LOCATION MAP

AREA OF WORK

WELLS FARGO

"BRYAN VILLA MARIA"

614 E. VILLA MARIA RD.
BRYAN, TX 77802

SCOPE: INSTALL DRIVE-UP ATM, ENCLOSURE, PEDESTAL, VHD, LIGHT POLE & BOLLARDS ON NEW FOUNDATION. PAINT NEW STRIPING.

CLIENT
ONE SOURCE SECURITY
JON LINDSEY
2925 FM 1960 EAST
HUMBLE, TX. 77338
(713) 934-7400

ENGINEER
MDM SERVICES, INC.
RICHARD R. MORRIS, P.E.
3251 S.W. 13th DRIVE, SUITE "D"
DEERFIELD BEACH, FL. 33442
(954)-427-3076

OWNER
TEXAS - VILLA MARIA RETAIL LP
900 TOWN & COUNTRY LN,
STE 210
HOUSTON, TX 77024

CODE/ZONE SUMMARY:

BUILDING CODE:	2009 IBC
ACCESSIBILITY GUIDE:	ADAAG 2010
ELECTRICAL CODE:	2011 NFPA 70 NEC
ZONE / DISTRICT:	C-2, RETAIL DISTRIC (CITY OF BRYAN ZONING ORDINANCE, SECTION 130-14)

DRAWING LIST:

DRAWING NUMBER	TITLE
CV-0.0	COVER SHEET
SP-1.0	SITE PLAN - ATM ADDITION
SP-2.0	ENLARGED PLAN - EXISTING & PROPOSED
SP-2.1	ATM LAYOUT DETAILS
E-1.0	ELECTRICAL PLAN
SD-1.0	ATM ENCLOSURE DETAILS & SPECIFICATIONS - SHEET 1
SD-1.1	ATM ENCLOSURE DETAILS & SPECIFICATIONS - SHEET 2

WELLS FARGO BANK---ATM ADDITION

COVER SHEET

WELLS FARGO
614 E. VILLA MARIA RD.
BRYAN, TX 77802

DATE:	No.:	REVISION:	BY:

SCALE:
DATE: 06-10-2016
DRAWN BY: AS
PROPOSED GRADES BY:
CHECKED BY:
S.S.#
APPROVED BY:

Do Not Scale—Use Dimensions Only

* To the best of my knowledge, the plans and specifications submitted herewith comply with existing interpretations and provisions of the applicable Building Codes, no warranty expressed or implied is hereby given.

PLANS PREPARED BY:
MDM
engineering environmental construction
3251 SW 13th DRIVE, SUITE "D" DEERFIELD BEACH, FL 33442
FL EB #004857 TX FR #F-13377 (954) 427-3076

STATE OF TEXAS
RICHARD R. MORRIS
85957
LICENSED
PROFESSIONAL ENGINEER
JUN 18 2016

RICHARD R. MORRIS
TX REG # 85957

JOB # 16106

DWG # CV-0.0

SHEET NUMBER

SITE PLAN---ATM ADDITION

SCALE: 1" = 20'-0"

GENERAL NOTES:

1. THIS MAP IS NOT A CERTIFIED SURVEY, CONTRACTOR TO FIELD VERIFY SITE INFORMATION TO CONFIRM ACCURACY OF LOCATION. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER.
2. THE UTILITIES SHOWN ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THIS PLAN; THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. CONFLICTS BETWEEN EXISTING UTILITIES AND PROPOSED EXCAVATION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
3. PROVIDE MINIMUM OF 48 HOURS NOTICE TO OWNER OR REPRESENTATIVE PRIOR TO INTERRUPTION OF ANY EXISTING UTILITY, IF BEING UTILIZED.
4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ANY UTILITIES DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATION & PROTECTION OF EXISTING ABOVE & BELOW GROUND UTILITIES AND STRUCTURES. ANY AND ALL MAINS OR INDIVIDUAL SERVICES PRESENTLY IN SERVICE WHICH ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL EXPENSE TO THE UTILITY OWNER. ANY AND ALL MAINS OR INDIVIDUAL SERVICES PRESENTLY NOT IN SERVICE AND WHICH ARE TO BE REPLACED DURING THE COURSE OF CONSTRUCTION MAY BE REMOVED AND LEGALLY DISPOSED OF IF DAMAGED DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING NEAR ALL UNDERGROUND AND OVERHEAD UTILITIES.
6. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL NECESSARY PERMITS AND APPROVALS HAVE BEEN OBTAINED PRIOR TO CONSTRUCTION. THESE PERMITS AND APPROVALS MAY INCLUDE BUT ARE NOT LIMITED TO GRADING, DEMOLITION, ZONING, BUILDING, DRIVEWAY, DETENTION, SUBDIVISION, SPECIAL USE, SEWER & WATER.
7. NO ADDITIONAL IMPERVIOUS PERCENTAGE INCREASE FOR THIS SITE.

PROJECT: WELLS FARGO BANK --- ATM ADDITION
614 E. VILLA MARIA RD.
BRYAN, TX 77802

CLIENT: ONE SOURCE SECURITY
JON LINDSEY
2925 FM 1960 EAST
HUMBLE, TX. 77338

ENGINEER: MDM SERVICES, INC.
RICHARD R. MORRIS, P.E.
3251 S.W. 13th DRIVE, SUITE "D"
DEERFIELD BEACH, FL. 33442
(954)-427-3076

1. AREA OF WORK: INSTALL DRIVE-UP ATM, LIGHT POLES, PEDESTAL, VHD & BOLLARDS ON NEW FOUNDATION. - SEE DETAIL SHEETS SP-2.0, SP-2.1, E-1.0 SD-1.0, SD-1.1
2. ALL OTHER BUILDING AND SITE IMPROVEMENTS TO REMAIN.

SITE PLAN - ATM ADDITION

WELLS FARGO
614 E. VILLA MARIA RD.
BRYAN, TX 77802

DATE: REVISION: BY:

DATE: 06-10-2016 PROPOSED GRADES BY:
SCALE: AS SHOWN DRAWN BY: AS CHECKED BY: APPROVED BY: S.S.#

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PLANS PREPARED BY:
MDM
engineering, environmental, construction
3251 SW 13th DRIVE, SUITE "D" DEERFIELD BEACH, FL 33442
FLEB #004857 TX FR #F-13377 (954) 427-3076

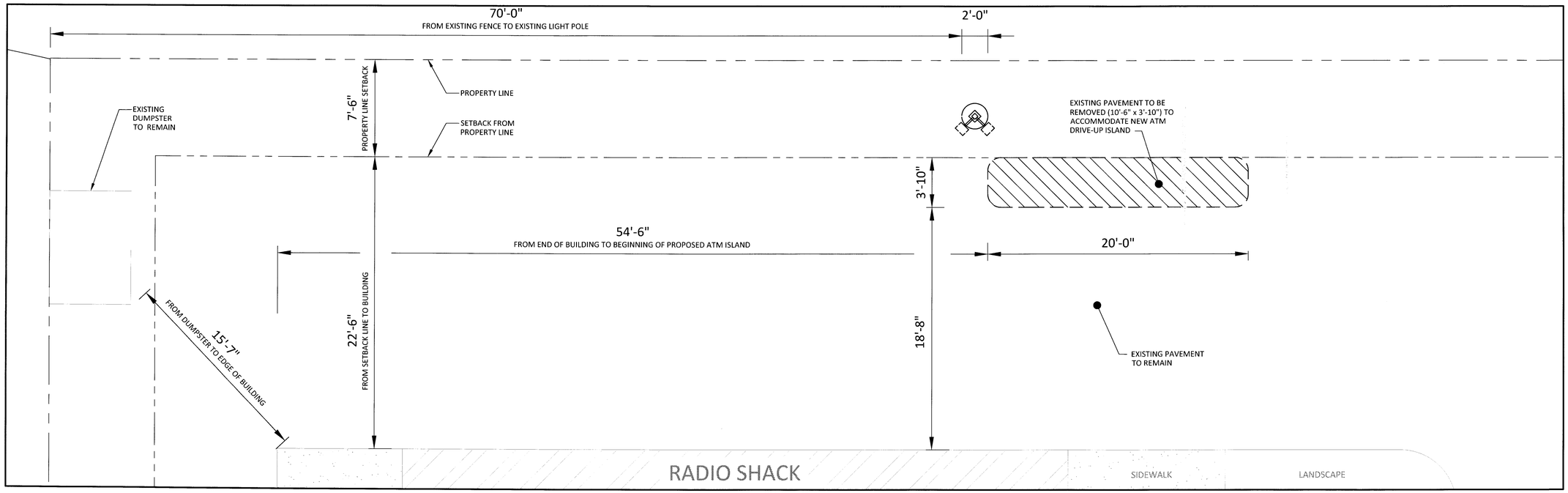
STATE OF TEXAS
RICHARD R. MORRIS
85957
LICENSED PROFESSIONAL ENGINEER
JUN 14 2016

