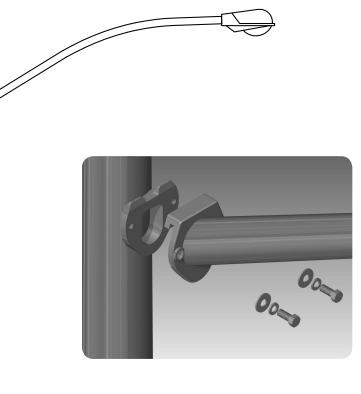


Series PL Elliptical Tapered Luminaire Arm



SERIES PL DESIGN INFORMATION

MAST ARM ATTACHMENTS:

Arms are secured by (2) cap screws to a weather-resistant fitting.

BASE PLATES:

Provided with slotted holes to allow easy anchor bolt installation.

BASE COVERS:

Give a pleasing, smooth transition from shaft to base. They are supplied in two halves and clamp securely to the pole.

ANCHOR BOLTS:

If ordered, are galvanized and supplied with two nuts and two washers per bolt. They meet ASTM F1554 Grade 55 specification.

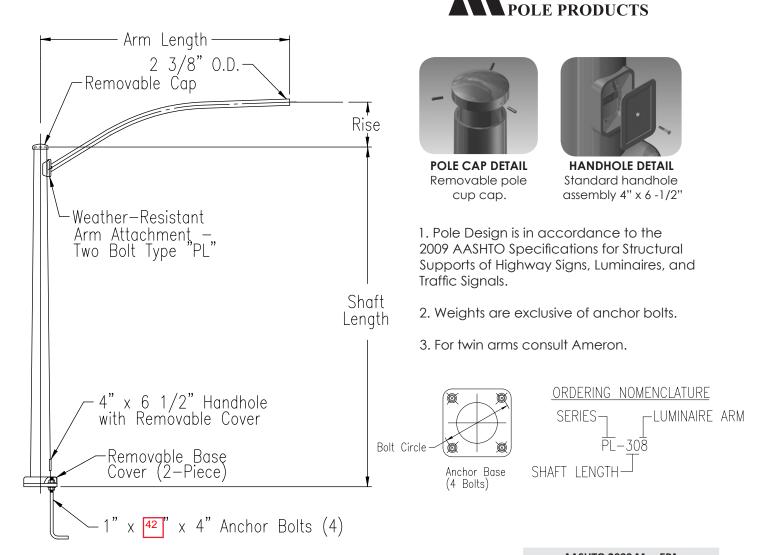
FINISH:

Poles and arms are galvanized in conformance to ASTM A123.

OPTIONS:

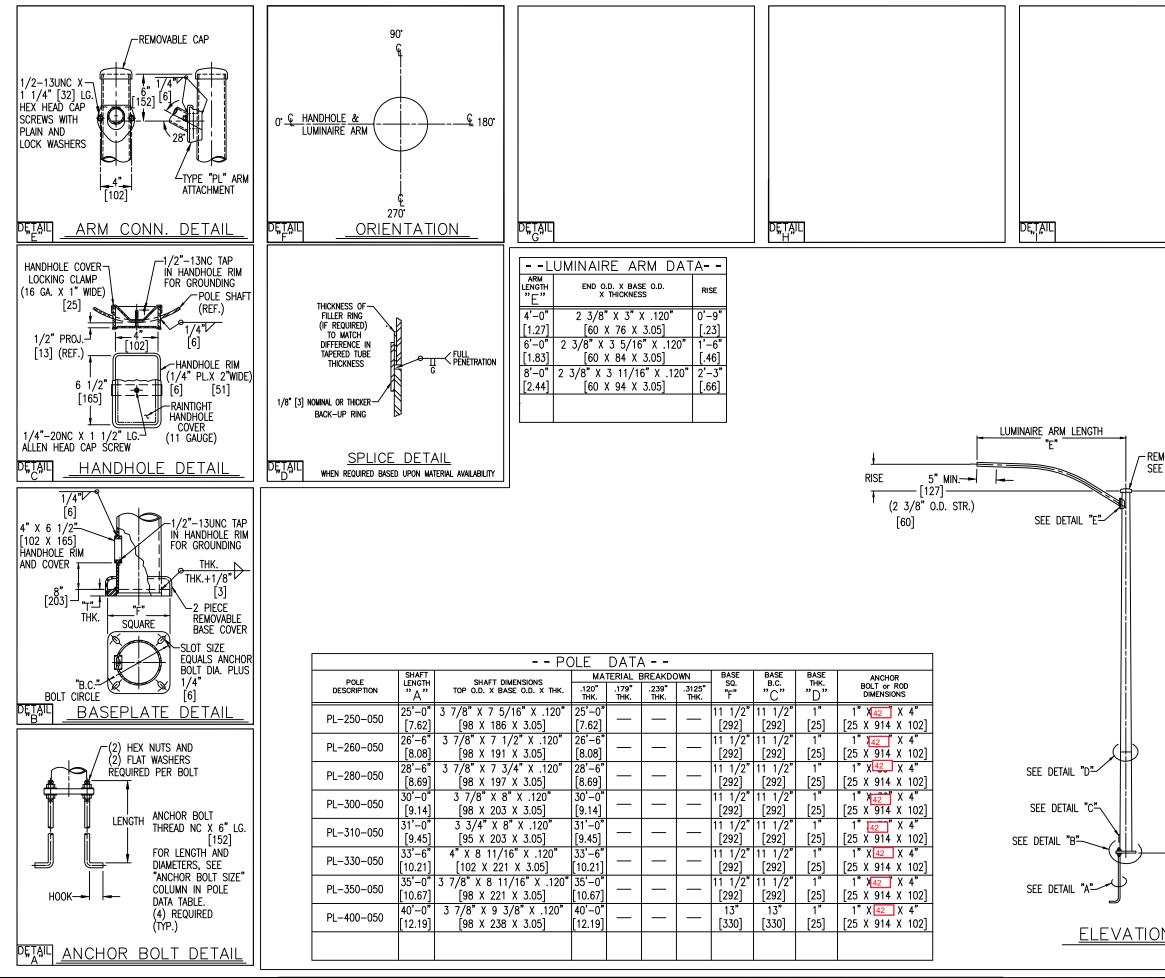
See Page 20 for options and accessories.

Series PL Elliptical Tapered Arm

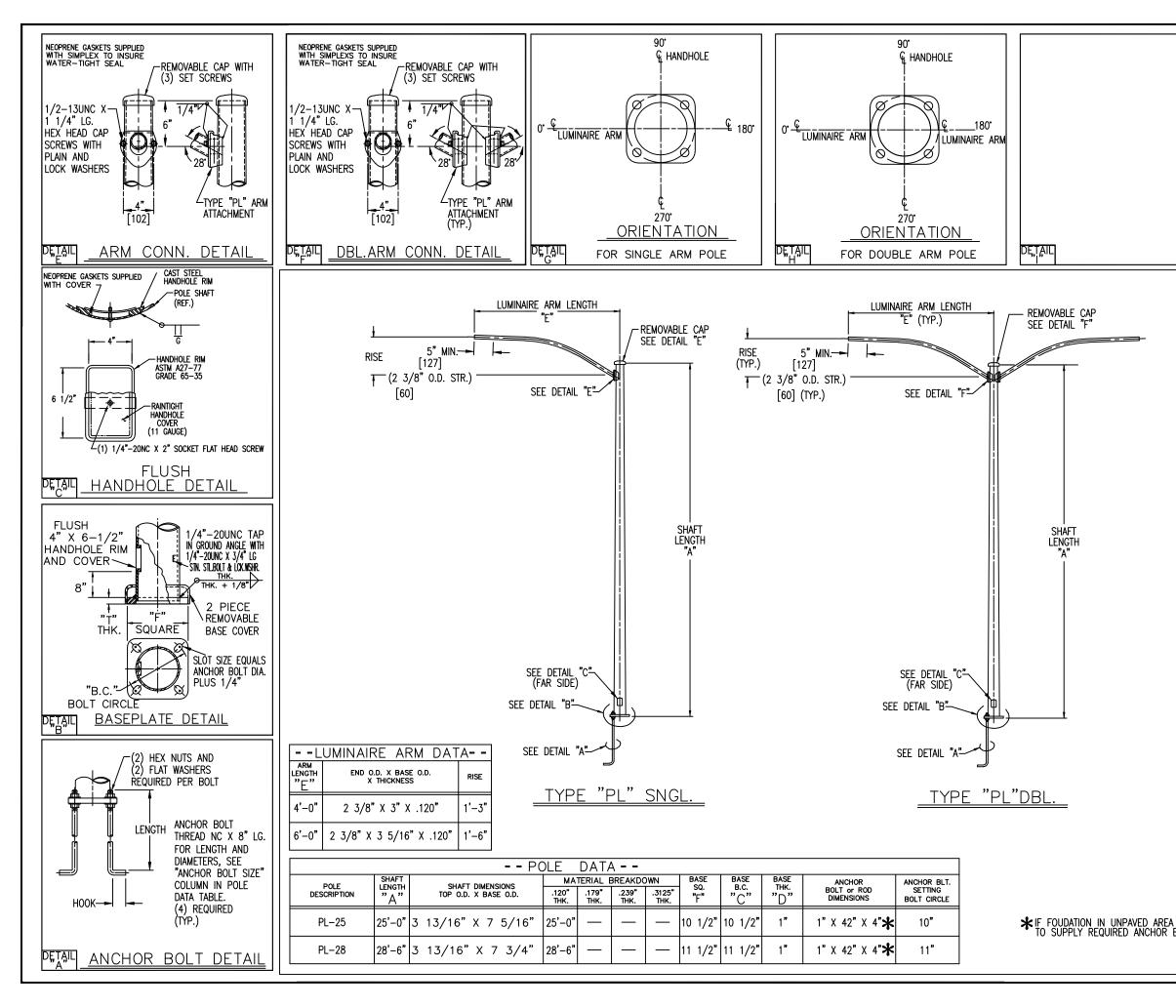


MER

	1									A	ASHTO 20	09 Max EF	PA
Catalog Number	Shaft Length (FT)	Bolt Dia (IN)	Base OD (IN)	BC Min (IN)	BC Max (IN)	Base Square (IN)	Arm Length (FT)	Rise	Weight (LBS)	90 MPH	100 MPH	110 MPH	120 MPH
PL204	20	1	6.625	9.25	11.5	11.5	4	0' - 9"	193	3.3	3.3	3.3	3.3
PL206	20	1	6.625	9.25	11.5	11.5	6	1' - 6"	200	3.3	3.3	3.3	3.3
PL208	20	1	6.625	9.25	11.5	11.5	8	2′ - 3″	210	3.3	3.3	3.3	3.3
PL254	25	1	7.313	10	11.5	11.5	4	0' - 9"	237	3.3	3.3	3.3	3.3
PL256	25	1	7.313	10	11.5	11.5	6	1' - 6"	244	3.3	3.3	3.3	3.3
PL258	25	1	7.313	10	11.5	11.5	8	2' - 3"	254	3.3	3.3	3.3	3.3
PL264	26.5	1	7.519	10	11.5	11.5	4	0' - 9"	252	3.3	3.3	3.3	3.3
PL266	26.5	1	7.519	10	11.5	11.5	6	1' - 6"	259	3.3	3.3	3.3	3.3
PL268	26.5	1	7.519	10	11.5	11.5	8	2' - 3"	269	3.3	3.3	3.3	3.3
PL284	28.5	1	7.794	10.25	11.5	11.5	4	0' - 9"	270	3.3	3.3	3.3	3.3
PL286	28.5	1	7.794	10.25	11.5	11.5	6	1' - 6"	278	3.3	3.3	3.3	3.3
PL288	28.5	1	7.794	10.25	11.5	11.5	8	2′ - 3″	288	3.3	3.3	3.3	3.3
PL304	30	1	8	10.5	11.5	11.5	4	0' - 9"	285	3.3	3.3	3.3	3.3
PL306	30	1	8	10.5	11.5	11.5	6	1' - 6"	292	3.3	3.3	3.3	3.3
PL308	30	1	8	10.5	11.5	11.5	8	2' - 3"	303	3.3	3.3	3.3	3.3
PL354	35	1	8.688	11.25	11.5	11.5	4	0' - 9"	341	3.3	3.3	3.3	3.3
PL356	35	1	8.688	11.25	11.5	11.5	6	1' - 6"	348	3.3	3.3	3.3	3.3
PL358	35	1	8.688	11.25	11.5	11.5	8	2' - 3"	358	3.3	3.3	3.3	3.3
PL404	40	1	9.375	12	13	13	4	0' - 9"	429	3.3	3.3	3.3	3.3
PL406	40	1	9.375	12	13	13	6	1' - 6"	436	3.3	3.3	3.3	3.3
PL408	40	1	9.375	12	13	13	8	2' - 3"	446	3.3	3.3	3.3	3.3



