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ERNEST ATHAI	NAILOS, PE
DIRECTOR OF	SIGNALS AND ITS ENGIN
PETER D'AMIC	0

AUTHORIZED AND PREPARED BY:

NEERING

GHANSHYAM PATEL, PE

DIRECTOR OF ELECTRICAL INSPECTION UNIT

DIRECTOR OF STREET LIGHTING UNIT

AKMAL MIKHAIL
DEPUTY DIRECTOR OF STREET LIGHTING UNIT

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					DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11				
					INDEX				
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REVISION

AUTHORIZED AND PREPARED BY:

ERNEST ATHANAILOS, PE

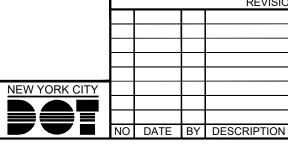
DIRECTOR OF SIGNALS AND ITS ENGINEERING

PETER D'AMICO
DIRECTOR OF ELECTRICAL INSPECTION UNIT

GHANSHYAM PATEL, PE DIRECTOR OF STREET LIGHTING UNIT

AKMAL MIKHAIL

DEPUTY DIRECTOR OF STREET LIGHTING UNIT



DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C., N.Y.11101

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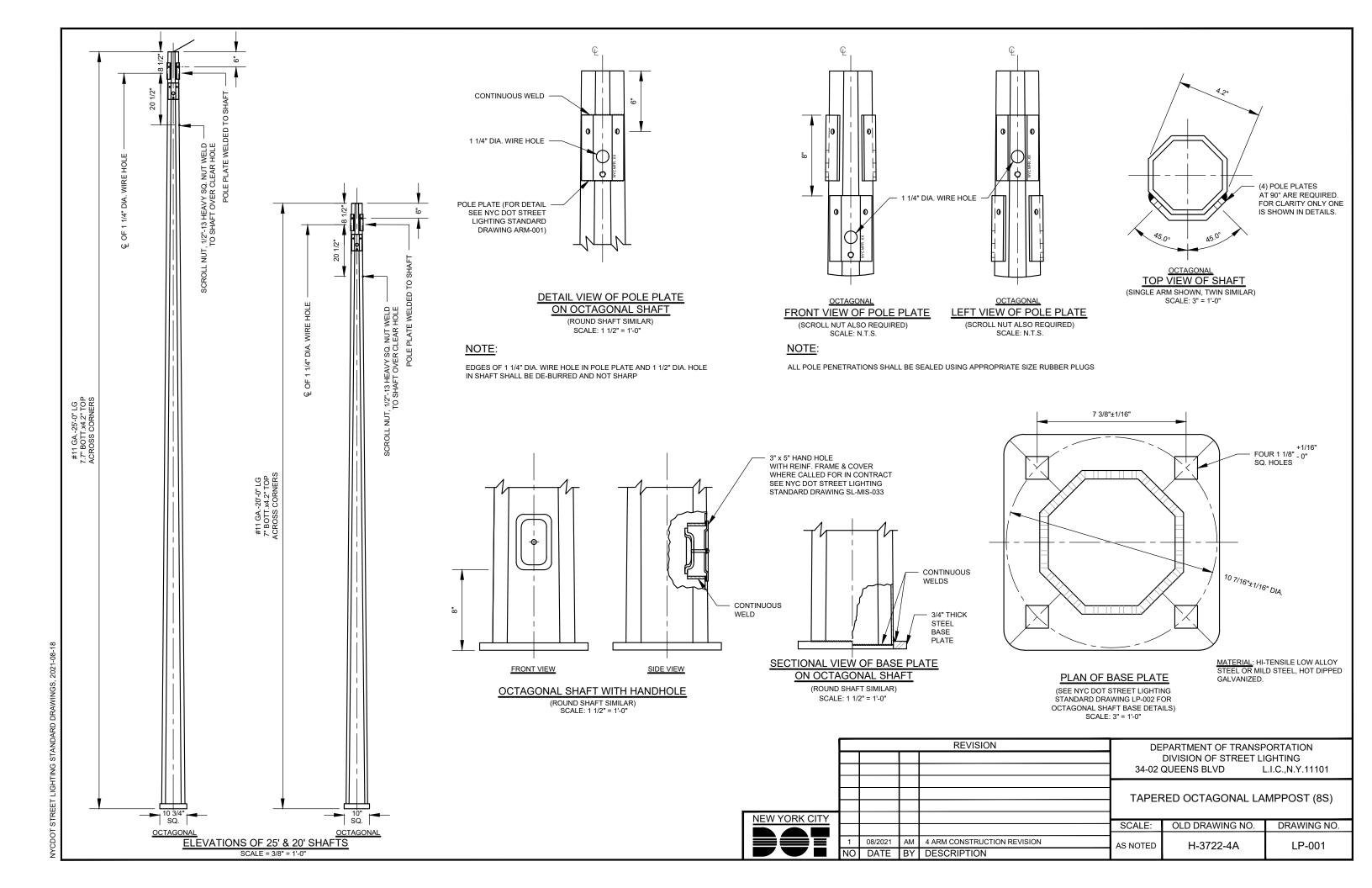
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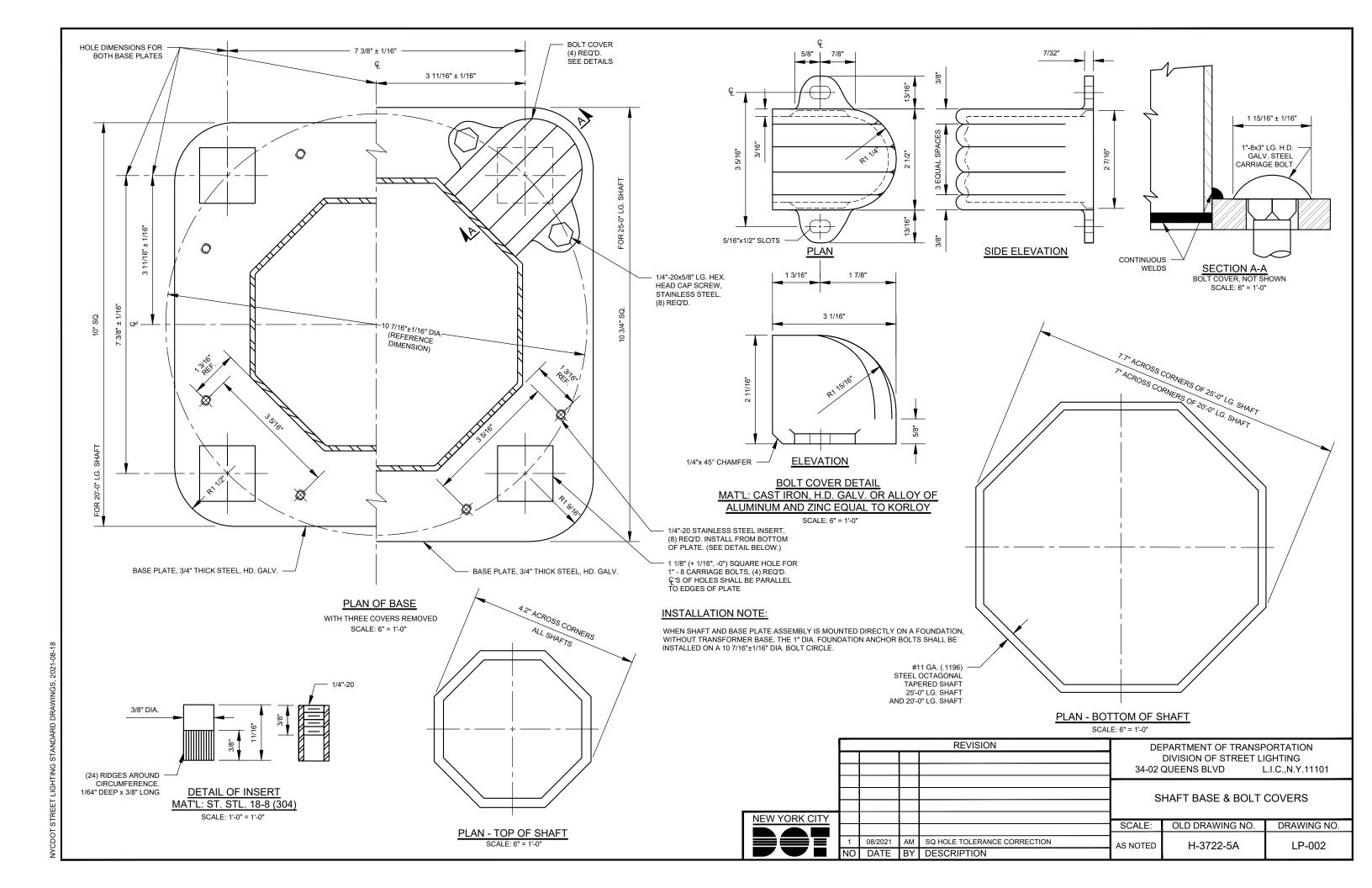
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					34-02 QUEENS BLVD L.I.C.,N.Y.1110			
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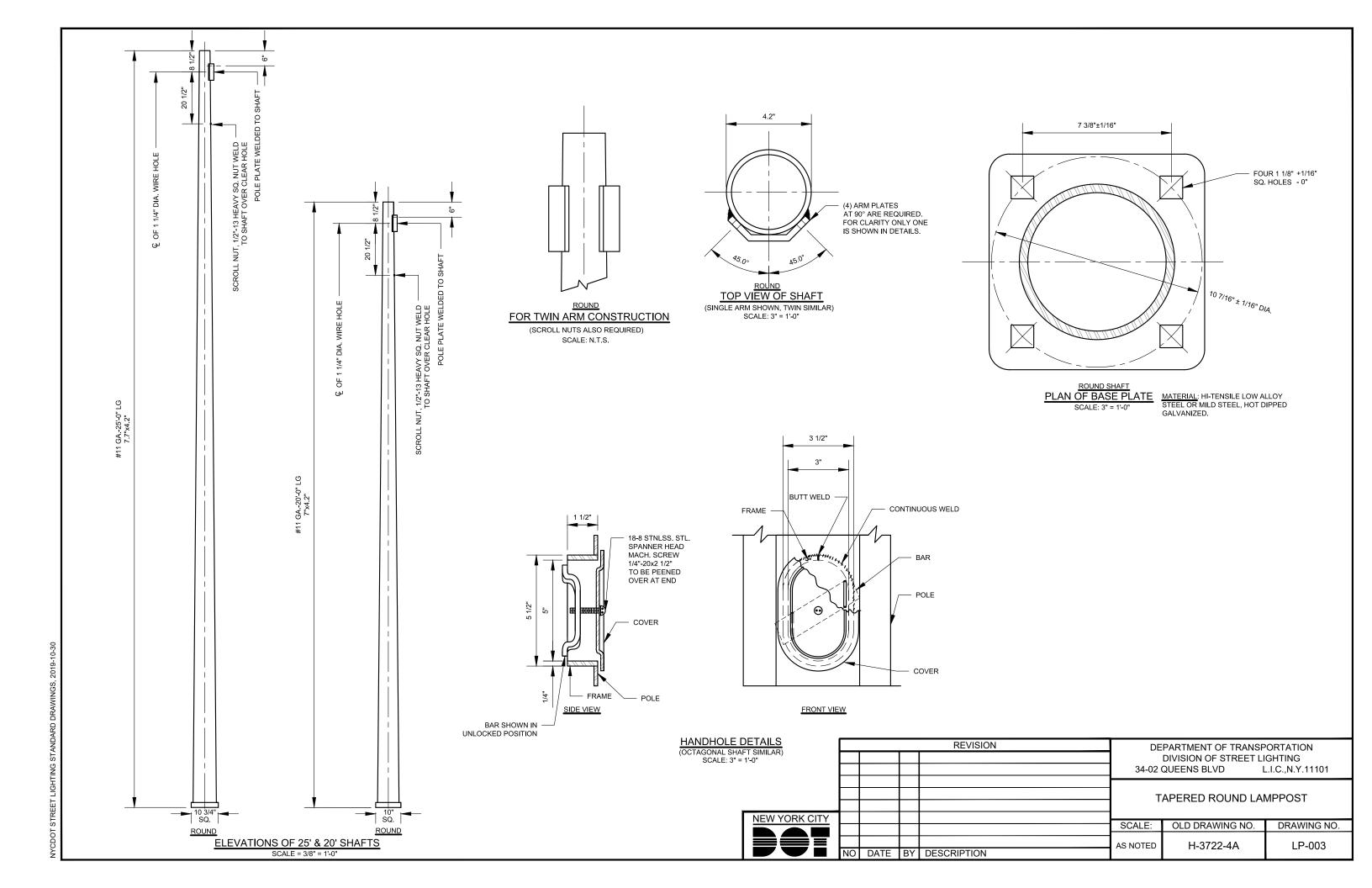
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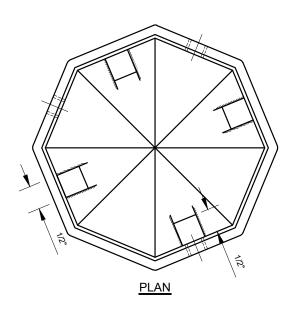
ERNEST ATHANAILOS, PE
DIRECTOR OF SIGNALS AND ITS ENGINEERING
PETER D'AMICO
DIRECTOR OF ELECTRICAL INSPECTION UNIT
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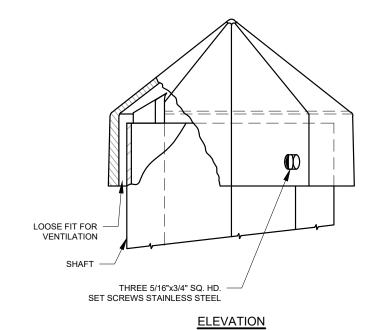
LAMPPOST DRAWINGS







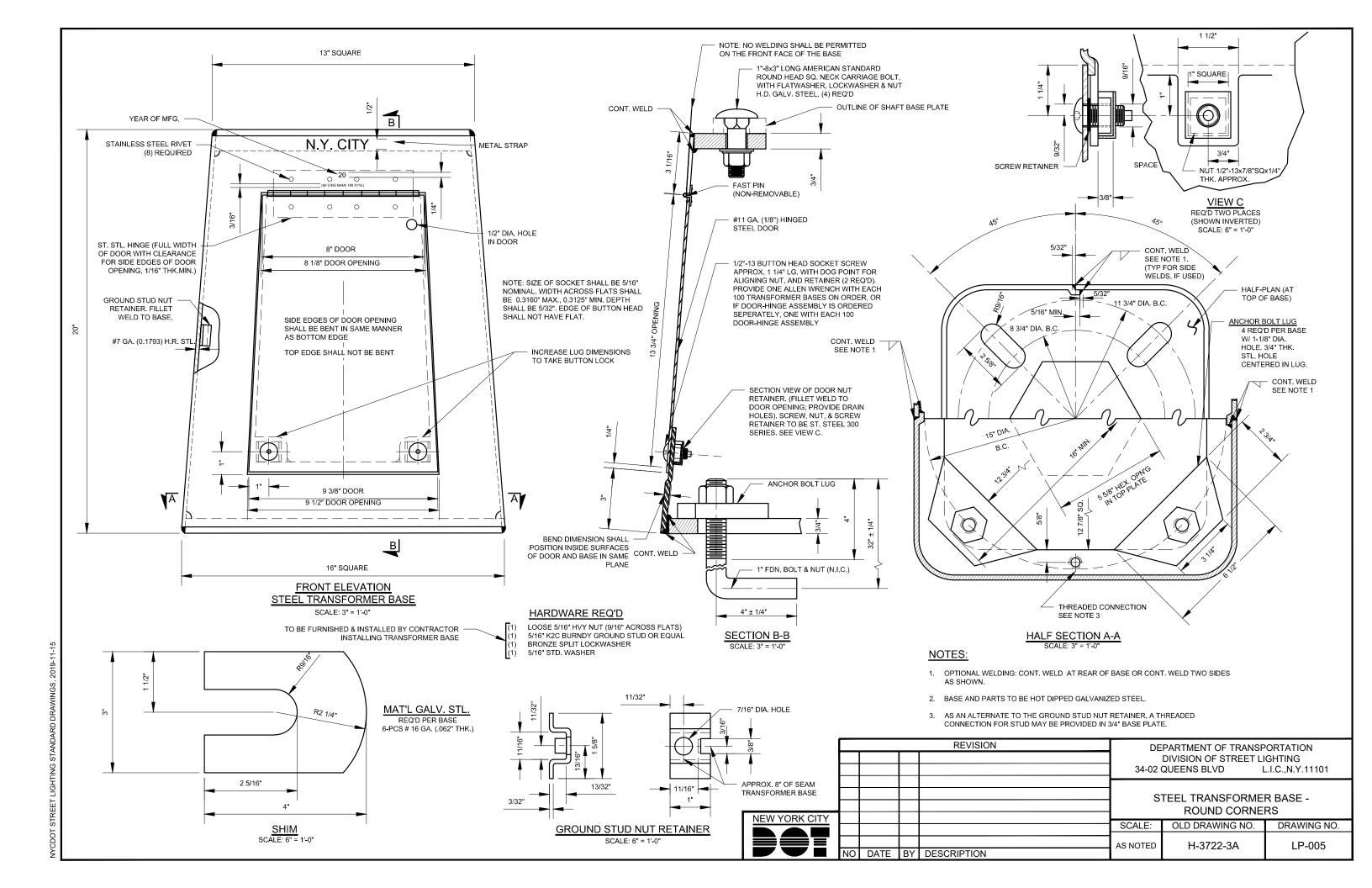


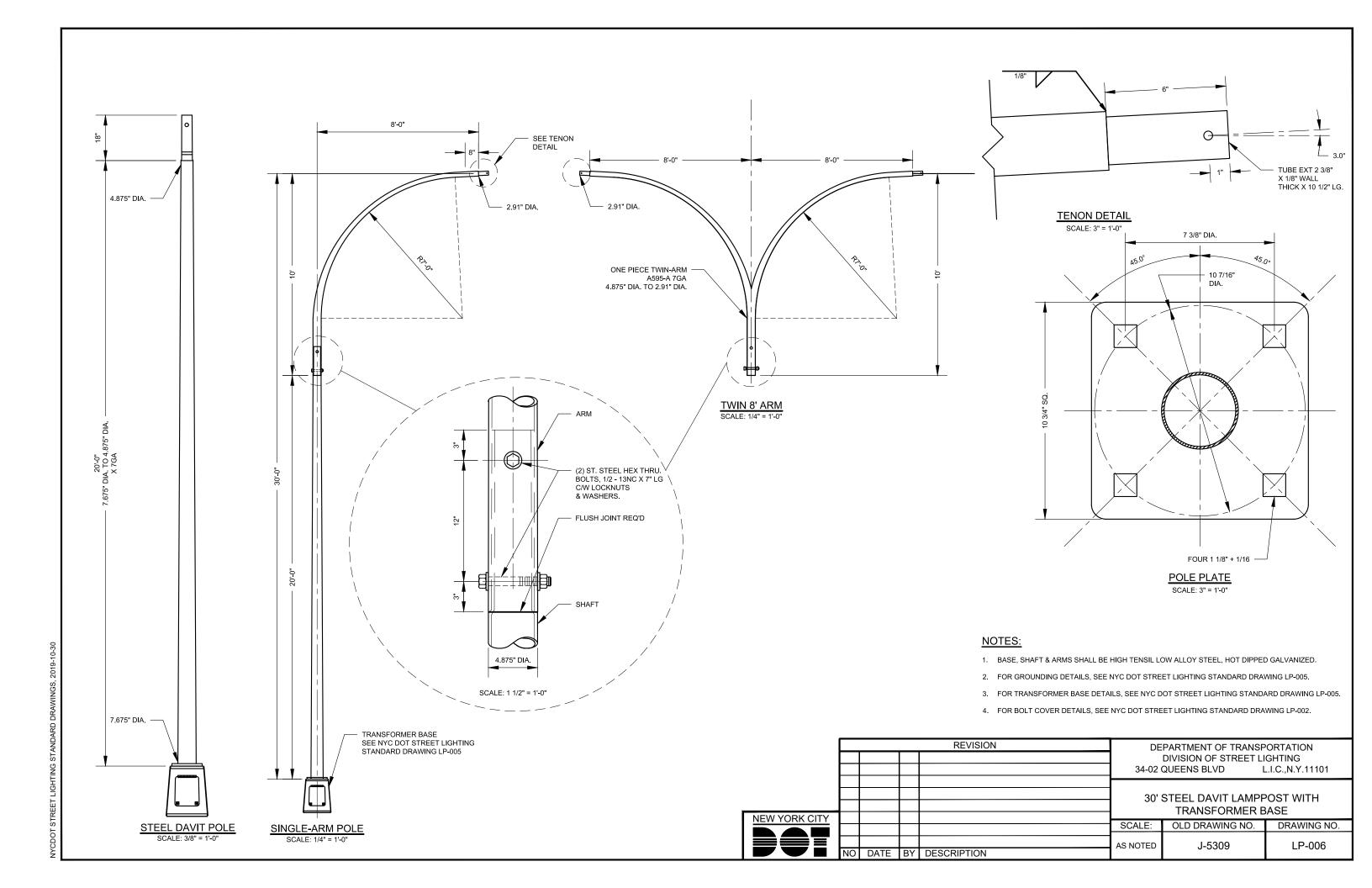


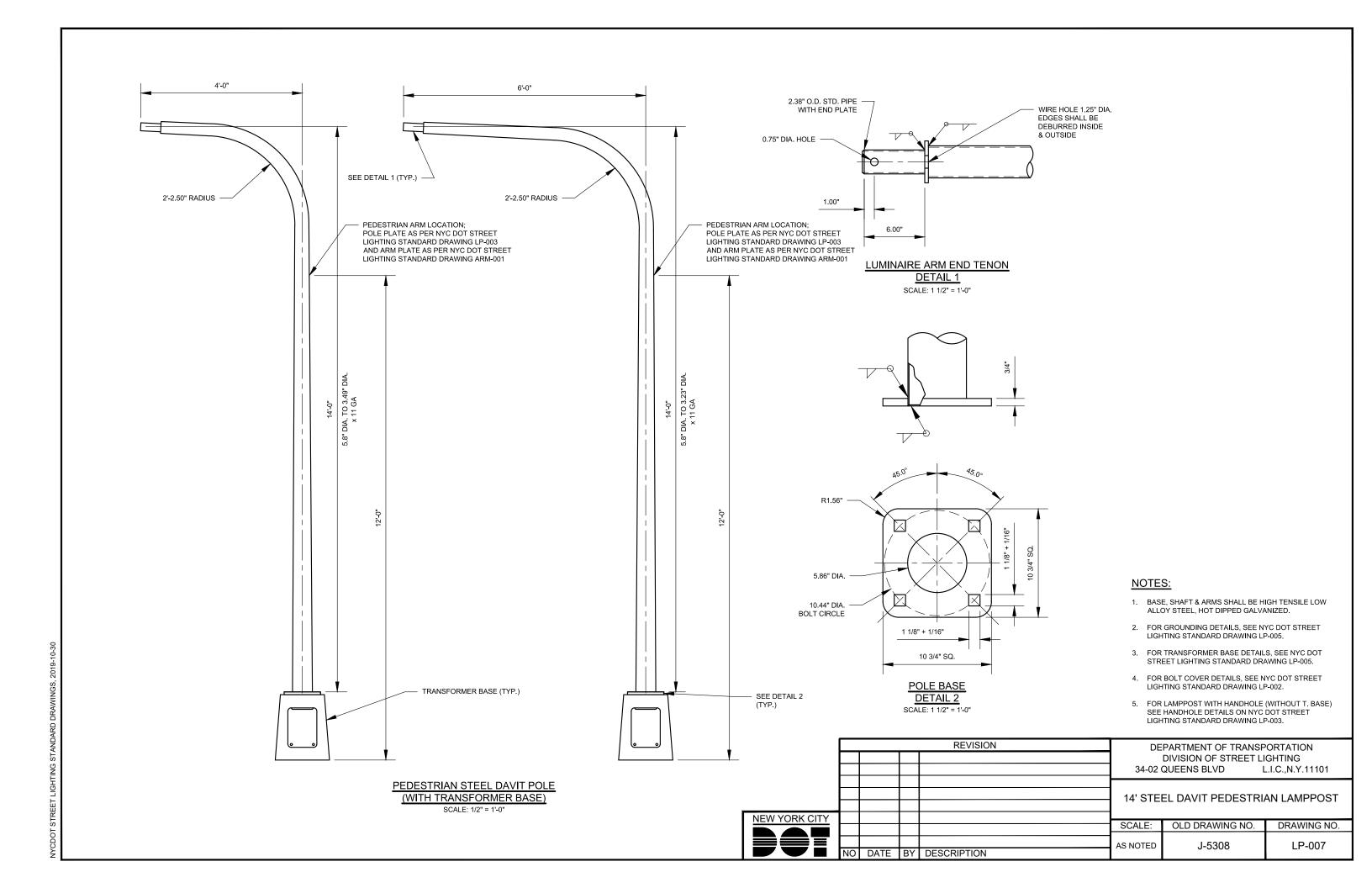
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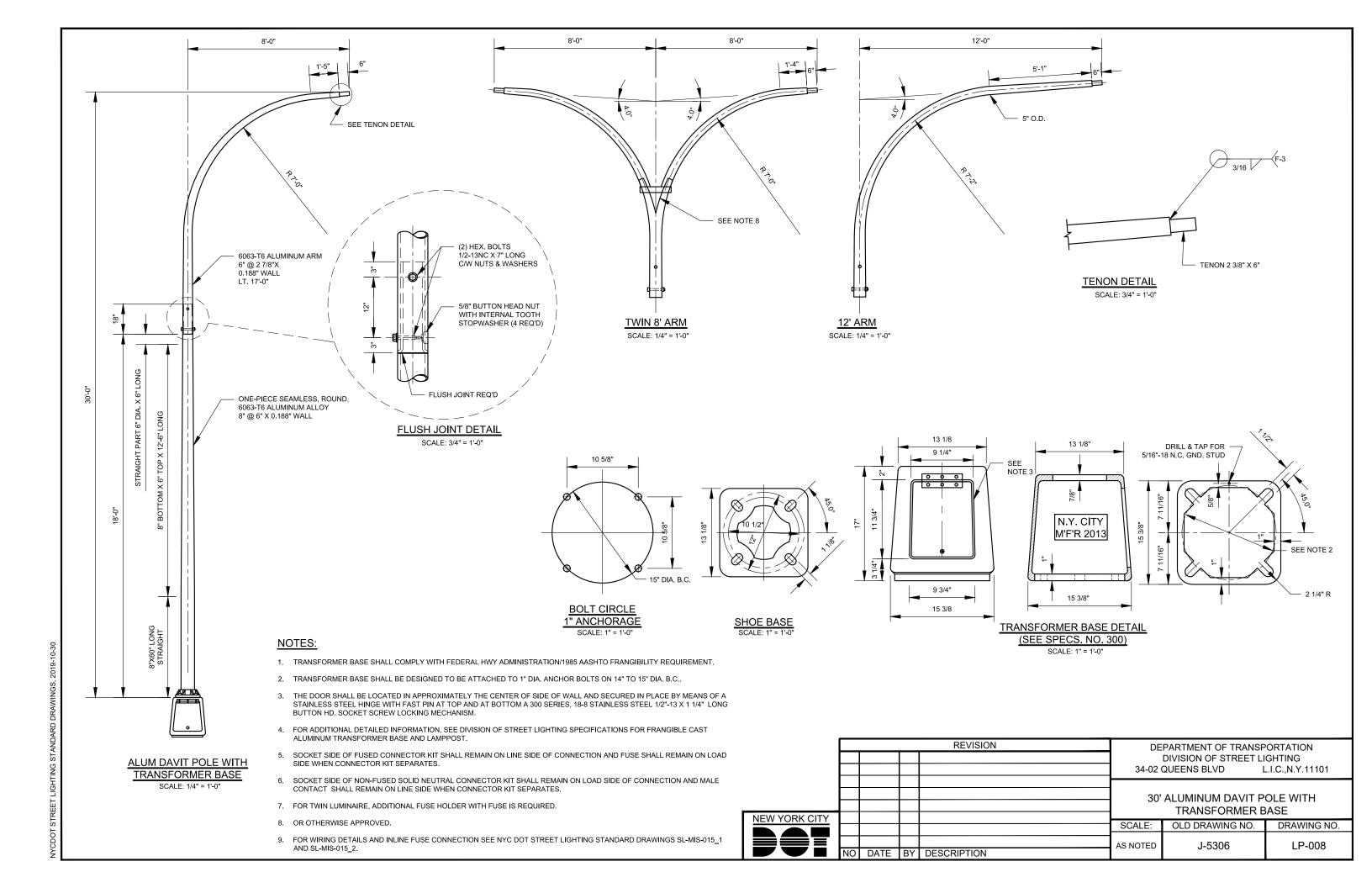
1. MATERIAL FOR POLE CAP SHALL BE HOT DIPPED GALVANIZED STEEL..

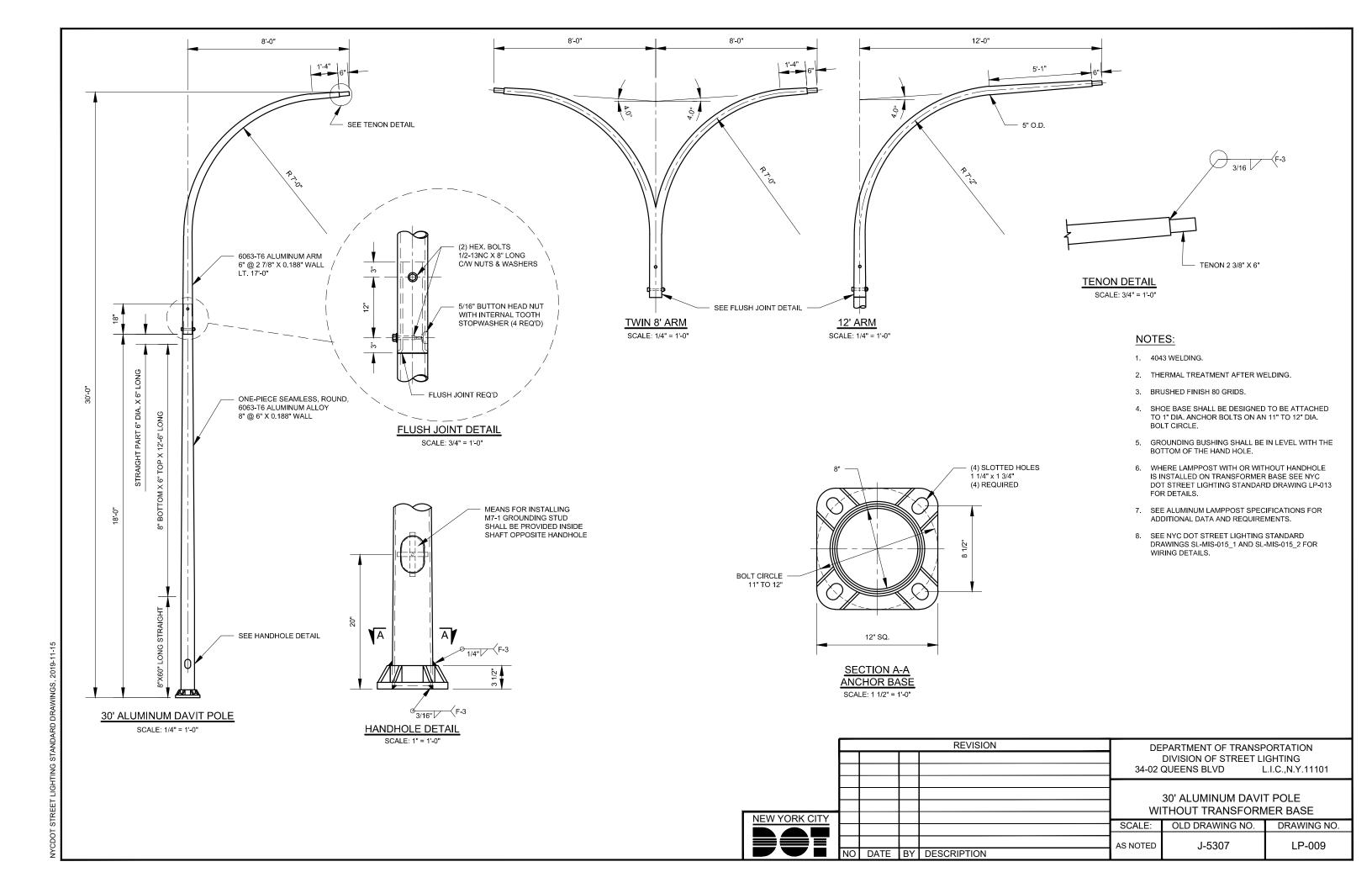
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						DIVISION OF STREET LI QUEENS BLVD L	GHTING l.C.,N.Y.11101	
						STEEL POLE CA	\ P	
EW YORK CITY								
	1	08/2022	АМ	NOTES	SCALE:	OLD DRAWING NO.	DRAWING NO.	
	0	11/2019	GPI	REDRAWN IN CAD	6" = 1'-0"	J-3722	LP-004	
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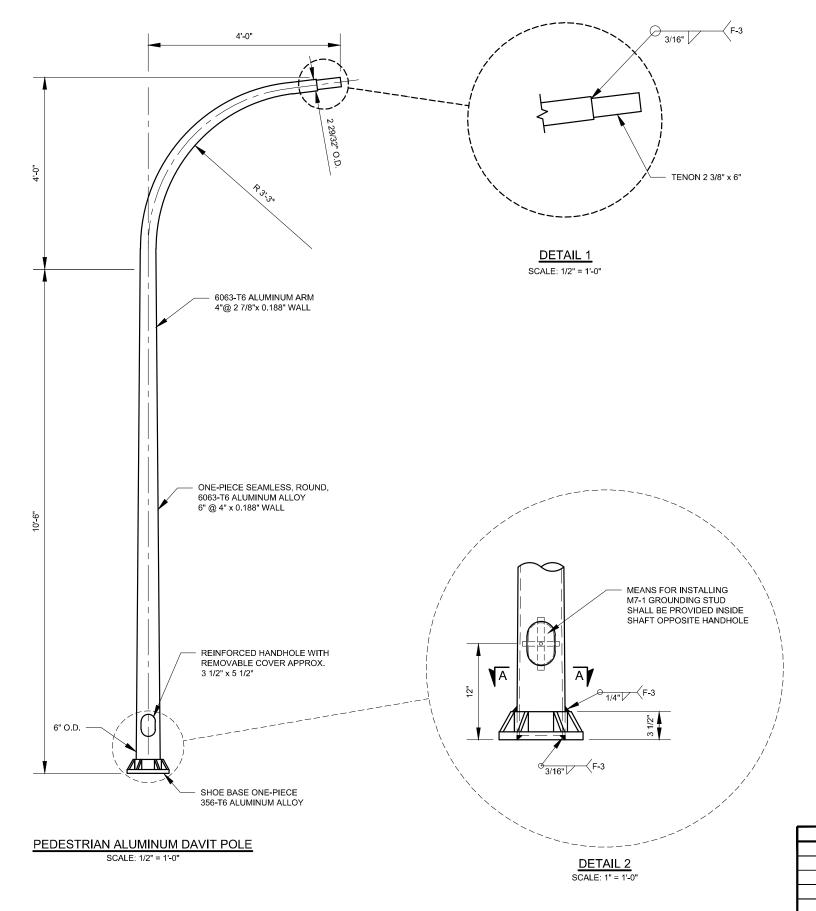


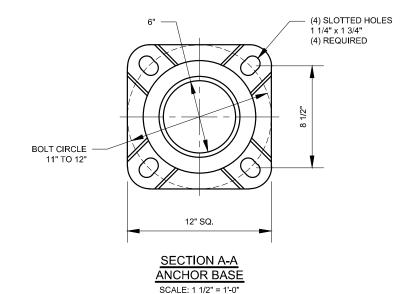












NOTES:

- 1. 4043 WELDING.
- 2. THERMAL TREATMENT AFTER WELDING.
- 3. BRUSHED FINISH 80 GRIDS.
- 4. SHOE BASE SHALL BE DESIGNED TO BE ATTACHED TO 1" DIA. ANCHOR BOLTS ON AN 11" TO 12" DIA. BOLT CIRCLE.
- 5. GROUNDING BUSHING SHALL BE IN LEVEL WITH THE BOTTOM OF THE HANDHOLE.
- 6. WHERE LAMPPOST WITH OR WITHOUT HANDHOLE IS INSTALLED ON TRANSFORMER BASE, SEE NYC DOT STREET LIGHTING STANDARD DRAWING LP-013 FOR DETAILS. SEE ALUMINUM LAMPPOST SPECIFICATIONS FOR ADDITIONAL DATA AND REQUIREMENTS.

REVISION

DEPARTMENT OF TRANSPORTATION
DIVISION OF STREET LIGHTING
34-02 QUEENS BLVD
L.I.C.,N.Y.11101

14' ALUMINUM DAVIT PEDESTRIAN LAMPPOST
(WITHOUT TRANSFORMER BASE)
SCALE: OLD DRAWING NO. DRAWING NO.
DATE BY DESCRIPTION

DEPARTMENT OF TRANSPORTATION

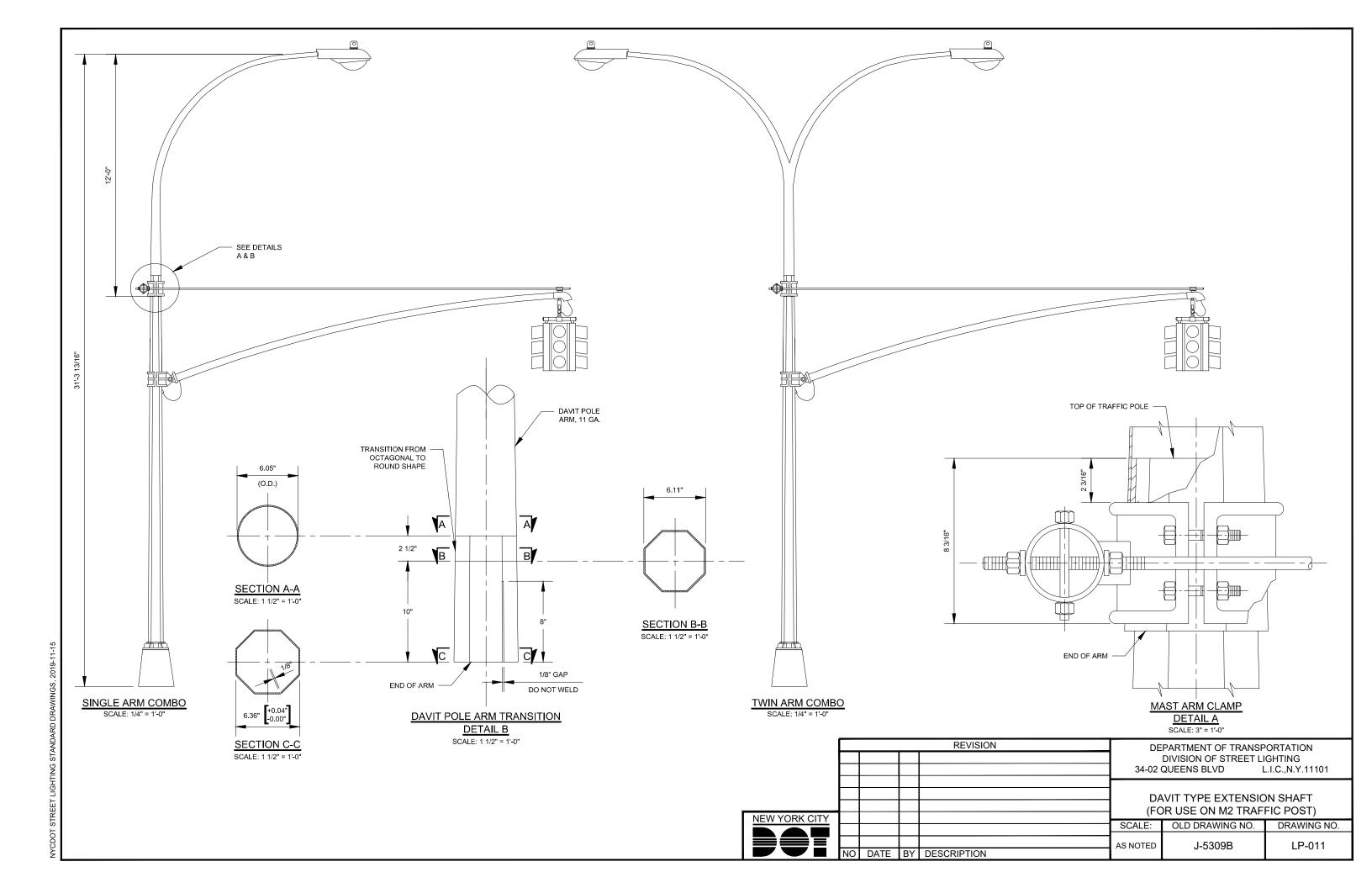
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34-02 QUEENS BLVD
L.I.C.,N.Y.11101

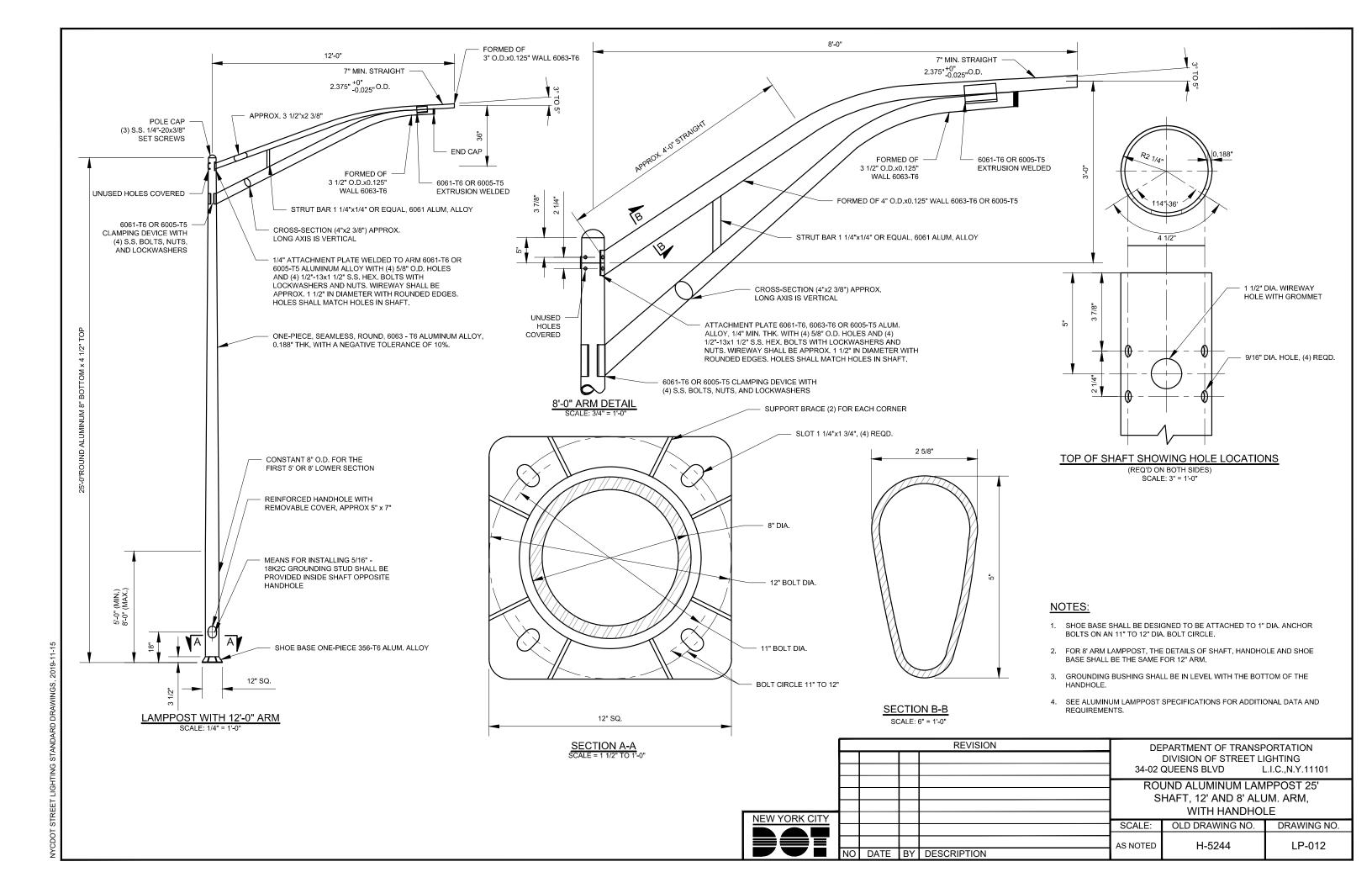
14' ALUMINUM DAVIT PEDESTRIAN LAMPPOST
(WITHOUT TRANSFORMER BASE)
SCALE: OLD DRAWING NO. DRAWING NO.

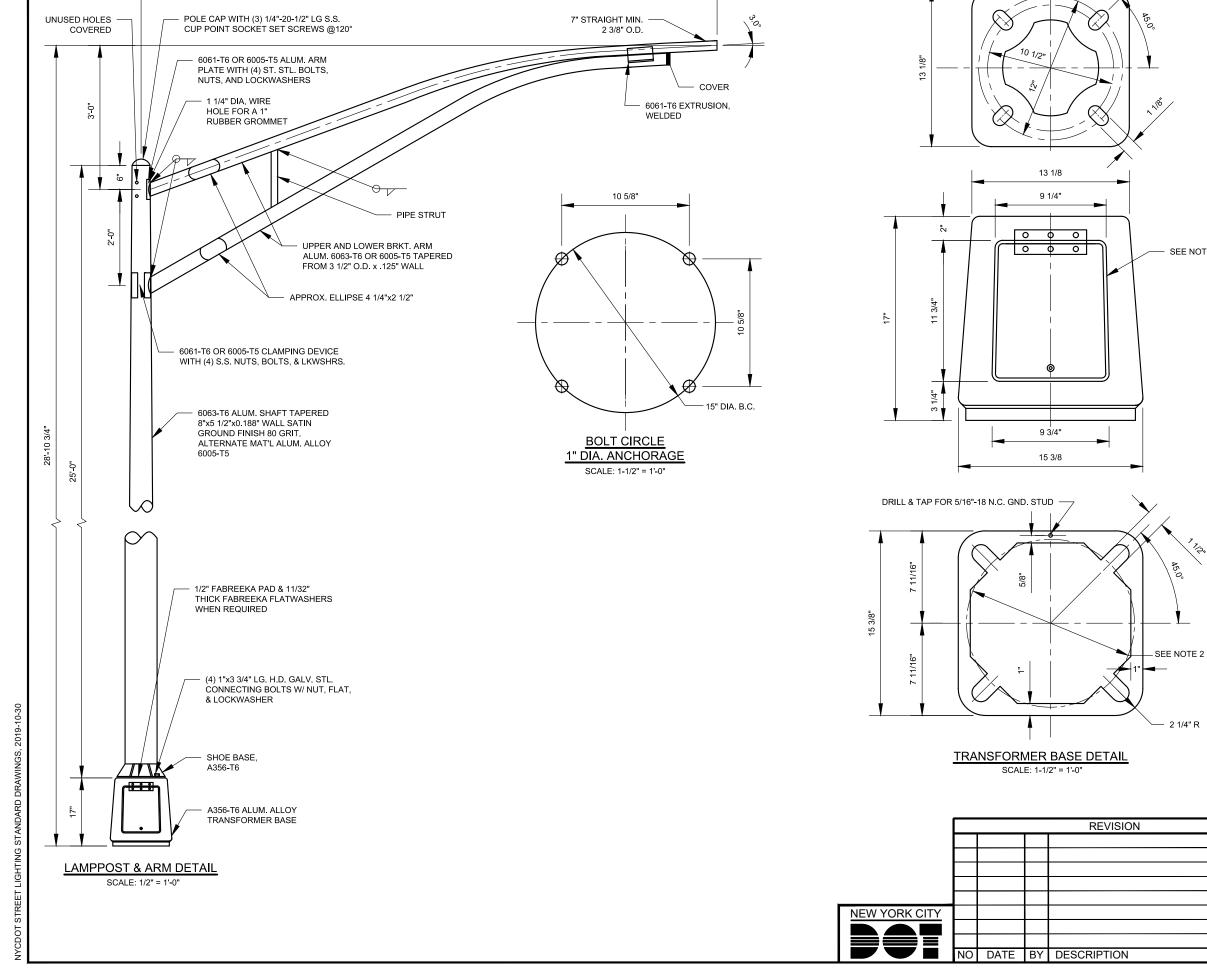
AS NOTED
J-5308
LP-010

NEW YORK CITY

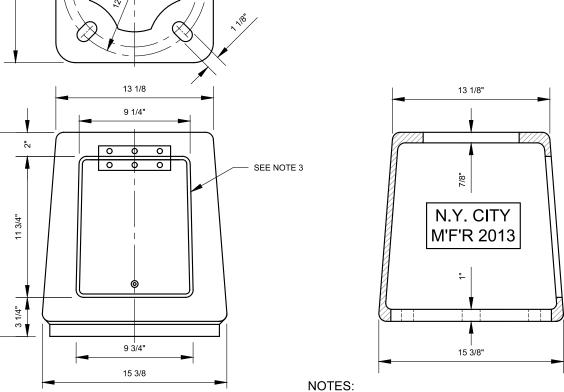
DOT STREET LIGHTING STANDARD DRAWINGS, 2019-11-14





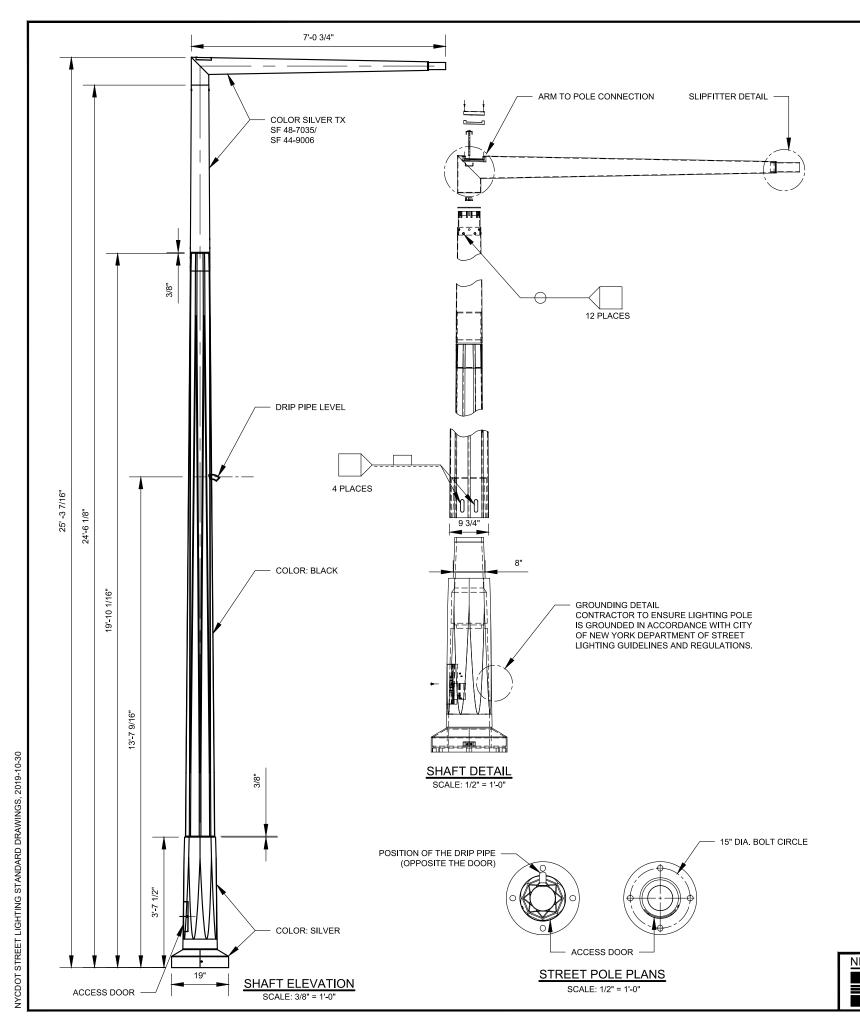


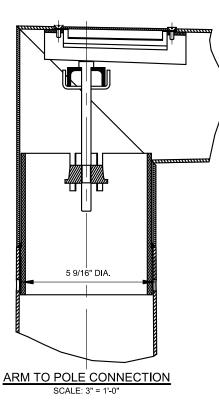
12'-0"



- 1. IN LINE FUSE HOLDER ELASTIMOLD CAT # 65U OR EQUAL WITH 15 AMP FUSE BUSS KTK OR EQUAL.
- 2. TRANS. BASE SHALL BE DESIGNED TO BE ATTACHED TO 1" DIA. ANCHOR BOLTS ON A 14" TO 15 1/2" DIA. BOLT CIRCLE.
- THE DOOR SHALL BE LOCATED IN APPROX. CENTER OF SIDE WALL AND SECURED IN PLACE BY MEANS OF A STAINLESS STEEL HINGE WITH FAST PIN AT TOP AND AT BOTTOM A 300 SERIES, 18-8 STAINLESS STEEL 1/2"-13x1 1/4" LG. BUTTON HD. SOCKET SCREW LOCKING MECHANISM.
- 4. TRANSFORMER BASE SHALL COMPLY WITH FEDERAL HIGHWAY ADMIN. FRANGIBILITY REQUIREMENT.
- 5. FOR ADDITIONAL DETAILED INFORMATION SEE NYC DOT STREET LIGHTING SPECIFICATIONS, FOR FRANGIBLE CAST ALUM. TRANS. BASE & LAMPPOST.
- 6. SOCKET SIDE OF FUSED CONNECTOR KIT SHALL REMAIN ON LINE SIDE OF CONNECTION AND FUSE SHALL REMAIN ON LOAD SIDE WHEN CONNECTOR
- 7. FEEDER SHALL BE TIED TO CONDUIT WITH TIE WIRE.
- FOR TWIN LUMINAIRE, ADDITIONAL FUSE HOLDER WITH FUSE IS REQUIRED.
- 9. SOCKET SIDE OF NON-FUSED SOLID NEUTRAL CONNECTOR KIT SHALL REMAIN ON LOAD SIDE OF CONNECTION AND MALE CONTACT SHALL REMAIN ON LINE SIDE WHEN CONNECTOR KIT SEPARATES.
- 10. FOR WIRING DETAILS SEE NYC DOT STREET LIGHTING STANDARD DRAWING SL-MIS-015_1.

				REVISION	DE	DEPARTMENT OF TRANSPORTATION		
					_	DIVISION OF STREET LI QUEENS BLVD L	GHTING l.C.,N.Y.11101	
					— ALUMINUM LIGHTING STANDARD — 25' SHAFT, 12' ARM AND TRANSFORMER BASE			
NEW YORK CITY					SCALE:	OLD DRAWING NO.	DRAWING NO.	
	NO	DATE	BY	DESCRIPTION	AS NOTED	J-5218	LP-013	





3/16 5 23/32" **SLIPFITTER DETAIL**

NOTES:

POLE:
THE POLE SHAFT IS A TAPERED STEEL, OR A TAPERED DUCTILE IRON UNIT, WHICH IS OCTAGONAL AT THE BASE AND TAPERS TO A ROUND SHAPE PER DRAWINGS. THE POLE SHALL HAVE NO LESS THAN 0.25" THICK WALLS AND SHALL MEET ALL NYCDOT SIGNALS CRITERIA FOR SUPPORTING OF 25 FT. TRAFFIC SIGNAL MAST ARMS.

BASE:
BASE AND COVER IS MADE OUT OF STEEL, ISO 450-10 SPHEROIDAL
GRAPHIC, OR DUCTILE IRON ASTM A536-84 GRADE 65-45-12. BASE SHALL BE MANUFACTURED IN (3) PIECES, HOWEVER THE BASE AND POLE SHALL BE FACTORY ASSEMBLED FOR ACCURATE ALIGNMENT. BASE COVER IS MADE AS TWO PIECE CONSTRUCTION AND ATTACHES TO BASE SHAFT FOR SMOOTH BASE-POLE TRANSITION.

<u>FOUNDATION:</u>
SHALL BE AS PER NYC DOT STREET LIGHTING STANDARD DRAWING FDN-003

BOLT CIRCLE: BOLT CIRCLE IS 15" C.C.

ANCHOR BOLTS: 4 GALVANIZED ANCHOR BOLTS 1" X 42" LONG.

DOOR COVER MADE OF STEEL, OR DUCTILE IRON, AND IT IS DESIGNED TO FIT 7"W X 10"H HAND HOLE. DOOR TO HAVE CONCEALED HINGES AND BE HELD SHUT BY CAPTIVE RECESSED TORX TYPE FASTENERS.

MOUNTING PLATE:
MOUNTING PLATE PROVISION TO ALLOW EASY TERMINAL BLOCK AND CIRCUIT BREAKER INSTALLATION.

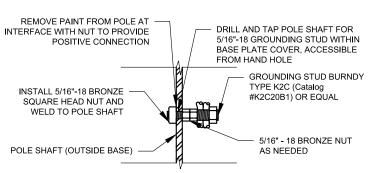
 $\frac{\textit{FINISH:}}{\textit{ELECTROSTATICALLY APPLIED THERMOSET POLYESTER POWDER-COAT WITH}$ XL4 FOUR PART CORROSION INHABITING PROCESS.

BASE: 2 COATS OF PPG ALK 300/201 LOW VOC ACRYLIC MODIFIED ALKYD ENAMEL - LG, TINTED TO PPG COLOR PCU 73101 SHAFT: 2 COATS OF PPG ALK 300/201 LOW VOC ACRYLIC MODIFIED ALKYD

ENAMEL - LG, BLACK, PPG COLOR PC 828

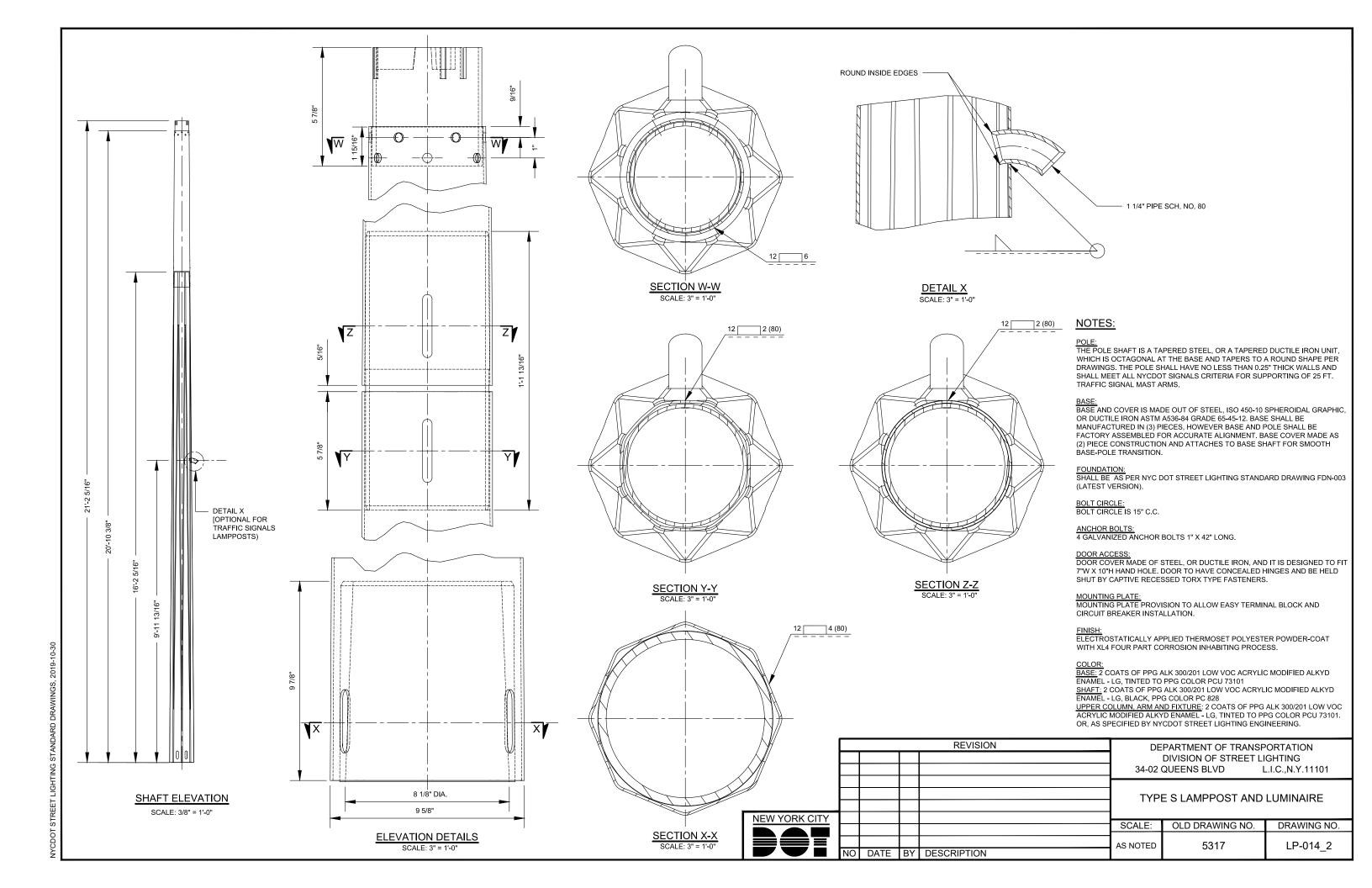
<u>UPPER COLUMN, ARM AND FIXTURE:</u> 2 COATS OF PPG ALK 300/201 LOW VOC

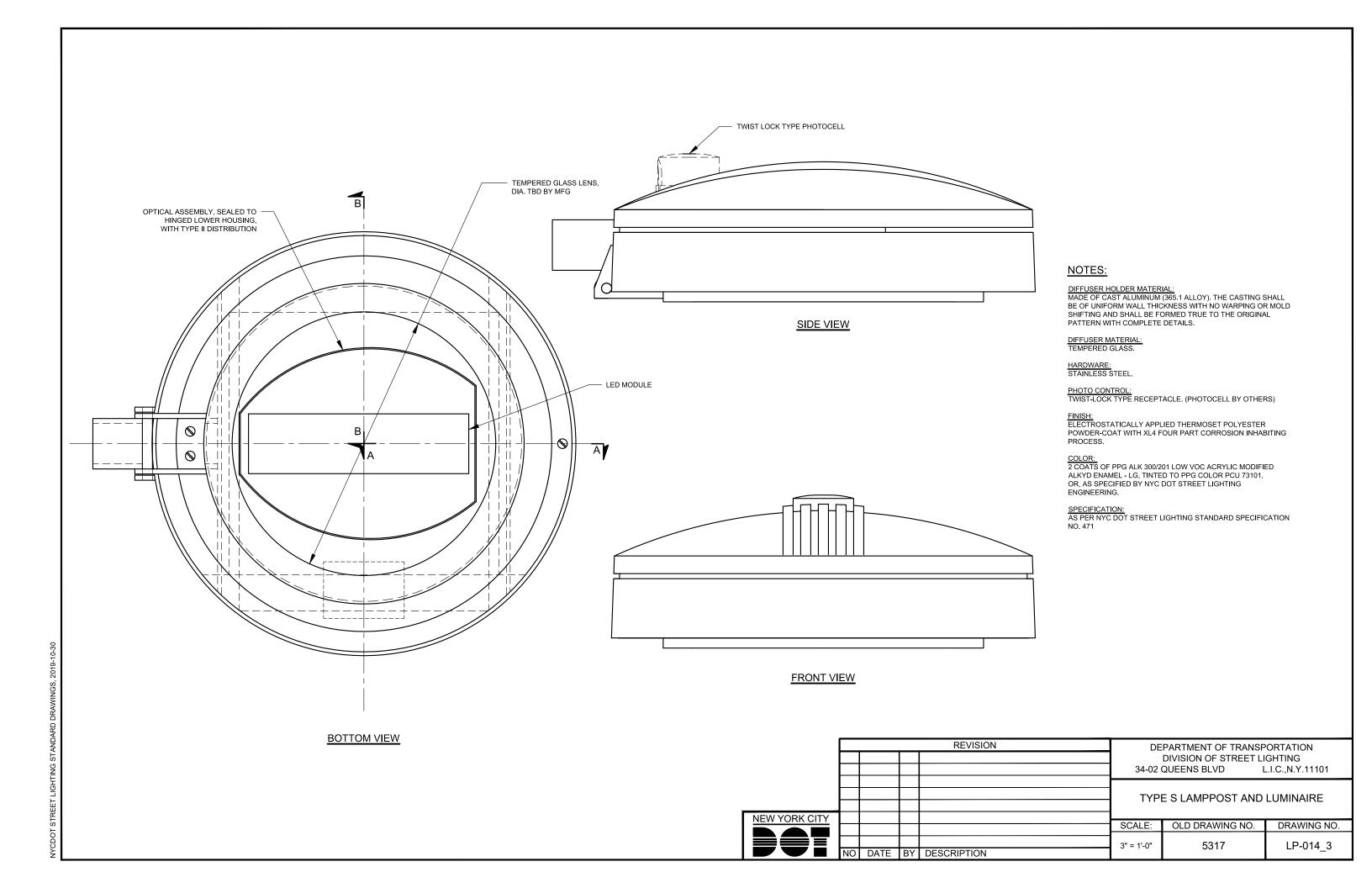
<u>ACRYLIC MODIFIED ALKYD ENAMEL - LG, TINTED TO PPG COLOR PCU 73101.</u> OR AS SPECIFIED BY NYCDOT STREET LIGHTING ENGINEERING.