RICHARD R. MORRIS
TX REG # 85957

JOB # 16106

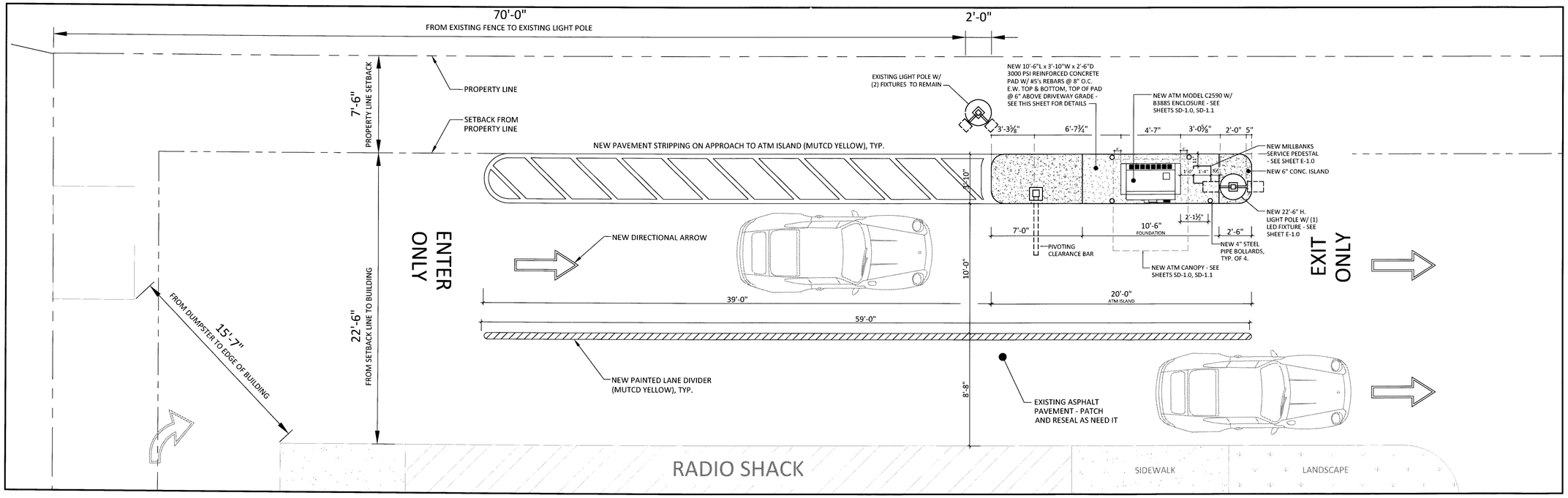
DWG # SP-1.0

SHEET NUMBER



ENLARGED PLAN---EXISTING

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



ENLARGED PLAN---PROPOSED

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

ENLARGED---EXISTING & PROPOSED

WELLS FARGO
614 E. VILLA MARIA RD.
BRYAN, TX 77802

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SCALE: AS NOTED
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APPROVED BY:

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MDM
engineering environmental construction
3251 SW 13th DRIVE, SUITE "D", DEERFIELD BEACH, FL 33442
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STATE OF TEXAS
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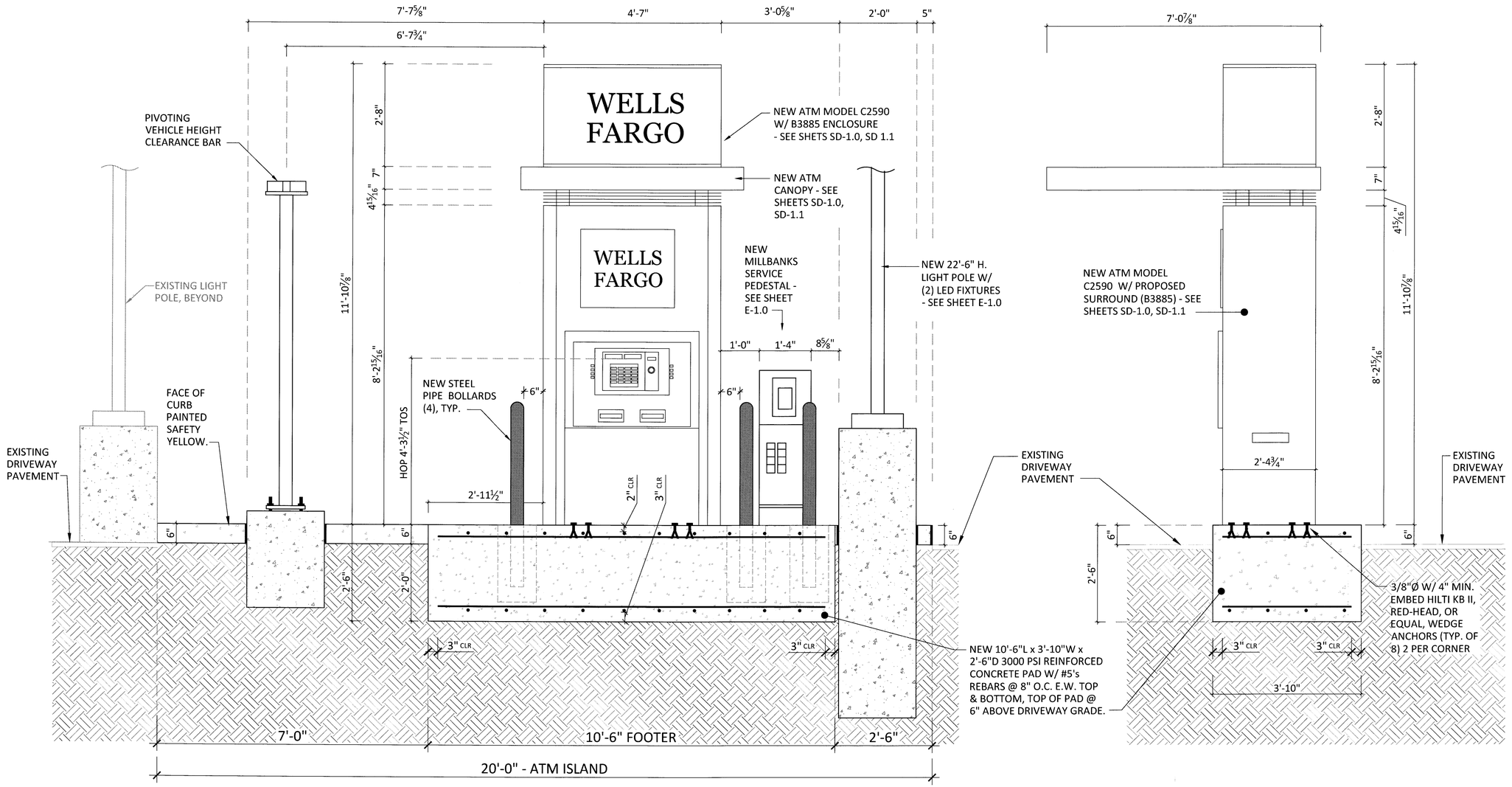
RICHARD R. MORRIS
TX REG # 85957

JOB # 16106

DWG # SP-2.0

SHEET NUMBER

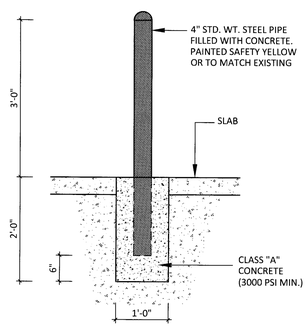


FRONT VIEW
SCALE: 3/4" = 1'-0"

ELEVATIONS

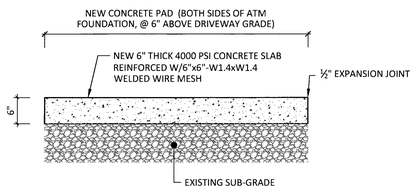
SCALE: 3/4" = 1'-0"

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



BOLLARD DETAIL

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



CONCRETE SLAB DETAIL

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

OSS

ATM DETAILS, ELEVATIONS

WELLS FARGO
614 E. VILLA MARIA RD.
BRYAN, TX 77802

DATE:	No.:	REVISION:	BY:

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APPROVED BY:
DATE: 06-10-2016
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S.S.#

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PLANS PREPARED BY:
MDM
engineering • environmental • construction
3251 Ringling Blvd., Suite 222 Sarasota, FL 34237 (941) 312-1942
TX FR #F-13377 (954) 427-3078
FL EB #004857