	– – GENERAL NOTES– –
	MATERIAL SPECIFICATIONS
	SHAFT STEEL OF 48 K.S.I. MINIMUM
	YIELD AFTER FABRICATION
	BASEPLATES AND ASTM A-36 FLANGES
	PIPE ASTM A-53 GR. B
	OR A-500 GR. B
	ANCHOR BOLTS ASTM F1554 GR. 55
	MANUFACTURING PROCESSES
	BUTT WELDS GROUND FLUSH WITH BASE METAL LONGITUDINAL BUTT WELDED BY THE ELECTRICAL
	WELDS RESISTANCE WELD PROCESS
	CIRCUMFERENTIAL BUTT WELD WITH PERMANENT
	WELDS BACK-UP RING FINISH COATING
	STRUCTURE HOT DIP GALVANIZE PER ASTM
	A-123
	HARDWARE HOT DIP GALVANIZE PER ASTM A-153
	DESIGN CRITERIA
	STRUCTURE IN ACCORDANCE WITH THE "SPEC- AND HARDWARE IFICATIONS FOR STRUCTURAL SUPPORTS OF HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS," AASHTO 1994
	WELDING IN ACCORDANCE WITH LATEST EDITION
	OF AWS D1.1 WELDING CODE
	NOTES: ORDERING NOMENCLATURE
	SERIESLUMINAIRE ARM
REMOVABLE CAP SEE DETAIL "E"	PL-266-050 SHAFT LENGTH-J LDWG. NO.
	SHAFI LENGIH — DWG. NU.
	 DIMENSIONS IN [] ARE METRIC. FEET CONVERT TO METERS, INCHES TO MILLIMETERS. SINGLE ARM POLES ARE DESIGNED IN ACCORDANCE WITH 1994 AASHTO FOR A MAX. OF 100 MPH WIND ZONE WITH AN EPA OF 2.0 SQ. FT. THE COMPONENT DETAILS ARE BASED ON DESIGNS THAT HAVE BEEN REVIEWED AND STAMPED BY A PROFESSIONAL ENGINEER AND ARE ON FILE WITH THE MANUFACTURER.
SHAFT LENGTH "A"	
	L 12/14 REV. UPDATE NOTES RJR MHM
	K 8/12 REV. MATERIAL SPEC. BB JJ
	J 3/12 REV. SPLICE DETAIL BB JJ
<u> </u>	I 5/11 REV. BASE O.D. OF PL33 BB JB H 12/08 REV. PIPE MATERIAL BB RD
	REV DATE DESCRIPTION BY APPR
	AUMERON DIVISION
	"PL" SERIES LIGHTING STANDARD
ON	
	THE DOCUMENT CONTAINS INFORMATION WHICH IS PROPRIETARY TO AMERICA. IT SHALL NOT BE REPACQUED, USED ON DISCLOSED TO ANTONE WITHOUT THE PROCH WITTEN PERMISSION OF AMERICAL
	DRAWN : N.H. DATE : 5/95 SCALE DWG. NO. REV.
	APPR : DATE : N.T.S. 050 L



	GE	NERAL NOTES
		L SPECIFICATIONS
		EEL OF 48 K.S.I. MINIMUM
		ELD AFTER FABRICATION
		STM A-36
	I FLANGES I PIPE AS	STM A-53 GR. B or A-500 GR. B
		STM F1554 GR. 55
	· · · · ·	
		ROUND FLUSH WITH BASE METAL
	LONGITUDINAL BU	JTT WELDED BY THE ELECTRICAL
		SISTANCE WELD PROCESS
		JTT WELD WITH PERMANENT ACK-UP RING
		ISH COATING
		DT DIP GALVANIZE PER ASTM
	A-	-123
		DT DIP GALVANIZE PER ASTM
		-153
		IGN CRITERIA
	STRUCTURE IN	ACCORDANCE WITH THE "SPEC-
	l Isu	JPPORTS OF HIGHWAY SIGNS.
		IMINAIRES AND TRAFFIC SIGNALS,"
		SHTO 2001 W/INTERIMS THRU 2006 ACCORDANCE WITH LATEST EDITION
		ACCORDANCE WITH LATEST EDITION
	NOTES:	
	ORDERING NOM	MENCLATURE
	SHAFT-	-ADD LETTER "D"
	LENGTH	DOUBLE ARM
	PL-28	6D
	T T	Ť
	POLE-J TYPE	LUM. ARM
		ARM
		MA 1'-6" PER CUST. MHM GM ISE ON LMA TO 2'-0" MHM GM
		LUM ARM BB MHN
		ISE ON LMA TO 1'-6" MHM GM
	REV DATE	DESCRIPTION BY APPR
		POLE PRODUCTS
	<u>almeron</u>	DIVISION
CONTRACTOR	CITY (OF SAN FRANCISCO
BOLT LENGTH.		SERIES LIGHTING
		NFORMATION WHICH IS PROPRIETARY TO AMERICAL IT SHALL NOT BE SED TO ANYONE WITHOUT THE PRIOR WRITTEN PERMISSION OF AMERICAL
		E: 2/11 SCALE DWG. NO. REV
		e : 2/11 n.t.s. SF1101 d



1C3 Round Pole - Base Plate

Ameron Contemporary Series 1C3 prestressed, spun-cast concrete lighting poles are ideal for street lighting, recreational areas, parking lots, park security and walkways. Application can be post top or mast arm. These strong, durable poles are available in optional color finishes that blend attractively with the environment.

General Information

The Ameron tapered spun-cast, prestressed concrete pole is manufactured to obtain optimum strength. Each Ameron pole features accurately placed high-tensile steel prestressing cables; a welded, spirally wrapped wire cage for torsional reinforcement; high-strength centrifugally cast concrete; and a surface treated to insure uniform texture. Ameron poles conform to applicable sections of ACI, AASHTO, ASTM and UBC standards.

Surface Treatment

The concrete shafts are lightly blasted to expose the texture and beauty of the natural aggregates while maintaining sharp definition of details and patterns.

Colors and Finishes

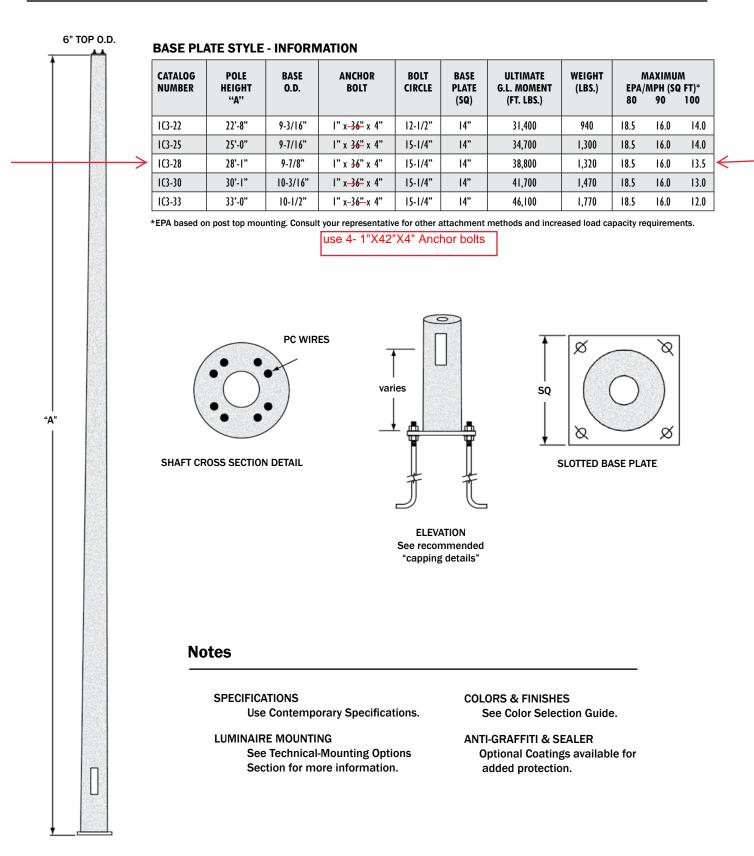
Standard, pre-formulated and custom aggregate colors are available. See separate aggregate sheet for details. Ameron offers Amershield[™], a premium graffiti-resistant coating, plus an assortment of durable sealers and protectants that further enhance colors, protect the concrete surface and aid in the removal of graffiti.

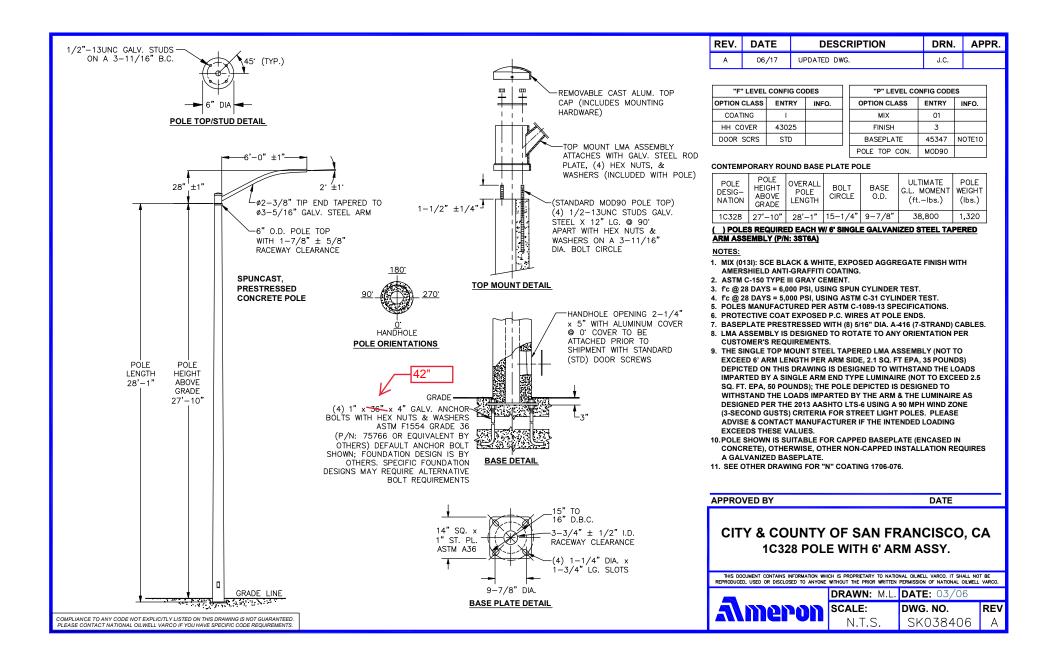


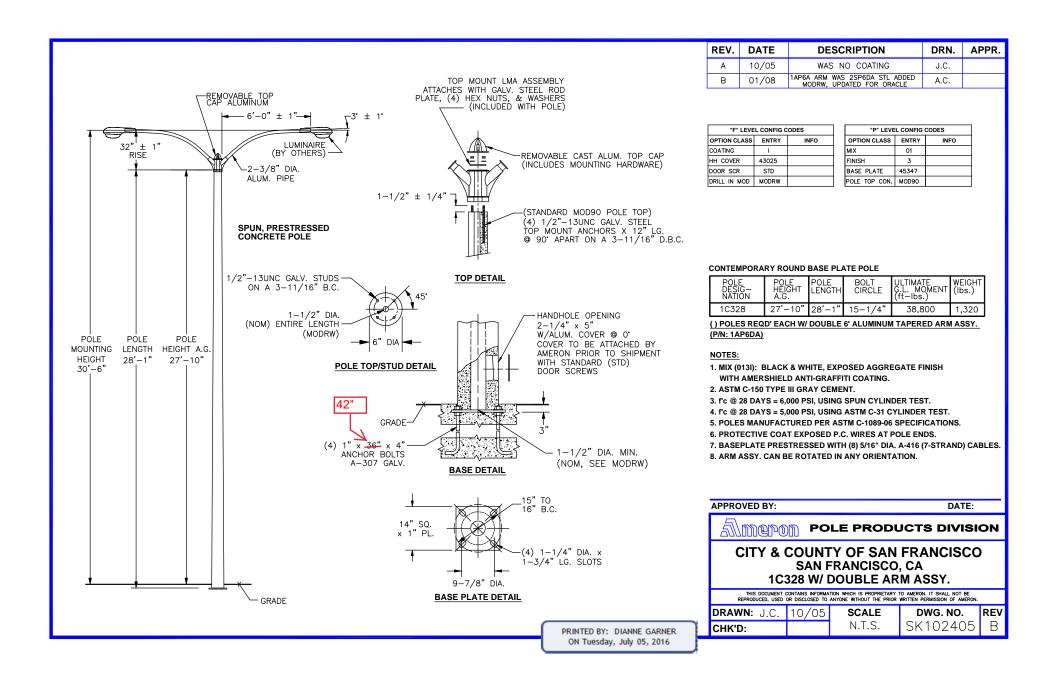


Contemporary Series 1C3 - Round Pole - Base Plate









2B2 Round Pole - Base Plate



Ameron Contemporary Series 2B2 prestressed, spun-cast concrete lighting poles are ideal for street lighting, recreational areas, parking lots, park security and walkways. Application can be post top or mast arm. These strong, durable poles are available in optional color finishes that blend attractively with the environment.

