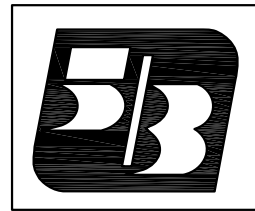


ATM Relocation

FOR:



Fifth Third Bank

XTEM ROCHESTER HILLS ATM

1370 Walton Boulevard
Rochester Hills, MI
48309

CONTACTS:

Owner
Fifth Third Bank
38 Fountain Square Plaza
Cincinnati, OH 45263
(513) 534-6069
mindy.trout@53.com

Architect/Applicant:
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Property Owner
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2360 Orchard Lake Road, Suite 110
Sylvan Lake, MI 48230
Contact: Laith Jonna
248-683-7355
email: ljonna@jonnaproperties.com

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 GERALD G. WEBER 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.

INDEX OF DRAWINGS

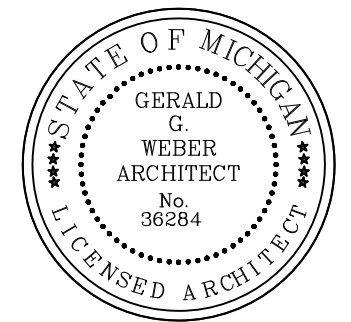
Drawing No.	Description	2-23-13 Owner Review and Permit	2-23-13 Planning	4-1-13 Revised per City Review	4-1-13 Permit Review	5-7-13 Revised per Planning Commission
T-1	TITLE SHEET	●	●	●	●	
C-1.0	SITE LOCATION PLAN	●	●	●		
C-1.1	SITE ZONING PLAN	●	●	●		
C-1.2	SITE PARKING PLAN	●	●	●		
C-2	PAD LOCATION PLAN	●	●	●		
C-3	ENLARGED SITE PLAN	●	●	●		
L-1	LANDSCAPE PLAN	●	●	●		
A-1	PAD PLAN	●	●	●		
A-2	BOLLARD PLAN	●	●	●		
A-3	SECTIONS AND ELEVATIONS	●	●	●		
E1	ELECTRICAL SITE PLAN	●	●	●		
E2	ELECTRICAL PLAN	●	●	●		
E3	ELECTRICAL DIAGRAM	●	●	●		
E4	ELECTRICAL DETAILS - DRAWING ADDED 5-7-13				●	
E4	PHOTOMETRIC DIAGRAM - DRAWING DELETED 5-7-13					
PP1	PHOTOMETRIC PLAN - DRAWING ADDED 5-7-13				●	
S-1	COUVRETTE CANOPY STRUCTURAL	●	●	●		
C-1 THRU 9	COUVRETTE CANOPY DRAWINGS	●	●	●		
	ATM SPECIFICATION SHEETS	●	●	●		
	CANOPY AND ATM ELEVATIONS	●	●	●		
	ATM SURROUND ELEVATIONS	●	●	●		

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 RESPONSIBILITY. 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.

THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION

Date:	Issued For:
2-23-13	Owner's Review and Permit
2-23-13	Conditional Use Submission
4-1-13	Revised per City Review
4-1-13	Permit Review
5-7-13	Revised per Planning Commission



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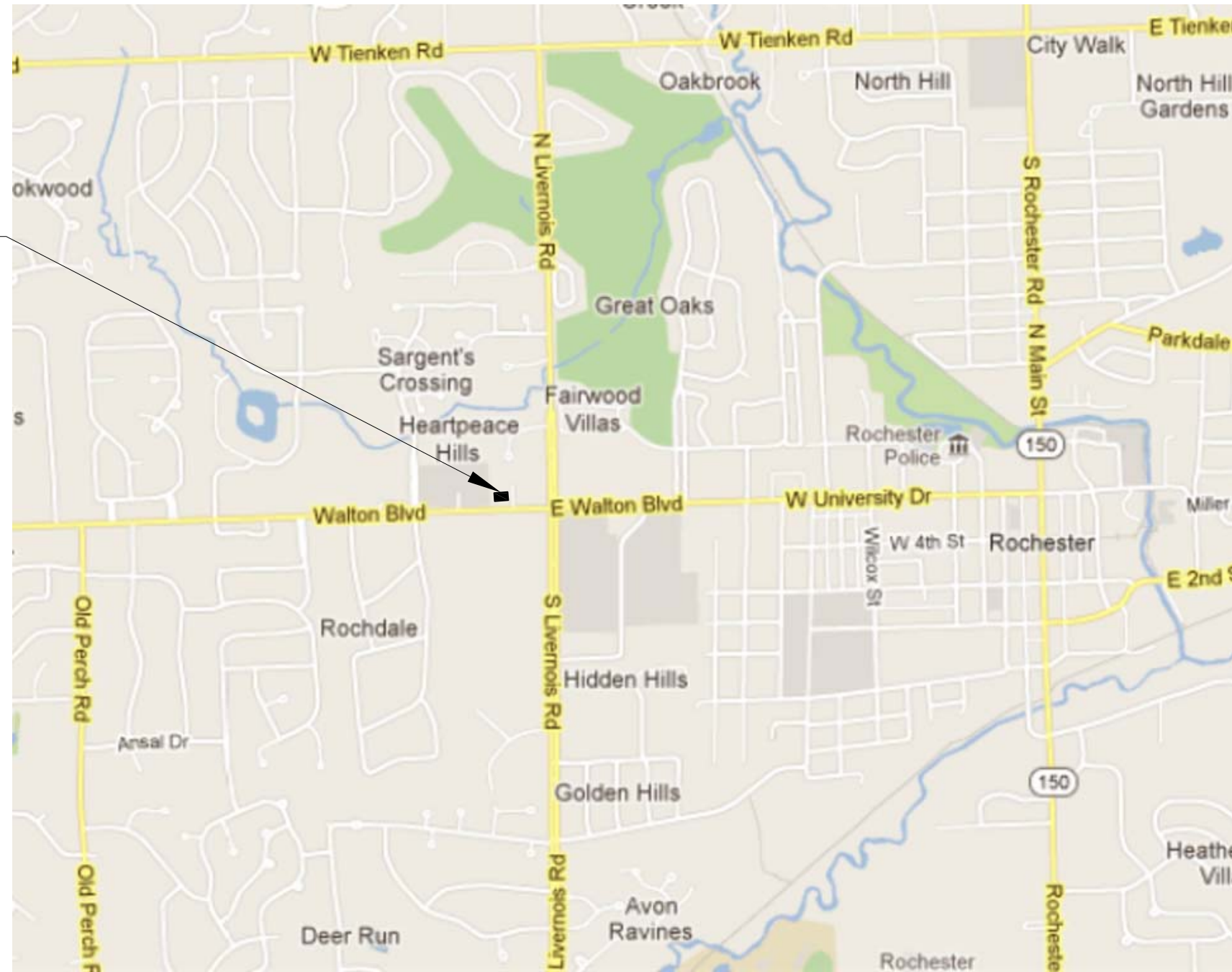
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Project:
Fifth Third Bank
XTEM Rochester Hills
ATM Installation
1370 Walton Boulevard
Rochester Hills, MI

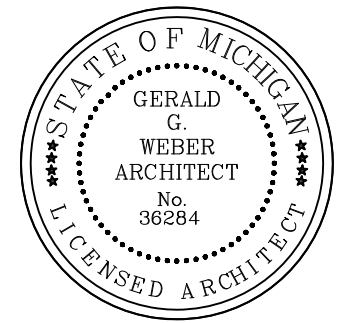
Drawing Name:
Title

Project No: 13001
Drawing No: T1

SITE



Date:	Issued For:
2-23-13	Owner's Review and Permit
2-23-13	Conditional Use Submission
4-1-13	Permit Review



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Project:

**Fifth Third Bank
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1370 Walton Boulevard
Rochester Hills, MI**

**Drawing Name:
Site Location Plan**

**Project No: 13001
Drawing No: C-1.0**

SITE LOCATION PLAN

SCALE: NO SCALE

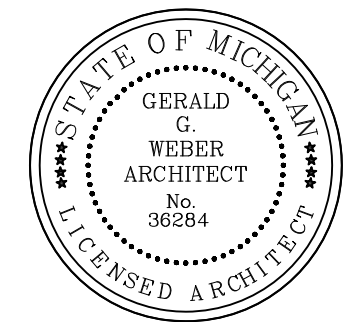


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SITE



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2-23-13	Conditional Use Submission
4-1-13	Permit Review
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SITE ZONING PLAN

SCALE: 1" = 2000'



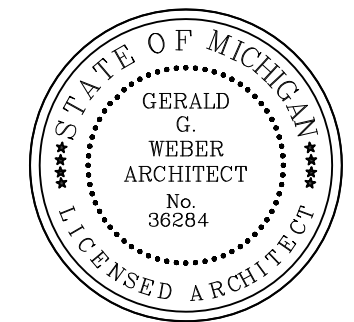
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BE USED FOR CONSTRUCTION**

Drawing Name:
Site Zoning Plan

Project No: 13001
Drawing No: C-1.1



Date:	Issued For:
2-23-13	Owner's Review and Permit
2-23-13	Conditional Use Submission
4-1-13	Permit Review
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Project:

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1370 Walton Boulevard
Rochester Hills, MI

Drawing Name:
Site Parking Plan

Project No: 13001
Drawing No: **C-1.2**

PARKING INFORMATION BASED ON B-3, SHOPPING CENTER BUSINESS ZONING DISTRICT.

EXISTING PARKING = 424 SPACES

AREA OF EXISTING BUILDINGS = 70,528 S. F.

PARKING REQUIRED = 1/300 S.F. = 236 SPACES

PARKING LOST TO PROPOSED ATM = 13 SPACES

424 - 13 = 411 SPACES.

PARKING PROVIDED AFTER ATM INSTALLATION = 411 SPACES

SITE PARKING PLAN

SCALE: 1" = 60'



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BE USED FOR CONSTRUCTION**



Date:	Issued For:
1-8-13	Preliminary City Review
2-23-13	Owner's Review and Permit
2-23-13	Conditional Use Submittal
1 4-1-13	Revised per City Review
4-1-13	Permit Review
2 5-7-13	Revised per Planning Commission

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Rochester Hills, MI**

Drawing Name:
Site Plan

Project No: 13001
Drawing No: C-2

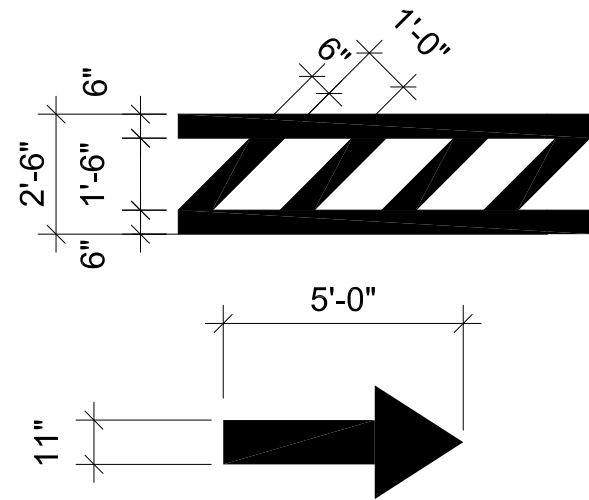
1. LOCATION OF NEW CONCRETE PAD FOR PROPOSED ATM.
2. CONTROL POINT FOR PAD LOCATION IS OUTSIDE CORNER OF EXISTING CONCRETE CURB.
3. EXISTING PAVEMENT TO REMAIN.
4. NEW CONCRETE PAD, SEE SHEET A-1.
5. NEW 6" CONCRETE CURB.
6. NEW LANDSCAPE AREA.
7. EXISTING 36" STORM SEWER, VERIFY EXACT LOCATION IN THE FIELD.

- NOTES:**
- A. THERE ARE NO TREES AFFECTED BY THIS PROJECT.
 - B. THERE IS NO ENVIRONMENTAL IMPACT BY THIS PROJECT.
 - C. PROJECT DOES NOT IMPACT EXISTING STORM WATER SYSTEM.
 - D. PROJECT IS LESS THAN AN ACRE SO A STORM WATER PROTECTION PLAN IS NOT REQUIRED.
 - E. HOURS OF OPERATION: MONDAY THRU SUNDAY, 24 HOURS PER DAY

SITE PLAN

SCALE: 1" = 30'-0"

**THESE DRAWINGS ARE NOT TO
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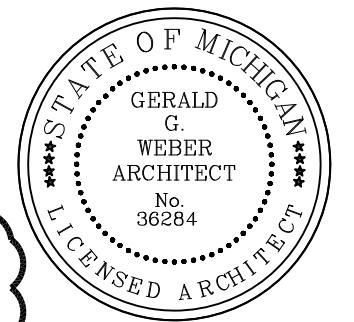
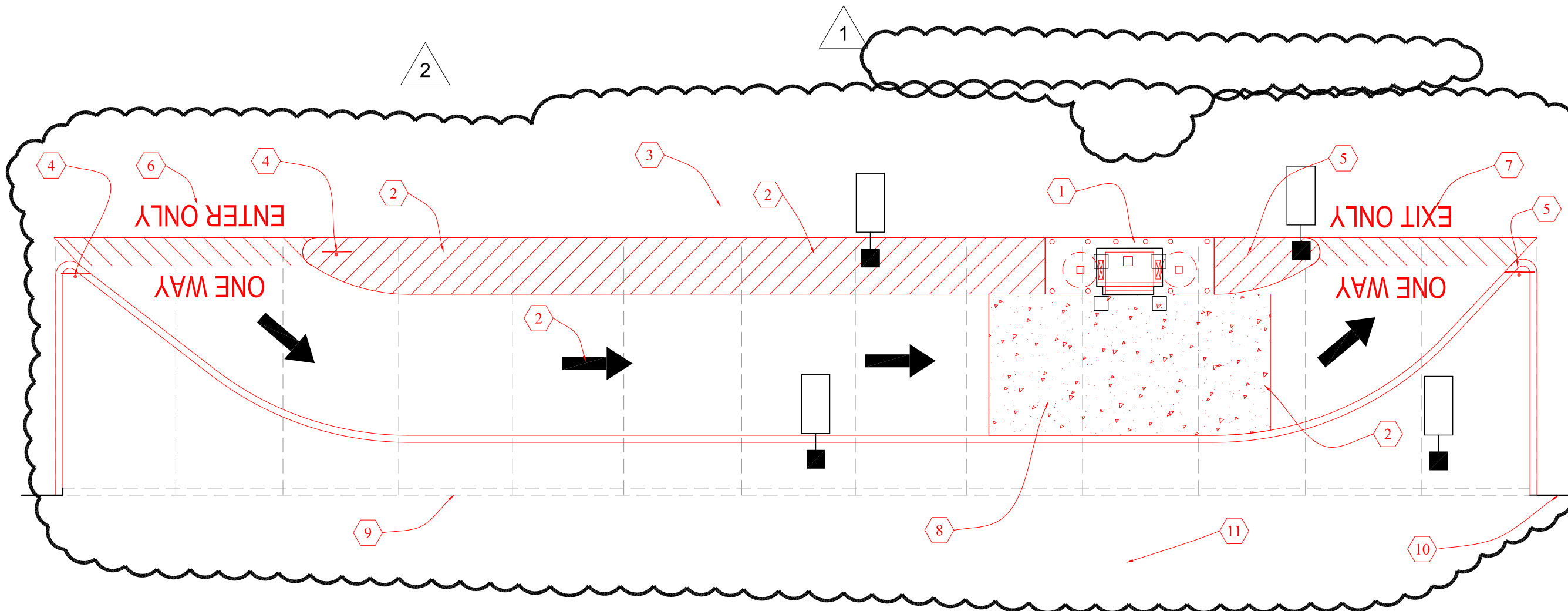


PAVEMENT STRIPING

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

1. CONCRETE ISLAND WITH NEW ATM, SURROUND, AND CANOPY.
2. ARROWS AND PAVEMENT STRIPING, ORANGE/YELLOW, 6" LINES.
3. EXISTING ASPHALT PAVEMENT, PATCH AS REQUIRED FOR NEW CONSTRUCTION.
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. NEW CONCRETE PAD, SEE DETAIL SHEET A-1. REMOVE ASPHALT PAVEMENT AND BASE AS REQUIRED.
9. REMOVE EXISTING CONCRETE CURB.
10. EXISTING CONCRETE CURB TO REMAIN.
11. EXISTING GRASS TO REMAIN.