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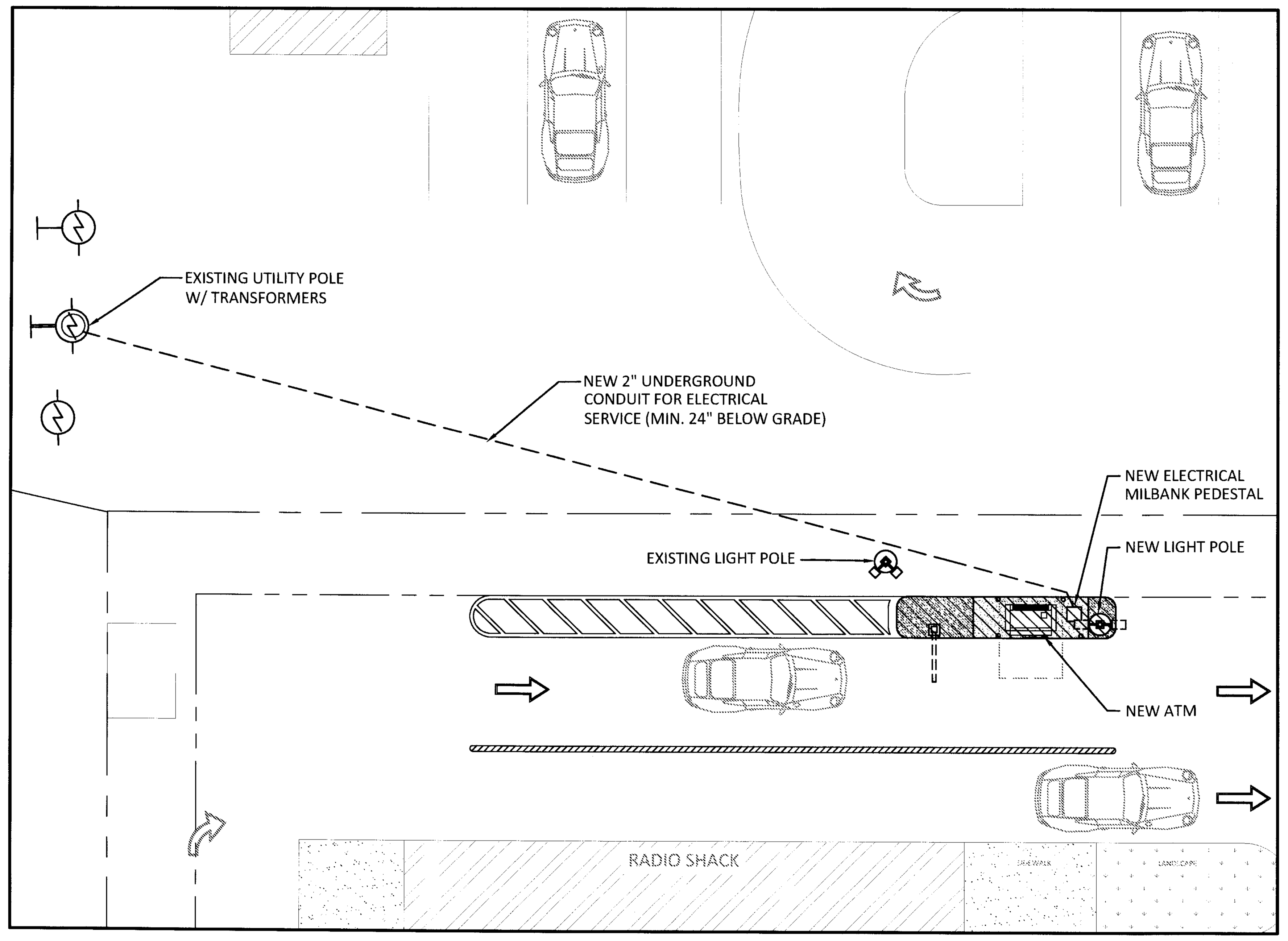
JUN 18 2016

RICHARD R. MORRIS
TX REG # 85957

JOB # 16106

DWG # SP-2.1

SHEET NUMBER



ELECTRICAL PLAN

SCALE: 1" = 10"

MILBANK CP3B11119A42SGSP9		120/208 1-PHASE			PANEL A NEW								PLUG-IN			NEUTRAL BAR	
100 AMP MAIN BREAKER		42,000 AIC											SURFACE-NEMA 3R			EQUIPMENT GRND BAR	
CIRCUIT DESCRIPTION	*	VA LOAD A	VA LOAD C	VA LOAD N	Brk.	Wire	Cond.	Num.	Num.	Cond.	Wire	Brk.	VA LOAD N	VA LOAD A	VA LOAD C	*	CIRCUIT DESCRIPTION
ATM POWER	1	1560		1560	30/1	10	1.25"	1	2	.75"	12	20/1	210	210		2	ATM POLE LIGHTS
ATM RECEPTACLE	1		180	180	20/1	12	1.25"	3	4	1.25"	12	20/1	420		420	2	ATM LIGHTS
								5	6								
								7	8								
								9	10								
								11	12								
								13	14								
								15	16								
								17	18								
		1560	180	1740									630	210	420		

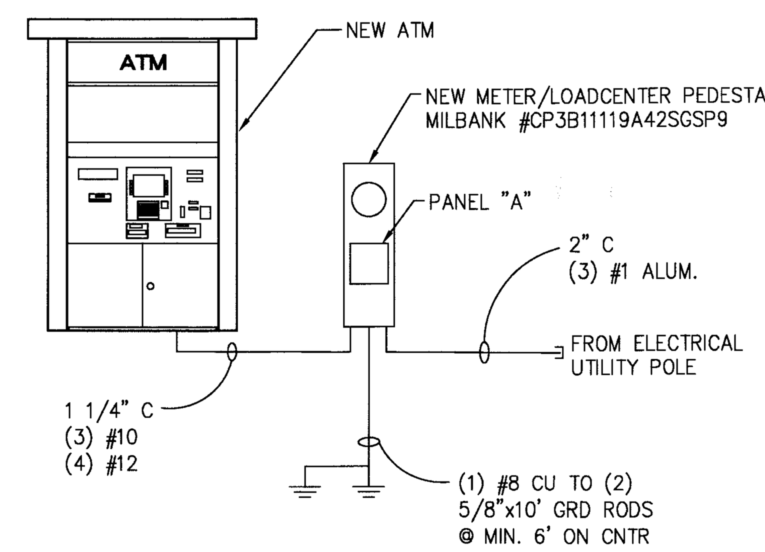
		CONNECTED		DEMAND
CONNECTED VA (A)		1770		
CONNECTED VA (C)		600		
CONNECTED VA (A,C)		2370		
NON-CONTINUOUS	*1	1740	100%	1740
CONTINUOUS	*2	630	125%	788
KITCHEN EQUIPMENT	*3	0	65%	0
SUBTOTAL		2370		2527.5
NON-COINCIDENTAL		0		0
TOTAL		2370		2527.5