General Information

The Ameron tapered spun-cast, prestressed concrete pole is manufactured to obtain optimum strength. Each Ameron pole features accurately placed hightensile steel prestressing cables; a welded, spirally wrapped wire cage for torsional reinforcement; high-strength centrifugally cast concrete; and a surface treated to insure uniform texture. Ameron poles conform to applicable sections of ACI, AASHTO, ASTM and UBC standards.

Surface Treatment

The concrete shafts are lightly blasted to expose the texture and beauty of the natural aggregates while maintaining sharp definition of details and patterns.

Colors and Finishes

Standard, pre-formulated and custom aggregate colors are available. See separate aggregate sheet for details. Ameron offers Amershield[™], a premium graffitiresistant coating, plus an assortment of durable sealers and protectants that further enhance colors, protect the concrete surface and aid in the removal of graffiti.





"A"

5" TOP O.D.

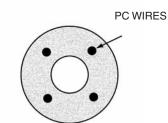


BASE PLATE STYLE - INFORMATION

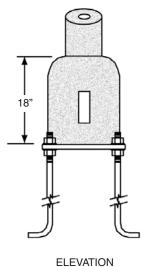
CATALOG NUMBER	POLE HEIGHT "A"	BASE O.D.	ANCHOR BOLT	BOLT CIRCLE	BASE PLATE (SQ)	ULTIMATE G.L. MOMENT (FT. LBS.)	WEIGHT (LBS.)		NAXIMU MPH (S 90	
2B2-18	18'-7"	11-3/4"	l" x 36" x 4"	4"	13"	12,900	620	11.0	9.0	6.5
2B2-24	24'-4"	11-3/4"	l" x 3 6" x 4"	4"	13"	17,200	820	10.0	8.0	5.0
2B2-26	26'-7"	11-3/4"	l" x 36" x 4"	14"	13"	17,800	900	9.5	7.0	4.5

*EPA based on post top mounting. Consult your representative for other attachment methods and increased load capacity requirements.

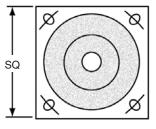
use 4- 1"X42"X4" Anchor bolts



SHAFT CROSS SECTION DETAIL



See recommended "capping detail"



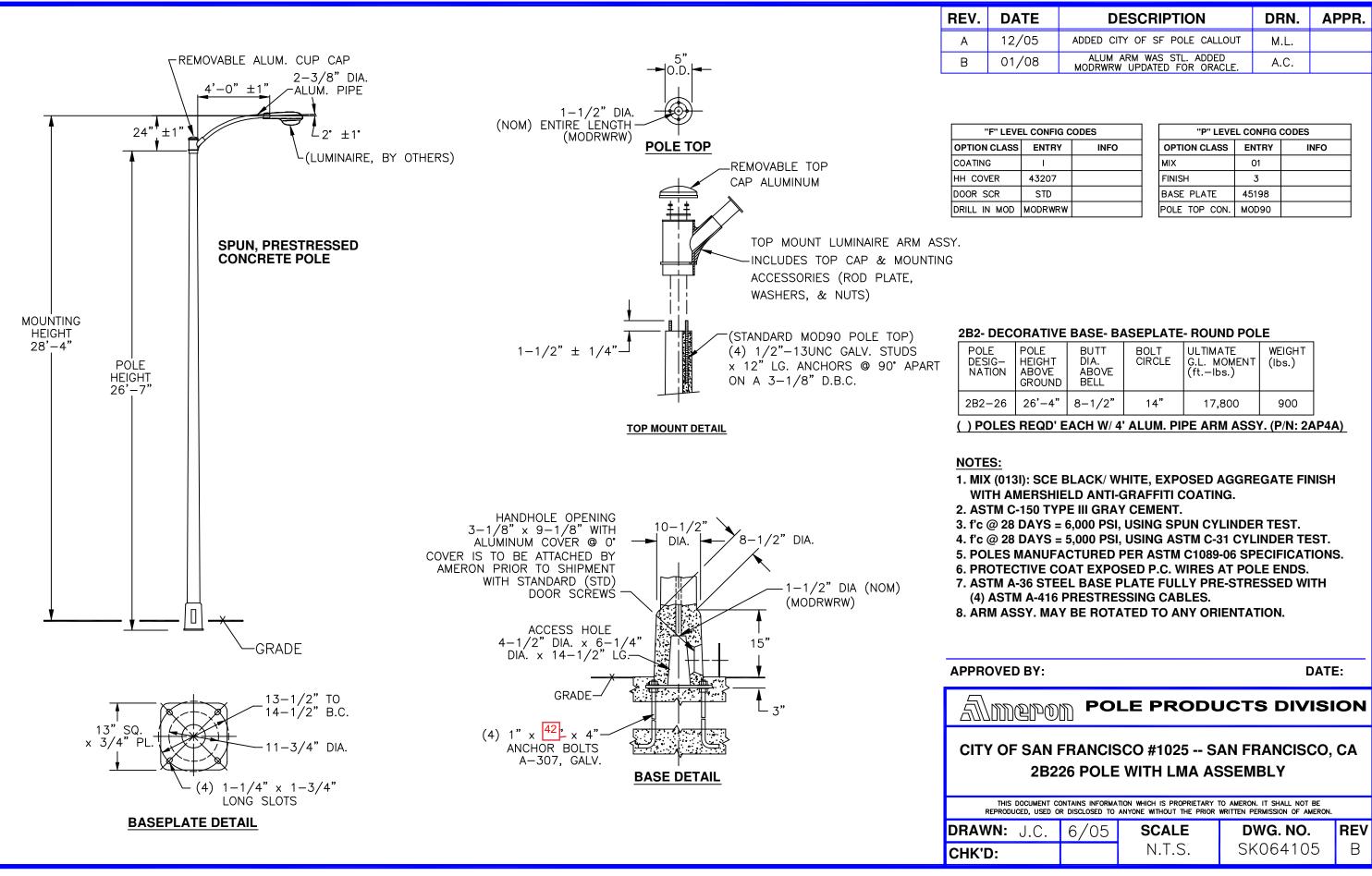
SLOTTED BASE PLATE

Notes

SPECIFICATIONS Use Contemporary Specifications.

LUMINAIRE MOUNTING See Technical-Mounting Options Section for more information. COLORS & FINISHES See Color Selection Guide.

ANTI-GRAFFITI & SEALER Optional Coatings available for added protection.



Ξ	DESCRIPTION	DRN.	APPR.
5	ADDED CITY OF SF POLE CALLOUT	M.L.	
8	ALUM ARM WAS STL. ADDED MODRWRW UPDATED FOR ORACLE.	A.C.	

ONFIG CODES					
ENTRY	INFO				
1					
3207					
STD					
DRWRW					

"P" LEVEL CONFIG CODES					
OPTION CLASS	ENTRY	INFO			
МІХ	01				
FINISH	3				
BASE PLATE	45198				
POLE TOP CON.	MOD90				

	-	-		
LE IGHT OVE OUND	BUTT DIA. ABOVE BELL	BOLT CIRCLE	ULTIMATE G.L. MOMENT (ft.—Ibs.)	WEIGHT (Ibs.)
6'-4"	8-1/2"	14"	17,800	900

5B1 - 5B7 Octagonal Pole - Base Plate



Ameron Contemporary Series 5B1 - 5B7 prestressed, spun-cast concrete lighting poles are ideal for street lighting, recreational areas, parking lots, park security and walkways. Application can be post top or mast arm. These strong, durable poles are available in optional color finishes that blend attractively with the environment.

General Information

The Ameron tapered spun-cast, prestressed concrete pole is manufactured to obtain optimum strength. Each Ameron pole features accurately placed hightensile steel prestressing cables; a welded, spirally wrapped wire cage for torsional reinforcement; high-strength centrifugally cast concrete; and a surface treated to insure uniform texture. Ameron poles conform to applicable sections of ACI, AASHTO, ASTM and UBC standards.

Surface Treatment

The concrete shafts are lightly blasted to expose the texture and beauty of the natural aggregates while maintaining sharp definition of details and patterns.

Colors and Finishes

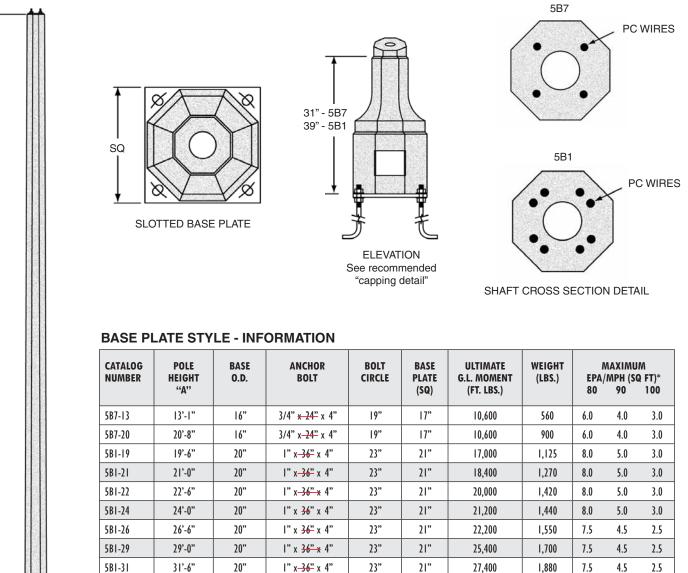
Standard, pre-formulated and custom aggregate colors are available. See separate aggregate sheet for details. Ameron offers Amershield[™], a premium graffitiresistant coating, plus an assortment of durable sealers and protectants that further enhance colors, protect the concrete surface and aid in the removal of graffiti.



Contemporary Series 5B1 - 5B7 Decorative Base Octagonal Pole - Base Plate

5" TOP O.D. - 5B7-13 4" TOP O.D. - 5B7-20 6" TOP O.D. - 5B1-19 - 31

"A"



*EPA based on post top mounting. Consult your representative for other attachment methods and increased load capacity requirements.