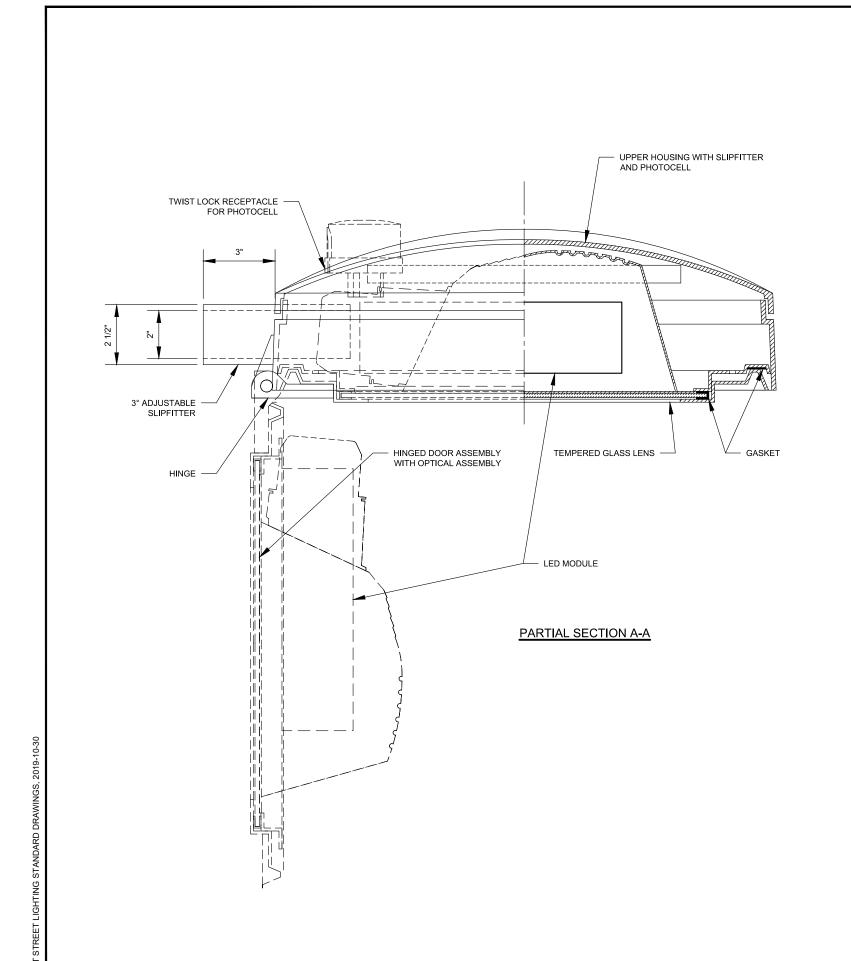


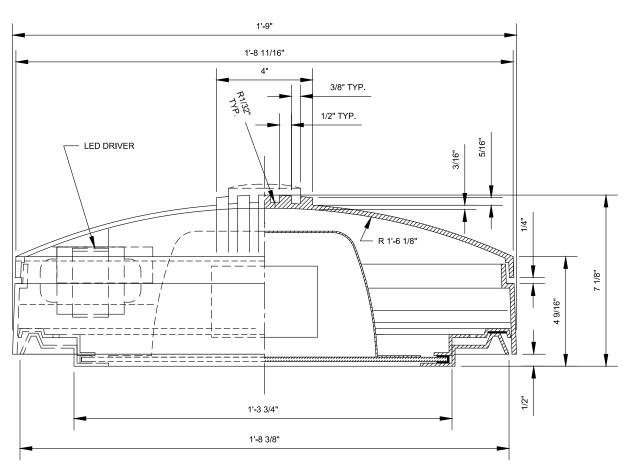
GROUNDING DETAIL

	REVISION				DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING		
					34-02	QUEENS BLVD L	I.C.,N.Y.11101
					TYPI	E S LAMPPOST AND	LUMINAIRE
NEW YORK CITY							
NEW TOTAL STATE					SCALE:	OLD DRAWING NO.	DRAWING NO.
					AS NOTED	5317	LP-014 1
	NO	DATE	BY	DESCRIPTION	7.0 1.0 1.25	0017	LI 011_1









PARTIAL SECTION B-B

NOTES:

DIFFUSER HOLDER MATERIAL:
MADE OF CAST ALUMINUM (365.1 ALLOY). THE CASTING
SHALL BE OF UNIFORM WALL THICKNESS WITH NO WARPING OR MOLD
SHIFTING AND SHALL BE FORMED TRUE TO THE ORIGINAL PATTERN
WITH COMPLETE DETAILS.

DIFFUSER MATERIAL: TEMPERED GLASS.

HARDWARE: STAINLESS STEEL.

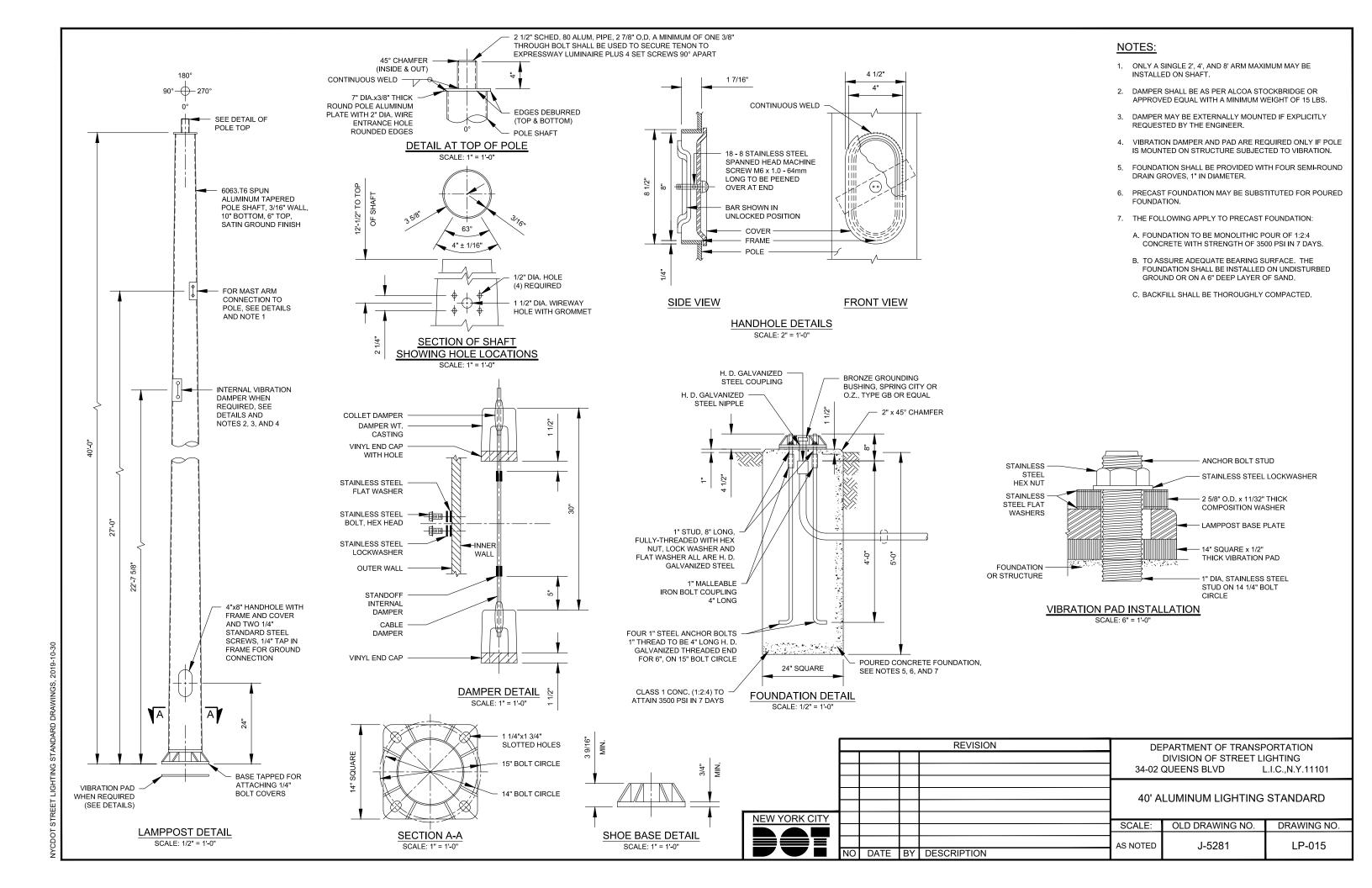
SPECIFICATIONS: AS PER NYC DOT STREET LIGHTING STANDARDS NO. 471

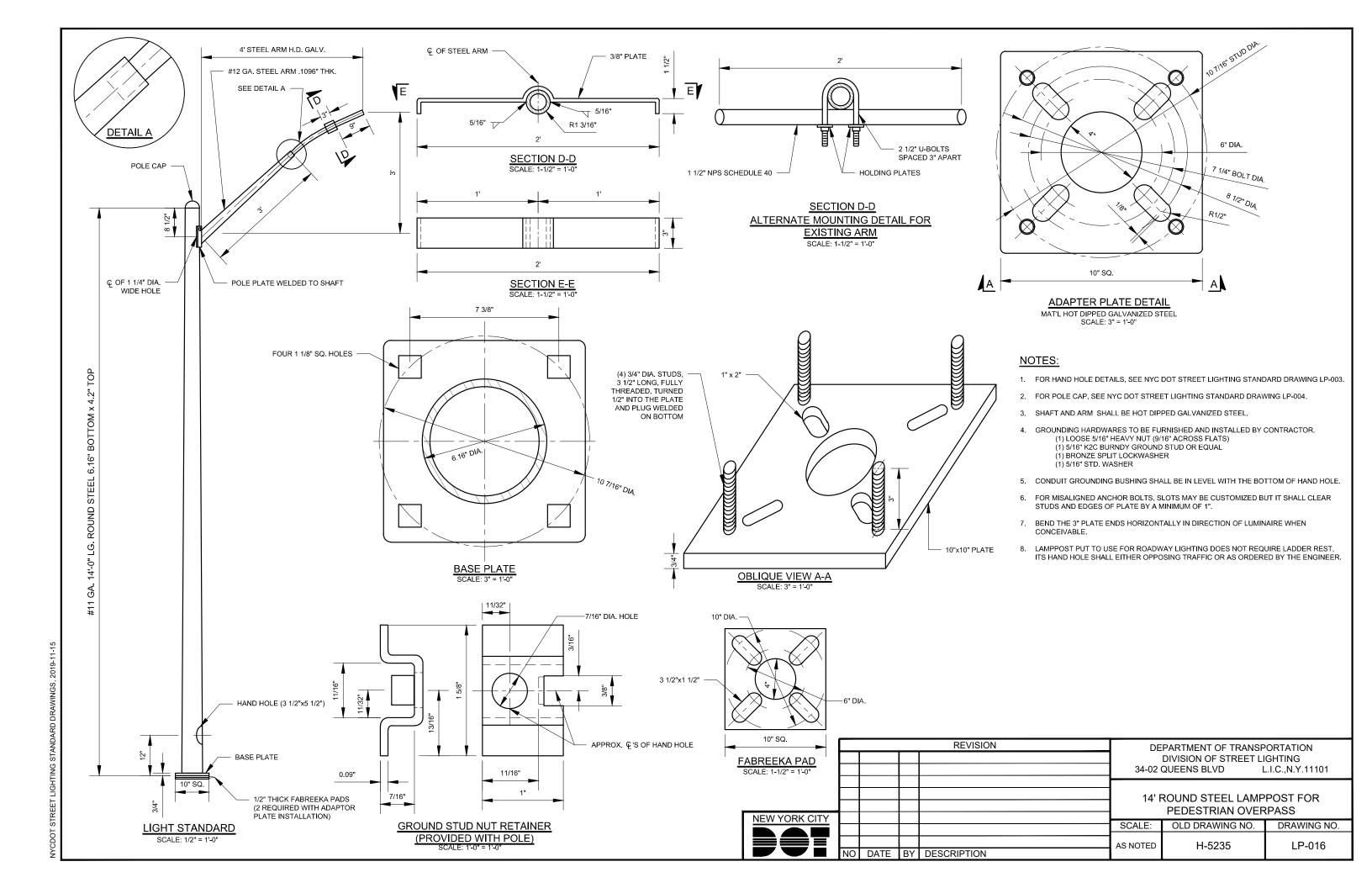
FINISH:
ELECTROSTATICALLY APPLIED THERMOSET POLYESTER POWDER-COAT WITH XL4 FOUR PART CORROSION INHABITING PROCESS.

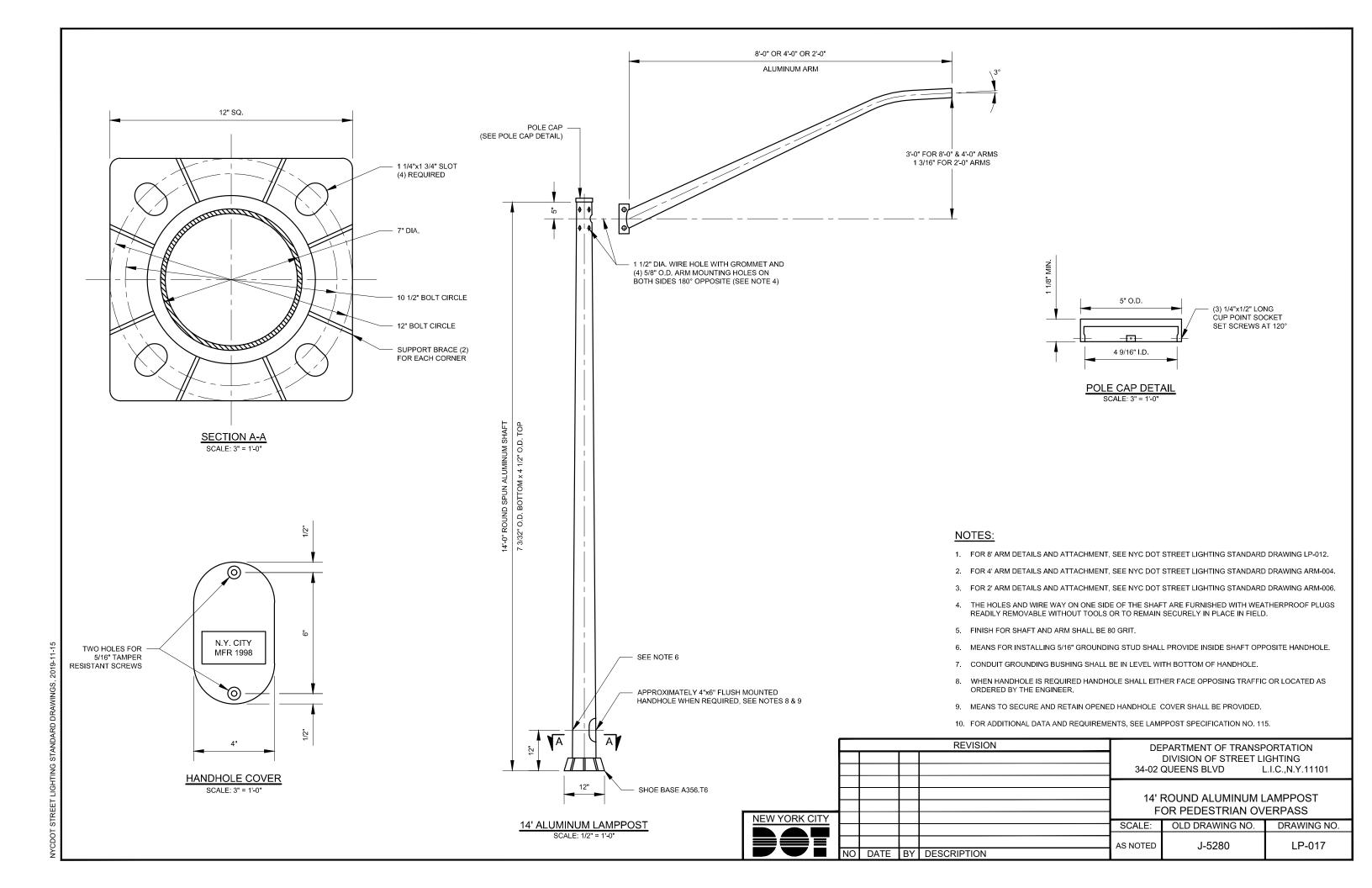
COLOR:

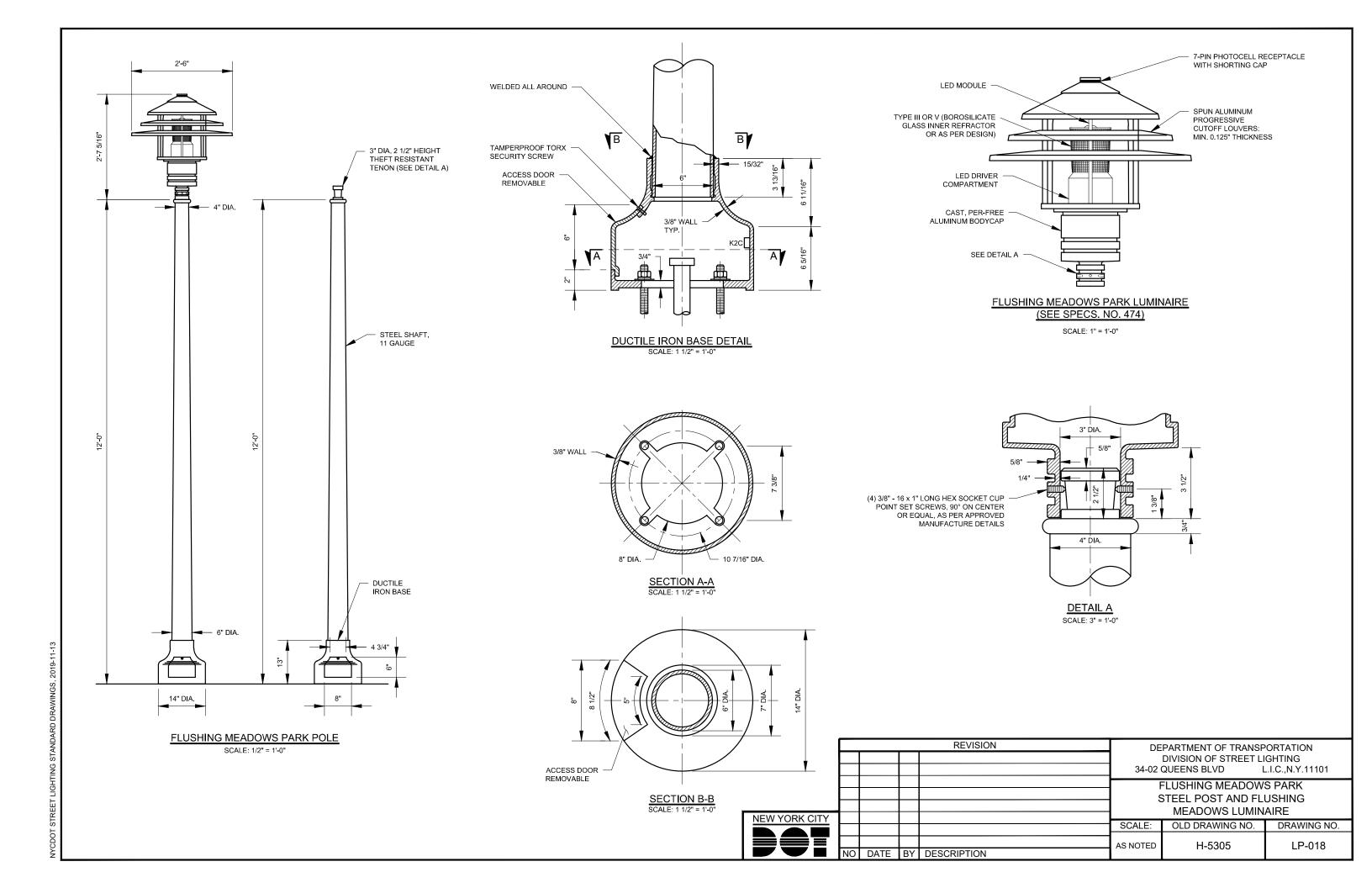
2 COATS OF PPG ALK 300/201 LOW VOC ACRYLIC MODIFIED
ALKYD ENAMEL - LG, TINTED TO PPG COLOR PCU 73101
OR, AS SPECIFIED BY NYC DOT STREET LIGHTING ENGINEERING.

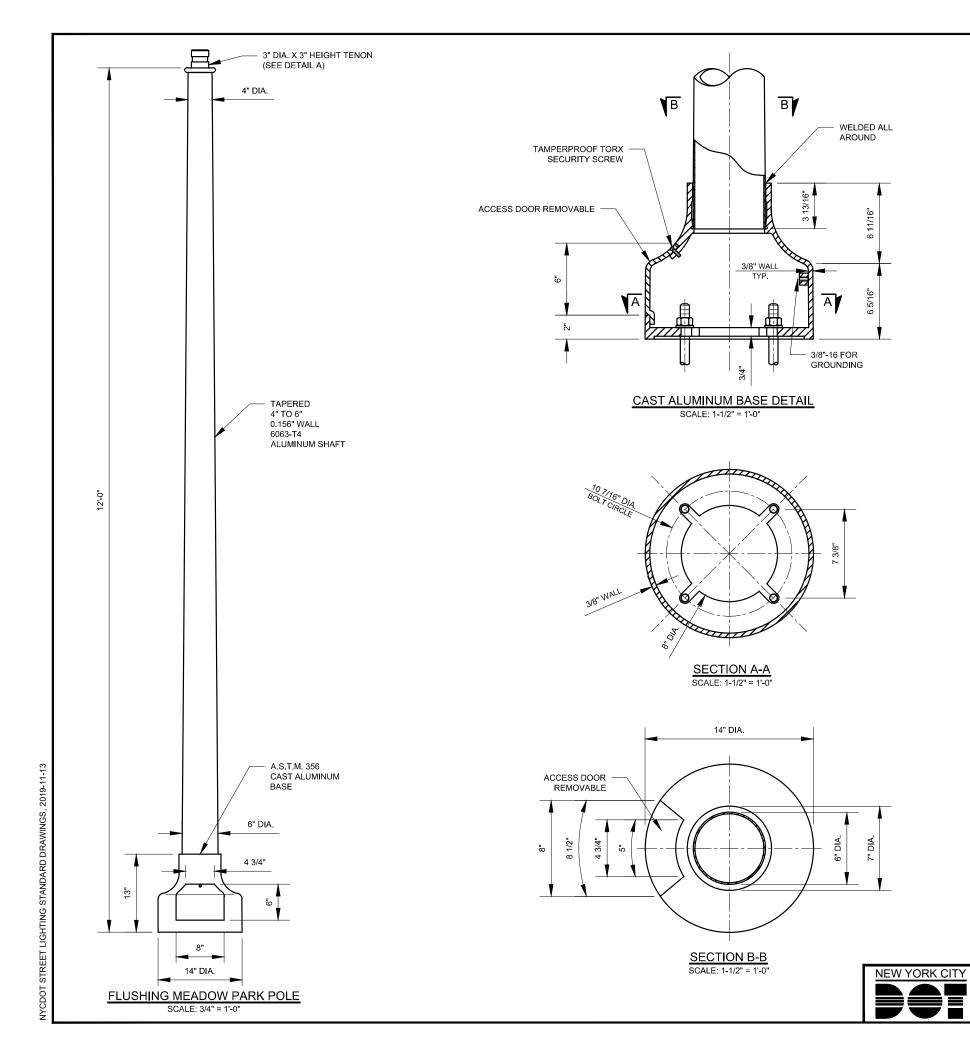
	_						
	<u> </u>			REVISION	DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING		
					34-02	QUEENS BLVD L	I.C.,N.Y.11101
					TYP	E S LAMPPOST AND	LUMINAIRE
					4		
NEW YORK CITY					SCALE:	OLD DRAWING NO.	DRAWING NO.
					SCALE.	OLD DRAWING NO.	DRAWING NO.
					3" = 1'-0"	5317	LP-014 4
	NO	DATE	BY	DESCRIPTION]]	











CONSTRUCTION:

THE LIGHTING POST SHALL BE MADE OF CAST ALUMINUM BASE AND AN ALUMINUM ROUND TAPERED SHAFT WITH A CAST ALUMINUM TENON. THE BASE SHALL HAVE A 14" DIA. ONE (6" X 5" MIN) ACCESS DOOR IN THE BASE SHALL BE SECURED WITH STAINLESS STEEL HARDWARE.

DIMENSIONS:

THE POST SHALL HAVE A LUMINAIRE MOUNTING HEIGHT 12'. THE CAST BASE SHALL HAVE A 14" DIA. AND BE 13" IN HEIGHT.

LUMINAIRE MOUNTING:

A 3" DIA. BY 3" TALL TENON WITH THEFT RESISTANT FEATURE SHALL BE AN INTEGRAL PART OF THE POLE PROVIDED FOR POST TOP MOUNTING OF LUMINAIRE.

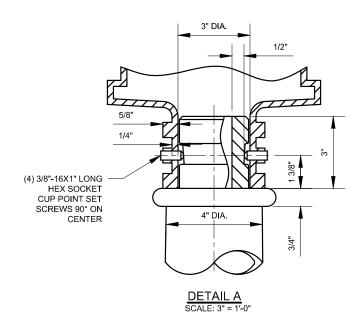
INSTALLATION: (SEE DRAWING FOR DETAILS)

THE POLE SHALL HAVE A 10 7/16" DIA. BOLT CIRCLE AND REQUIRES A 3" ANCHOR BOLT PROJECTION.

FINISH:

THE POLE SHALL BE FINISHED WITH HIGH GLOSS SUPER DURABLE POLYESTER POWDER COAT PAINT TO BE APPLIED UTILIZING A MULTI-STAGE PROCESS THAT INCLUDES PHOSPHATE PRETREATMENT, ELECTROSTATIC POWDER APPLICATION, AND CONVECTION CURING. COLOR TO BE SPECIFIED.

CATALOG #: SAL-FM-12 COLOR: ADVISE



			DE: #01011	
			REVISION	DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101
				FLUSHING MEADOWS PARK ALUMINUM POST FOR FLUSHING MEADOWS LUMINAIRE
				SCALE: OLD DRAWING NO. DRAWING NO.
NO	DATE	BY	DESCRIPTION	AS NOTED S4955-C107 LP-019

CONSTRUCTION:

THE LIGHTING POST SHALL BE MADE OF CAST ALUMINUM BASE AND AN ALUMINUM ROUND TAPERED SHAFT WITH A CAST ALUMINUM TENON. THE BASE SHALL HAVE A 14" DIA. ONE (6" X 5" MIN) ACCESS DOOR IN THE BASE SHALL BE SECURED WITH STAINLESS STEEL HARDWARE.

DIMENSIONS:

THE POST SHALL HAVE AN ARM MOUNTING HEIGHT 12'-4". THE CAST BASE SHALL HAVE A 14" DIA. AND BE 13" IN HEIGHT.

LUMINAIRE MOUNTING:

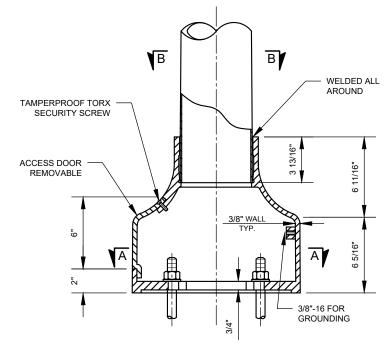
A 2.375" DIA. FITTER SHALL BE AN INTEGRAL PART OF THE ARM PROVIDED FOR SIDE MOUNTING OF LUMINAIRE.

INSTALLATION: (SEE DRAWING FOR DETAILS)

THE POLE SHALL HAVE A 10 7/16" DIA. BOLT CIRCLE AND REQUIRES A 3" ANCHOR BOLT PRO ECTION.

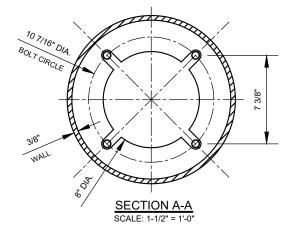
FINISH:

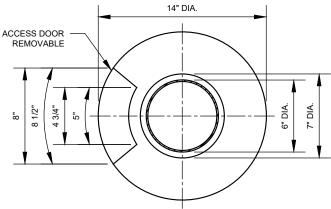
THE POLE SHALL BE FINISHED WITH HIGH GLOSS SUPER DURABLE POLYESTER POWDER COAT PAINT TO BE APPLIED UTILIZING A MULTI-STAGE PROCESS THAT INCLUDES PHOSPHATE PRETREATMENT, ELECTROSTATIC POWDER APPLICATION, AND CONVECTION CURING. COLOR TO BE SPECIFIED. ANODIZED FINISH ALSO ACCEPTABLE.



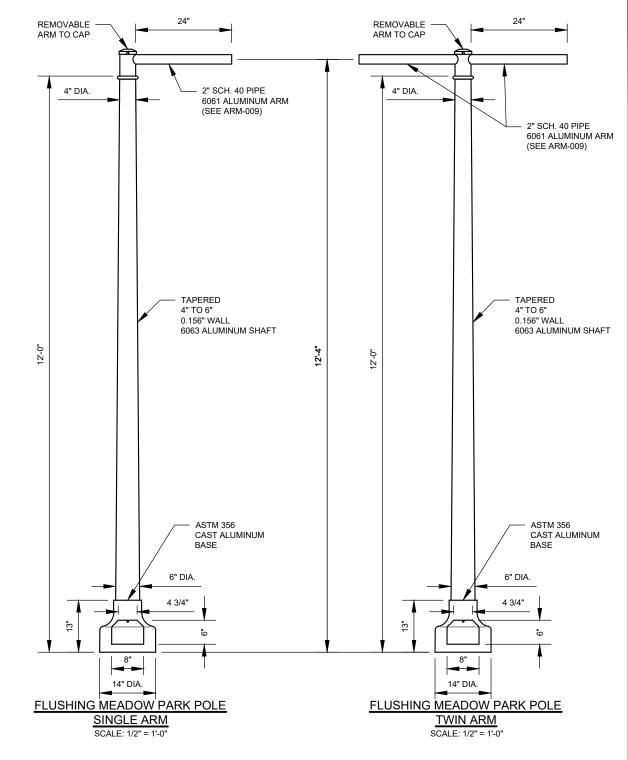
CAST ALUMINUM BASE DETAIL

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





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



	REVISION	DEPARTMENT OF TRANSPORTATION		
		DIVISION OF STREET LIGHTING		
		34-02 QUEENS BLVD L.I.C.,N.Y.11101		
		FLUSHING MEADOWS PARK ALUMINUM PO		
		FOR CORDA LIEAR LUMBER		



09/2022

10/2019

AM

GPI

DATE BY DESCRIPTION

REDRAWN IN CAD

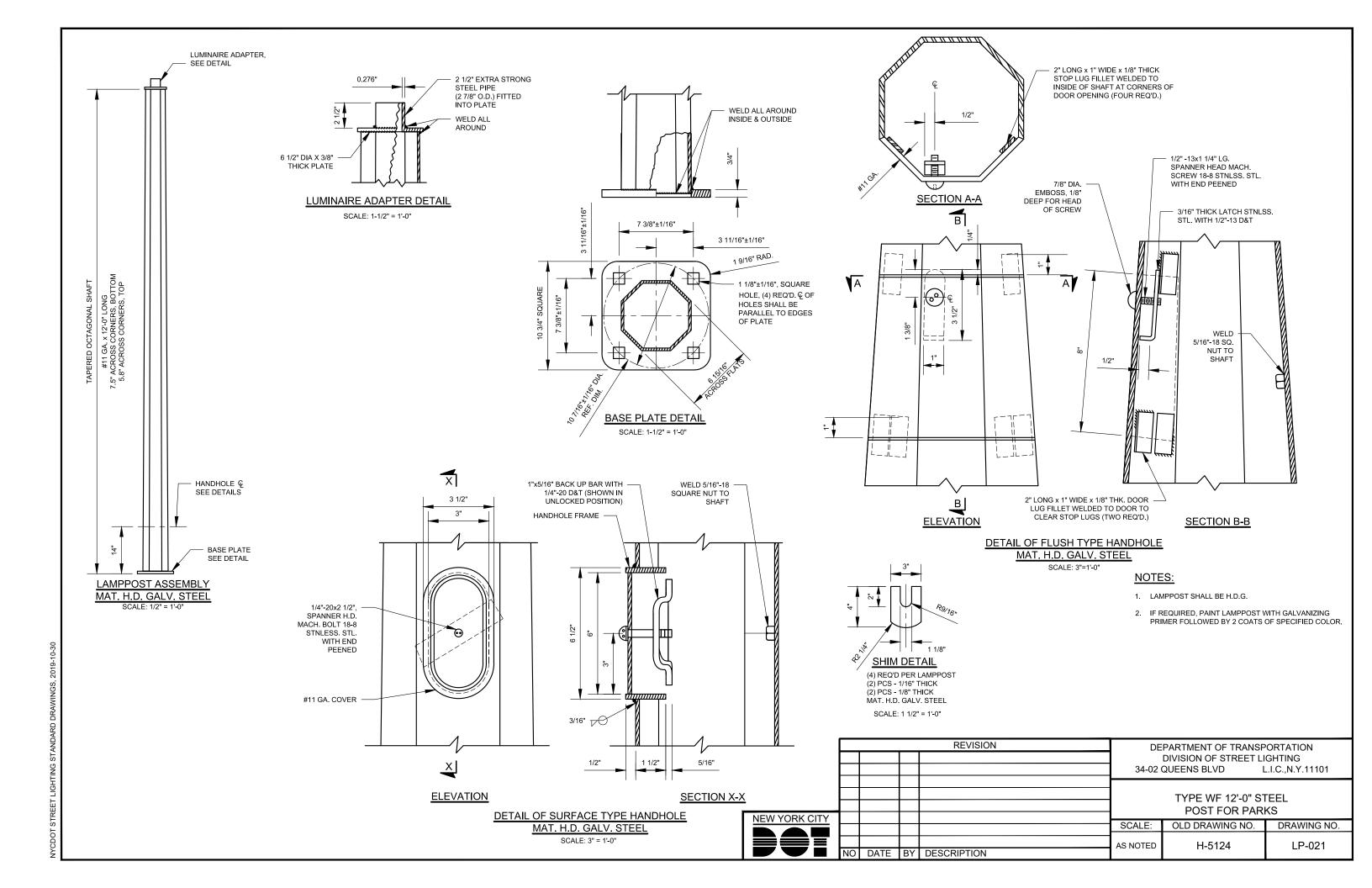
FLUSHING MEADOWS PARK ALUMINUM POST FOR COBRA HEAD LUMINAIRE

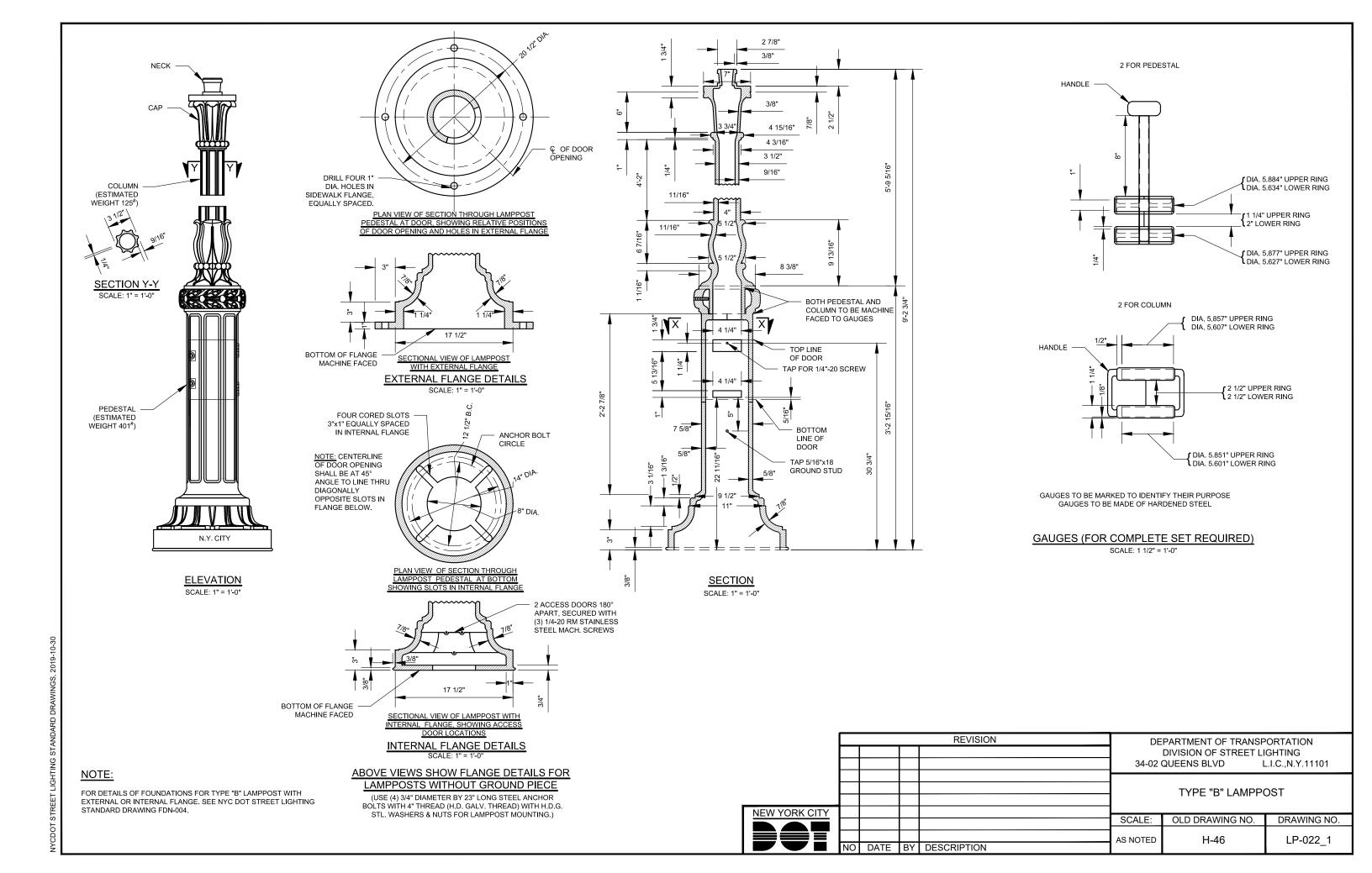
ANODIZED FINISH NOTE & REFERENCE TO ARM-009 SCALE: OLD DRAWING NO. DRAWING NO.

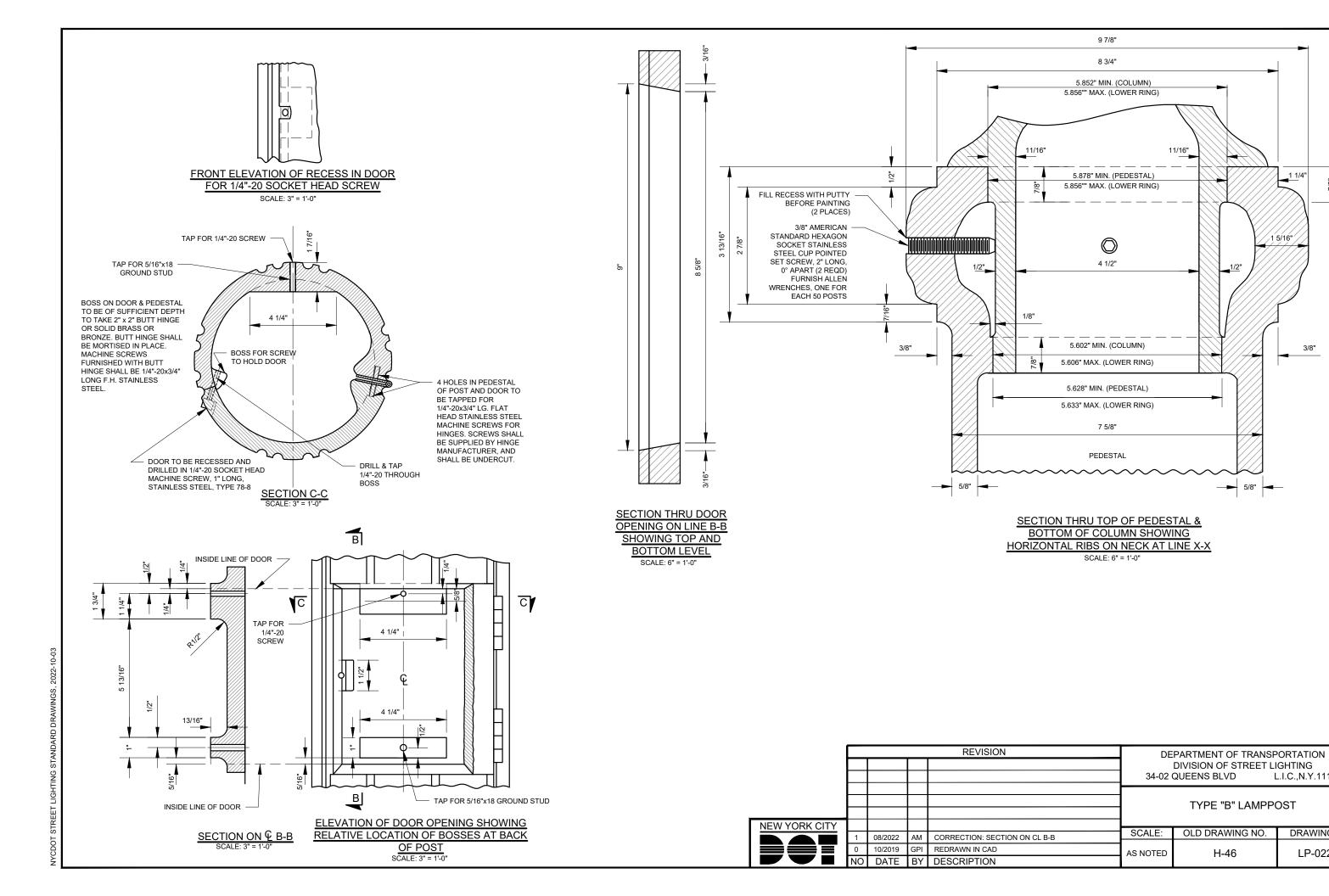
AS NOTED

S4955-C107.1

LP-020







1 1/4"

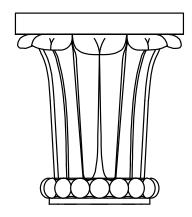
3/8"

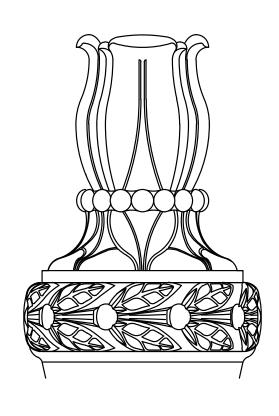
L.I.C., N.Y.11101

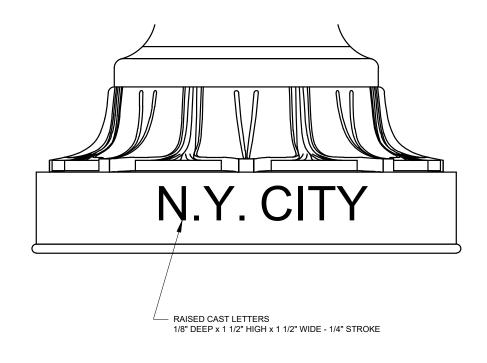
DRAWING NO.

LP-022_2

1 5/16"







REVISION

DEPARTMENT OF TRANSPORTATION
DIVISION OF STREET LIGHTING
34-02 QUEENS BLVD

L.I.C.,N.Y.11101

TYPE "B" LAMPPOST

SCALE:

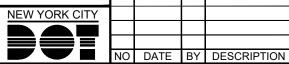
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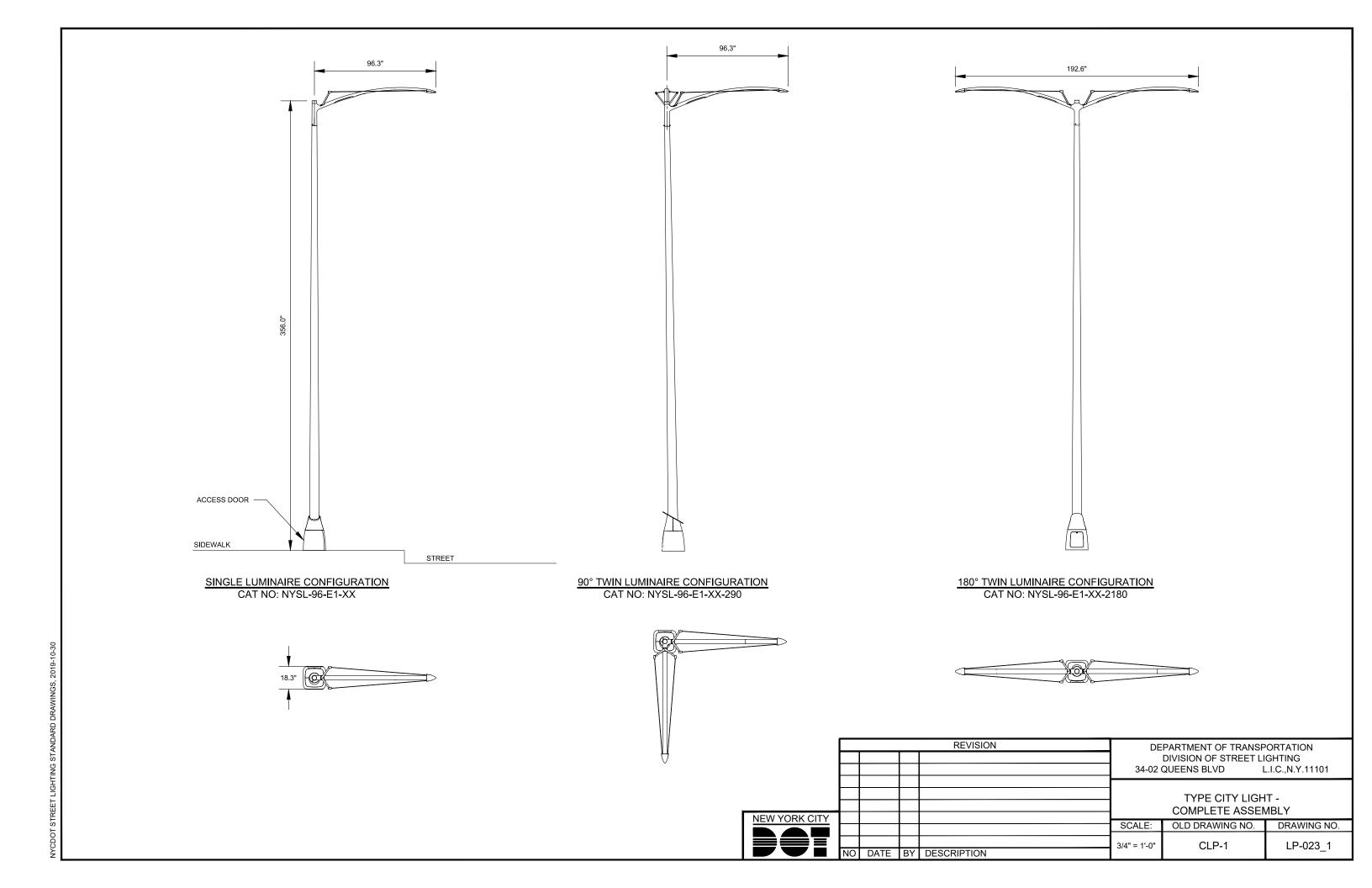
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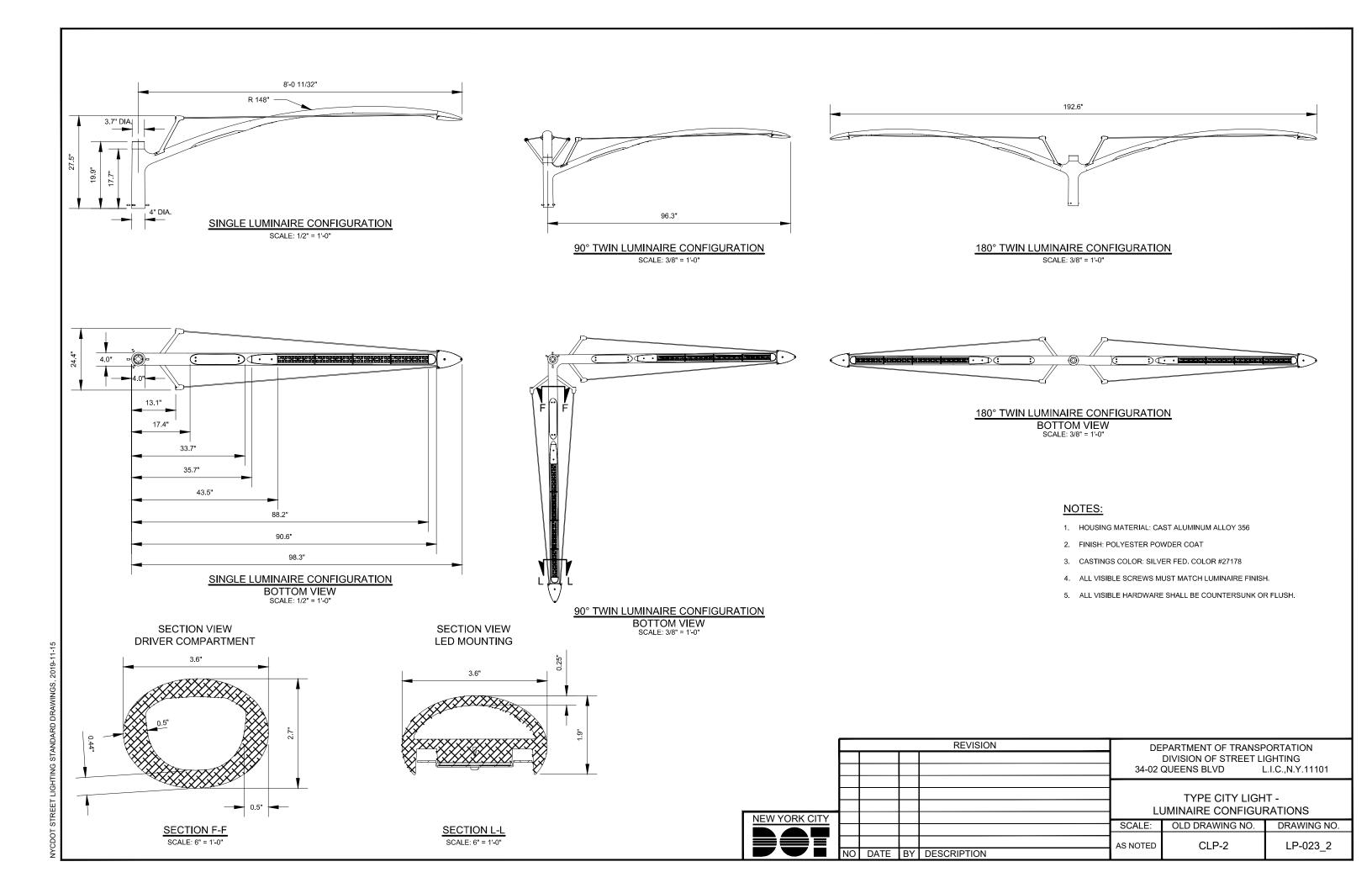
H-46

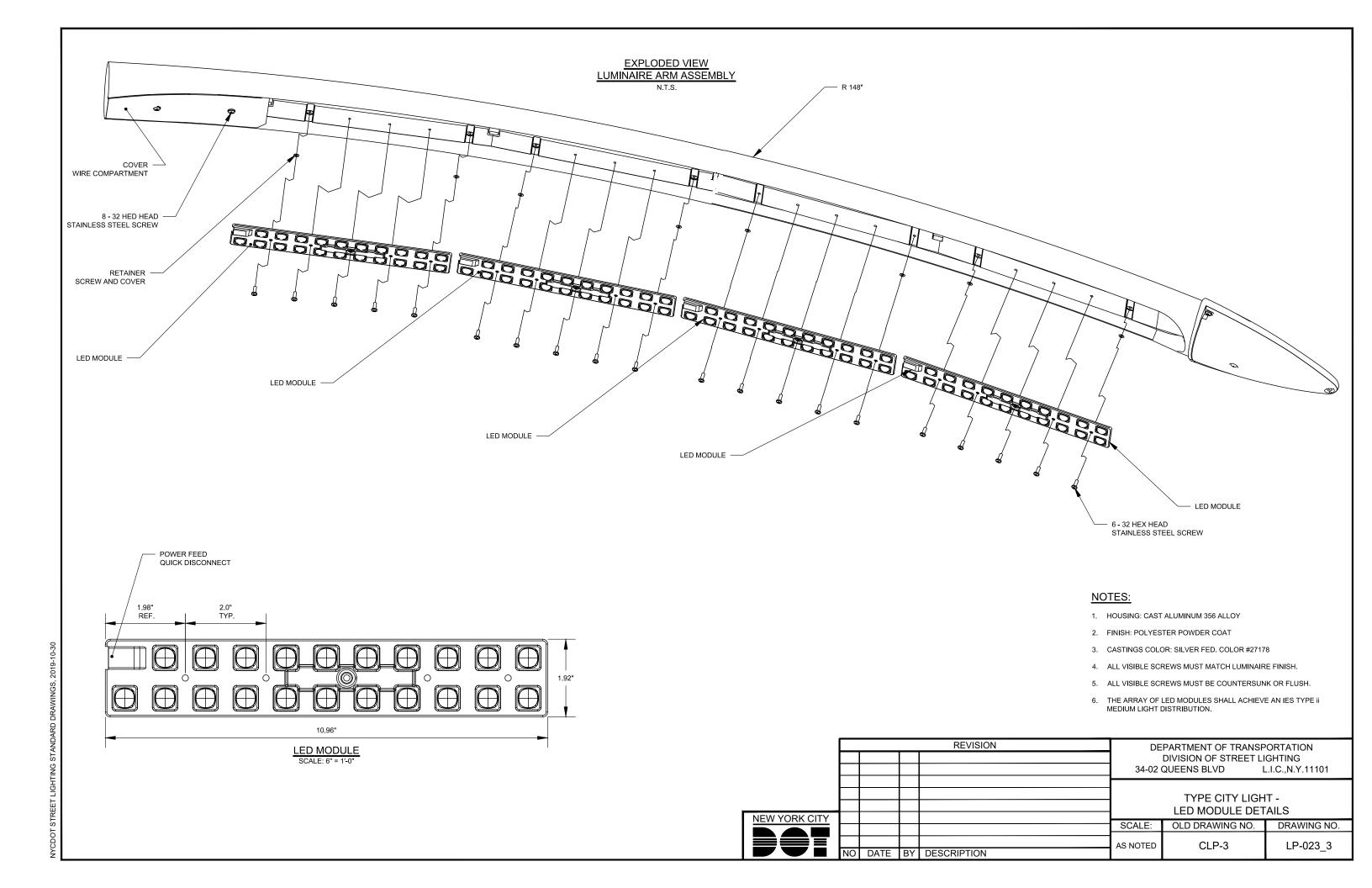
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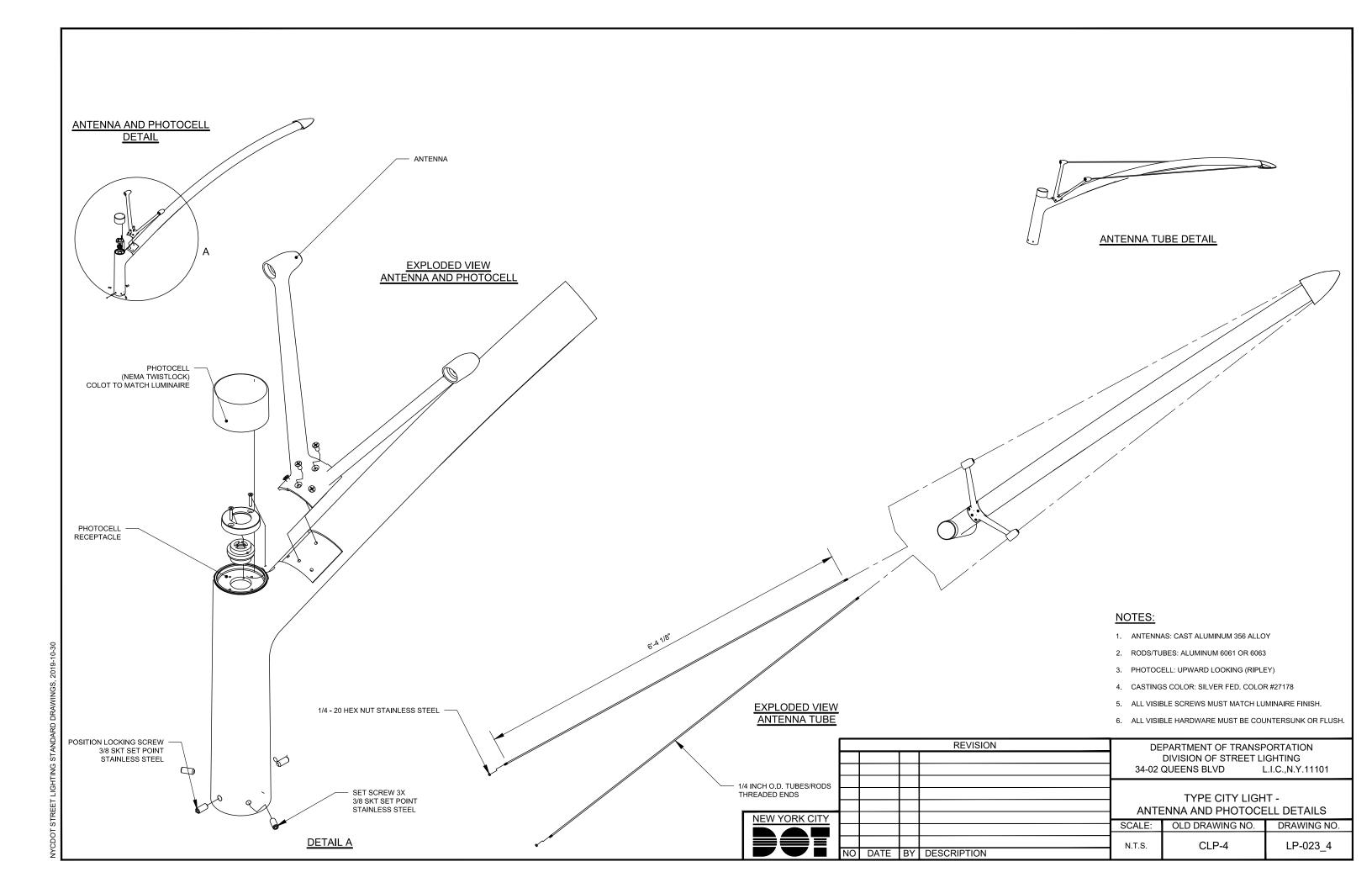
LP-022_3

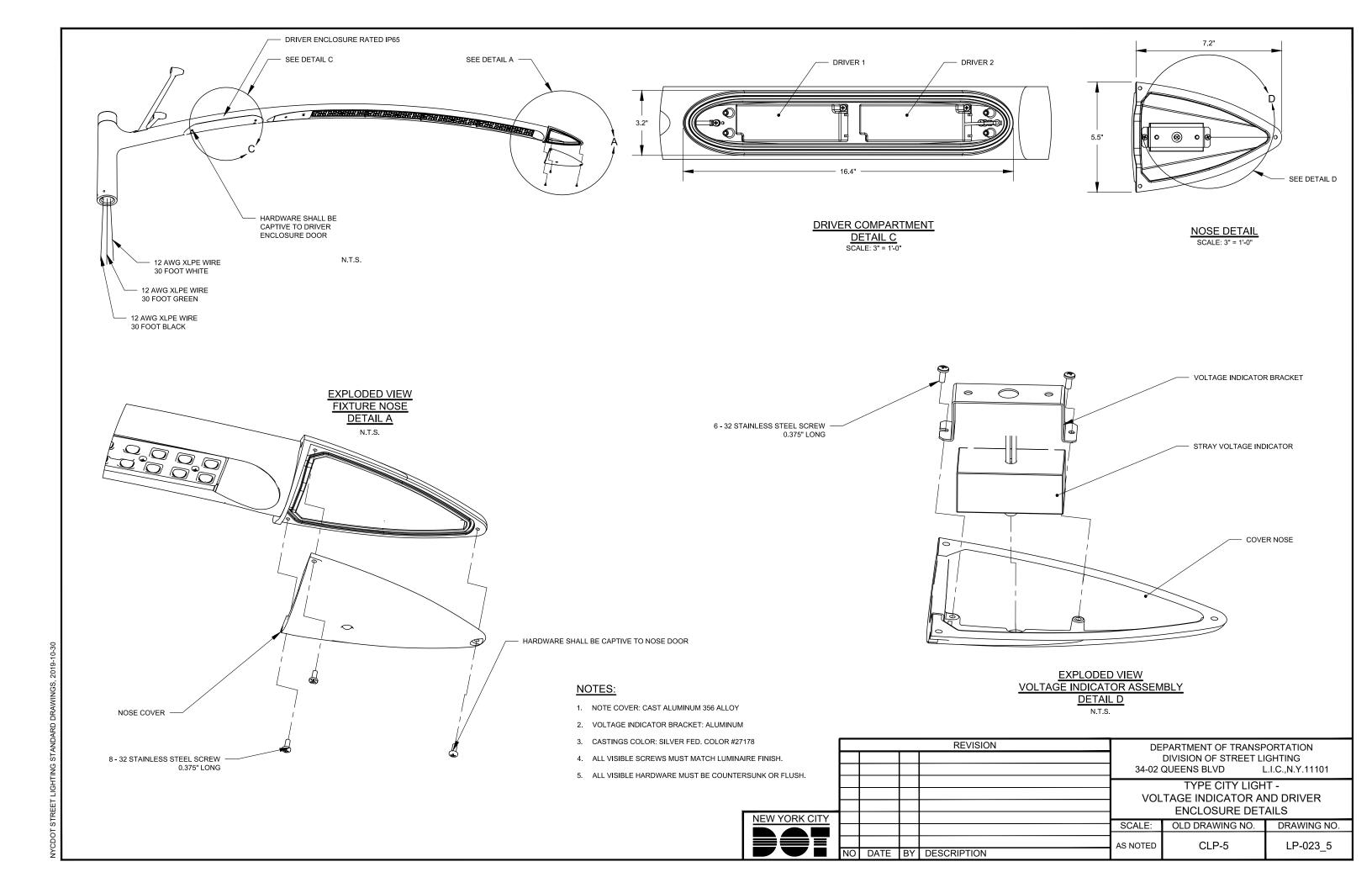


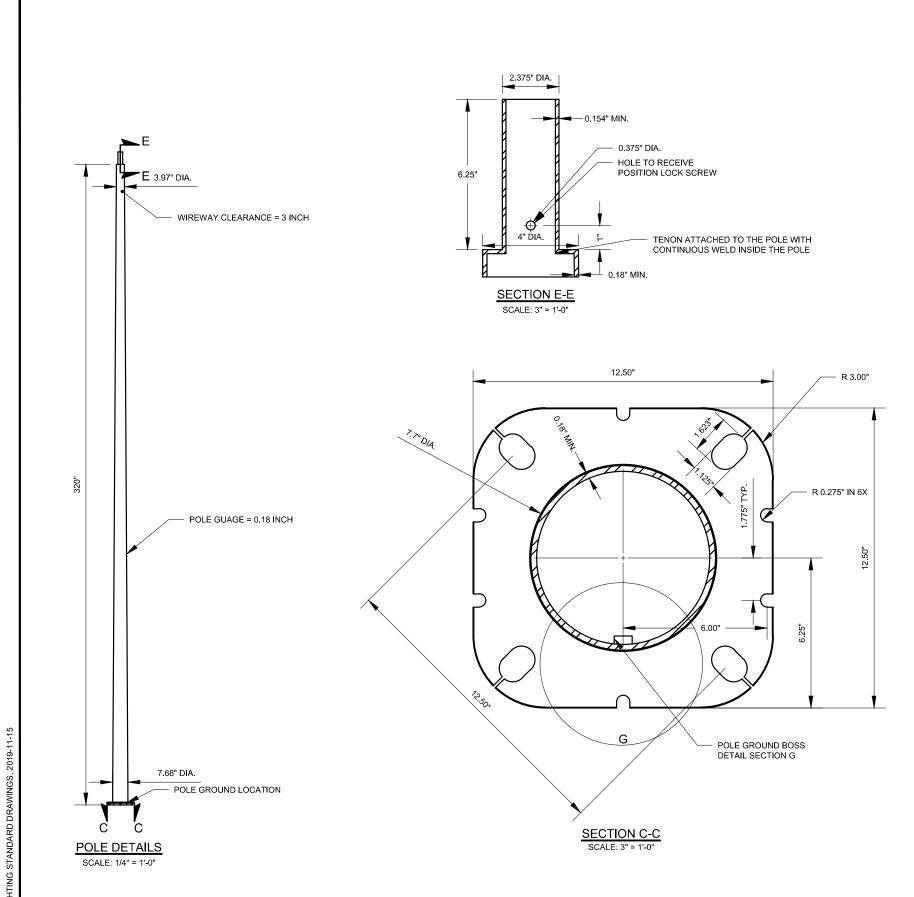


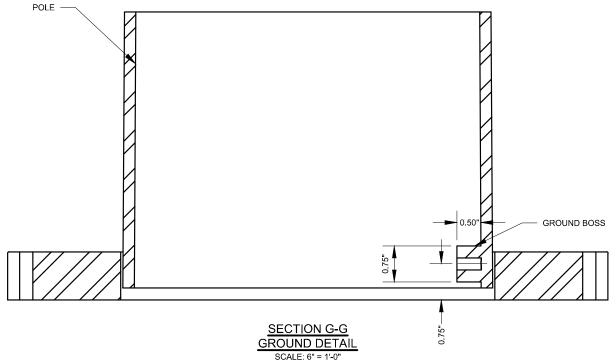






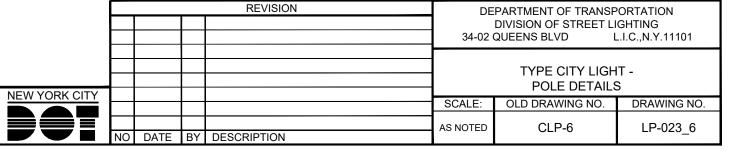


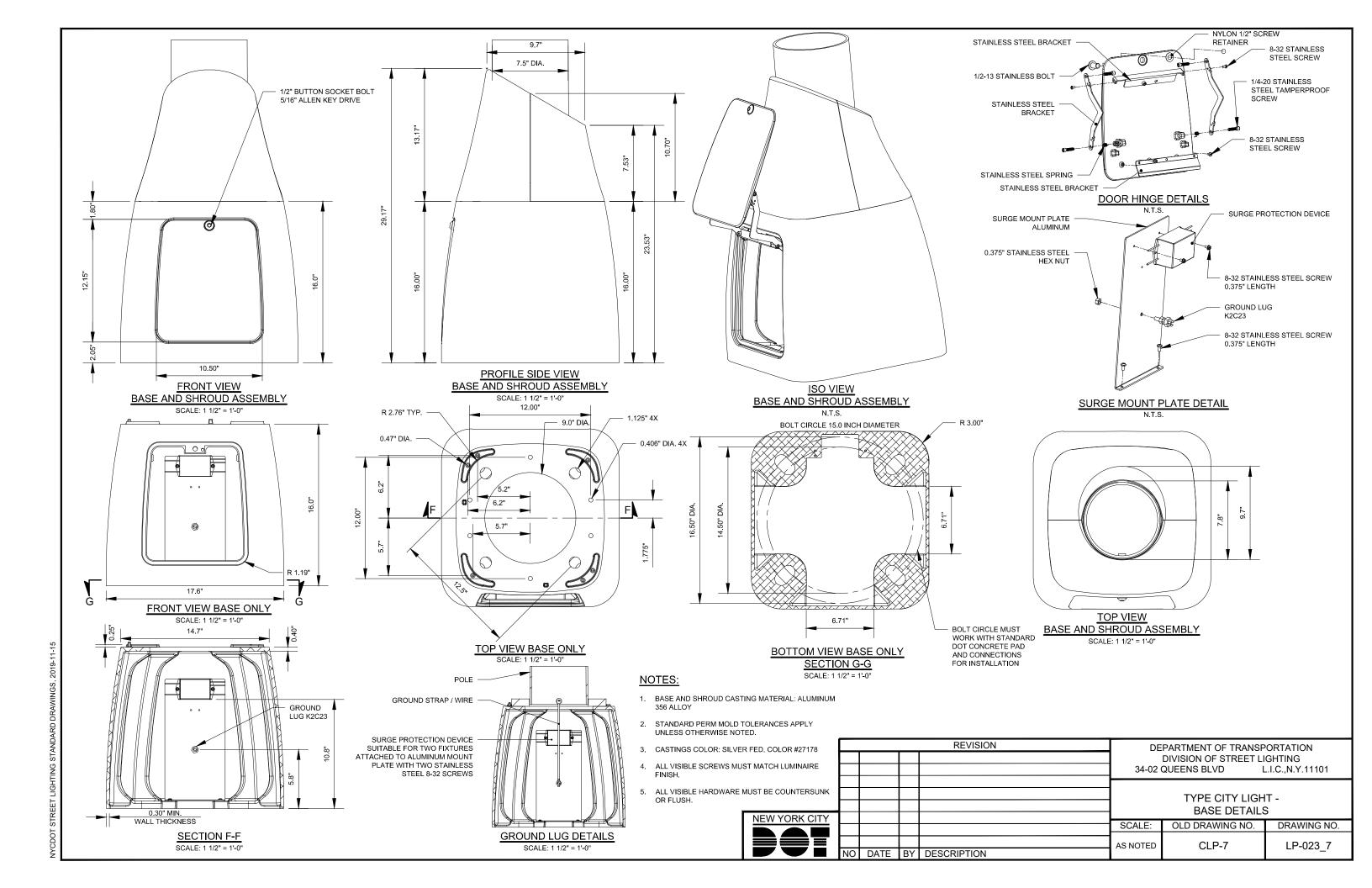


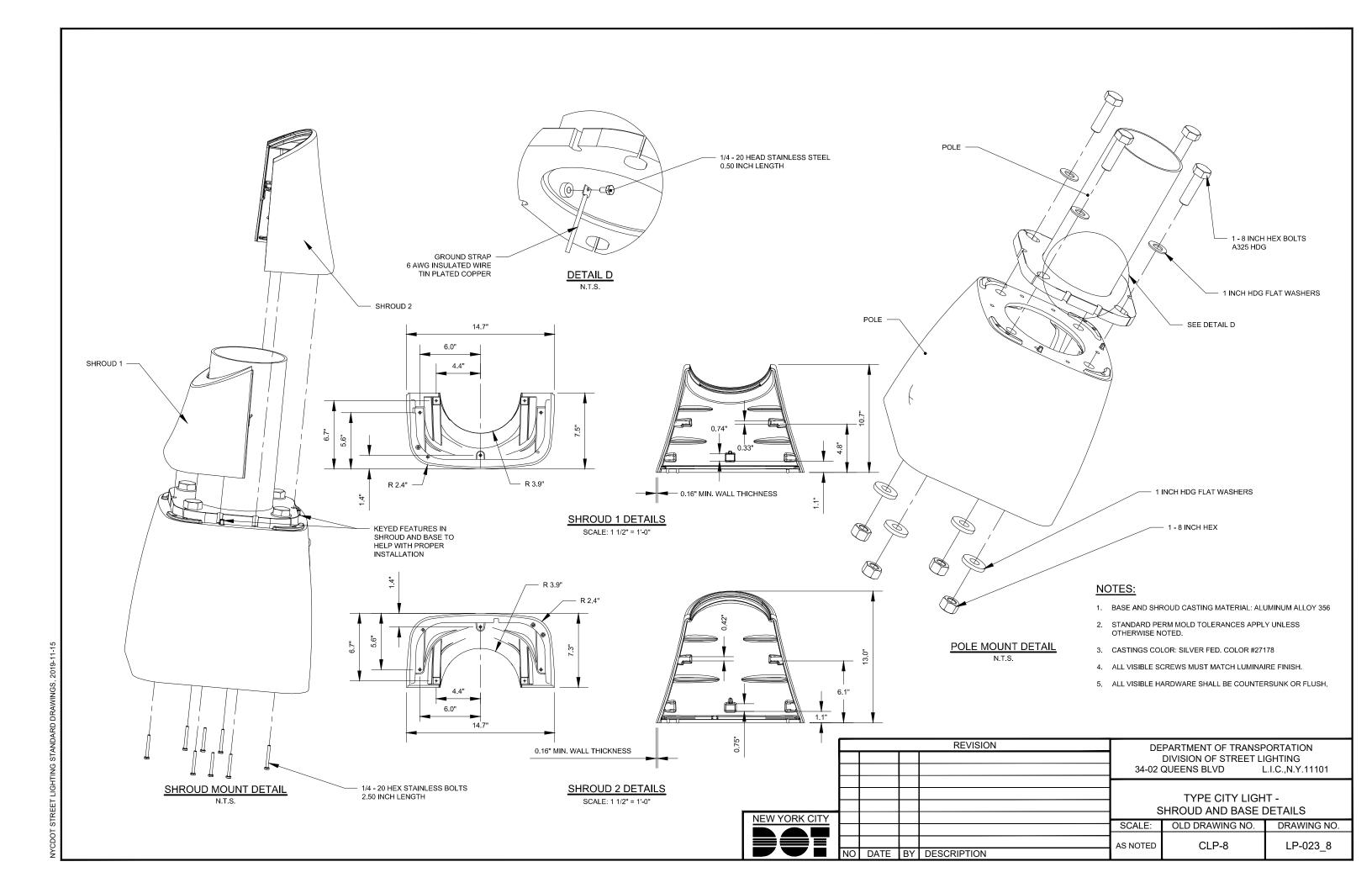


NOTES:

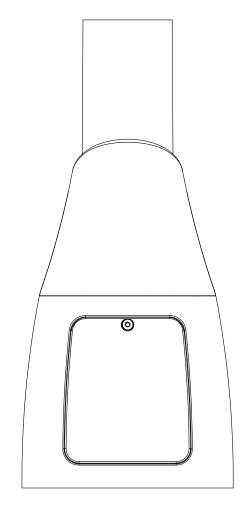
- 1. POLE: ROUND TAPERED STEEL ASTM A595 GRADE A.
- 2. POLE BASE PLATE: STEEL 1 INCH THICK ASTM A572 OR ASTM A36 GRADE STEEL
- 3. TENON: WELDED 2 3/8 INCH STEEL PIPE
- 4. FINISH: PRIMED AND POLYESTER POWDER COATED COLOR SILVER FED. #27178
- 5. ALL VISIBLE SCREWS MUST MATCH LUMINAIRE FINISH.
- 6. ALL VISIBLE HARDWARE SHALL BE COUNTERSUNK OR FLUSH.