TOTAL NEUTRAL LOAD: 2,370 / 208 = 11.4 AMPS

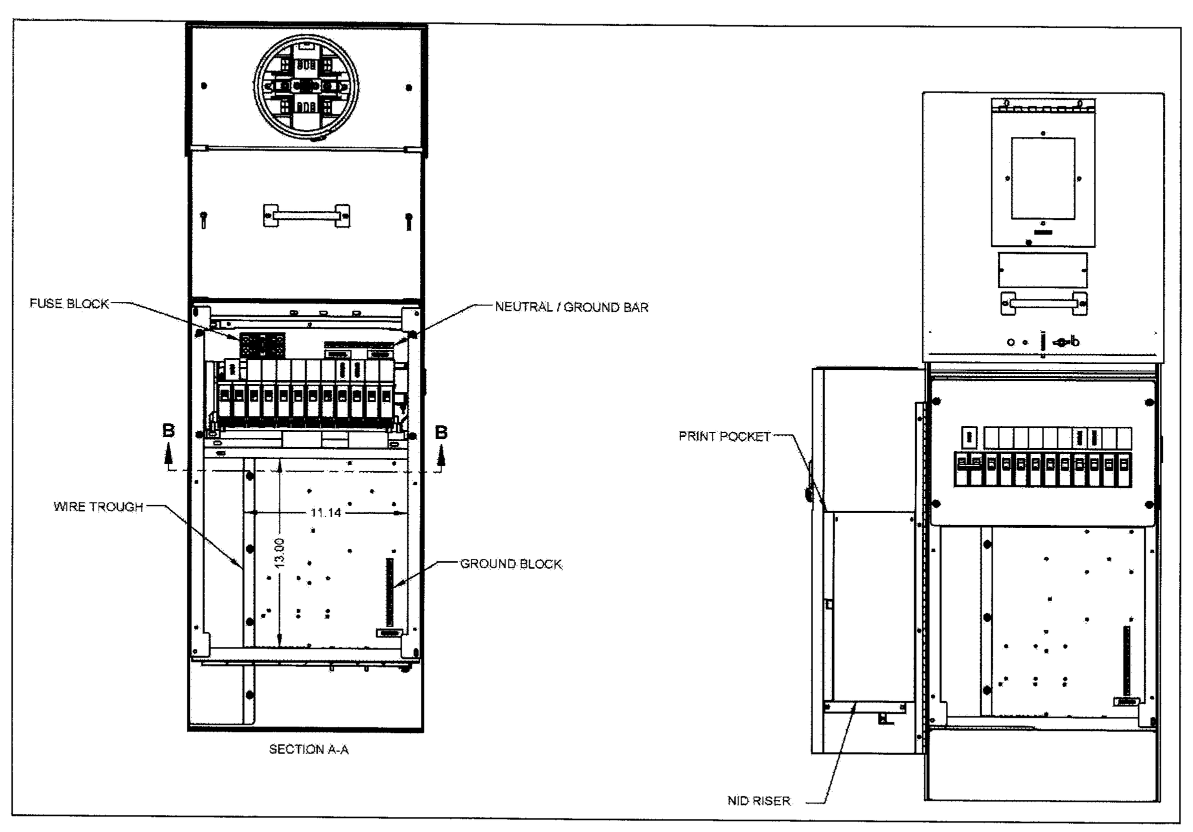
TOTAL DEMAND LOAD: 2,528 / 208 = 12.2 AMPS

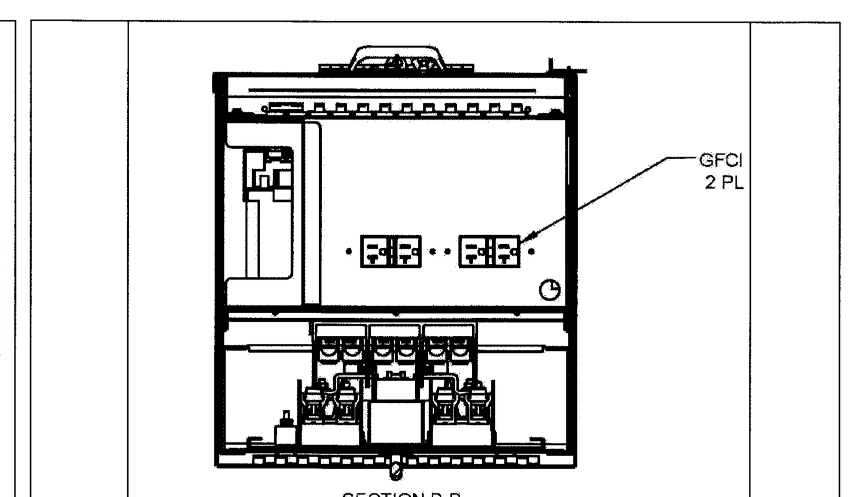
ELECTRICAL NOTES:

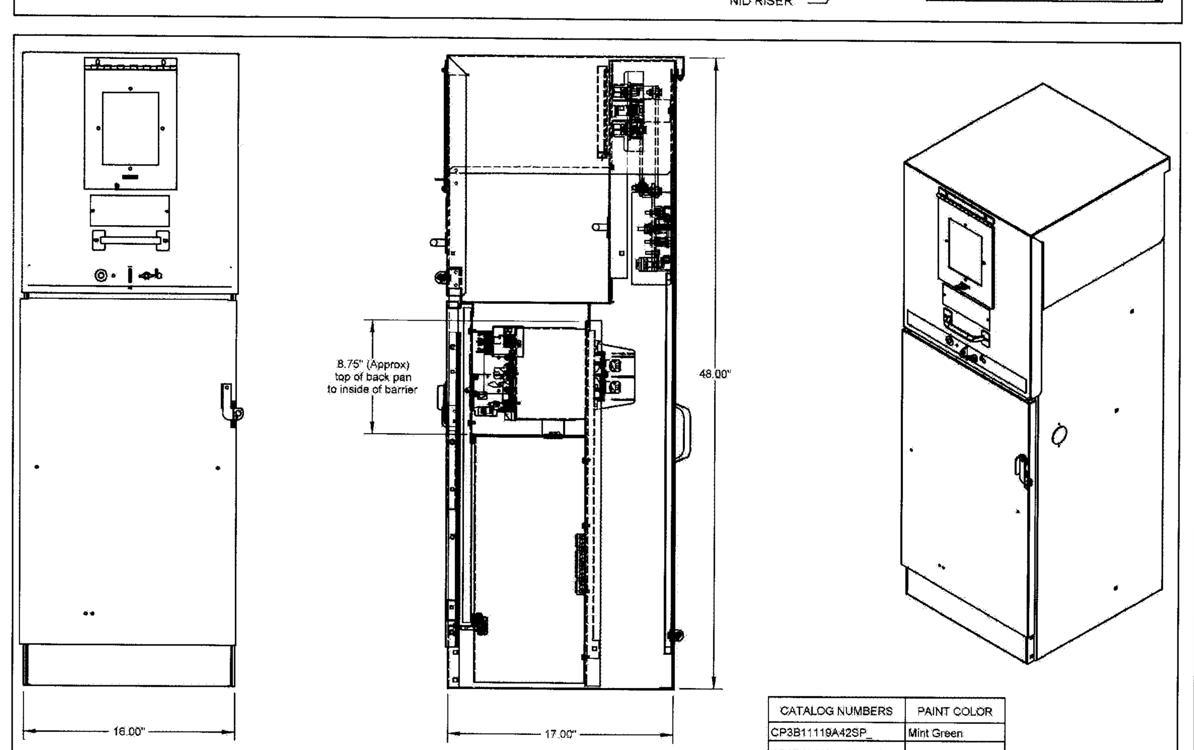
1. INSTALL (1) MILBANK PEDESTAL AT NEW ATM.
2. INSTALL (1) 2" UNDERGROUND CONDUIT FROM EXISTING UTILITY POLE WITH TRANSFORMER TO NEW MILBANK PEDESTAL FOR ELECTRICAL SERVICE.
3. INSTALL (1) 1 1/4" CONDUIT FROM MILBANK PEDESTAL TO NEW ATM FOR POWER & LIGHTS.
4. INSTALL (1) NEW LIGHT POLE FOUNDATION AND LIGHT POLE WITH (2) LED LIGHT FIXTURES ON POLE.
5. FEED NEW LIGHT POLE FROM PANEL "A" WITH A 3/4" CONDUIT.
6. NEW LIGHT FIXTURES TO BE PHOTO CELL CONTROLLED.
7. INSTALL AN EQUIPMENT GROUNDING CONDUCTOR IN ALL BRANCH CIRCUIT CONDUITS.
8. ELECTRICAL UTILITY SERVICE CONDUCTORS TO BE ALUMINUM.
9. ALL FEEDER & BRANCH CIRCUIT CONDUCTORS TO BE COPPER.