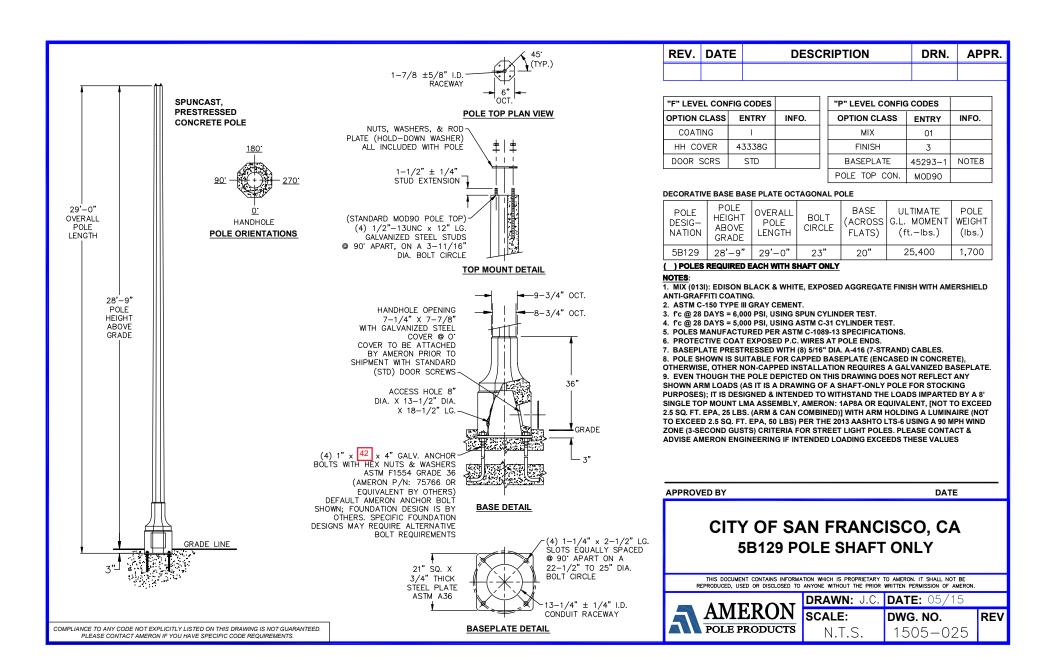
use 4- 1"X42"X4" Anchor bolts

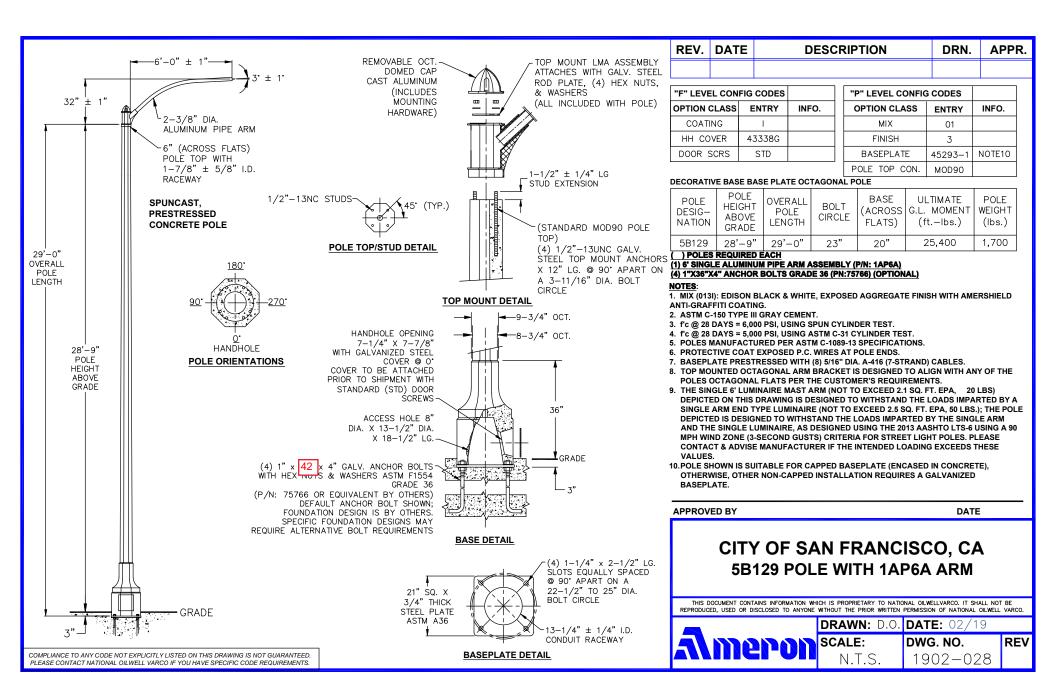
Notes

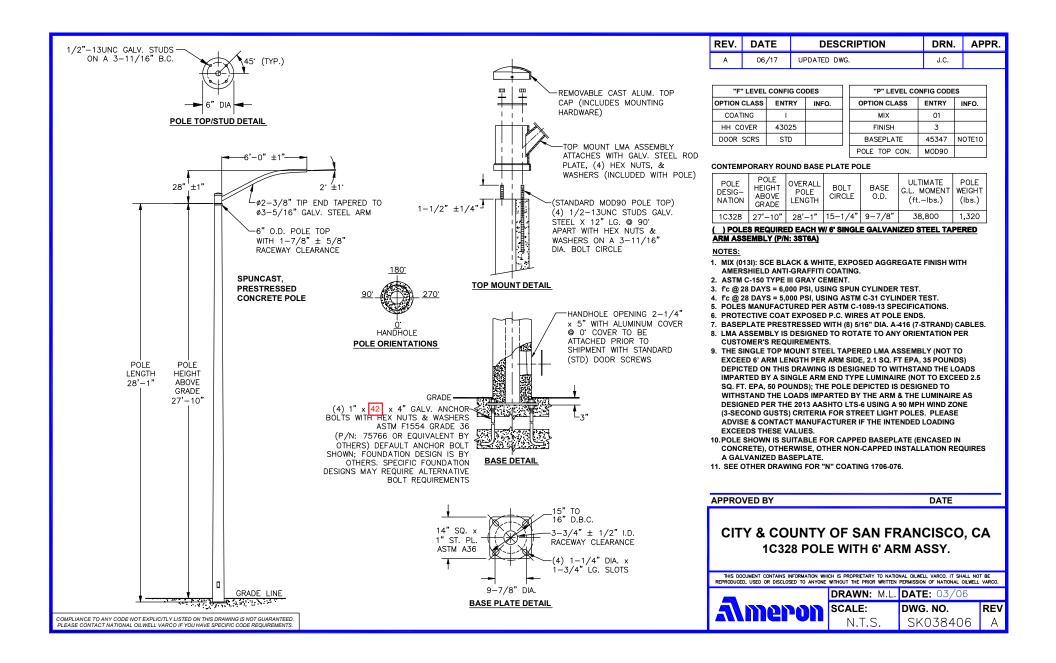
SPECIFICATIONS Use Contemporary Specifications.

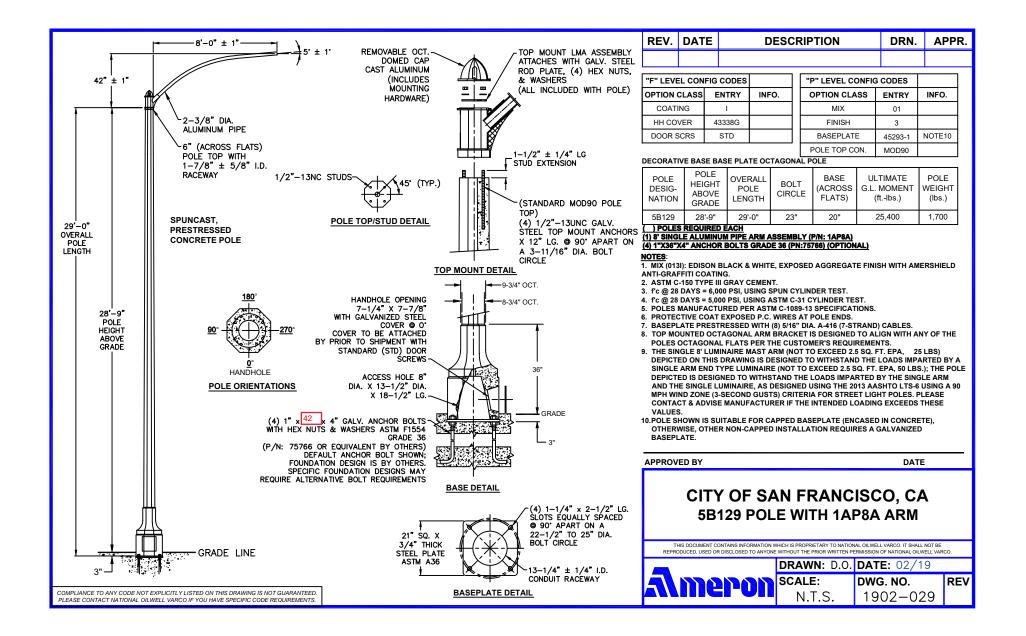
LUMINAIRE MOUNTING See Technical-Mounting Options Section for more information. COLORS & FINISHES See Color Selection Guide.

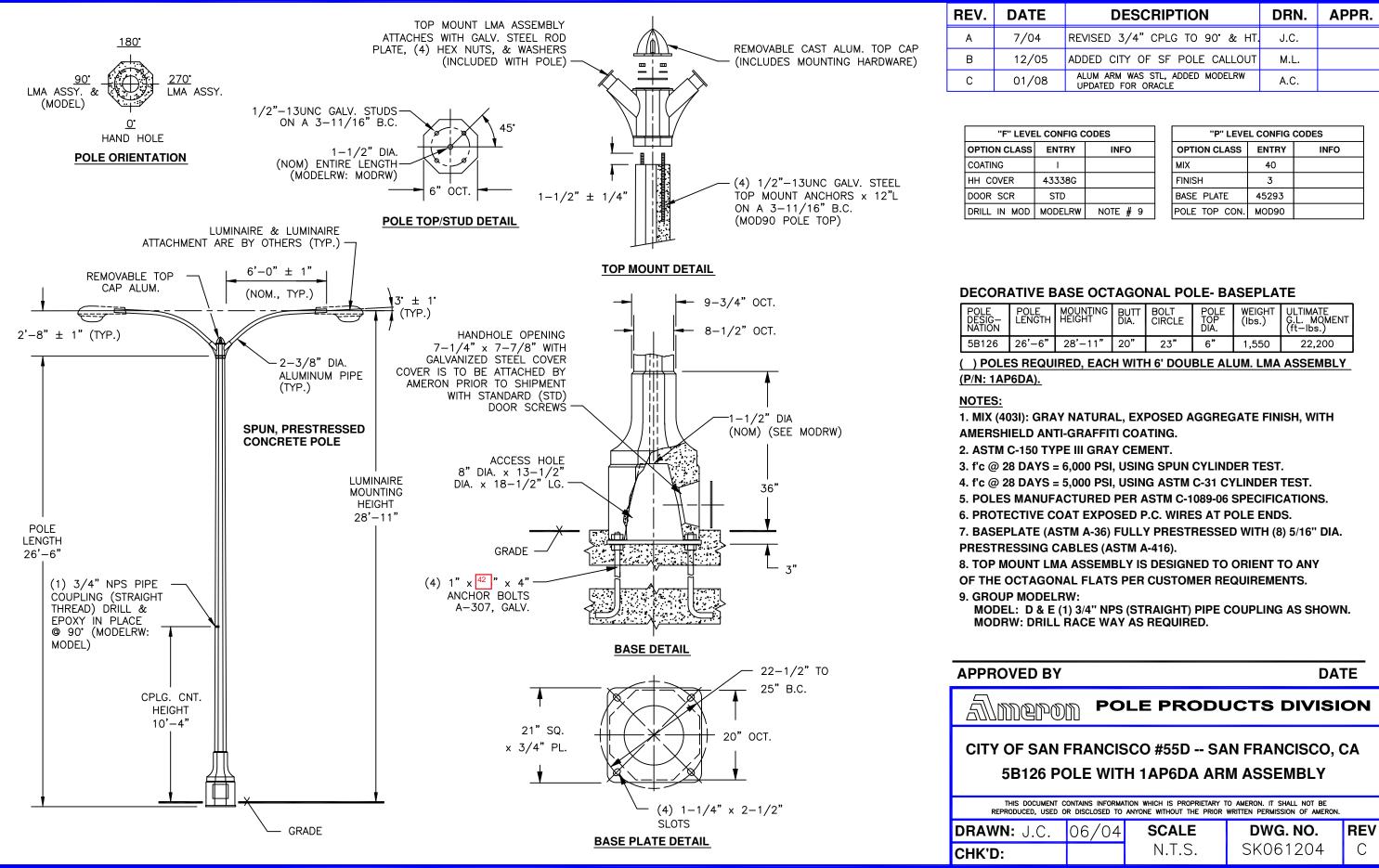
ANTI-GRAFFITI & SEALER Optional Coatings available for added protection.