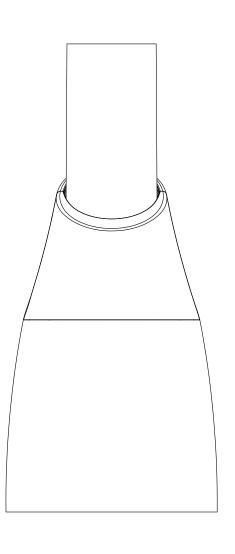




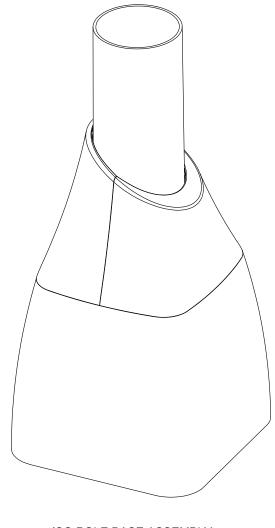
POLE BASE 3D IMAGES



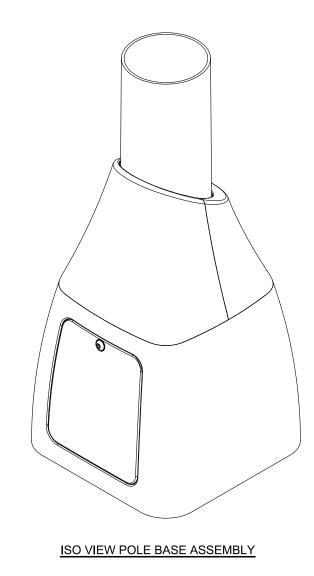




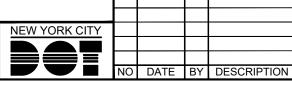
BACK VIEW POLE BASE ASSEMBLY



ISO POLE BASE ASSEMBLY



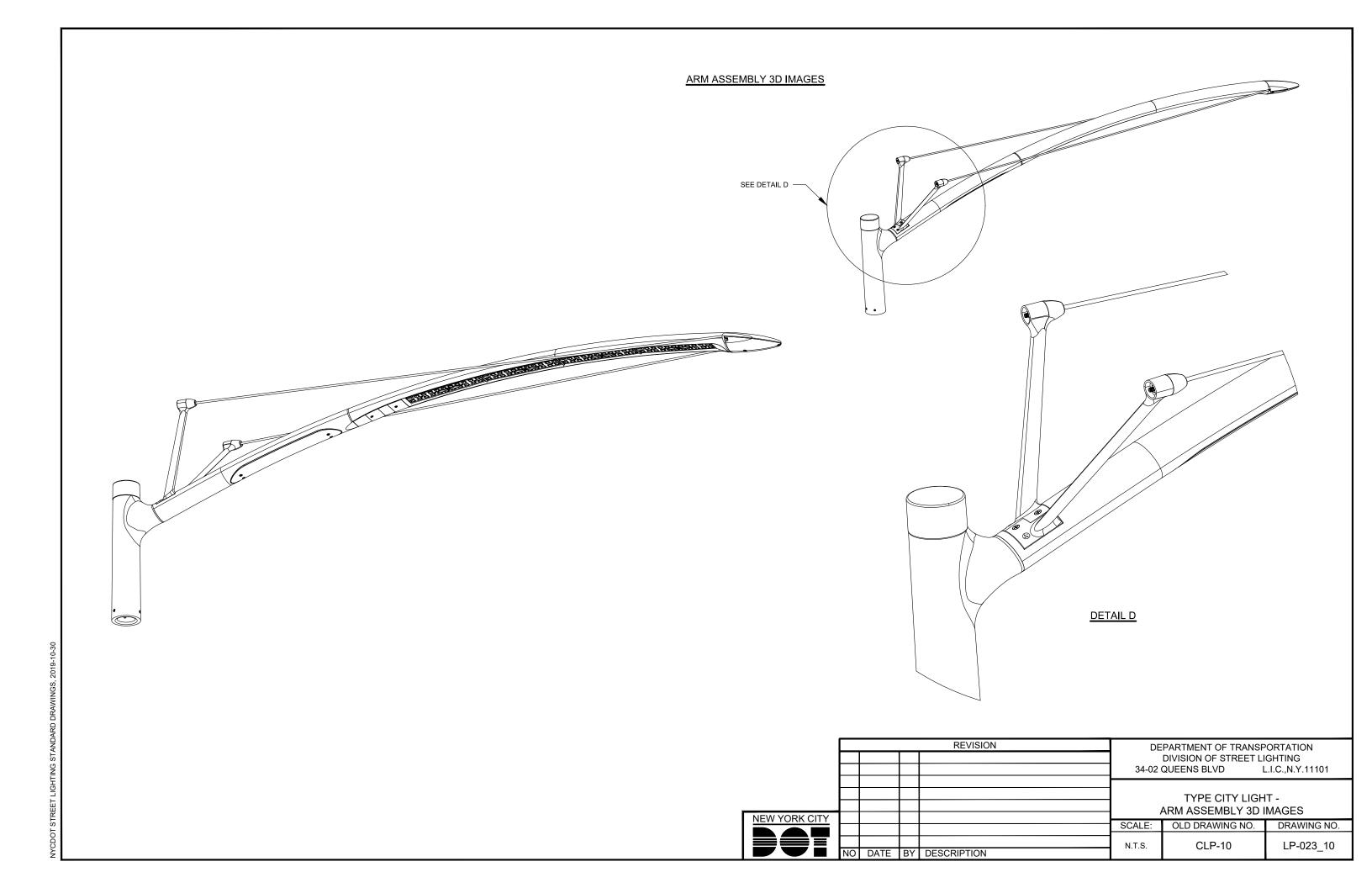
REVISION	DEPARTMENT OF TRANSPORTATION		
	DIVISION OF STRE	ET LIGHTING	
	34-02 QUEENS BLVD	L.I.C.,N.Y.11101	

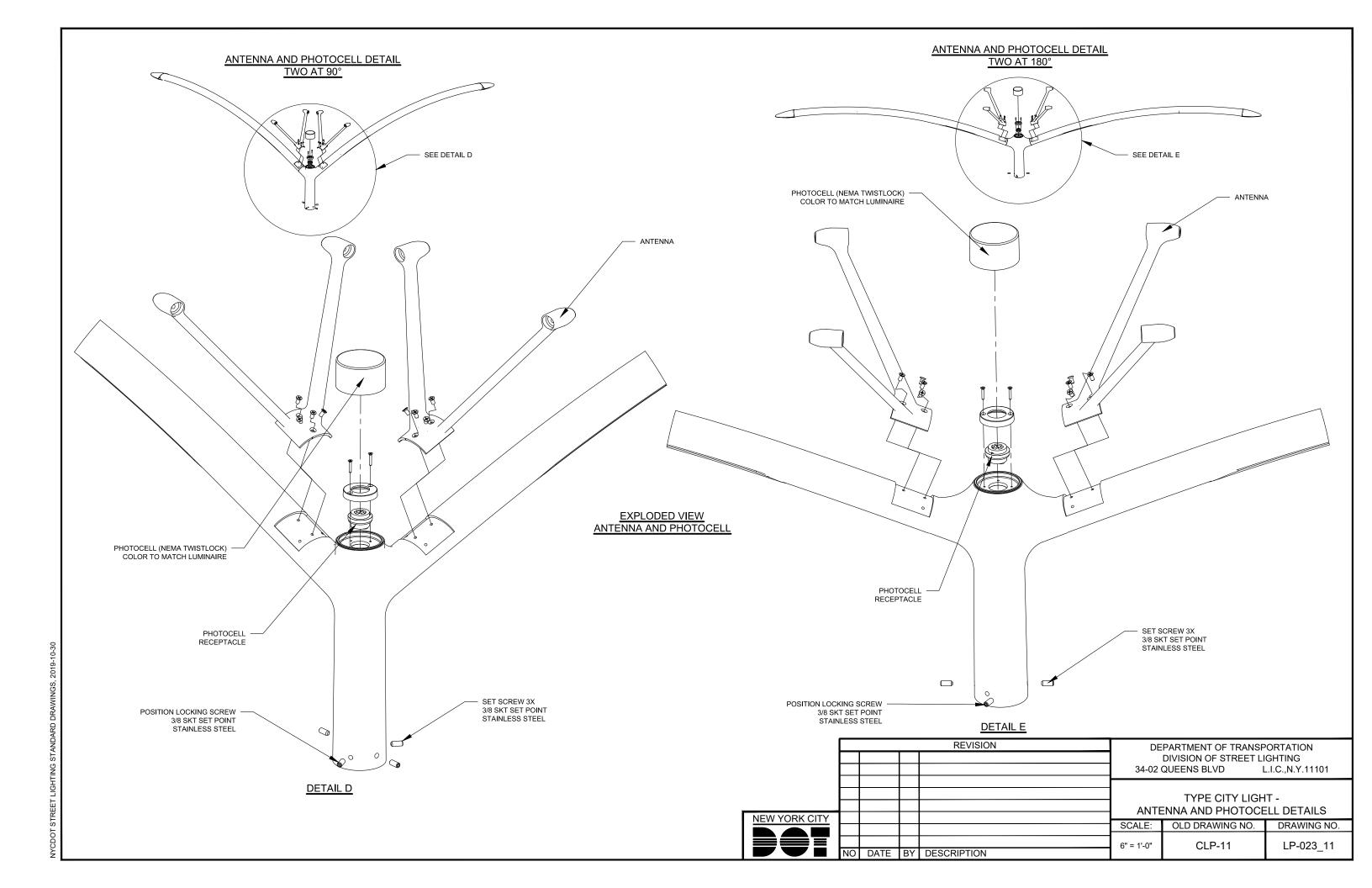


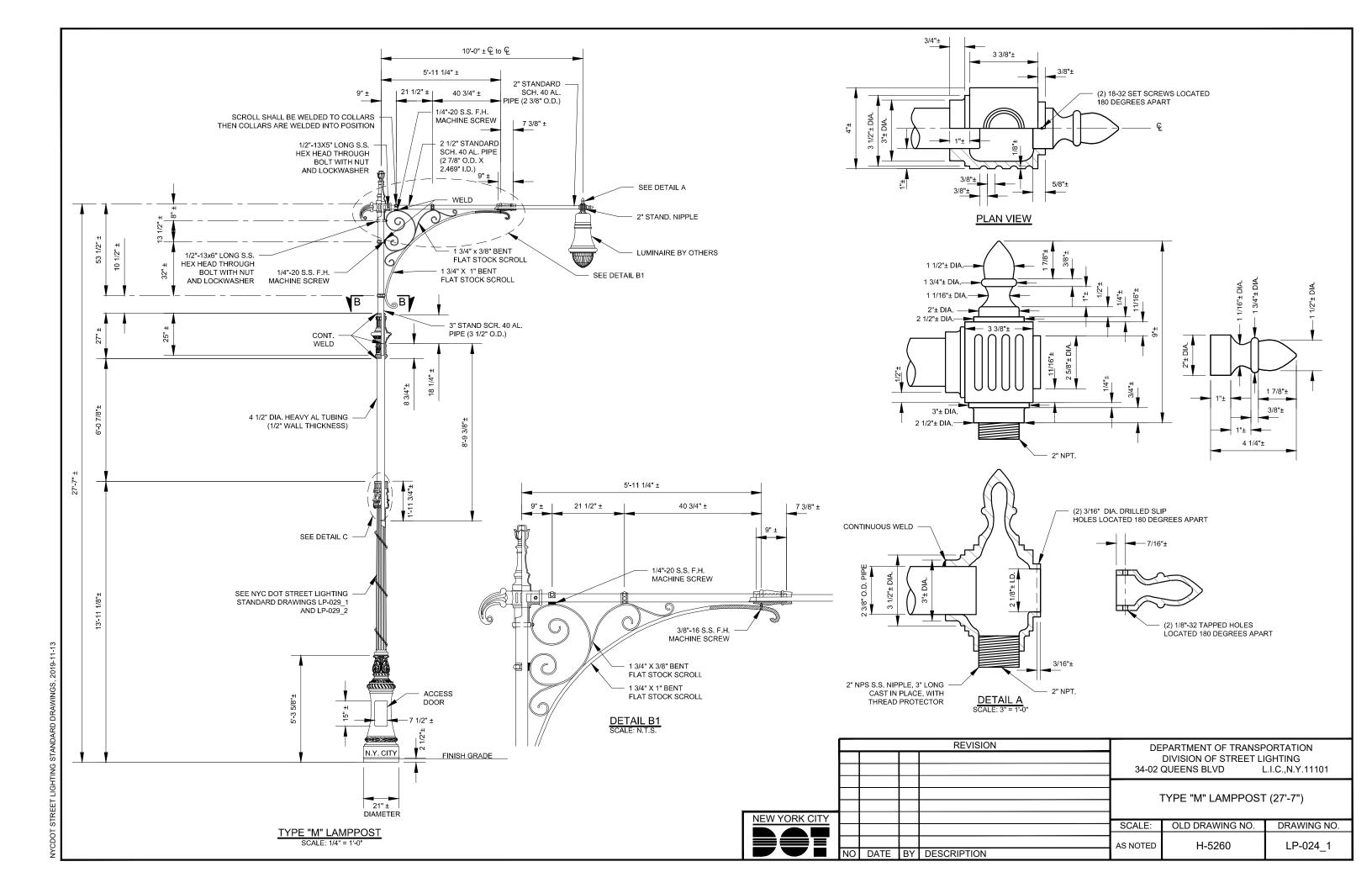
TYPE CITY LIGHT -	
POLE BASE 3D IMAGES	

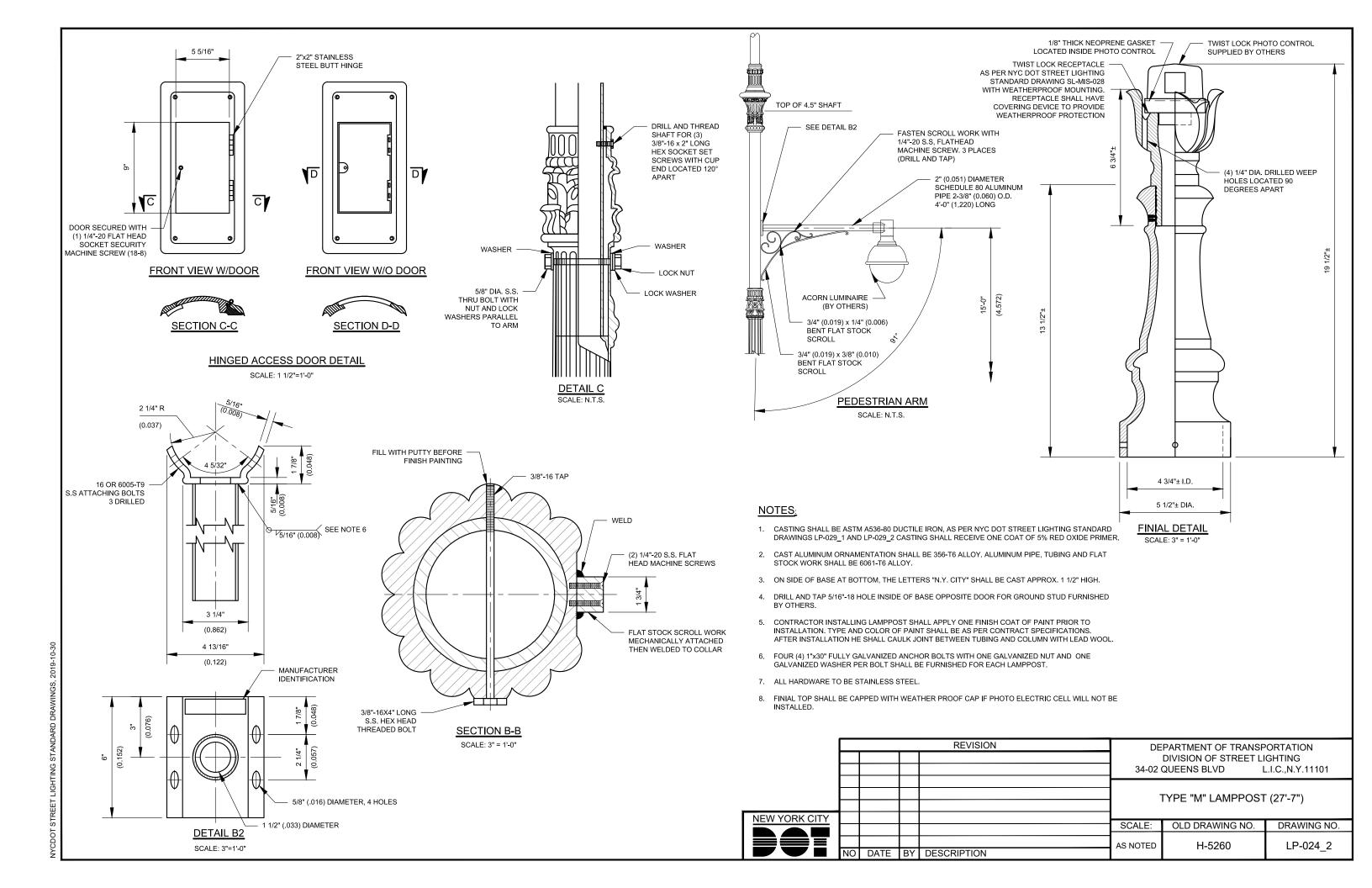
	. 022 57 (02 05 111)	.0_0
SCALE:	OLD DRAWING NO.	DRAWING NO.
N.T.S.	CLP-9	LP-023_9

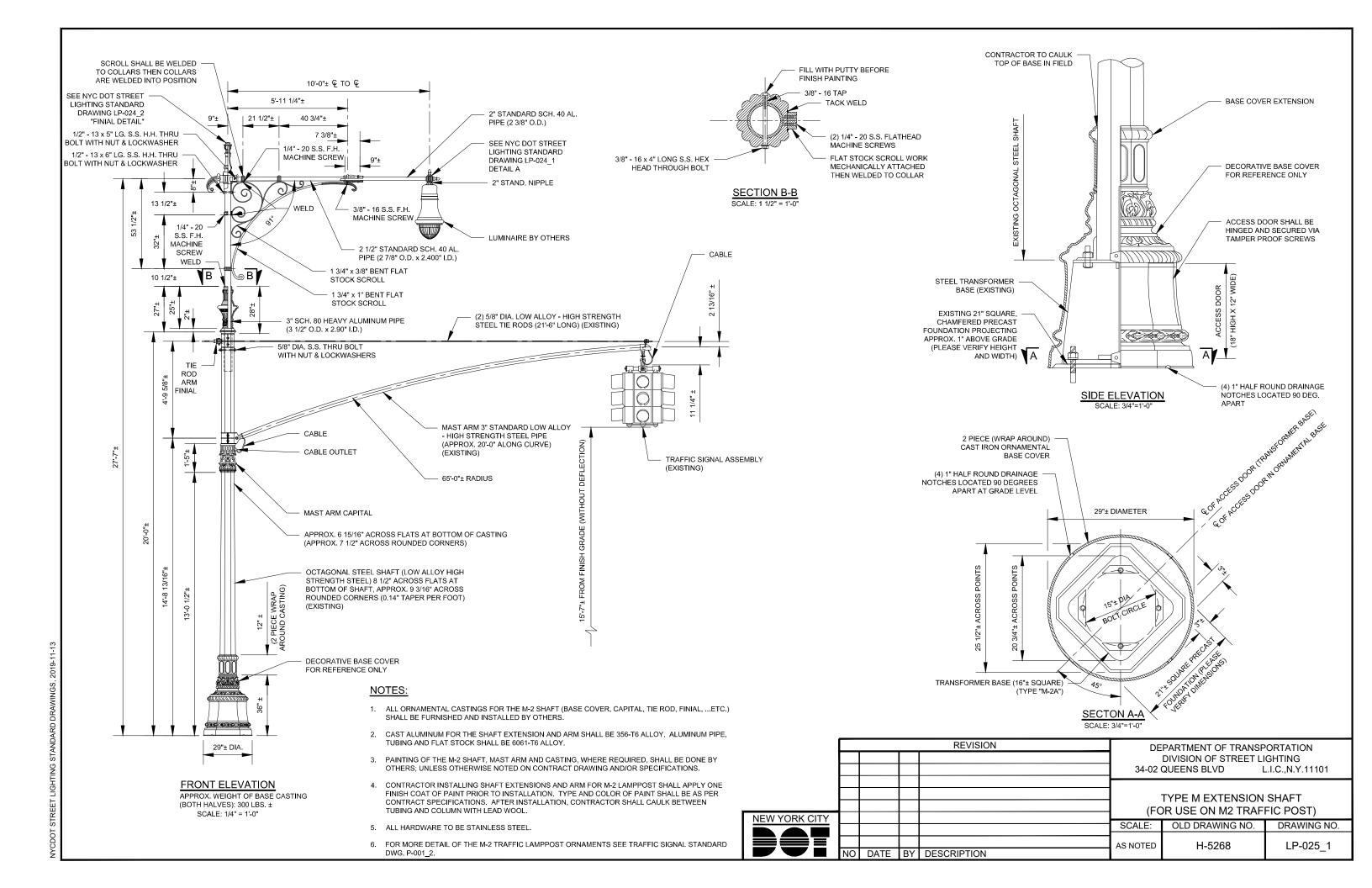
NYCDOT STREET LIGHTING STANDARD DRAWINGS, 2019

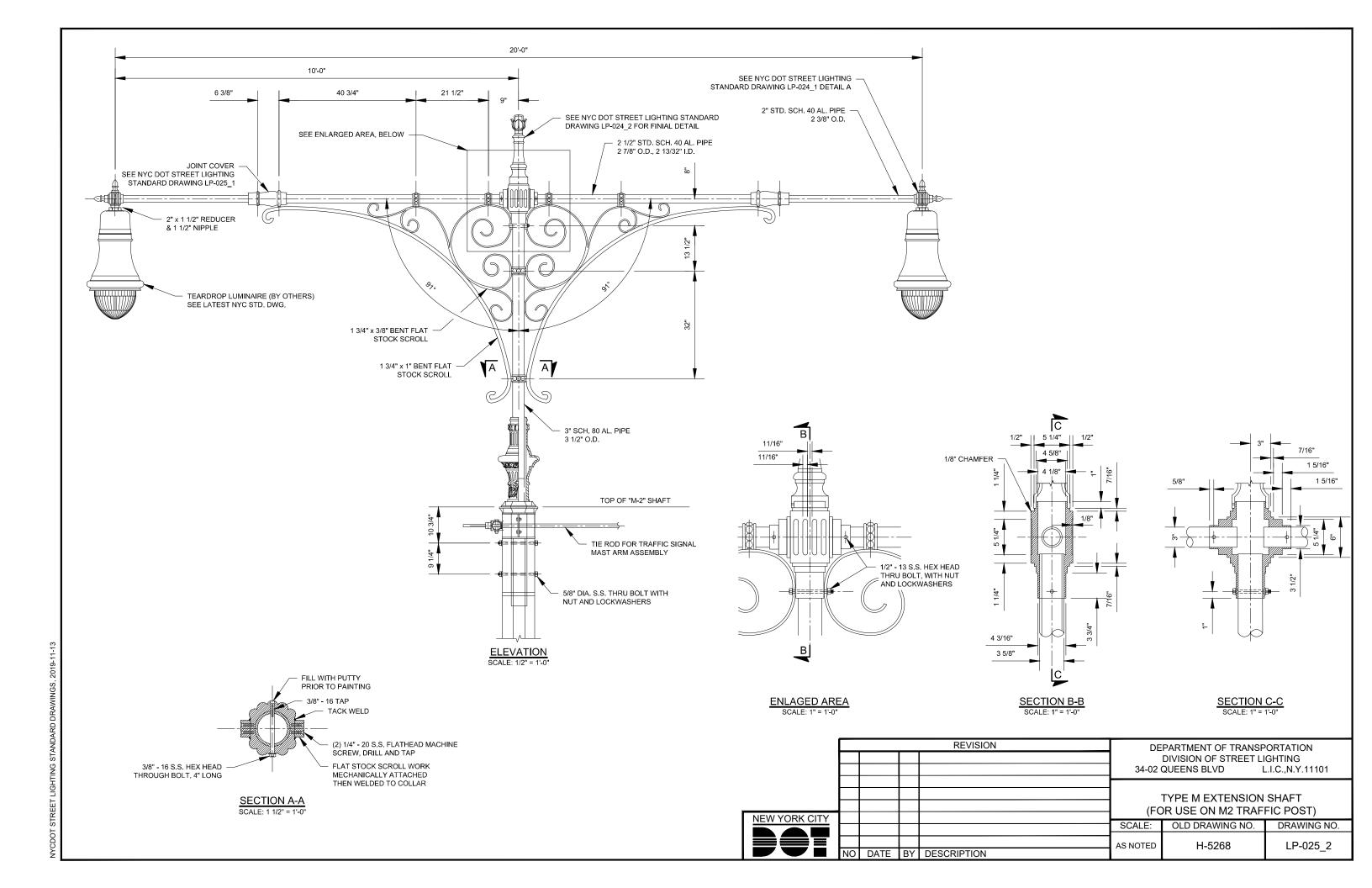


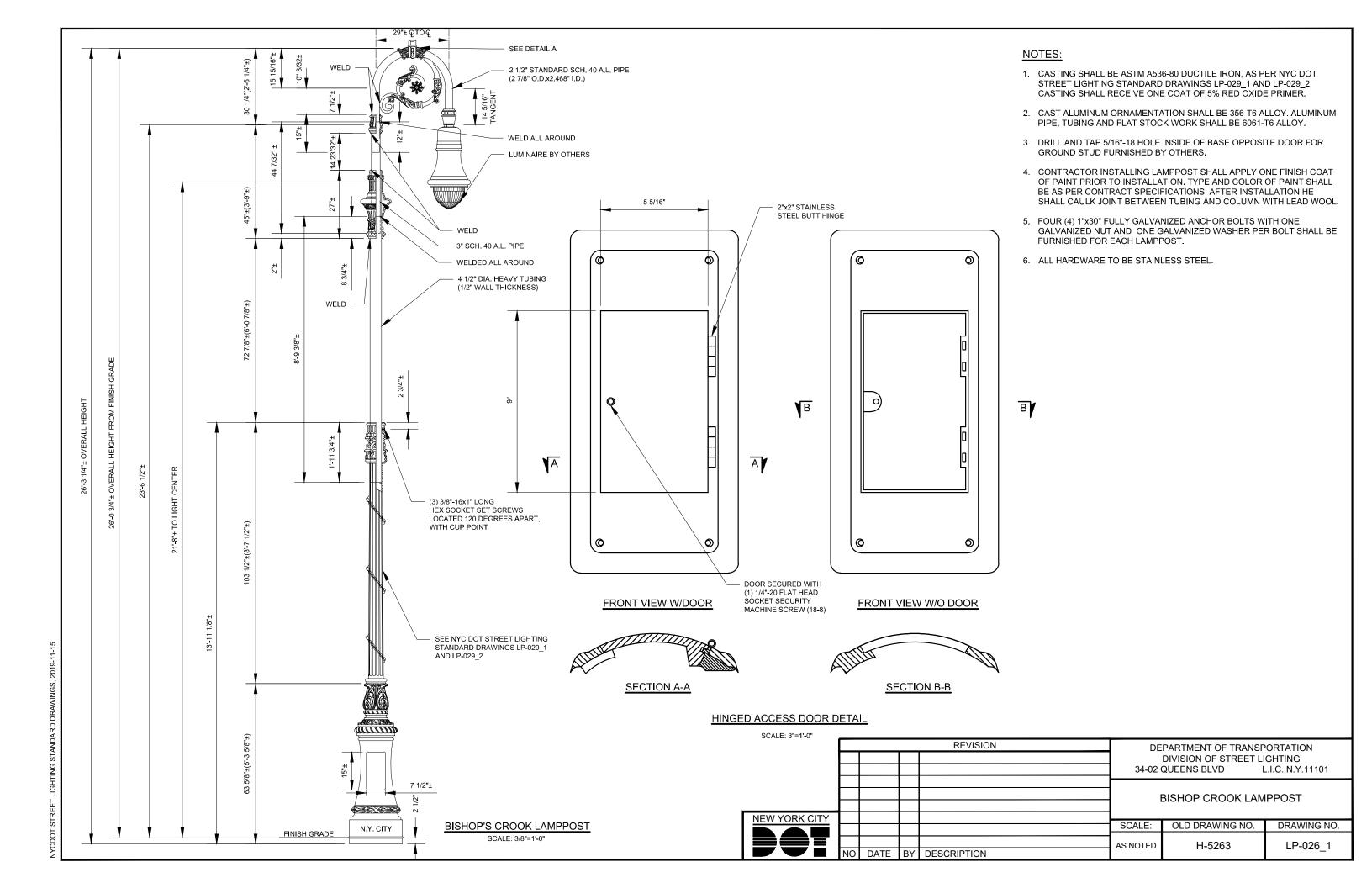


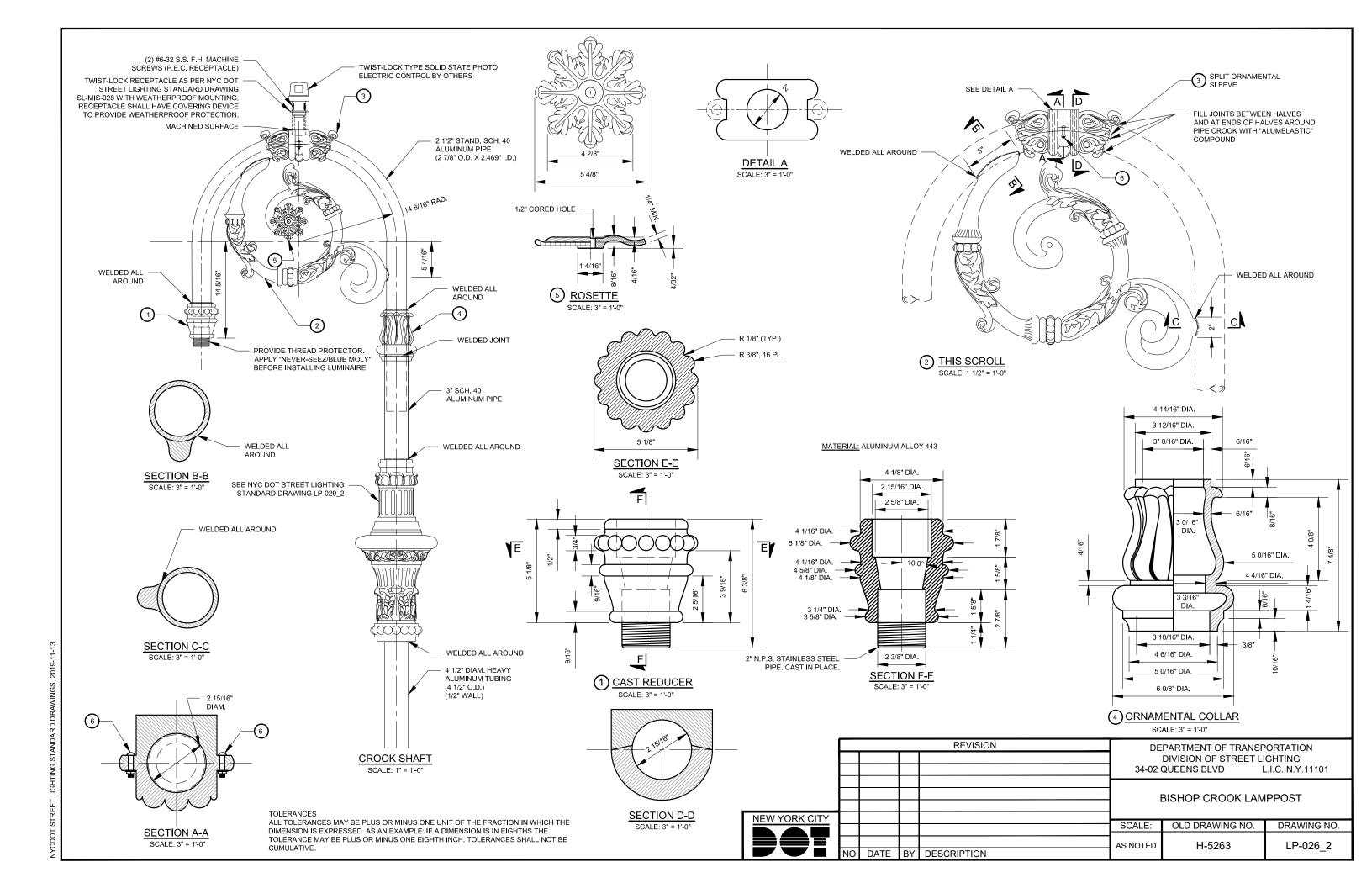


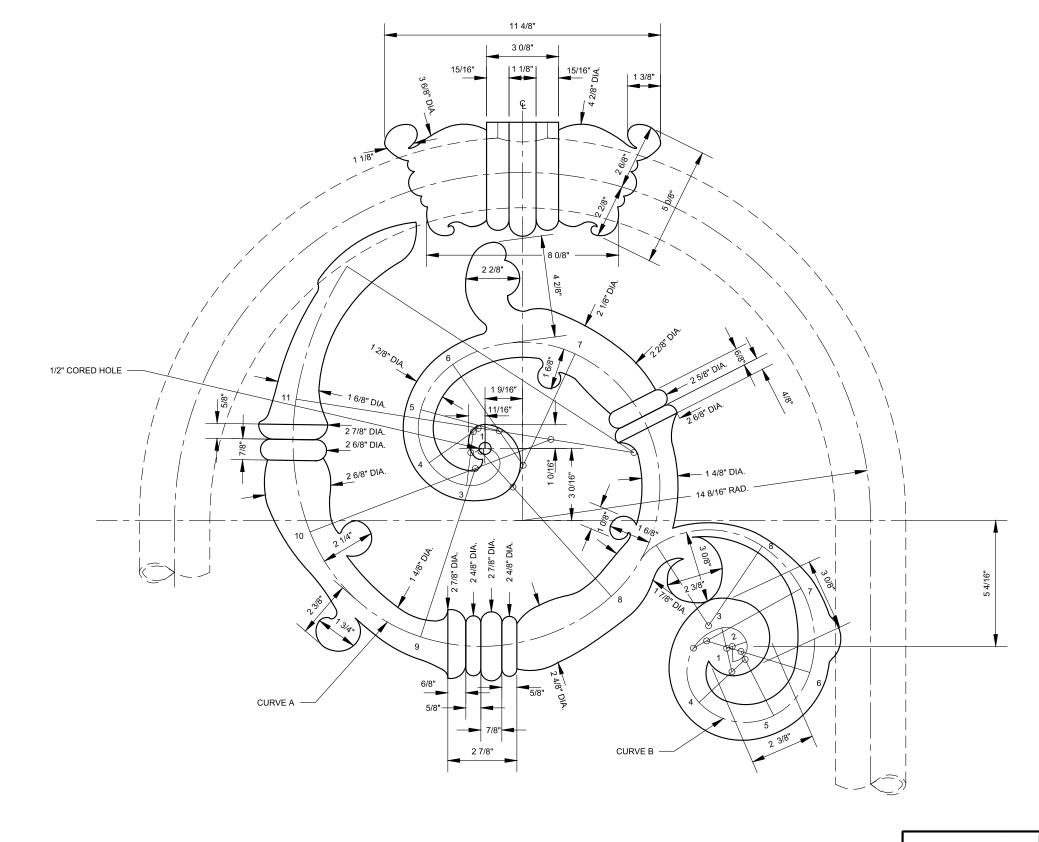












KEY	CUR\	/E A	CURVE B		
NO.	RADIUS	ANGLE	RADIUS	ANGLE	
1	5/8"	127°	5/8"	108°	
2	1-3/8"	60°	7/8"	85°	
3	2-1/4"	48°	1-7/8"	120°	
4	2-1/2"	42°	2-5/8"	74°	
5	3-3/8"	48°	3"	46°	
6	5-1/8"	60°	4-1/2"	46°	
7	6-1/8"	113°	5-1/8"	27°	
8	8-1/8"	60°	4"	67°	
9	7-3/8"	51°			
10	10-3/4"	30°			
11	14-1/4"	24°			

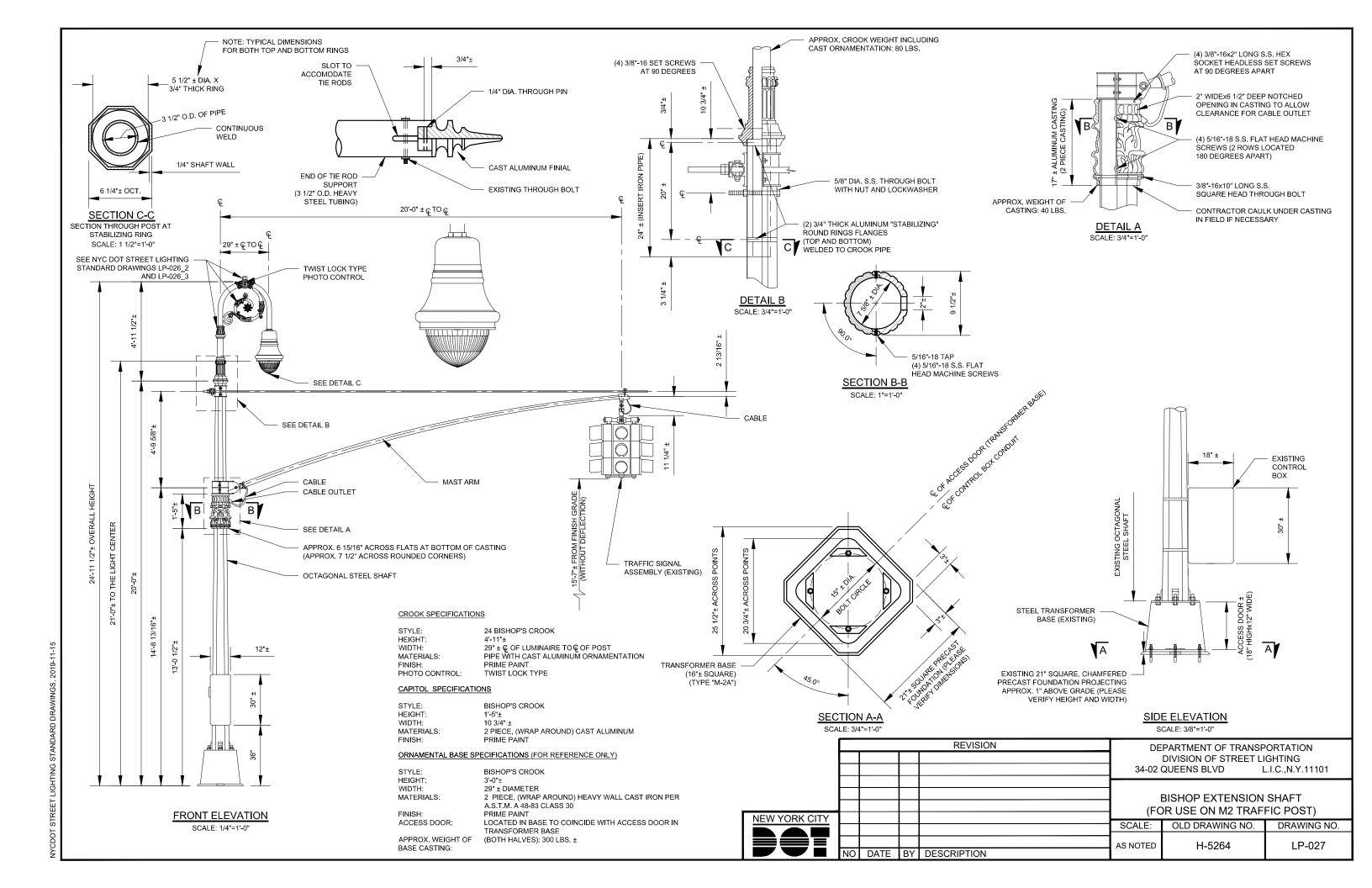
TOLERANCES
ALL TOLERANCES MAY BE PLUS OR MINUS ONE UNIT OF THE FRACTION IN WHICH THE
DIMENSION IS EXPRESSED. AS AN EXAMPLE: IF A DIMENSION IS IN EIGHTHS THE
TOLERANCE MAY BE PLUS OR MINUS ONE EIGHTH INCH. TOLERANCES SHALL NOT BE
CUMULATIVE.

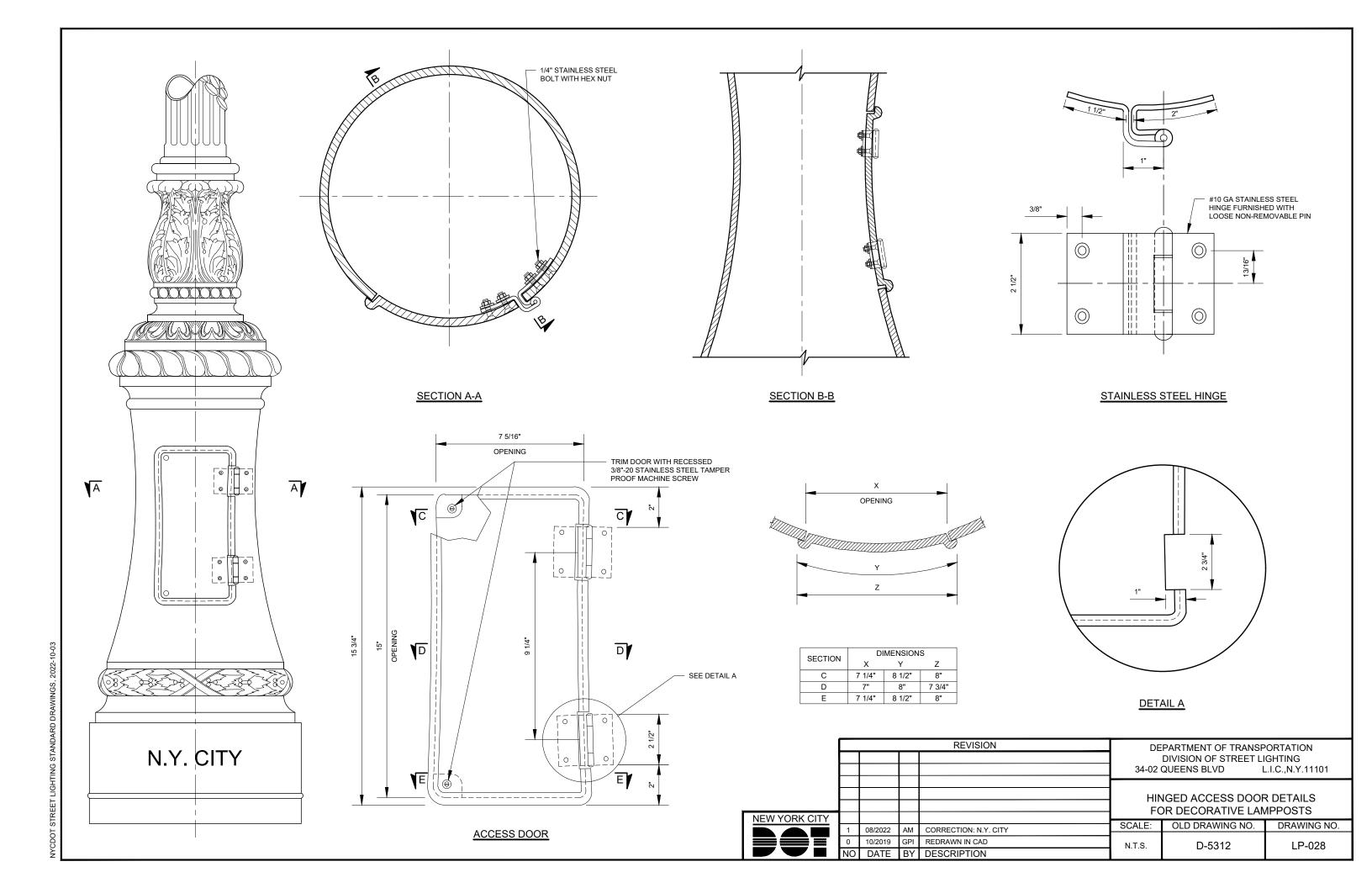
NEW YORK CITY NO DATE BY DESCRIPTION

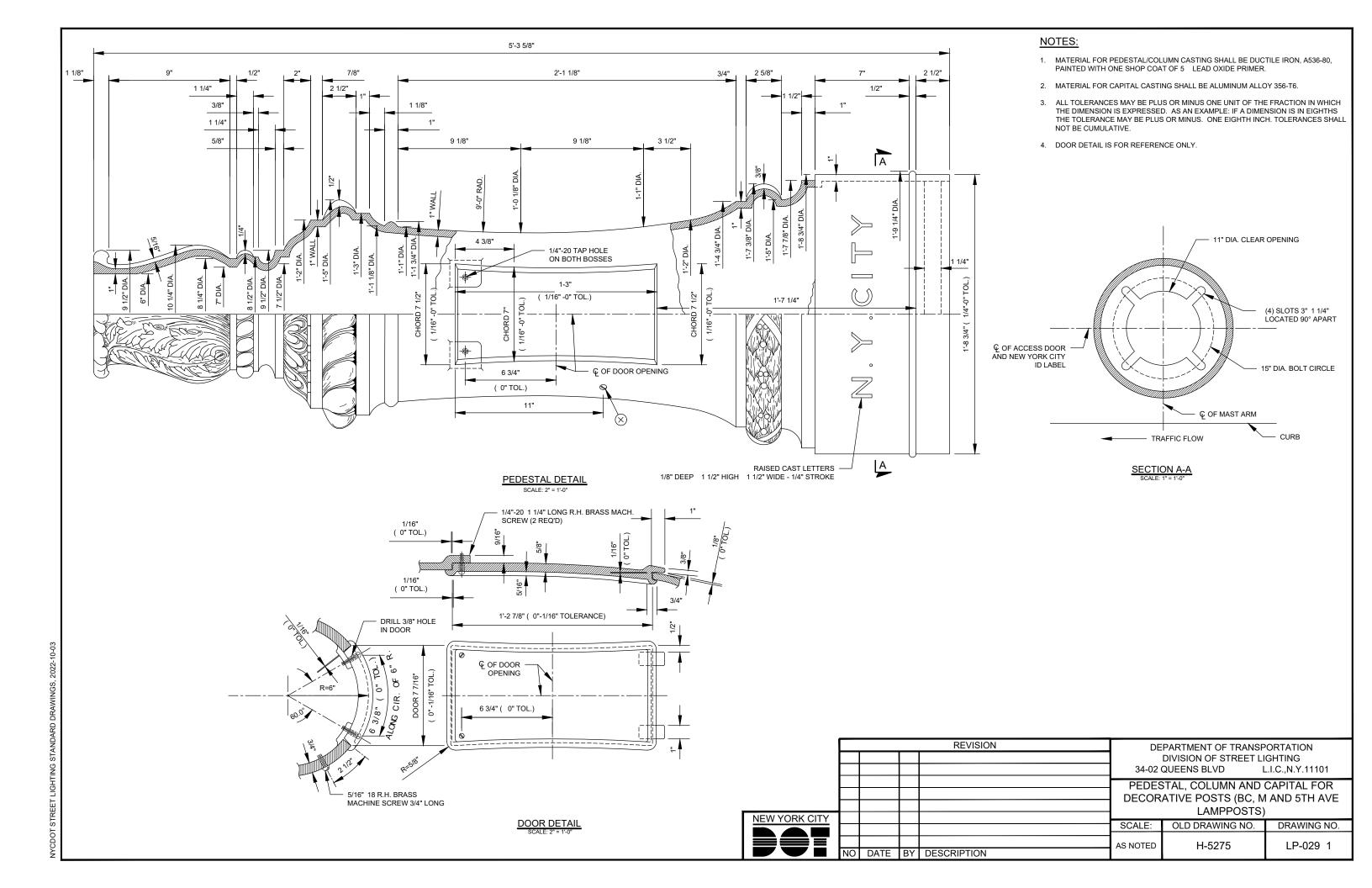
REVISION	DEPARTMENT OF TRANSPORTATION		
	DIVISION OF STRE	ET LIGHTING	
	34-02 QUEENS BLVD	L.I.C.,N.Y.11101	
	BISHOP CROOK	LAMPPOST	

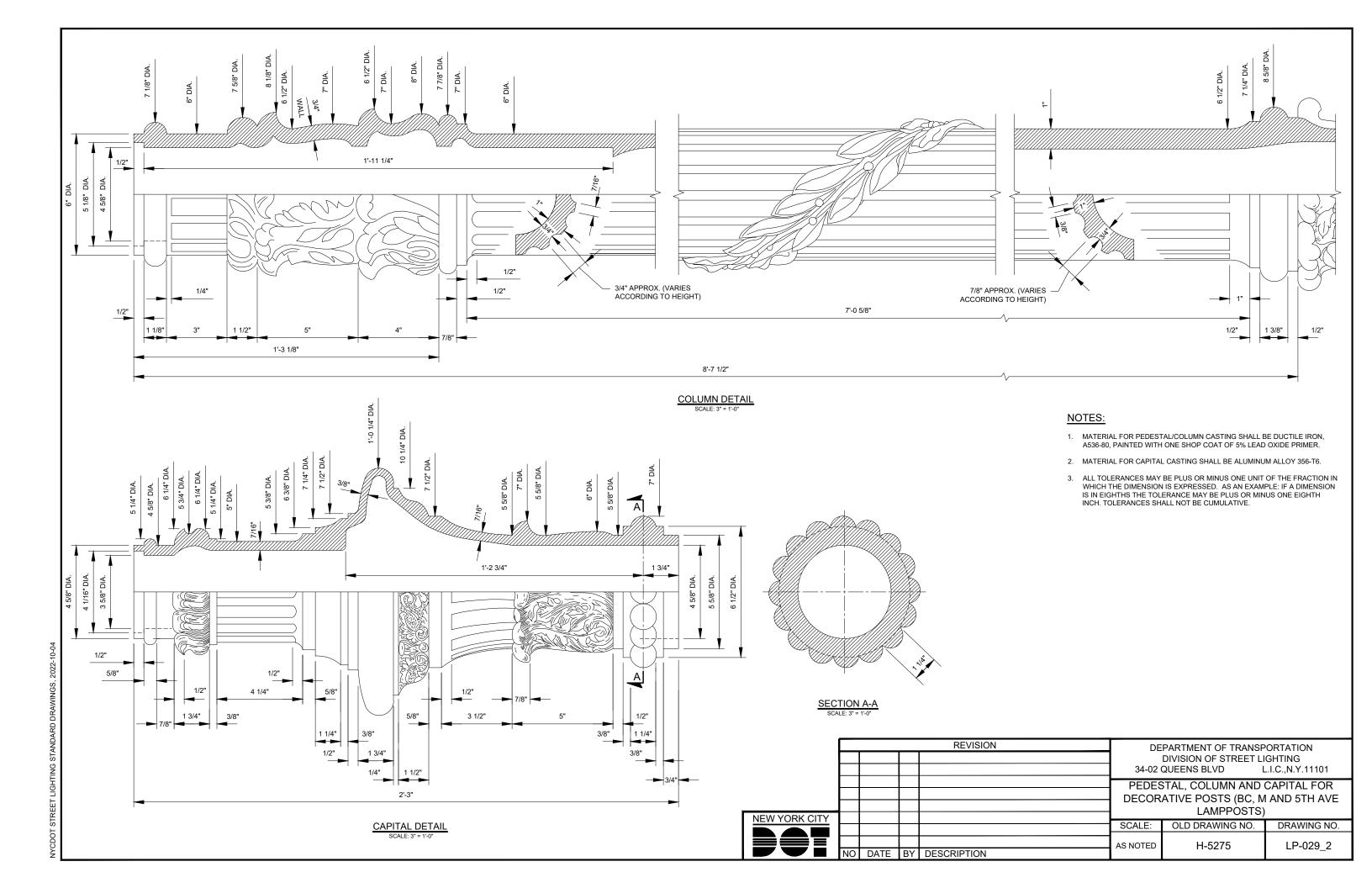
BISHOP CROOK LAMPPOST

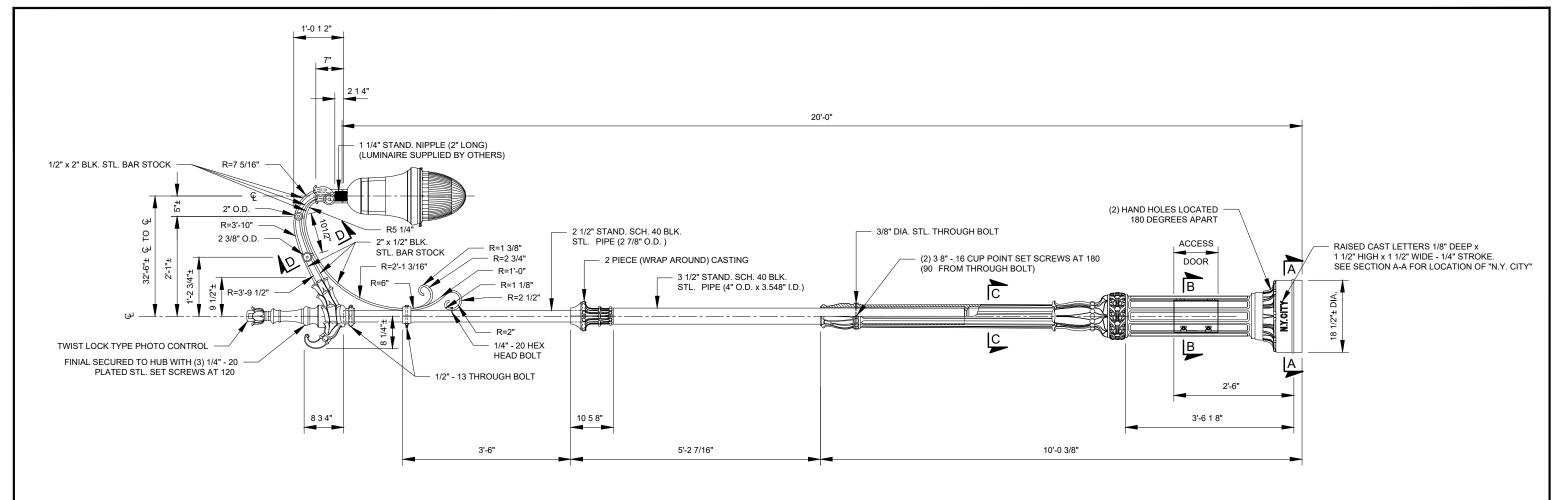
SCALE: OLD DRAWING NO. DRAWING NO. H-5263 LP-026_3 3"=1'-0"











POLE DETAIL

SECTION D-D

SCALE: 3" = 1'-0"

1/2" x 2" BLK. STL.

BAR STOCK

NEW YORK CITY



STYLE: HEIGHT: TYPE F SINGLE

WIDTH: 30"+/- Q OF POST TO Q OF LUMINAIRE MATERIAL: STEEL PIPE WITH BLACK STEEL BAR STOCK AND CAST DUCTILE IRON ORNAMENTATION

FINISH: PRIME PAINT, SHERWIN WILLIAMS 2 PART RECOATABLE EPOXY PRIMER (B67H5 - PART G AND B67V5 - PART H)

LAMP POST SPECIFICATIONS:

STYLE:

HEIGHT: 17'-10 1/2" DIAMETER 18 1/2" DIAMETER

MATERIAL: 1 PIECE, HEAVY WALL CAST IRON PER

A.S.T.M. A 48-83 CLASS 30

PRIME PAINT, SHERWIN WILLIAMS 2 PART RECOATABLE EPOXY PRIMER (B67H5 - PART G AND B67V5 - PART H) FINISH:

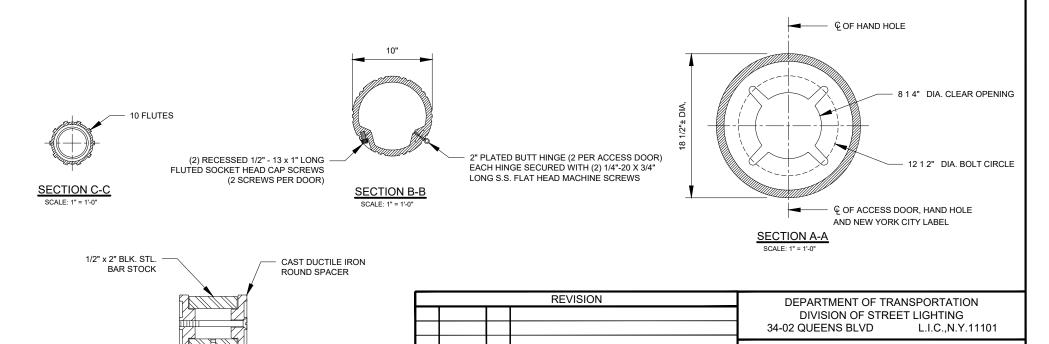
LOCATED IN BASE ACCESS DOOR:

GROUND STUD PROVISIONS: DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO ACCOMMODATE A 1/4"-20 GROUND

STUD (GROUND STUD SUPPLIED BY OTHERS)

ANCHOR BOLTS: (4) 1" X 30" + 4" HOOK (FULLY GALVANIZED WITH 1 GÁLVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)

BOLT PROJECTION: 3" REQUIRED



BY DESCRIPTION

DATE

TYPE F LAMPPOST, WITH SINGLE ARM

DRAWING NO.

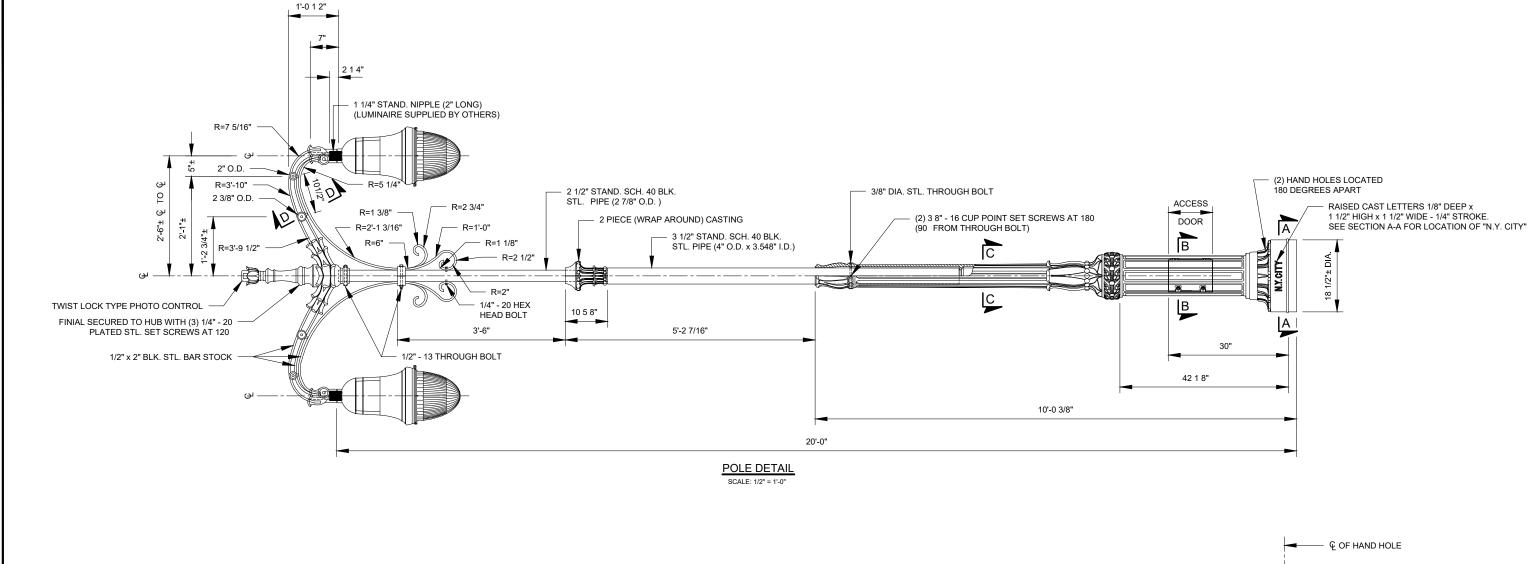
LP-030_1

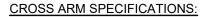
OLD DRAWING NO.

