD LIGHTING
MAC410
12" AREA CUTOFF / FORWARD THROW
100 WATT MH, CLEAR

Horizontal Footcandles
Scale: 1 Inch = 10 Ft.
Light Loss Factor = 0.65
Total Lumens Per Luminaire = 8100
Mounting Height = 11.00 Ft
Maximum Calculated Value = 20.85 Fc
Arrangement: 4 @ 90 Degrees
Arm Length = 4 Ft

Photometric Toolbox Professional Edition (c) copyright 1995-2004 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations.
Results derived from content of manufacturers IES format photometric file.

GENERAL STRUCTURAL NOTES
NOTE TO PLAN EXAMINER
THIS DRAWING WAS PREPARED FOR THE MOST SEVERE CONDITIONS THAT EXIST IN THE IDENTIFIED STATE FOR EITHER SNOW, WIND, OR EARTHQUAKE LOADS. THEREFORE, THIS FOUNDATION IS APPROPRIATE FOR USE IN ANY PART OF THE STATE. LOADS SHOWN MAY EXCEED THOSE REQUIRED FOR THE LOCAL JURISDICTION.

CODE AND SPECIFICATIONS

1. 2011 EDITION OF THE MICHIGAN BUILDING CODE .
2. ACI 301-05, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
3. AISC CODE OF STANDARD PRACTICE, 2000 EDITION.

DESIGN LOADS

1. ROOF LOADS
   - GROUND SNOW LOAD, Pg.....20 PSF
   - FLAT-ROOF SNOW LOAD, Pf.....35 PSF
   - SNOW EXPOSURE FACTOR, Ce.....1.3
   - SNOW LOAD IMPORTANCE FACTOR, I.....I
   - THERMAL FACTOR, Ct.....1.2

2. WIND LOAD
   - BASIC WIND SPEED.....90 MPH (3 SEC GUST)
   - WIND EXPOSURE.....EXPOSURE D
   - IMPORTANCE FACTOR.....1.0
   - GUST EFFECT FACTOR, G.....0.85
   - NET FORCE COEFFICIENT, Cf.....±1.3
   - DESIGN PRESSURE.....±30 PSF

3. EARTHQUAKE LOAD
   - SEISMIC IMPORTANCE FACTOR, IE.....1.0
   - MAPPED SPECTRAL RESPONSE ACCELERATION, SS.....3.0
   - MAPPED SPECTRAL RESPONSE ACCELERATION, S1.....1.09
   - SITE CLASS.....D
   - DESIGN SPECTRAL RESPONSE COEFFICIENTS
     - SDS.....1.0
     - SD1.....0.6
   - SEISMIC DESIGN CATEGORY.....D
   - BASIC SEISMIC FORCE RESISTING SYSTEM = CANTILEVERED STEEL COLUMNS
   - R.....2.5
   - DESIGN BASE SHEAR V =CsW = 0.4W.....2750 LBS
   - ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

SAFETY

1. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF JOB SITE SAFETY OF ALL PERSONS AND PROPERTY IN, ON, OR NEAR THE CONSTRUCTION SITE DURING PERFORMANCE OF TliE PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.'

FOUNDATIONS

1. NEW FOUNDATION PRESUMPTIVE BEARING PRESSURE = 1500 PSF
2. SET COLUMN ANCHOR BOLTS WITH A TEMPLATE PRIOR TO PLACING CONCRETE.