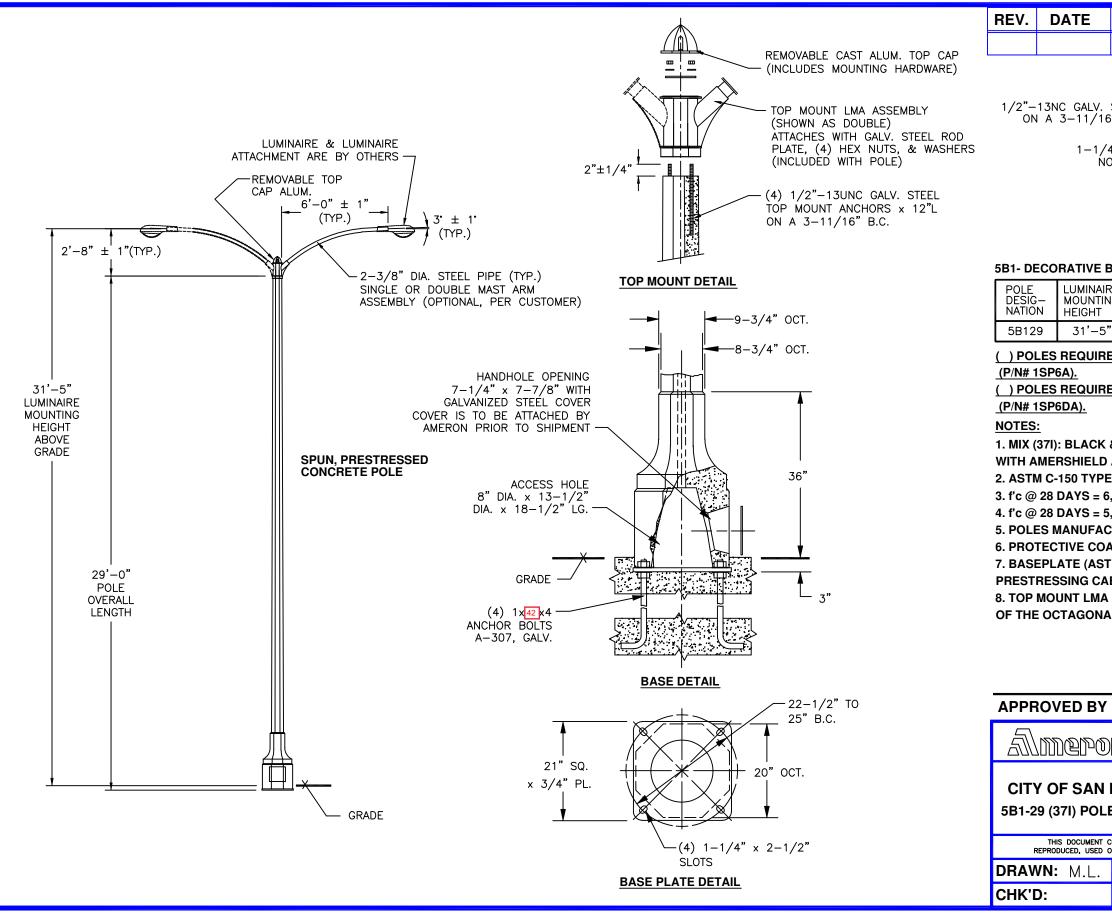


Ξ	DESCRIPTION	DRN.	APPR.
	REVISED 3/4" CPLG TO 90° & HT.	J.C.	
5	ADDED CITY OF SF POLE CALLOUT	M.L.	
8	ALUM ARM WAS STL, ADDED MODELRW UPDATED FOR ORACLE	A.C.	

CONFIG CODES					
ENTRY INFO					
Ι					
43338G					
STD					
MODELRW	NOTE # 9				

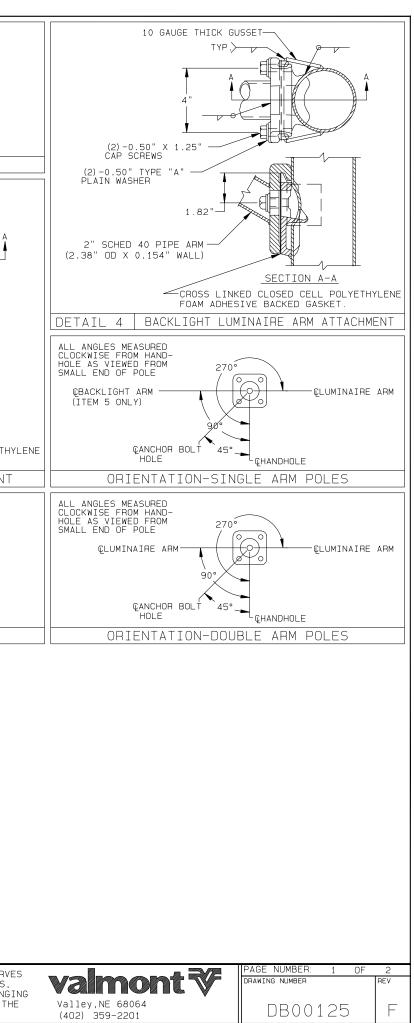
"P" LEVEL CONFIG CODES						
OPTION CLASS	ENTRY	INFO				
MIX	40					
FINISH	3					
BASE PLATE	45293					
POLE TOP CON.	MOD90					

тн Тн	MOUNTING HEIGHT	BUTT DIA.	BOLT CIRCLE	POLE TOP DIA.	WEIGHT (Ibs.)	ULTIMATE G.L. MOMENT (ft-lbs.)		
6"	28'-11"	20"	23"	6"	1,550	22,200		



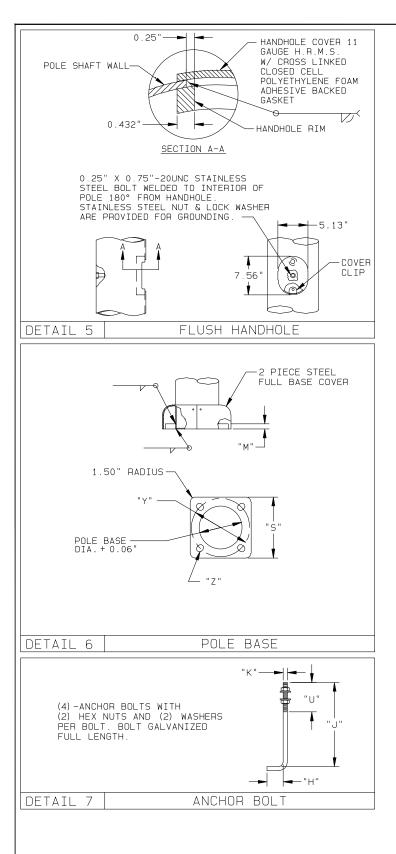
	DE	SCRIPT	ION		DRN.	AF	PR.			
A. STUDS 16" B.C. 1/4" DIA. NOMINAL 6" OCT. POLE TOP/STUD DETAIL E BASE- BASE PLATE- OCTAGONAL POLE AIRE POLE BOLT ULTIMATE WEIGHT TING LENGTH CIRCLE ULTIMATE (Ibs.) 5" 29'-0" 23" 25,400 1,700										
IRE	D, EACH W	ITH 6' SIN	GLE STEE	L PIP	E LMA AS	SEM	BLY			
IRED, EACH WITH 6' DOUBLE STEEL PIPE LMA ASSEMBLY K & WHITE LA, EXPOSED AGGREGATE FINISH D ANTI-GRAFFITI COATING. PE III GRAY CEMENT. = 6,000 PSI, USING SPUN CYLINDER TEST. = 5,000 PSI, USING ASTM C-31 CYLINDER TEST. ACTURED PER ASTM C-1089-97 SPECIFICATIONS. OAT EXPOSED P.C. WIRES AT POLE ENDS. STM A-36) FULLY PRESTRESSED WITH (8) 5/16" DIA. CABLES (ASTM A-416). MA ASSEMBLY IS DESIGNED TO ORIENT TO ANY NAL FLATS PER CUSTOMER REQUIREMENTS.										
	PC	DLE	PR	\sim		СТ	S			
D)))	&	SYS		EMS		-			
DLE	FRANCIS E WITH 6' L	.MA ASS	EMBLY (SING	LE OR D	OUB				
	ONTAINS INFORMAT R DISCLOSED TO /	NYONE WITHOUT	THE PRIOR WR	ITTEN PE	RMISSION OF A	MERON.				
•	12/05	SCA N.T.			VG. NO. 12180		REV			
_										

		└ ── ──"∟"───►					-	"L"		—"L"-			2				
	DETAIL 1		DETAIL 3					DETAIL	1			DETAIL	. Э				
				4								4	•		PLACE WIT	TOP CAP HELD IN H 3 STAINLESS	
	<u>†</u>			Ş			-	<u> </u>				H	Ş		STEEL SET	SCREWS.	
ll Î	Ă		<u>I</u>	LUMIN. MOUNT	ING		Ť	Ĭ			$\overline{}$		LUMINAIRE MOUNTING				
	I		\	HEIG "T	HT.			I					HEIGHT "T"				
		DETAIL 2	SEE LUMINAIRE							- DETAII		SEE INATRE					
			ARM DATA								ARM	INAIRE DATA		DETA	TI 1	POI	E TOP
		SINGLE ARM POLE								OUBLE	ARM POLE				10	0 GAUGE THICK GUSSET	
			-							OODLL					(2)-0.50	TYP.≻ × 1.25" −	
															CAP SCRE	WS T	
	"∟"→	DETAIL 4														I Î (T	
SEE PI		(ITEM 5 ONLY)					SEE P									4.00"	
DAT	A						DAT/	4									
	Ī																A Star
															-0.50" TYPE IN WASHER	_ A	
															THE		
	14'-0"													*		1.82"	
		DETAIL 5									DETAIL 5					4'-0" ARM- 3.25"	
																6'-0" ARM- 3.75" 8'-0" ARM- 4.00"	
		DETAIL 6							J OF		DETAIL 6				2.75" 🖛		
	1	DETAIL 7					Ţ		1'-6"	[DETAIL 7			SEC	CTION B-B		SECTION A-A
		DETAIL /									JETAIL /					FOAM ADHESIVE	LOSED CELL POLYETHY BACKED GASKET.
		ĻJ							LJ					DETA	IL 2	LUMINAIRE A	RM ATTACHMENT
	МАТЕГ	RIAL DATA		INISH	דעם ב	- ^			LLIM		re arm da	ТΛ			ł		
	MAILE			TNTO	I DAI	A				TUATI			- DIGE	8. RE	.00" NOMINA EFORMED TO	L STRAIGHT SECTION 2.38" O.D.	
Col	MPONENT	ASTM MIN. YIELD						QTY		IXED E DIA.	ND FREE END DIA.	GAUGI OR	HEIGHT				
		DESIGNATION (KSI)	SYSTEM: BASE COAT:		ANIZED			GIT	. (FT)	(IN)	(IN)	THIC (IN)					
POLE SH BASE PL		A595 GR.A 55 A36 36		ASTM	A123	_VANIZEL	, 10		1.83	2.38	2.38	0.15					3°
SIMPLEX		A27 GR65-35 OR A36 36	PRIME COAT FINISH COA						4.00	3.08	2.40	11	2.00			8.0	DO" 🖛 🗂 RISE
PIPE AF		A501,A513,A618 36	COLOR: SPEC:	NONE F-1					6.00	З.ЗО	2.40	11	2.00				
ANCHOR		A500 GR.B F1554 GR.55 55							8.00	3.57	2.40	11	2.00		TL O		
HARDWAF	RE COATING	HOT DIP ZINC													IL 3	REFURME	D ARM END
						POLE	DATA										
			LUMINAIRE		POLE	E TUBE			POLE B	ASE			ANCHOR BOLT				
			MOUNTING	DAGE	TOD		GAUGE	COUL4 DE	BOLT CIRCLE	T1.07		D.T.4		THREAD			
QTY.	ITEM	DESCRIPTION	HEIGHT "T"	BASE DIA.	TOP DIA.	LENGTH (FT)	OR THICK	SQUARE "S"	RANGE	ТНК. "М"	HOLE/SLOT "Z"	DIA. "K"	LENGTH HOOK	LENGTH "U"			
			(FT)	(IN)	(IN)		(IN)	(IN)	(IN)	(IN)	(IN)	(IN)	(IN) (IN)	(IN)			
	SIN	GLE ARM POLES															
	1	DS36-738A160-0S	17.50	7.38	5.14	16.00	11	10.50	10.00 - 11.00	1.000	1.25 X 1.75	1.00	42.00 6.00	6.00			
	2	DS36-738A220-0S	23.50	7.38	4.30	22.00	11	10.50	10.00 - 11.00	1.000	1.25 X 1.75	1.00	42.00 6.00	6.00			
	3	DS36-738A250-0S	26.50	7.38	3.88	25.00	11	10.50	10.00 - 11.00	1.000	1.25 X 1.75	1.00	42.00 6.00	6.00			
	4	DS36-730A286-0S	30.00	7.30	3.31	28.50	11	10.50	10.00 - 11.00	1.000	1.25 X 1.75	1.00	42.00 6.00	6.00			
)S36-730A286-0S-BACKLIGHT	30.00	7.30	3.31	28.50	11		10.00 - 11.00					6.00			
	6	DS36-730A336-0S	35.00	7.30	2.61	33.50	11	10.50	10.00 - 11.00	1.000	1.25 X 1.75	1.00	42.00 6.00	6.00			
	1	JBLE ARM POLES	00 50	7 ^^	2	00.00	4.4	10 50	10.00 11.00	1 000	1 05 4 75	1 00		6 00			
	7 8	DS36-700A220-0D DS36-700A250-0D	23.50	7.00	3.92 3.50	22.00 25.00	11		10.00 - 11.00 10.00 - 11.00					6.00 6.00			
	9	DS36-730A286-0D	30.00	7.30	3.30	28.50	11		10.00 - 11.00 10.00 - 11.00					6.00			
	10	DS36-762A336-0D	35.00	7.62	2.93		11		10.00 - 11.00								
				L		1			1								
		BDS 11/06/19 ABS WERE 1"X		0 07 -	IF 611		TITLE C	ITY R.	COUNTY OF	SAN	FRANCISCO)					TRIES, INC. RESERVE
		BDS 03/12/19 BPLS RESIZED <jw5 11="" 12="" 18="" added="" backlig<="" td=""><td></td><td>U BE TI</td><td>TE SAME</td><td>-</td><td></td><td></td><td>LES SINGLE</td><td></td><td></td><td></td><td>AIRE</td><td></td><td></td><td>ENGINEER APPRO</td><td>O INSTALL VARIOUS, VED, MATERIAL HANGI</td></jw5>		U BE TI	TE SAME	-			LES SINGLE				AIRE			ENGINEER APPRO	O INSTALL VARIOUS, VED, MATERIAL HANGI
— JKC	08/30/85	GJM 08/30/85 — — — -				- — –			NG STRUCTUR							ACCOMMODATIO	NS TO FACILITATE THE TURING PROCESS.
REV DRAW	IN BY-DATE	CHECK BY-DATE	DESCRIPTION														