H-5296

SCALE:

AS NOTED





STYLE: TYPE F SINGLE

HEIGHT:

30"+/- € OF POST TO € OF LUMINAIRE MATERIAL: STEEL PIPE WITH BLACK STEEL BAR STOCK AND CAST DUCTILE IRON ORNAMENTATION

PRIME PAINT, SHERWIN WILLIAMS 2 PART RECOATABLE EPOXY PRIMER (B67H5 - PART G AND B67V5 - PART H) FINISH:

LAMP POST SPECIFICATIONS:

STYLE:

HEIGHT: 17'-10 1/2" DIAMETER BASE:

18 1/2" DIAMETER 1 PIECE, HEAVY WALL CAST IRON PER A.S.T.M. A 48-83 CLASS 30 MATERIAL:

PRIME PAINT, SHERWIN WILLIAMS 2 PART RECOATABLE EPOXY PRIMER (B67H5 - PART G AND B67V5 - PART H)

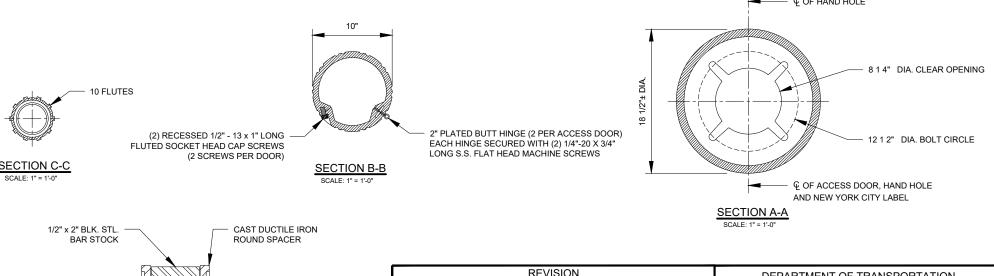
ACCESS DOOR: LOCATED IN BASE

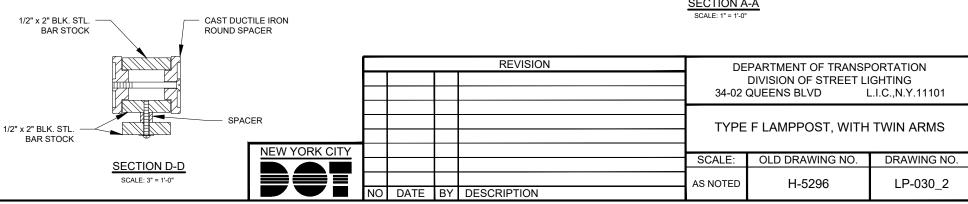
GROUND STUD PROVISIONS: DRILL AND TAP INSIDE WALL OF BASE OPPOSITE

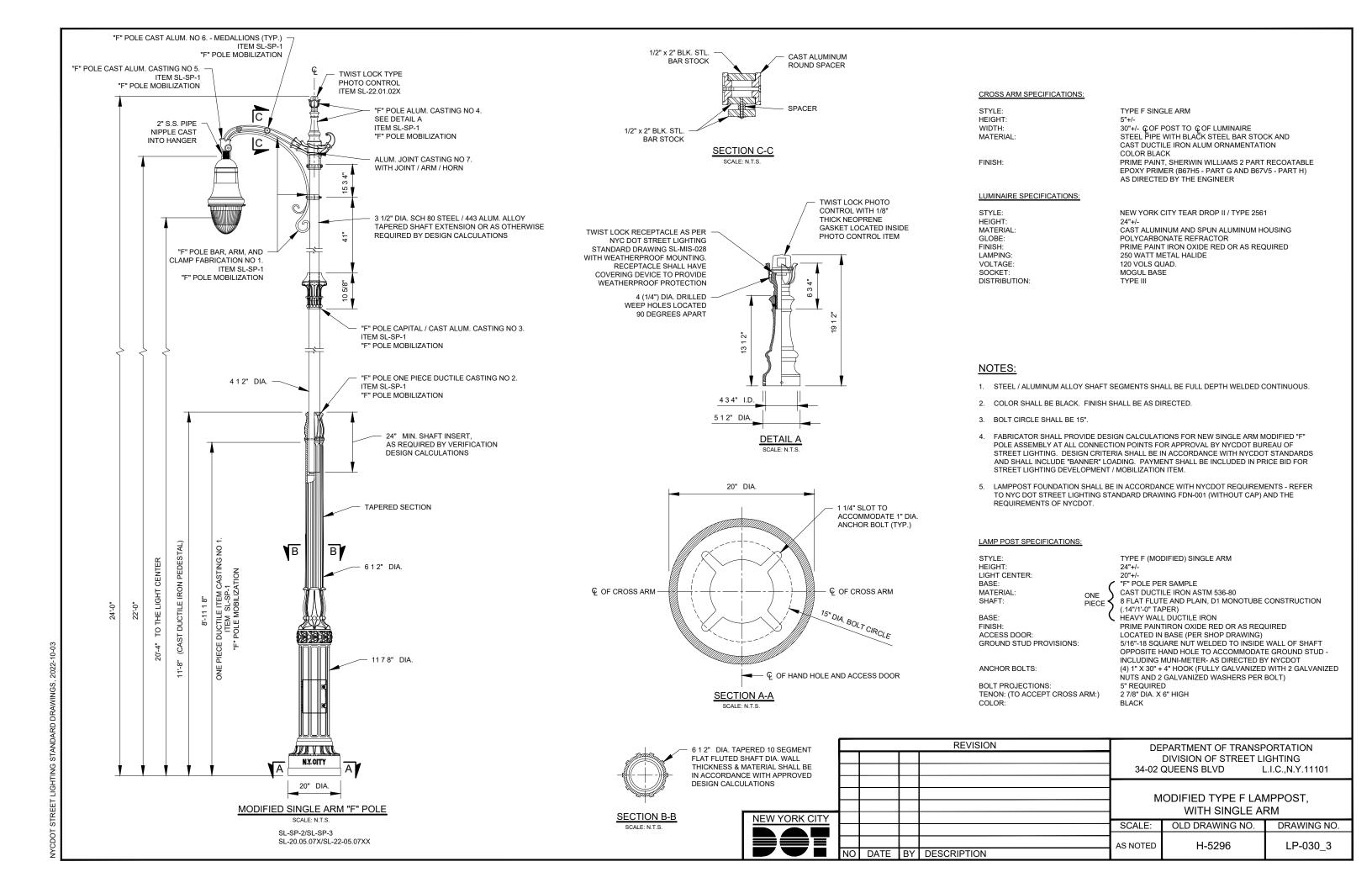
ACCESS DOOR TO ACCOMMODATE A 1/4"-20 GROUND STUD (GROUND STUD SUPPLIED BY OTHERS) (4) 1" X 30" + 4" HOOK (FULLY GALVANIZED WITH 1

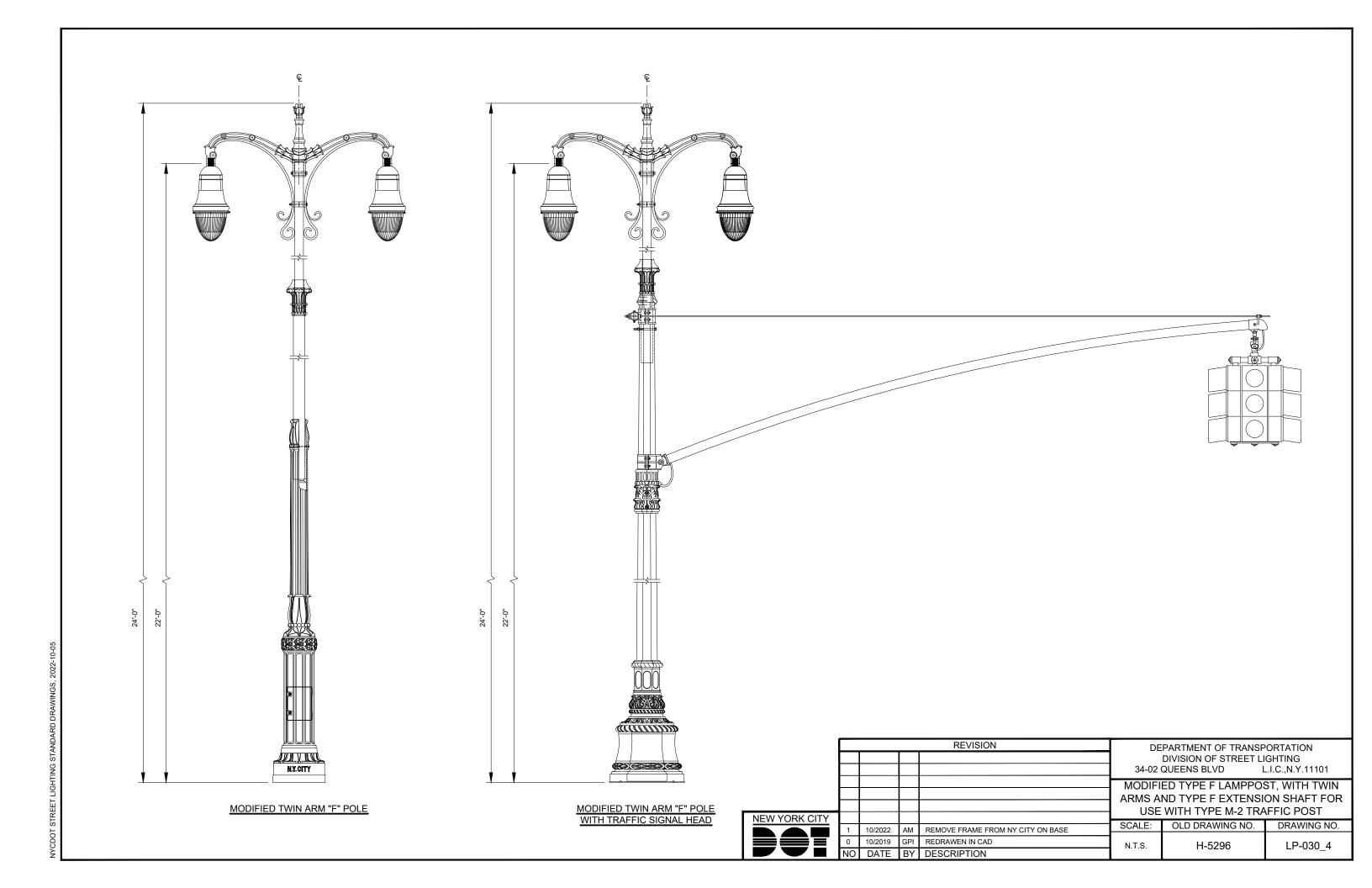
ANCHOR BOLTS: GALVANIZED NUT AND 1 GALVANIZED WASHER PER BOLT)

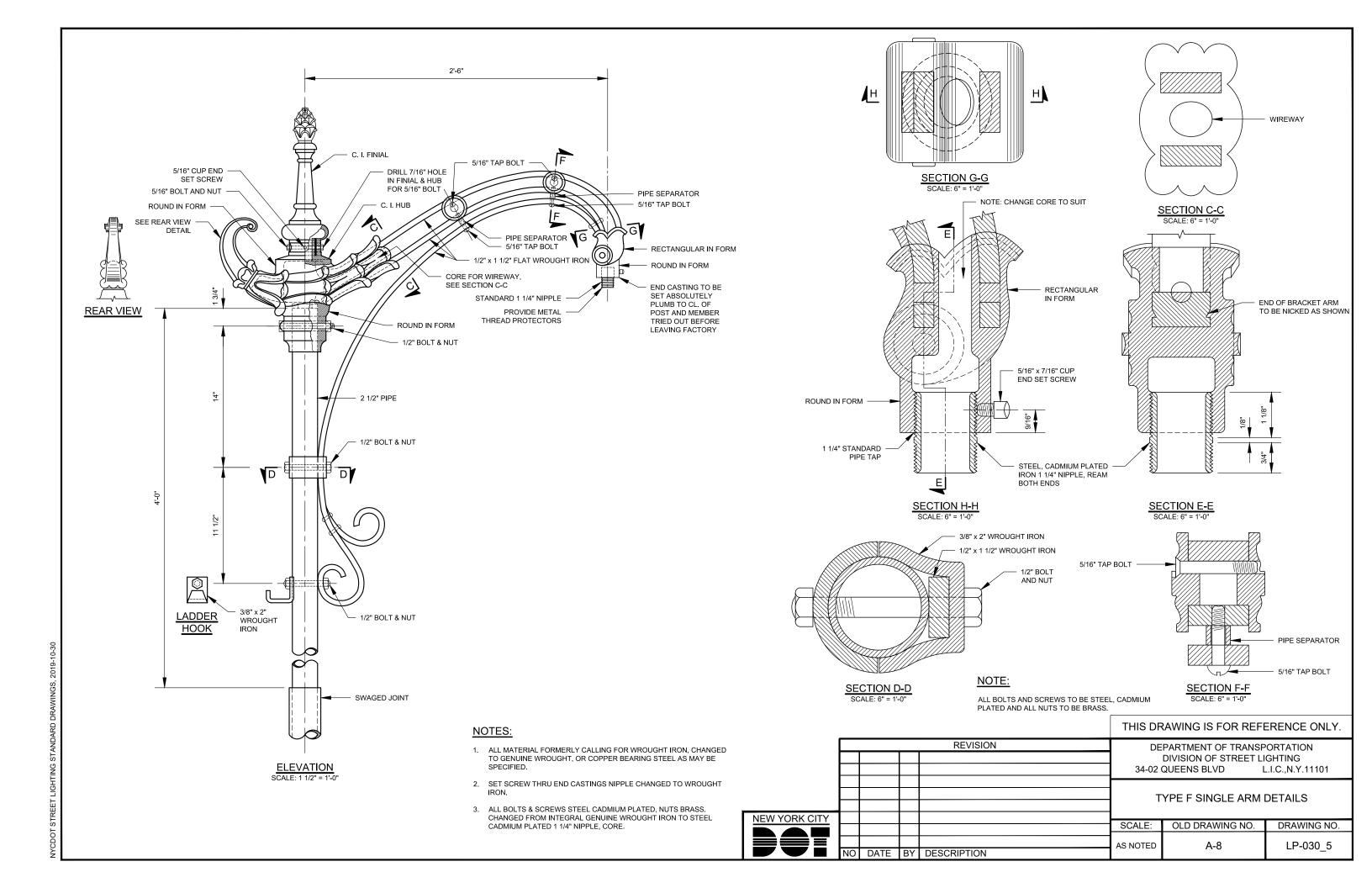
BOLT PROJECTION:

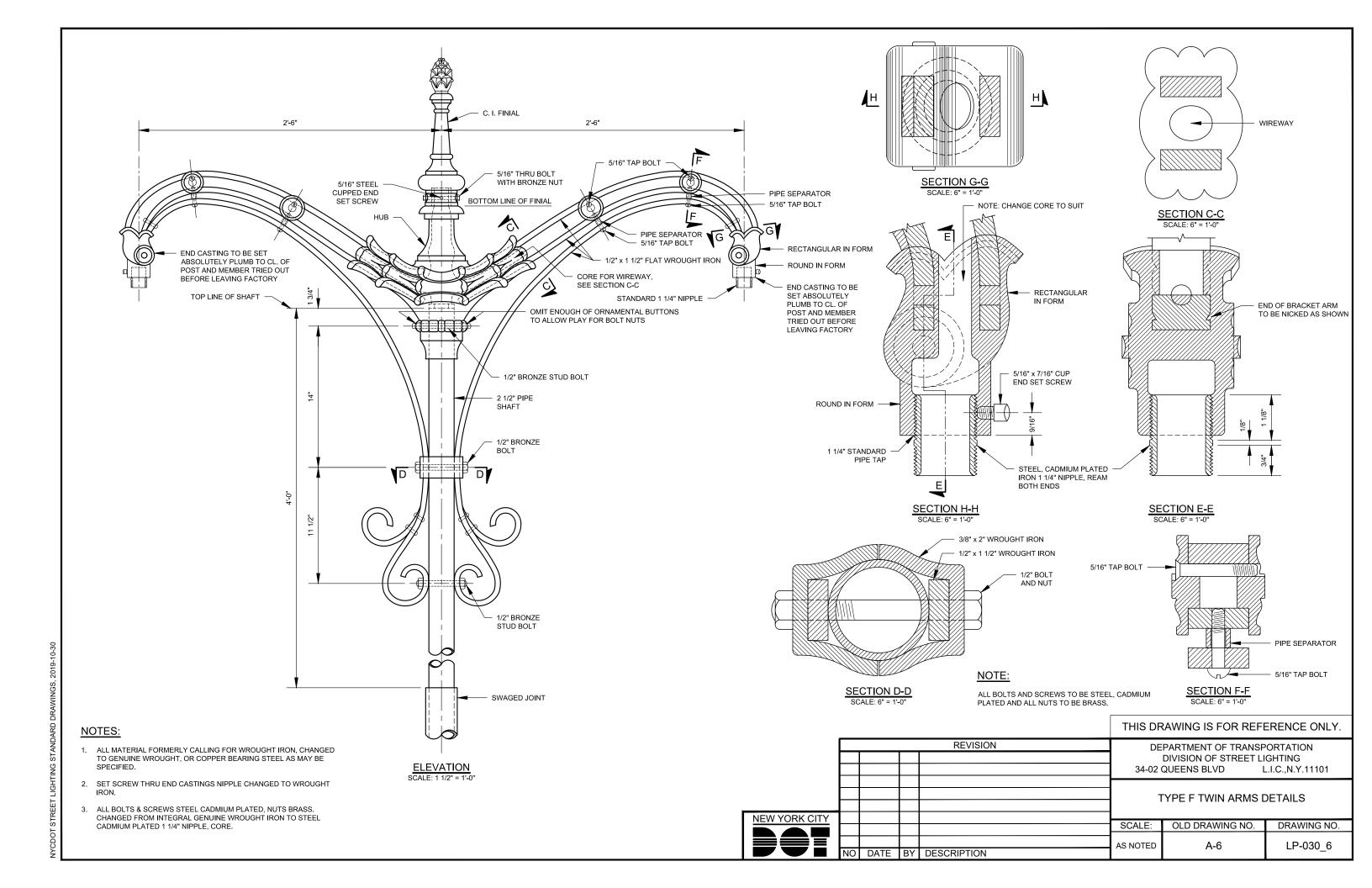


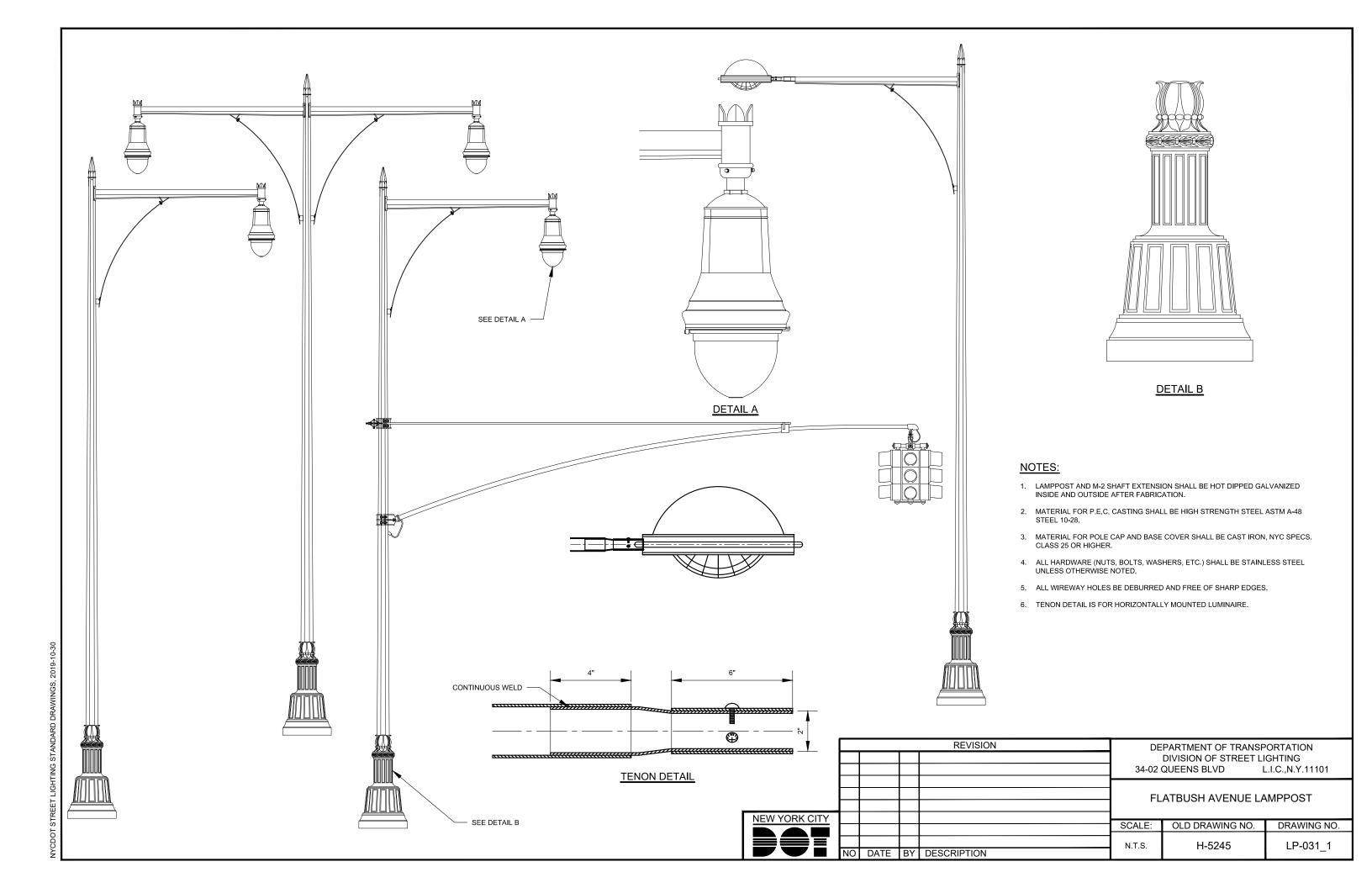


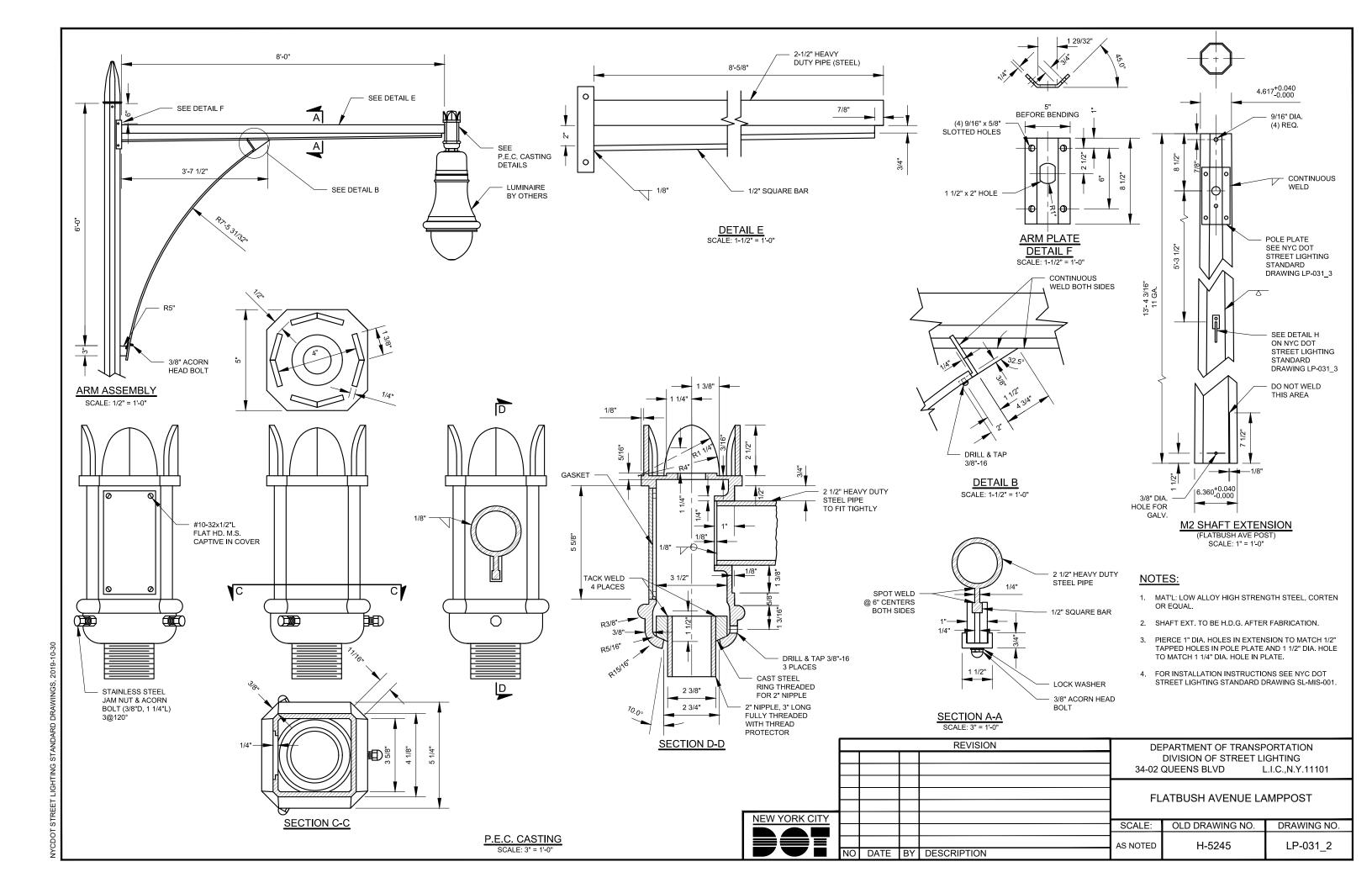


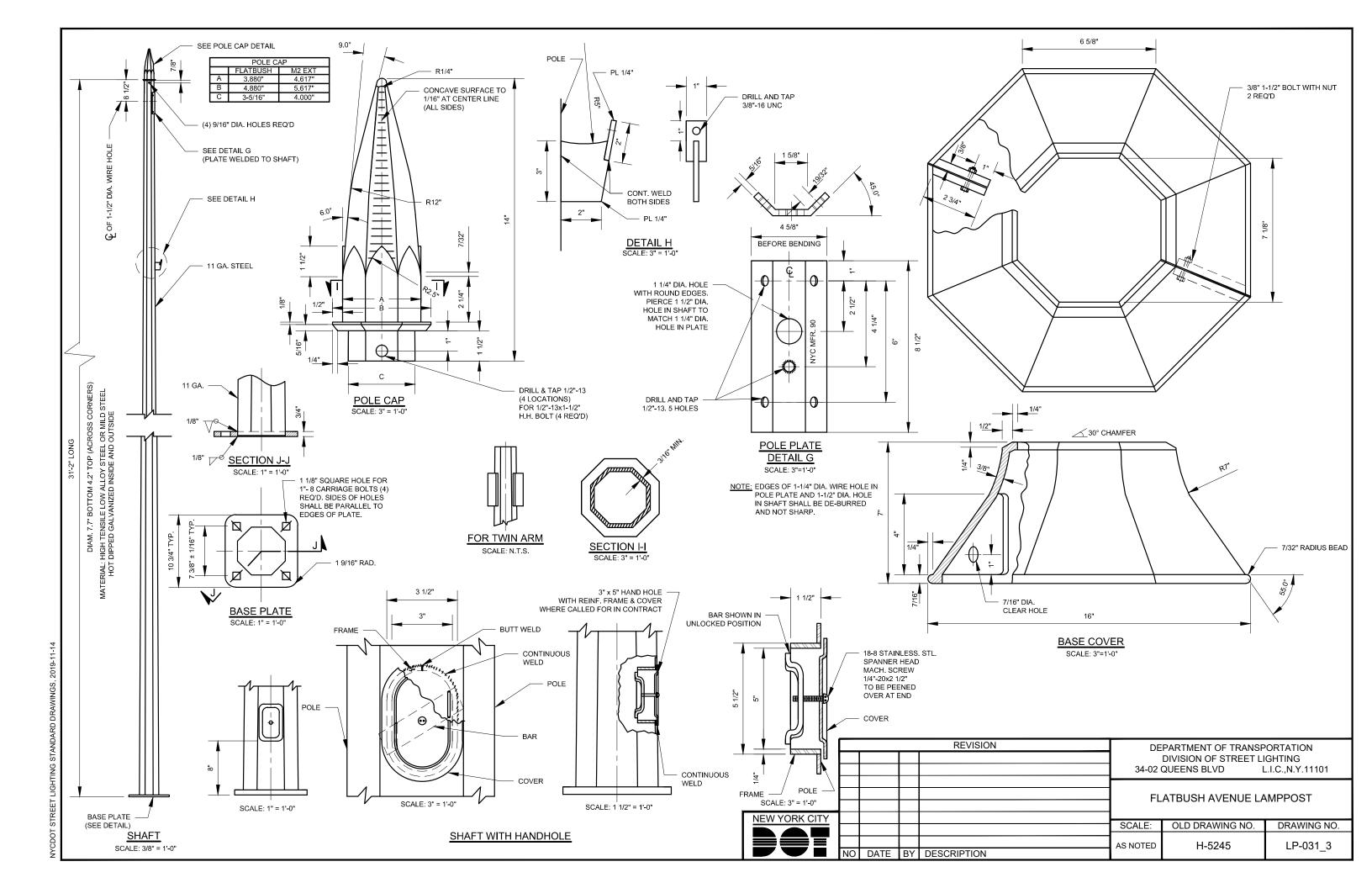


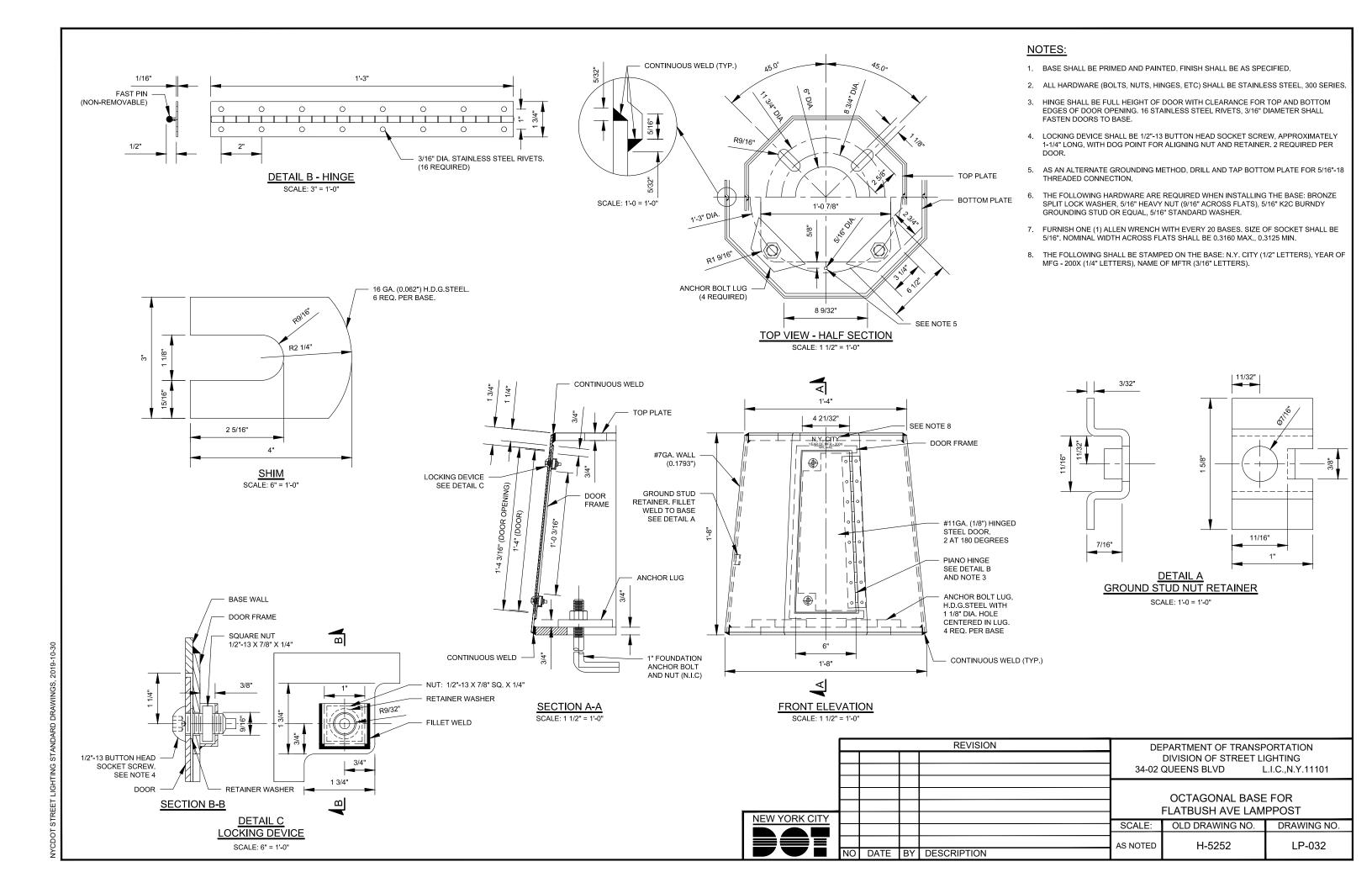


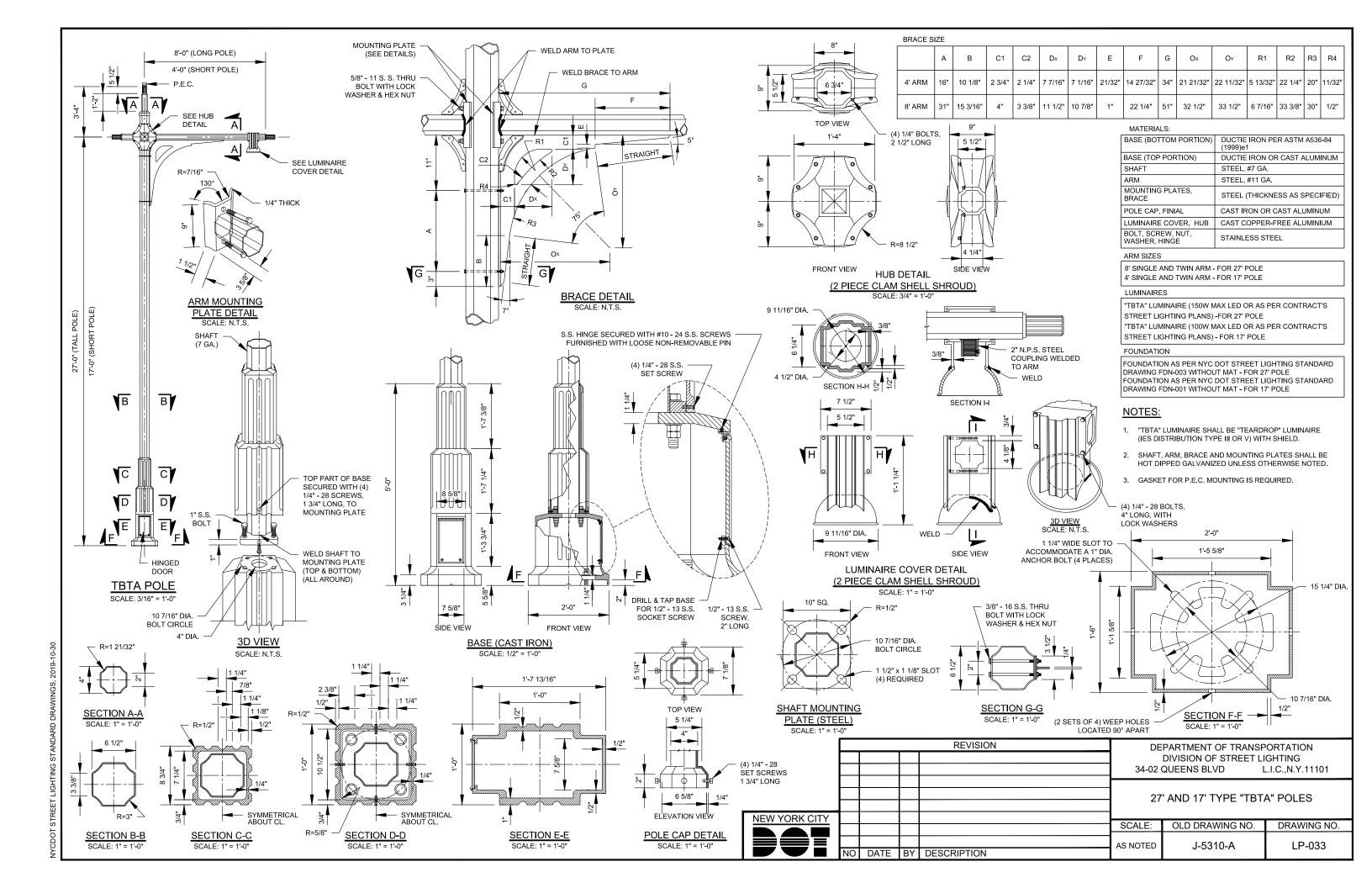


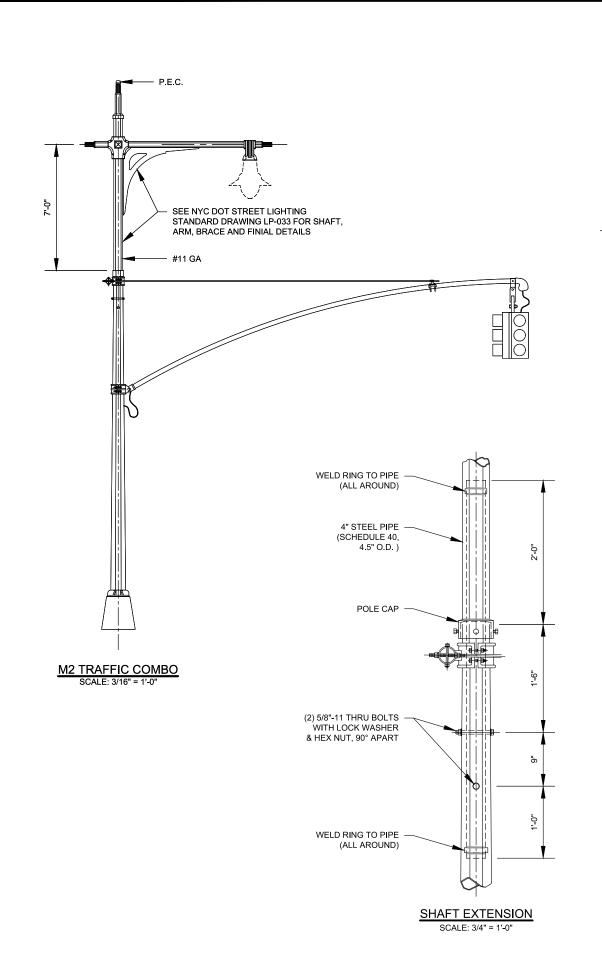


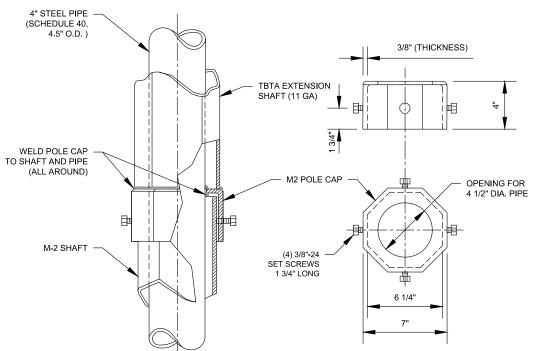












M2 POLE CAP DETAIL (CAST STEEL)

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

MATERIALS:

SHAFT EXTENSION	STEEL, #11 GA.
M-2 POLE CAP	CAST STEEL, 3/8" THICKNESS
BOLT, SCREW, NUT, WASHER, HINGE	STAINLESS STEEL

ARM SIZES

8' SINGLE AND TWIN ARM

LUMINAIRES

"TBTA" LUMINAIRE (150W MAX LED OR AS PER CONTRACT'S STREET LIGHTING PLANS)

NOTES:

- "TBTA" LUMINAIRE SHALL BE "TEARDROP" LUMINAIRE
 (IES DISTRIBUTION TYPE III OR V) WITH SHIELD.
- SHAFT EXTENSION, ARM, BRACE AND MOUNTING PLATES
 SHALL BE HOT DIPPED GALVANIZED UNLESS OTHERWISE
 NOTED.
- 3. GASKET FOR P.E.C. MOUNTING IS REQUIRED.

REVISION

DEPARTMENT OF TRANSPORTATION
DIVISION OF STREET LIGHTING
34-02 QUEENS BLVD

L.I.C.,N.Y.11101

TBTA M-2 SHAFT EXTENSION

NEW YORK CITY

SCALE: OLD DRAWING NO. DRAWING NO.

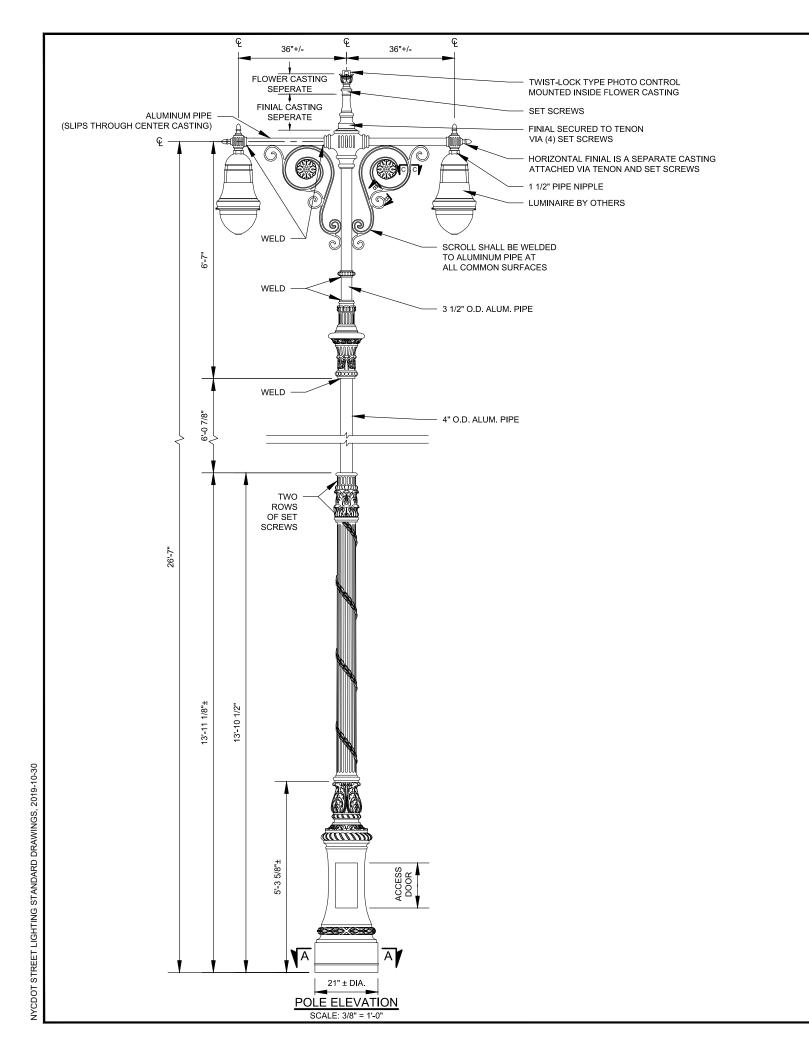
DATE BY DESCRIPTION

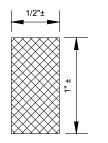
AS NOTED

J-5310-B

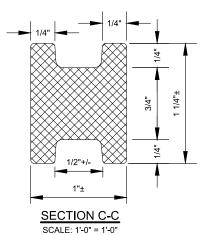
LP-034

NYCDOT STREET LIGHTING STANDARD DRAWINGS, 2





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



CROSS ARM SPECIFICATIONS

STYLE: HEIGHT: BISHOP'S CROOK "T"-TYPE

72" © OF LUMINAIRE TO © OF LUMINAIRE ALUMINUM PIPE WITH CAST ALUMINUM ORNAMENTATION WIDTH:

MATERIAL:

PRIME PAINT IRON OXIDE RED

LAMP POST SPECIFICATIONS

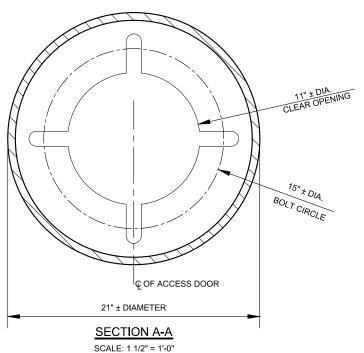
STYLE: HEIGHT: BASE: 24 BISHOP'S CROOK 13' - 11 1/8" 21"± DIAMETER

MATERIAL: 1 PIECE, HEAVY WALL CAST IRON PER

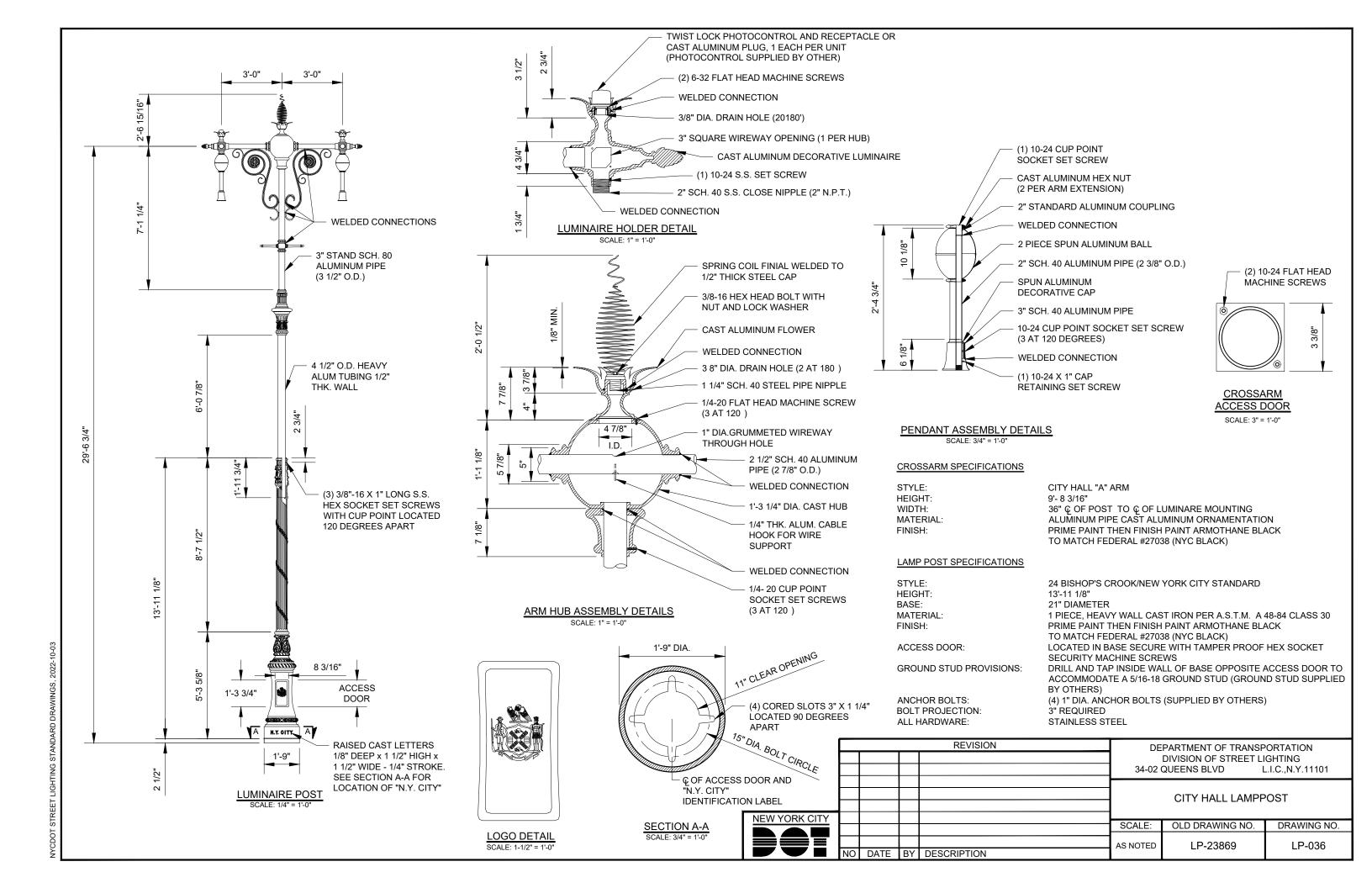
A.S.T.M. A 48-83 CLASS 30 FINISH: PRIME PAINT IRON OXIDE RED

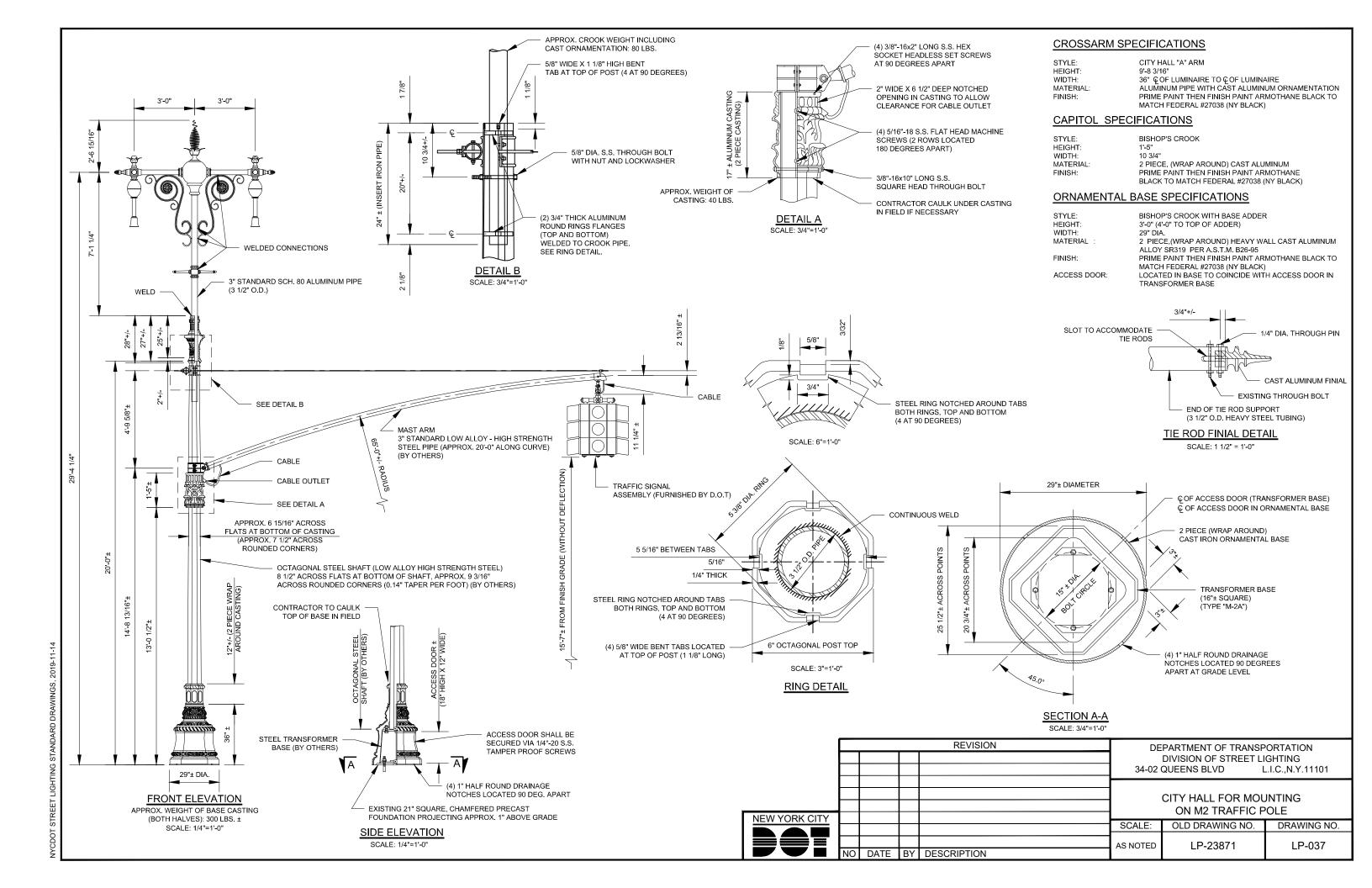
ACCESS DOOR: LOCATED IN BASE ANCHOR BOLTS: BOLT PROJECTION: (4) 1" DIA. BY OTHERS

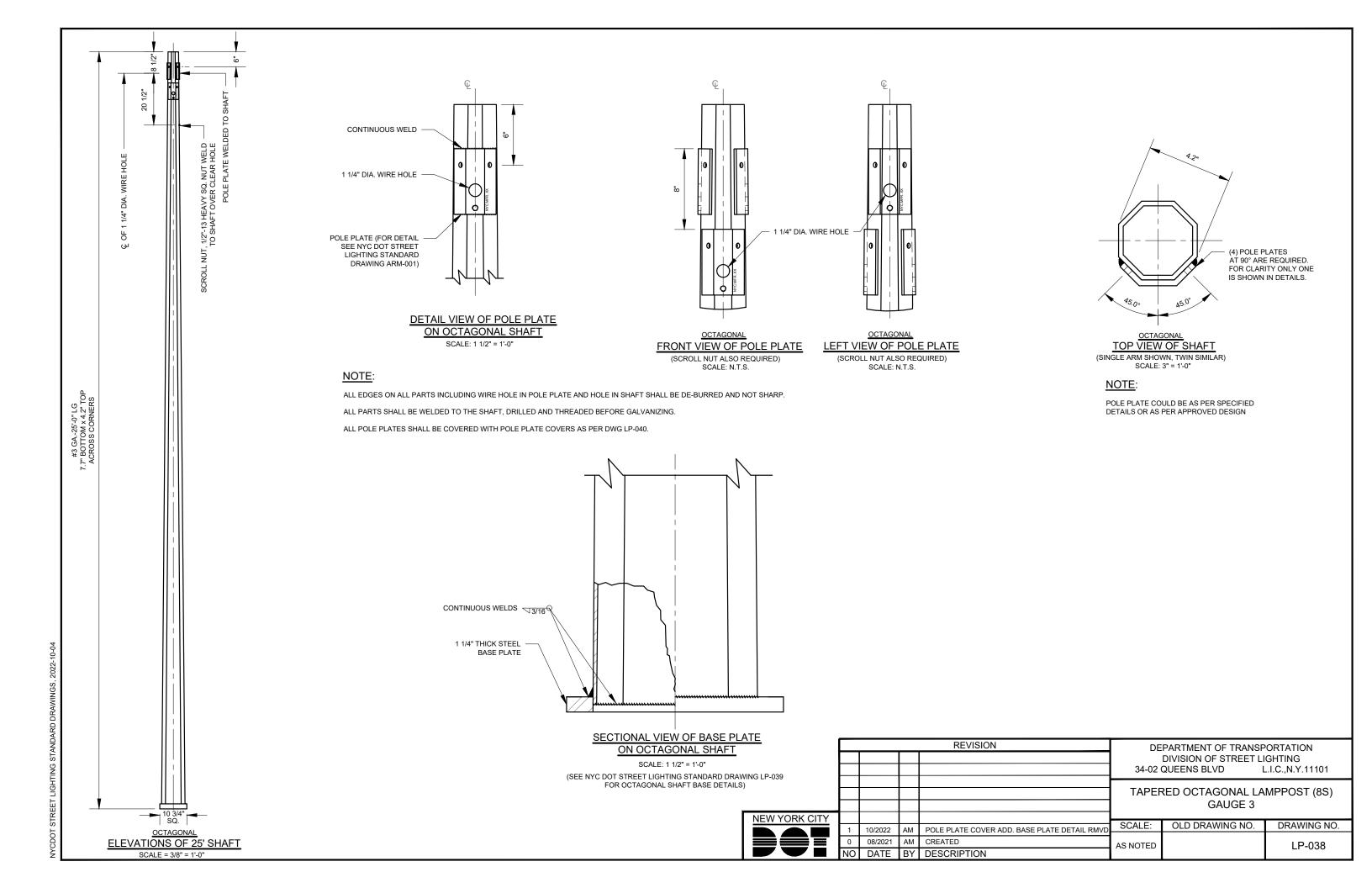
4" REQUIRED

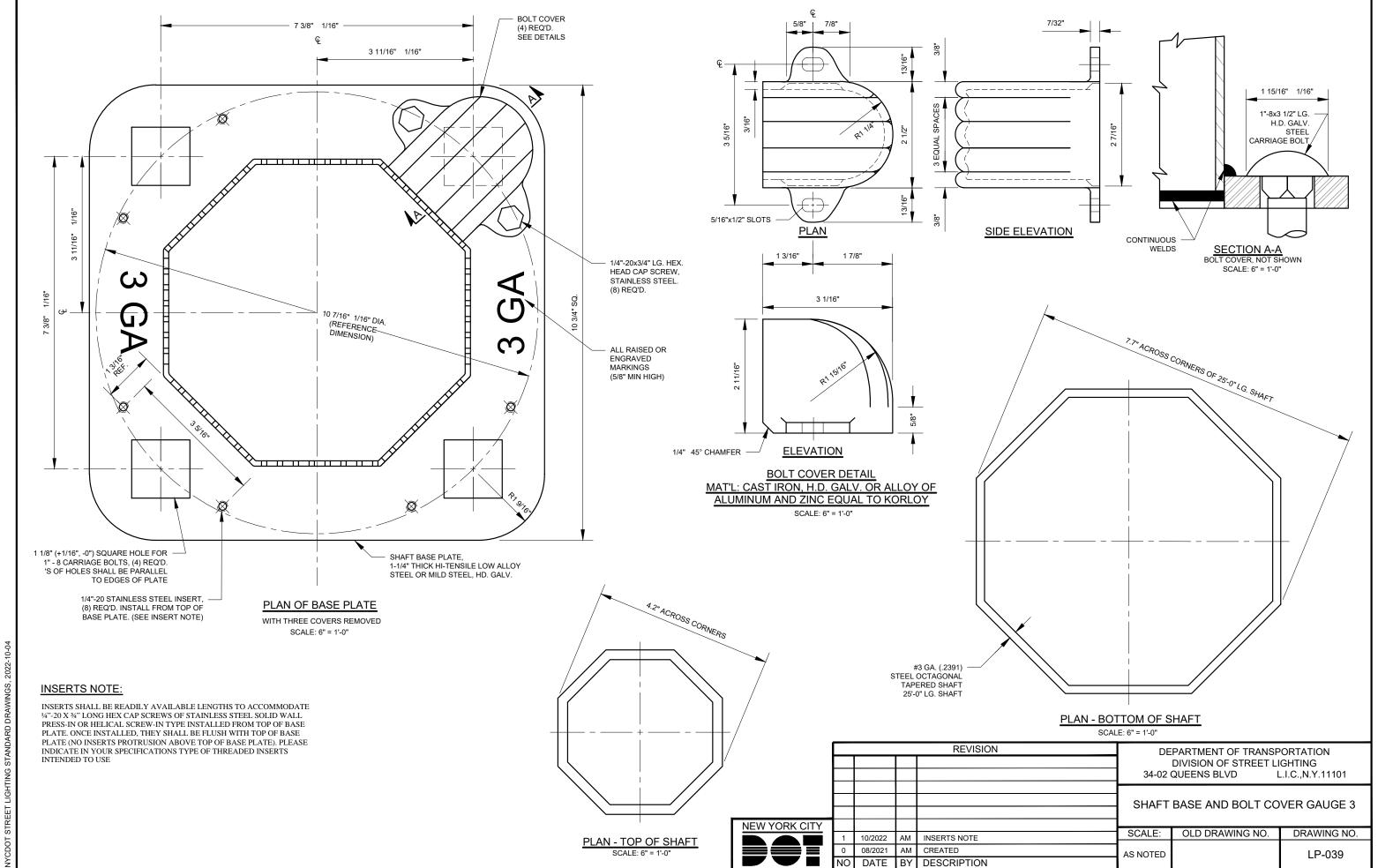


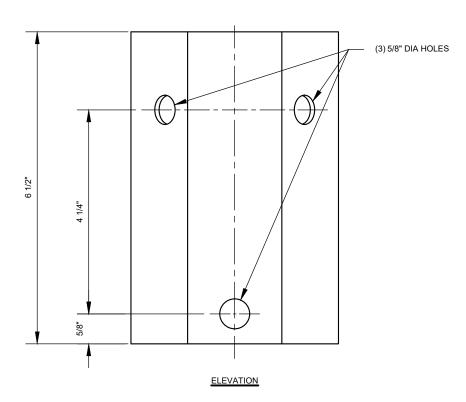
				REVISION		PARTMENT OF TRANSF DIVISION OF STREET LI QUEENS BLVD L	
RK CITY					5TH AVE LAMPPOST		
KK CITT					SCALE:	OLD DRAWING NO.	DRAWING NO.
	NO	DATE	BY	DESCRIPTION	AS NOTED	LP-23582	LP-035











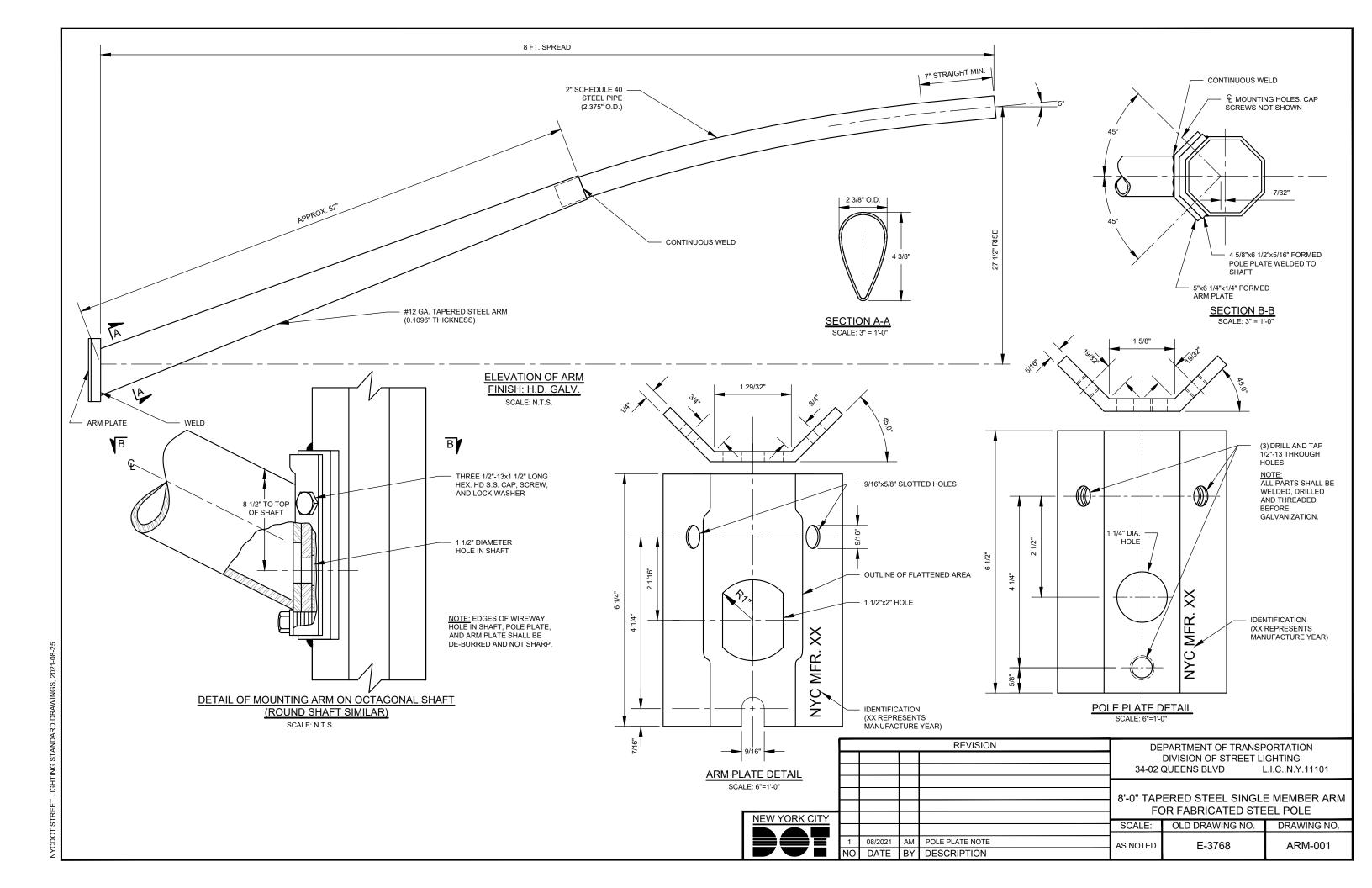
NOTE:

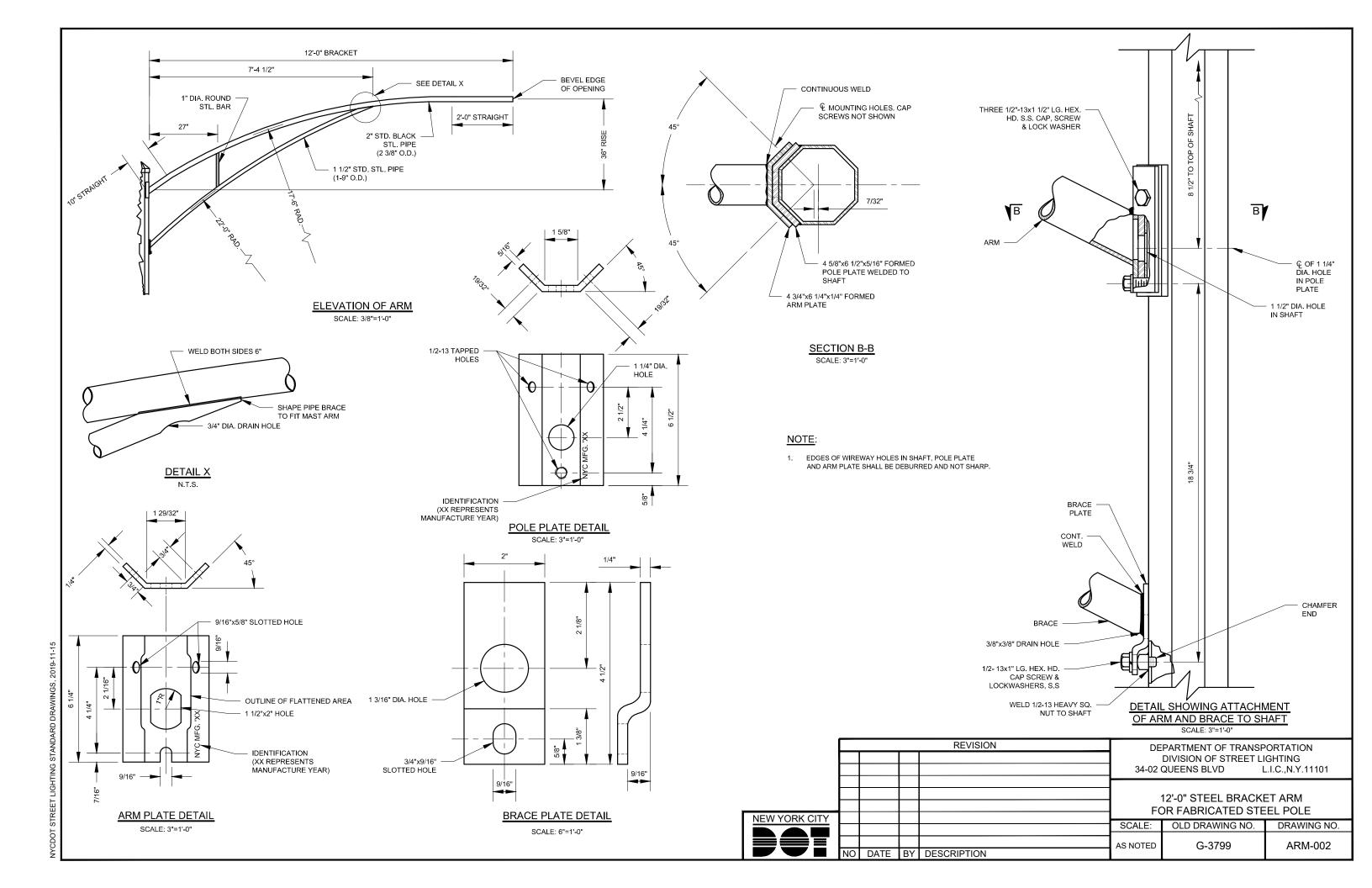
- 1. POLE PLATE SHALL BE 13 GA GALVANIZED STEEL.
- 1/8" THICK RUBBER GASKET SHALL BE PERMANENTLY ATTACHED TO THE INSIDE OF THE POLE PLATE COVER.
- 3. (3) 1/2"-13X1/2" LONG STAINLESS STEEL HEX HEAD CAP SCREWS SHALL BE USED TO AFFIX POLE PLATE AND RUBBER GASKET TO THE POLE. ANTI-SEIZE COMPOUND SHALL BE APPLIED ON CLEAN AND FREE FROM OIL, GREASE OR CONTAMINATION THREADS.
- 4. EACH POLE PLATE SHALL BE COVERED.