Date:	Issued For:
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2-23-13	Conditional Use Submission
4-1-13	Revised per City Review
4-1-13	Permit Review
5-7-13	Revised per Planning Commission



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ATM Installation
1370 Walton Boulevard
Rochester Hills, MI

Drawing Name:
Enlarged
Site Plan

Project No: 13001
Drawing No: C-3

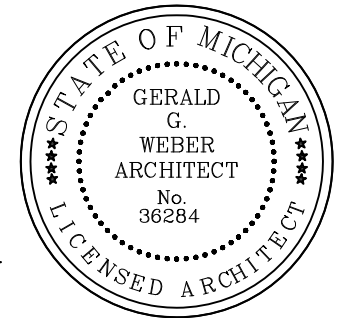
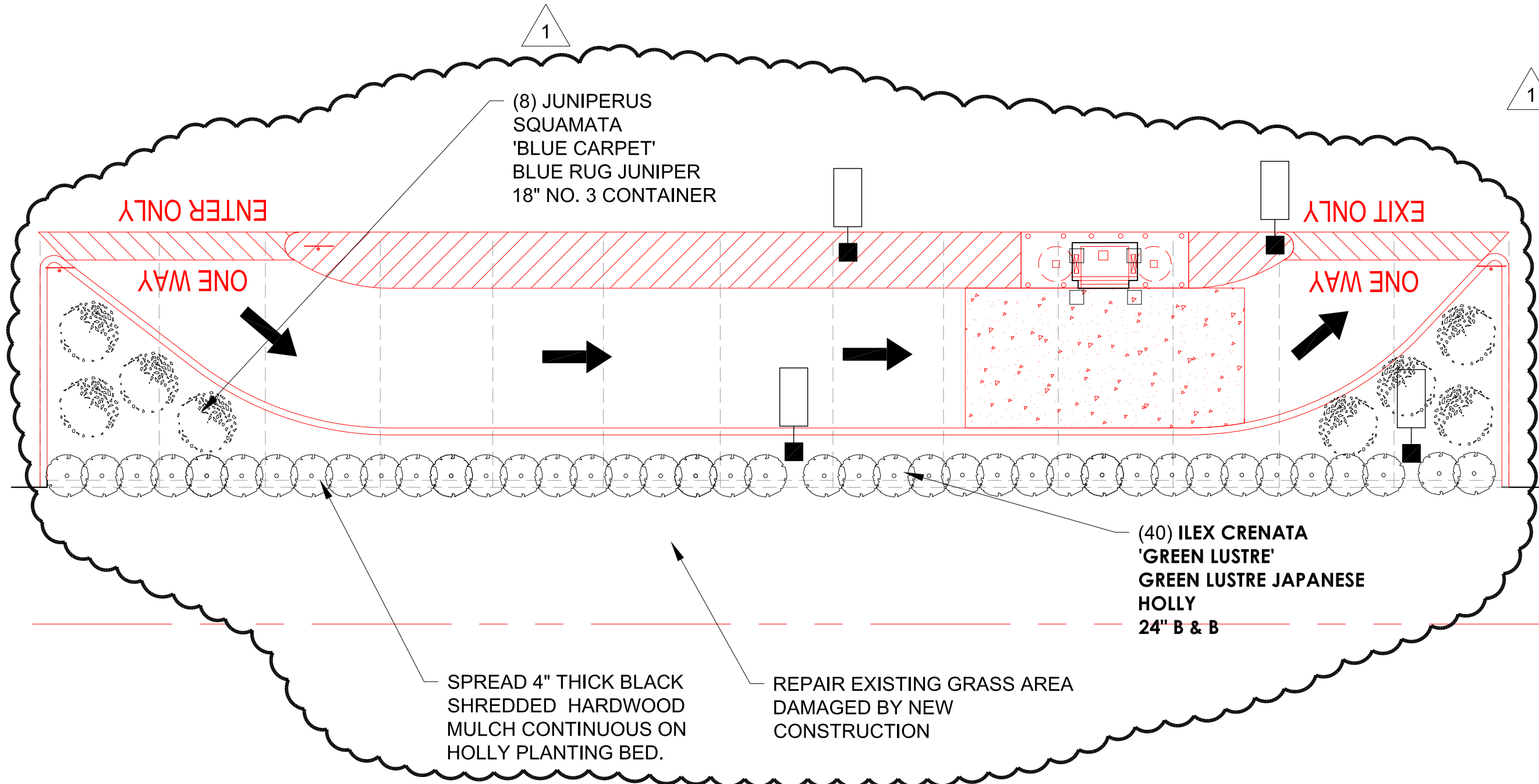
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SITE PLAN

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



Date:	Issued For:
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2-23-13	Conditional Use Submission
4-1-13	Permit Review
5-7-13	Revised per Planning Commission



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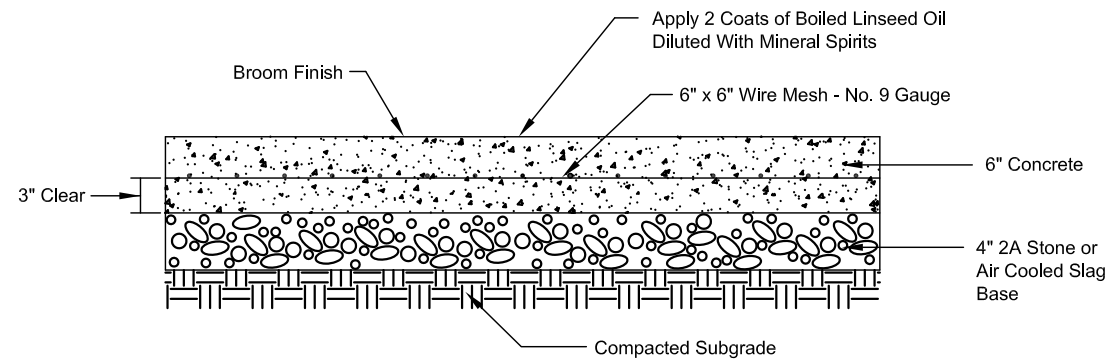
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Project:
*Fifth Third Bank
XTEM Rochester Hills
ATM Installation
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Rochester Hills, MI*

Drawing Name:
*Landscape
Plan*

Project No: 13001
Drawing No: L-1

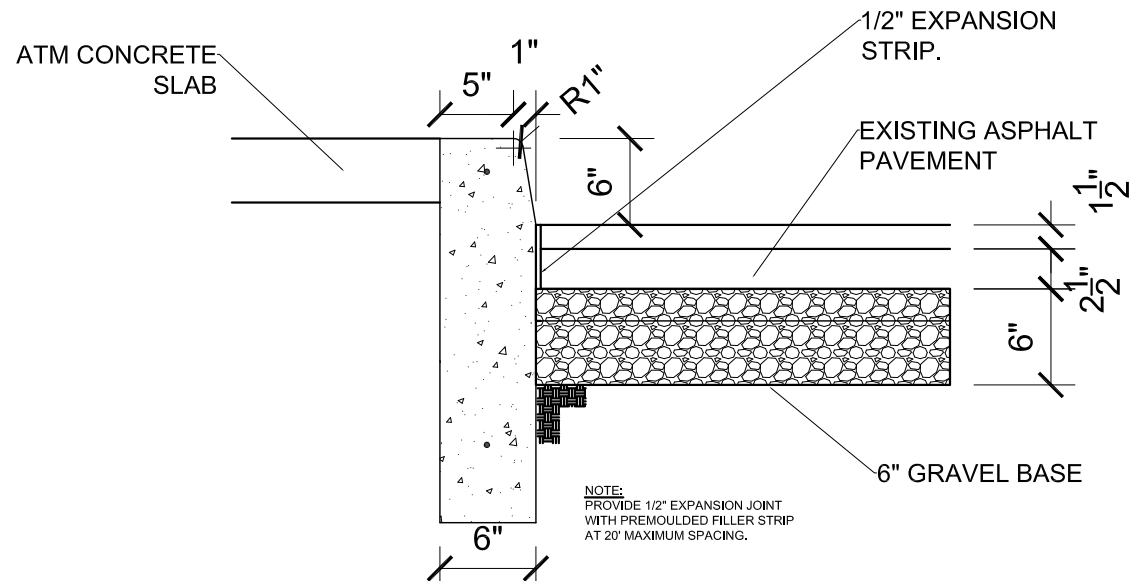
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NOTE: A tooled construction joint shall be placed every 4' O.C.
An expansion joint shall be placed every 20' O.C.

6" CONCRETE PAD DETAIL

Not to Scale



NOTE: PROVIDE 1/2" EXPANSION JOINT WITH PREMOULDED FILLER STRIP AT 20' MAXIMUM SPACING.

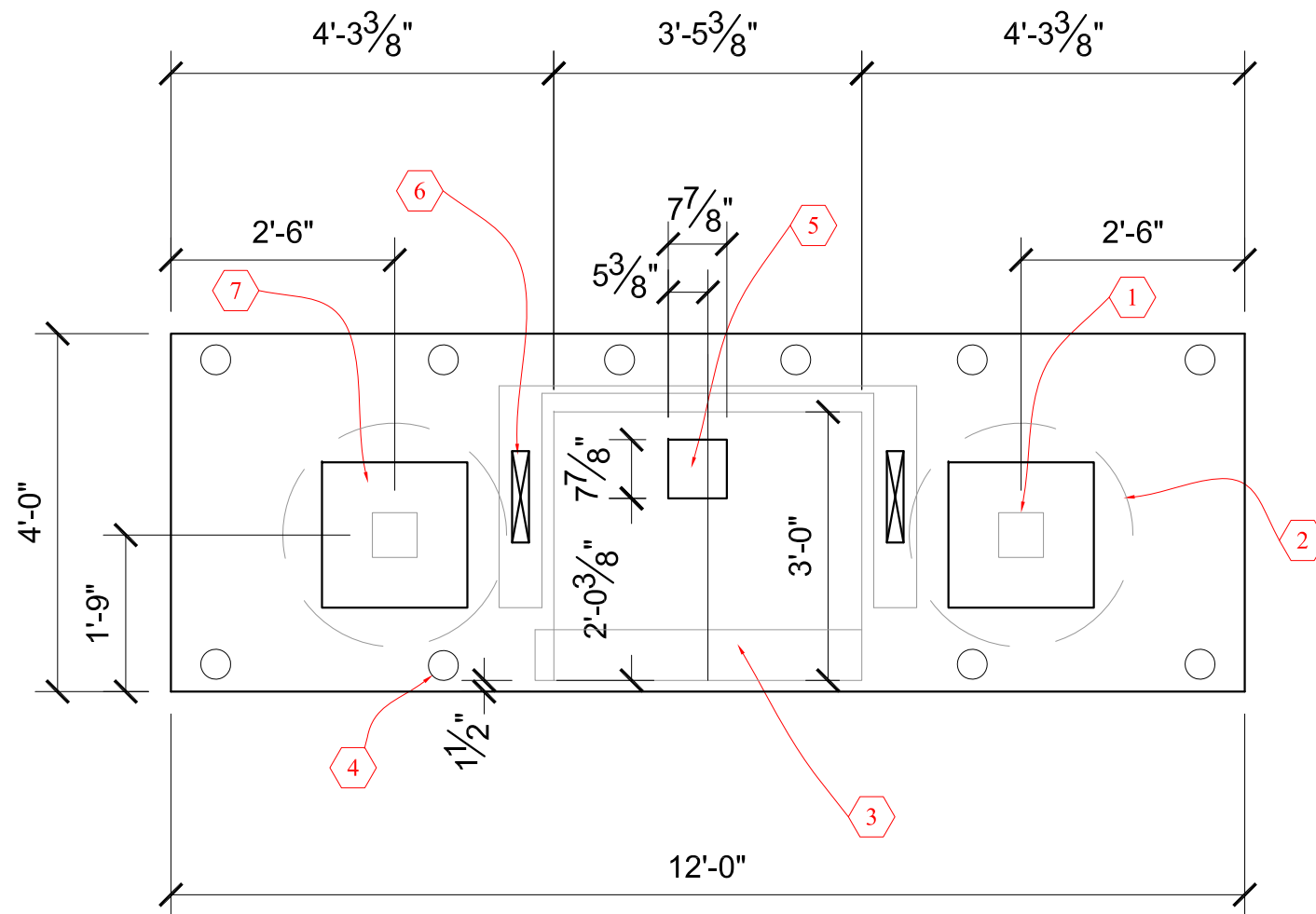
CONCRETE CURB AND PAVEMENT DETAIL

SCALE: 1" = 1'-0"

Date:	Issued For:
2-23-13	Owner's Review and Permit
2-23-13	Conditional Use Submission
4-1-13	Permit Review

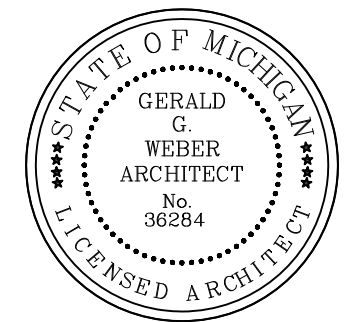
1. STEEL POST FOR CANOPY.
2. LINE OF COLUMN FOOTING BELOW.
3. NCR ATM AND SURROUND BY OTHERS.
4. NEW 4" Ø CONCRETE FILLED STEEL PIPE BOLLARD WITH PLASTIC COVER, COLOR GRAY. TYPICAL FOR EIGHT (10) LOCATIONS. SEE SHEET A-2, BOLLARD PLAN.
5. ATM FEED AREA, SEE ATM DRAWINGS.
6. ATM SURROUND FEED AREA, VERIFY EXACT LOCATION WITH ATM SURROUND MANUFACTURER.
7. 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"



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Project:

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ATM Installation
1370 Walton Boulevard
Rochester Hills, MI**

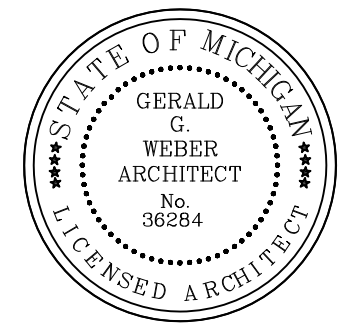
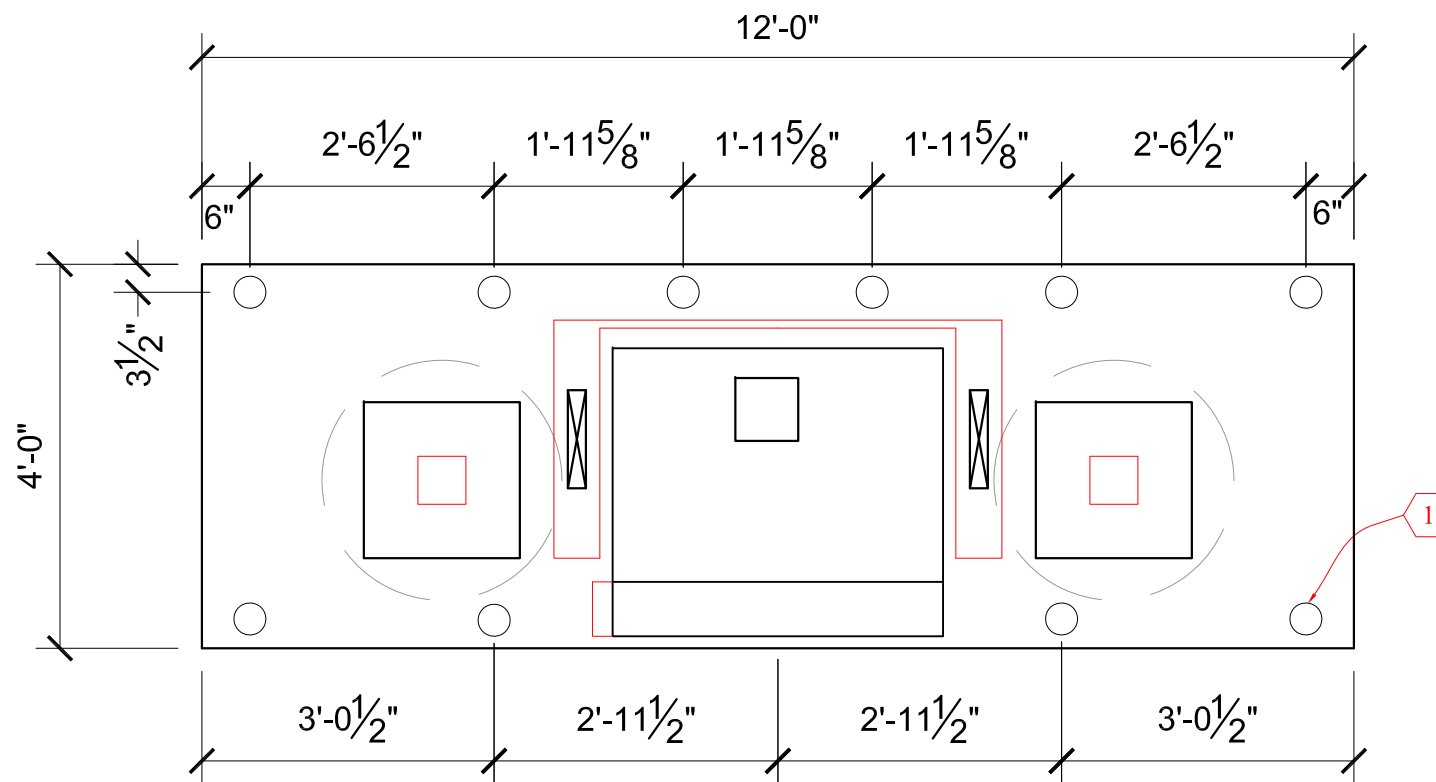
Drawing Name:
Floor Plan

Project No: 13001
Drawing No: **A-1**

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Date:	Issued For:
2-23-13	Owner's Review and Permit
2-23-13	Conditional Use Submission
4-1-13	Permit Review

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



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XTEM Rochester Hills
ATM Installation**
1370 Walton Boulevard
Rochester Hills, MI

Drawing Name:
Bollard Plan

Project No: 13001
Drawing No: A-2

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BE USED FOR CONSTRUCTION

BOLLARD PLAN

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

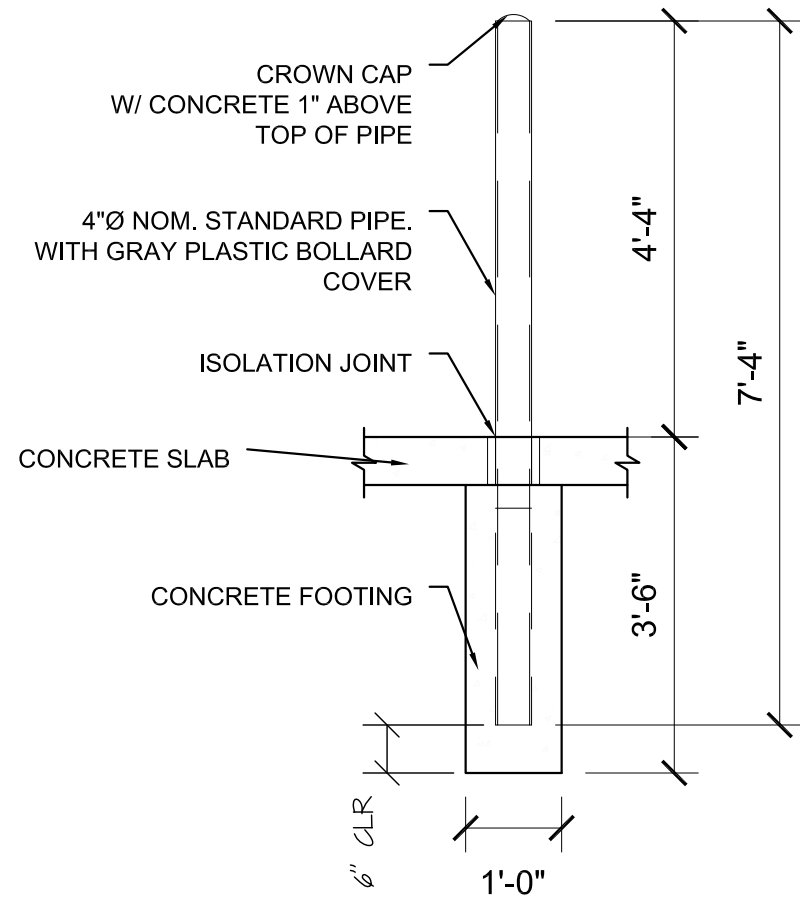


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CANOPY BY OTHERS

Date:	Issued For:
2-23-13	Owner's Review and Permit
2-23-13	Conditional Use Submission
4-1-13	Permit Review

CANOPY SUPPORTS BY OTHERS. CONTRACTOR TO COORDINATE WITH THE COUVRETTE REPRESENTATIVE.