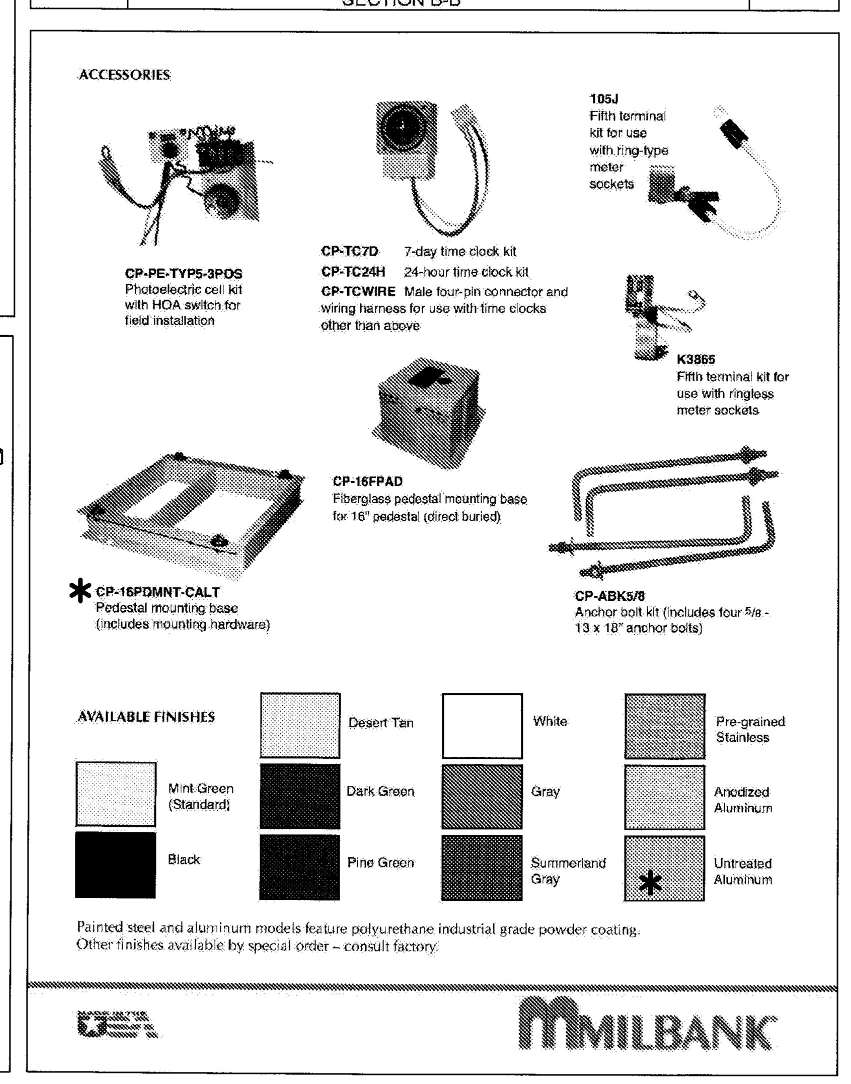
RISER DIAGRAM
120/208 VOLT 1 PHASE 100 AMP







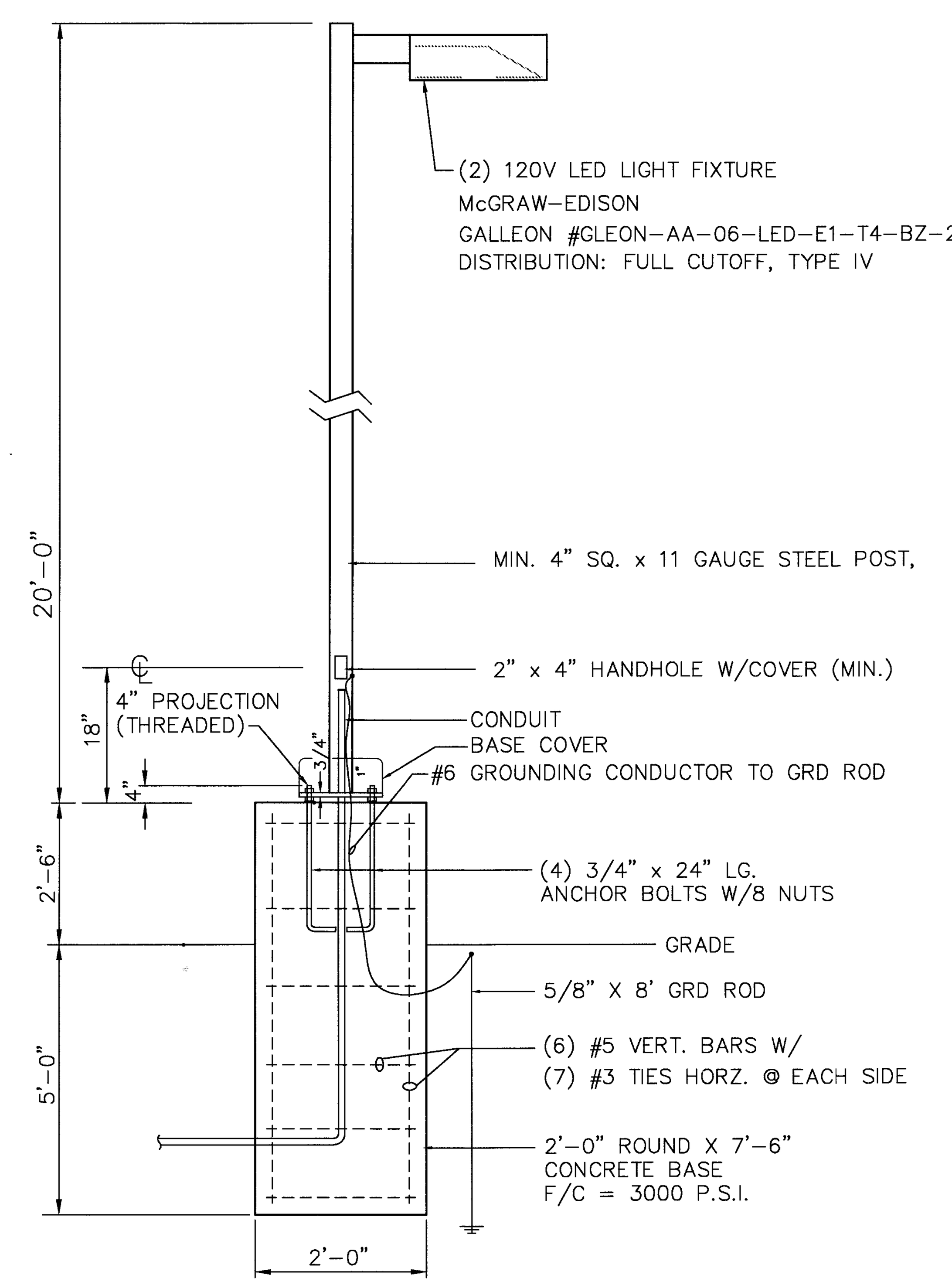
CATALOG NUMBERS	PAINT COLOR
CP3B11119A42SP_	Mint Green
CP3B11119A42SG42SP_	Summerland Grey



NOTES:

1. WHEN ORDERING A PEDESTAL FOR A LOCATION, CONTACT MILBANK TO VERIFY THE LOCAL UTILITY'S REQUIREMENTS FOR A PARTICULAR CITY OR STATE.
2. SPECIFY "SUMMERLAND GRAY" AS PEDESTAL COLOR.

MILBANK CENTER & METER



NEW AREA LIGHT - SIDE VIEW

AREA LIGHT WINDLOAD
ASCE 7-10, 115 MPH

Design Windload based on ASCE 7-10 (Sq. Straight Pole)

Risk Category: II
Exposure Category: C

HAG	Kz
0 - 15'	0.85
16 - 20'	0.90
20 - 25'	0.94
26 - 30'	0.98
31 - 35'	1.01

Design Windspeed (mph): V := 115
Velocity Pressure Coefficient: Kz := 0.9 — Based on Table 29.3-1
Topographic Fractor: Kzt := 1.0 — Based Table 26.8-1
Wind Directionality Factor: Kd := 1 — Based on Table 26.6-1
Velocity Conversion Factor: VCF := 0.9
Velocity Pressure: qz := 0.00256*Kz*Kzt*Kd*(V*VCF)^2 = # PSF Based on 29.3-1
Force Coefficent for Pole: PoleCf := 2.00 — Based on Figure 29.5-1
Force Coefficient for Fixtures: FxtrCf := 1.10 — Based on Figure 29.4-1
Gust Effect Factor: G := 0.85 — Based on 26.9.4 for Other Structures
Pole Design Pressure: PoleF := qz * G * PoleCf = # PSF Based on 29.5-1
Fixture/Arm Design Pressure: FxtrF := qz * G *FxtrCf = # PSF Based on 29.5-1
Reference : Manual of Steel Construction, AISC 13th Edition

Pipe: ASTM - 50 ksi specification (compact sections)
PipeFy := #### (psi)
PipeFb := PipeFy * 0.66 = #### (psi)
PipeFv := PipeFy * 0.40 = #### (psi)

Plate: ASTM A-36
PltFy := #### (psi)
PltFb := PltFy * 0.75 = #### (psi)

Anchor Bolts: ASTM F-1554 Gr. 36
ABFu := #### (psi)
ABFt := ABFu * 0.33 = #### (psi)
ABFy := #### (psi)
ABFv := ABFy * 0.40 = #### (psi)

Pole Height: PoleHt := 20 ft.
Pole Size: PoleSq := 4 in.
Pole Wall Thickness: PoleWThk := 0.120 in.
Number of Fixtures: NoFxtrs := 2
Fixture Windload Area: (including brackets and arms) FxtArea := 1.5 ft² per fixture

Design Load at Base Plate:

Fixtures: Fxt := (NoFxtrs * FxtArea * FxtF) * (PoleHt) = # ft.-lbs.
Pole: P := [(PoleSq/12) * PoleHt * PoleF]*(PoleHt/2) = # ft.-lbs.
Moment: MtBase := Fxt + P = # ft.-lbs.
Shear: ShrBase := (NoFxtrs * FixArea *FxtF) + [(PoleSq/12) * PoleHt * PoleF] = # lbs.