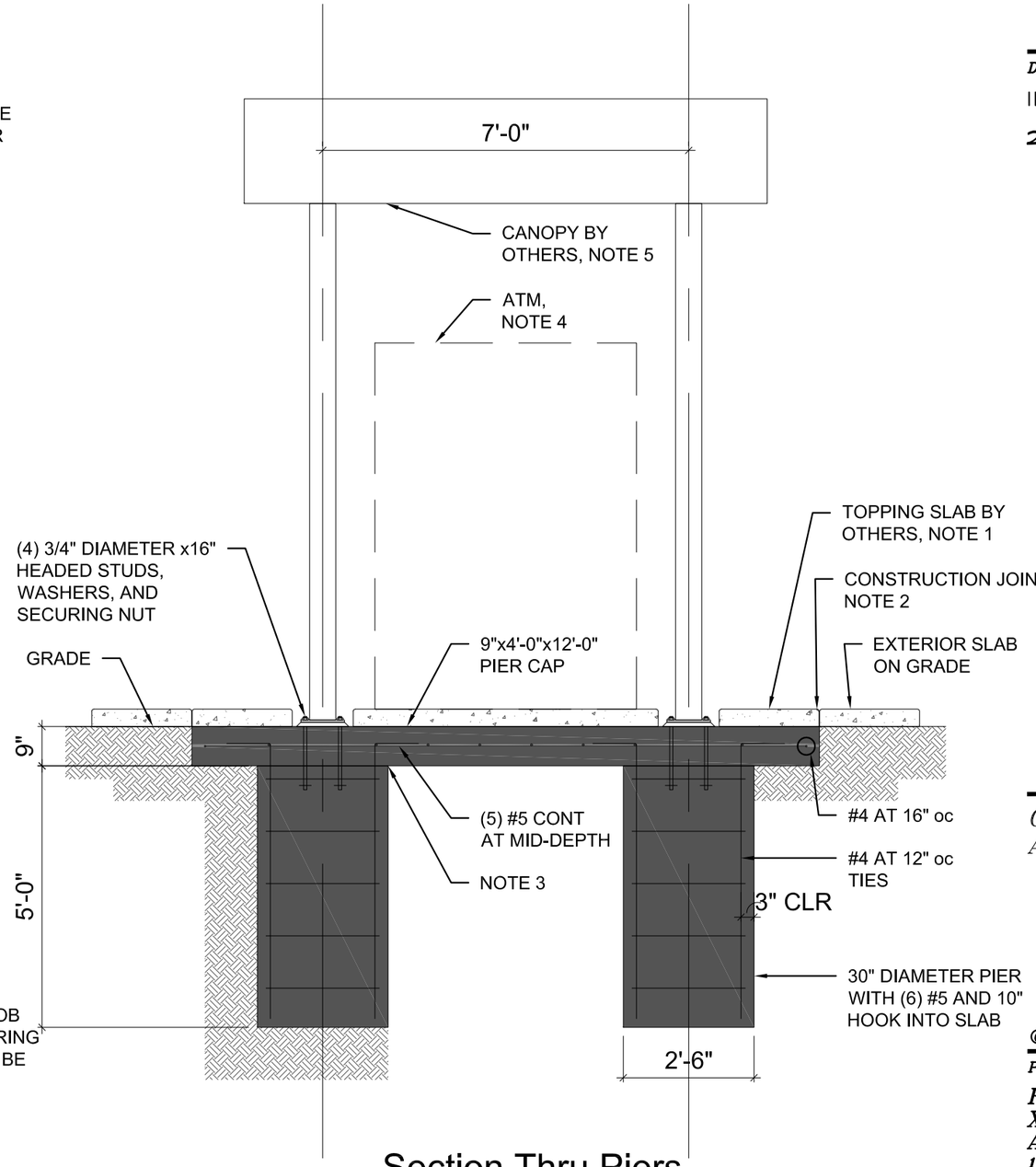
REINFORCING STEEL

1. DEFORMED REINFORCING BARS, ASTM 615. 60 KSI YIELD.

CONCRETE

1. All CONCRETE SHALL BE NORMAL WEIGHT CONCRETE
2. MINIMUM CONCRETE STRENGTH 4,000 PSI AT 7 DAYS.

STRUCTURAL STEEL
MATERIAL: ANCHOR BOLTS.....ASTM A307



1 Section Thru Piers
3/8"=1'-0"

NOTES:

1. CONTRACTOR HAS OPTION TO PLACE TOPPING SLAB INTEGRAL WITH PIER CAP WITHIN THE DIMENSIONS OF THE PIER CAP.
2. CONTRACTOR TO PLACE CONSTRUCTION JOINT AROUND ALL SIDES OF PIER CAP TO SEPARATE EXTERIOR SLAB ON GRADE AND PIER CAP.
3. CONTRACTOR HAS OPTION TO PLACE CONSTRUCTION JOINT BETWEEN PIER AND PIER CAP.
4. DESIGN IS BASED ON SUPPORTING AN ATM NOT TO EXCEED 3000 LBS.
5. DESIGN IS BASED ON A 6FTX10NX2FT COUVRETTE CANOPY NOT TO EXCEED 12'-0" HIGH AND 3400 LBS.