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

ATM AND SURROUND BY OTHERS

CONCRETE PAD

EXISTING ASPHALT PAVEMENT TO REMAIN

1'-4"
6" 4" 6"

EXISTING GRAVEL BASE

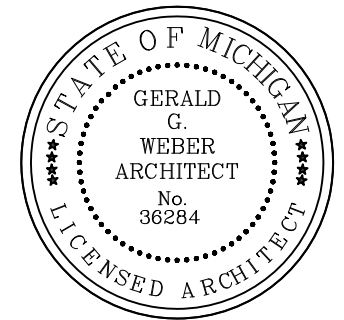
REINFORCING STEEL. SEE S-1, COUVRETTE CANOPY STRUCTURAL DRAWING.

6" GRAVEL BASE

CONCRETE PIER FOR CANOPY COLUMNS. SEE STRUCTURAL DETAILS. CONTRACTOR TO VERIFY SOILS ARE OF SUITABLE BEARING CAPACITY. NOTIFY ARCHITECT IF UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED.

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

EXISTING PAVEMENT



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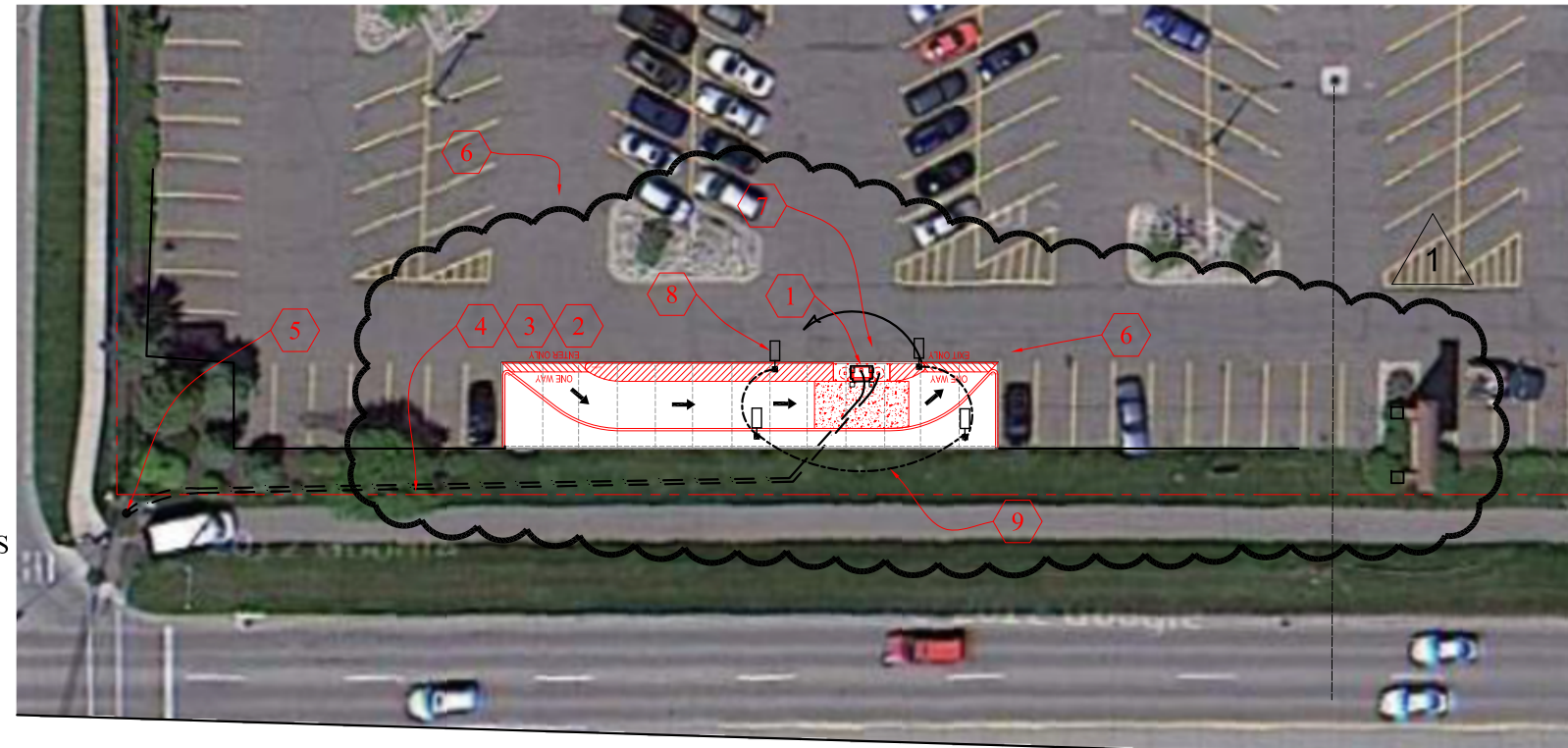
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Project:
**Fifth Third Bank
XTEM Rochester Hills
ATM Installation**
1370 Walton Boulevard
Rochester Hills, MI

Drawing Name:
Sections

Project No: 13001
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. EXTEND CONDUIT UP POLE AS REQUIRED FOR CONNECTION TO POWER AND DATA. PROVIDE WEATHERHEAD AT TOP OF EACH CONDUIT.
3. INSTALL NEW POWER AND DATA FOR ATM PER ATM SPECIFICATIONS. ATM TO BE ON A DEDICATED CIRCUIT. PROVIDE 36 INCH PIGTAIL FOR CONNECTION TO POWER AND DATA.
4. ELECTRICAL WIRING, TYPES, SIZES, OCPD, CONDUIT...TO BE IN ACCORDANCE WITH NFPA 70, OBC 2701.1..
5. EXISTING POWER POLE WITH TRANSFORMERS.
6. EXISTING ASPHALT PAVEMENT.
7. PATCH AND REPAIR ALL CONCRETE SIDEWALK AND GRASS AREAS DISTURBED BY CONSTRUCTION TO MATCH EXISTING GRADE AND THICKNESS.
8. (4) NEW POLE MOUNTED LIGHT FIXTURES, SEE PHOTOMETRIC PLAN FOR SPECIFICATIONS.
9. 3 #6 C.U. IN (1) 1 1/2" CONDUIT. WIRE THROUGH LIGHTING PHOTOCELL

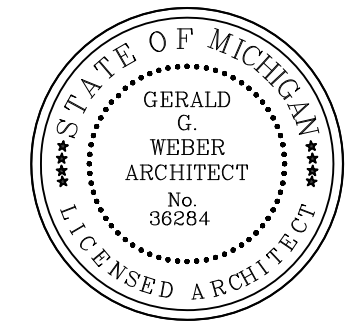


ELECTRICAL SITE PLAN

SCALE: 1" = 10'-0"



Date:	Issued For:
2-23-13	Owner's Review and Permit
2-23-13	Conditional Use Submission
4-1-13	Permit Review
5-7-13	Revised per Planning Commission



GENERAL NOTES:

1. REFER TO THE PHOTOMETRIC PLAN FOR LIGHT FIXTURE SCHEDULE.

EXCAVATION AND BACKFILL—

DO ALL EXCAVATION AND BACKFILLING NECESSARY FOR INSTALLATION OF WORK. PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATIONS: I.E., SEWER, TELEPHONE, WATER, FUEL, ELECTRIC LINES, ETC., WILL BE ENCOUNTERED, AND IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE ESTIMATED LOCATION OF SUCH INSTALLATIONS, THE EXACT LOCATION SHALL BE DETERMINED, AND WHEN IT IS UNCOVERED, PROPER SUPPORTS SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. UTILITY COMPANIES SHALL BE CONTACTED AND ADVISED OF PROPOSED WORK PRIOR TO THE START OF ACTUAL EXCAVATION. CONTACT UTILITIES PROTECTION SERVICE 48 HOURS PRIOR TO STARTING WORK.

COORDINATION—

ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT ROUTING AND ELEVATION OF UNDERGROUND CONDUITS WITH ALL OTHER TRADES ON SITE PRIOR TO EXCAVATION AND INSTALLATION. ALL TRENCHING, BACKFILL, PATCHING, ETC... SHALL BE BY THE E.C. UNLESS OTHERWISE NOTED. ALL UTILITY CABLING SHALL BE INSTALLED BY THE RESPECTIVE UTILITY COMPANIES.

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Project:
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1370 Walton Boulevard
Rochester Hills, MI**

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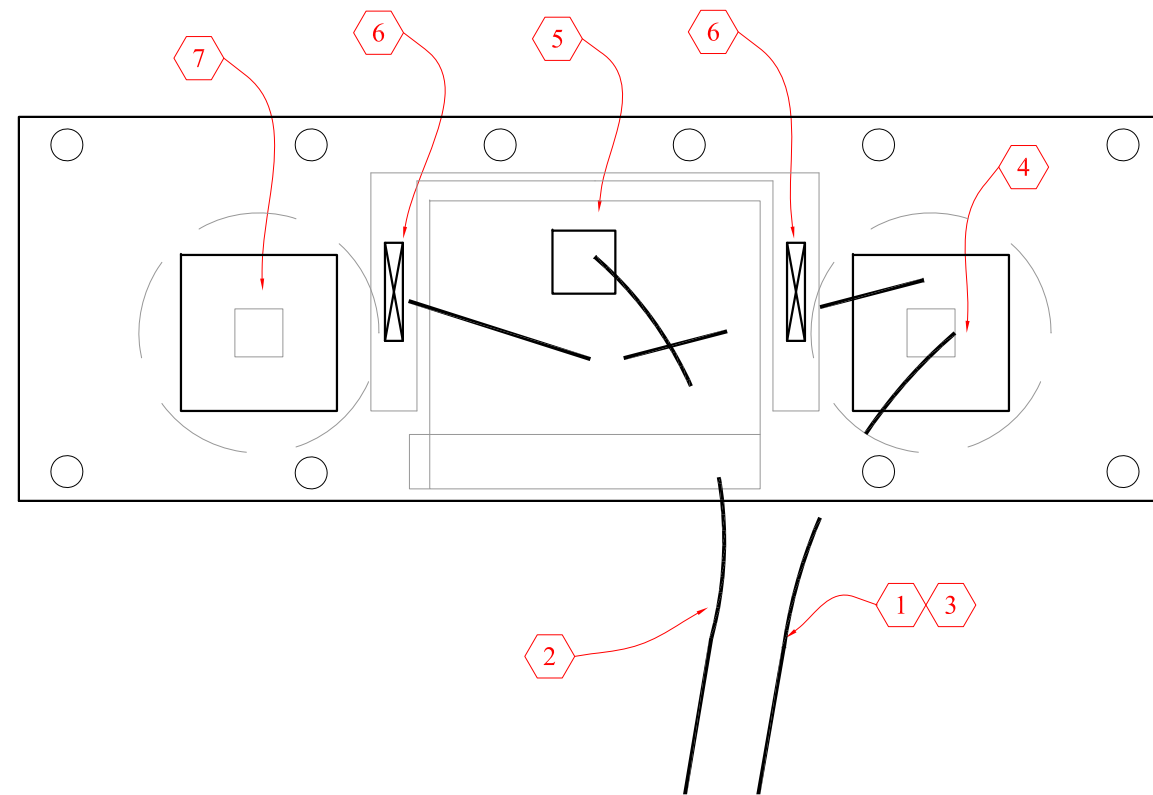
Drawing Name:
Electrical Site Plan

Project No: 13001
Drawing No: E-1

Date:	Issued For:
2-23-13	Owner's Review and Permit
2-23-13	Planning Commission Submission
4-1-13	Permit Review

1. INSTALL NEW 2" CONDUIT AND POWER FOR ATM PER NCR SPECIFICATIONS TO EXISTING POLE. VERIFY POWER REQUIREMENTS FROM EXISTING POLE, SEE SHEET A-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 ELECTRICAL FEED AREA THRU STEEL 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.

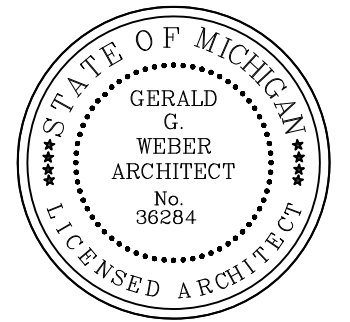


PLAN

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



THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION



GERALD G. WEBER
 ARCHITECT

13711
 Madison Avenue
 Lakewood
 Ohio 44107
 216.226.6009
 FAX 216.521.2206



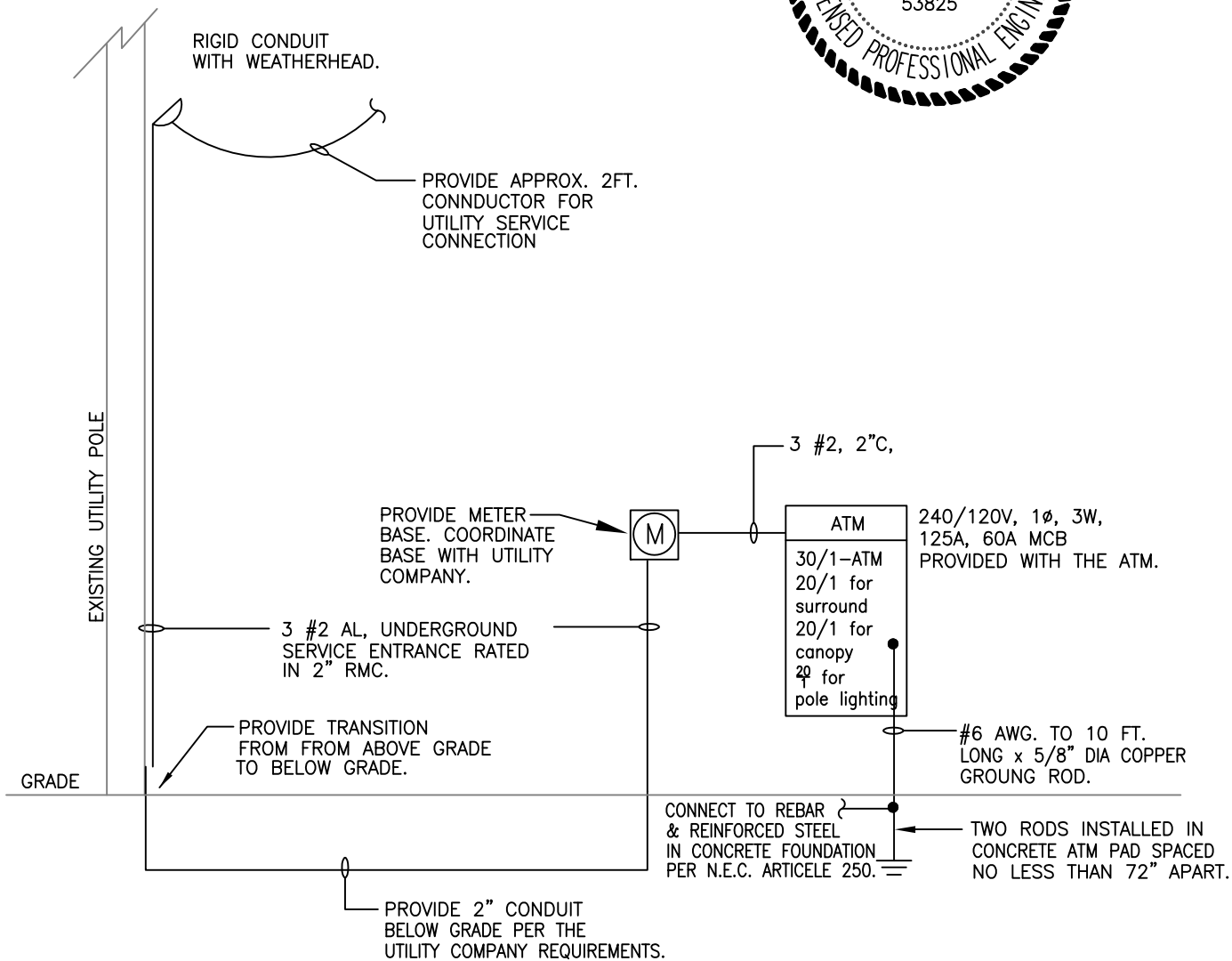
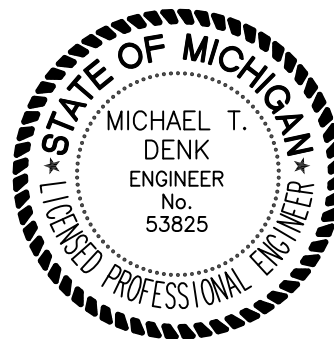
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Project:
Fifth Third Bank
XTEM Rochester Hills
ATM Installation
 1370 Walton Boulevard
 Rochester Hills, MI