Check Pole at Base Plate:

Section Modulus of Pole: PoleSM := [(PoleSq⁴ - [(PoleSq - (2*PoleWThk)]⁴) / (6 * PoleSq)] * 0.95 = 2.2217 in.³
Bending Stress: f_b := (MtBase * 12) / PoleSM = ##### psi
Area of Pole: PoleArea := [PoleSq² - [PoleSq - (2 * PoleWThk)]²] * 0.95 = 1.7693 in.²
Shear Stress: f_v := ShrBase / PoleArea = ##### psi
Unity Check, Pole: UCPole := (fb/PipeFb) + (fv/PipeFv) = 0.644 (< 1.0, OK)

Check Anchor Bolts:

Number of Anchor Bolts: 4
Anchor Bolt Diameter: 3 / 4 AnchBltDia := 0.750 in. (Based on nominal diameter per AISC 4-3)
Stress Area (= Anch Bolt Area): AnchBltArea := 0.442 in.²
Anchor Bolt Length: AnchBltL := 24.00 in. plus 6" hook
Allowable Tension: AllwTen := ABFt * AnchBltArea = # lbs.
Allowable Shear: AllwShr := ABFv * AnchBltAre = # lbs.
Number of Anchor Bolts in Tension: NoTen := 2
Number of Anchor Bolts in Shear: NoShr := 4
Bolt Circle: BltCir := in.
Lever Arm: LvrArm := [BltCir² / 2]^0.5 := 7.78 in.
Tension Load per Anchor Bolt: TenAncBlt := (MtBase * 12) / (NoLev * LevrArm) = # lbs.
Shear Load per Anchor Bolt: ShrAncBlt := ShrBase / NoShr = # lbs.
Unity Check, Anchor Bolts: UCAncBlts := (TenAncBlt / AllwTen) + (ShrAncBlt / AllwShr) = 0.3664 (< 1.0, OK)

Check Anchor Bolt Embedment:

Concrete, psi compressive strength: ConcFc := 3000 psi
Allowable Bond Stress: U := (0.5) [4.8 (ConcFc)^0.5 / AnchBltDia] = 175.271 lbs./in.²
Development Length: Ld := TenAncBlt / (U * π * AnchBltDia) = 7.242 in.
Embedment Length: AncBltEmb := AncBltL - 4.5" thread allow = 19.5 in.²
Unity Check, Anchor Bolt Embedment: UCABEmb := Ld / AncBltEmb = 0.371 (< 1.0, OK)

Check Base Plate:

Plate Thickness: PltThk := 3 / 4 in., = 0.75 in.
Plate Width: PltWdth := 10.125 in.
Plate Specimen: PLS := BltCir √(PoleSq² + PoleSq²) / 2 = 2.672 in.
Minimum Thickness Required:
ReqdThk := √[(TenAncBlt * NoTen * PLS *6) / (PltWdth * PltFb)] = 0.592 in.
Unity Check, Base Plate Thickness: UCPltThk := ReqdThk / PltThk = 0.79 (< 1.0, OK)

Design Caisson Footing:

Overturning Moment (ft lbs) = MtBase = 3877.26 ft lbs
Shear (lbs) = ShrBase = 323.54 lbs
Applied Force (lbs): = P := Va = 323.54 lbs
Allowable Lateral Soil Bearing Pressure:
2012 IBC, Section 1805.7, Table 1804.2
2010 FBC, Section 1819.7, Table 1819.6
For: Sandy Gravel = 200 lbs./ft² per ft., use 150 LP = 150.00 lbs./ft² per ft.
Diameter of Round Footing: (ft.) b1 = 2.000 ft
Distance in feet from ground surface to point of application of "P": (ft.) = h := MtBase / ShrBase = 11.98 ft
Depth of Footing Below Grade: (ft) = d1 := 5.0 ft
Allowable Lateral Soil Bearing Pressure: S1 = d1 * [(LP*1.33) / 3] = 332.5
2012 IBC, Section 1805.7, Table 1804.2
2010 FBC, Section 1819.7, Table 1819.6 A = 2.34 * (P / (S1 * b1)) = 1.138
d2 = (A/2)* [1 +((1+ 4.36*(h/A))^.5] = 3.94 (=< d1, OK)

Check Tensile Stress in Footing:

Overturning Moment @ Heel Point (ft. lbs.): Mh: = MtBase + (ShrBase * d1) = 5495 ft lbs
Treat as a cantilever at bottom.
Compression Strength of Concrete: fc: = 3000 psi
Yield Strength of Rebar: fy: = 60000 psi
Section Modulus of Footing: S = (π * (b1 * 12)³) / 32 = 1357 in³
Tensile Stress in Concrete: ft := [(Mh * 12) / S] = 48.587 psi
Allowable Concrete Stress: φFt := 0.65 * (5 * fc^.5) = 178.01 psi (> ft, no rebar required for stress)

Design of Temperature and Shrinkage Steel in Caisson:

Moment USD Design: Mu:= 1.7 Mh = 9341.4
d := [(b1 * 12) *0.8] - 3 = 16.2
ju := 0.56
Required Area: (in) As := [Mu *12] / [ju * fy * d * .90] 0.229
Rebar Size: Number: = 5
Rebar Area: Area = [π * (Number/8)²] / 4 = 0.31
Number Required: = (As / Area) * 2 = 1.491683

ELECTRICAL PLAN	WELLS FARGO 614 E. VILLA MARIA RD. BRYAN, TX 77802

DATE:	No.:	REVISION:	BY:

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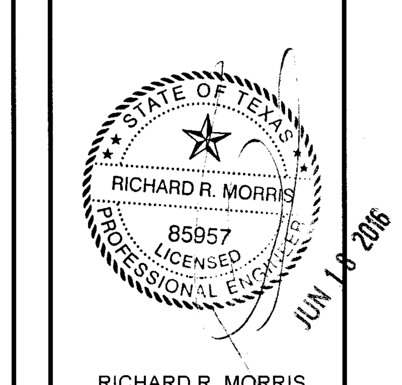
PLANS PREPARED BY:

MDM engineering environmental . construction
3251 SW 13th DRIVE, SUITE "D", DEERFIELD BEACH, FL. 33442 (954) 427-3076
FL EB #004857 TX FR #F-13377



RICHARD R. MORRIS
TX REG # 85957

JOB # 16106

DWG # E-1.0

SHEET NUMBER

DESIGN CRITERIA:

CODE: 2012 INTERNATIONAL BUILDING CODE

LOADS:

WIND: SEE WIND DESIGN CRITERIA CHART
ROOF LIVE LOAD: 20PSF UNIFORM LIVE LOAD

NOTES TO BUILDER AND/OR SITE DEVELOPER:
1.ALL SITE WORK, INCLUDING THE LOCATION OF THE BUILDING MAY BE REQUIRED TO BE REVIEWED AND APPROVED BY A LOCAL REGISTERED ARCHITECT OR ENGINEER
TO VERIFY CODE COMPLIANCE INCLUDING, BUT NOT LIMITED TO FIRE, RESISTENCE RATING FOR EXTERIOR PROTECTION, MEANS OF EGRESS, HEIGHT AND AREA
LIMITATIONS AND OTHER PERTINENT SITE-RELATED MATTERS.
2.WHERE APPLICABLE, CONSTRUCTION DOCUMENTS, INCLUDING SITE AND DEVELOPMENT DRAWINGS, SHALL BE SUBMITTED TO THE LOCAL GOVERNMENT AGENCY FOR REVIEW AND APPROVAL BY THEM VIA THE NORMAL INSPECTION AND PERMIT PROCESS.

GENERAL NOTES:
1. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH "SPECIFICATION FOR THE DESIGN AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS," AISC, 13TH EDITION, AND THE 2012 IBC.
2. STEEL MEMBERS SHALL CONFORM TO THE FOLLOWING MATERIAL SPECIFICATIONS:
A. PLATES, ANGLES, CHANNELS, TUBES - ASTM A36, FY=36 KSI
B. HSS (RECT.) - ASTM A500 GRADE B, FY=46 KSI
3. ALL WELDING SHALL BE PERFORMED BY EXPERIENCED, CERTIFIED WELDERS USING THE ELECTRIC ARC WELDINGPROCESS, E70XX SERIES ELECTRODES FOR WELDING STRUCTURAL STEEL, WELDING SHALL CONFORM TO AISC AND AWS STANDARD.
4. ALL WELDS NOT SPECIFIED SHALL BE CONTINUOUS FILLET WELDS, SIZE OF WELD SHALL BE BASED ON ASIC STANDARD FOR THICKER PART JOINED.
5. HOLES FOR BOLTS IN STRUCTURAL STEEL SHALL BE DRILLED OR PUNCHED.
6.APPLY CORROSIVE RESISTANT PAINT TO ALL WELDS AND STEEL SURFACES. U.N.O.
7. ALL BOLTS MINIMUM GRADE A307
8. ENCLOSURE CLASSIFICATION: ENCLOSED.
9. MAXIMUM ROOF BUILDING HEIGHT = 10FT.