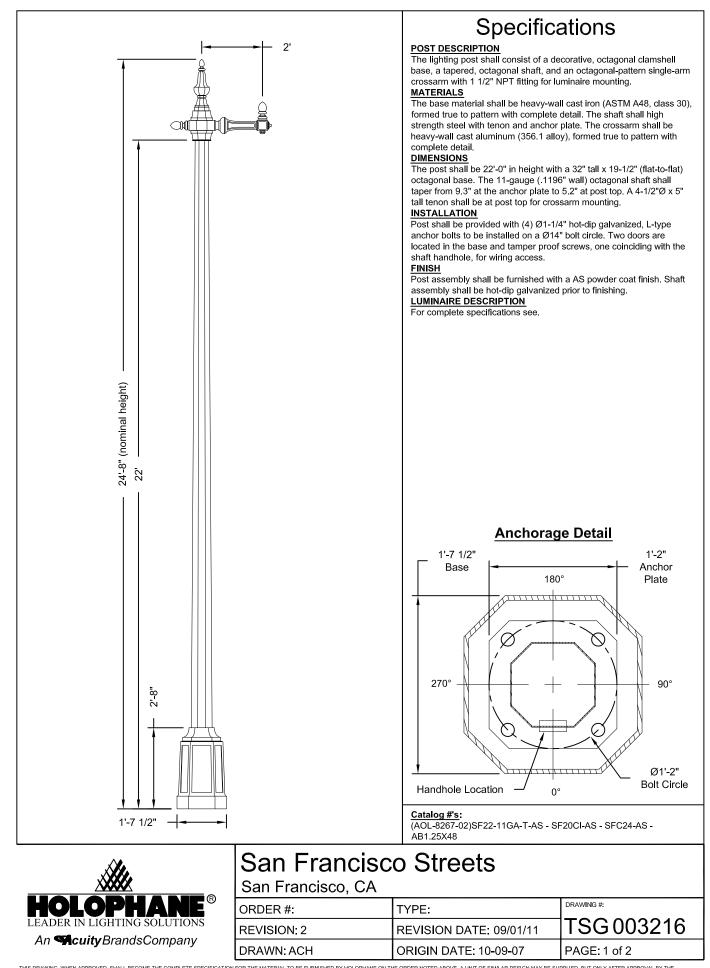


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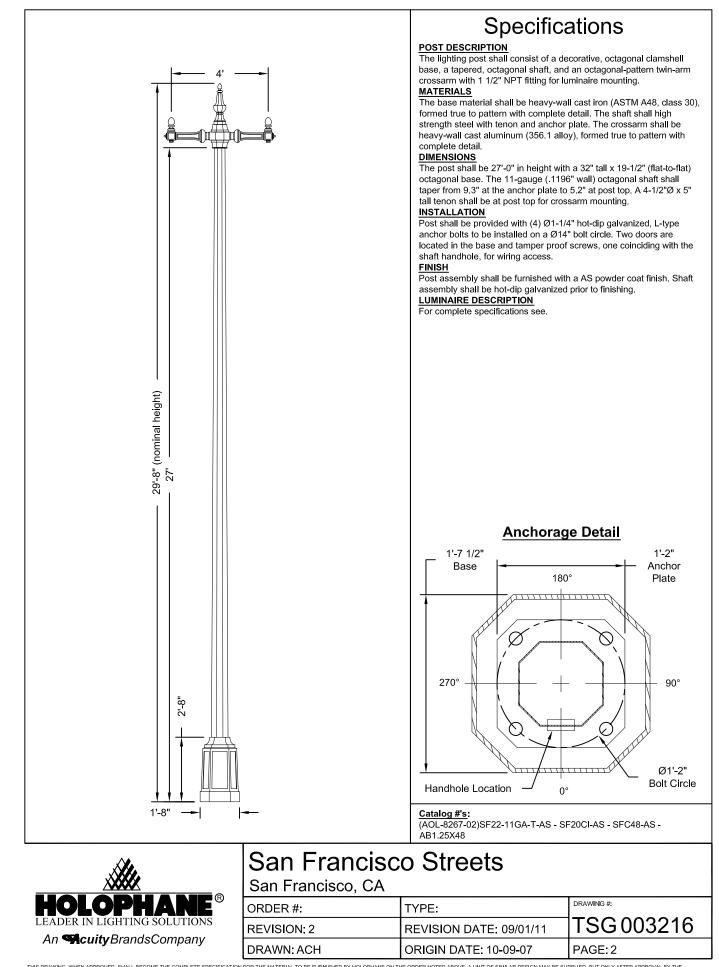
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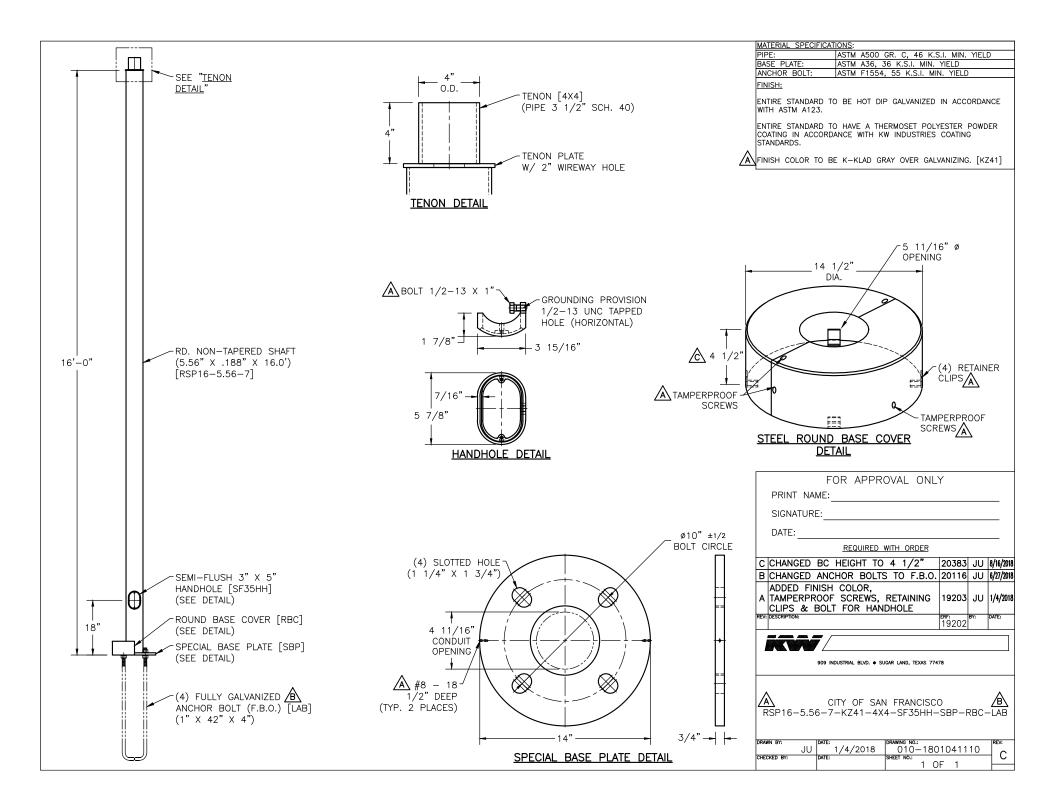
TITLE CITY & COUNTY OF SAN FRANCISCO DS36 POLES SINGLE OR DOUBLE LUMINAIRE LIGHTING STRUCTURES	VALMONT INDUSTRIES, INC. RESERVE THE RIGHT TO INSTALL VARIOUS, ENGINEER APPROVED, MATERIAL HANGI ACCOMMODATIONS TO FACILITATE THE MANUFACTURING PROCESS.
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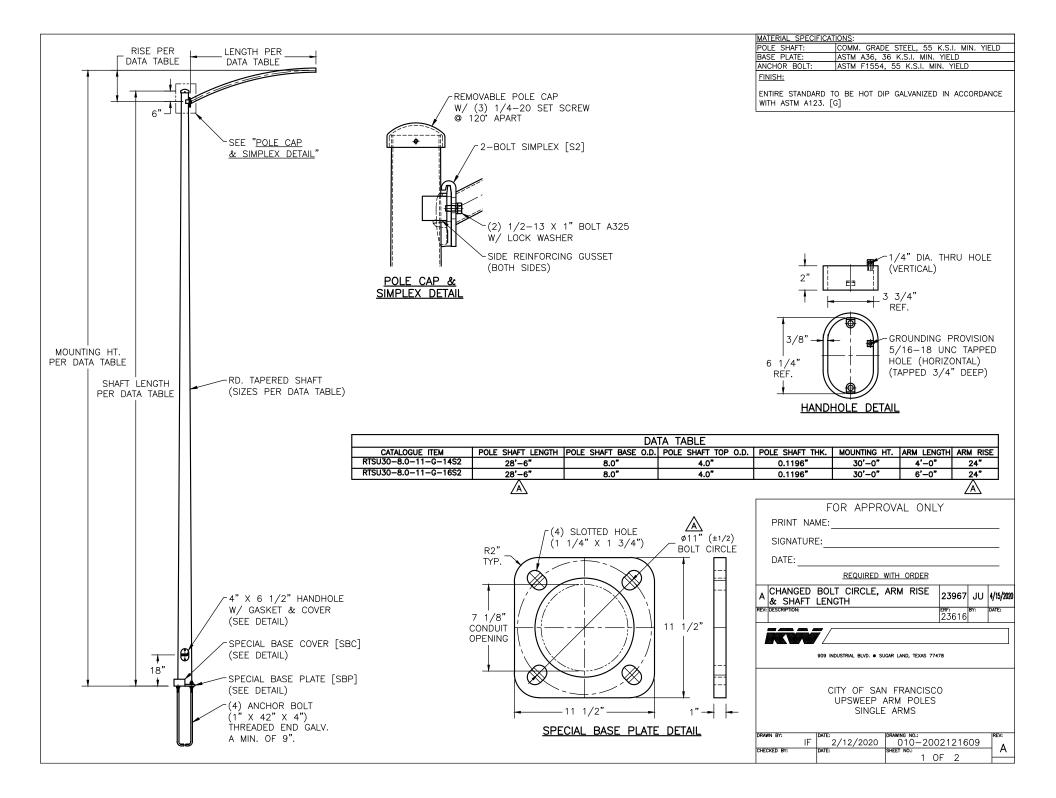