Drawing Name:
Electrical Plan

Project No: 13001
Drawing No: E-2

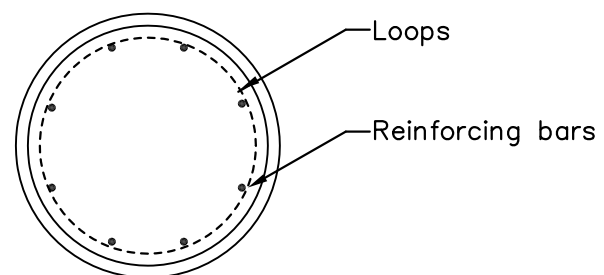
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ATM POWER DIAGRAM

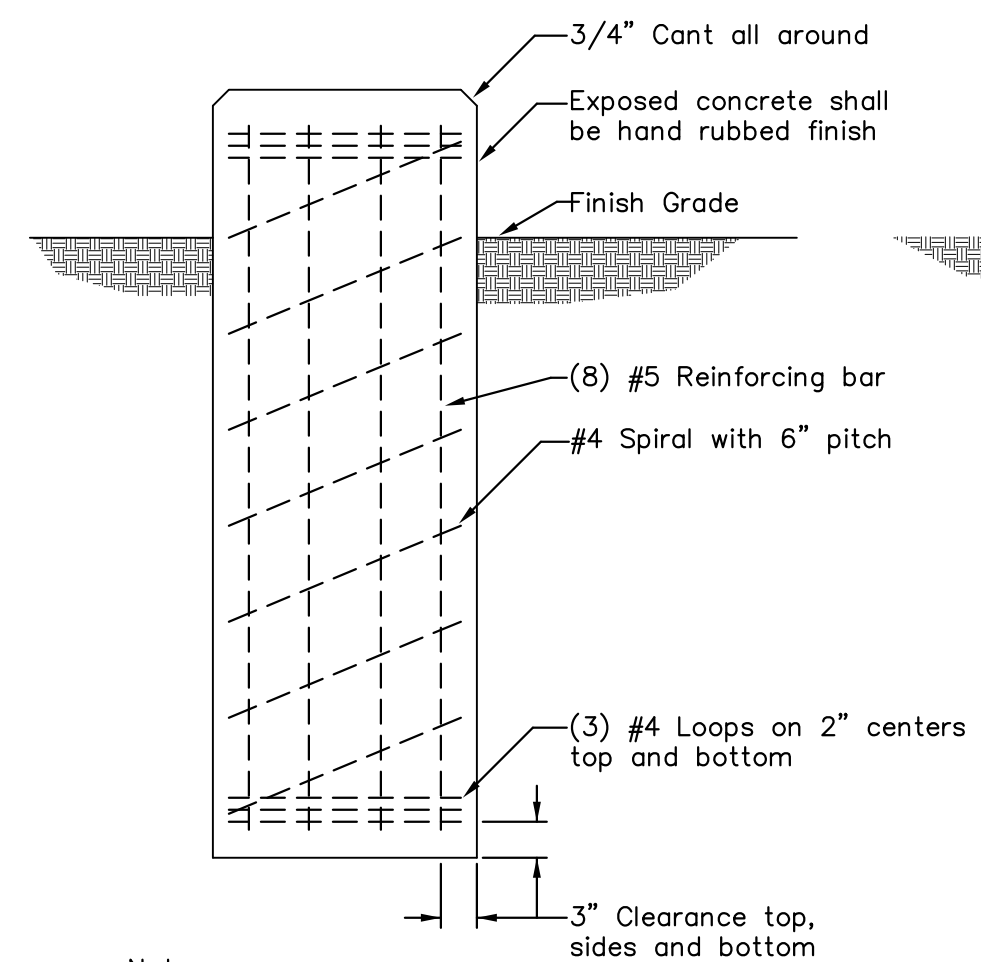
SCALE: NONE

1



PLAN VIEW

N.T.S.

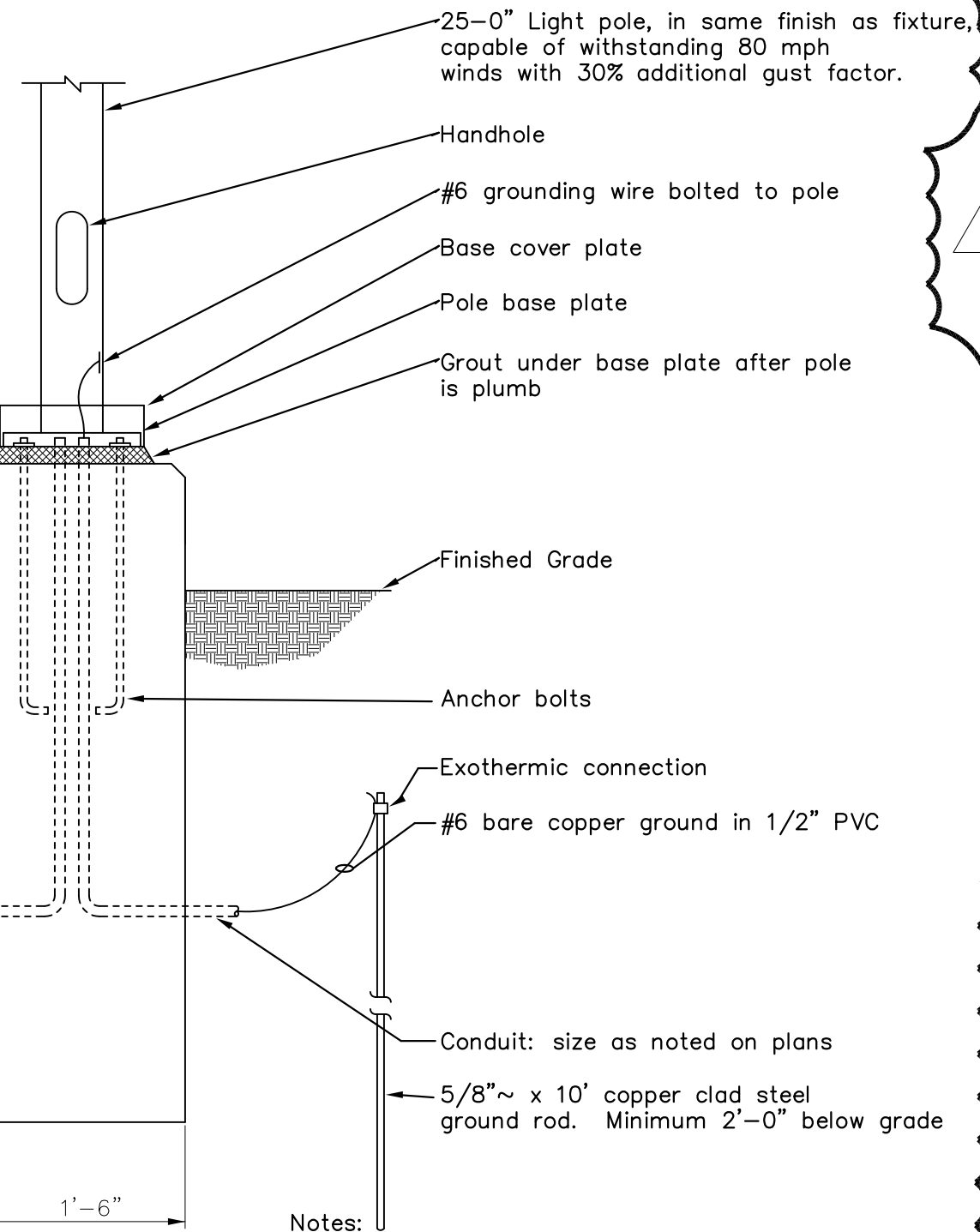


Notes:

1. Use 3000 PSI 28 Day strength concrete for pole base.
2. Place concrete the same day base is drilled.
3. Use Sonotube form above grade and extend to 6" below grade.
4. Refer to pole base detail for dimensions.

POLE BASE CONCRETE AND REINFORCING DETAIL

2 SCALE: NTS



Notes:

1. Verify anchor bolt locations with manufacturer's template prior to base construction.
2. Refer to pole base concrete and reinforcing detail for additional requirements.
3. This pole base shall be used where pole is in traffic area not protected by curb or other barrier.

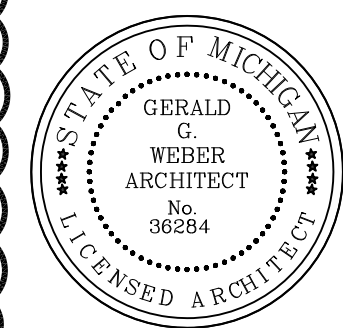
POLE BASE DETAIL

1 SCALE: NTS

THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION

Date:	Issued For:
2-23-13	Owner's Review and Permit
2-23-13	Conditional Use Submission
4-1-13	Permit Review
5-7-13	Revised per Planning Commission

1



GERALD G. WEBER ARCHITECT

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Project:
Fifth Third Bank XTEM Rochester Hills ATM Installation
1370 Walton Boulevard
Rochester Hills, MI

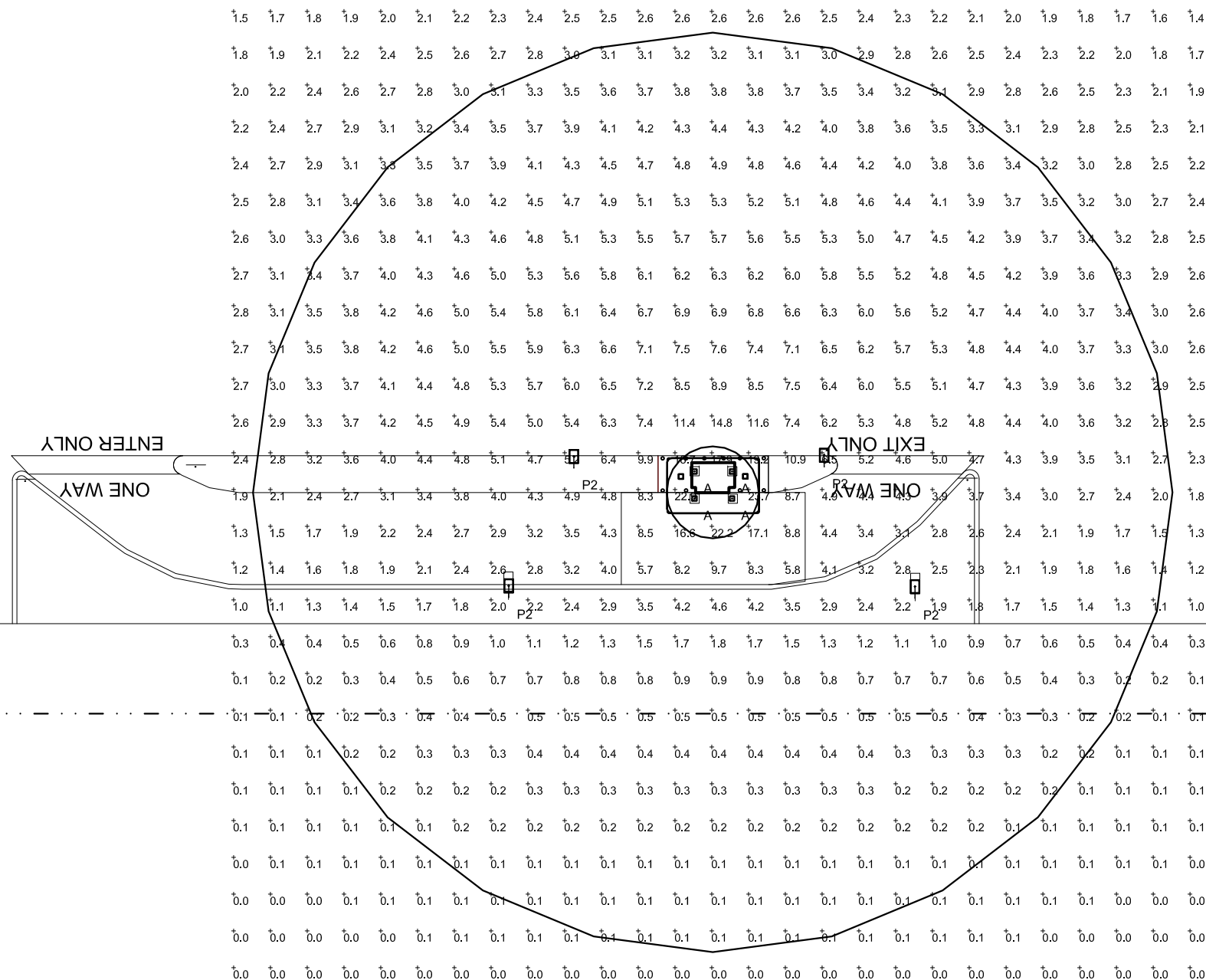
Drawing Name:
Electrical Details

Project No: 13001
Drawing No: E-4

NOTES:
 CANOPY FIXTURES MTD AT 11'-0" A.F.G.
 POLE FIXTURES MTD TO 25' POLE ON A 2'-6" CONCRETE BASE.

Luminaire Schedule									
Project: Fifth Third Bank - Rochester Hills									
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Lum. Watts	Description	Total Watts	
☐	4	A	SINGLE	N.A.	0.828	40	Lithonia RT5D LED 40K VOLT	160	
☐	4	P2	SINGLE	N.A.	0.837	188	Lithonia DSX2 LED 80C 700 40K T4M MVOLT HS SPA DDBXD/SSS 25 4G DM28AS DDB	752	

KLI Calculation Summary								
Project: Fifth Third Bank - Rochester Hills								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	
CalcPts	illuminance	Fc	2.69	23.7	0.0	N.A.	N.A.	
50'	illuminance	Fc	3.34	23.7	0.1	33.40	237.00	



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 FOR CONSTRUCTION

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Design Criteria			
DESIGN FILE:	53-rochester hills.agi	FIXTURE LAYOUT IS BASED ON A REFLECTANCE VALUES UNLESS NOTED OTHERWISE	LIGHT LOSS FACTOR AND UNLESS NOTED OTHERWISE
MINIMUM:	AVE./MIN:	INTERIOR LIGHTING LEVELS ARE SHOWN AT A.F.F. UNLESS NOTED OTHERWISE	EXTERIOR LIGHTING LEVELS ARE SHOWN AT 3'-0" A.F.G. UNLESS NOTED OTHERWISE
MAXIMUM:	MAX./AVE:		
AVERAGE: XXX	MAX/MIN:		

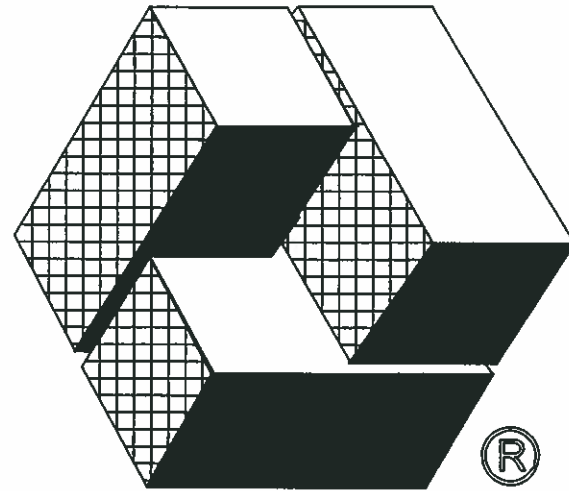
King Lighting, Inc.
 515 Madison Avenue, Suite 300
 Covington, Kentucky 41011
 (859) 261-5511 Fax (859) 261-2228
 www.king-lighting.com

Lighting Calculaiton for
 Fifth Third Bank - Rochester Hills

1370 Walton Blvd
 Rochester Hills, MI

PHOTOMETRIC LAYOUT	SCALE 1"=16'	DESIGNER MHT	CHECKED MHT	DATE 5/7/13	SHEET PP1
--------------------	--------------	--------------	-------------	-------------	-----------

Disclaimer:
 AGI and Genlyte has made great efforts to ensure the accuracy of their programs, however AGI, Genlyte and King Lighting Inc. assume no liability for the decisions made with the assistance of these design programs. Actual light levels generated by installed luminaires may differ from the light levels predicted by AGI or GENESYS for a number of reasons including (but not limited to) electrical supply, equipment tolerances, installation details, lamp/ballast interaction, thermal factors and obstructions from within the space.



Couvrette

BUILDING SYSTEMS

565 ELECTRIC ROAD
SALEM, VA. 24153

(540) 375-2608 PHONE
(540) 375-2638 FAX

STATE OF MICHIGAN APPLICABLE CODE:
2009 Michigan Building Code

DESIGN INFORMATION:

OCCUPANCY / USE GROUP: B
CONSTRUCTION TYPE: VB
GROUND SNOW LOAD: 30 PSF
MAX. WIND LOAD(3 s gust): 132 MPH, EXPOSURE C
FLOOR LIVE LOAD: UNIFORM - N/A
CONCENTRATED - N/A

SEISMIC - SPECTRAL RESPONSE ACCELERATION:

$S_s = 150\%$
 $S_i = 60\%$

SEISMIC DESIGN CATEGORY - D
SITE CLASS - D
NUMBER OF STORIES: 1
BUILDING/CANOPY AREA: 60 sq. FT.
HEIGHT: 119" OR 107"
CANOPY HEIGHT: 24"

FIELD WORK:

1. ANCHORING OF CANOPY TO FOUNDATION
2. INSTALLATION OF AUTOMATIC TELLER MACHINE (ATM).

NOTES:

1. THIS BUILDING NOT INTENDED FOR HUMAN OCCUPANCY.
2. PLUMBING FACILITIES BASED ON LOCAL JURISDICTION.
3. KIOSK DOORS INTENDED FOR EQUIPMENT MAINTENANCE ONLY. THIS BUILDING IS NOT INTENDED, NOR SHALL BE UTILIZED FOR HUMAN OCCUPANCY. ENGINEER ACCEPTS NO RESPONSIBILITY FOR DOORWAY WIDTH OR BUILDING EGRESS. LOCAL OFFICIAL TO DETERMINE CODE COMPLIANCE.
4. ATM HEIGHT TO FINISH GRADE TO BE DETERMINED BY LOCAL JURISDICTION ON SITE.