FOOTING NOTES:
1. SOIL SHALL BE CLEAN SAND WITH A MINIMUM ALLOWABLE BRNG PRESSURE OF 2000 PSF.
2. CONCRETE: SHALL BE 2500 P.S.I. @ 28 DAYS.
3. REINFORCING STEEL: SHALL BE GRADE 60.
4.SOIL TO BE COMPACTED TO AT LEAST 95% UNDER SLABS AND 98% UNDER FOOTINGS OF MAX DRY DENSITY AS DETERMINED BY ASTM-1557 (MODIFIED PROCTOR)

ELECTRICAL NOTES:
1. ELECTRICAL STUBS TO EXTEND 16" BELOW GRADE FOR CLEARANCE OF ANCHOR BOLTS.
2. CONTRACTOR TO FURNISH ISOLATED GROUND FOR ATM IN ACCORDANCE WITH NEC AND LOCAL BUILDING CODES.
3. FINAL ELECTRICAL HOOK UP FOR ENCLOSURE TO BE DONE BY CONTRACTOR.
4. CONTRACTOR SHALL COORDINATE WITH ATM VENDOR SPECIFICATIONS FOR ELECTRICAL SUB-UP REQUIREMENTS.

WELLS FARGO
BRYAN VILLA MARIA
614E VILLA MARIA
BRYAN, TX 77802
ATM ID: TMPATM28701

WIND DESIGN CRITERIA CHART (ASCE 7-10)	
WIND VELOCITY (MPH)	177 VULT
BUILDING CATEGORY	I
EXPOSURE CATEGORY (ALL SIDES)	C
ENCLOSED STRUCTURE INTERNAL PRESSURE COEFFICIENT	0.18 -0.18
COMPONENT & CLADDING PRESSURES	48 PSF
FORCE COEFFICIENT (Cf)	1.77
GUST FACTOR (G)	0.85
TOPOGRAPHIC FACTOR (Kzt)	1.0
WIND DIRECTIONAL FACTOR (Kd)	0.9
VELOCITY PRESSURE COEFFICIENT (Kz)	0.85

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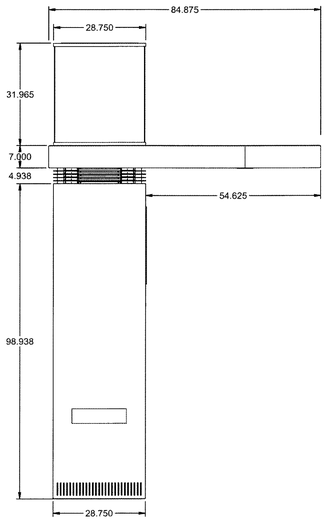

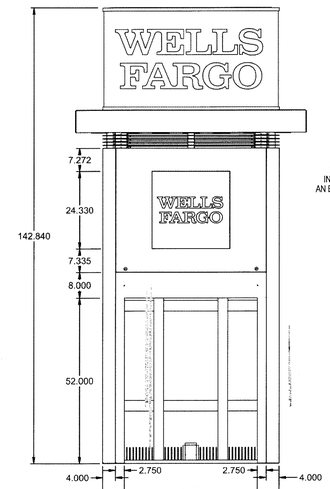

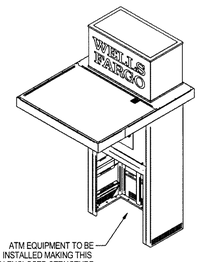

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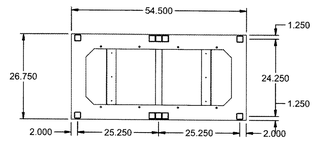
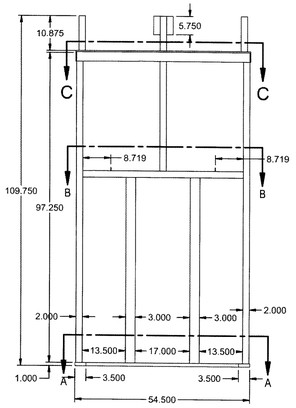
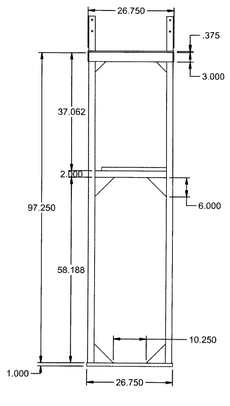
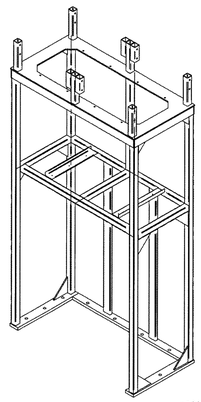
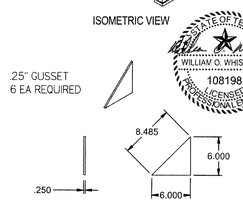
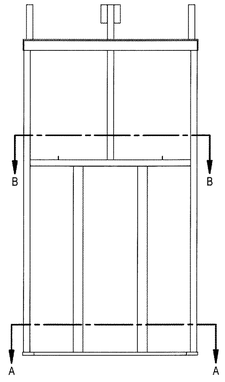


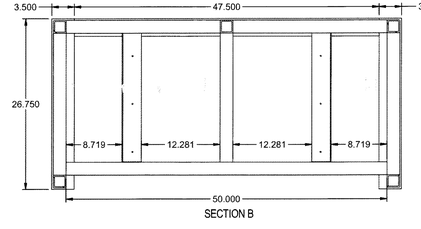


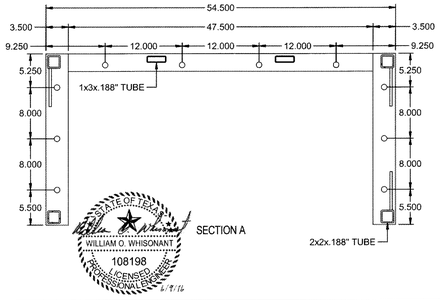












STATE OF TEXAS · WILLIAM O. WHISONANT · 108198 · LICENSED PROFESSIONAL ENGINEER · 6/7/16

CUSTOMER	WELLS FARGO
SITE ADDRESS	614E VILLA MARIA BRYAN, TX 77802
PROJECT NUMBER	TFC44122

PROJECT TITLE: WFB3885 for NCR6638 BRYAN VILLA MARIA / TMPATM28701

REVISIONS/PROJECT NOTES	
1.	
2.	
3.	
4.	
5.	
6.	

DRAWN BY	SAP
CHECKED	DFS
APPROVAL	SRF
SCALE	NTS
SIZE	11" X 17"
SHEET NO.	SHEET 1 OF 7
	SHEET 2 OF 7
	SHEET 3 OF 7
	SHEET 4 OF 7

06/20/16 · XXX · XXX

FITTS
THE FITTS COMPANY
141 ENCINA DRIVE, SUITE 210 · HOUSTON, TEXAS 77060
P (281) 445-7744 · F (281) 445-7745

OSCS

ATM ENCLOSURE SPECIFICATIONS - SHEET 1

WELLS FARGO
614 E. VILLA MARIA RD.
BRYAN, TX 77802

DATE: No.: REVISION: BY:

SCALE: AS NOTED · DATE: 06-10-2016
DRAWN BY: AS · PROPOSED GRADES BY:
CHECKED BY: · S.S.#
APPROVED BY:

Do Not Scale-Use Dimensions Only
To the best of my knowledge, the plans and specifications conform to the requirements of all applicable codes. Any deviations from the approved plans, building codes or ordinances expressed or implied is hereby given.