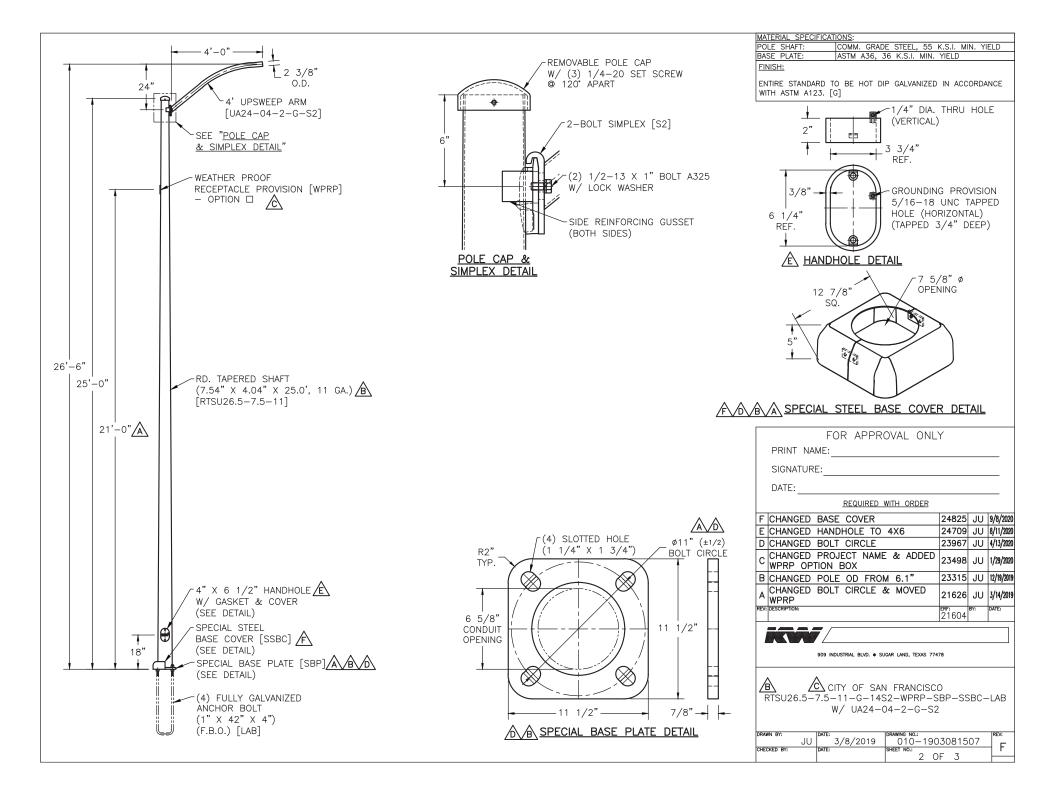
THIS DRAWING, WHEN APPROVED. SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE FURNISHED BY HOLOPHANE ON THE ORDER NOTED ABOVE. A UNIT OF SIMILAR DESIGN MAY BE SUPPLIED, BUT ONLY AFTER APPROVAL BY THE CUSTOMER IN WRITING. ON FOLE ORDERS AN ANCHOR BOLT TEMPLATE PRINT WILL BE SUPPLIED WITH EACH ANCHOR BOLT TORER TO MATCH THE POLE PROVIDED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND UPON EXPRESS CONDITION THAT IT WILL NOT BUSED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO ORIGINERTATION ONLY IN CONSECTION WITH MATERIAL FURNISHED BY HOLOPHANE.



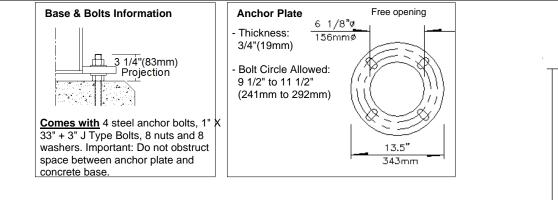
THIS DRAWING, WHEN APPROVED, SHALL BECOME THE COMPLETE SPECIFICATION FOR THE MATERIAL TO BE FURNISHED BY HOLOPHANE ON THE ORDER NOTED ABOVE. A UNIT OF SIMILAR DESIGN MAY BE SUPPLIED, BUT ONLY AFTER APPROVAL BY THE CUSTOMER IN WRITING, ON POLE ORDERS AN ANCHOR BOLT TEMPLATE PRINT WILL BE SUPPLIED WITH EACH ANACHOR BOLT ORDER TO MATCH THE POLE PROVIDED. THIS PRINT IS THE PROPERTY OF HOLOPHANE AND IS LOANED SUBJECT TO RETURN UPON DEMAND AND LOYD EXPRESS CONDITION THAT IT WILL NOT BUSED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS, AND ONLY IN CONNECTION WITH MATERIAL FURNISHED BY HOLOPHANE.



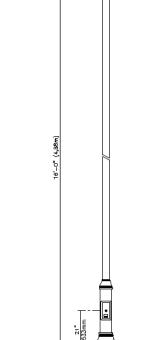




City of San Francisco - Lumec SMN 16' pole (fits 1 x 42 x 4 bolts, 10.5 -11.5 BC, inside paint)







16"#

Pole [SM6N-007]-16-BLN1-IP-BKTX

Qty

Description of Components:

Pole Shaft: Shall be made from a 4" (102mm) round high tensile carbon steel tubing, having a 0.188" (4.8mm) wall thickness, welded to the pole base.

Joint Cover: One-piece round joint cover made from cast 356 aluminum.

Pole Base: Shall be made from a 6 5/8" (168mm) round high tensile carbon steel tubing base having a 0.180" (4.6mm) wall thickness, welded to both the bottom and top of the anchor plate.

Maintenance Opening: The pole shall have a 4 1/2" x 10" (114mm x 254mm) maintenance opening centered 21" (533mm) from the bottom of the anchor plate, complete with a weatherproof embossed aluminum cover and a copper ground lug.

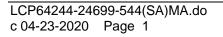
Base Cover: Two piece round base cover made from cast 356 aluminum, mechanically fastened with stainless steel screws.

Pole Options: (**BLN1**) Anchor plate accepting 1" (25mm) O.D. bolts. (IP) The pole inner wall will be painted.

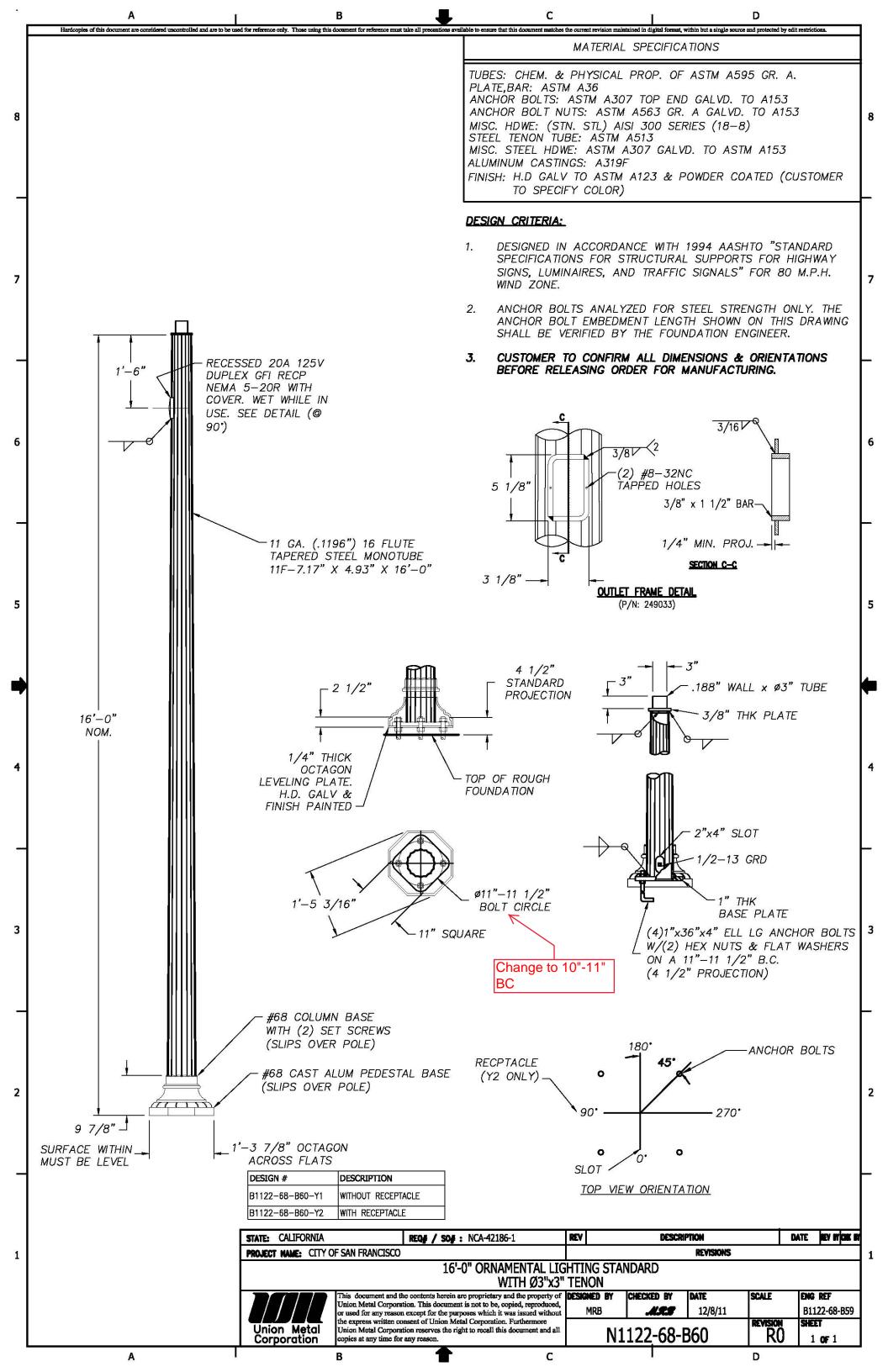
Note: A tenon will be provided when the luminaire or bracket does not fit directly on pole shaft. Tenon not shown on the drawing.