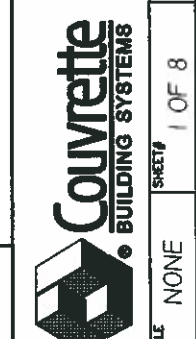
DRAWING INDEX	
DWG. #	DESCRIPTION
CP-T-TS	TITLE SHEET
20673	LOAD BEARING TRUSS
00305	COLUMN ASSEMBLY DETAILS
00206	BOTTOM FRAME ASSEMBLY
20674	24" STD. INTERMEDIATE TRUSS
00307	CANOPY ASSEMBLY DETAIL
00308	24" STANDARD LAYOUT
00264	CANOPY INSTALLATION - ISLAND

FIELD WORK

FOR REFERENCE ONLY

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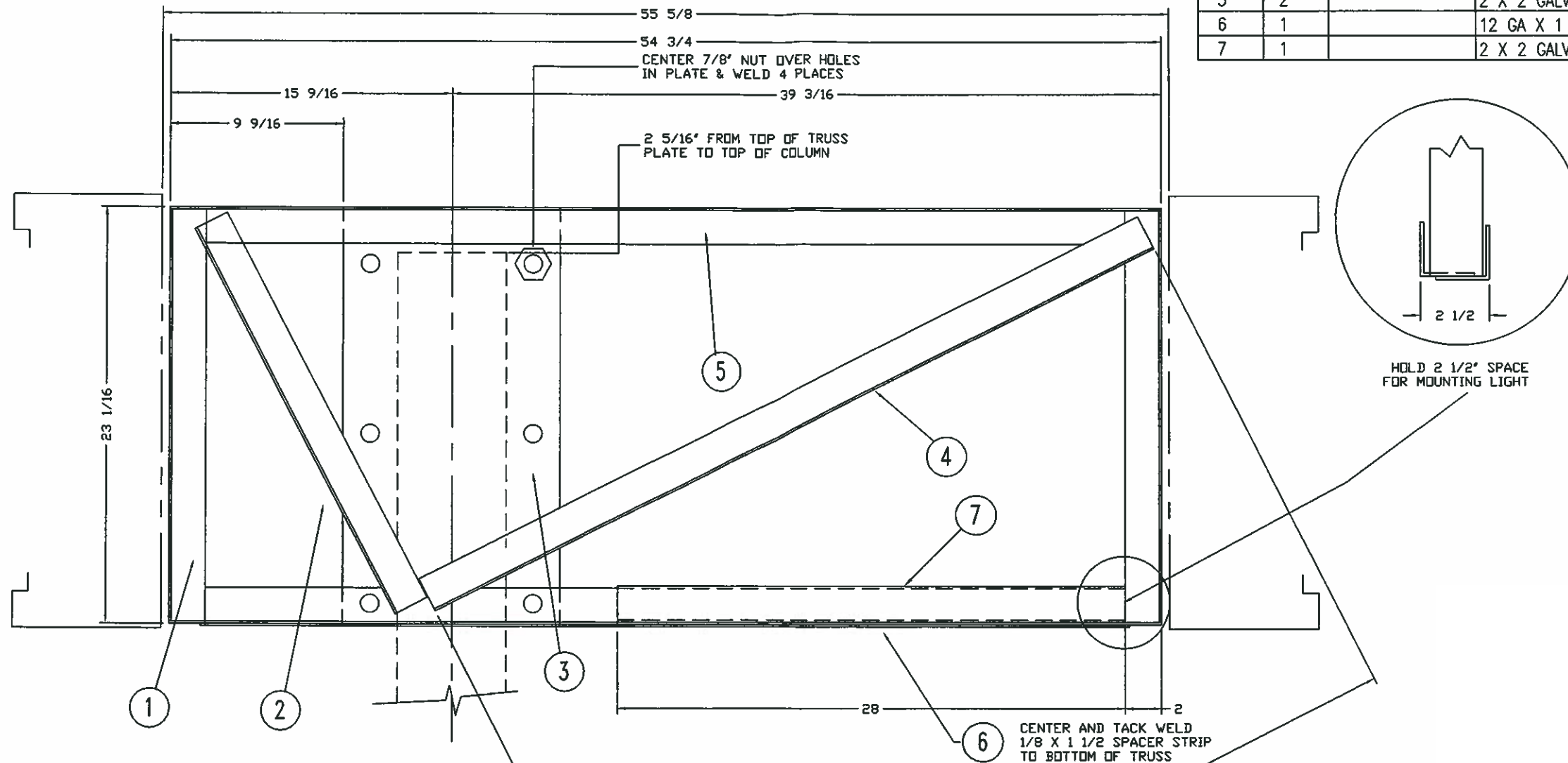
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SALEM, VA 24153
540.375.2608 PHONE
540.375.2638 FAX



SCALE: NONE
SHEET# 1 OF 8
FILE NAME: CP-T-TS.DWG
REV

DRAWING DESCRIPTION: 6' x 10' ISLAND CANOPY TITLE SHEET
DRAWING NUMBER: CP-T-TS

BILL OF MATERIAL			
MARK	QT'Y	DRAWING NO.	DESCRIPTION
1	2		2 X 2 GALV ANGLE X 22 7/8
2	1		2 X 2 GALV. ANGLE X 24
3	1		3/8 X 12 W X 23 H STEEL PLATE
4	1		2 X 2 GALV ANGLE X 44 1/2
5	2		2 X 2 GALV ANGLE X 54 3/4
6	1		12 GA X 1 1/2 GALV STRIP X 49 1/4
7	1		2 X 2 GALV ANGLE X 28



NOTE:
 1 - TWO TRUSS ASSEMBLIES REQUIRED PER UNIT. FABRICATE ONE AS LEFT HAND AND ONE AS RIGHT (REVERSE). TRUSS SHOWN IS RIGHT HAND CONFIGURATION.
 2 - ALL WELDS 1/8" CONTINUOUS FILLET WELDS.

FOR REFERENCE ONLY

REV.	DESCRIPTION	BY	DATE
7			
6			
5			
4			

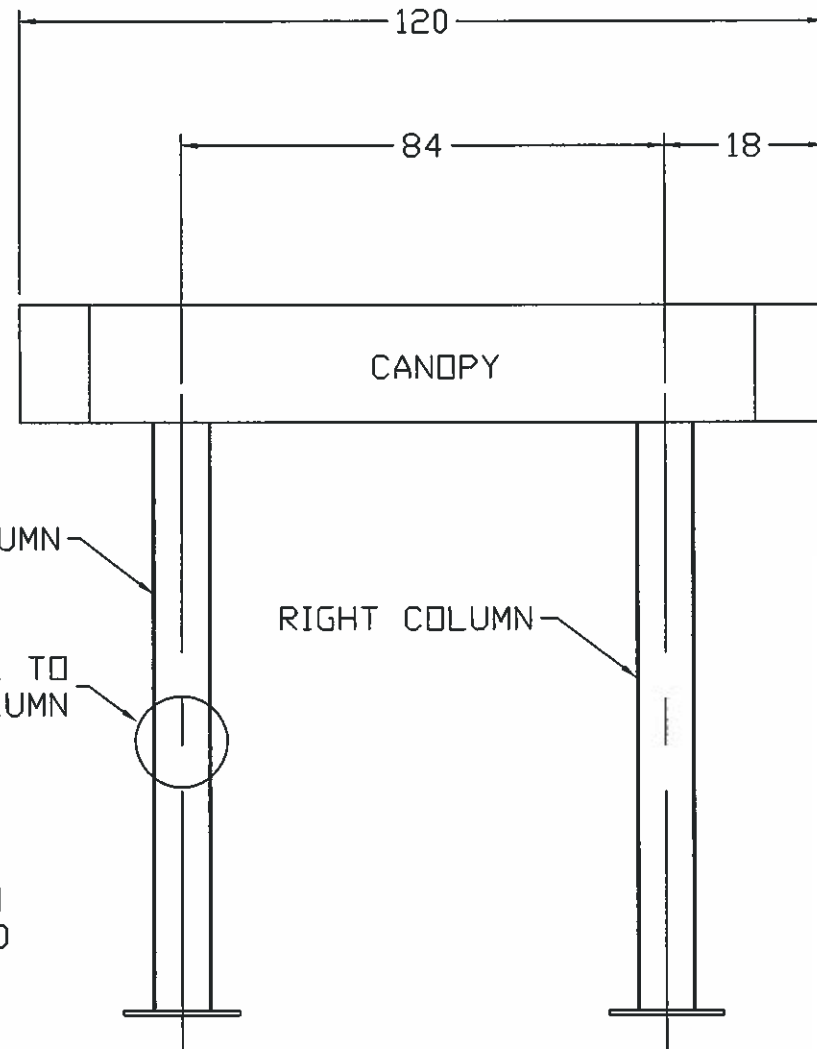
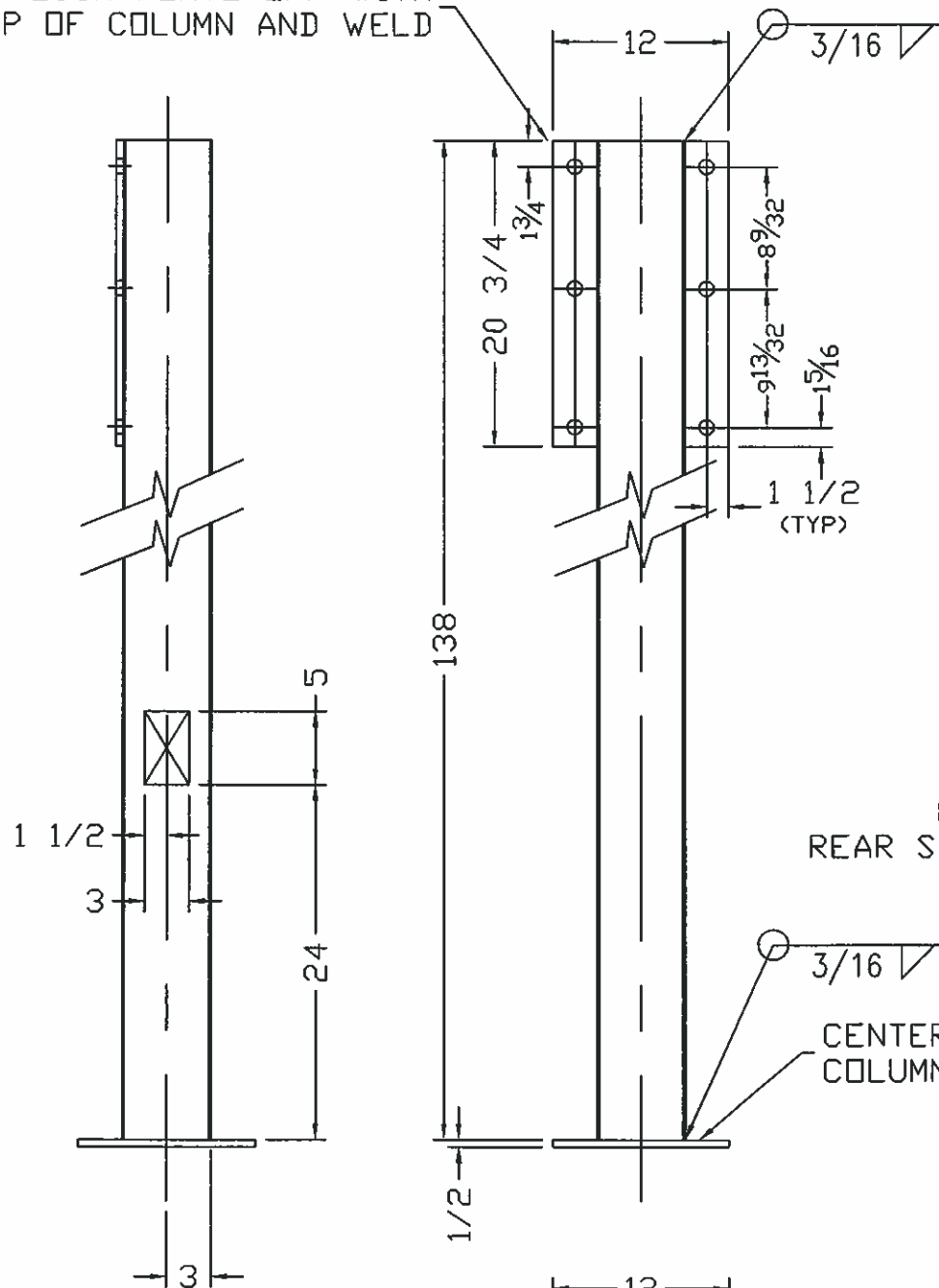
TOLERANCES:	24" SIGN CAN
FRACTIONS:	LOAD BEARING TRUSS
± 1/16"	6 X 10 ISLANDER CANOPY
DECIMALS:	ASSEMBLY
X.XXX"	
± 0.015"	
DO NOT SCALE DRAWING	

Couvrette
 BUILDING SYSTEMS
 LAKESIDE, CALIF.
 SALEM, VIRGINIA

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FINISH	NAME	DATE	DRAWING NUMBER	REV.
MAT'L SEE B/M	GML	9/9/05	20673	1
SCALE: NONE	DRAWN BY	CHK'D BY		

FLUSH PLATE OFF WITH TOP OF COLUMN AND WELD



BILL OF MATERIAL			
MARK	QT'Y	DRAWING NO.	DESCRIPTION
1	2		3/8 X 12 X 20 3/4 COL. PLATE
2	2		3/16 X 6 X 6 COLUMN
3	2		1/2 X 12 X 12 PAD PLATE
4	2		1/2 X 4 STRIP X 12 GA GALV
5	1		4 X 6 COVER X 12 GA GALV

LEFT COLUMN

RIGHT COLUMN

ELECTRICAL TO REAR SIDE OF COLUMN

CANOPY

CENTER PLATE ON COLUMN AND WELD

NOTE:

1 - DIMENSIONS FOR ISLANDER WITH 24" SIGN CANS AN 9'-0" CLEARANCE.

2 - ITEM QUANTITIES ARE BASED ON ONE COLUMN. TWO COLUMNS ARE REQUIRED PER UNIT.

FOR REFERENCE ONLY

REV.	DESCRIPTION	BY	DATE
7			
6			
5			
4			

TOLERANCES:	COLUMN ASSEMBLY
FRACTIONS:	STANDARD 24"
± 1/16"	6 X 10 ISLANDER CANOPY
DECIMALS:	9' 0" CLEARANCE
X.XXX"	
± 0.015"	
DO NOT SCALE DRAWING	

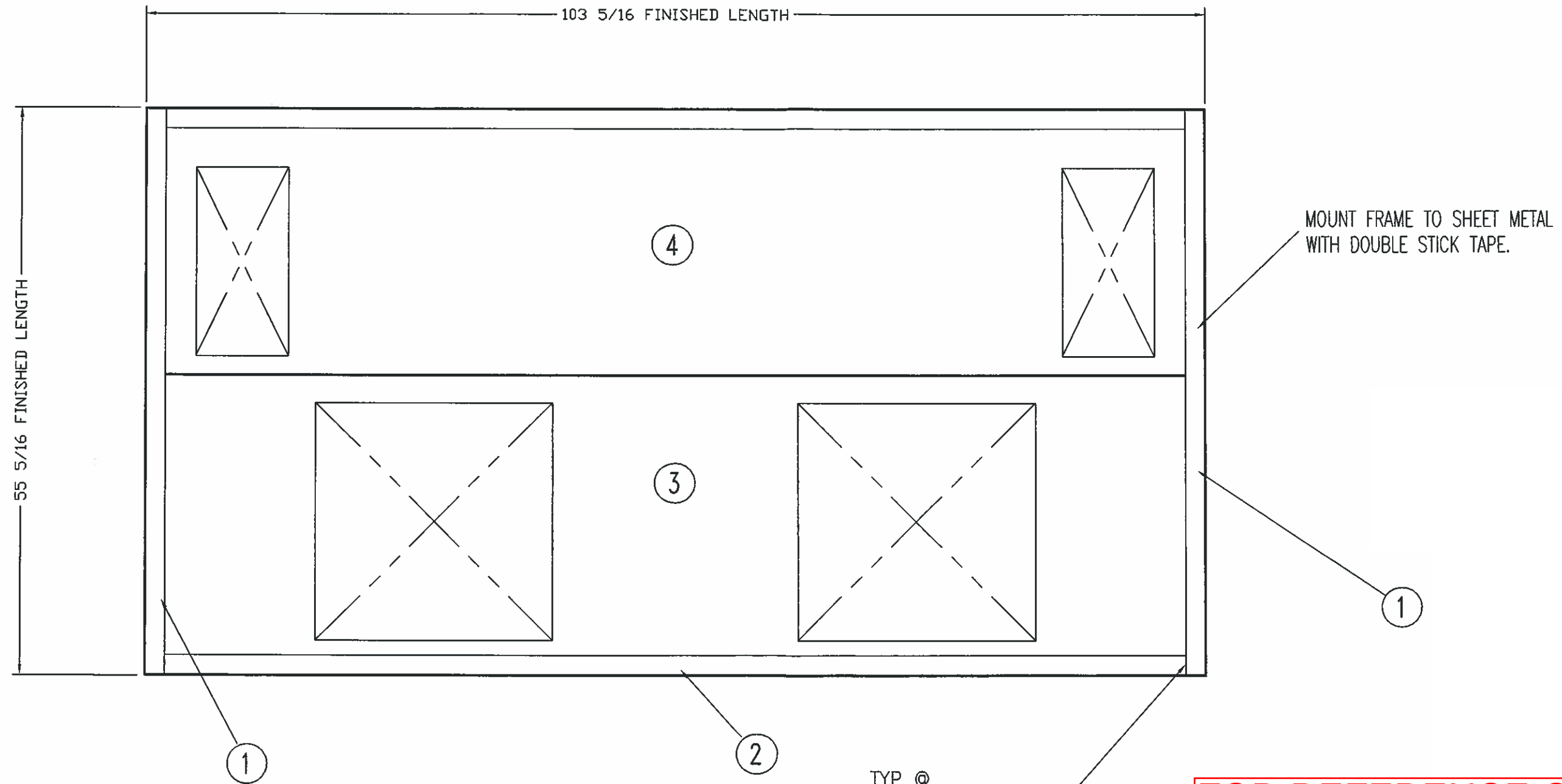


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FINISH PRIME / PAINT	NAME	DATE	DRAWING NUMBER	REV.
MAT'L N/A	JAD	5/6/02	00305	0
SCALE: NONE	CHK'D BY			