PLANS PREPARED BY:
MDM
engineering · environmental · construction
3251 SW 13th DRIVE, SUITE "D", DEERFIELD BEACH, FL 33442
FL EB #004857 · TX FR #F-13377 · (954) 427-3076

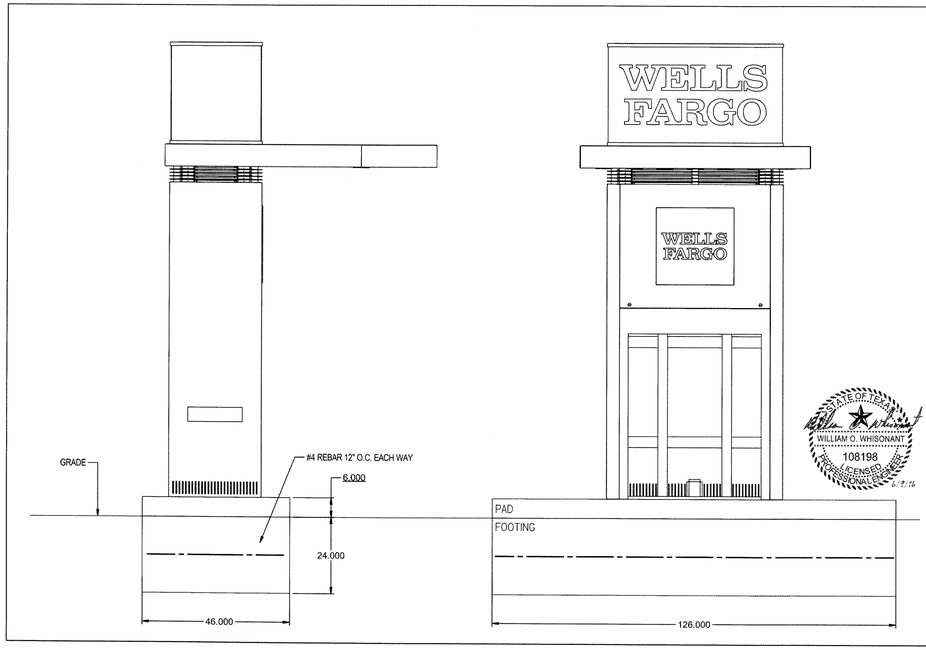
STATE OF TEXAS · RICHARD R. MORRIS · 85957 · LICENSED PROFESSIONAL ENGINEER · JUN-17-2016

RICHARD R. MORRIS
TX REG # 85957

JOB # 16106

DWG # SD-1.0

SHEET NUMBER



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WFB3885 for NCR6638
BRYAN VILLA MARIA / TMPATM28701

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CHECKED	DFS
APPROVAL	SRF
SCALE	NTS
SIZE	11" X 17"

CUSTOMER
WELLS FARGO

SITE ADDRESS
614E VILLA MARIA
BRYAN, TX 77802

PROJECT NUMBER
TFC44122

REVISIONS/PROJECT NOTES
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3. 6/9/2016
4. XXX
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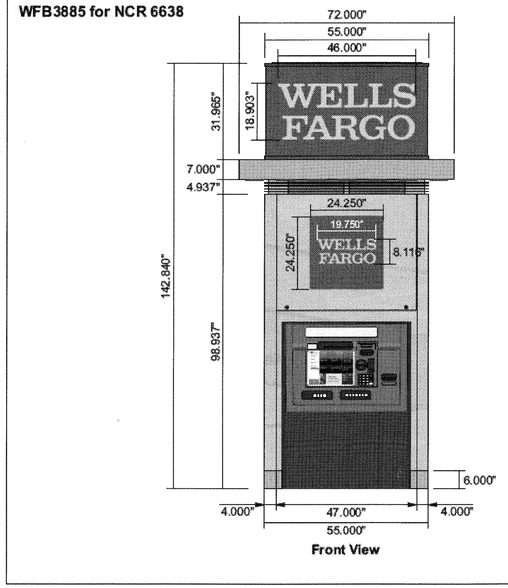
6.

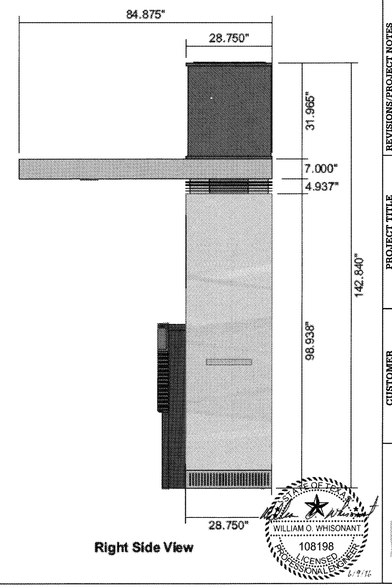
SHEET NO.
SHEET 5 OF 7

THE FITTS COMPANY
1414 DOLLIE ROAD, CALHOUN, GEORGIA 30701
P (463) 625-2440 F (463) 625-2460

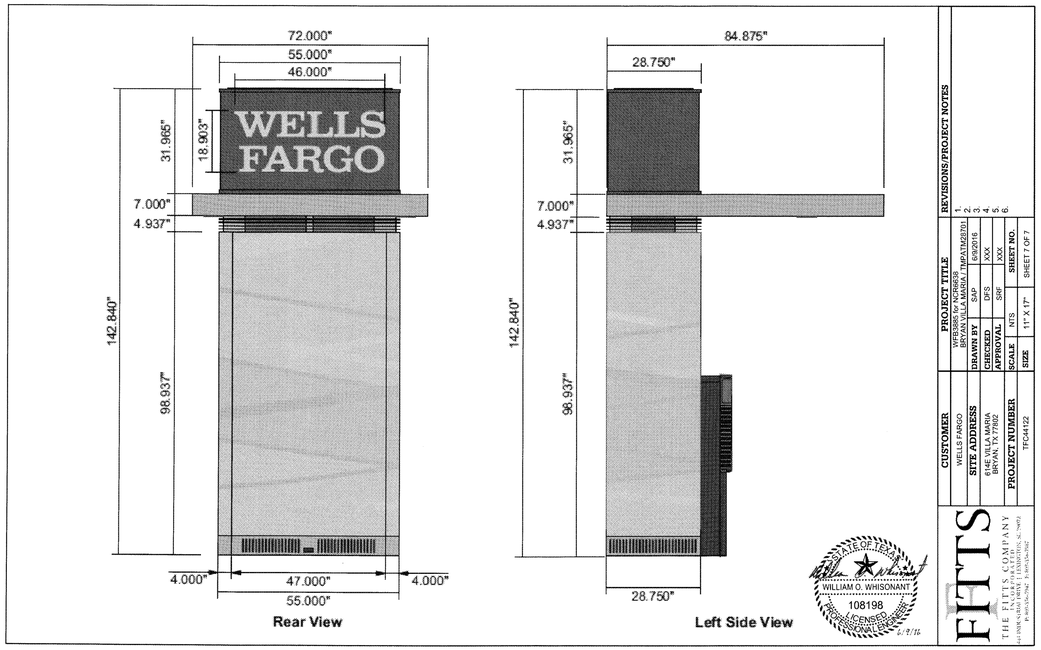
WFB3885 for NCR 6638



Front View



Right Side View



Rear View **Left Side View**

PROJECT TITLE
WFB3885 for NCR6638
BRYAN VILLA MARIA / TMPATM28701

DRAWN BY	SAP
CHECKED	DFS
APPROVAL	SRF
SCALE	NTS
SIZE	11" X 17"

CUSTOMER
WELLS FARGO

SITE ADDRESS
614E VILLA MARIA
BRYAN, TX 77802

PROJECT NUMBER
TFC44122

REVISIONS/PROJECT NOTES
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2.
3. 6/9/2016
4. XXX
5. XXX
6.

SHEET NO.
SHEET 7 OF 7

THE FITTS COMPANY
1414 DOLLIE ROAD, CALHOUN, GEORGIA 30701
P (463) 625-2440 F (463) 625-2460

ATM ENCLOSURE SPECIFICATIONS - SHEET 2

WELLS FARGO
614 E. VILLA MARIA RD.
BRYAN, TX 77802

DATE: No.: REVISION: BY:

SCALE: AS NOTED
DRAWN BY: AS
CHECKED BY:
APPROVED BY:
DATE: 06-10-2016
PROPOSED GRADES BY:
S.S.#

Do Not Scale-Use Dimensions Only
• To the best of my knowledge, the plans and specifications comply with the applicable building codes, ordinances and provisions of the applicable Building Codes. No warranty expressed or implied is hereby given.

PLANS PREPARED BY:
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engineering . environmental . construction
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FL EB #004657 TX FR #F-13377 (954) 427-3076

STATE OF TEXAS
RICHARD R. MORRIS
85957
LICENSED
PROFESSIONAL ENGINEER
JUN 18 2016

RICHARD R. MORRIS
TX REG # 85957

JOB # 16106

DWG # SD-1.1

SHEET NUMBER