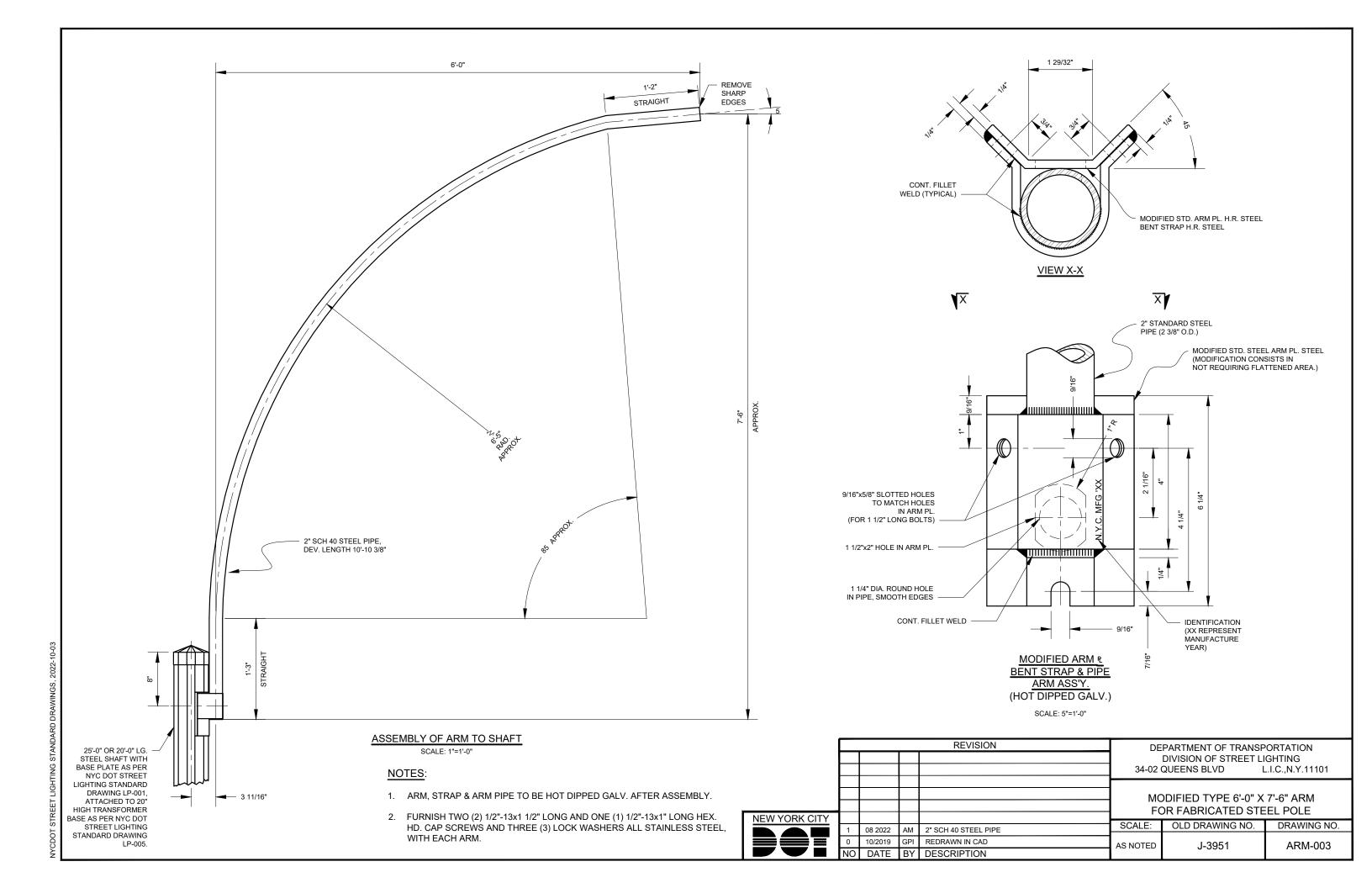
POLE PLATE COVER DETAIL

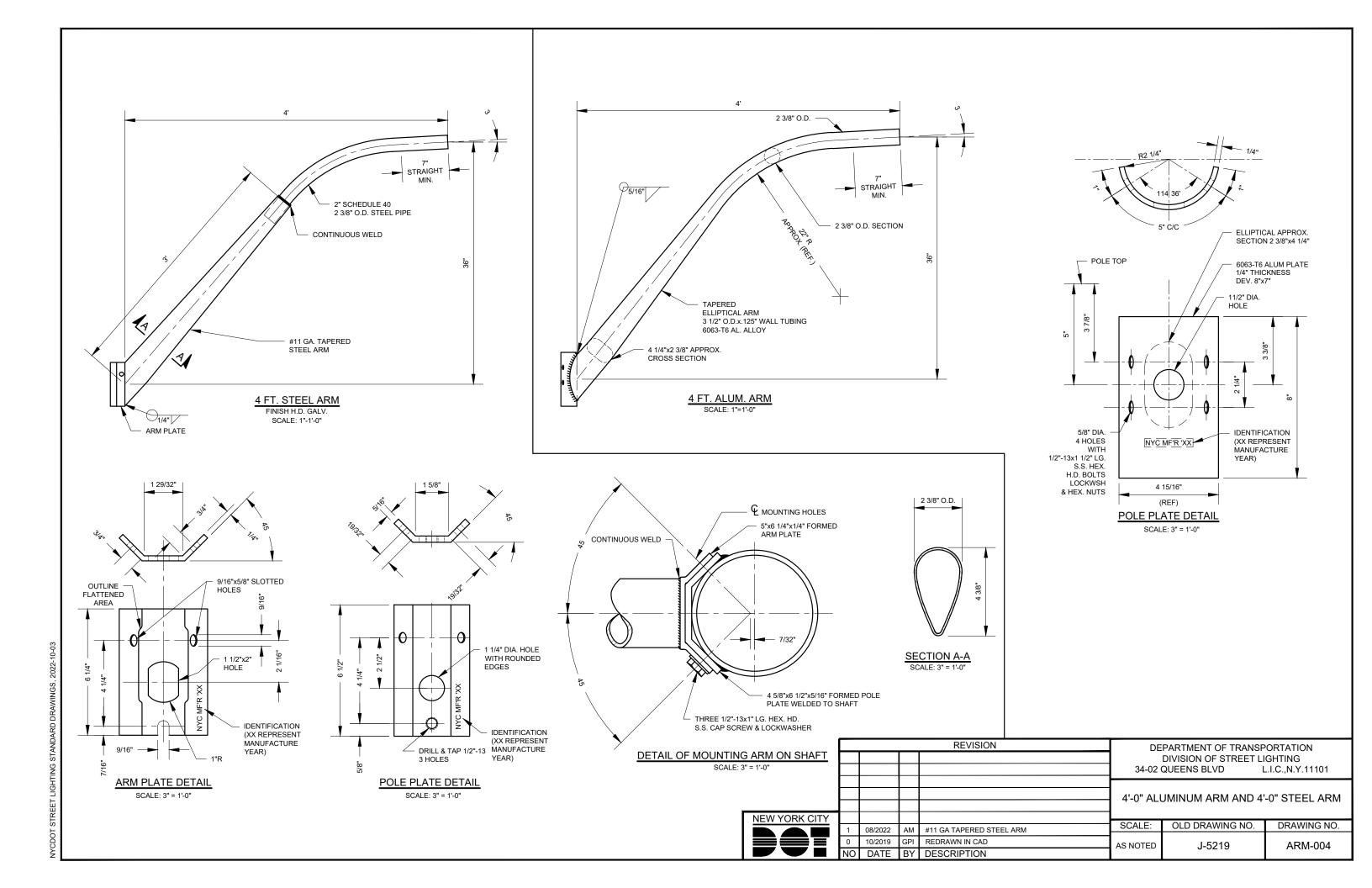
	REVISION					DEPARTMENT OF TRANSPORTATION			
						DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101			
						POLE PLATE COVER DETAIL FOR TAPERED OCTAGONAL LAMPPOST (8S)			
NEW YORK CITY						SCALE:	OLD DRAWING NO.	DRAWING NO.	
	0	10/2021	AM	CREATED		6"=1'-0"		LP-040	
	NO	DATE	BY	DESCRIPTION				-: 0:0	

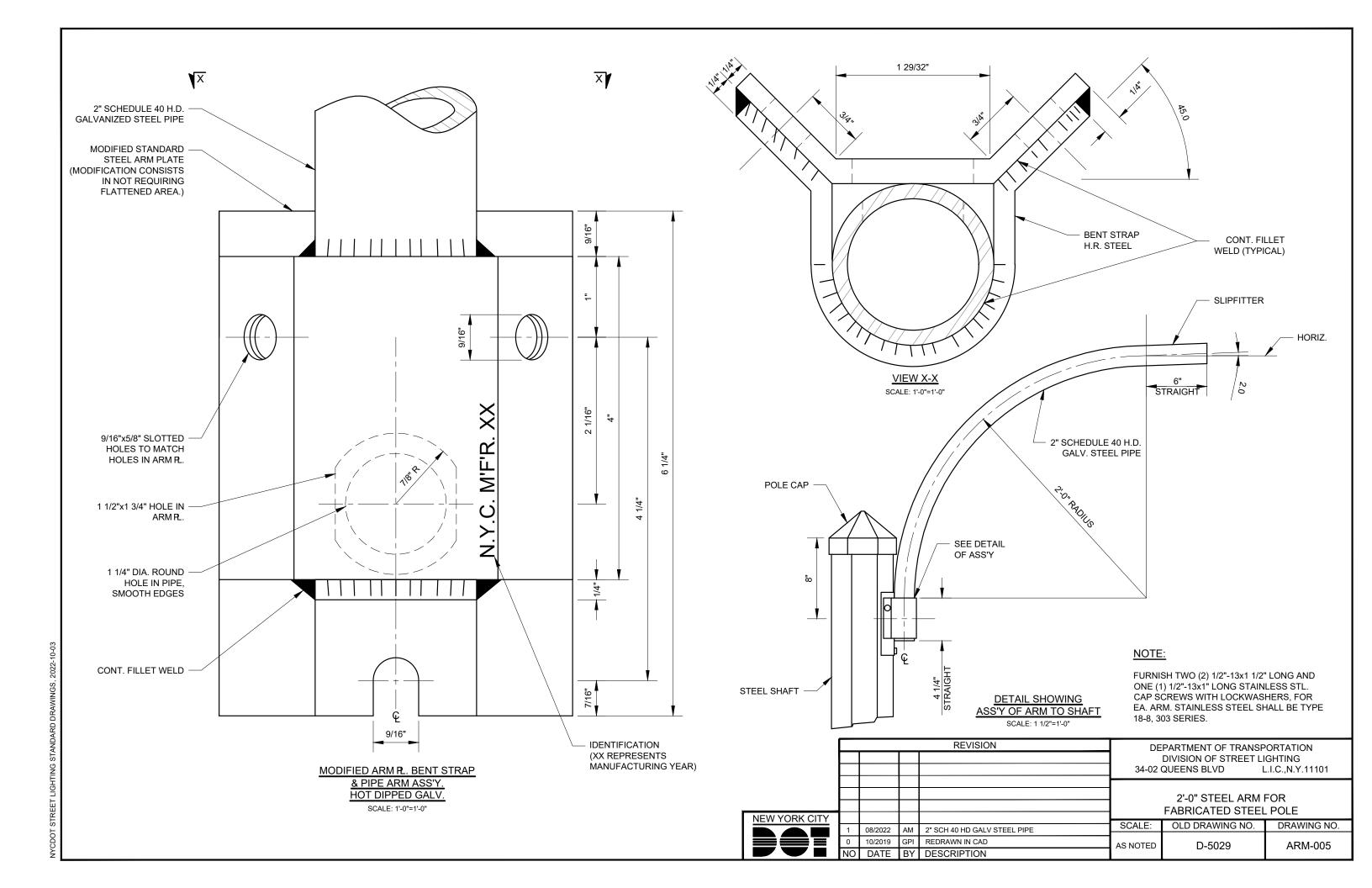
STREET LIGHTING ARMS DRAWINGS

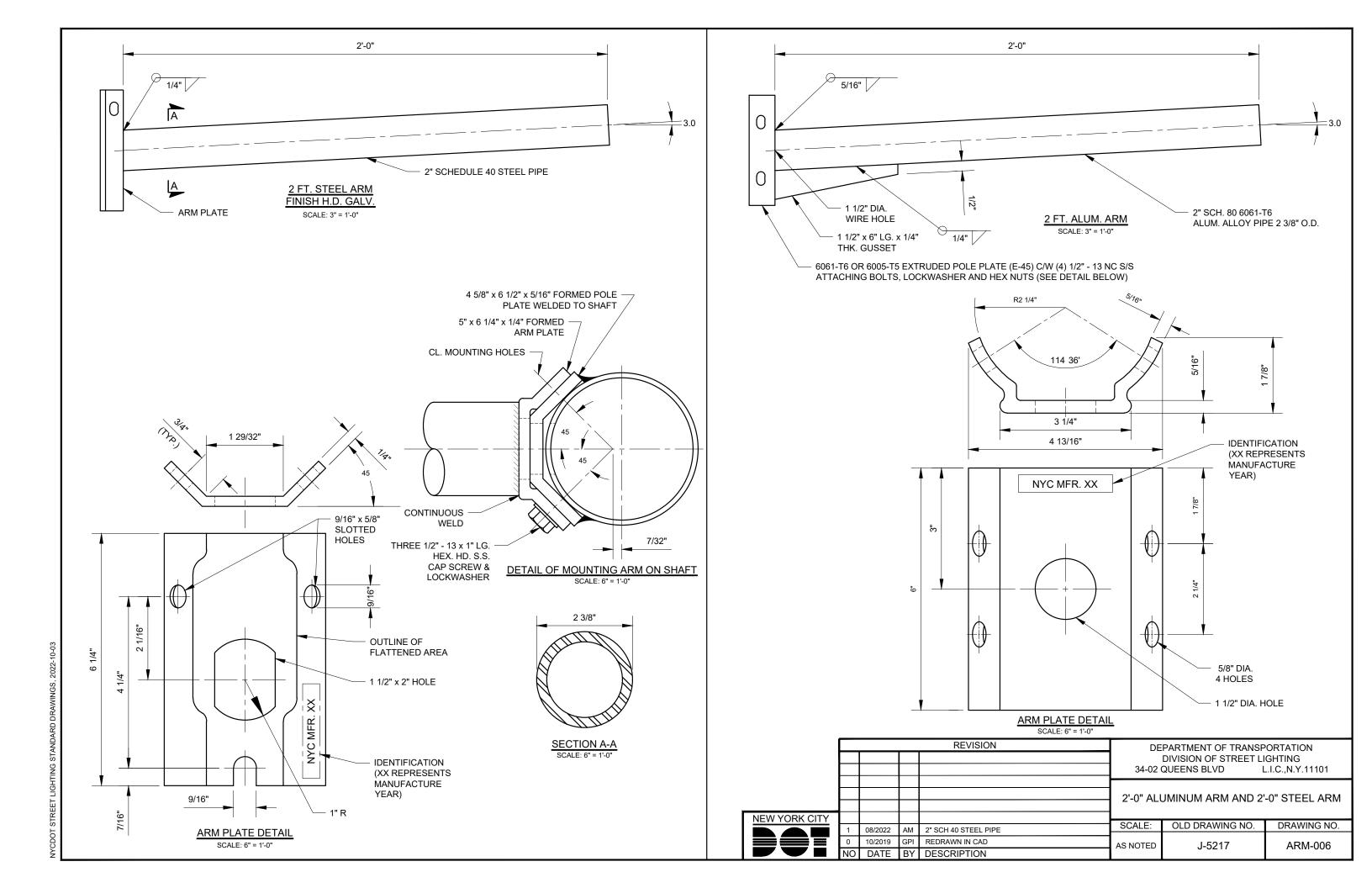


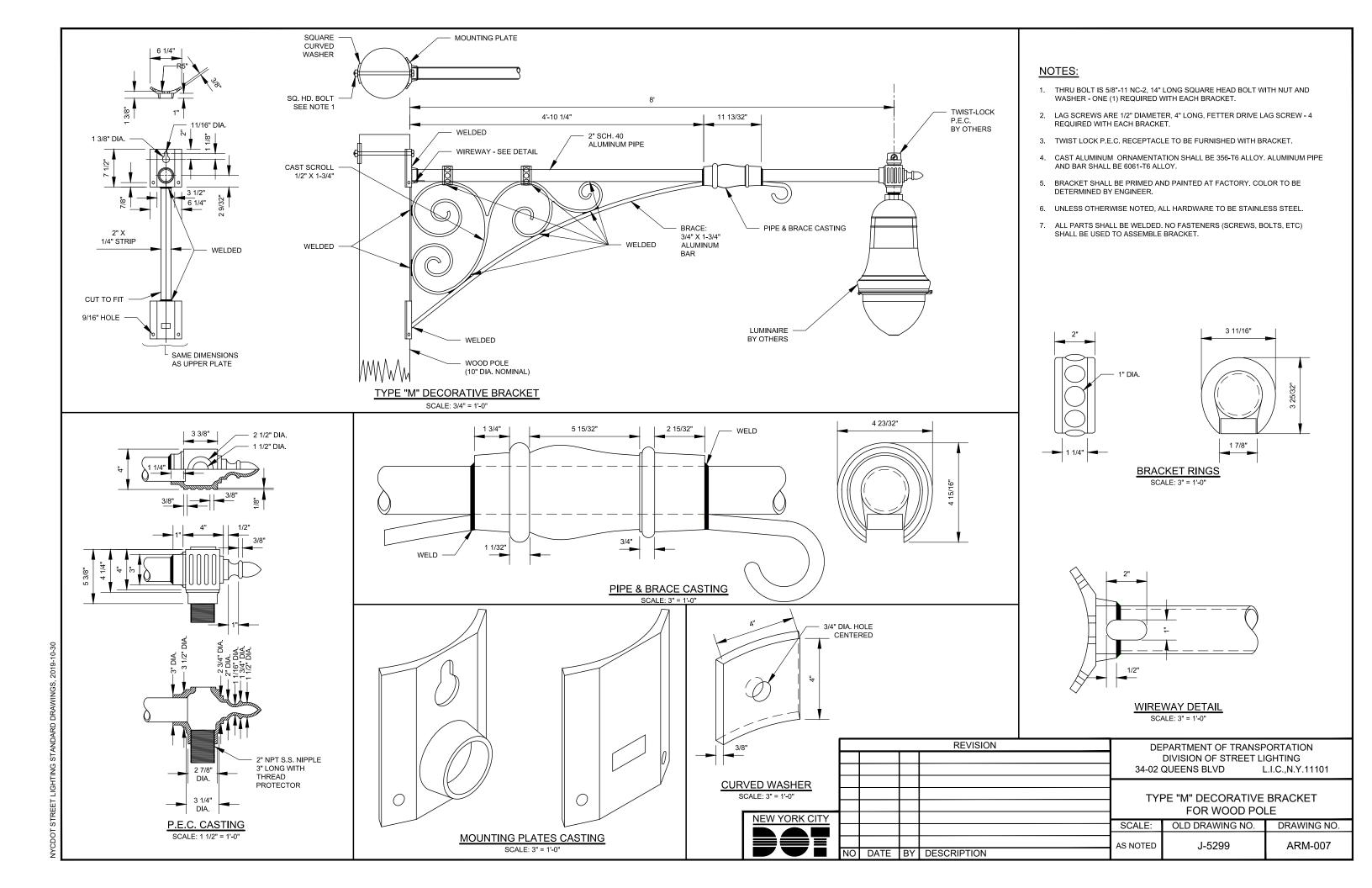


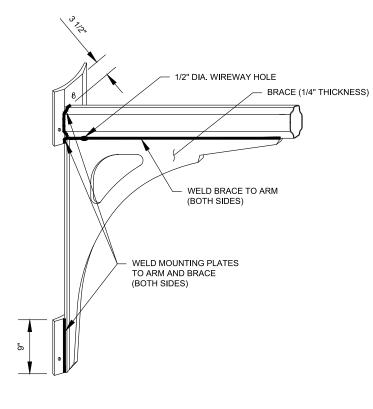








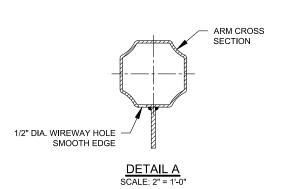


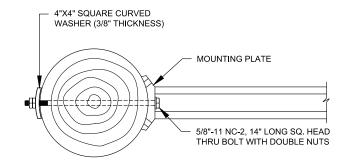


STRAIGHT

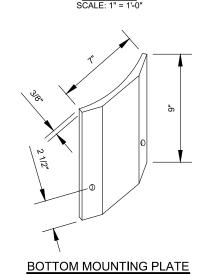
WOOD POLE BRACKET SCALE: 3/4" = 1'-0"

STEEL BRACE (1/4" THICKNESS)





HOLE 5/8" SQ. HD. BOLT



BRACE SIZE

	Α	В	C1	C2	Dx	Dy	E	F	G	Ox	Oy	R1	R2	R3	R4
4' ARM	30"	10 1/8"	2 3/4"	2 1/4"	7 7/16"	7 1/16"	21/32"	14 27/32"	34"	21 21/32"	22 11/32"	5 13/32"	22 1/4"	20"	11/32"
8' ARM	45"	15 3/16"	4"	3 3/8"	11 1/2"	10 7/8"	1"	22 1/4"	51"	32 1/2"	33 1/2"	6 7/16"	33 3/8"	30"	1/2"

MATERIALS:

MOUNTING PLATES, BRACE	STEEL (THICKNESS AS SPECIFIED)
BOLT, SCREW, NUT, WASHER, HINGE	STAINLESS STEEL

ARM SIZES

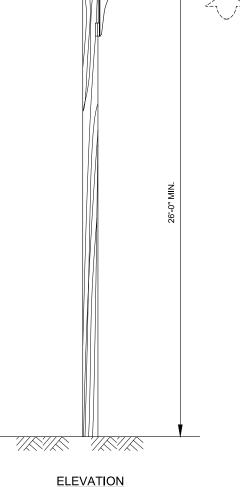
4' ARM AND 8' ARM

LUMINAIRES

"TBTA" LUMINAIRE (150W MAX LED OR AS PER CONTRACT'S STREET LIGHTING PLANS)

NOTES:

- 1. "TBTA" LUMINAIRE SHALL BE "TEARDROP" LUMINAIRE (IES DISTRIBUTION TYPE III OR V) WITH SHIELD.
- 2. ARM, BRACE AND MOUNTING PLATES SHALL BE HOT DIPPED GALVANIZED UNLESS OTHERWISE NOTED.
- 3. GASKET FOR P.E.C. MOUNTING IS REQUIRED.



SEE STD. DWG. -NO. LP-033 FOR ARM DETAIL

SEE DETAIL B

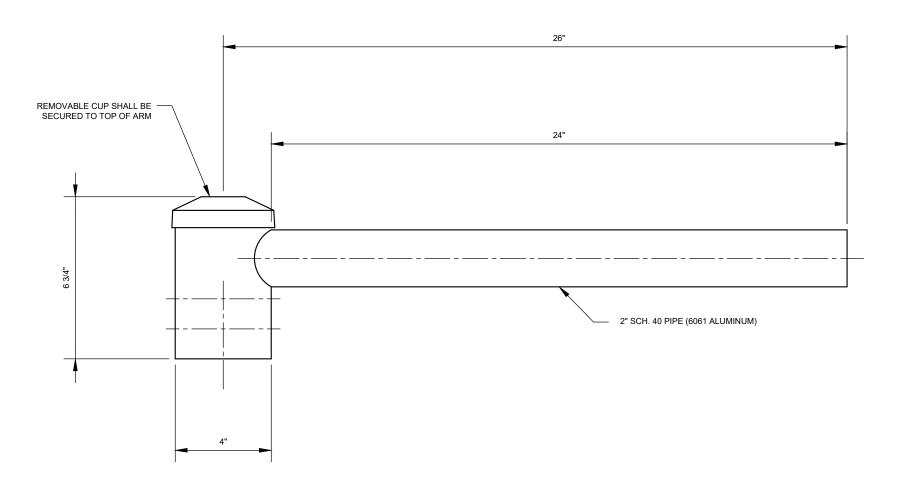
P.E.C.

ELEVATION SCALE: 3/16" = 1'-0"

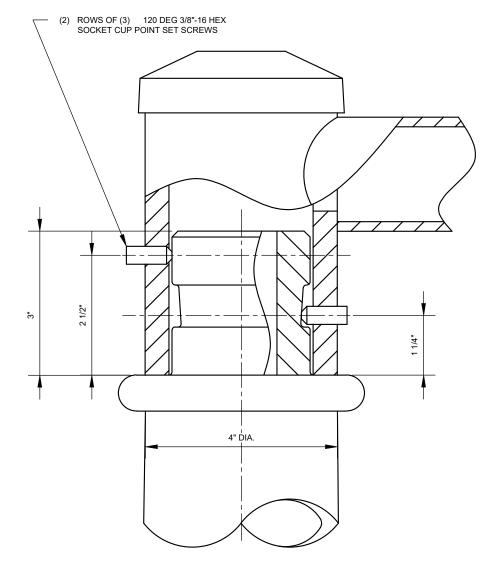
				REVISION	DEPARTMENT OF TRANSPORTATION						
					DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.111						
_						TYPE "TBTA" BRAG					
Y					SCALE:	OLD DRAWING NO.	DRAWING NO.				
	NO	DATE	BY	DESCRIPTION	AS NOTED	J-5310-C	ARM-008				

TOP MOUNTING PLATE

NEW YORK CITY



- 1. DETAILS AND MATERIALS COULD VARY AS PER APPROVED MANUFACTURER
- 2. <u>CONSTRUCTION</u> ARM TO BE HIGH-STRENGTH 6061 EXTRUDED ALUMINUM WITH MINIMUM STRUCTURAL WALL THICKNESS FOR CENTRAL HUB NO LESS THAN 1/4".HORIZONTAL 2" PIPE TO BE WELDED TO CENTRAL HUB.
- 3. FINISH ALL COMPONENTS SHALL BE FINISHED WITH HIGH GLOSS SUPER DURABLE POLYESTER POWDER COAT PAINT TO BE APPLIED UTILIZING A MULTI-STAGE PROCESS THAT INCLUDES PHOSPHATE PRETREATMENT, ELECTROSTATIC POWDER APPLICATION, AND CONVECTION CURING. ANODIZED FINISH ALSO ACCEPTABLE.
- 4. LUMINAIRE MOUNTING ARM HAS 2.375" O.D. FOR LUMINAIRE MOUNTING USING (4) 5/16"-18 SET SCREWS AND MINIMUM OF (1) 5/16"-18 HEX HEAD SECURITY BOLT FROM TOP. HOLE IN THE ARM FOR SECURITY BOLT SHALL BE FIELD DRILLED WITH SIZE AND EXACT LOCATION TO CONFORM TO APPROVED LUMINAIRE SPECIFICATIONS. ALL HARDWARE SHALL BE STAINLESS STEEL.
- 5. INSTALLATION ARM MOUNTS TO A 3" DIA X 3" TALL TENON VIA (6) 3/8"-16 ALLEN HEAD CUP POINT SET SCREWS.
- 6. $\underline{\text{TWIN ARM}}$ ARM COULD COME IN A TWIN 180 DEG CONFIGURATION.



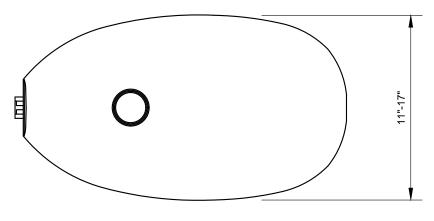
ARM MOUNTING DETAIL

SCALE: 6" = 1'-0"

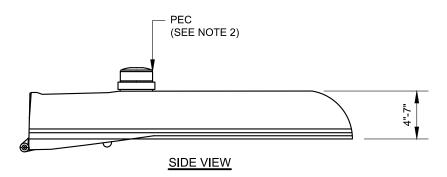
				REVISION	DEPARTMENT OF TRANSPORTATION						
					DIVISION OF STREET LIGHTING						
					34-02	QUEENS BLVD I	L.I.C.,N.Y.11101				
					FLUSHING MEADOWS TYPE PEDESTRIAN ARM						
<u> </u>					SCALE:	OLD DRAWING NO.	DRAWING NO.				
•	0	09/2022	AM	CREATED	3"=1'-0"		ARM-009				
•	NO	DATE	RY	DESCRIPTION	7		7 11 11 11 000				

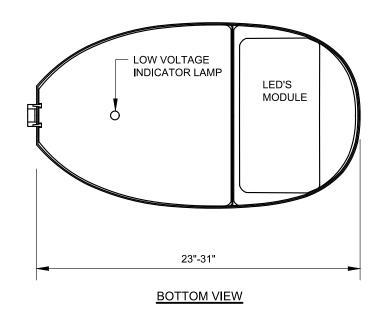


LUMINAIRE DRAWINGS



TOP VIEW





NOTES:

NEW YORK CITY

- LED COBRAHEAD LUMINAIRE SHALL BE AS PER NYC DOT STREET LIGHTING STANDARD SPECIFICATIONS NUMBER 466.
- 2. PHOTOCELL SHALL BE WITH SURGE PROTECTION AS PER NYC DOT STREET LIGHTING STANDARD SPECIFICATIONS NUMBER 504.
- 3. LUMINAIRE SHALL BE MOUNTED ON A 1.5" 2" DIA. ARM WITH CLAMPS.

NO DATE BY DESCRIPTION

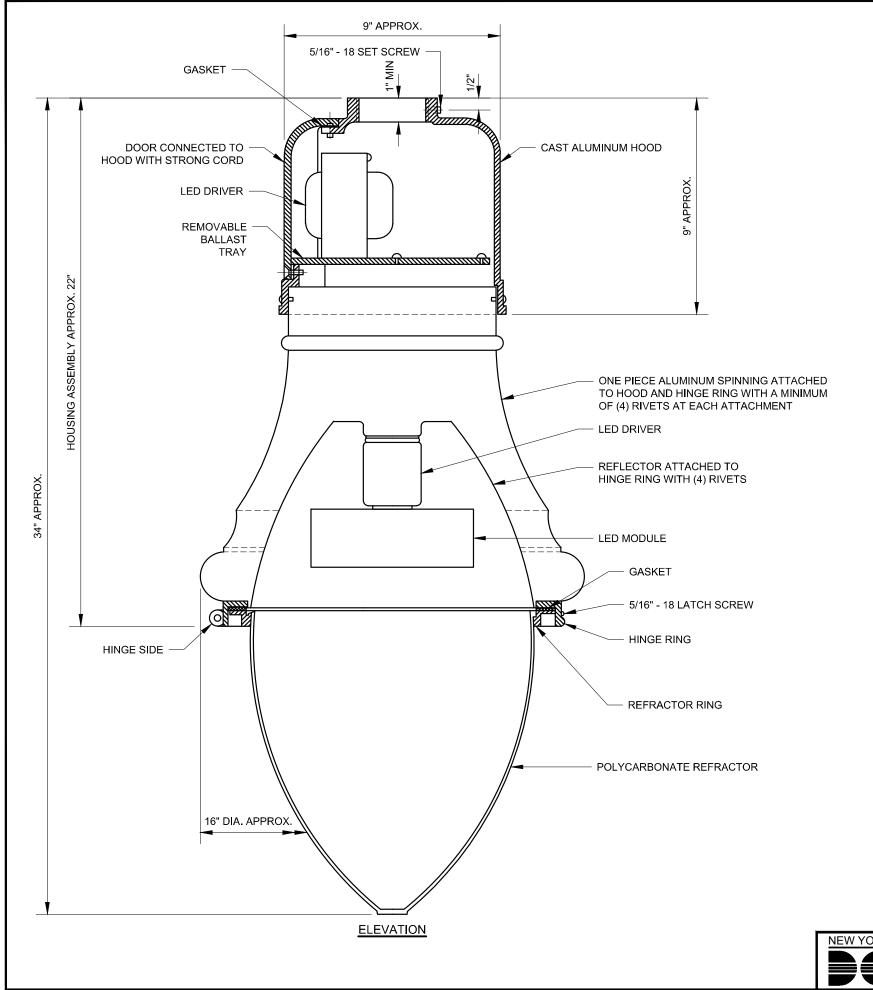
	REVISION	DEPARTMENT OF TRANSPORTATION				
		DIVISION OF STREET LIGHTING				
		34-02	QUEENS BLVD I	L.I.C.,N.Y.11101		
		LED COBRAHEAD LUMINAIRE				
		SCALE:	OLD DRAWING NO.	DRAWING NO.		

1 1/2" = 1'-0"

5318

LUM-001

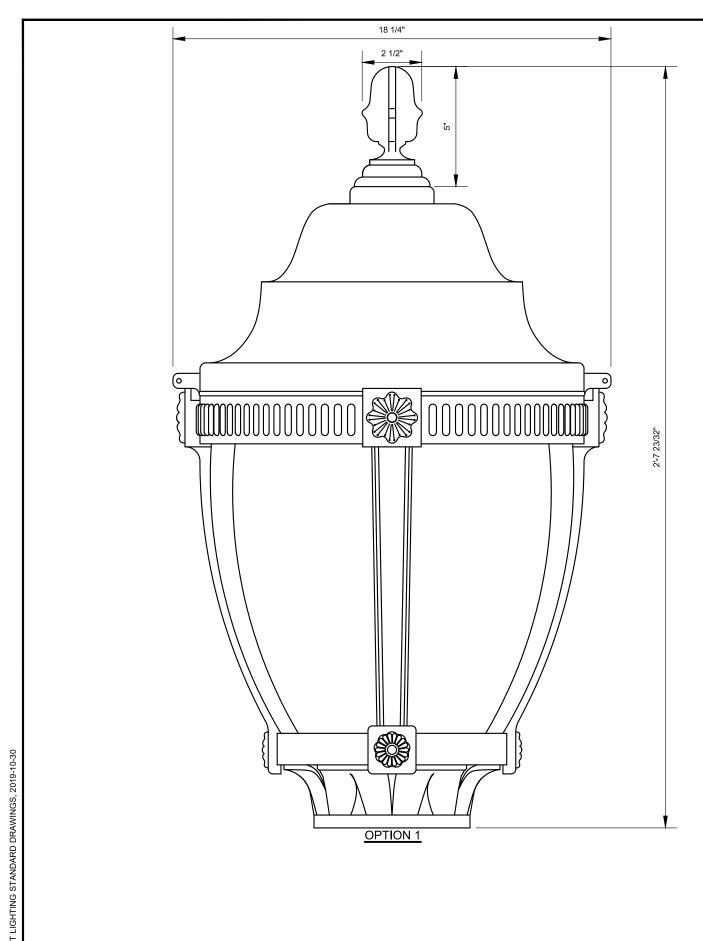
NYCDOT STREET LIGHTING STANDARD DRAWINGS, 2019-1

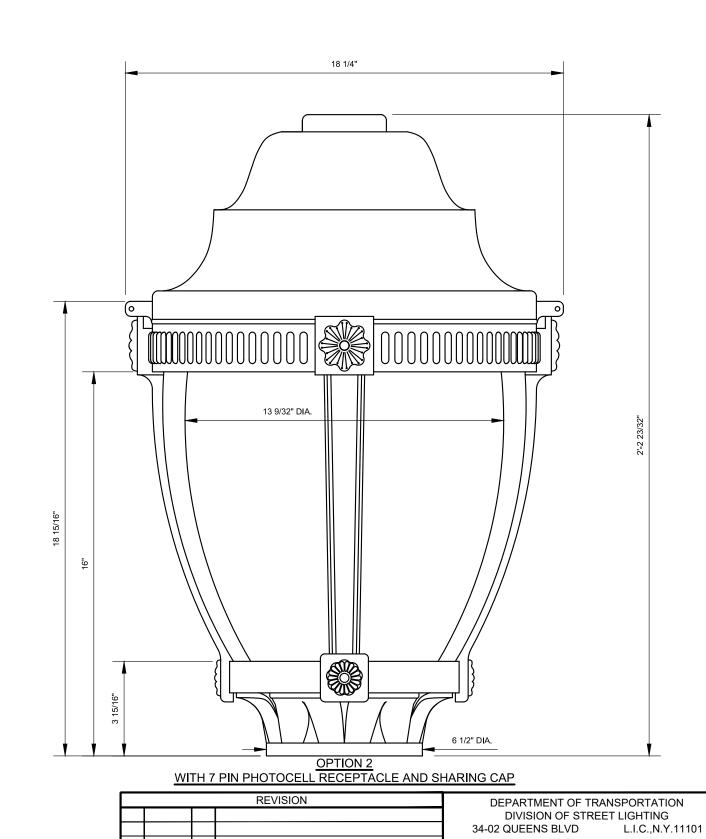


- 1. REFER TO SPECIFICATION NO. 472 FOR ADDITIONAL DATA AND REQUIREMENTS.
- 2. LUMINAIRE DESIGN COULD VARY AS PER APPROVED MANUFACTURER.

				REVISION	D	EPARTMENT OF TRANSF	PORTATION			
					34-02	DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101				
						TEAR DROP LUMIN	NAIRE			
CITY					SCALE:	OLD DRAWING NO.	DRAWING NO.			
	NO	DATE	BY	DESCRIPTION	3" = 1'-0"	H-5271	LUM-002			

KEEL LIGHTING STANDARD DRAWINGS, 2019-11-15





NEW YORK CITY

NO DATE BY DESCRIPTION

RIVERSIDE LUMINAIRE

DRAWING NO.

LUM-003

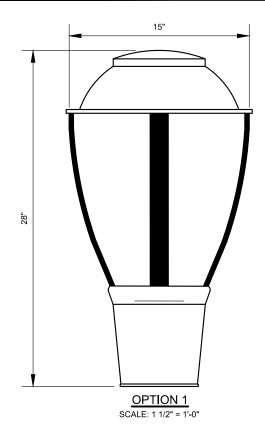
OLD DRAWING NO.

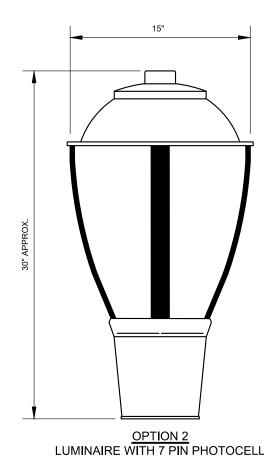
SCALE:

3" = 1'-0"

NOTE:

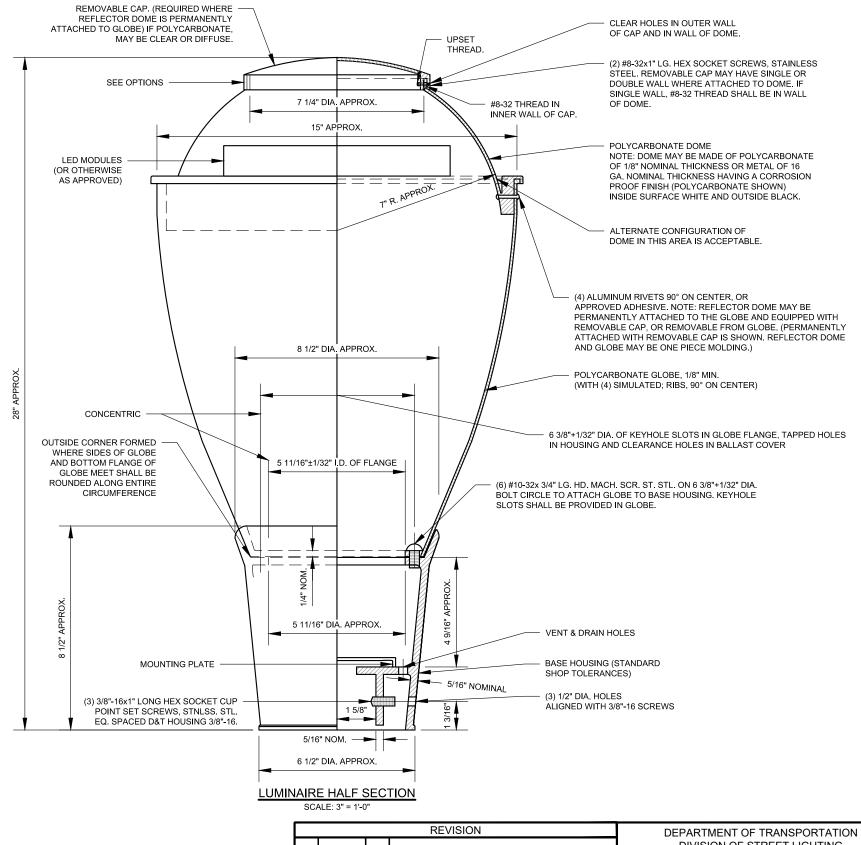
- 1. REFER TO SPECIFICATION NO. 465 FOR ADDITIONAL DATA & REQUIREMENTS.
- 2. LUMINAIRE DESIGN COULD VARY AS PER APPROVED MANUFACTURER.





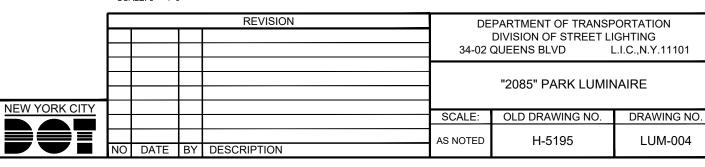
RECEPTACLE & SHORTING CAP

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

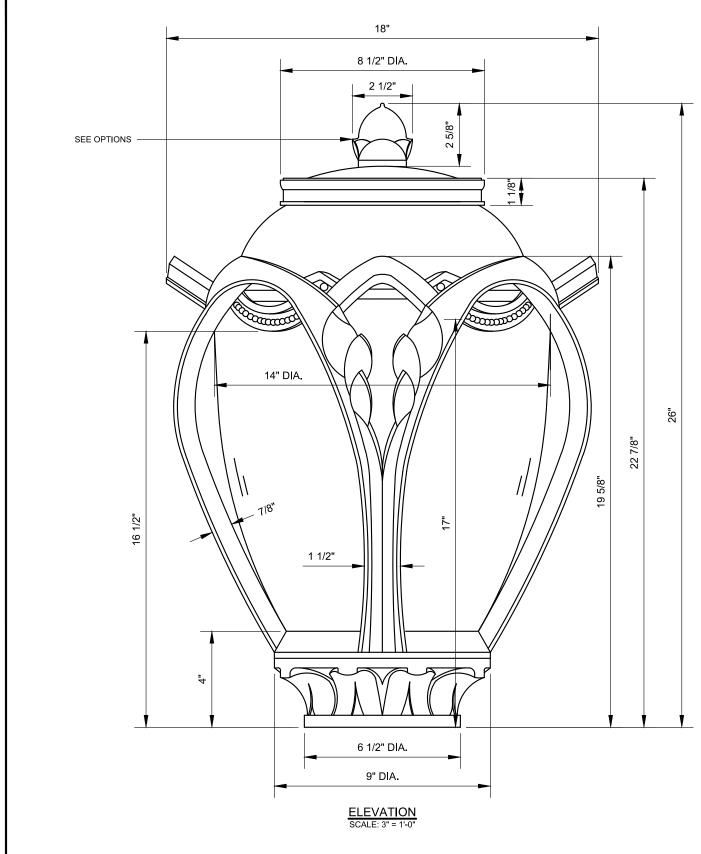


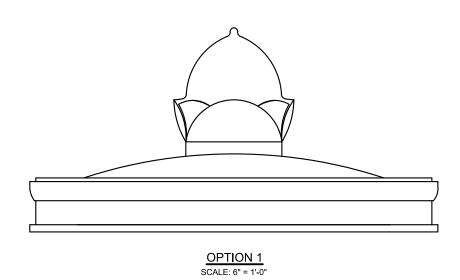
NOTE:

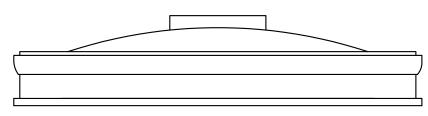
- 1. REFER TO SPECIFICATION NO. 465 FOR ADDITIONAL DATA & REQUIREMENTS.
 - 2. LUMINAIRE DESIGN COULD VARY AS PER APPROVED MANUFACTURER.



NYCDOT STREET LIGHTING STANDARD DRAWINGS, 201







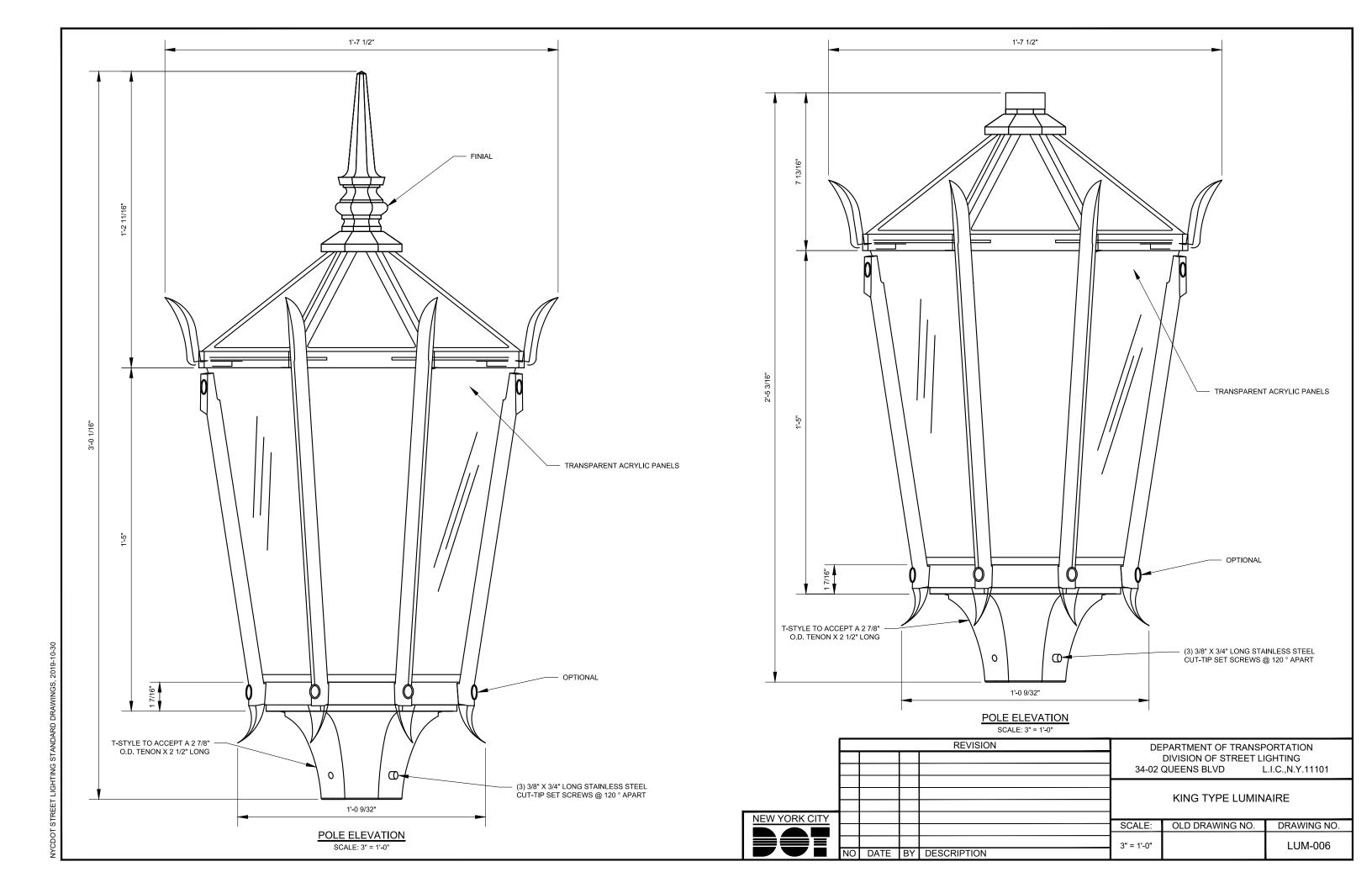
OPTION 2 (WITH 7 PIN RECEPTACLE & SHORTING CAP) SCALE: 6" = 1'-0"

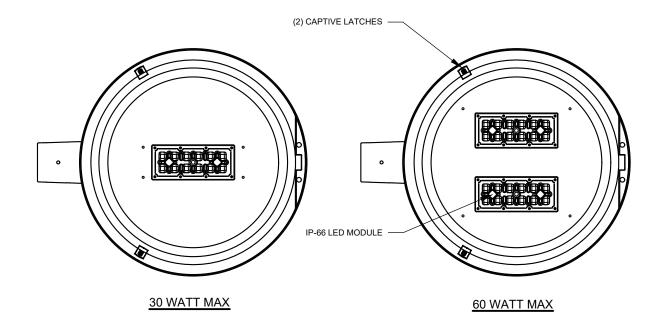
NOTE:

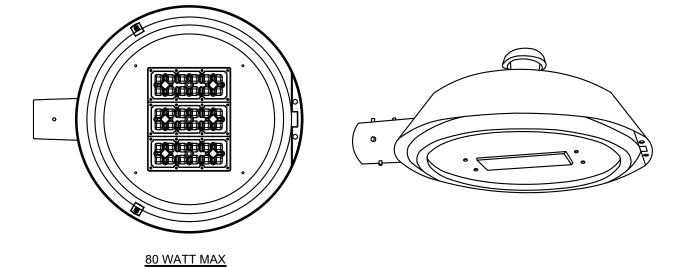
1. LUMINAIRE DESIGN COULD VARY AS APPROVED MANUFACTURER.

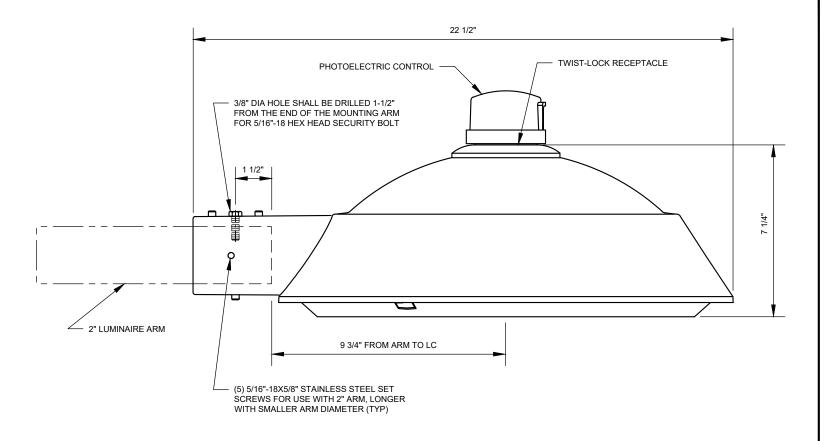
				REVISION	DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101					
Y					"CE	"CENTRAL PARK" TYPE LUMINAIRE FOR TYPE B LAMPPOST 1 OF 2				
╅					SCALE:	OLD DRAWING NO.	DRAWING NO.			
	NO	DATE	BY	DESCRIPTION	AS NOTED	H-5196	LUM-005_1			

00T STREET LIGHTING STANDARD DRAWINGS, 2019-10-30









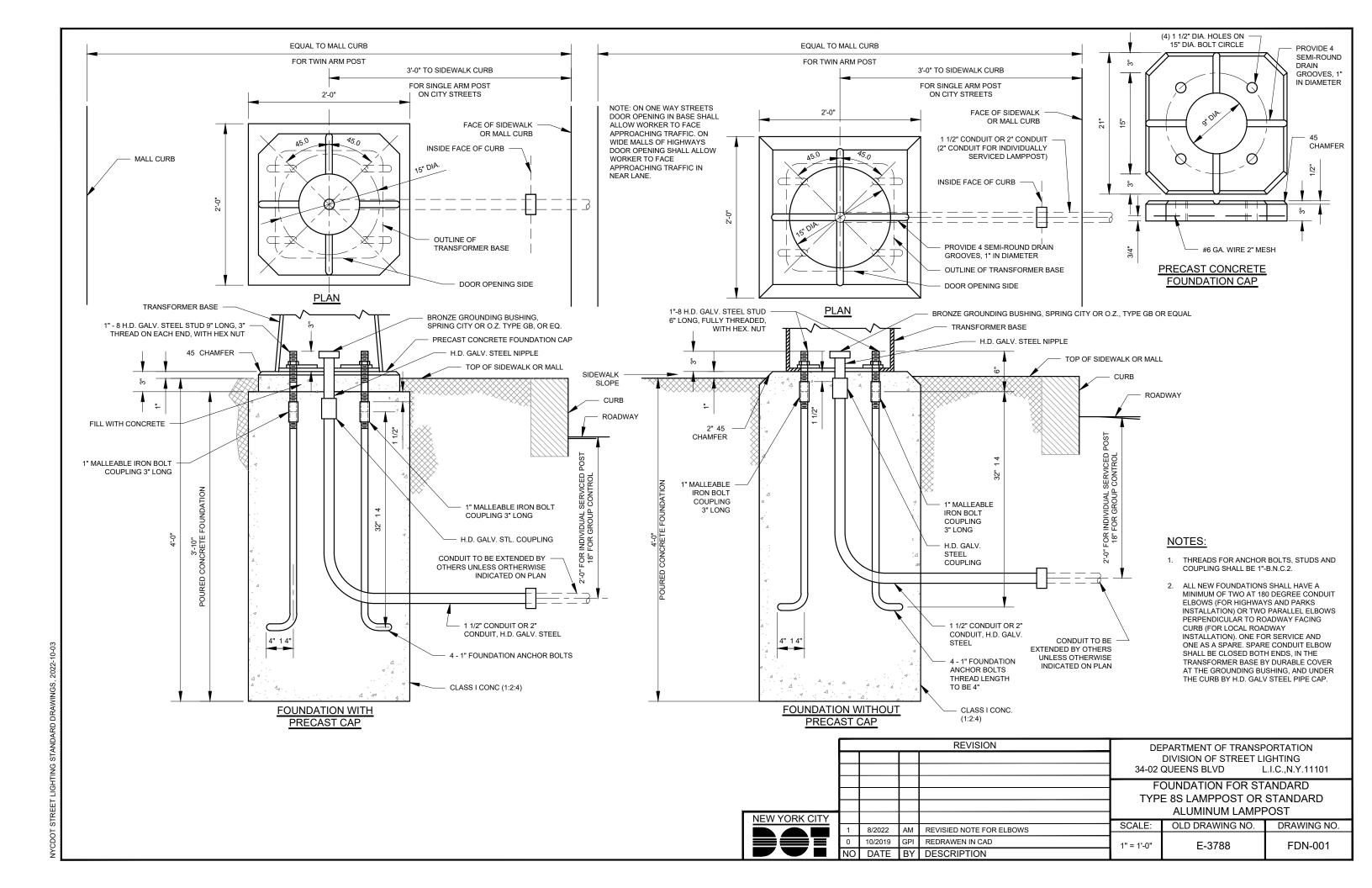
LUMINAIRE HEAD DETAIL SCALE: 3" = 1'-0"

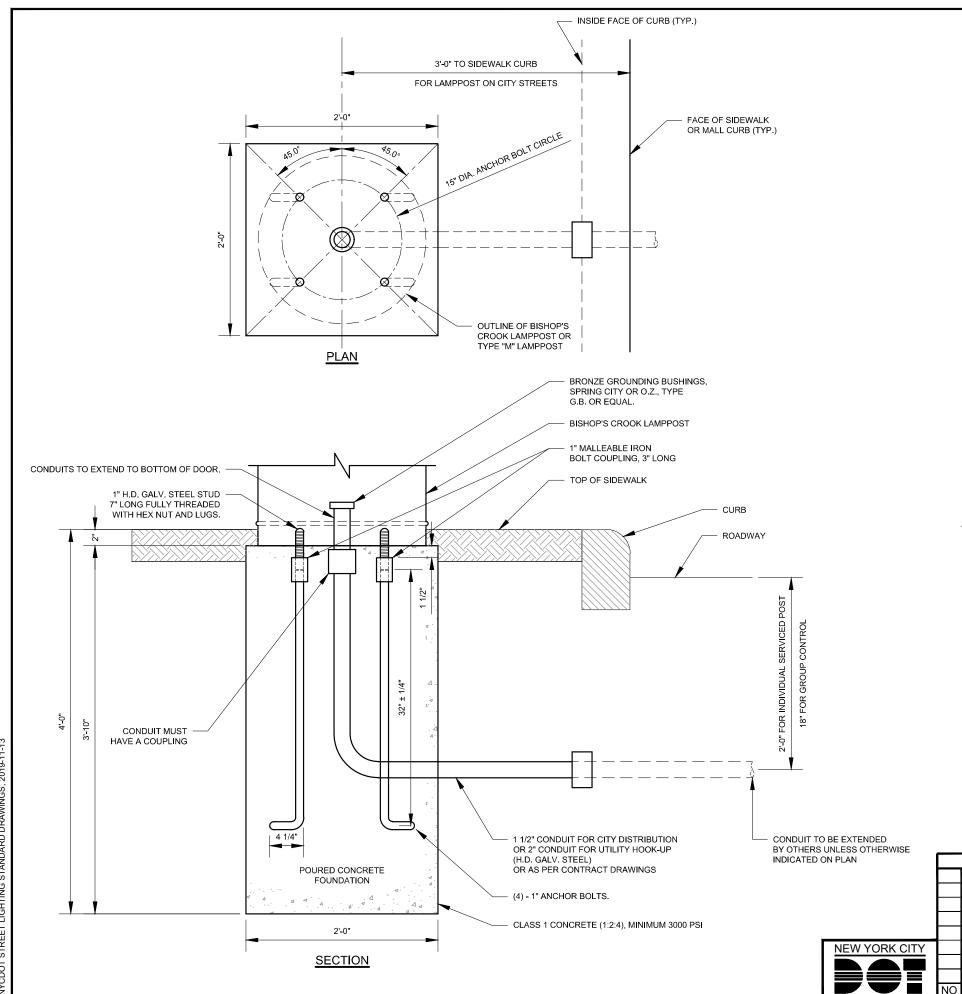
NOTES:

- 1. ALL DETAILS ARE SUB ECT TO THE APPROVED DESIGN(S)
- 2. ALL WIRING CONNECTIONS SHALL BE COMPLIANT WITH IP-66 STANDARDS
- 3. FOR MORE DETAILS SEE NYCDOT STREET LIGHTING SPECIFICATION 480.

					REVISION	DEPARTMENT OF TRANSPORTATION				
						DIVISION OF STREET LIGHTING				
						34-02 QUEENS BLVD L.I.C.,N.Y.11101				
							LED STAD			
_							LLD OIND			
Г	NEW YORK CITY									
ı						SCALE:	OLD DRAWING NO.	DRAWING NO.		
1		_	06/2022	AM	CREATED					
1						1-1/2"=1'-0"		LUM-007		
		NO	DATE	BY	DESCRIPTION					

FOUNDATION DRAWINGS





- 1. FOR EXISTING FOUNDATION WITH PRECAST CONCRETE CAP, REMOVE CAP AND REMOVE CONCRETE TO 2" BELOW SIDEWALK LEVEL. INSTALL BISHOP'S CROOK POST DIRECTLY ON FOUNDATION. RESTORE AREA AROUND LAMPPOST. IF STUDS ARE TOO LONG OR TOO SHORT, REMOVE EXISTING STUD AND INSTALL PROPER SIZE.
- 2. FOR EXISTING FOUNDATION WITHOUT PRECAST CONCRETE CAP, REMOVE TOP PORTION OF FOUNDATION TO A DEPTH OF 7" OR TO THE LEVEL JUST BELOW THE THREADS ON THE ANCHOR ROD. REMOVE COUPLING AND STUD. CUT 2" FROM THE THREADED PART OF THE ANCHOR ROD. RE-INSTALL COUPLING AND STUD. POUR CONCRETE TO A LEVEL 2" BELOW THE SIDEWALK GRADE. INSTALL BISHOP'S CROOK POST. RESTORE AREA AROUND LAMPPOST.
- 3. ALL NEW FOUNDATIONS SHALL HAVE A MINIMUM OF TWO AT 180 DEGREE CONDUIT ELBOWS. ONE FOR SERVICE AND ONE AS A SPARE. SPARE CONDUIT ELBOW SHALL BE CLOSED BOTH ENDS, IN THE TRANSFORMER BASE BY DURABLE COVER AT THE GROUNDING BUSHING, AND UNDER THE CURB BY H.D. GALV STEEL PIPE CAP.

REVISION

DEPARTMENT OF TRANSPORTATION
DIVISION OF STREET LIGHTING
34-02 QUEENS BLVD
L.I.C.,N.Y.11101

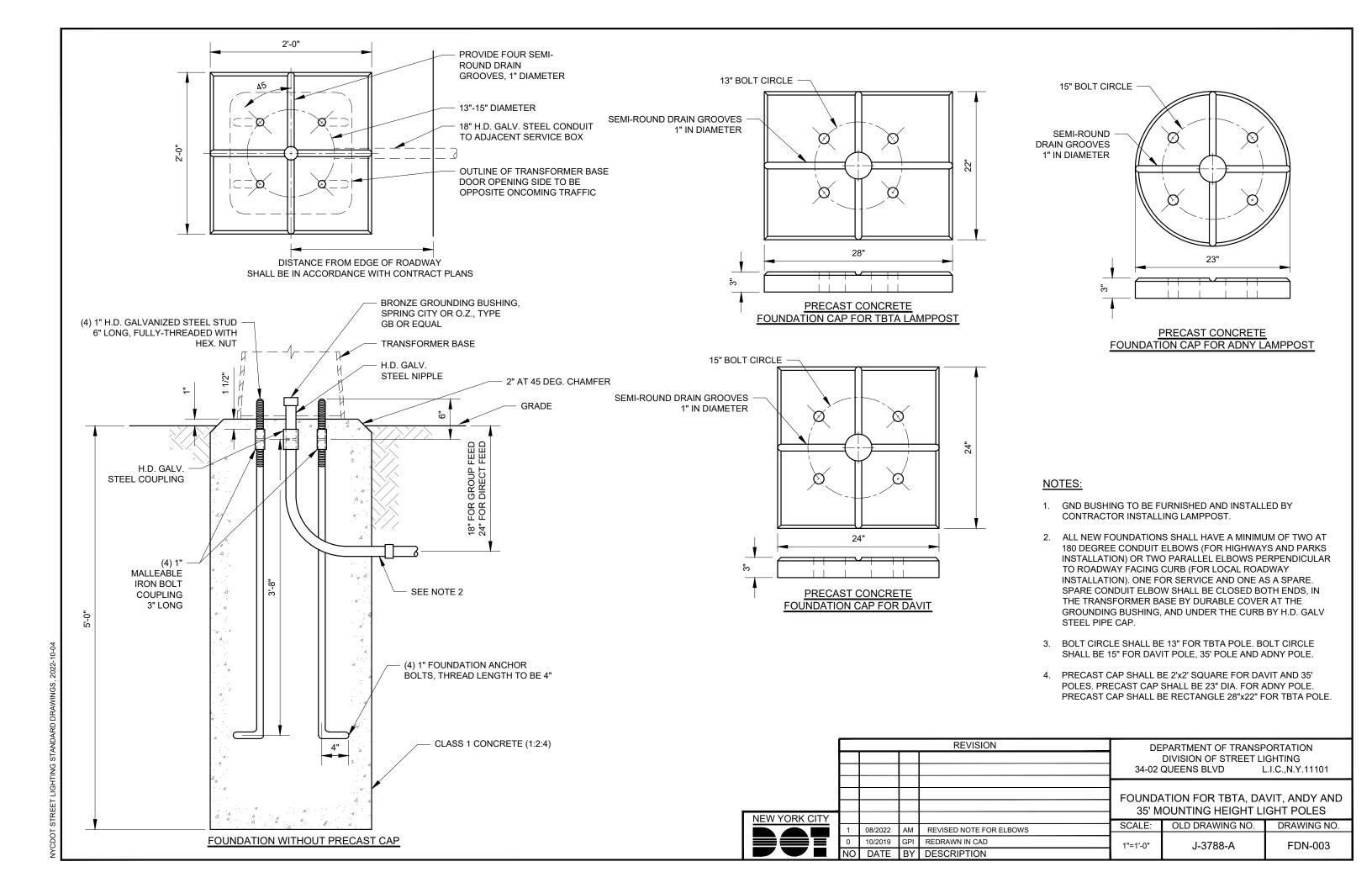
FOUNDATION FOR TYPE BISHOP'S CROOK
AND TYPE M LAMPPOSTS

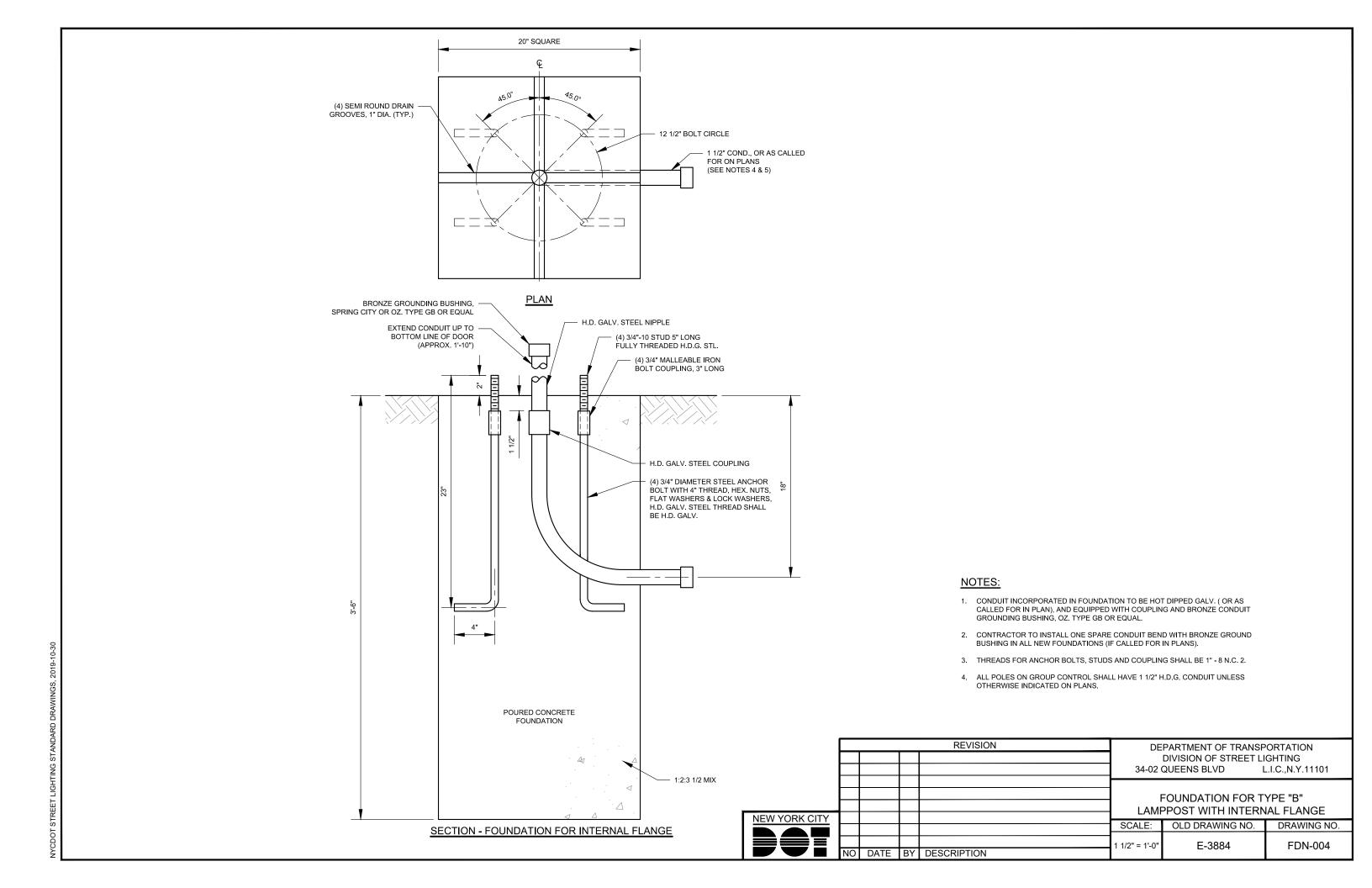
SCALE: OLD DRAWING NO. DRAWING NO.