BILL OF MATERIAL			
MARK	QTY	DRAWING NO.	DESCRIPTION
1	2		2 X 2 GALV ANGLE X 54 3/4
2	2		2 X 2 GALV ANGLE X 103
3	1		SOFFIT PAN FRONT HALF
4	1		SOFFIT PAN REAR HALF

NOTE: ALL GALVANIZED ANGLES ARE TO BE 1/8" THICK



TYP @ CORNER 1/8

FOR REFERENCE ONLY

REV.	DESCRIPTION	BY	DATE
7			
6			
5			
4			

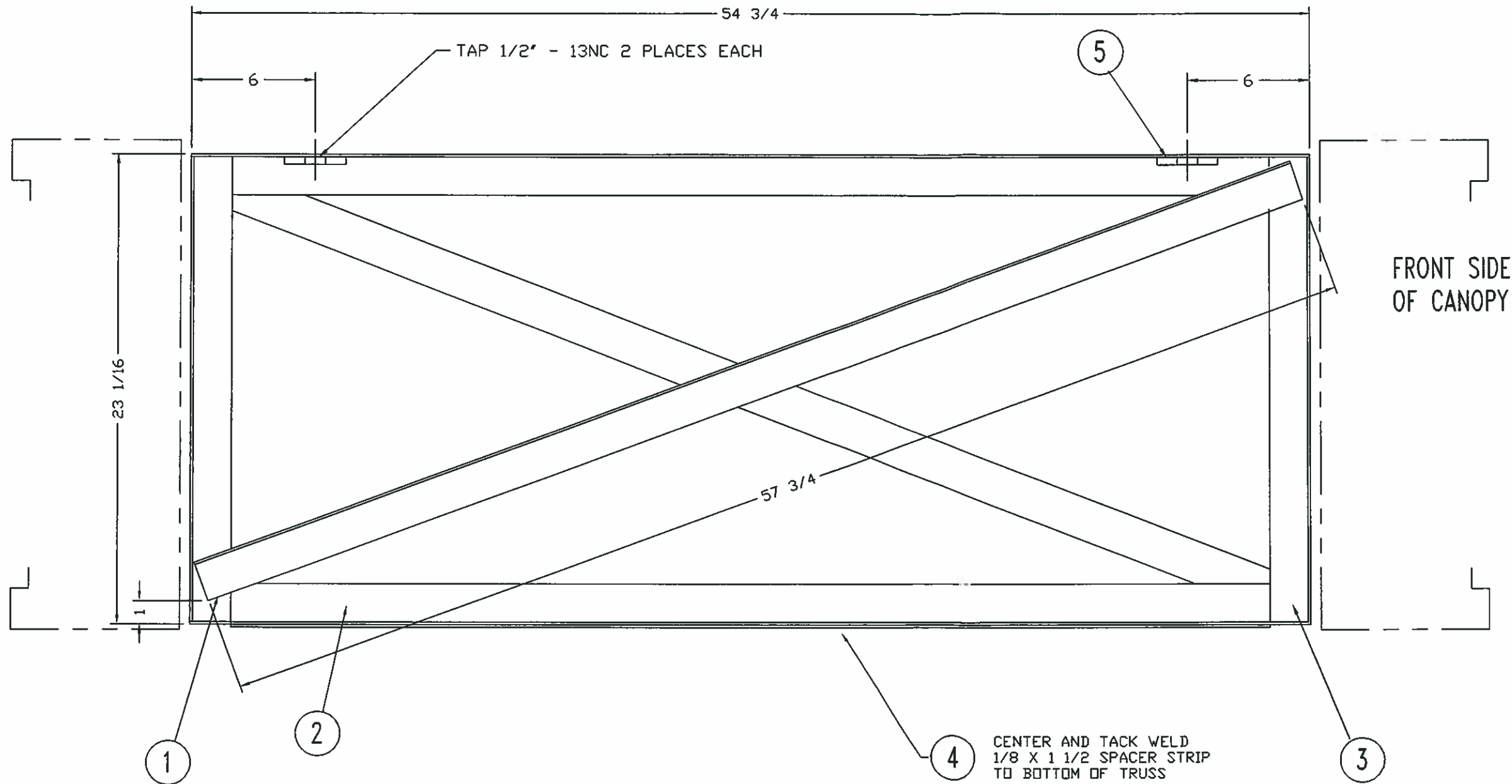
TOLERANCES:	24" STANDARD
FRACTIONS:	BOTTOM FRAME ASSEMBLY
DECIMALS:	6 X 10 ISLANDER CANOPY
± 1/16"	
X.XXX"	
± 0.015"	
DO NOT SCALE DRAWING	

Couvrette
BUILDING SYSTEMS
LAKESIDE, CALIF.
SALEM, VIRGINIA

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FINISH	NAME	DATE	DRAWING NUMBER	REV.
MATL	DRAWN BY	JAD	5/6/02	
SCALE: NONE	CHK'D BY		00260	

BILL OF MATERIAL			
MARK	QT'Y	DRAWING NO.	DESCRIPTION
1	2		2 X 2 GALV ANGLE X 57 3/4
2	2		2 X 2 GALV ANGLE X 54 3/4
3	2		2 X 2 GALV ANGLE X 22 7/8
4	1		1/8 X 1 1/2 GALV STRIP X 49 1/4
5	2		3/8 X 2 FLAT BAR X 3



FRONT SIDE
OF CANOPY

NOTE:
1 - TWO TRUSS ASSEMBLIES REQUIRED PER UNIT.
FABRICATE ONE AS LEFT HAND AND ONE AS RIGHT (REVERSE).

FOR REFERENCE ONLY

REV.	DESCRIPTION	BY	DATE	FINISH	MAT'L	SCALE	NAME	DATE	DRAWING NUMBER	REV.
7										
6										
5	1 rev per shop	dwb	3/26/08				GML	5/2/05	20674	1
4										

TOLERANCES:
FRACTIONS: ± 1/16"
DECIMALS: X.XXX" ± 0.015"
DO NOT SCALE DRAWING

24" SIGN CAN
INTERMEDIATE TRUSS
6X10 ISLANDER CANOPY
ASSEMBLY



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 LAKESIDE, CA 92040
 619.938.8000 PHONE
 619.938.8001 FAX

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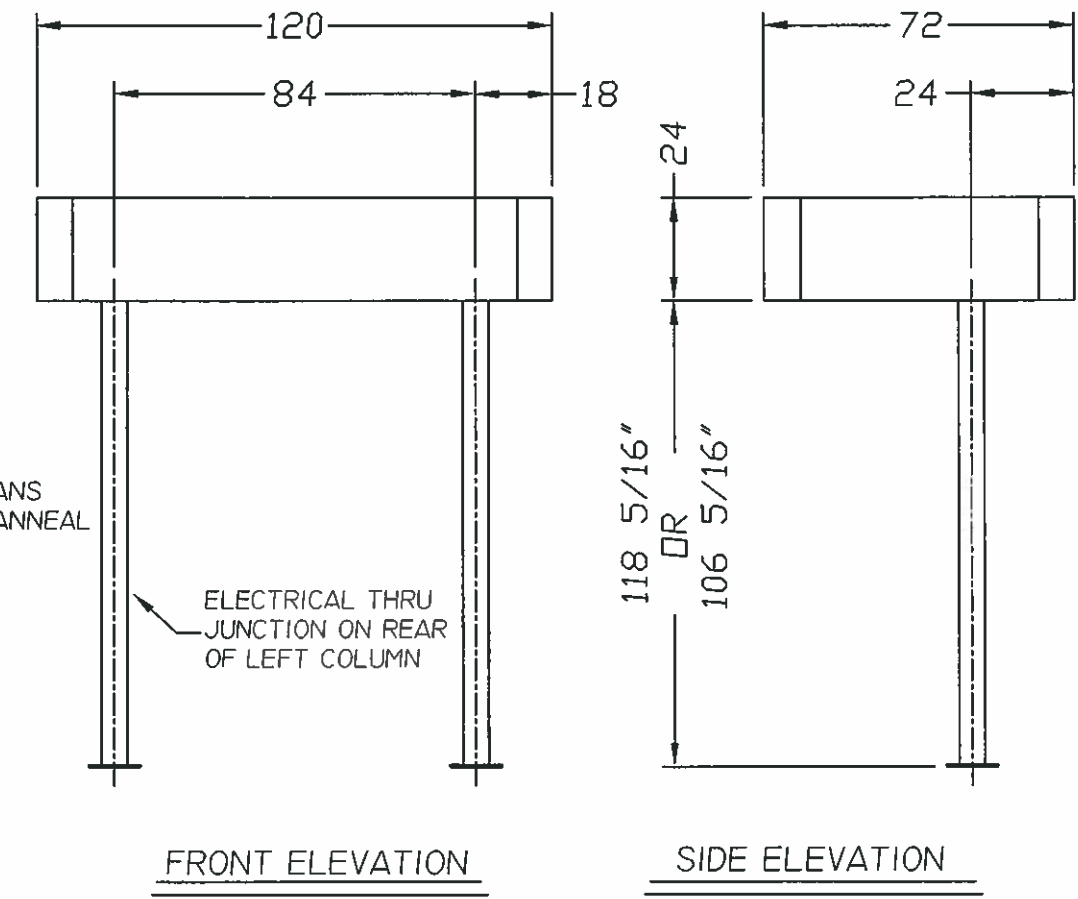
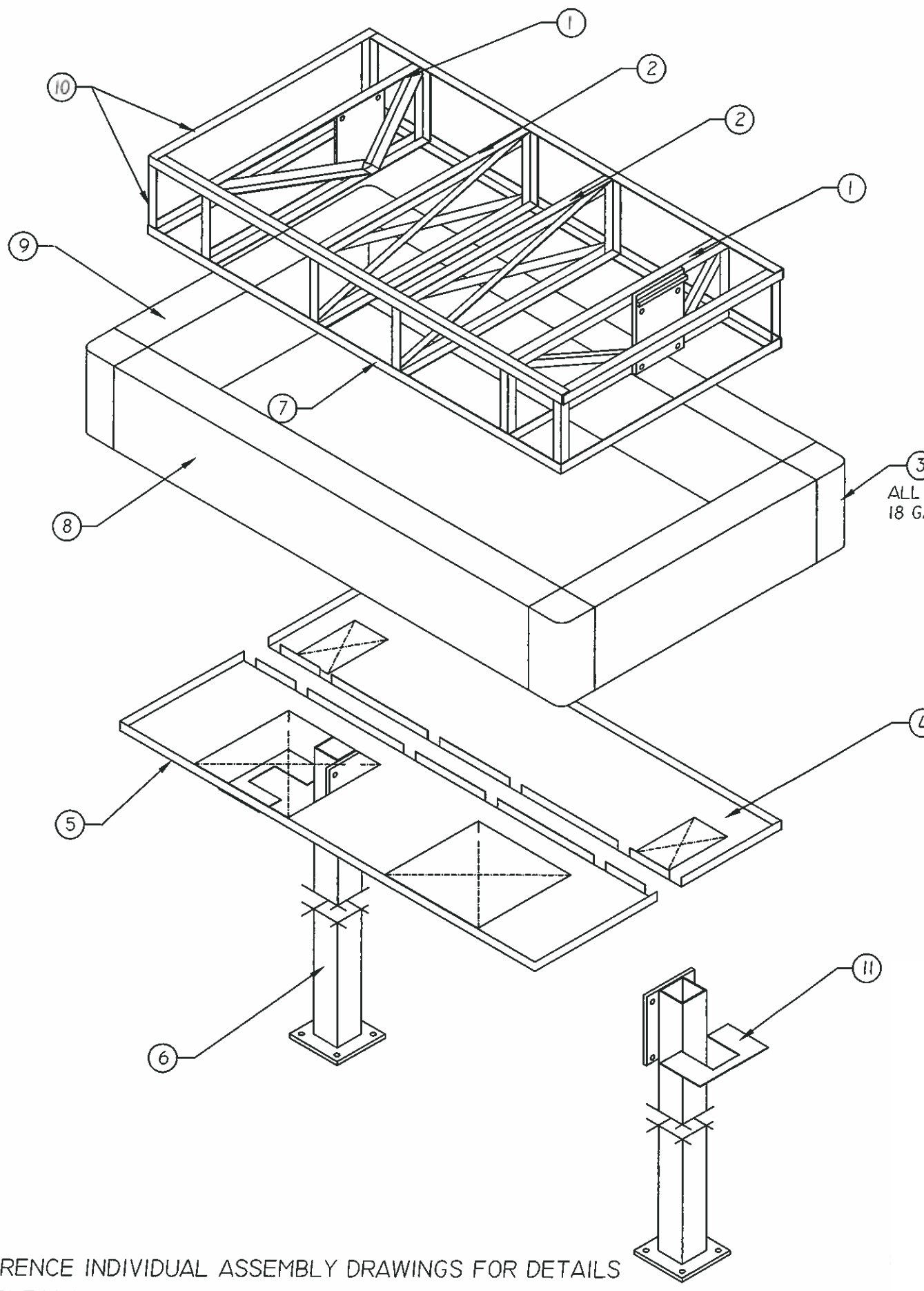
SCALE NONE SHEET# 00263 FILE NAME

DATE 11/11/02

APPROVALS
 DRAWN JAD
 CHECKED ENR
 DESIGN ACTIVITY

DRAWING DESCRIPTION
 6' X 10' ISLAND CANOPY
 ASSEMBLY DETAIL

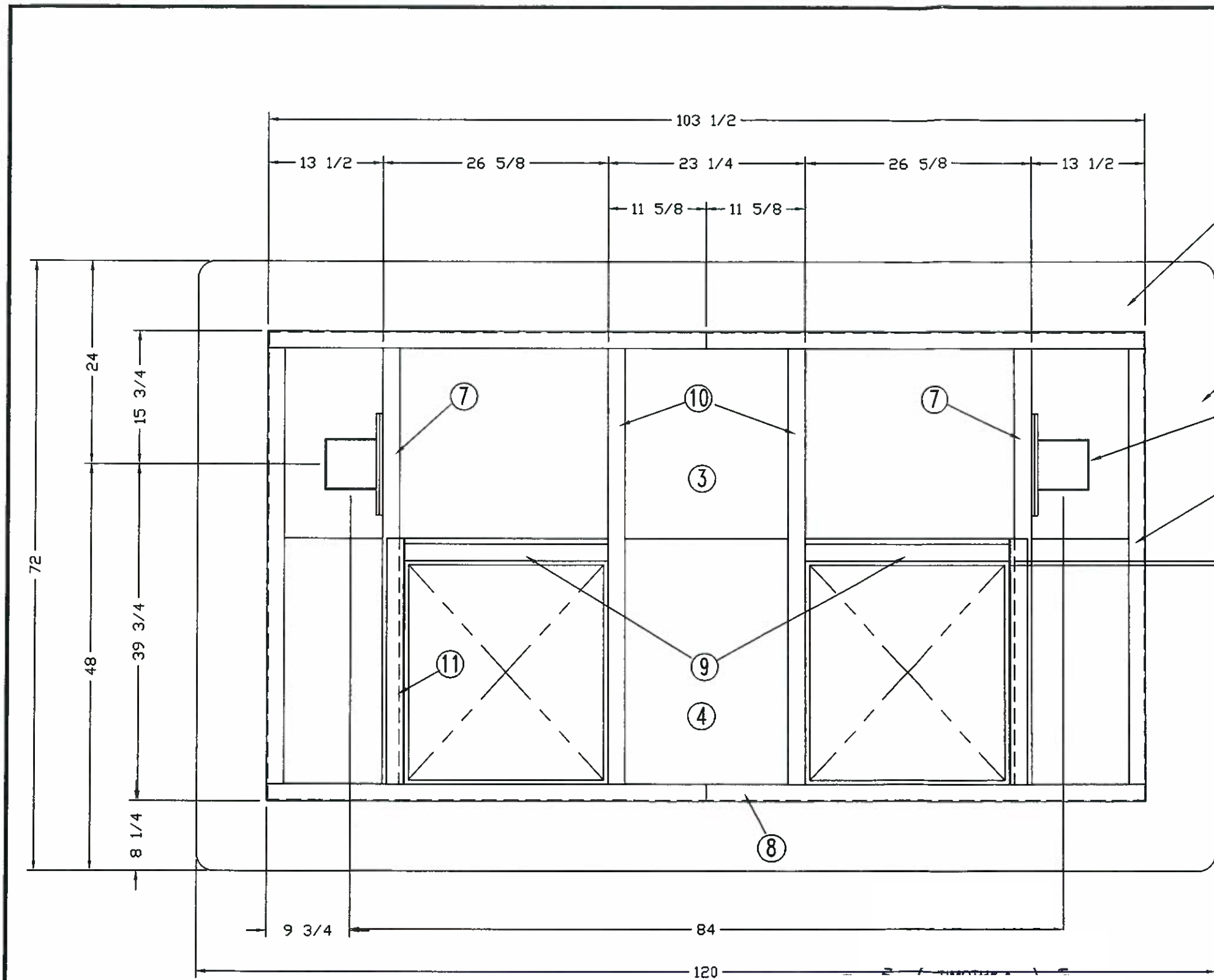
DRAWING NUMBER
00307



NOTES:
 1- REFERENCE INDIVIDUAL ASSEMBLY DRAWINGS FOR DETAILS
 10 FT. CLEARANCE WITH ISLAND HEIGHT.