Date:	Issued For:
11-19-12	Owner's Review and Permit
2-18-13	Planning Commission Submission

STATE OF MICHIGAN
GERALD G. WEBER
ARCHITECT
No. 36284
LICENSED ARCHITECT

GERALD G.WEBER ARCHITECT
13711 Madison Avenue
Lakewood
Ohio 44107
216.226.6009
FAX 216.521.2206

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Project:
Fifth Third Bank XTEm Oakland Plaza ATM Relocation
14 Mile and John R
Troy, MI

Drawing Name:
Structural

Project No: 12046
Drawing No: S-1

Branding Detail

A — Sapphire Blue Paint
Spec: Match of MP55619
Finish: Egg Shell/Satin

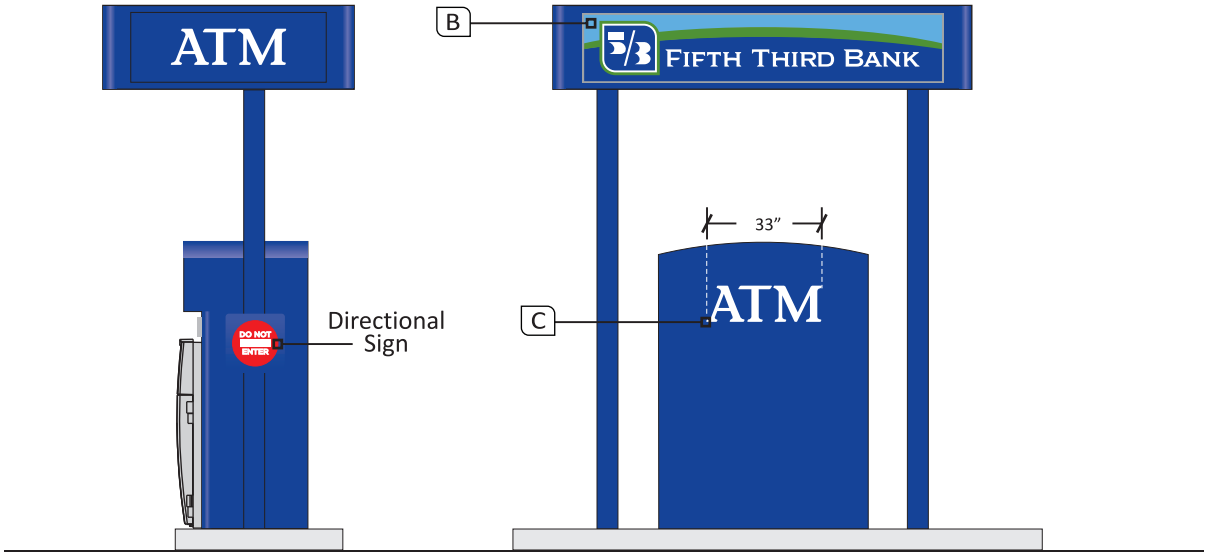
B — Backlit Graphics (applied to white plex)
Color: Sapphire Blue
Spec: 3M #3632-8607
Color: Sky Blue
Spec: 3M #3632-8043
Color: Vivid Green
Spec: 3M #3632-156

C — Non-Backlit Vinyl Graphics
Color: White
Spec: 3M #680-10 White (reflective)
Color: Red
Spec: 3M #680-72

D — Backlit Graphics (push-through acrylic letters)
Color: Sapphire Blue
Spec: 3M #3632-8607
Color: Sky Blue
Spec: 3M #3632-8043
Color: Vivid Green
Spec: 3M #3632-156

E — Horizon Frame & Graphic Insert (# HG_)

Left Elevation — Front Elevation



Right Elevation — Rear Elevation

Branding Calculation:

Front Canopy Face

FIFTH THIRD BANK

90.7 x 6.1 = 3.8 sq./ft.

Front Surround Face

FIFTH THIRD BANK

37 x 10.6 = 2.7 sq./ft

Total Signage Area = 6.5 sq./ft.

FIFTH THIRD BANK

PROJECT NAME:	FIFTH THIRD BANK_BRANDING STANDARDS
LOCATION:	OAKLAND PLAZA
ADDRESS:	
CITY, STATE, ZIP:	TROY, MI
PRODUCT:	FREESTANDING CAN_HSUR_750_SIGN CALC
DRAWN BY:	JR
DATE:	1/25/13

REV	DATE	DESCRIPTION
4		
3		
2		
1		

All designs depicted herein are the sole property of Fifth Third Bank, created specifically for branding application. Use of this information for any purpose other than the intended use is strictly prohibited without written consent of owner.

FIFTH THIRD BANK
ATM

FIFTH THIRD BANK
FIFTH THIRD BANK
FURNITURE

FIFTH THIRD BANK

FIFTH THIRD BANK
DO NOT
ENTER
BARGAINS, CLOSEOUTS & FURNITURE
DOUBLE DRAGON BUFFET
DON RAMON MEXICAN RESTAURANT
FURNITURE