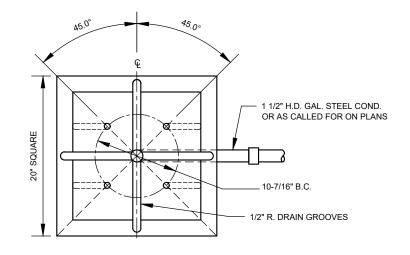
1" = 1'-0"

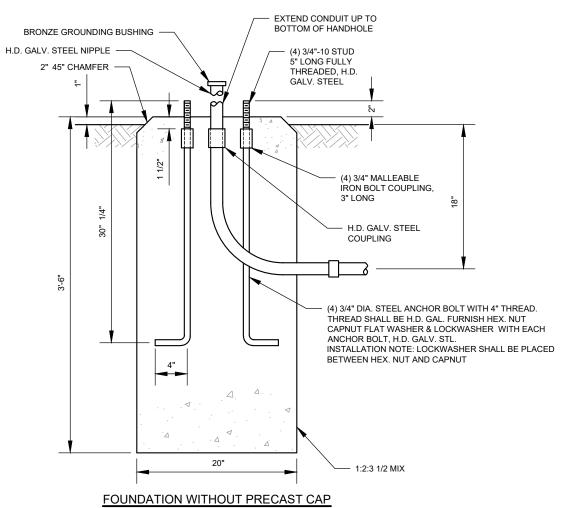
J-5253

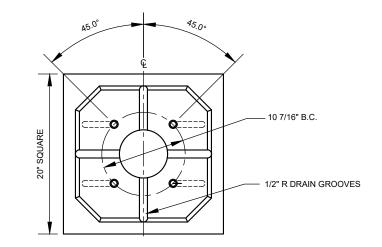
FDN-002

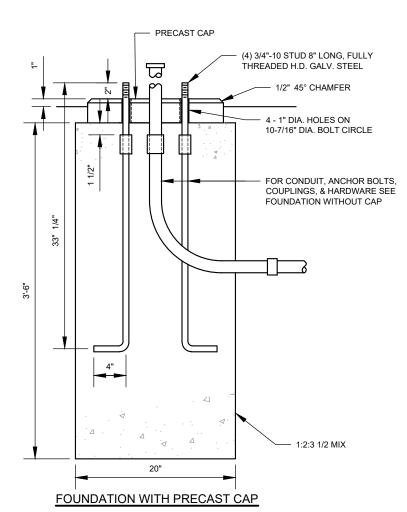


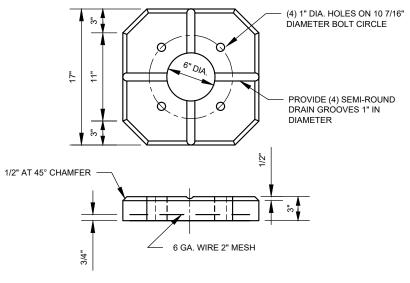










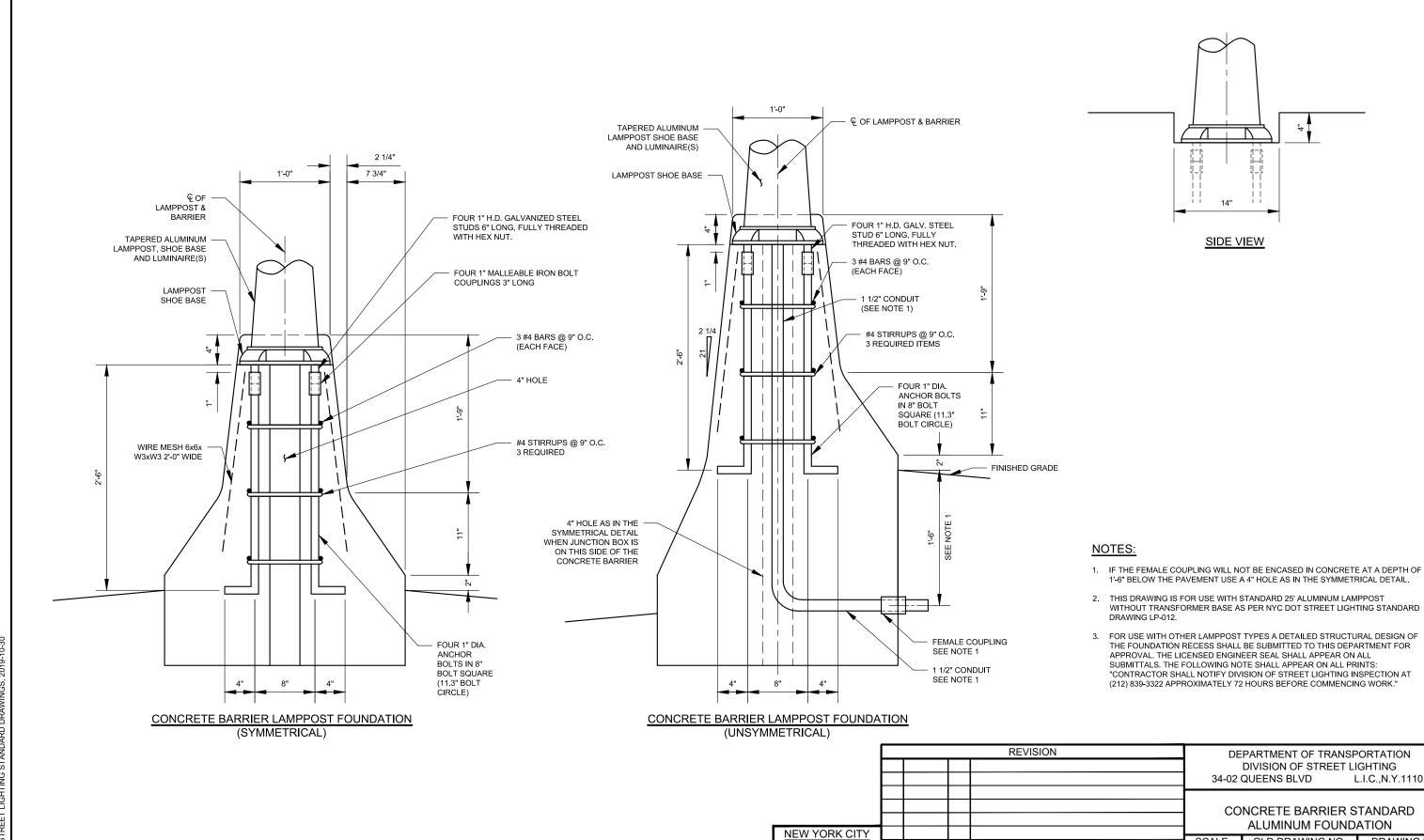


PRECAST CONCRETE FOUNDATION CAP 1:2:3 1/2 MIX

NOTE:

1. ALL NEW FOUNDATIONS SHALL HAVE A MINIMUM OF TWO AT 180 DEGREE CONDUIT ELBOWS (FOR HIGHWAYS AND PARKS INSTALLATION) OR TWO PARALLEL ELBOWS PERPENDICULAR TO ROADWAY FACING CURB (FOR LOCAL ROADWAY INSTALLATION). ONE FOR SERVICE AND ONE AS A SPARE. SPARE CONDUIT ELBOW SHALL BE CLOSED BOTH ENDS, IN THE TRANSFORMER BASE BY DURABLE COVER AT THE GROUNDING BUSHING, AND UNDER THE CURB BY H.D. GALV STEEL PIPE CAP.

REVISION DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101 FOUNDATION FOR TYPE WF 12'-0" STEEL AND TYPE FM LAMPPOSTS **NEW YORK CITY** OLD DRAWING NO. DRAWING NO. SCALE: REVISED NOTE FOR ELBOWS 08/2022 AM 10/2019 GPI REDRAWN IN CAD 1" = 1'-0" H-5124 FDN-005 DATE BY DESCRIPTION



L.I.C., N.Y.11101

DRAWING NO.

FDN-006

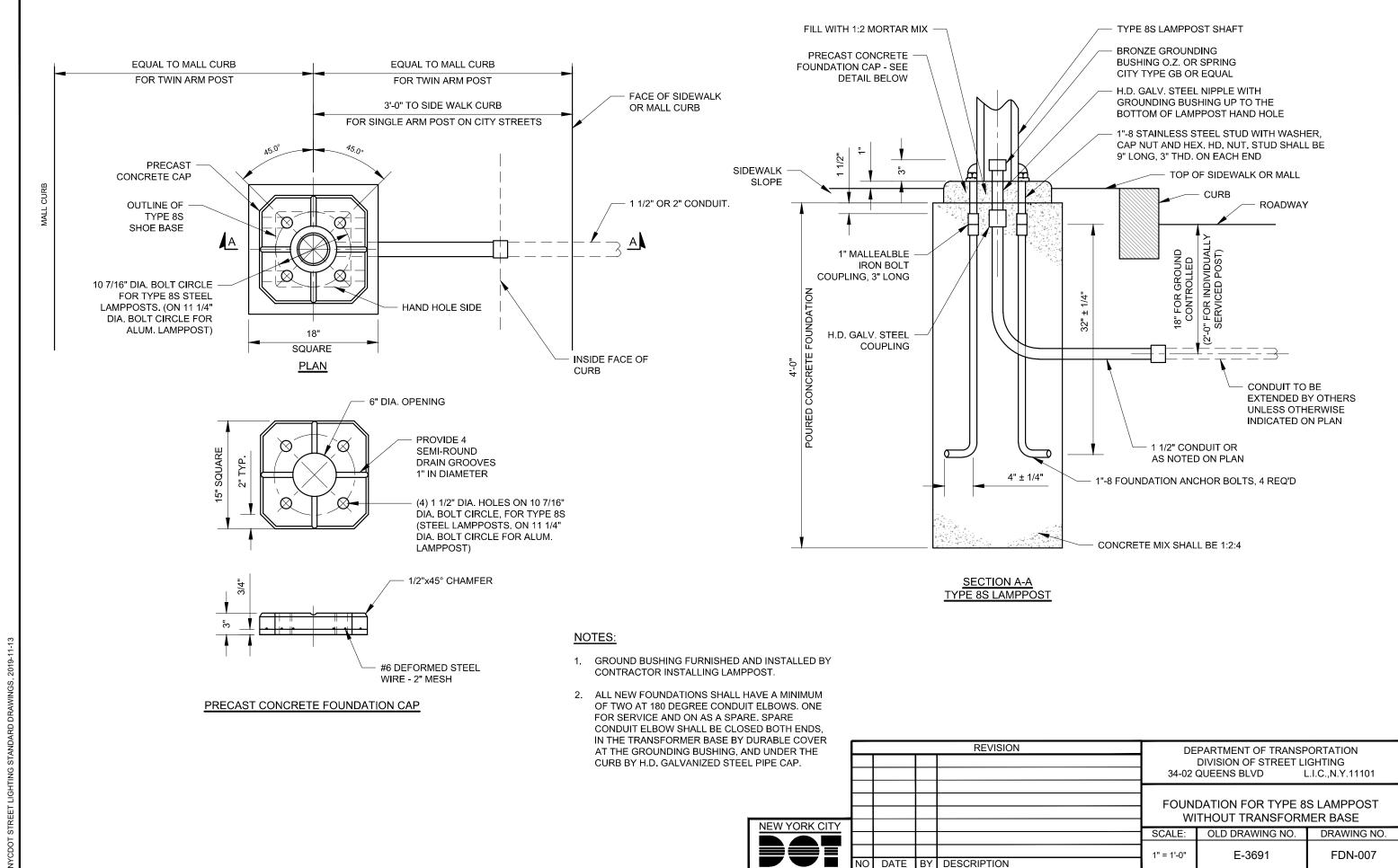
OLD DRAWING NO.

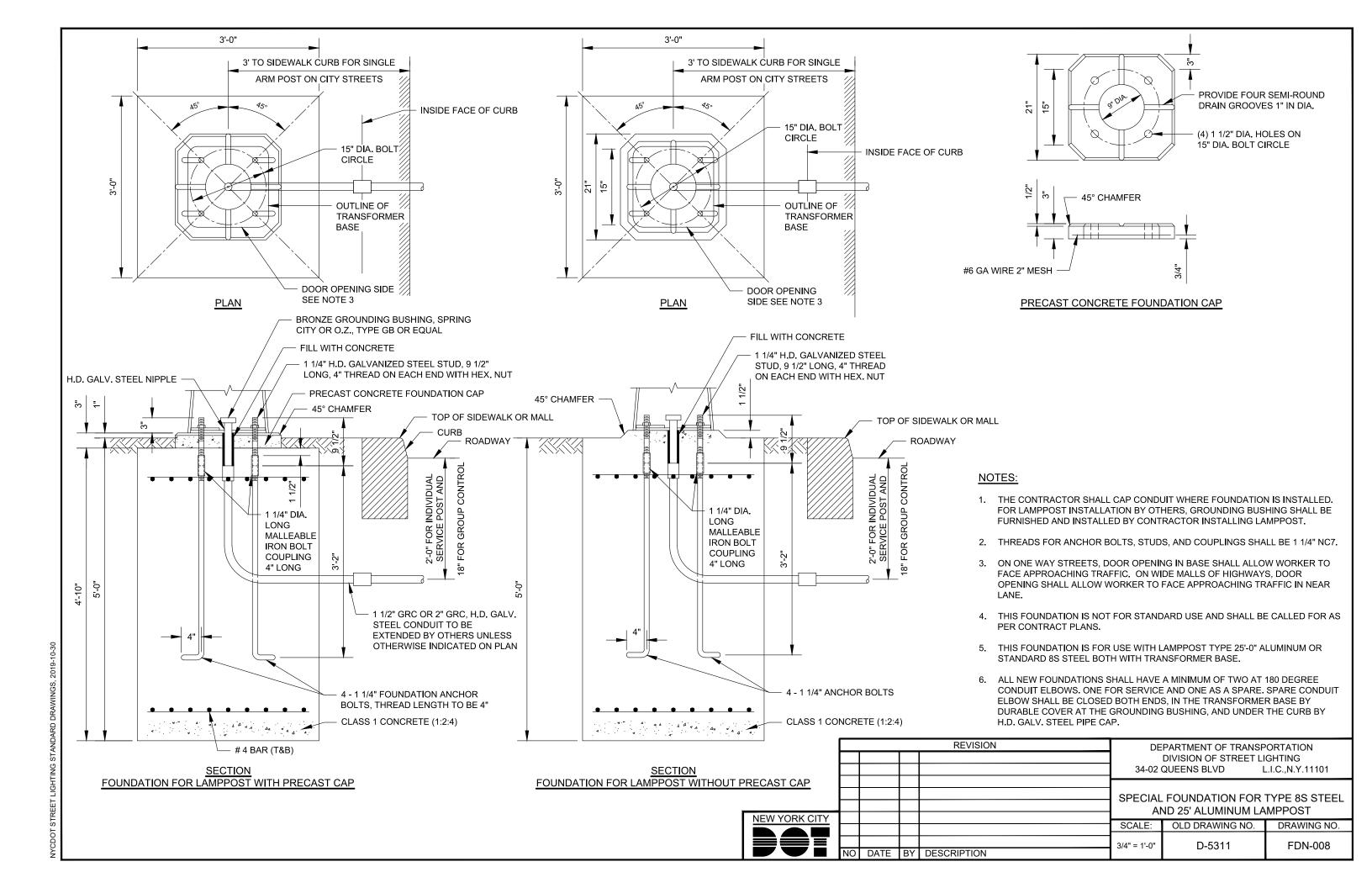
H-5220

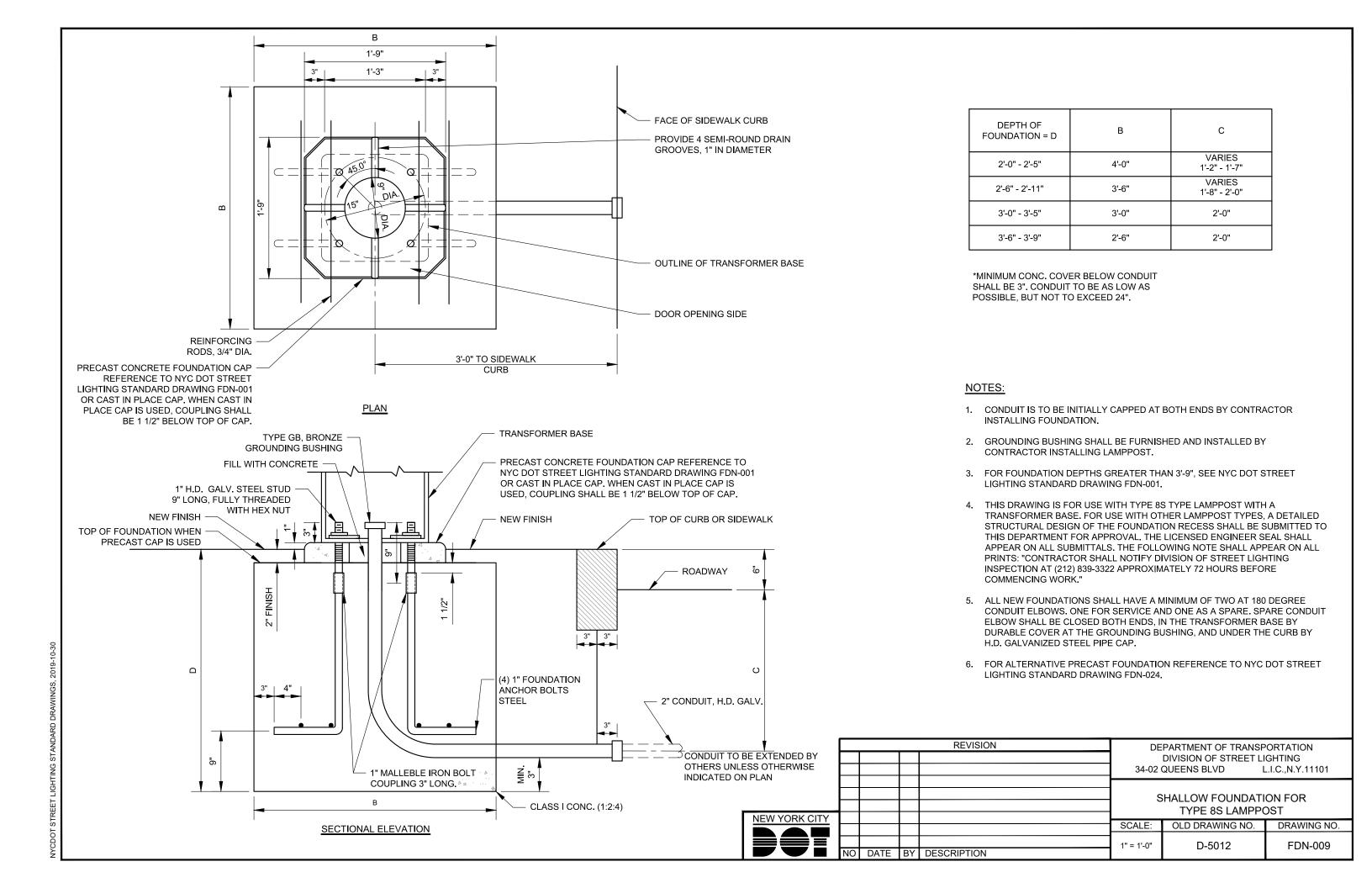
SCALE:

1" = 1'-0"

DATE BY DESCRIPTION

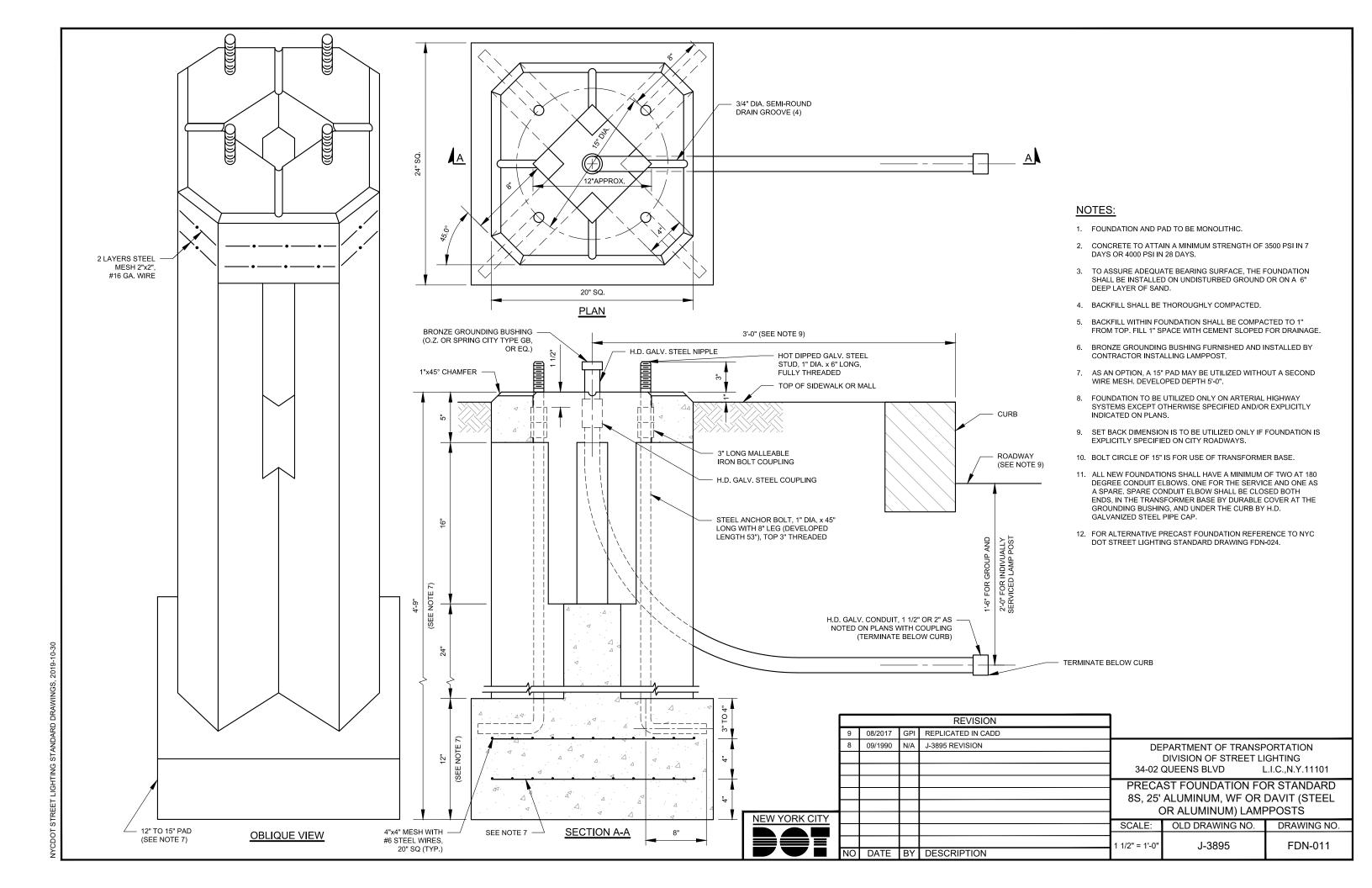


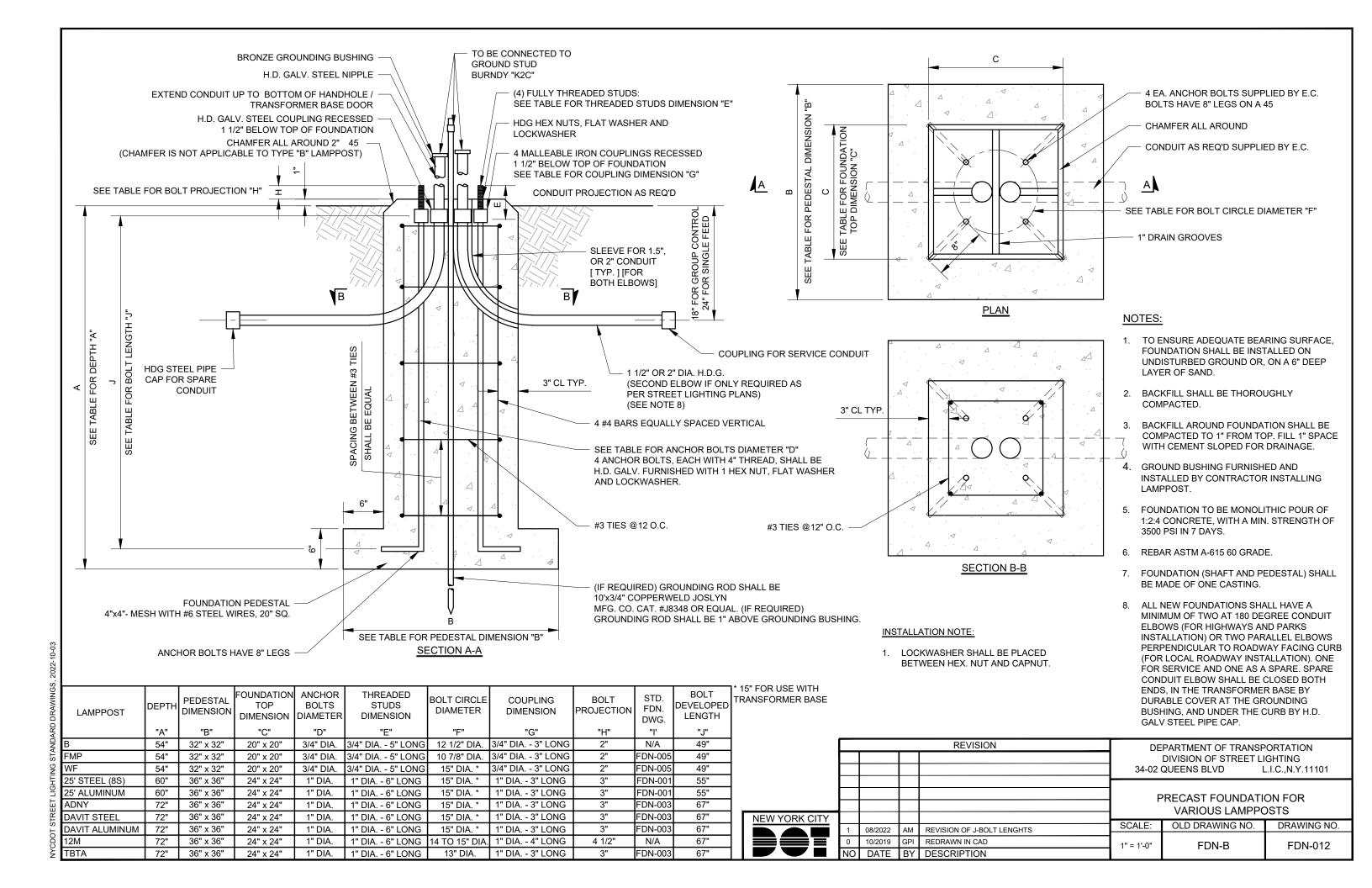


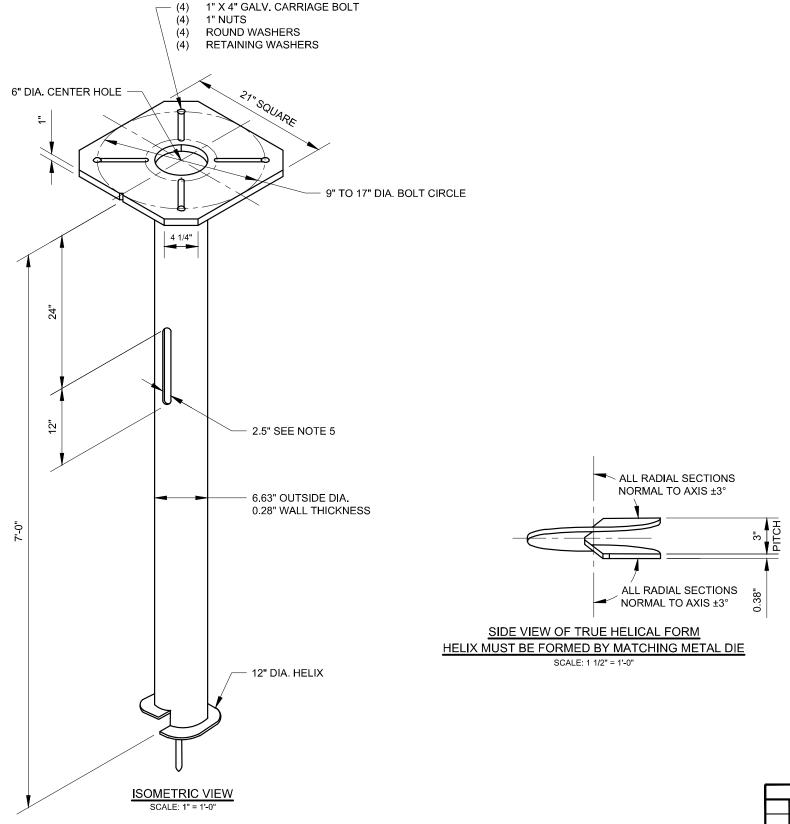


- 1. DRILL CLEAR HOLES FOR 1 1/2" BOLTS AND WELD 1 1/2" BOLTS TO BOTTOM PLATE ON 25 1/2" DIAMETER BOLT CIRCLE, SYMMETRICAL ABOUT PLATE CENTER LINES. BOLT LENGTH TO BE DETERMINED BY SLAB THICKNESS.
- DRILL CLEAR HOLES IN TOP PLATE TO MATCH 1 1/2" BOLTS IN BOTTOM PLATE, SYMMETRICAL ABOUT PLATE CENTER - LINES.
- 3. DRILL CLEAR HOLES FOR 1" STUDS AND WELD 1" NUTS TO TOP PLATE ON 15" DIAMETER BOLT CIRCLE, SYMMETRICAL ABOUT PLATE CENTER LINES.
- 4. THIS DRAWING APPLIES TO NEW CONSTRUCTION.
- 5. DIMENSIONAL REQUIREMENTS FOR STANDARD TRANSFORMER BASE INSTALLATION ARE SHOWN.
- 6. STRUCTURAL REQUIREMENTS SHALL COMPLY WITH AASHTO SPECIFICATIONS.
- 7. THIS DRAWING IS FOR THE USE OF TYPE 8S STEEL LAMPPOST WITH TRANSFORMER BASE AND BOLT CIRCLE OF 15".
- 8. FOR USE WITH OTHER LAMPPOST TYPES, A DETAILED STRUCTURAL DESIGN OF THE FOUNDATION RECESS SHALL BE SUBMITTED TO THIS DEPARTMENT FOR APPROVAL. THE LICENSED ENGINEER SEAL SHALL APPEAR ON ALL SUBMITTALS. THE FOLLOWING NOTE SHALL APPEAR ON ALL PRINTS: "CONTRACTOR SHALL NOTIFY DIVISION OF STREET LIGHTING INSPECTION AT (212) 839-3322 APPROXIMATELY 72 HOURS BEFORE COMMENCING WORK."

					REVISION	DEPARTMENT OF TRANSPORTATION				
						DIVISION OF STREET LIGHTING				
						34-02	QUEENS BLVD L	I.C.,N.Y.11101		
						TYPE 8S	LAMPPOST FOUND	ATION ON SLAB		
ľ	NEW YORK CITY									
ı						SCALE:	OLD DRAWING NO.	DRAWING NO.		
						N.T.S.	D-5213	FDN-010		
1		NO	DATE	BY	DESCRIPTION		2 32 10	. 2.7 010		







- 1. FINISH: HOT DIPPED GALVANIZED PER ASTM-A153 (LATEST REVISION).
- 2. BASE PLATE TO BE PERPENDICULAR TO THE SHAFT AXIS $(\pm 1")$ AND HOLE CENTERLINE CONCENTRIC (±0.188) TO SHAFT AXIS.
- 3. STENCIL MIN. 1/2" LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.
- 4. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (±0.125 FIM) AND IN LINE (±2")
- 5. FLAME CUT TWO SLOTS IN SHAFT PERPENDICULAR TO THE BASEPLATE.
- PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND PILOT POINT ON ALL WELDED AREAS.
- 7. FLAMECUTTING OF IRREGULARITIES IS PERMISSIBLE: (1) VALLEYS NOT TO EXCEED 3/32 IN. BELOW NOMINAL SURFACE LEVEL. (2) PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 1/32" ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
- MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
- ALL MATERIAL TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

BASEPLATE: ASTM A36 -(LATEST REVISION) STRUCTURAL STEEL ASTM A252 -(LATEST REVISION) GRADE 2 STEEL PIPE SHAFT: PILES.

> ALTERNATE MATERIAL: ASTM A53 -(LATEST REVISION) TYPE E OR S, GRADE B, STEEL PIPÈ OR ASTM A500 -(LATEST REVISION) GRADE B, STRUCTURAL STEEL TUBING.

ASTM A635 -(LATEST REVISION) 3/8" THICK HOT ROLLED

HELIX: STEEL PLATE OR COIL.

PILOT POINT: ASTM A575 -(LATEST REVISION) 1-1/4" DIA. HOT ROLLED STEEL BAR.

NUTS:

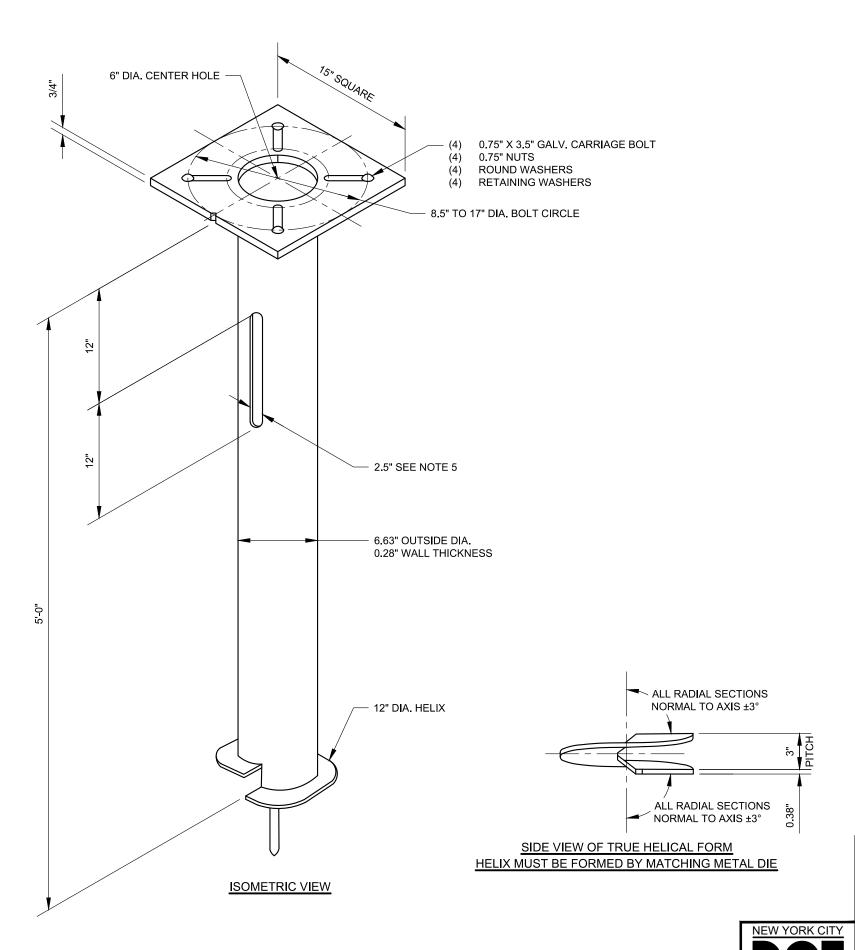
BOLTS: CARRIAGE BOLT' 3/4-10UNC--2A PER ANSI B18.5, SAE J429

> HEAVY HEX NUT PER ASTM A194 GRADE 2H OR ASTM 563 GRADE DH, MEETING SUPPLEMENTARY REQUIREMENTS

OF ASTM A563; 1-8UNC-2B PER ANSI B18.2.2.

- 10. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION "ABC" IN 1/2" LETTERS AND THE JULIAN DATE CODE IN
- 11. BASEPLATE PERMANENTLY MARKED TO INDICATE CABLEWAY OPENING IN SHAFT.
- 12. FOUNDATION SHALL BE AS PER "HUBBELL POWER SYSTEMS" CAT. NO. T1121702, OR APPROVED EQUAL.

				REVISION	DEPARTMENT OF TRANSPORTATION						
					34-02	GHTING l.C.,N.Y.11101					
					7' STE	EL FOUNDATION FO	R STANDARD				
TY						25' ALUMINUM LAMPPOST					
☱					SCALE:	OLD DRAWING NO.	DRAWING NO.				
	NO	DATE	BY	DESCRIPTION	AS NOTED	5320	FDN-013				
	NO	DAIL	ы	DESCRIPTION							



- 1. FINISH: HOT DIPPED GALVANIZED PER ASTM-A153 (LATEST REVISION).
- 2. BASE PLATE TO BE PERPENDICULAR TO THE SHAFT AXIS (± 1") AND HOLE CENTERLINE CONCENTRIC (±0.188) TO SHAFT AXIS.
- 3. STENCIL MIN. 1/2" LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.
- 4. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (±0.125 FIM) AND IN LINE (±2")
- 5. FLAME CUT TWO SLOTS IN SHAFT PERPENDICULAR TO THE BASEPLATE.
- 6. PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND PILOT POINT ON ALL WELDED AREAS.
- 7. FLAMECUTTING OF IRREGULARITIES IS PERMISSIBLE: (1) VALLEYS NOT TO EXCEED 3/32" BELOW NOMINAL SURFACE LEVEL. (2) PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 1/32 IN. ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
- 8. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
- 9. ALL MATERIAL TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:

BASEPLATE: ASTM A36 -(LATEST REVISION) STRUCTURAL STEEL

SHAFT: ASTM A252 -(LATEST REVISION) GRADE 2 STEEL PIPE PILES.

ALTERNATE MATERIAL: ASTM Á53 -(LATEST REVISION) TYPE E OR S,

GRADE B, STEEL PIPE OR ASTM A500 -(LATEST REVISION) GRADE B,

STRUCTURAL STEEL TUBING.

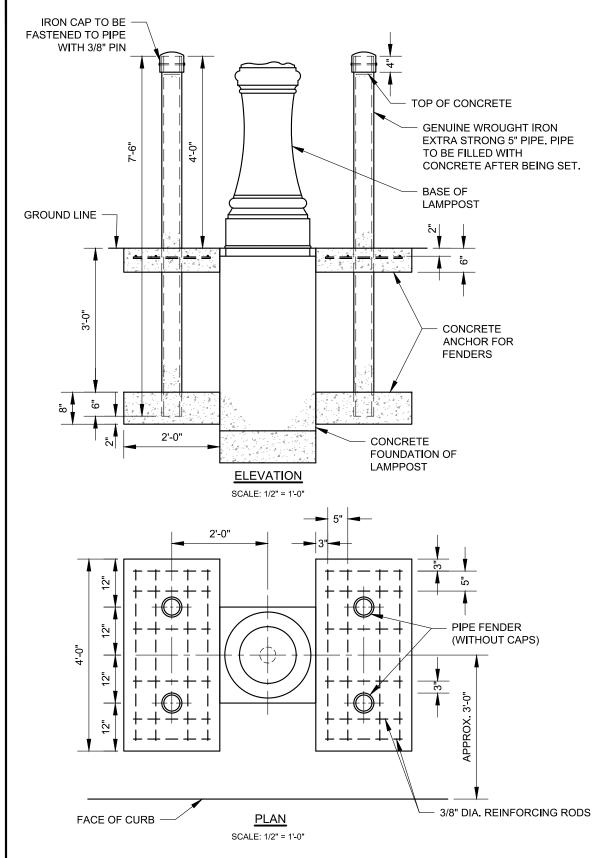
HELIX: ASTM A635 -(LATEST REVISION) 3/8" THICK HOT ROLLED STEEL

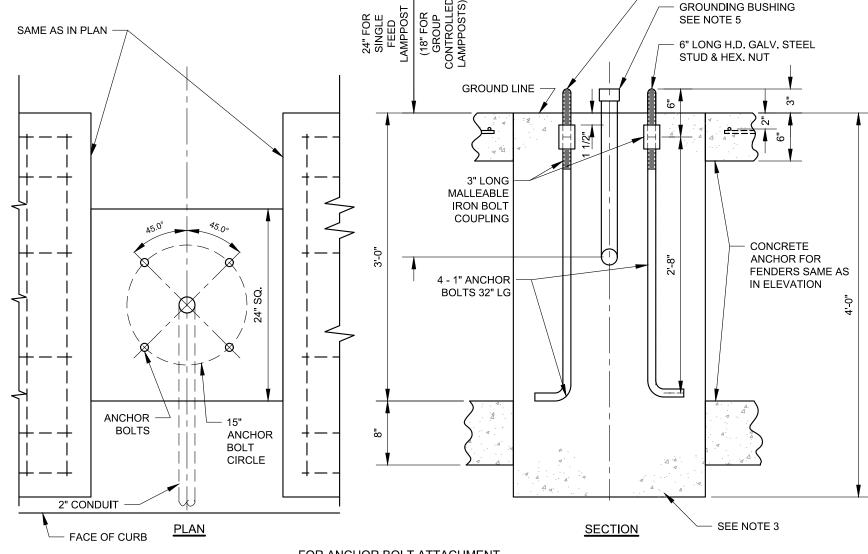
PLATE OR COIL.

PILOT POINT: ASTM A575 -(LATEST REVISION) 1-1/4" DIA. HOT ROLLED STEEL BAR. CARRIAGE BOLT' 3/4-10UNC-2A PER ANSI B18.5, SAE J429 GRADE 5.

- 10. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION "ABC" IN 1/2" LETTERS AND THE JULIAN DATE CODE IN 1/4" LETTERS.
- 11. BASEPLATE PERMANENTLY MARKED TO INDICATE CABLEWAY OPENING IN SHAFT.
- 12. FOUNDATION SHALL BE AS PER "HUBBELL POWER SYSTEMS" CAT. NO. T1121700, OR APPROVED EQUAL.

		REVISION		DIVISION OF STREET LI				
				5' STEEL FOUNDATION FOR PARK TYPE LAMPPOST				
	1		SCALE:	OLD DRAWING NO.	DRAWING NO.			
D DATE	BY	DESCRIPTION	1 1/2" = 1'-0"	5319	FDN-014			
	D DATE	D DATE BY		34-02 SCALE: 1 1/2" = 1'-0"	5' STEEL FOUNDATION PARK TYPE LAMPING NO. SCALE: OLD DRAWING NO.			





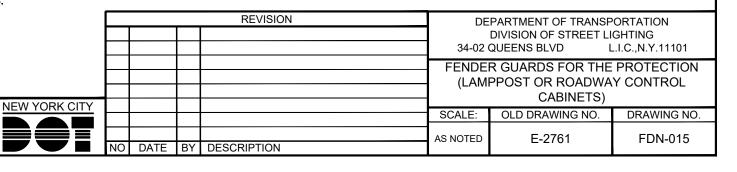
FOR ANCHOR BOLT ATTACHMENT

SCALE: 1" = 1'-0"

NOTES:

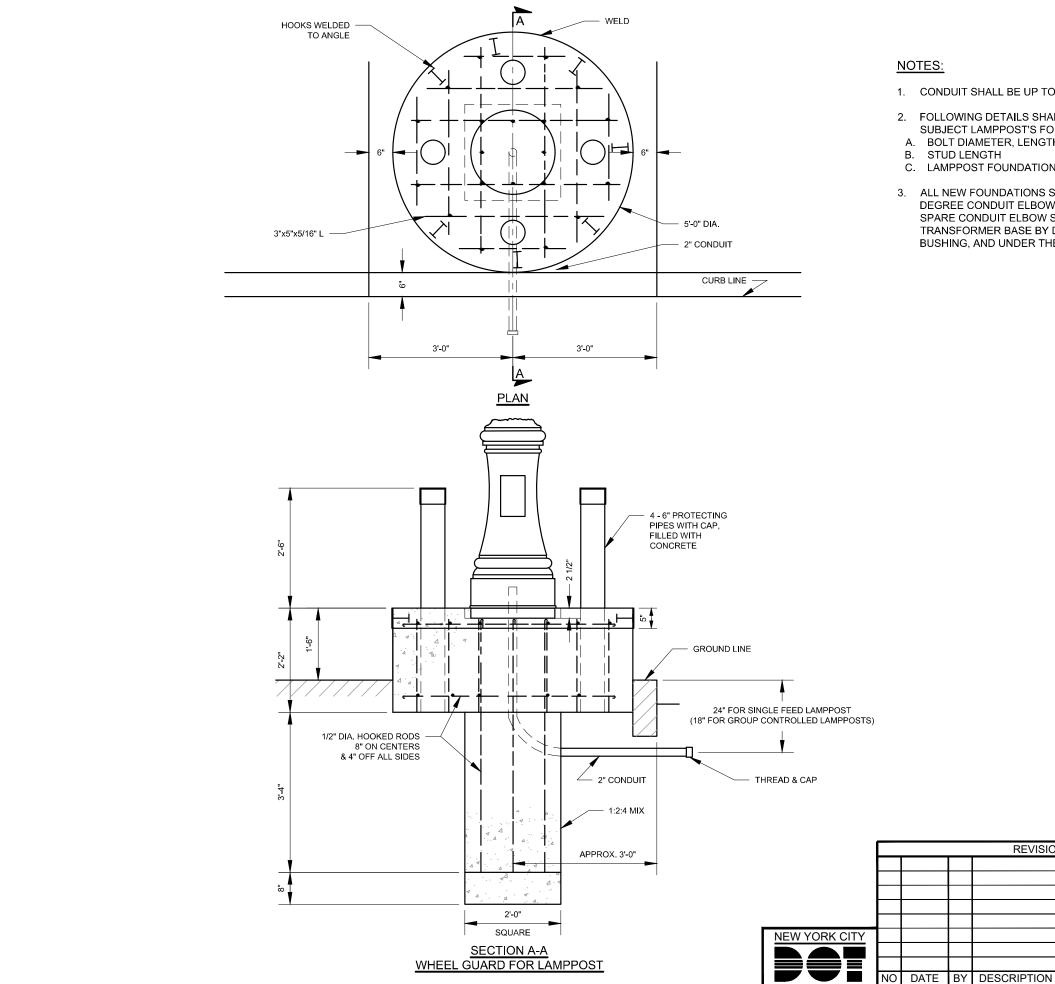
- THE SAME METHOD OF INSTALLATION AND CONSTRUCTION SHALL BE FOLLOWED WHERE THE PLACING OF ONLY TWO FENDERS ON ONE SIDE OF AN EXISTING LAMPPOST IS REQUIRED.
- 2. CONCRETE MIX FOR LAMPPOST FOUNDATION SHALL BE 1:2:4.
- 3. FOLLOWING DETAILS SHALL CONFORM TO STANDARD DRAWING FOR SUBJECT LAMPPOST'S FOUNDATION:
- A. $\,\,$ BOLT DIAMETER, LENGTH AND BOLT CIRCLE
- . STUD LENGTH
- C. LAMPPOST FOUNDATION DETAILS.

- 4. ALL NEW FOUNDATIONS SHALL HAVE A MINIMUM OF TWO AT 180 DEGREE CONDUIT ELBOWS. ONE FOR SERVICE AND ONE AS A SPARE. SPARE CONDUIT ELBOW SHALL BE CLOSED BOTH ENDS, IN THE TRANSFORMER BASE BY DURABLE COVER AT THE GROUNDING BUSHING, AND UNDER THE CURB BY H.D. GALVANIZED STEEL PIPE CAP.
- 5. CONDUIT SHALL BE UP TO THE BOTTOM OF LAMPPOST HAND HOLE.



6" LONG H.D. GALV. STEEL STUD & HEX. NUT

OOT STREET LIGHTING STANDARD DRAWINGS, 2019-10-30

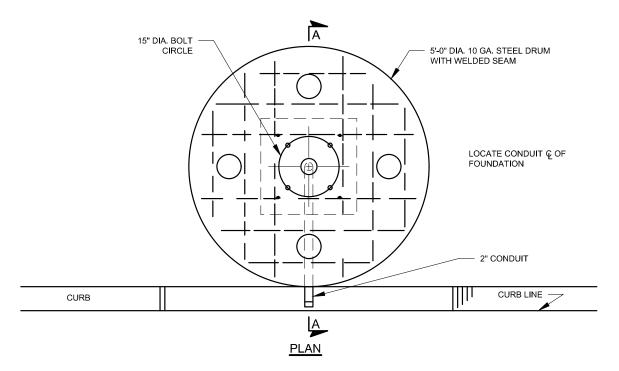


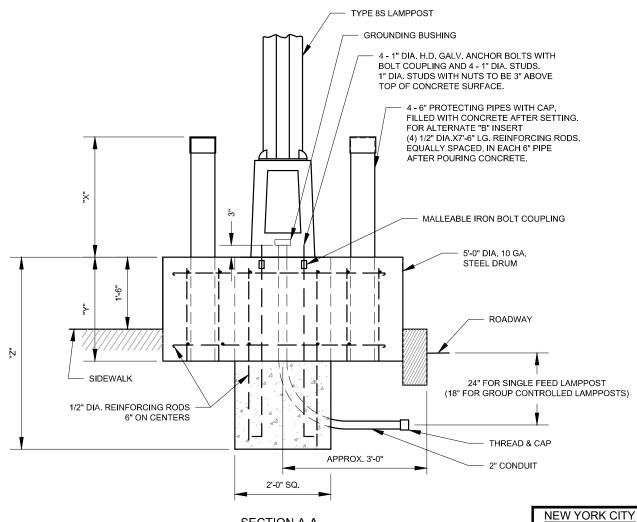
- 1. CONDUIT SHALL BE UP TO THE BOTTOM OF LAMPPOST HAND HOLE.
- 2. FOLLOWING DETAILS SHALL CONFORM TO STANDARD DRAWING FOR SUBJECT LAMPPOST'S FOUNDATION:
- A. BOLT DIAMETER, LENGTH AND BOLT CIRCLE
- B. STUD LENGTH
- C. LAMPPOST FOUNDATION DETAILS.
- 3. ALL NEW FOUNDATIONS SHALL HAVE A MINIMUM OF TWO AT 180 DEGREE CONDUIT ELBOWS. ONE FOR SERVICE AND ONE AS A SPARE. SPARE CONDUIT ELBOW SHALL BE CLOSED BOTH ENDS, IN THE TRANSFORMER BASE BY DURABLE COVER AT THE GROUNDING BUSHING, AND UNDER THE CURB BY H.D. GALVANIZED STEEL PIPE CAP.

REVISION DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C., N.Y.11101 DETAILS FOR WHEEL GUARD

FOR VARIOUS LAMPPOSTS

SCALE: OLD DRAWING NO. DRAWING NO. 1/2" = 1'-0" D-3044 FDN-016





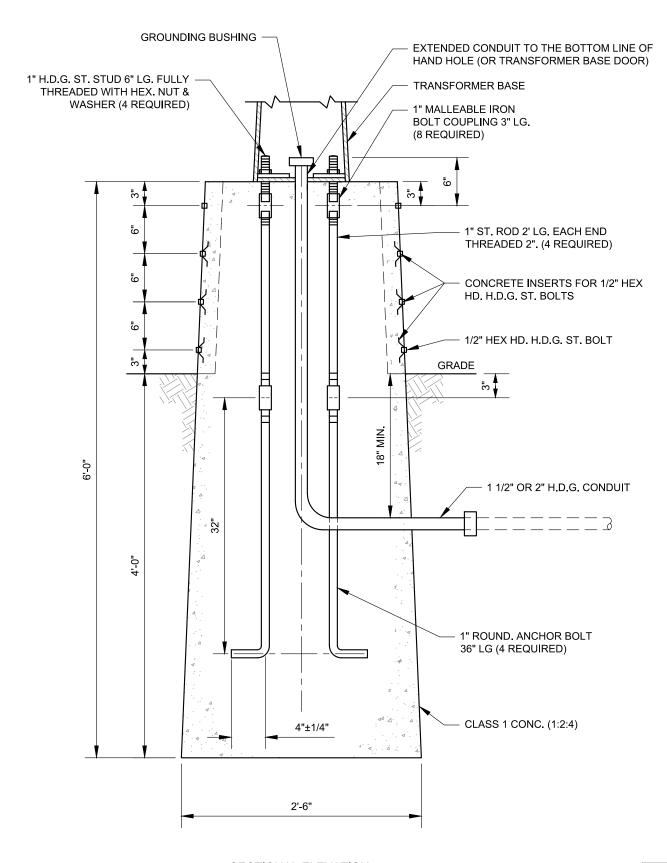
SECTION A-A

WHEEL GUARD FOR LAMPPOST

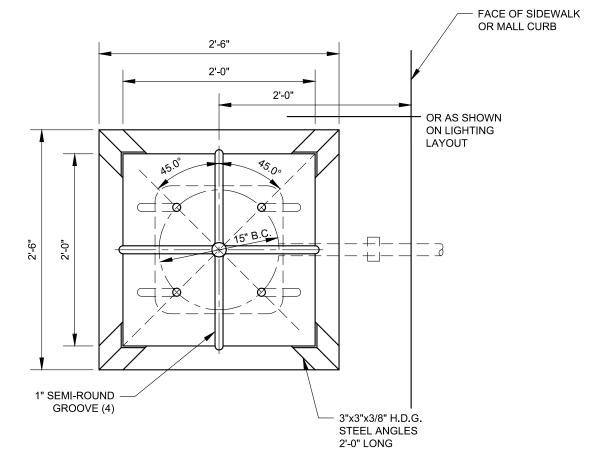
	ALTERNATE "A"	ALTERNATE "B"
DIMENSION "X"	2'-6"	4'-6"
DIMENSION "Y"	2'-2"	3'-0"
DIMENSION "Z"	4'-0"	5'-0"

NOTE:

- 1. CONCRETE MIXTURE TO BE 1:2:4 ALTERNATE "B" SHALL BE USED IN AREAS SUBJECT TO HEAVY TRUCK TRAFFIC.
- LAMPPOST FOUNDATION DETAILS SHALL CONFORM TO NYC DOT STREET LIGHTING STANDARD DRAWING FDN-001.



SECTIONAL ELEVATION



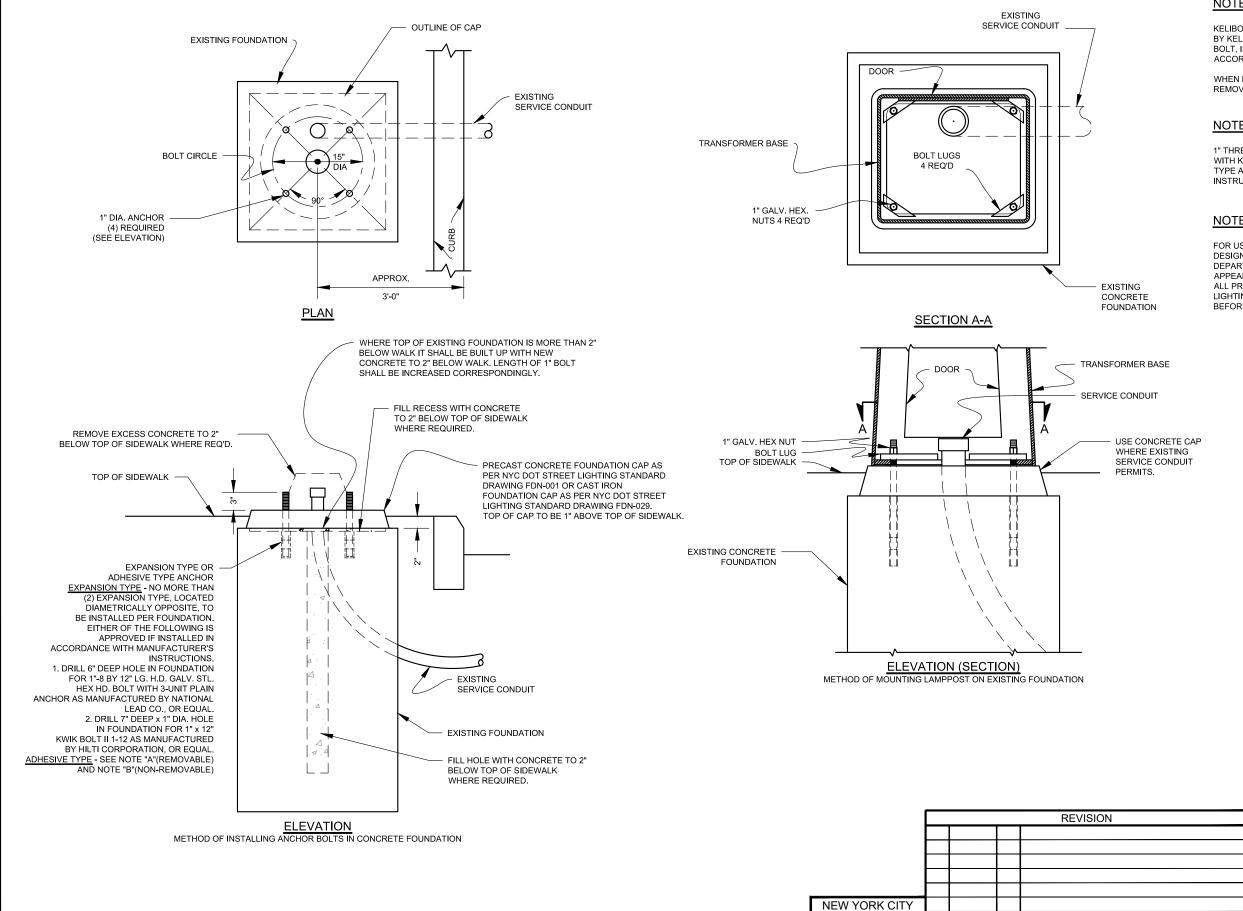
<u>PLAN</u>

NOTES:

- 1. BOLT CIRCLE OF 15" IS FOR USE OF TRANSFORMER BASE.
- 2. ALL NEW FOUNDATIONS SHALL HAVE A MINIMUM OF TWO AT 180 DEGREE CONDUIT ELBOWS. ONE FOR SERVICE AND ONE AS A SPARE. SPARE CONDUIT ELBOW SHALL BE CLOSED BOTH ENDS, IN THE TRANSFORMER BASE BY DURABLE COVER AT THE GROUNDING BUSHING, AND UNDER THE CURB BY H.D. GALV STEEL PIPE.
- 3. THIS DRAWING IS FOR USE WITH TYPE 8S TYPE LAMPPOST WITH A TRANSFORMER BASE. FOR USE WITH OTHER LAMPPOST TYPES A DETAILED STRUCTURAL DESIGN OF THE FOUNDATION RECESS SHALL BE SUBMITTED TO THIS DEPARTMENT FOR APPROVAL. THE LICENSED ENGINEER SEAL SHALL APPEAR ON ALL SUBMITTALS. THE FOLLOWING NOTE SHALL APPEAR ON ALL PRINTS: "CONTRACTOR SHALL NOTIFY DIVISION OF STREET LIGHTING INSPECTION AT (212) 839-3322 APPROXIMATELY 72 HOURS BEFORE COMMENCING WORK."

				REVISION	DEPARTMENT OF TRANSPORTATION					
					DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101					
					BUMPER PROTECTION FOR 8S LAMPPOST					
Υ										
					SCALE:	OLD DRAWING NO.	DRAWING NO.			
					1" = 1'-0"	D-5097	FDN-018			
	NO	DATE	BY	DESCRIPTION						

)T STREET LIGHTING STANDARD DRAWINGS, 2019-10-3C



NOTE "A"

KELIBOND "LEFTY" STUD ANCHOR WITH KELIGROUT, AS MANUFACTURED BY KELKEN-GOLD INC., OR EQUAL, IN LIEU OF EXPANSION TYPE ANCHOR BOLT, IS AN APPROVED ADHESIVE TYPE ANCHOR IF INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

WHEN MODIFYING SPIDER TYPE FOUNDATION, THE 1 1/2" BOLT SHALL BE REMOVED FLUSH WITH TOP OF HOLE IN FOUNDATION.

NOTE "B"

1" THREADED ROD WITH HILTI CORP. C-100 RESIN AND 1" THREADED ROD WITH KELKEN-GOLD INC. KELIGROUT, OR EQUAL, ARE APPROVED ADHESIVE TYPE ANCHORS IF INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ROD SHALL BE HDG. STEEL.

NOTE "C"

FOR USE WITH OTHER LAMPPOST TYPES, A DETAILED STRUCTURAL DESIGN OF THE FOUNDATION RECESS SHALL BE SUBMITTED TO THIS DEPARTMENT FOR APPROVAL. THE LICENSED ENGINEER SEAL SHALL APPEAR ON ALL SUBMITTALS. THE FOLLOWING NOTE SHALL APPEAR ON ALL PRINTS: "CONTRACTOR SHALL NOTIFY DIVISION OF STREET LIGHTING INSPECTION AT (212) 839-3322 APPROXIMATELY 72 HOURS BEFORE COMMENCING WORK."

> DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C., N.Y.11101

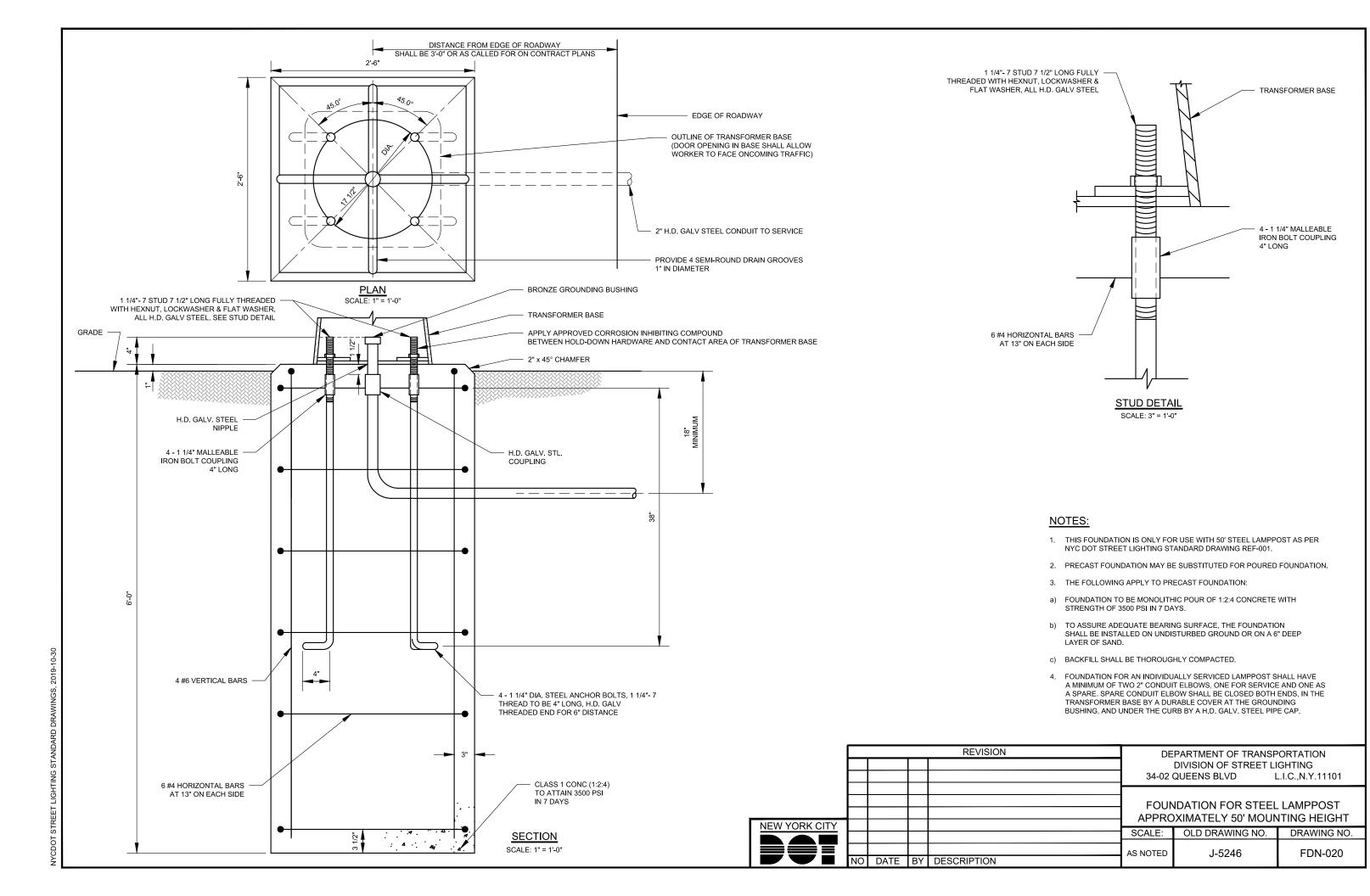
MODIFICATION TO EXIST CONCRETE FOUNDATION FOR MOUNTING TYPE 8S LAMPPOST

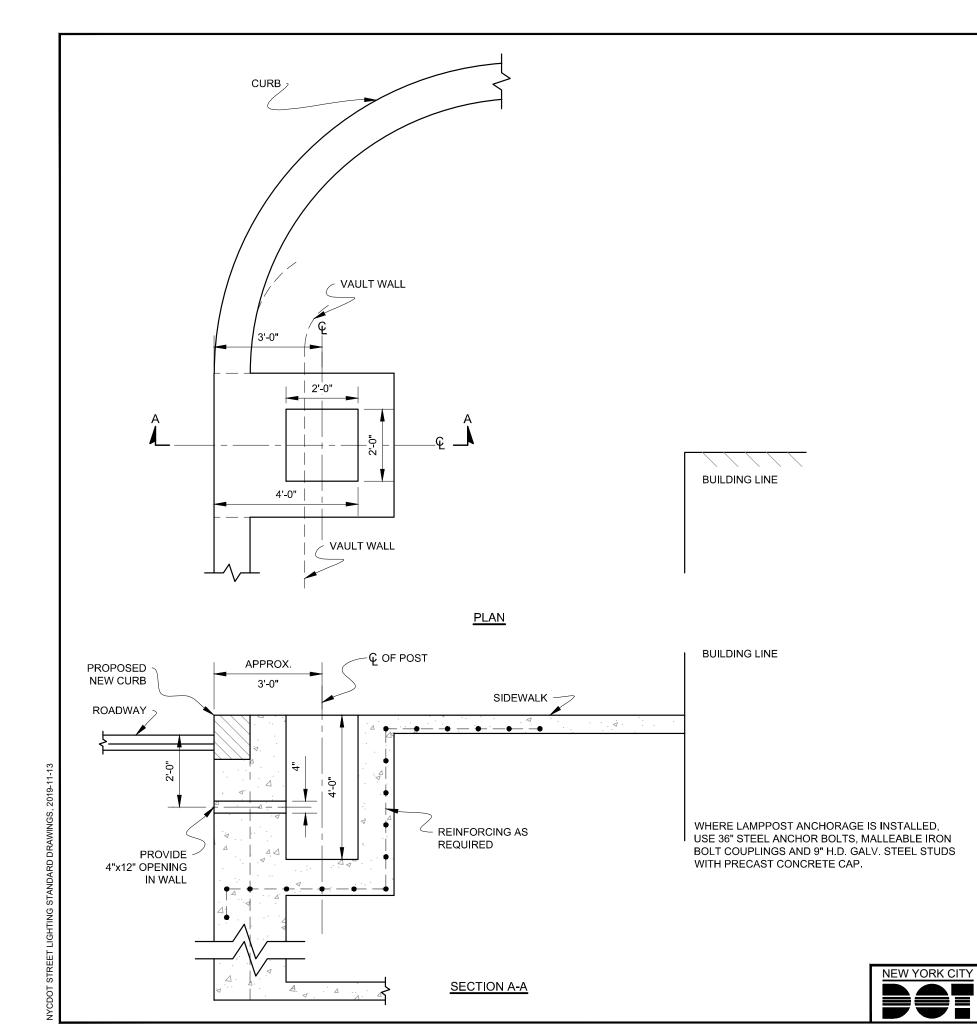
SCALE:

N.T.S.