FOR REFERENCE ONLY

ITEM	QTY.	DESCRIPTION	DRAWING NO.
11	2	ACCESS COVER PLATE	
10	1	TOP FRAME ASSEMBLY	
9	2	LEFT / RIGHT SIDE SIGN CAN	
8	2	FRONT / REAR SIGN CAN	
7	2	SOFFIT FRAME ASSEMBLY	
6	2	COLUMN ASSEMBLY	
5	1	SOFFIT, FRONT HALF	
4	1	SOFFIT, REAR HALF	
3	4	CORNER CAP	
2	2	INTERMEDIATE TRUSS ASSEMBLY	
1	2	LOAD BEARING TRUSS	



BILL OF MATERIAL			
MARK	QTY	DRAWING NO.	DESCRIPTION
1	2		BACKLIT FRONT/REAR SIGN CAN
2	2		BACKLIT SIDE SIGN CAN
3	1		REAR SOFFIT PAN
4	1		FRONT SOFFIT PAN
5	2		2 X 2 X 12 GA GALV ANGLE X 55
6	2		COLUMN AND PLATE ASSEMBLY
7	2		LOAD BEARING TRUSS ASSEMBLY
8	4		2 X 2 X 12 GA GALV ANGLE X 51 5/8
9	2		1 1/2 X 2 X 12 GA GALV ANGLE X 24 1/8
10	2		INTERMEDIATE TRUSS ASSEMBLY
11	2		2 X 2 X 12 GA GALV ANGLE X 28
12	4		2 X 2 X 12 GA GALV ANGLE X 22 3/4

MOUNT ANGLES AS SHOWN WITH FACE OF ANGLE TOWARDS LIGHT. ANGLE WITH HOLES MUST BE MOUNTED WITH HOLES CENTERED IN LIGHT OPENING IN SOFFIT. USE LIGHT FIXTURE TO SET HEIGHT. LIGHT SHOULD PROTRUDE THROUGH SOFFIT OPENING BY APPROX 3/16" SHIM ANGLES IF REQUIRED TO GET THIS. THEORETICLY FACE OF ANGLE SHOULD EXTEND 1/16" INTO OPENING AT FINAL ASSEMBLY ATTACH LIGHT TO PLAIN ANGLE WITH SHEET METAL SCREWS

1/2" TYP. ALL AROUND OPENINGS

NOTE:
LIGHT HOUSING TO BE MOUNTED PRIOR TO PUTTING ROOF ON CANOPY

NOTE: ALL JOINTS TO BE WELDED 1/8" CONTINUOUS FILLET WELDS. WORK THIS DRAWING WITH INDIVIDUAL SUB-ASSEMBLY DRAWINGS.

FOR REFERENCE ONLY

REV.	DESCRIPTION	BY	DATE
3			
2			
1			

TOLERANCES:	24" STANDARD
FRACTIONS:	TRUSS LAYOUT
DECIMALS:	CANOPY ASSEMBLY
	6 X 10 ISLANDER CANOPY
DO NOT SCALE DRAWING	

Couvrette
BUILDING SYSTEMS
LAKESIDE, CALIF.
SALEM, VIRGINIA

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FINISH	NAME	DATE	DRAWING NUMBER	REV.
MAT'L	DRAWN BY	11/11/02	00308	
SCALE: NONE	CHK'D BY			

ALL CONCRETE ISLAND AND FOOTING WORK SHALL BE THE RESPONSIBILITY OF CUSTOMER

EPD RUBBER .060 TRL-FR BY VERSICO INSTALLED PER MANUFACTURERS INSTRUCTIONS OVER OSB DECKING AND SIGN CAN. SECURED TO THE EDGES WITH 1" GALVANNEAL STRIPS USING S-12 SCREWS AT 2" O.C.

3/4" OSB OVER STEEL FRAMING WITH 2" STAINLESS STEEL SELF TAPPING SCREWS AT 8" O.C.

CANOPY - PAINTED AUTO SMOOTH FINISH PER CUSTOMER SPECS. 18 GA. GALVANNEAL

TS 3/16 x 6 x 6 COLUMN TYP. OF 2

BOLLARD POST BY OTHERS

1/2" FLEXIBLE METAL CONDUIT W/12-2 WIRE (THWN CU) FROM CANOPY TO J.B.

CANOPY ELECTRICAL STUB-UP CANOPY REQUIRES SINGLE 20A. 120V, 1Ø CIRCUIT ON REAR OF COLUMN

4" X 4" X 1 1/2" J.B.

ELECTRICAL CONNECTION THRU MOUNTING PLATE OPENING. (FIELD INSTALLED)

1. COUVRETTE BUILDING SYSTEMS DOES NOT IMPLY OR WARRANT THE FOOTING INDICATED HEREIN IS SUITABLE FOR ALL SITES.
2. FOOTINGS ARE TO BE DESIGNED BY A QUALIFIED ENGINEER TO LOCAL SITE CONDITIONS.
3. EACH FOOTING INSTALLATION SHOULD BE VERIFIED BY THE LOCAL BUILDING INSPECTOR.
4. FOUNDATION DEPICTED IS FOR REFERENCE ONLY. ACTUAL FOUNDATION TO BE DESIGNED BY OTHERS.
5. ATM SHOWN FOR REFERENCE PURPOSES ONLY AND SHOULD NOT BE CONSTRUED AS PART OF THE ENGINEER'S APPROVAL.

10 FT. CLEARANCE

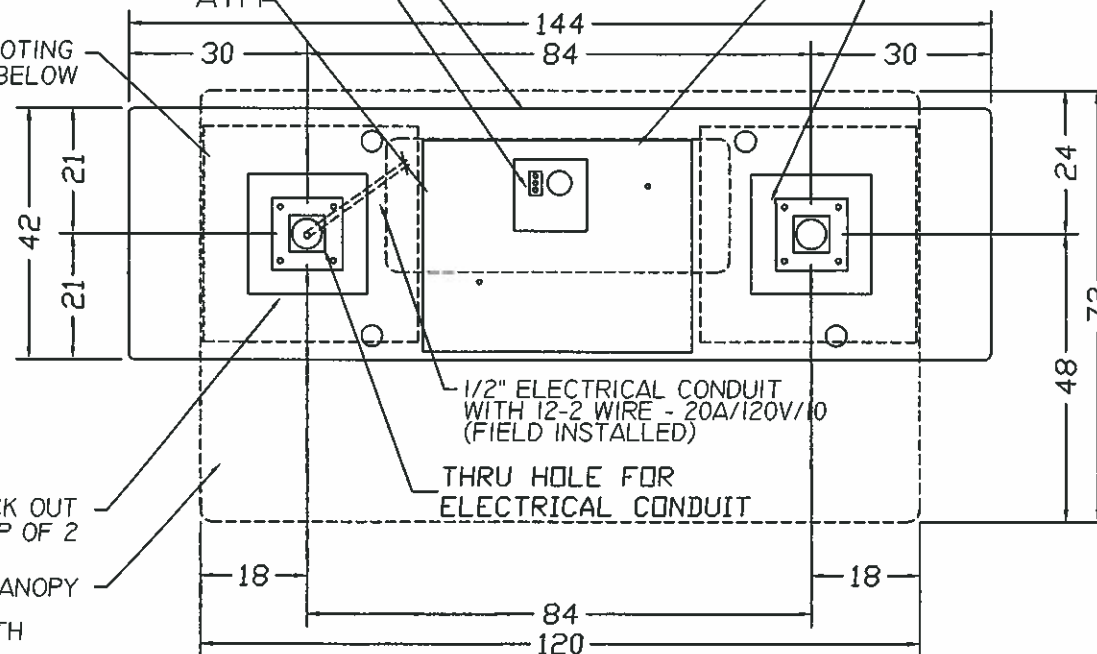
CONCRETE FOOTING (BY OTHERS)

3/4"Ø ANCHOR BOLT WITH ANCHOR CAPACITY OF MIN. 500 LBS SHEAR AND MIN. 4,000 LBS TENSION PER ANCHOR.

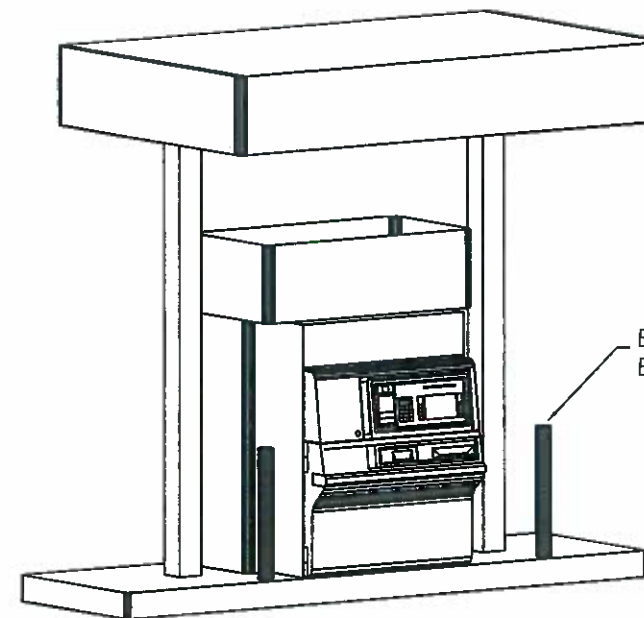
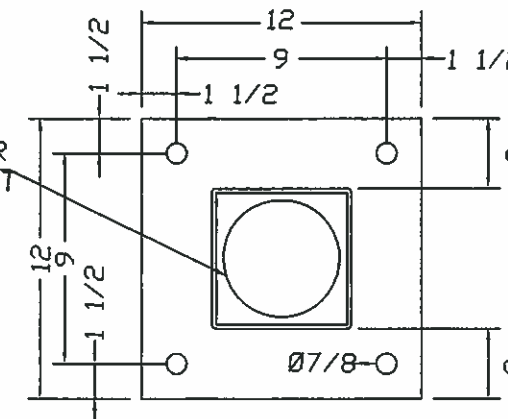
BLOCK OUT TYP OF 2

LINE @ CANOPY

ELECTRICAL STUB-UP LOCATIONS PER ATM SPECIFICATIONS ATM



THRU HOLE FOR ELECTRICAL CONDUIT



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540.375.2638 FAX

10529 VINE ST.
LAKESIDE, CA 92040
619.938.8000 PHONE
619.938.8001 FAX



DATE	5/7/02
APPROVALS	JAD
DRAWN	CHECKED
ENGR	DESIGN ACTIVITY
JAC	5/12/10

DRAWING DESCRIPTION
6' X 10' ISLAND CANOPY
INSTALLATION / ISLAND
DRAWING NUMBER

FILE NAME 00264

SCALE NONE

SHEET

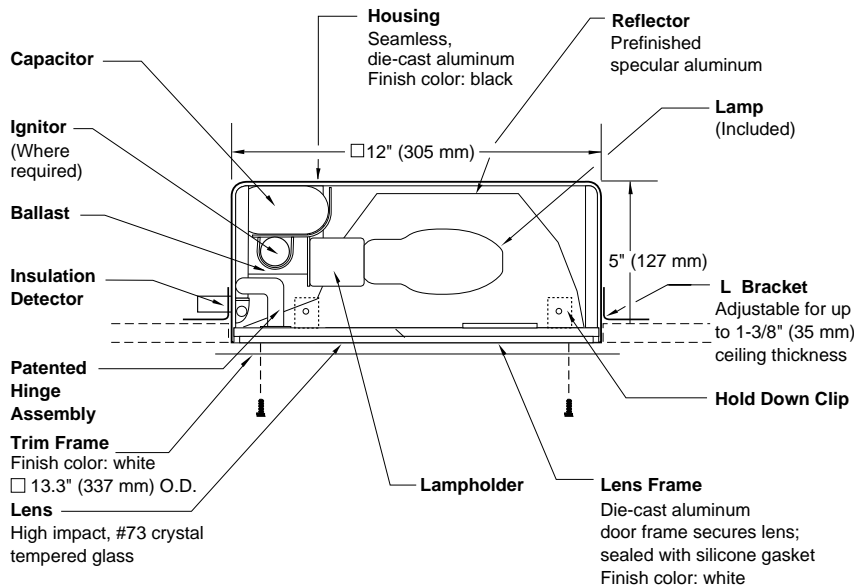
00264

FOR REFERENCE ONLY

RECESSED MOUNT

12" (305 mm) RECESSED CANOPY LIGHT

RCO-12 SERIES



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

FOR REFERENCE ONLY

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

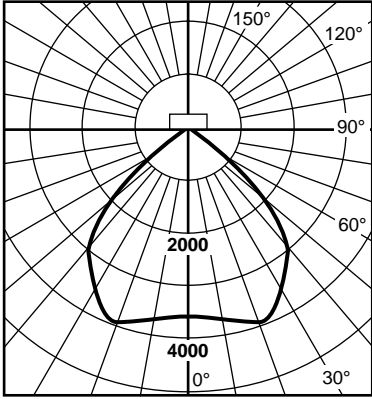
US 4,689,729

ACCESSORIES

LPF-12 2 x 2 Lay-in Panel

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

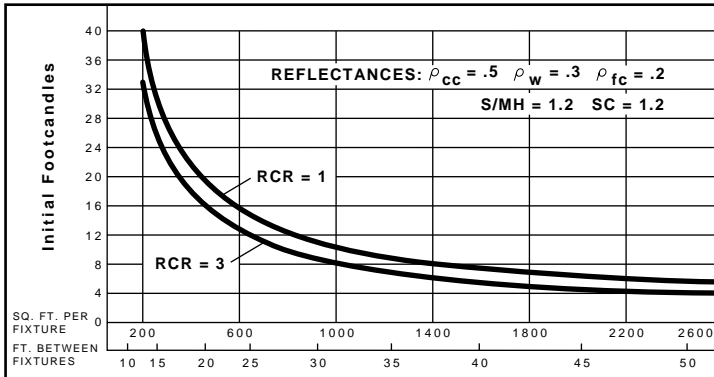
Zonal Lumens and Percentages

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			
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10			
WALL																				
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			



FOR REFERENCE ONLY

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.



THESE DRAWINGS ARE NOT TO BE USED FOR CONSTRUCTION

Date:	Issued For:
2-23-13	Owner's Review and Permit
2-23-13	Conditional Use Submission
4-1-13	Permit Review

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

- CURRENT EDITION OF THE MICHIGAN BUILDING CODE AND ALL STANDARDS, IN THEIR ENTIRETY.
- ACI 301-05, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.
- AISC CODE OF STANDARD PRACTICE, 2000 EDITION.

DESIGN LOADS

1. ROOF LOADS

GROUND SNOW LOAD, P_g	20 PSF
FLAT-ROOF SNOW LOAD, P_f	35 PSF
SNOW EXPOSURE FACTOR, C_e	1.3
SNOW LOAD IMPORTANCE FACTOR, I	1
THERMAL FACTOR, C_t	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, C_f	± 1.3
DESIGN PRESSURE	± 30 PSF

3. EARTHQUAKE LOAD

SEISMIC IMPORTANCE FACTOR, I_E	1.0
MAPPED SPECTRAL RESPONSE ACCELERATION, S_S	3.0
MAPPED SPECTRAL RESPONSE ACCELERATION, S_1	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 $V = C_s W = 0.4W$	2750 LBS
ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE	

SAFETY

- 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 THE PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

FOUNDATIONS

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

REINFORCING STEEL

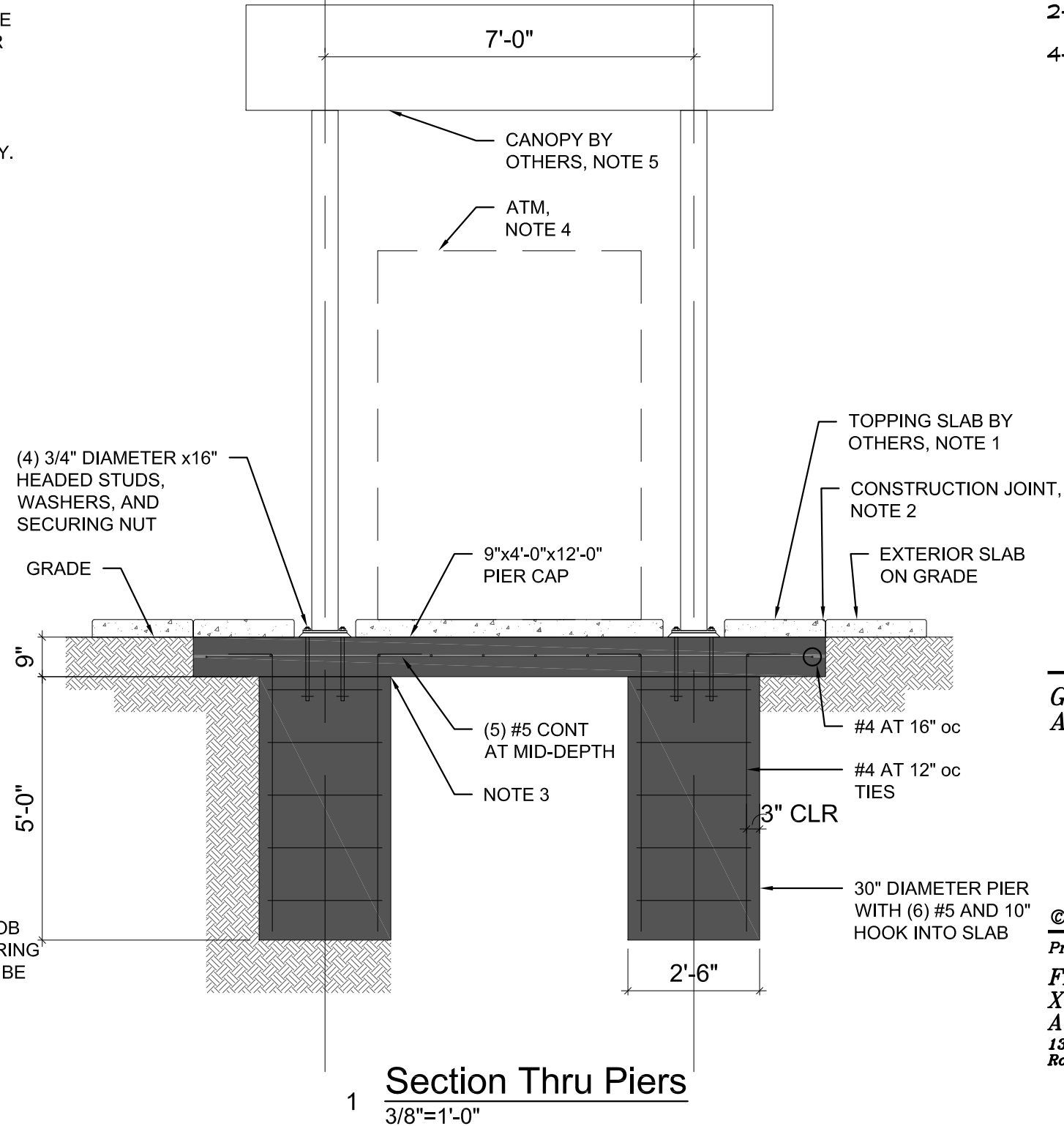
- DEFORMED REINFORCING BARS, ASTM 615. 60 KSI YIELD.