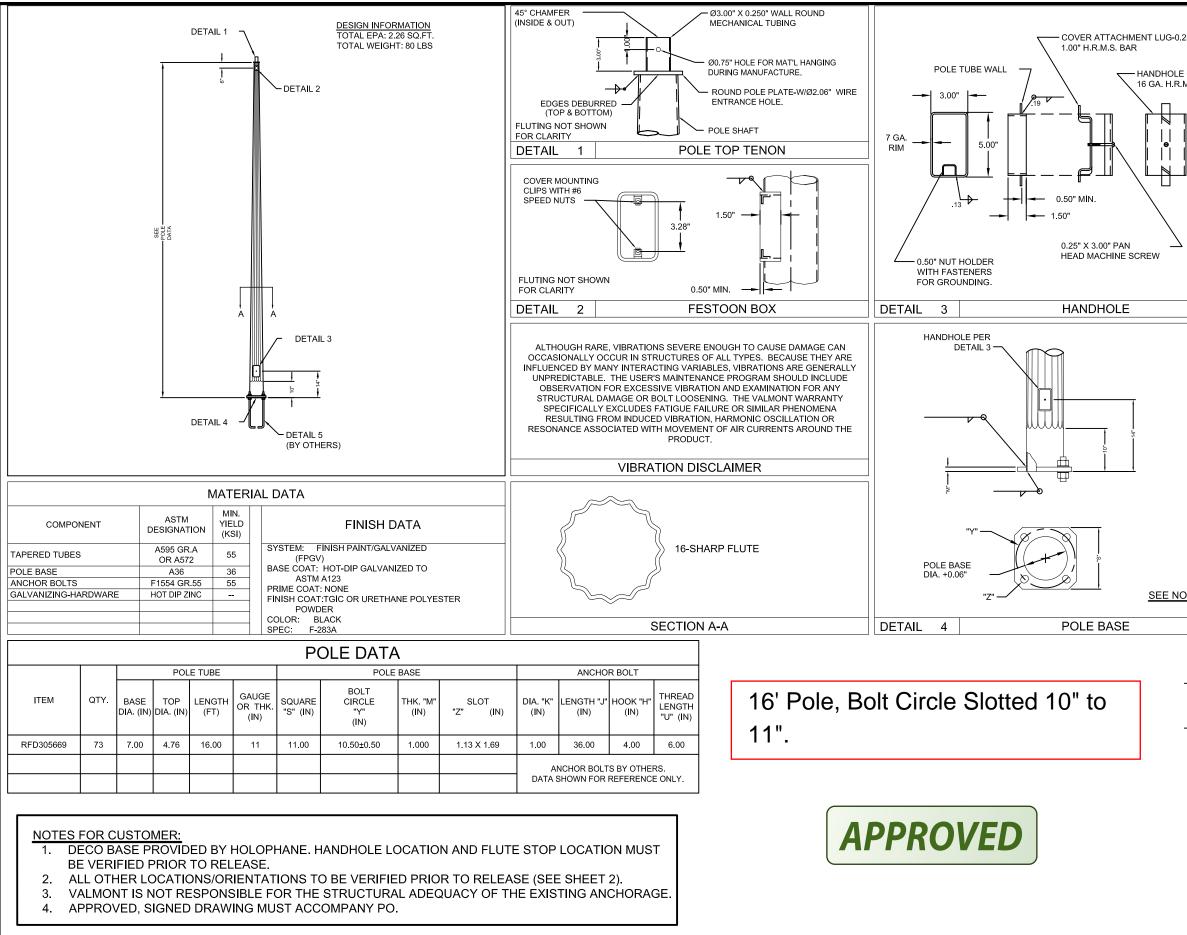
IMPORTANT: Lumec strongly recommends the installation of the complete lighting assembly with all of its accessories upon the anchoring of the pole. This will ensure that the structural integrity of the product is maintained throughout its lifetime.

Pole Weight: 130 lbs (59.1 kg)









REV	DRAWN BY-DATE	CHECK BY-DATE	DESCRIPTION				
_	TS8 06/11/19	AT7 06/11/19		AGENT:	PHIL HEINZ	ווון	ELIGHTING STRUCTURES
				P.O. #:	2165-19-11171-4 (DR19011, RFD305669)		SAN FRANCISCO, CA
				SHIP TO:	SAN FRANCISCO, CA		
				SOLD TO:	UPPER HAIGHT STREET	JOB	UPPER HAIGHT STREET

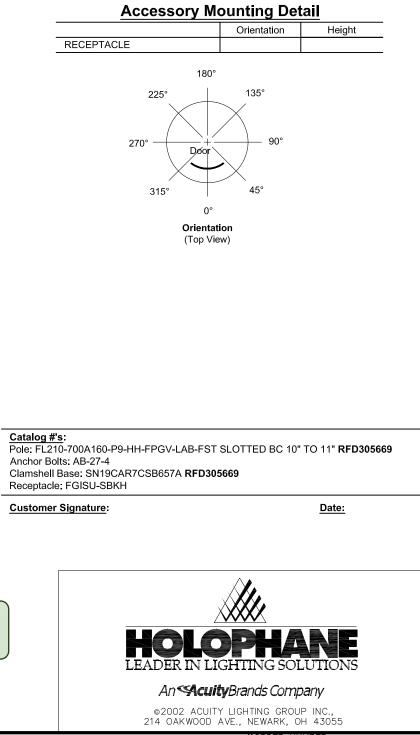
25" X COVER M.S.	(4)-ANCHOR BOLTS WITH (2) HEX NUTS AND (2) WASHERS PER BOLT WITH THREADED END GALVANIZED AT LEAST 12.00".
	ANCHOR BOLTS SUPPLIED BY OTHERS. DATA SHOWN FOR REFERENCE ONLY. DETAIL 5 ANCHOR BOLT
J	THE LIGHTING STRUCTURES SHOWN ON THIS DRAWING HAVE BEEN DESIGNED IN ACCORDANCE WITH THE LOADING AND THE ALLOWABLE STRESS REQUIREMENTS OF THE 2013 AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", SIXTH EDITION, LTS-6. THE WIND LOADS WERE CALCULATED FROM A BASIC WIND VELOCITY OF 100 MPH WITH A RECURRENCE INTERVAL OF 50 YEARS.
	PER THE CODE COMMON LIGHTING STRUCTURES ARE NOT REQUIRED TO BE ANALYZED FOR FATIGUE LOADS AS THEY HAVE NOT NORMALLY EXHIBITED FATIGUE PROBLEMS.
	AASHTO 2013 SPECIFICATIONS
	ALL ANGLES MEASURED CLOCKWISE FROM HAND- HOLE AS VIEWED FROM SMALL END OF POLE
	JANCHOR BOLT
	RADIAL INDEX
<u>DTE 1</u>	
Catalog # Pole: FL2 (See Shee	
<u>Custome</u>	r Signature: Date:
	HOLOPHANE LEADER IN LIGHTING SOLUTIONS
	An CuityBrands Company
	214 OAKWOOD AVE., NEWARK, OH 43055
	PAGE NUMBER: 1 OF 2 DRAWING NUMBER REV

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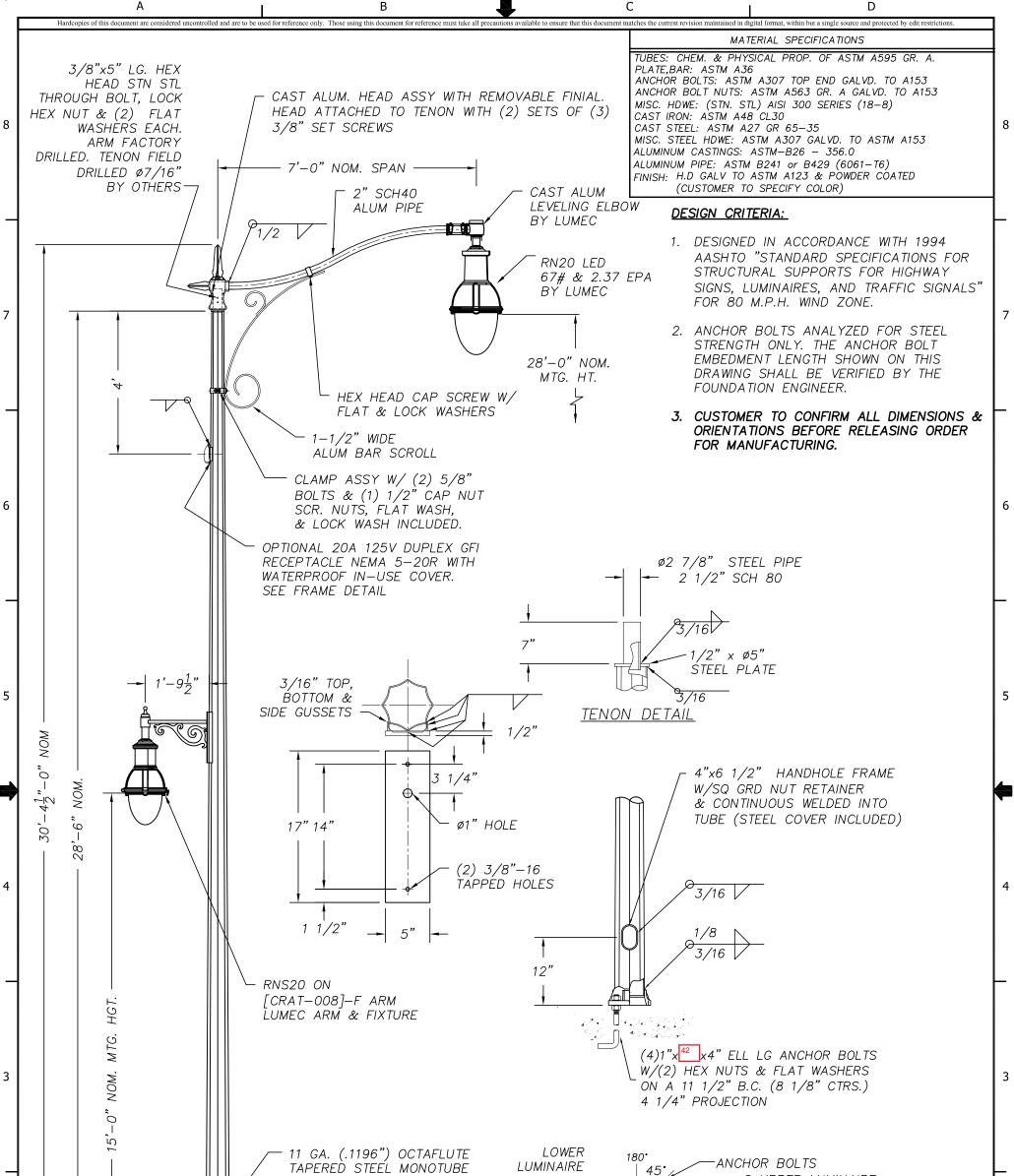
| -

NOTES FOR CUSTOMER: 1. DECO BASE PROVIDED BY HOLOPHANE. HANDHOLE LOCATION AN BE VERIFIED PRIOR TO RELEASE. 2. ALL OTHER LOCATIONS/ORIENTATIONS TO BE VERIFIED PRIOR TO 3. VALMONT IS NOT RESPONSIBLE FOR THE STRUCTURAL ADEQUAC 4. APPROVED, SIGNED DRAWING MUST ACCOMPANY PO.	RELEASE (SEE SHEET 2).	16'-5" (Nominal Height)		
 ALL OTHER LOCATIONS/ORIENTATIONS TO BE VERIFIED PRIOR TO VALMONT IS NOT RESPONSIBLE FOR THE STRUCTURAL ADEQUAC 	RELEASE (SEE SHEET 2). Y OF THE EXISTING ANCHORAGE.			AFFNOVED
			 →Ø19" →→	
	OLD TO: UPPER HAIGHT STREET		HT STREET	

				SOLD TO: UPPER HAIGHT STREET		
				SHIP TO: SAN FRANCISCO, CA		
				P.O. #: 2165-19-11171-4 (DR19011, RFD305669)	SAN FRANCISCO, CA	
	TS8 06/11/19	AT7 06/11/19		AGENT: PHIL HEINZ		
RE\	DRAWN BY-DATE	CHECK BY-DATE	DESCRIPTION			



ORDER							
PAGE 1							
DRAWING							
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2		11D-8.50" > CAST STEEL W/ CAST IR LEAF COVER	RON	-6" & - 90 HANDHOLE & DUPLEX			270·	₩ C UPPL	ER LUMINAI	RE			-	2
_	FOUNDATION SURFACE WITHIN MUST BE LEVEL	<u>1</u> ," SQ.	B70028–B91–Y1 B70028–B91–Y2	DESCRIPTION WITHOUT RECEPTACLE WITH RECEPTACLE									-	_
					[R1	3 1/4" ARM PLA	te dim. Was '	to top of plate		6/9/17	MB	MB	
		STATE: CALIFORNIA		req# / so# :	R	EV		DESCRI	PTION		DATE	REV BY	ж BY	
1		PROJECT NAME: DOLO		MPROVEMENT PROJECT, SAN FR					REVISIONS					1
		ORNAMENTAL LIGHTING STANDARD WITH 6'-0" ARM & PEDESTRIAN ARM OPTIONAL GFCI DUPLEX RECEPTACLE												
		This document and the contents herein are proprietary and the propert Union Metal Corporation. This document is not to be, copied, reproduc					IED BY CHE	CKED BY	DATE	SCALE	ENG		72	
		Union Metal Corporation Or used for any reason except for the purposes which it was issued with the express written consent of Union Metal Corporation. Furthermore Union Metal Corporation reserves the right to recall this document and copies at any time for any reason.						<u>мяя</u> 0 <u>28-</u> В	<u>11/14/16</u> 91	revision R1	SHEE	0028-B .T .OF 1	/3	
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