DATE BY DESCRIPTION

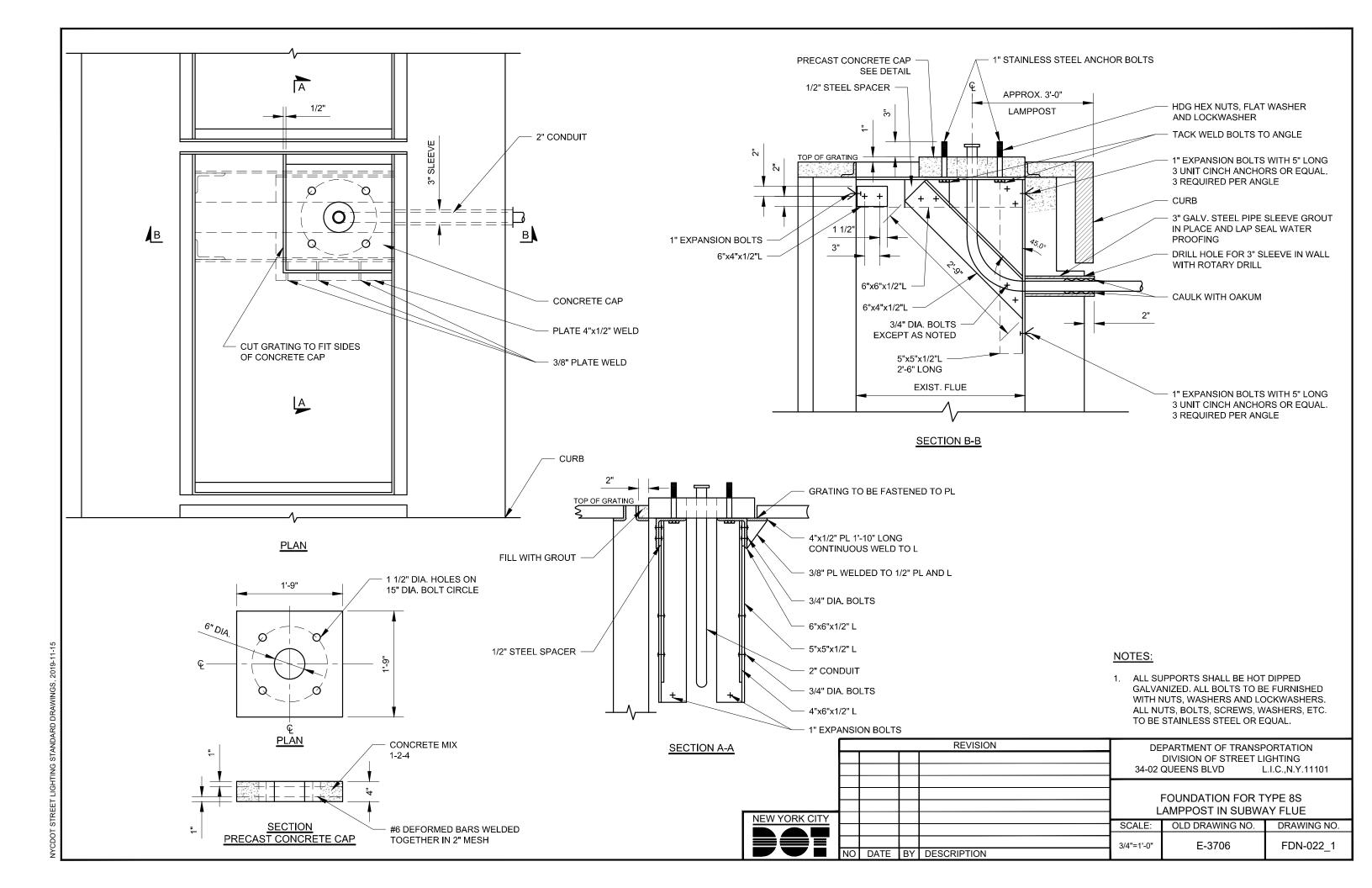
OLD DRAWING NO. DRAWING NO. E-3635 FDN-019

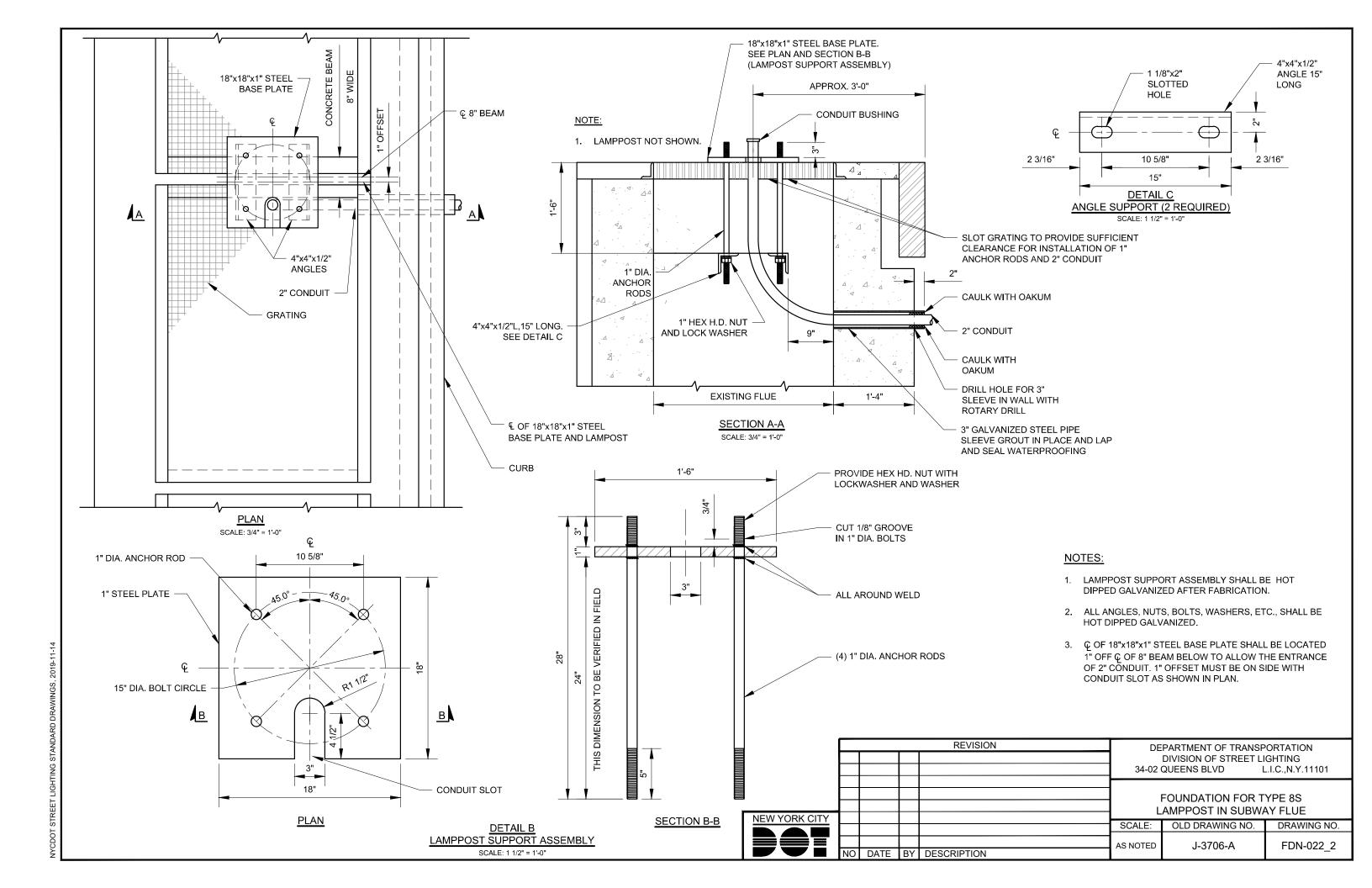


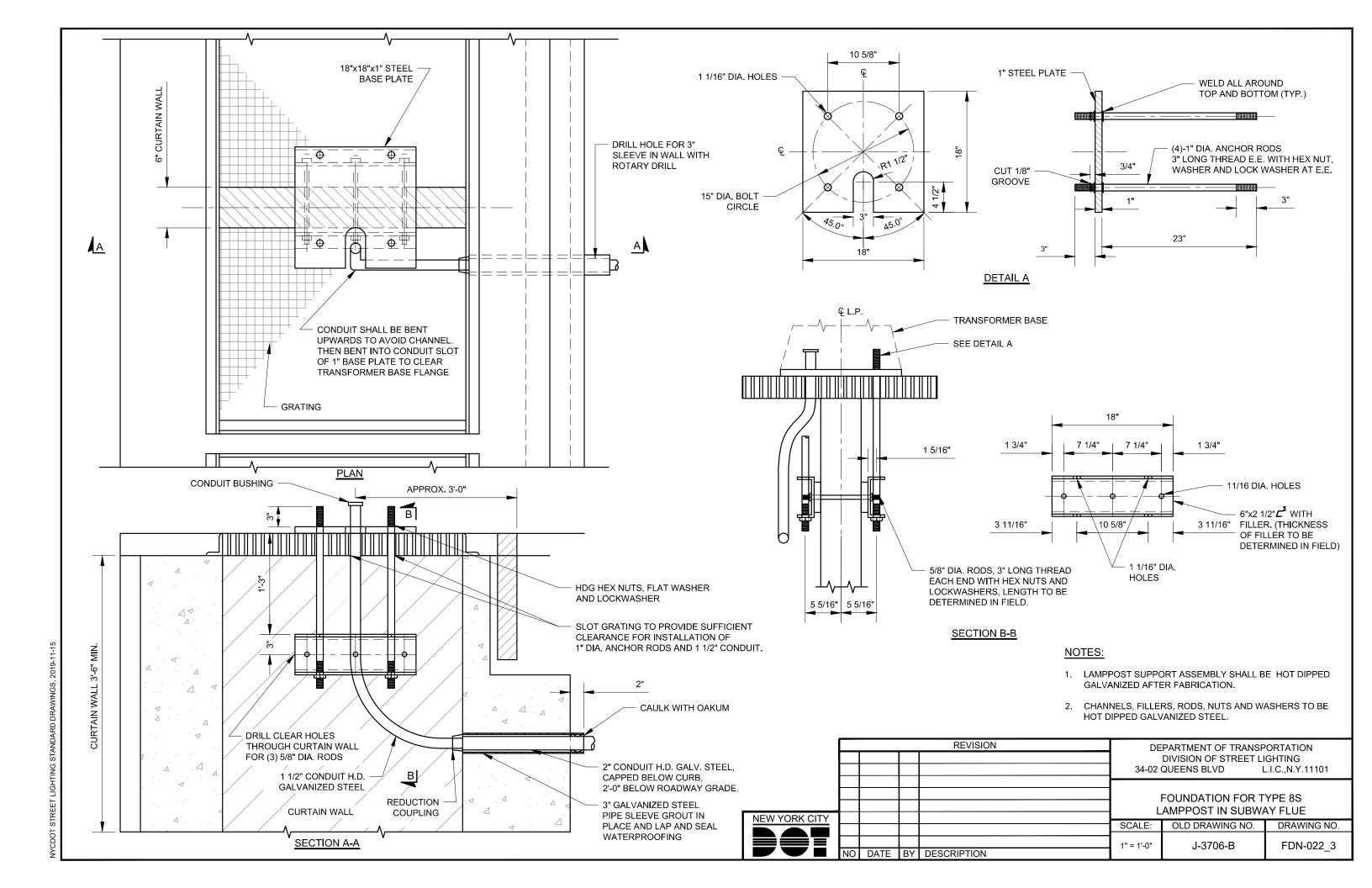


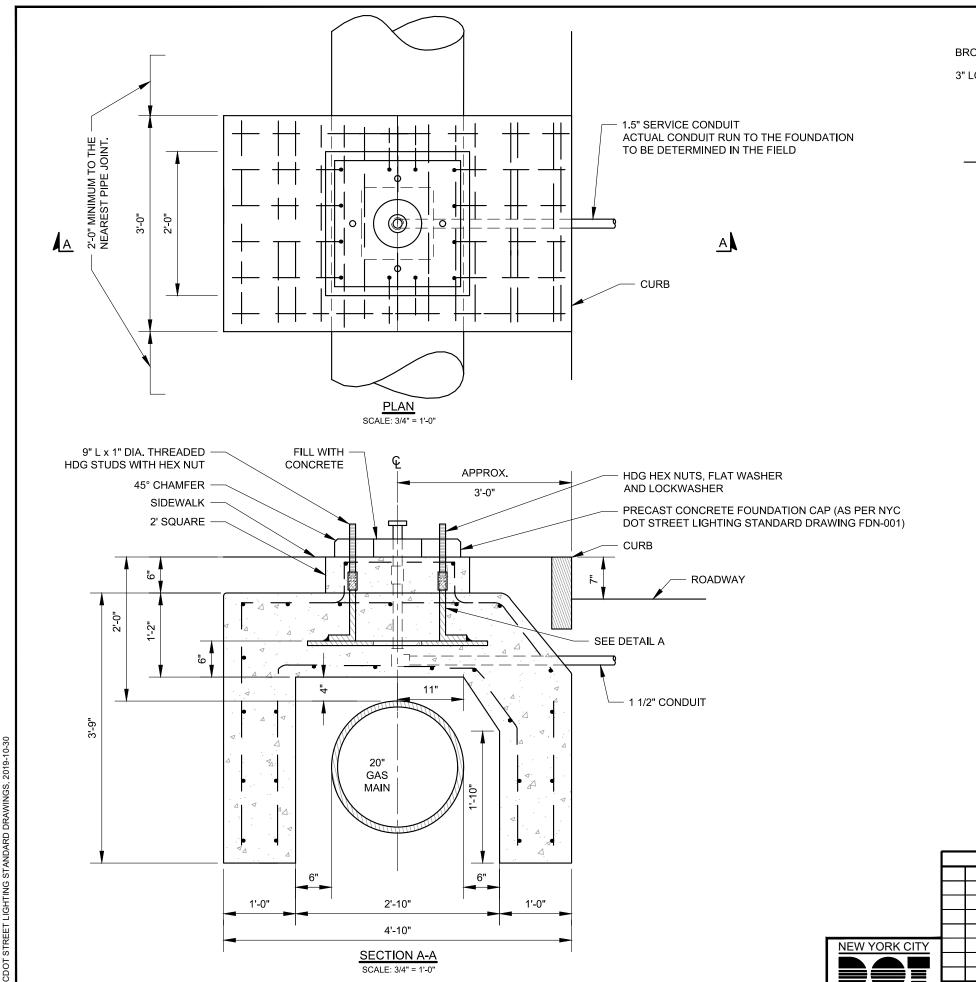
- 1. THIS DRAWING APPLIES TO SIZE AND LOCATION OF LAMPPOST FOUNDATION FROM CURB LINE.
- 2. BEFORE PROCEEDING WITH THE CONSTRUCTION, A DETAILED STRUCTURAL DESIGN OF THE FOUNDATION RECESS SHALL BE SUBMITTED TO THIS DEPARTMENT FOR APPROVAL. THE LICENSED ENGINEER SEAL SHALL APPEAR ON ALL SUBMITTALS. THE FOLLOWING NOTE SHALL APPEAR ON ALL PRINTS: "CONTRACTOR SHALL NOTIFY DIVISION OF STREET LIGHTING INSPECTION AT (212) 839-3322 APPROXIMATELY 72 HOURS BEFORE COMMENCING WORK."

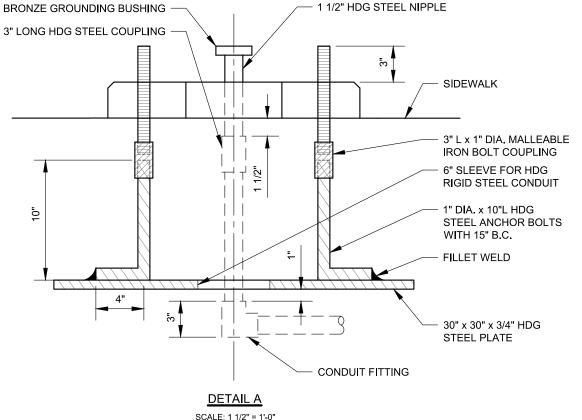
1				REVISION	DEPARTMENT OF TRANSPORTATION				
					DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101				
					LAMPPOST IN VAULT				
١					SCALE:	OLD DRAWING NO.	DRAWING NO.		
	NO	DATE	BY	DESCRIPTION	3/8" = 1'-0"	D-3434	FDN-021		



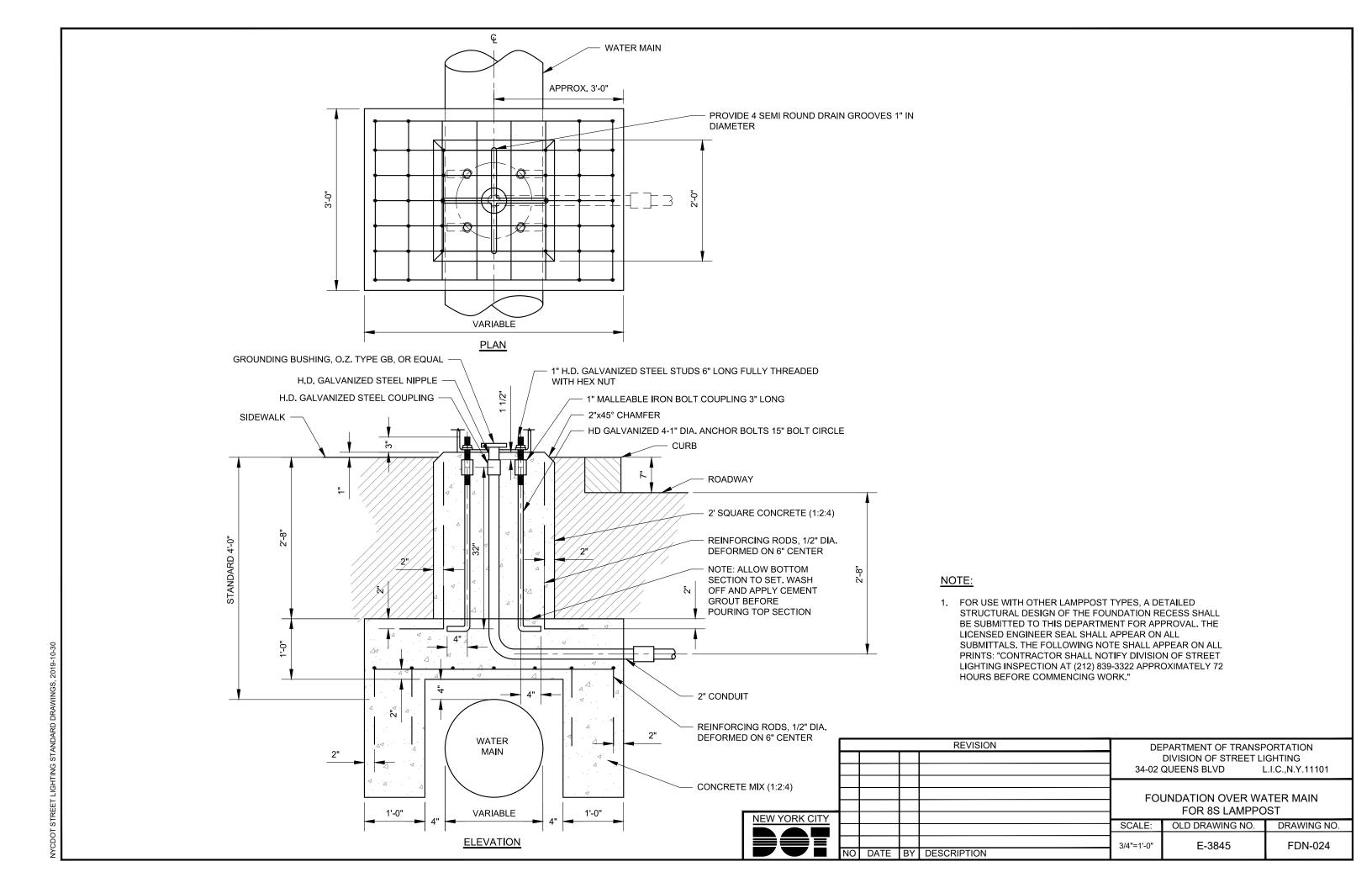


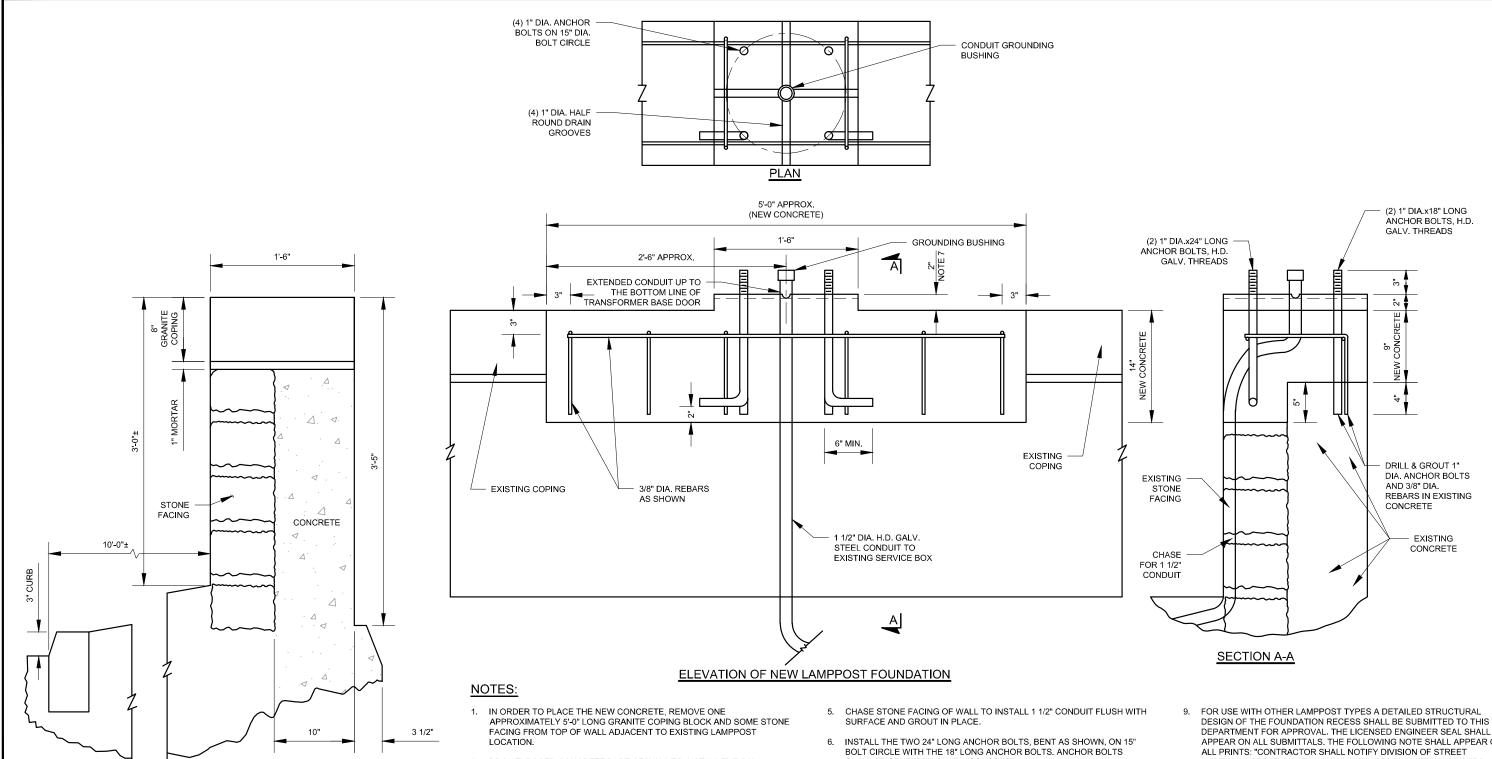




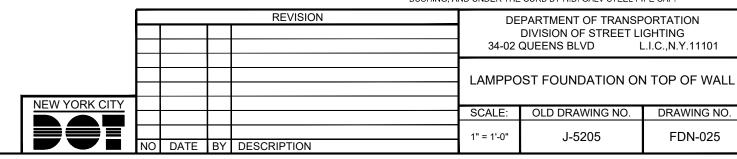


- 1. REINFORCING RODS SHALL BE 1/2" DIA. DEFORMED ON 6" CENTERS. CONCRETE MIX 1:2:4.
- 2. FOR USE WITH OTHER LAMPPOST TYPES, A DETAILED STRUCTURAL DESIGN OF THE FOUNDATION RECESS SHALL BE SUBMITTED TO THIS DEPARTMENT FOR APPROVAL. THE LICENSED ENGINEER SEAL SHALL APPEAR ON ALL SUBMITTALS. THE FOLLOWING NOTE SHALL APPEAR ON ALL PRINTS: "CONTRACTOR SHALL NOTIFY DIVISION OF STREET LIGHTING INSPECTION AT (212) 839-3322 APPROXIMATELY 72 HOURS BEFORE COMMENCING WORK".



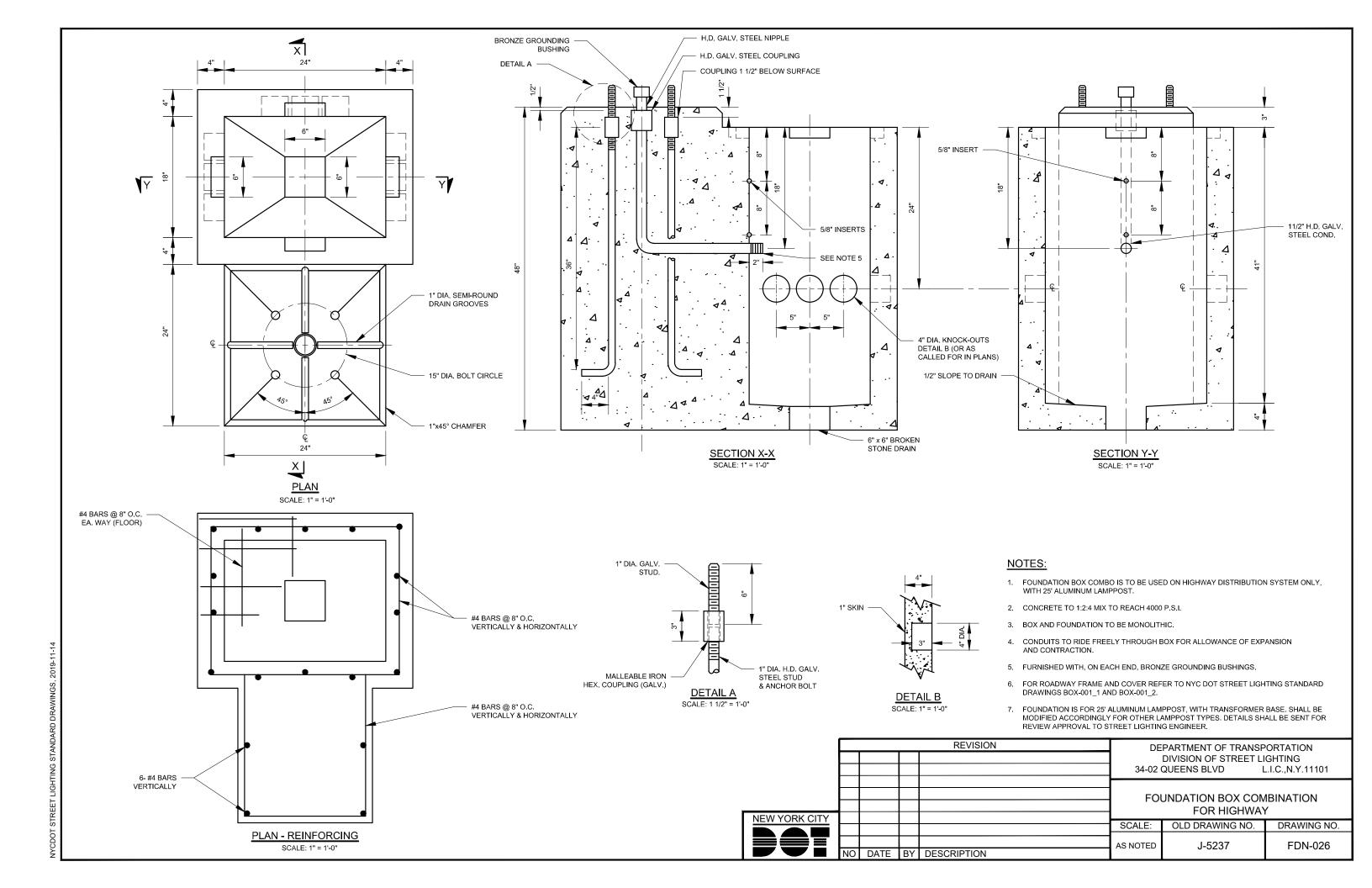


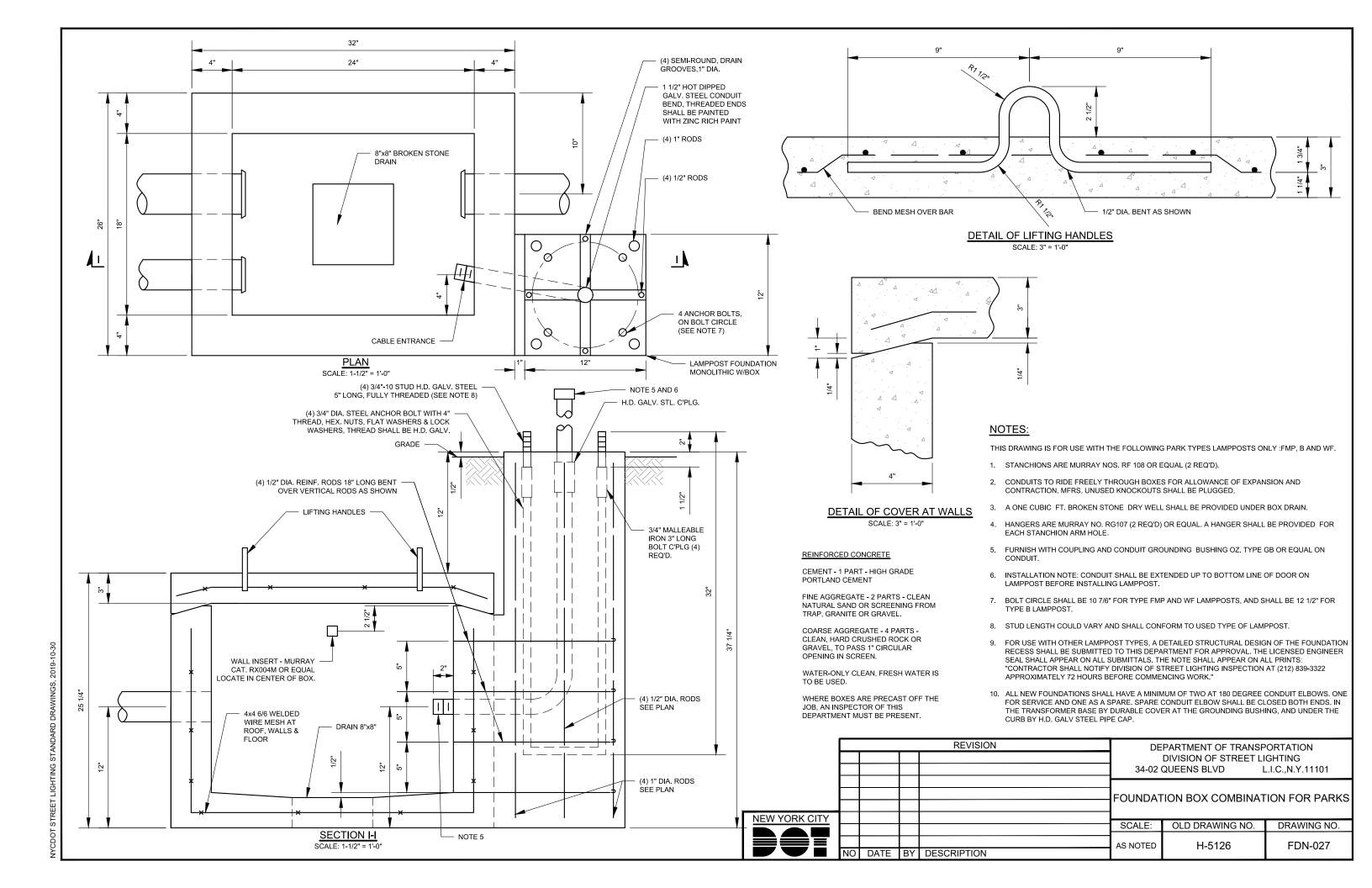
- 2. DRILL EXPOSED CONCRETE PART OF WALL TO INSTALL THE SIX TRANSVERSE REBARS AND THE TWO 18" LONG ANCHOR BOLTS ON 15" BOLT CIRCLE.
- 3. GROUT REBARS AND ANCHOR BOLTS IN PLACE.
- 4. TIE THE TWO LONGITUDINAL REBARS TO THE SIX TRANSVERSE REBARS.
- 6. INSTALL THE TWO 24" LONG ANCHOR BOLTS, BENT AS SHOWN, ON 15" BOLT CIRCLE WITH THE 18" LONG ANCHOR BOLTS. ANCHOR BOLTS SHALL BE CENTERED IN NEW CONCRETE.
- 7. PLACE NEW CONCRETE AND PROVIDE 1'-6"x1'-6"x2" HIGH CAP WITH 1" DIAMETER HALF ROUND DRAIN GROOVES.
- 8. THIS DRAWING IS FOR USE WITH TYPE 8S LAMPPOST WITH TRANSFORMER BASE.
- DESIGN OF THE FOUNDATION RECESS SHALL BE SUBMITTED TO THIS DEPARTMENT FOR APPROVAL. THE LICENSED ENGINEER SEAL SHALL APPEAR ON ALL SUBMITTALS. THE FOLLOWING NOTE SHALL APPEAR ON ALL PRINTS: "CONTRACTOR SHALL NOTIFY DIVISION OF STREET LIGHTING INSPECTION AT (212) 839-3322 APPROXIMATELY 72 HOURS BEFORE COMMENCING WORK."
- 10. ALL NEW FOUNDATIONS SHALL HAVE A MINIMUM OF TWO AT 180 DEGREE CONDUIT ELBOWS. ONE FOR SERVICE AND ONE AS A SPARE. SPARE CONDUIT ELBOW SHALL BE CLOSED BOTH ENDS. IN THE TRANSFORMER BASE BY DURABLE COVER AT THE GROUNDING BUSHING, AND UNDER THE CURB BY H.D. GALV STEEL PIPE CAP.

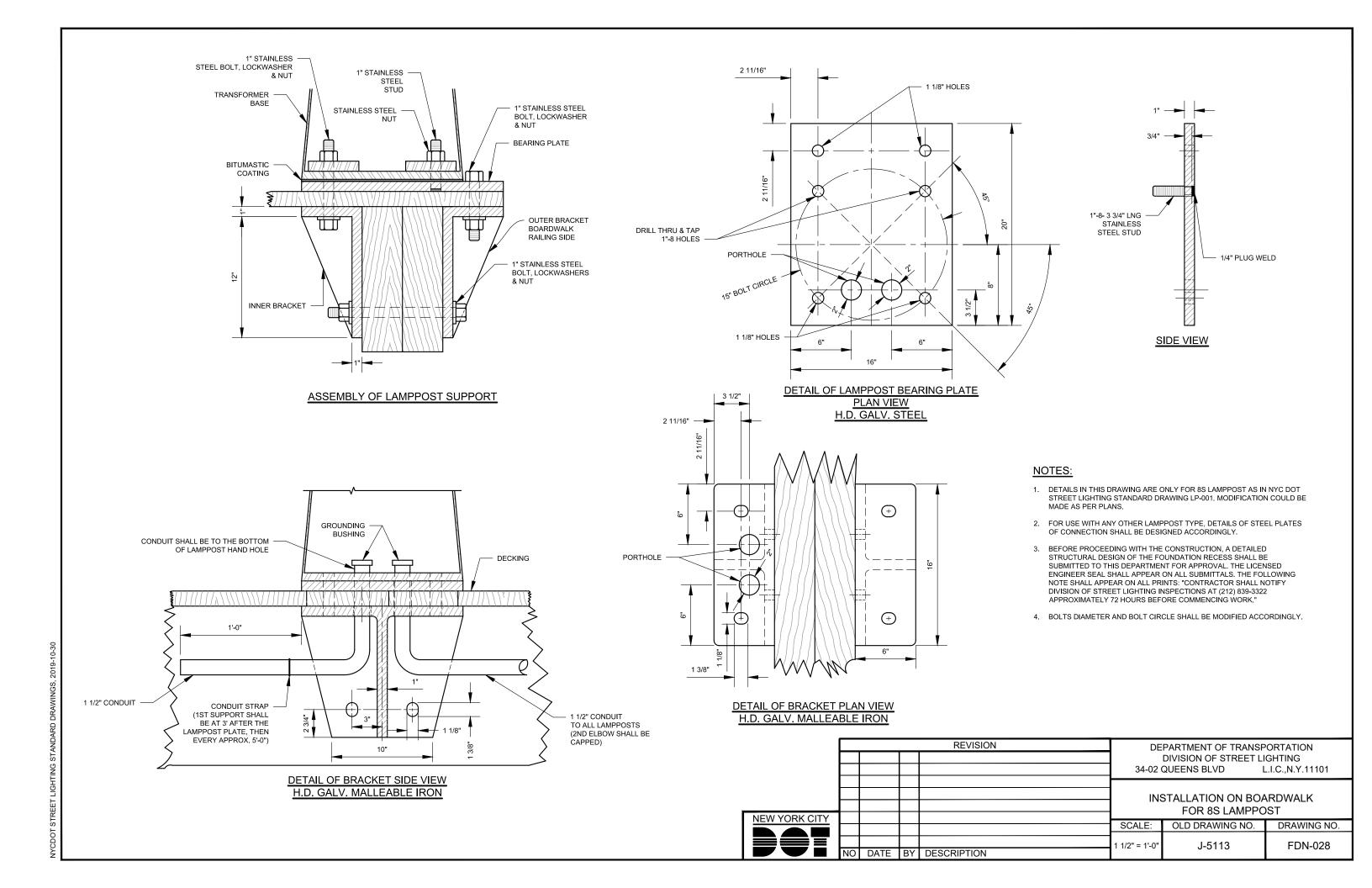


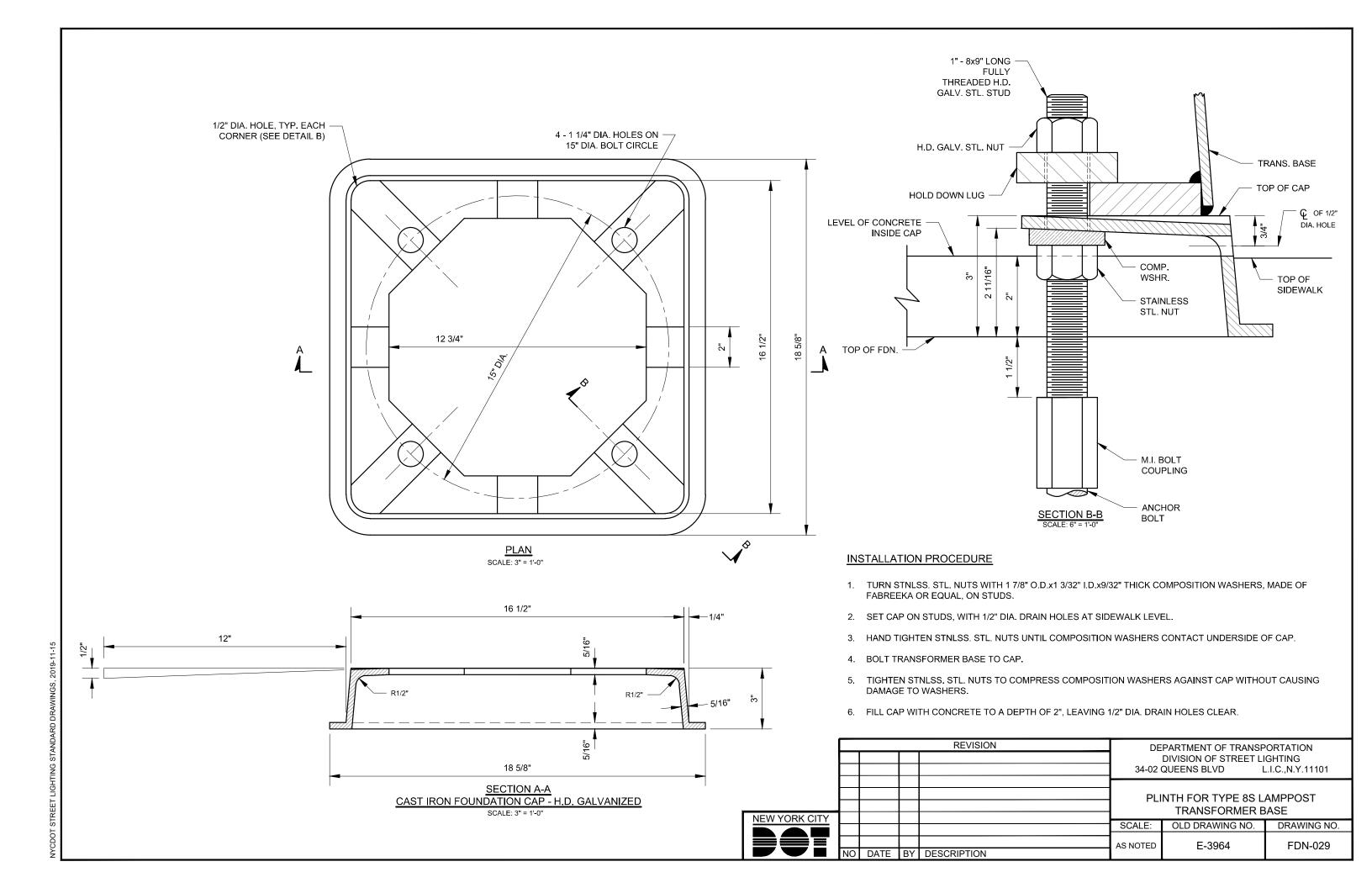
LIGHTING STANDARD DRAWINGS, 2019-11-15

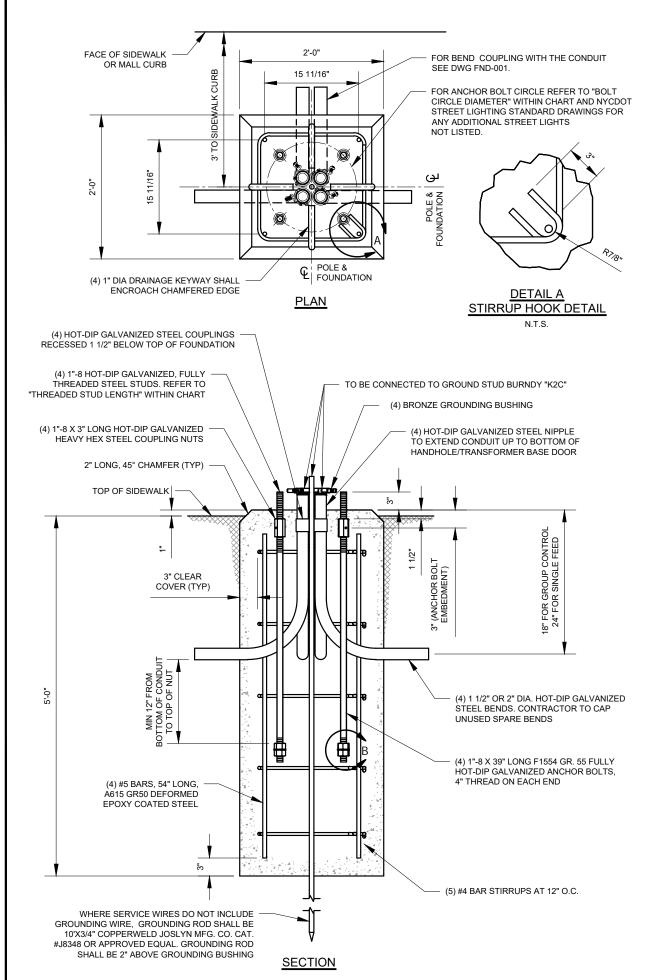
EXISTING CONDITIONS





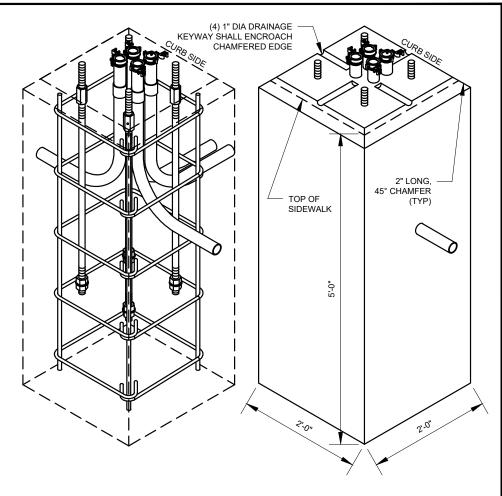






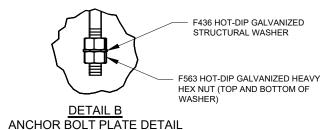
- ON ONE WAY STREETS DOOR OPENING IN BASE SHALL ALLOW WORKER TO FACE APPROACHING TRAFFIC. ON WIDE MALLS OF ROADWAYS DOOR OPENING SHALL ALLOW WORKER TO FACE APPROACHING TRAFFIC IN NEAR LANE.
- FOUNDATION SHALL BE A MONOLITHIC POUR. CONCRETE USED FOR THE SHAFT SHALL BE CLASS A AND HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 4.000 PSI AT 28 DAYS.
- CONCRETE WORK SHALL CONFORM TO THE 2017 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION AND AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS, LATEST EDITION
- ALL NEW FOUNDATIONS SHALL HAVE A MINIMUM OF (4) BENDS. UTILITY BENDS SHALL BE (2) FACING CURB UNLESS OTHERWISE SPECIFIED ON DRAWINGS OR DIRECTED BY THE ENGINEER. ALL SPARE BENDS SHALL BE CAPPED AT BOTH ENDS UTILIZING HOT-DIP GALVANIZED STEEL PIPE CAP.
- 5. NYCDOT SHALL BE NOTIFIED IF THE FOLLOWING IS ENCOUNTERED:
 - FOOTING IS PLACED IN SOFT CLAY OR ORGANIC DEPOSITS. WHEN ROCK IS ENCOUNTERED

 - IF THE GROUNDWATER ELEVATION IS ABOVE THE BOTTOM OF THE FOOTING/SHAFT.
 - UNDERGROUND CONFLICTS, INCLUDING UTILITIES, GAS/WATER/ELECTRIC MAINS, SUBWAY ROOFS, ETC.
- ADEQUATE BEARING SURFACE SHALL BE ENSURED. FOUNDATION SHALL BE INSTALLED ON UNDISTURBED GROUND OR ON 6" DEEP COMPACTED LAYER OF
- ALL NEW FOUNDATION TOP EDGES SHALL HAVE 2" CHAMFERS, AS WELL AS, 1" DIAMETER CHANNELS ON ALL 4 SIDES FOR REMOVAL OF DRAINAGE OF WATER



ISOMETRIC VIEW INTERIOR N.T.S.

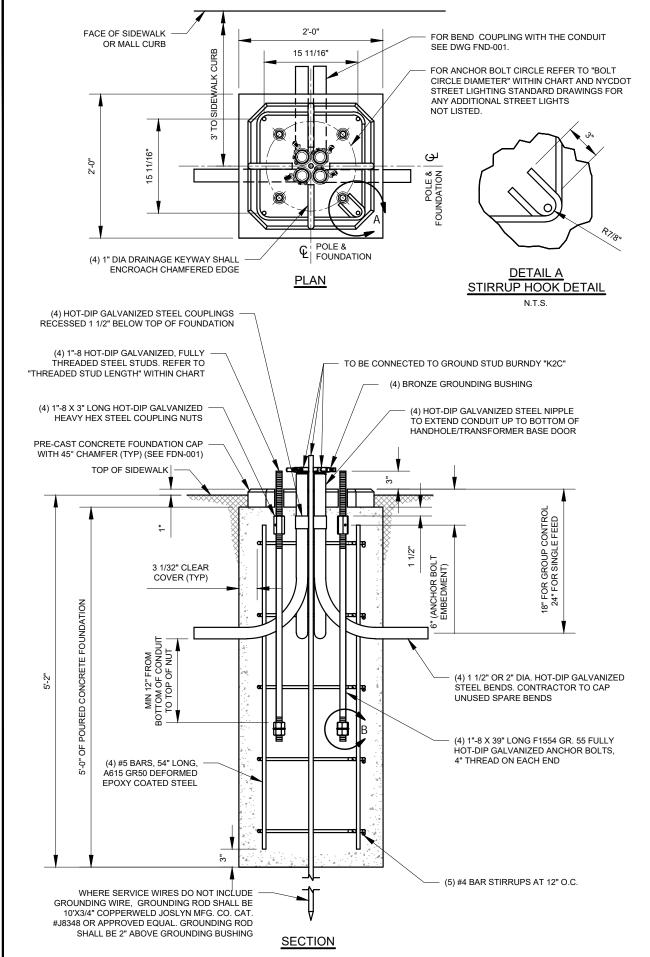
ISOMETRIC VIEW EXTERIOR N.T.S.



N.T.S.

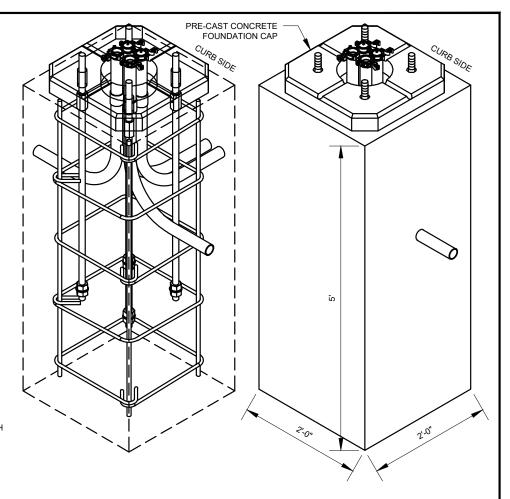
BOLT CIRCLE AND STUD LENGTH TABLE							
STREET LIGHT TYPE	BOLT CIRCLE DIAMETER	THREADED STUD LENGTH					
25' STEEL OCTAGONAL 3 GA	15"	6"					

				REVISION	DEPARTMENT OF TRANSPORTATION		
					DIVISION OF STREET LIGHTING		
					34-02	QUEENS BLVD L	I.C.,N.Y.11101
					FOUND	OATION FOR 5G TELE	COM STREET
					LIGHT	TING SHAFT WITHOU	T PRE-CAST
						ONCRETE FOUNDAT	
NEW YORK CITY			1				
	1	04/2020	DR	1" DRANAGE DIA & FOUND DEPTH MODIFICATION	SCALE:	OLD DRAWING NO.	DRAWING NO.
	0	03/2022	AM	CREATED	3/4" = 1'-0"		FDN-030 1
	NO	DATE	BY	DESCRIPTION	0, 1		1 11 000_1



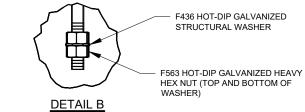
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- CONCRETE WORK SHALL CONFORM TO THE 2017 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION AND AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS,
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- 5. NYCDOT SHALL BE NOTIFIED IF THE FOLLOWING IS ENCOUNTERED:
 FOOTING IS PLACED IN SOFT CLAY OR ORGANIC DEPOSITS.

 - WHEN ROCK IS ENCOUNTERED
 - IF THE GROUNDWATER ELEVATION IS ABOVE THEBOTTOM OF THE FOOTING/SHAFT
 - UNDERGROUND CONFLICTS, INCLUDING UTILITIES, GAS/WATER/ELECTRIC MAINS, SUBWAY ROOFS, ETC.
- ADEQUATE BEARING SURFACE SHALL BE ENSURED. FOUNDATION SHALL BE INSTALLED ON UNDISTURBED GROUND OR ON 6" DEEP COMPACTED LAYER OF SAND.
- ALL NEW FOUNDATION SHALL HAVE PRE-CAST CONCRETE FOUNDATION PADS WITH 45 DEG. CHAMFERS, AS PER NYCDOT STREET LIGHTING DRAWING FDN-001



ISOMETRIC VIEW INTERIOR

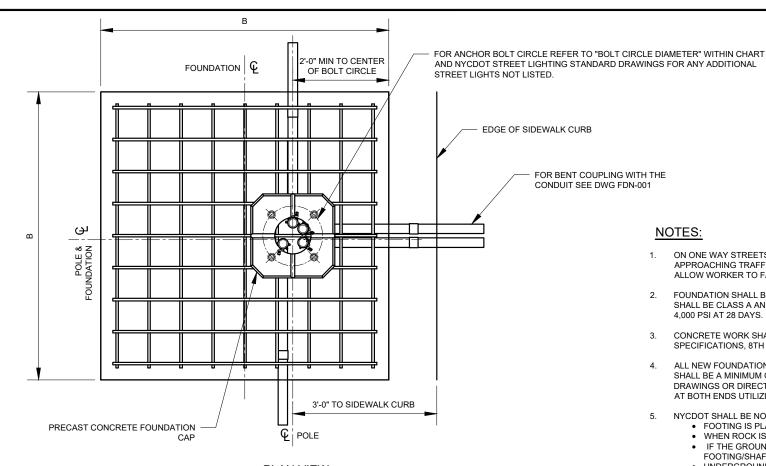
ISOMETRIC VIEW EXTERIOR NTS



ANCHOR BOLT PLATE DETAIL

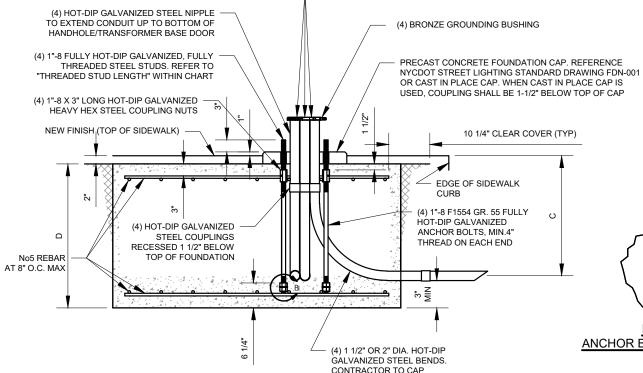
BOLT CIRCLE AND STUD LENGTH TABLE								
STREET LIGHT TYPE	BOLT CIRCLE DIAMETER	THREADED STUD LENGTH						
25' STEEL OCTAGONAL 3 GA	15"	9"						

					_			
				REVISION	DE	DEPARTMENT OF TRANSPORTATION		
						DIVISION OF STREET LI	GHTING	
					34-02 QUEENS BLVD L.I.C.,N.Y.111			
					FOUND	ATION FOR 5G TELE	COM STREET	
					lig	HTING SHAFT WITH	PRF-CAST	
						ONCRETE FOUNDAT		
NEW YORK CITY						ONCILLICIONDAI	IONTAD	
NEW TORKS OFF					SCALE:	OLD DRAWING NO.	DRAWING NO.	
	-				-			
	0	04/2022	AM	CREATED	3/4" = 1'-0"		FDN-030_2	
	ΝО	DATE	BY	DESCRIPTION	1		1 211 000_2	



PLAN VIEW

TO BE CONNECTED TO GROUND STUD BURNDY "K2C"

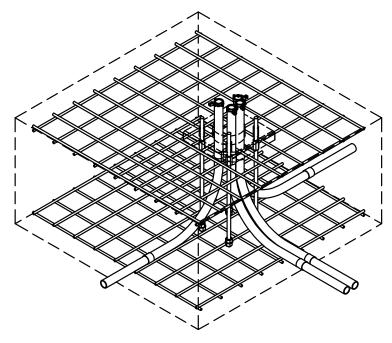


ELEVATION

UNUSED SPARE BENDS

NOTES:

- ON ONE WAY STREETS DOOR OPENING IN BASE SHALL ALLOW WORKER TO FACE APPROACHING TRAFFIC. ON WIDE MALLS OF ROADWAYS DOOR OPENING SHALL ALLOW WORKER TO FACE APPROACHING TRAFFIC IN NEAR LANE.
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- 5. NYCDOT SHALL BE NOTIFIED IF THE FOLLOWING IS ENCOUNTERED:
 - FOOTING IS PLACED IN SOFT CLAY OR ORGANIC DEPOSITS.
 - WHEN ROCK IS ENCOUNTERED
 - IF THE GROUNDWATER ELEVATION IS ABOVE THEBOTTOM OF THE FOOTING/SHAFT.
 - UNDERGROUND CONFLICTS, INCLUDING UTILITIES, GAS/WATER/ELECTRIC MAINS, SUBWAY ROOFS, ETC.
- ADEQUATE BEARING SURFACE SHALL BE ENSURED. FOUNDATION SHALL BE INSTALLED ON UNDISTURBED GROUND OR ON 6" DEEP COMPACTED LAYER OF
- FOUNDATION DESIGN ASSUMED SANDY SOIL WITH A UNIT WEIGHT OF 125 PCF AND AN INTERNAL FRICTION ANGLE OF 30°.
- TOP OF PRECAST CONCRETE FOUNDATION CAP SHALL BE 1" ABOVE SIDEWALK OR



ISOMETRIC VIEW INTERIOR

DEPTH OF	WIDTH OF	DEPTH OF
FOUNDATION (D)	FOUNDATION (B)	CONDUIT (C)
2'-0" TO 2'-5"	6'-9"	Varies 1'-2" to 1'-7"
2'-6" TO 2'-11"	6'-4"	Varies 1'-8" to2'-0"
3'-0" TO 3'-5"	6'-0"	2'-0"
3'-6" TO 3'-11"	5'-10"	2'-0"
4'-0" TO 4'-6"	5'-7"	2'-0"

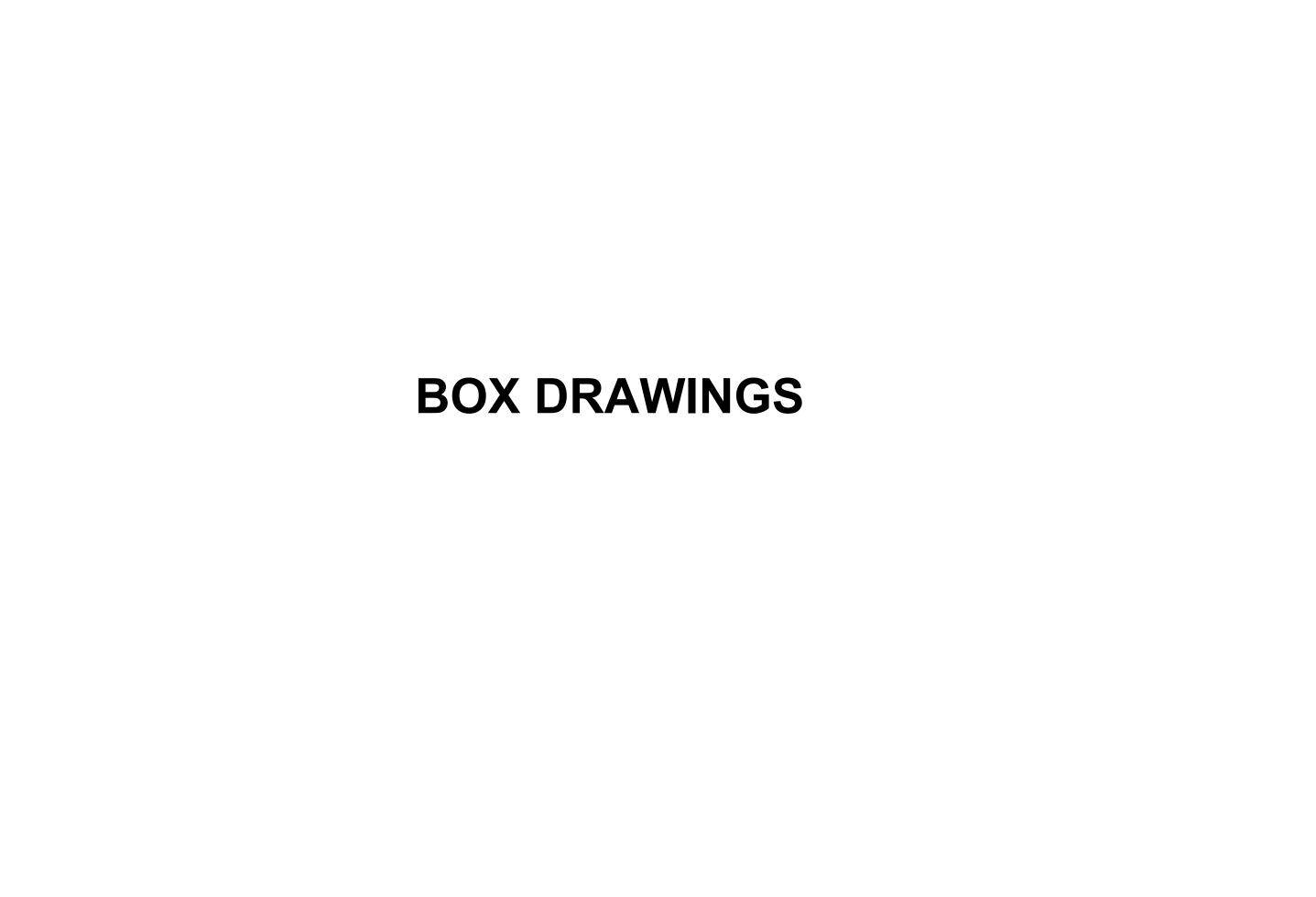
* MIN. CONCRETE COVER BELOW CONDUIT SHALL BE 3". CONDUIT TO BE AS LOW AS POSSIBLE, BUT NOT TO EXCEED 24".