CONCRETE

- ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE
- MINIMUM CONCRETE STRENGTH 4,000 PSI AT 7 DAYS.

STRUCTURAL STEEL

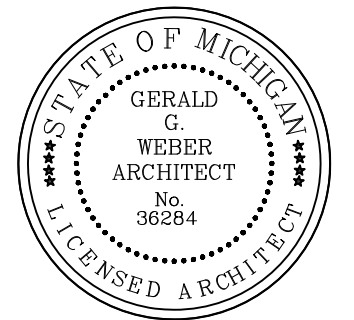
MATERIAL: ANCHOR BOLTS.....ASTM A307



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

NOTES:

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



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ARCHITECT

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Project:

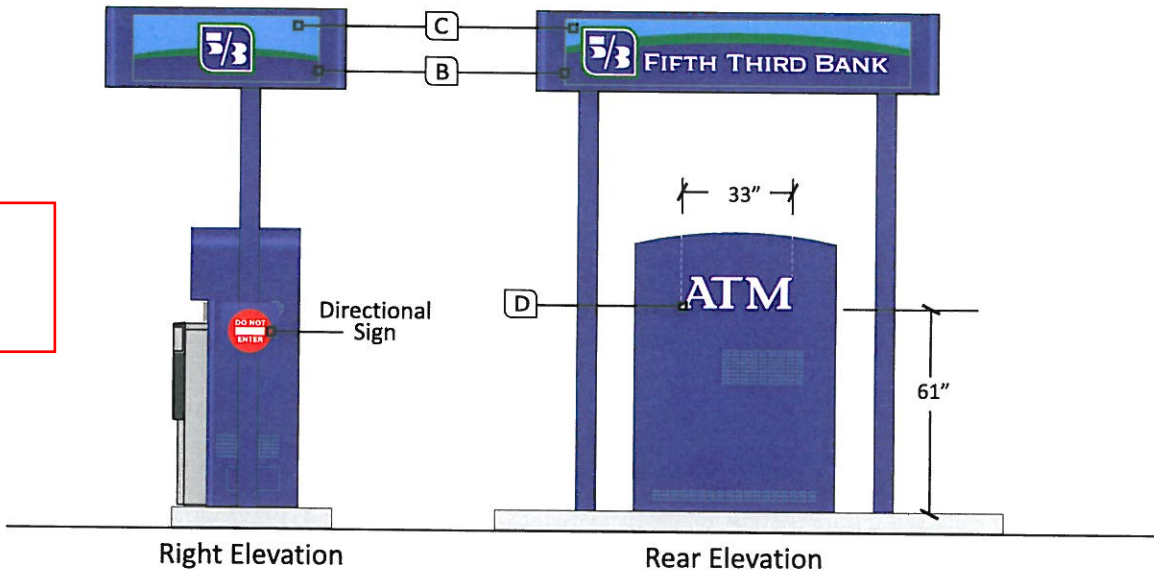
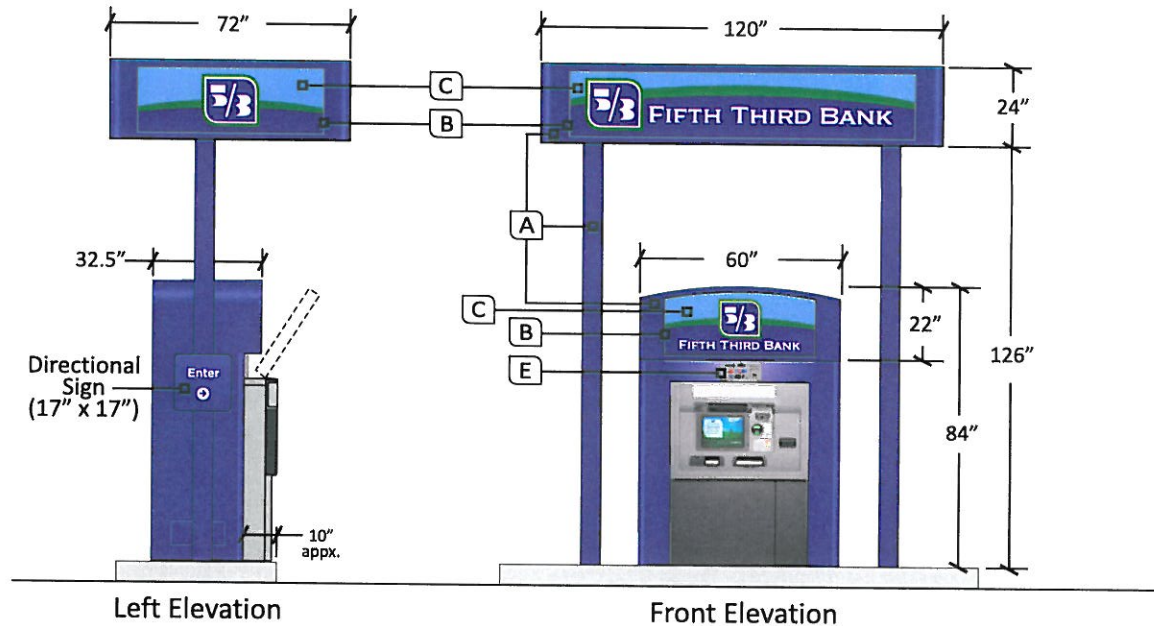
**Fifth Third Bank
XTEM Rochester Hills
ATM Installation**
1370 Walton Boulevard
Rochester Hills, MI

Drawing Name:
Structural

Project No: 13001
Drawing No: S-1

Branding Detail

- A** Sapphire Blue Paint
Spec: Match of MP55619
Finish: Egg Shell/Satin
- B** Silver Paint (1/2" border)
Spec: Match of MP55607
Finish: Approved 5/3 Texture
- C** 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
- D** Non-Backlit Vinyl Graphics
Color: White
Spec: 3M #680-10 White (reflective)
Color: Red
Spec: 3M #680-72
- E** Horizon Frame & Graphic Insert



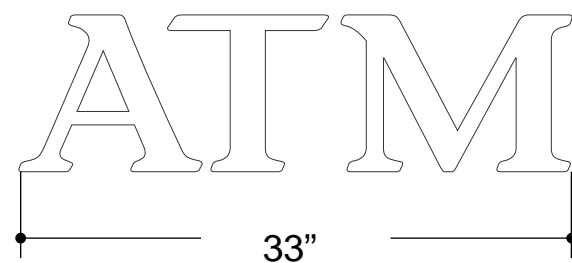
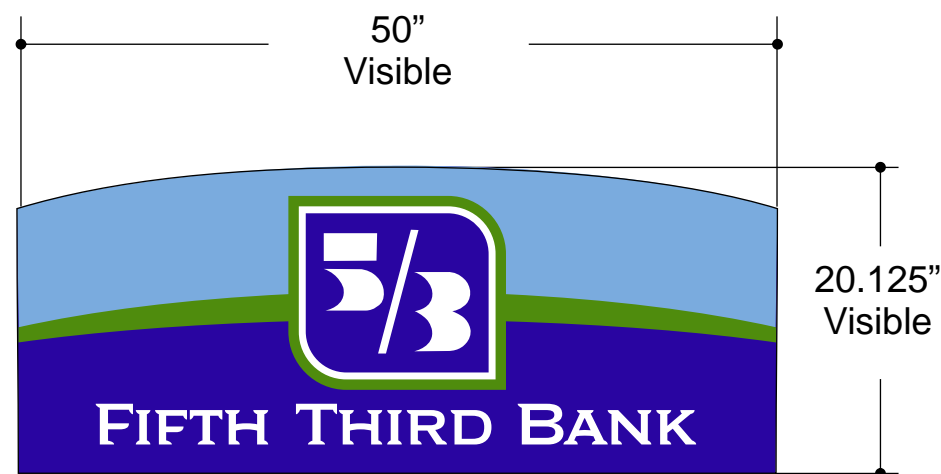
FOR REFERENCE ONLY



PROJECT NAME: FIFTH THIRD BANK BRANDING STANDARDS LOCATION: ADDRESS: CITY, STATE, ZIP: PRODUCT: FREESTANDING CAN_HSUR_6638	DRAWN BY: JR DATE: 10/15/10	REV: DATE: DESCRIPTION:	
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SURROUND BACKLIT PANEL

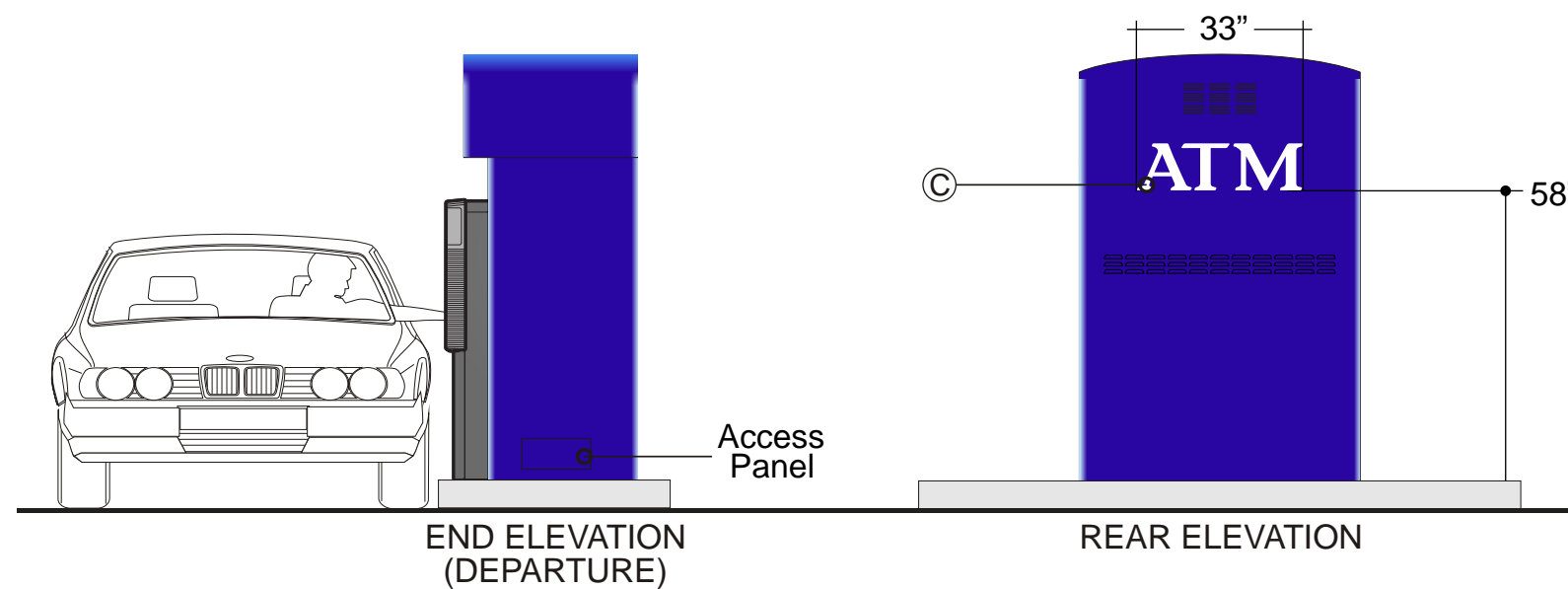
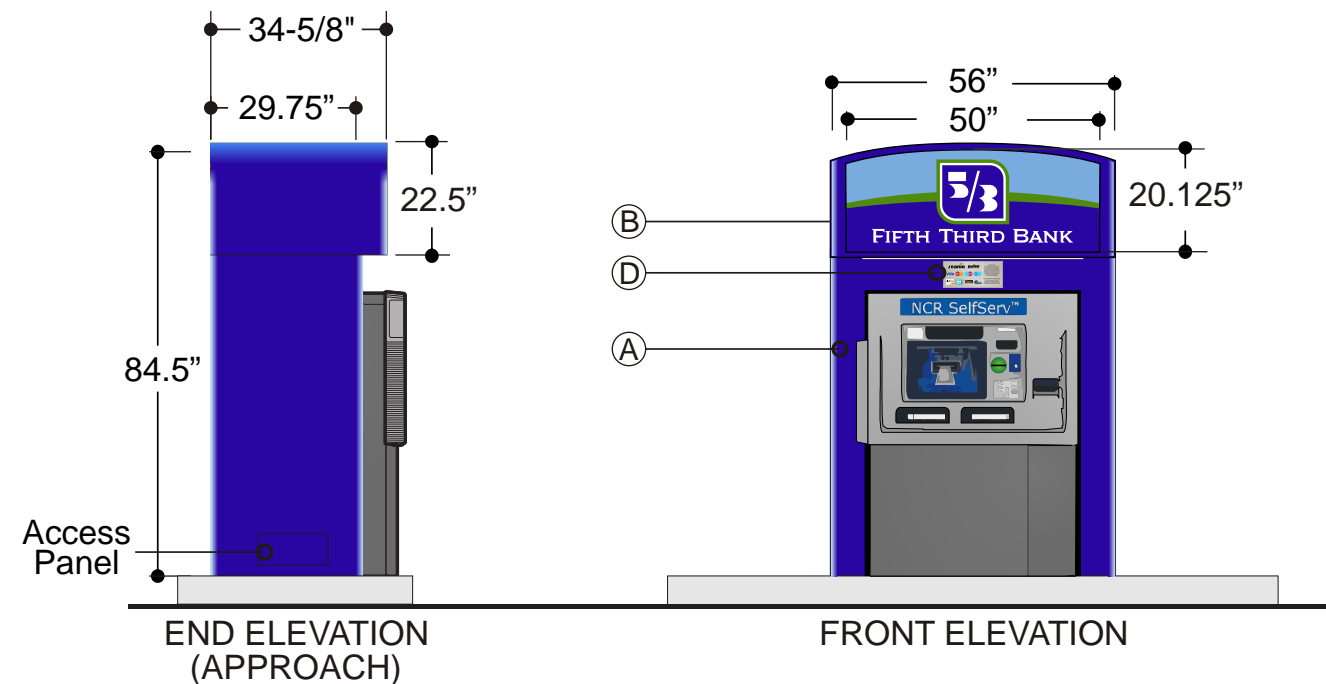


FOR REFERENCE ONLY

GRAPHICS LAYOUTS

Paint & Graphics Detail

- (A) **Surround Paint**
Color: CBS1062 Dark Blue
Finish: Egg Shell
- (B) **Backlit Graphics**
3M translucent vinyl applied to 1/8" white sign plex.
Color: Green
Material: 3M# 3632-156 Vivid Green
Color: Dark Blue
Material: 3M# 3632-8607 Sapphire Blue
Color: Light Blue
Material: 3M# 3632-8043 Sky Blue
- (C) **Vinyl Graphics**
High Performance 3M Vinyl applied to metal surface.
Color: White
Material: 3M# 220-10 White
- (D) **Network Graphics**
Network Graphics to be supplied by Proximiti



STANDARD ELEVATIONS

Dimensions and physical configurations subject to Engineering verification.

Couvrette BUILDING SYSTEMS
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www.couvrette.com • products@couvrette.com

P-4987

Rev. #: 3.0 Sheet 1 of 1 Date: 1/19/10

Approved By: Drawn By: Matt M.

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DATE	BY	DESCRIPTION	REV #
1/19/10	MM	Revision	3.0
9/24/09	BR	Revision	2.0
9/22/09	MM	Initial Approval Rendering	1.0



FIFTH THIRD BANK

Product: Islander Surround, Arched Signcan NCR 6638

750 Islander Surround and Canopy Specs & Options

FINISH	STORAGE ACCESS PANEL	CANOPY	OPTIONS
● Metal	<input type="radio"/> Approach <input type="radio"/> Front	<input type="radio"/> Canopy - 24" Height	<input type="radio"/> AHD
<input type="radio"/> Stucco	<input type="radio"/> Rear <input type="radio"/> Departure	<input type="radio"/> Two-Post <input type="radio"/> Four-Post	<input type="radio"/> Envelope Dispenser
			<input type="radio"/> Waste Receptacle
			<input type="radio"/> Bumper Guards
			<input type="radio"/> POS Panel
CONFIGURATION	DOWN LIGHTING	DOWN LIGHTING	● Networks Panel - by Proximiti
● Drive-up	● Front <input type="radio"/> Rear <input type="radio"/> Left <input type="radio"/> Right	<input type="radio"/> Front <input type="radio"/> Rear <input type="radio"/> Left <input type="radio"/> Right	<input type="radio"/> VHD
<input type="radio"/> Walk-up	BACKLIGHTING	BACKLIGHTING	
	● Front <input type="radio"/> Rear <input type="radio"/> Left <input type="radio"/> Right	<input type="radio"/> Front <input type="radio"/> Rear <input type="radio"/> Left <input type="radio"/> Right	