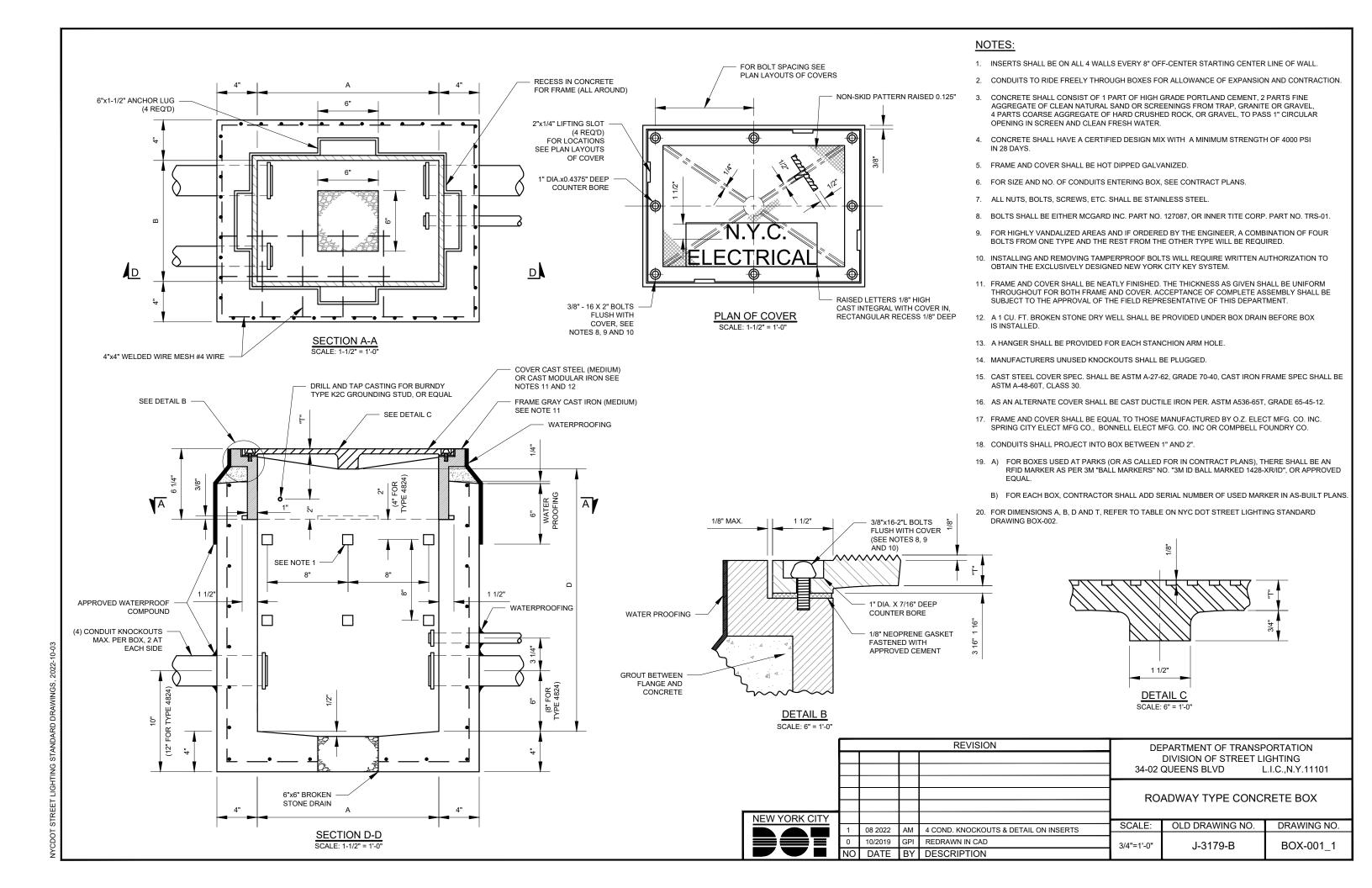
BOLT CIRCLE AND STUD LENGTH TABLE							
STREET LIGHT TYPE	BOLT CIRCLE DIAMETER	THREADED STUD LENGTH					
25' STEEL OCTAGONAL 3 GA	15"	9"					

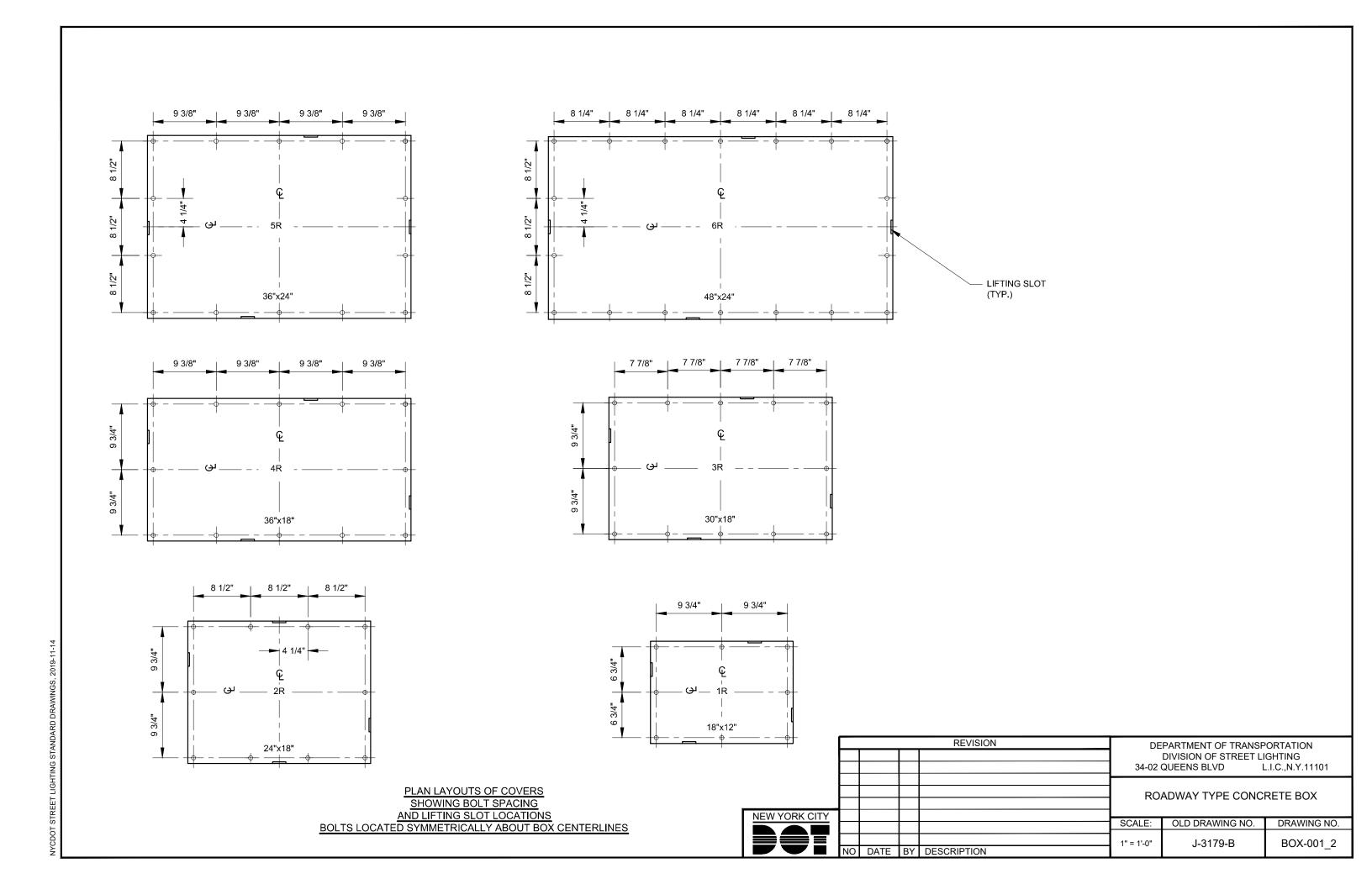
F436 HOT-DIP GALVANIZED STRUCTURAL WASHER F563 HOT-DIP GALVANIZED HEAVY HEX NUT (TOP AND BOTTOM OF WASHER) ANCHOR BOLT PLATE DETAIL

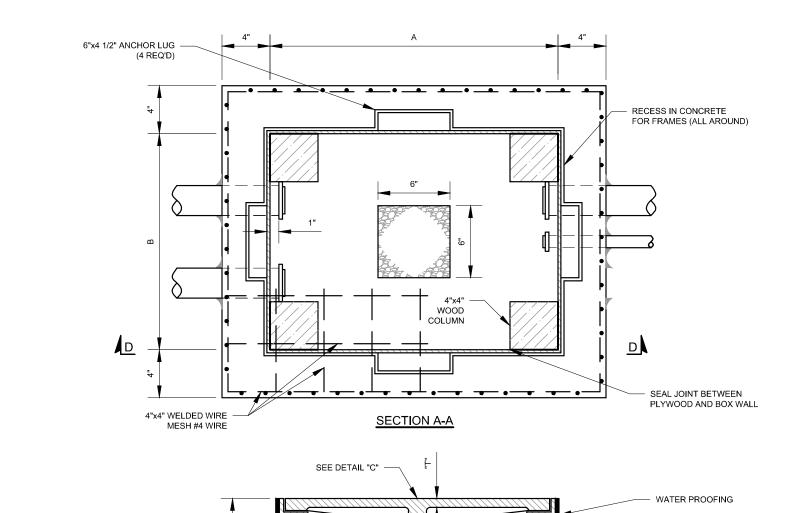
REVISION DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C., N.Y.11101 SHALLOW FOUNDATION WITH PRECAST CAP FOR 5G TELECOM STREET LIGHT SHAFT

NEW YORK CITY OLD DRAWING NO. DRAWING NO. 11/2021 AM CREATED FDN-031 1/2" = 1'-0" DATE BY DESCRIPTION









- 4" OF 1:2:4 CONCRETE

3/4" SHEET OF PLYWOOD

SECTION D-D

6"x6" BROKEN STONE DRAIN 1 1/2"

NEW YORK CITY

1 1/2"

APPROVED WATERPROOF

COMPOUND

10" (12" FOR TY

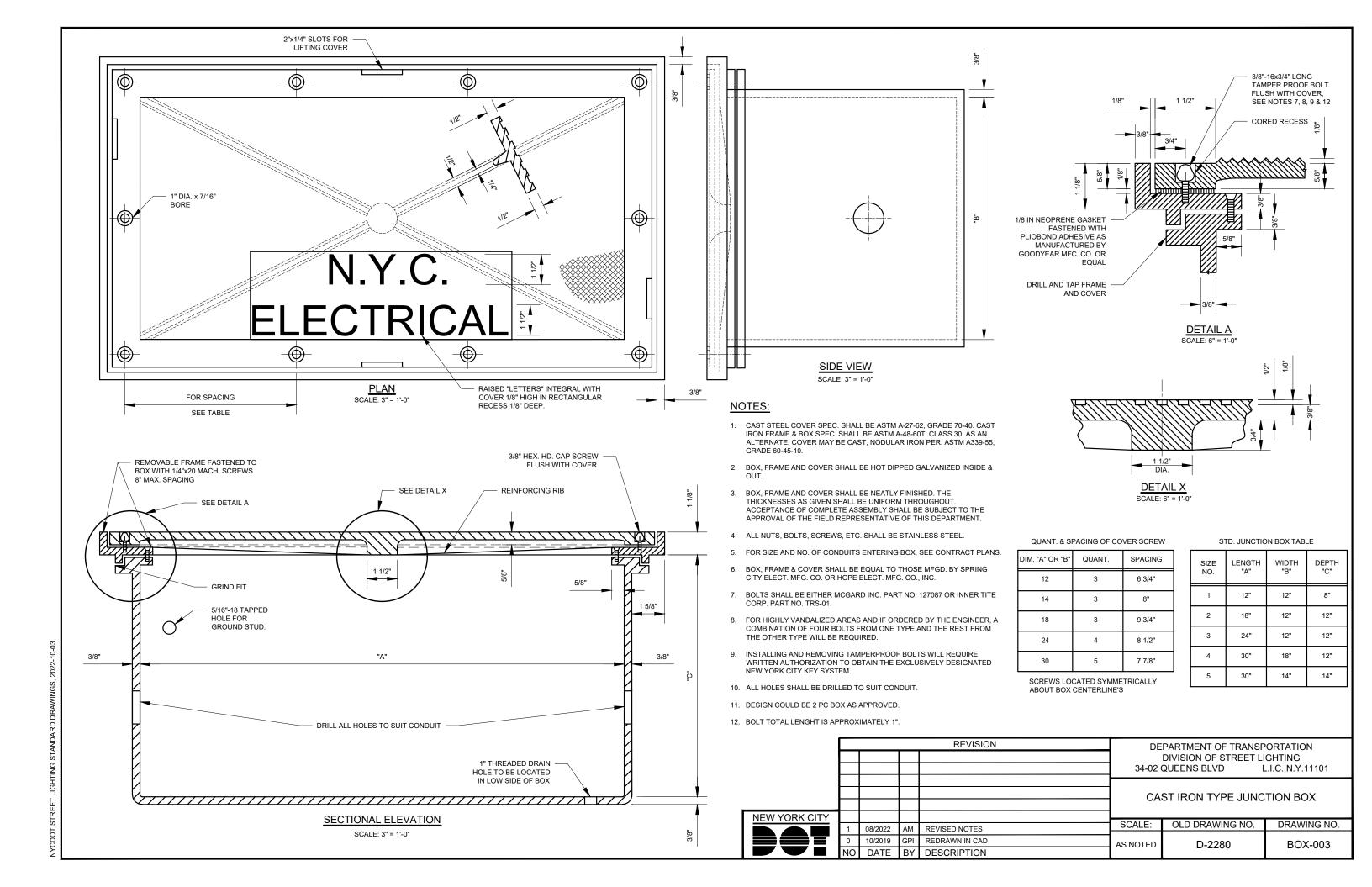
вох	TVDE	LENGTH	WIDTH	DEPTH	MURRAY	CAT. NO. O	R EQ.	"T"
NO.	TYPE	А	В	D	STANCHIONS	HANGERS	INSERTS	'
1R	1812	18"	12"	2'-2"				3/4"
2R	2418	24"	18"	2'-2"	RF 108	RG 107	RX 004M	1"
3R	3018	30"	18"	2'-2"	RF 216	RG 107	RX 004M	1"
4R	3618	36"	18"	2'-2"	RF 216	RG 107	RX 004M	1"
5R	3624	36"	24"	2'-2"	RF 216	RG 107	RX 004M	1 1/8"
6R	4824	48"	24"	2'-6"	RF 216	RG 107	RX 004M	1 1/4"

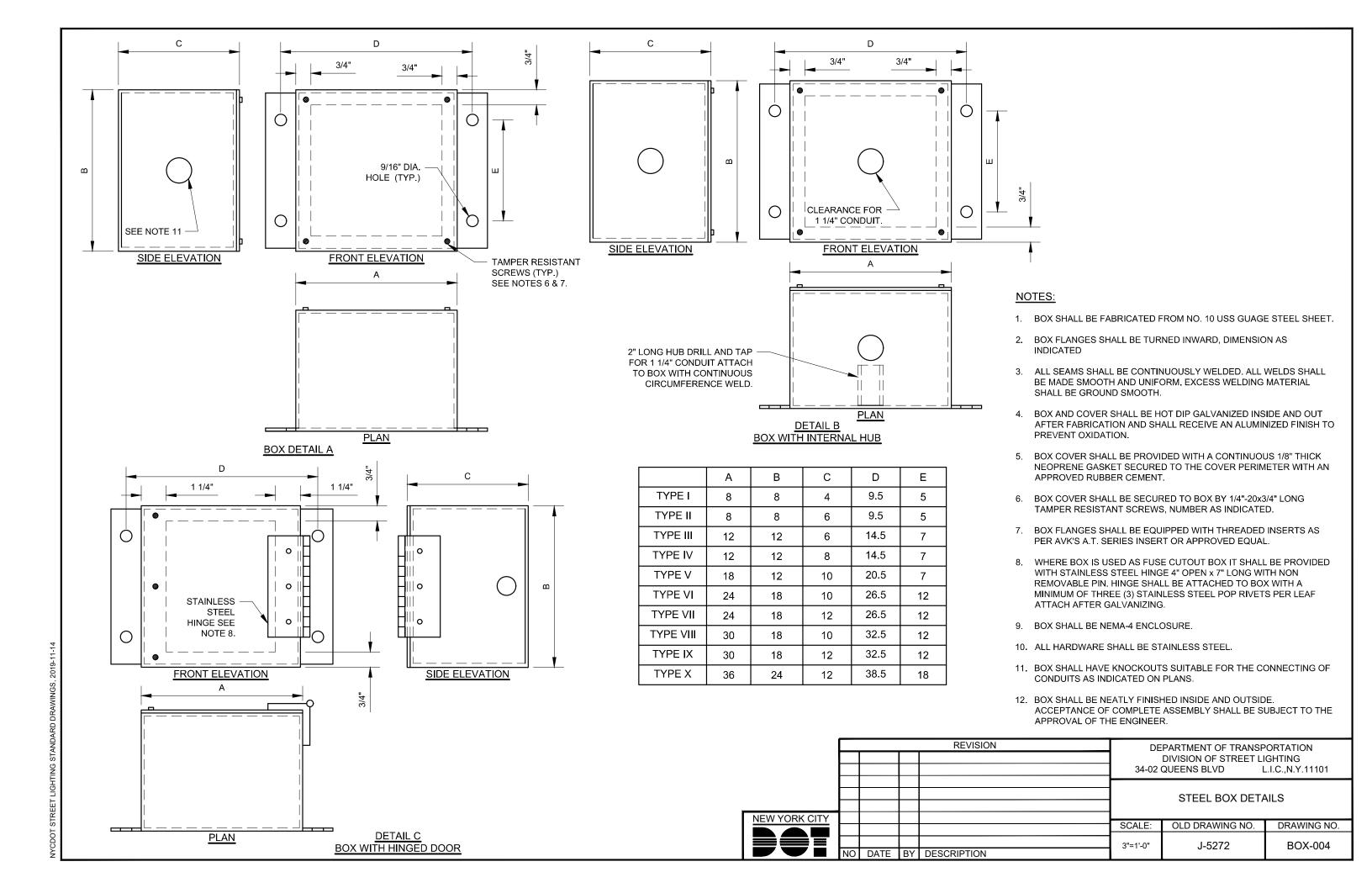
PROCEDURE FOR INSTALLING VANDAL RESISTANT CONCRETE BOX COVER IN SPECIFIC LOCATIONS:

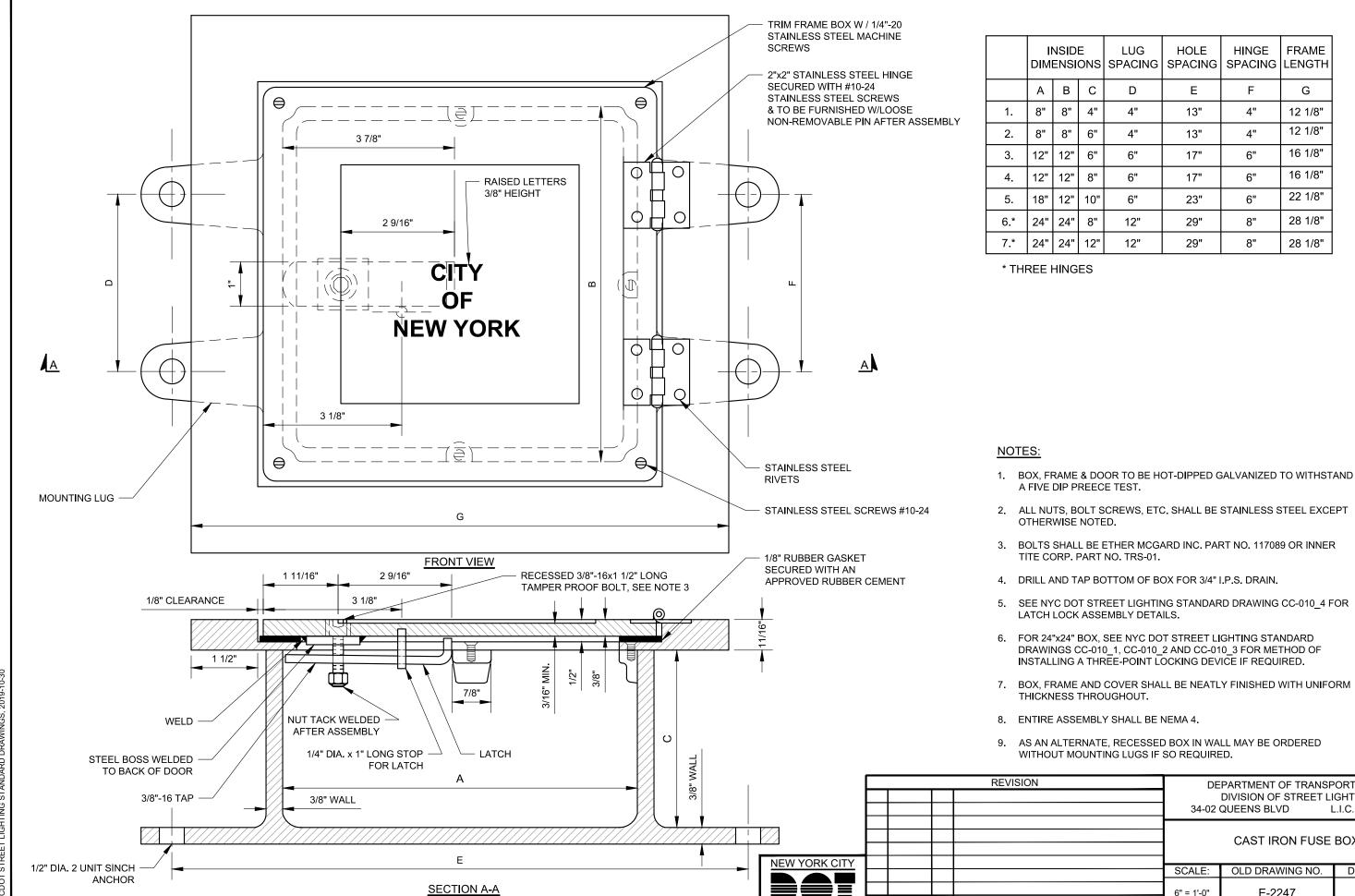
- 1. OPEN BOX AND REMOVE CABLES FROM RACKS. LET CABLE LIE ON BOTTOM OF BOX.
- 2. REMOVE RACKS, STANCHIONS AND BOLTS, WHICH BECOME PROPERTY OF CONTRACTOR.
- 3. INSTALL A 4"x4" WOOD COLUMN IN EACH CORNER OF BOX AND A 3/4" SHEET OF PLYWOOD ON TOP OF COLUMN. LENGTHS OF COLUMNS SHALL ENSURE THAT PLYWOOD IS LEVEL AND BE 6" BELOW BOTTOM OF BOX FRAME. NAIL PLYWOOD TO COLUMN.
- 4. COLUMN SHALL BE PRESSURE TREATED PINE AND PLYWOOD SHALL BE EXTERIOR GRADE.
- 5. CAULK ALONG FOUR SIDES OF PLYWOOD TO SEAL JOINT BETWEEN PLYWOOD AND CONCRETE WALLS OF BOX.
- 6. POUR A 4" LAYER OF 1:2:4 CONCRETE ON PLYWOOD.
- 7. CLOSE BOX AND INSTALL ALL TAMPER PROOF BOLTS IN COVER.

	_		REVISION	DEPARTMENT OF TRANSPORTATION				
				DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101 INSTALLING VANDAL RESISTANT CONCRETE BOX COVER				
	+			SCALE:	OLD DRAWING NO.	DRAWING NO.		
NO	D DATE	BY	DESCRIPTION	1-1/2"=1'-0"	J-3179-B	BOX-002		

OT STREET LIGHTING STANDARD DRAWINGS, 2019-11-14



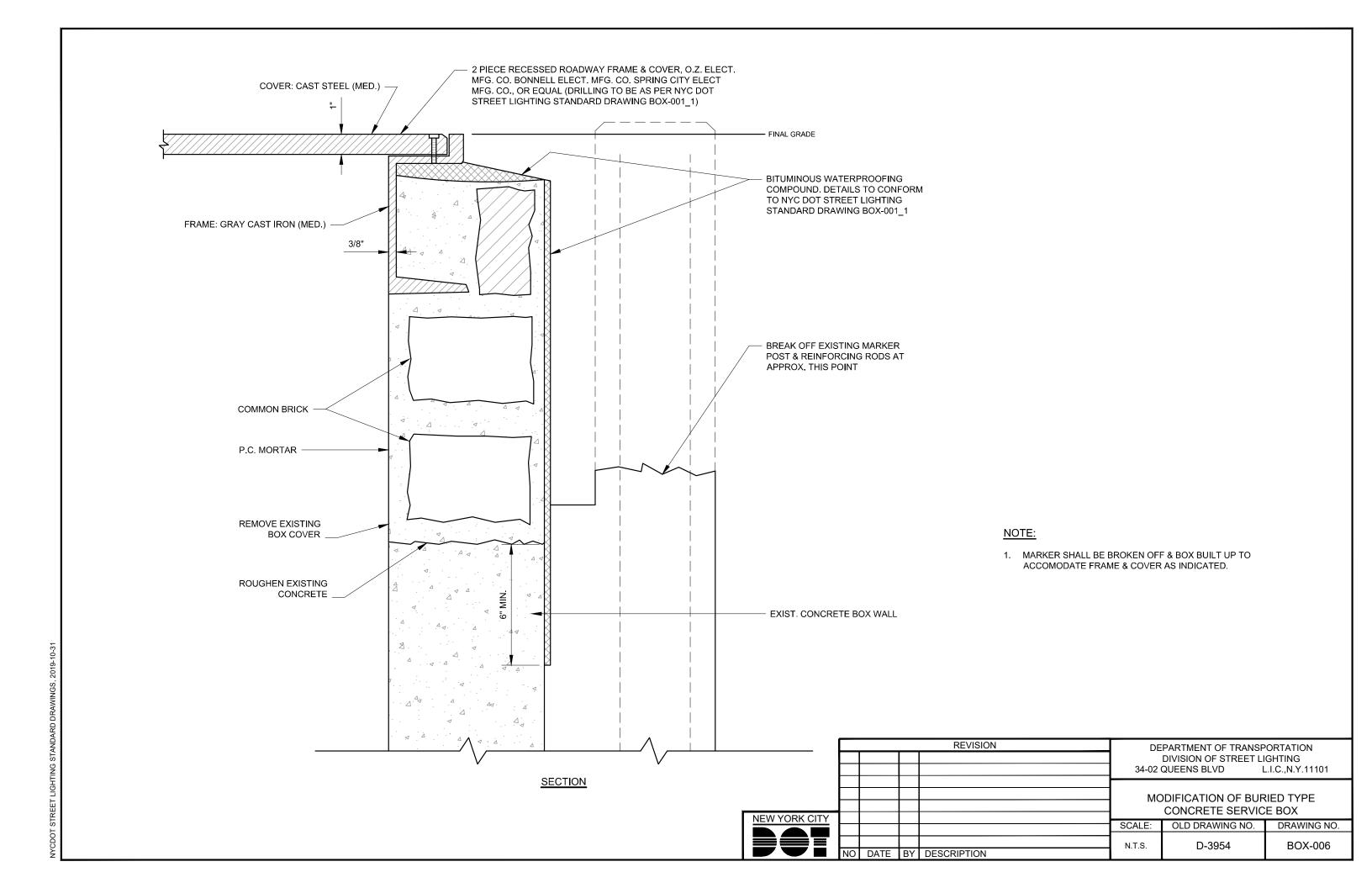




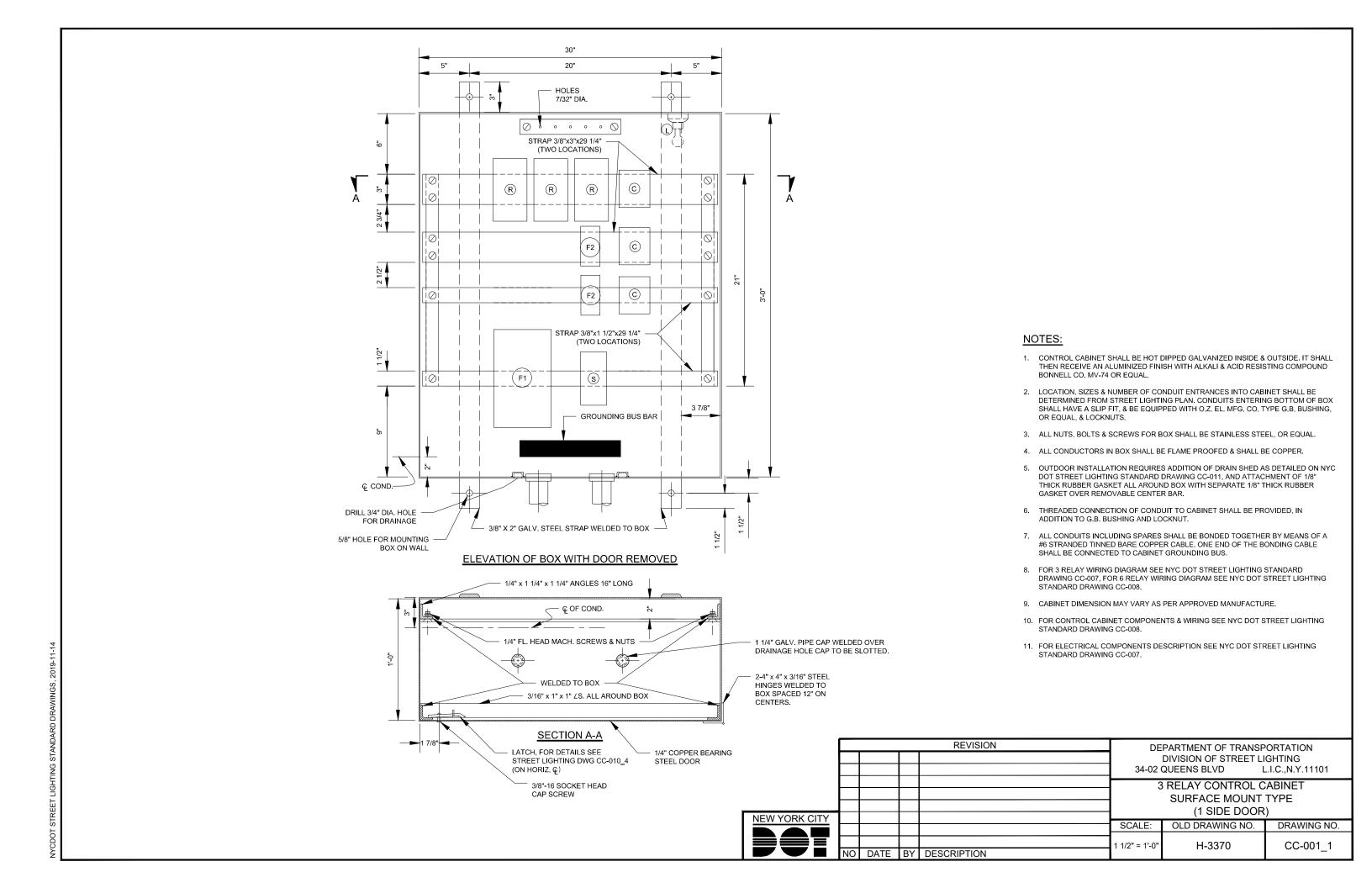
HINGE FRAME SPACING LENGTH F G 4" 12 1/8" 12 1/8" 4" 16 1/8" 6" 16 1/8" 6" 22 1/8" 6" 28 1/8" 8" 28 1/8"

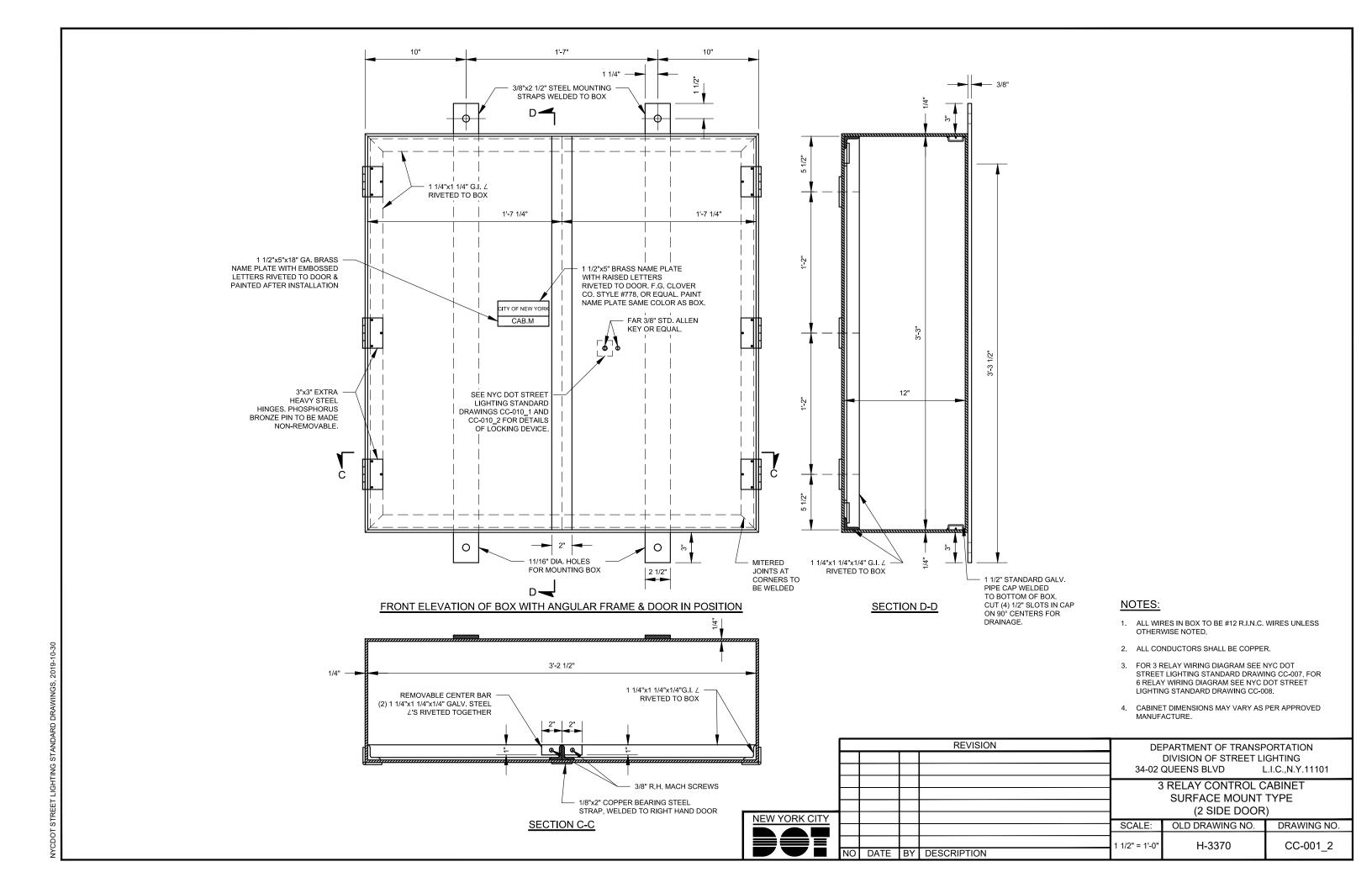
- 2. ALL NUTS, BOLT SCREWS, ETC. SHALL BE STAINLESS STEEL EXCEPT
- 3. BOLTS SHALL BE ETHER MCGARD INC. PART NO. 117089 OR INNER
- SEE NYC DOT STREET LIGHTING STANDARD DRAWING CC-010 4 FOR
- DRAWINGS CC-010_1, CC-010_2 AND CC-010_3 FOR METHOD OF INSTALLING A THREE-POINT LOCKING DEVICE IF REQUIRED.
- 7. BOX, FRAME AND COVER SHALL BE NEATLY FINISHED WITH UNIFORM

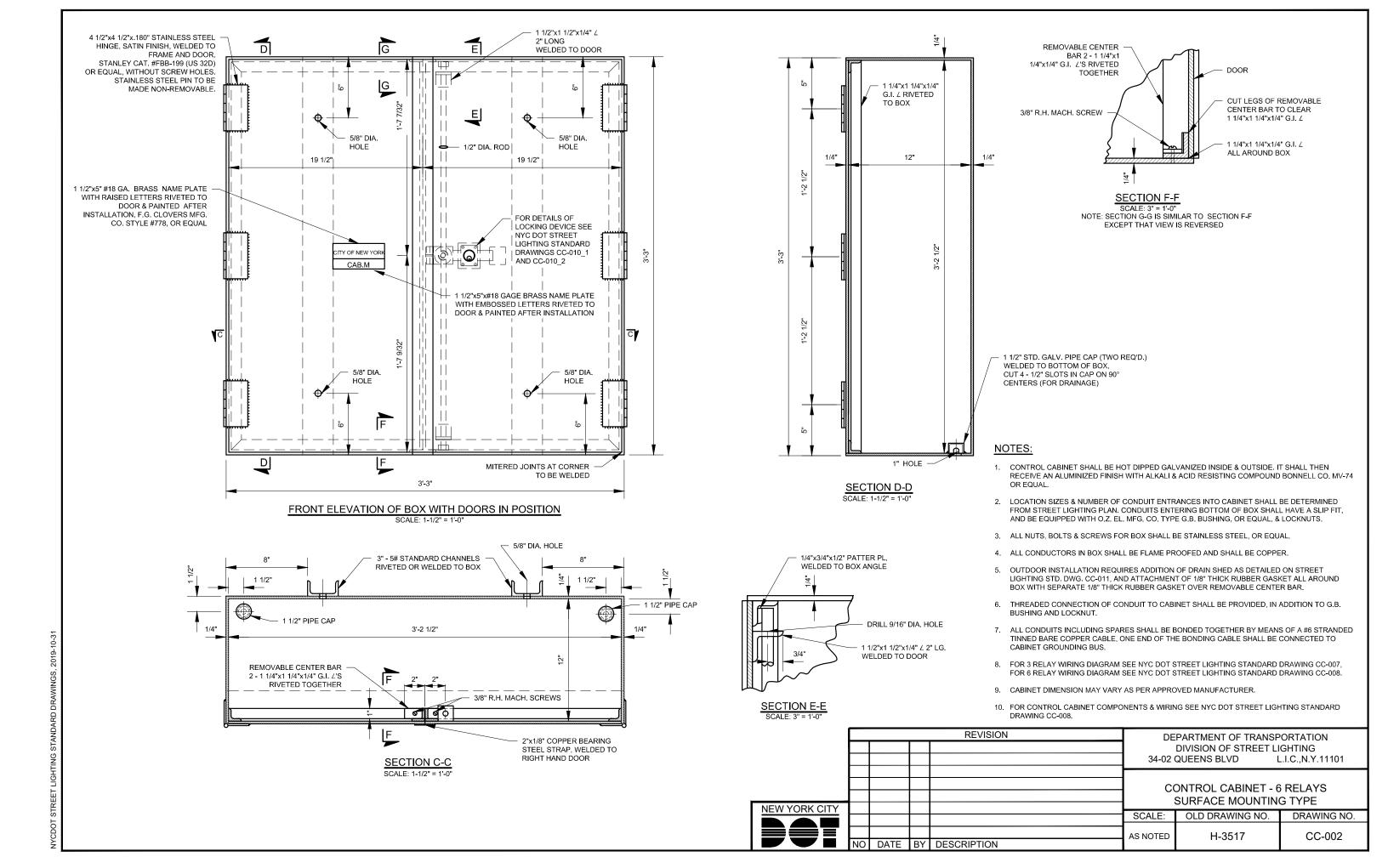
DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C., N.Y.11101 CAST IRON FUSE BOX OLD DRAWING NO. DRAWING NO. 6" = 1'-0" E-2247 BOX-005 DATE BY DESCRIPTION

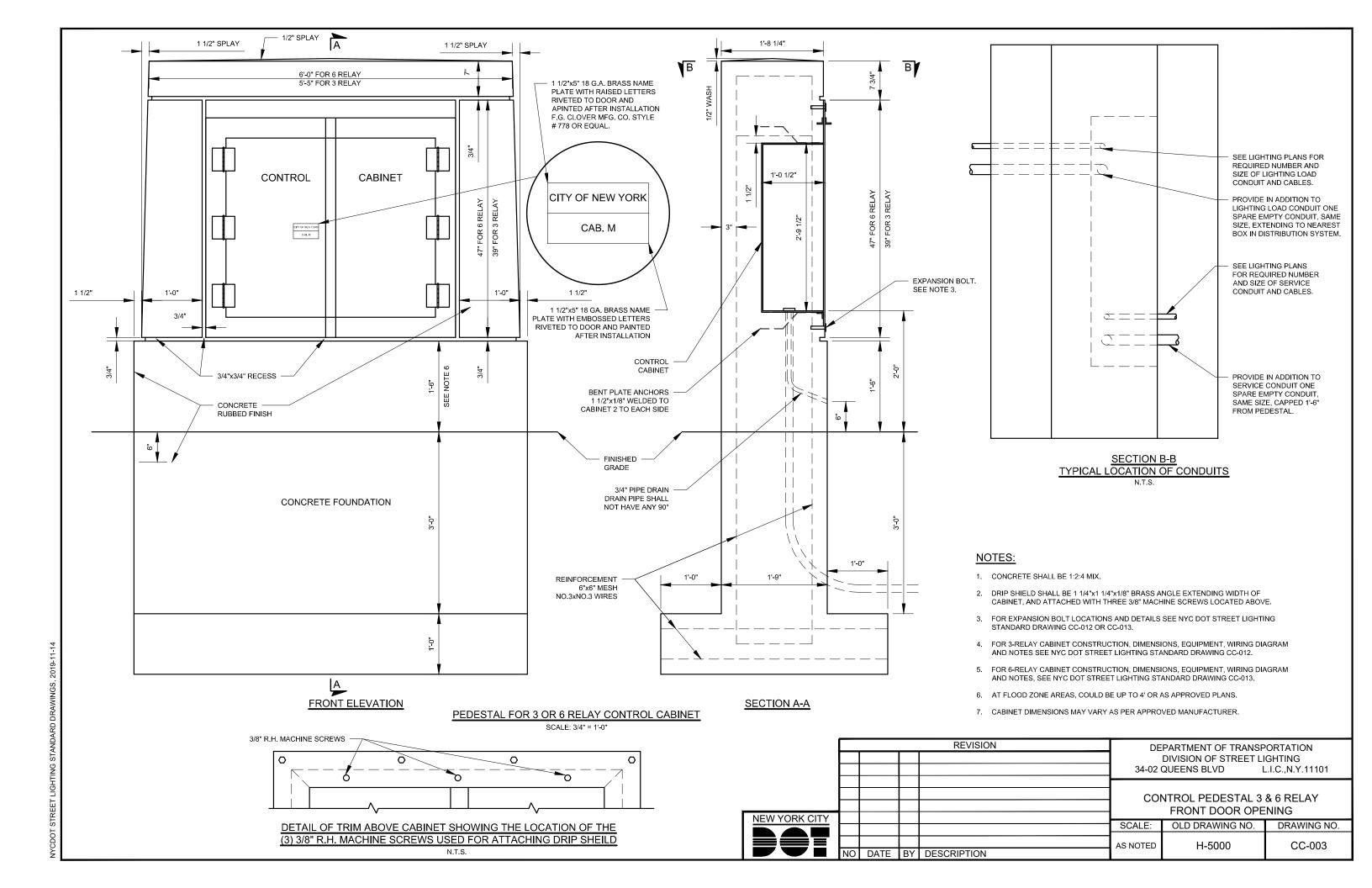


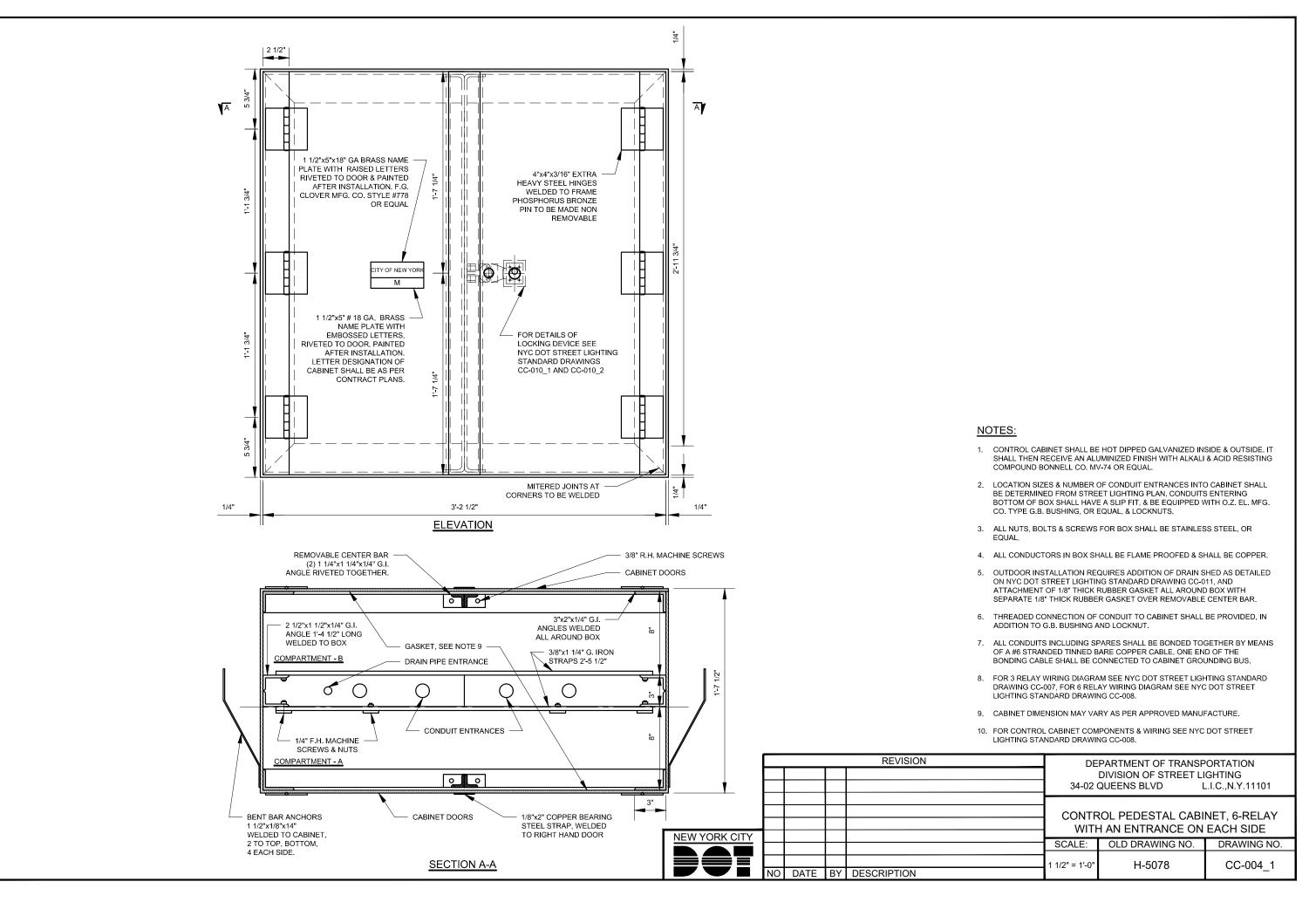
CONTROL CABINET DRAWINGS

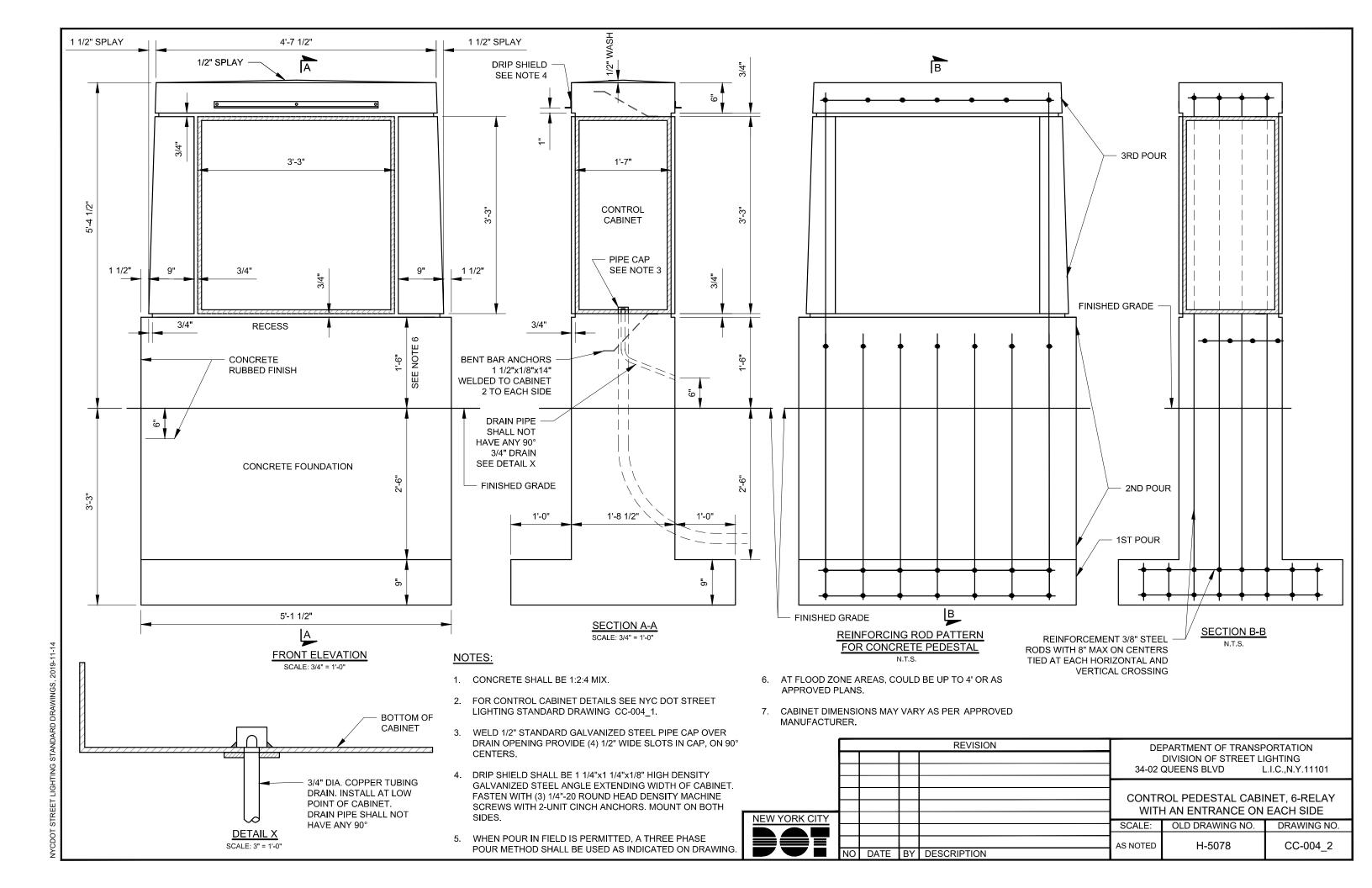


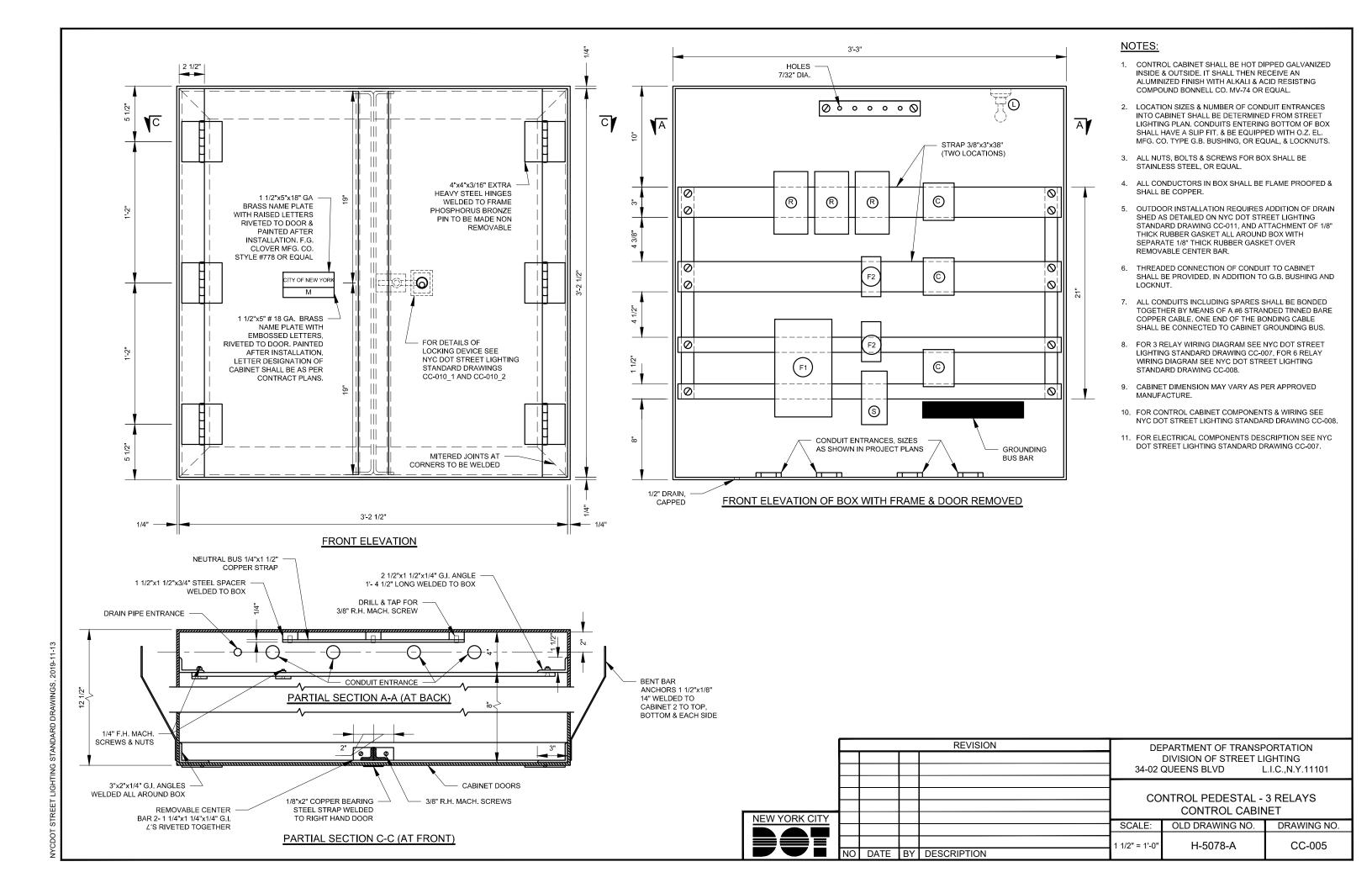


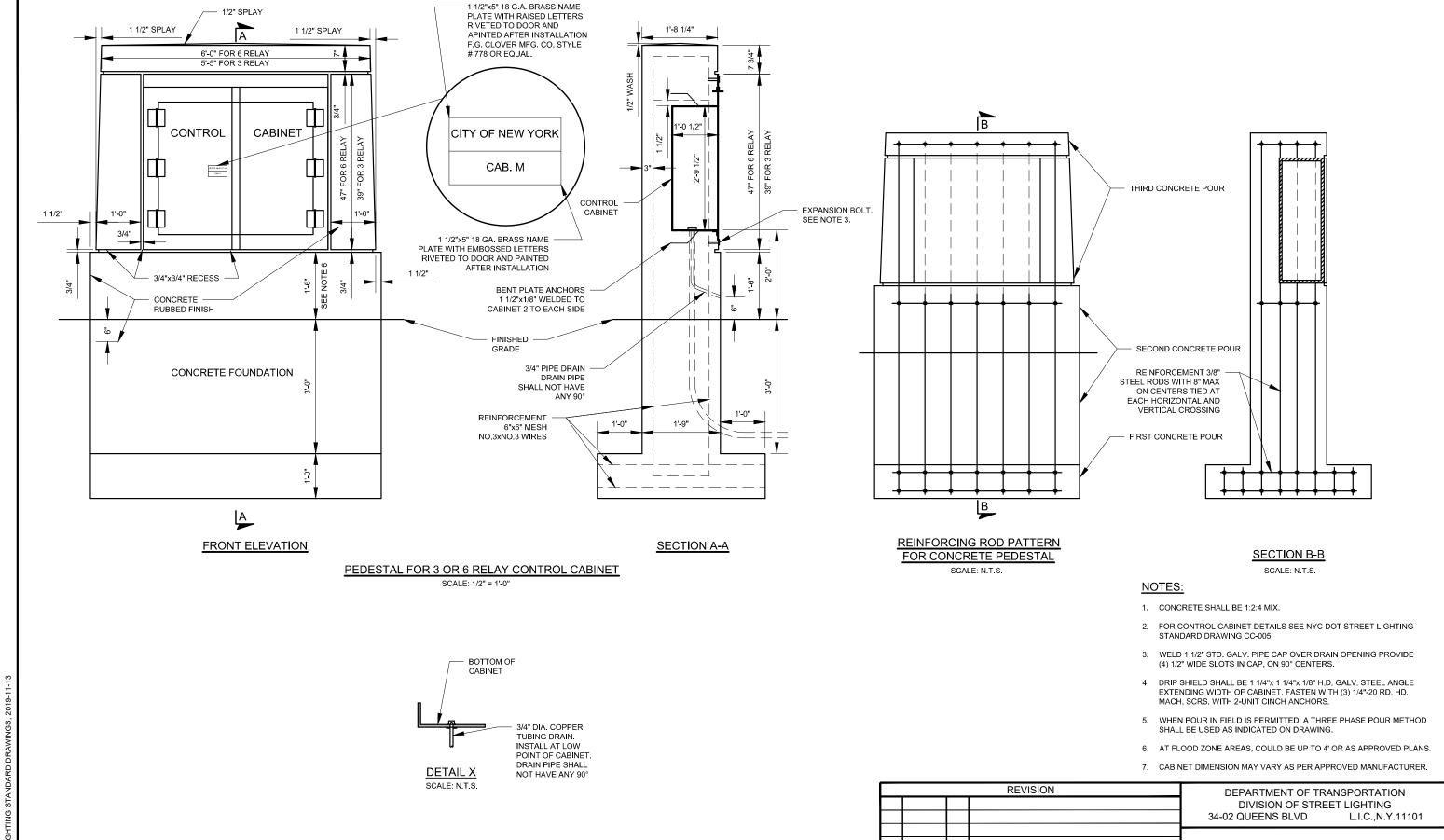












NEW YORK CITY

DATE BY DESCRIPTION

CONTROL PEDESTAL WITH ENTRANCE ON ONE SIDE ONLY

DRAWING NO.

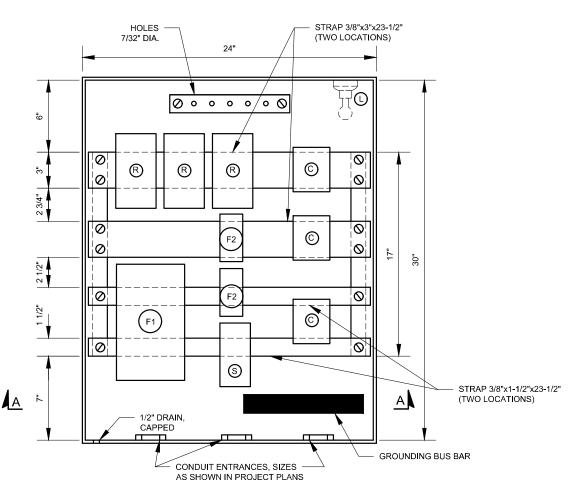
CC-006

OLD DRAWING NO.

H-5078-A

SCALE:

AS NOTED



FRONT ELEVATION - DOOR REMOVED FOR FLUSH OR SURFACE MOUNTING SCALE: 1 1/2" = 1'-0"

STEEL SPACER,
1-1/2"x1-1/2"x3/4",
WELDED TO BOX

TW0(2) G.I. ANGLES, 1-1/4"x1-1/4"x1/4", 17" OR
20" LONG, AS REQUIRED, RIVETED TO FRAME;
TWELVE(12) STAINLESS STEEL 1/4"x1" FLAT
HEAD MACHINE SCREW WITH NUTS

SECTION A-A
CONTROL CABINET DETAIL:
BUS BAR AND STRAP MOUNTING
(ELECTRICAL EQUIPMENT NOT SHOWN)
SCALE: 1-1/2" = 1'-0"

NOTES:

- CONTROL CABINET SHALL BE 30"x24"x12" HOT DIPPED GALVANIZED STEEL NEMA 4 ENCLOSURE WITH HINGED DOOR AND LOCKING DEVICE AS PER NYC DOT STREET LIGHTING STANDARD DRAWING CC-010_4. BENEFIELD OR EQUAL
- FOR MOUNTING CONTROL CABINET ON POLE, SEE NYC DOT STREET LIGHTING STANDARD DRAWING CC-009. FOR GROUNDING SEE NYC DOT STREET LIGHTING STANDARD DRAWING SL-MIS-013.
- 3. FOR SERVICE MOUNTING OF CABINET AND DOOR DETAIL SEE NYC DOT STREET LIGHTING STANDARD DRAWINGS CC-001_1 AND CC-001_2.
- 4. FOR PEDESTAL MOUNTING ON CABINET SEE NYC DOT STREET LIGHTING STANDARD DRAWING CC-006.
- 5. P.E.C.'S TO BE INSTALLED ON NEAREST LIGHT POLES OR AS CALLED FOR ON PLANS.

6. FUSE BLOCK AND WIRING TO BE INSTALLED ONLY WHEN UNDER DECK LIGHTING IS REQUIRED AT OR AROUND CABINET LOCATION. FUSE AND FUSE BLOCK VARIES DEPENDING ON UNDERDECK LIGHTING LOAD.

NEUTRAL BUS

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CONTROL CABLES AS

SHOWN IN PLANS

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ØA **Ø**B **Ø**C

WIRING DIAGRAM

SCALE: N.T.S.

WIRES FROM SERVICE

SIZE AS SHOWN IN

PROJECT PLANS

- CONTRACTOR SHALL FURNISH AND INSTALL GROUNDING BUSHING AT SERVICE ENTRANCE TO CONTROL CABINET. FURNISH AND INSTALL GROUND WIRE AND BOND NEUTRAL TO CABINET.
- NO. AND SIZE OF 24 HRS WIRES SHALL CONFORM TO PLANS AND COULD BE OFF OF ANY PHASE. IF WIRES OF 24HRS ARE LARGER THAN LOAD CIRCUIT WIRES, THEN 24HRS CIRCUIT SHALL HAVE ITS OWN COMPATIBLE NEUTRAL AND GROUNDING WIRES.
- 9. IF EACH CIRCUIT IS GOING FROM CONTROL CABINET TO SEPARATE GROUND WIRE AND NEUTRAL WIRE.
- CABINET DIMENSION MAY VARY AS PER APPROVED MANUFACTURER.

ELECTRICAL EQUIPMENT TO BE FURNISHED AND INSTALLED (CABINETS, BOXES, CONDUIT & WIRING NOT LISTED)

K2C GROUND

#2 AWG GROUND WIRE, BARE TINNED COPPER.

FROM GROUND ROD IN BOX OR FOUNDATION

(SEE NOTE 7)

STUD

120 VAC, 100 AMPS, SINGLE POLE NORMALLY OPENED MERCURY RELAY MDI CAT. NO. 100 NO-120A OR EQUAL.

24 HRS

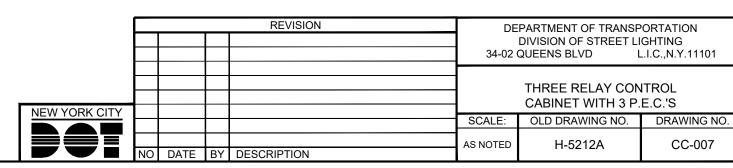
(SEE NOTE 8)

- CLASS R BUSSMAN 3 POLE 100A FUSE BLOCK CAT. NO. R60100-3 OR EQUAL. 100A BUSSMAN FAST ACTING FUSES
- 600V CAT NO. KTS-R-100 OR EQUAL.

 LEVITON LAMP HOLDER 250V, 660W MODEL NO. 9875
 OR EQUAL. CARLON LAMP HOLDER BACK BOX CAT. NO.
- OR EQUAL. CARLON LAMP HOLDER BACK BOX CAT. No A615E OR EQUAL.

 BUSSMAN 3 POLE 30A 250V FUSE BLOCK CAT NO.
- BUSSMAN 3 POLE 30A 250V FUSE BLOCK CAT NO. R25030-3 OR EQUAL. BUSSMAN 15A FAST ACTING FUSE CAT. NO. KTN-R-15 OR EQUAL.

 BUSSMAN 1 POLE 15A 250V FUSE BLOCK CAT.
- F3) R250301 OR EQUAL. BUSSMAN 15A FAST ACTING FUSE CAT. NO. KTN-R-15 OR EQUAL.
- S CARLON TOGGLE SWITCH BACK BOX AND COVER CAT. NO. B112HB AND HB1SW OR EQUAL.
- P LONG LIFE PHOTO ELECTRIC CONTROL WITH SURGE PROTECTOR AS PER SPECIFICATION 504.
- INTERMATIC 12 HOUR SPRING WOUND TIMER CAT.
 NO. FF312H OR EQUAL. CARLON TOGGLE SWITCH
 BACK BOX CAT. NO. B112HB OR EQUAL.



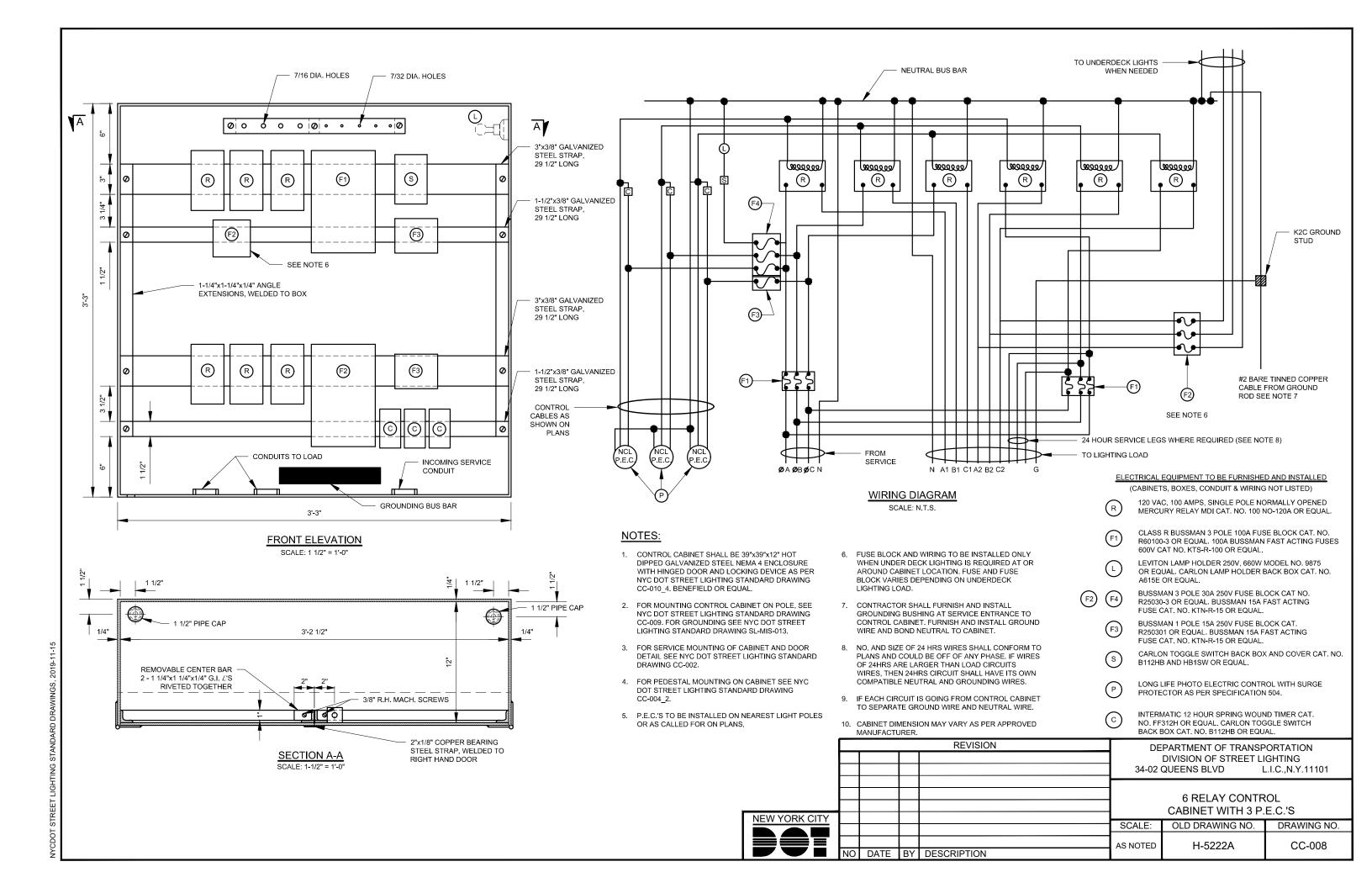
øB **ø**C

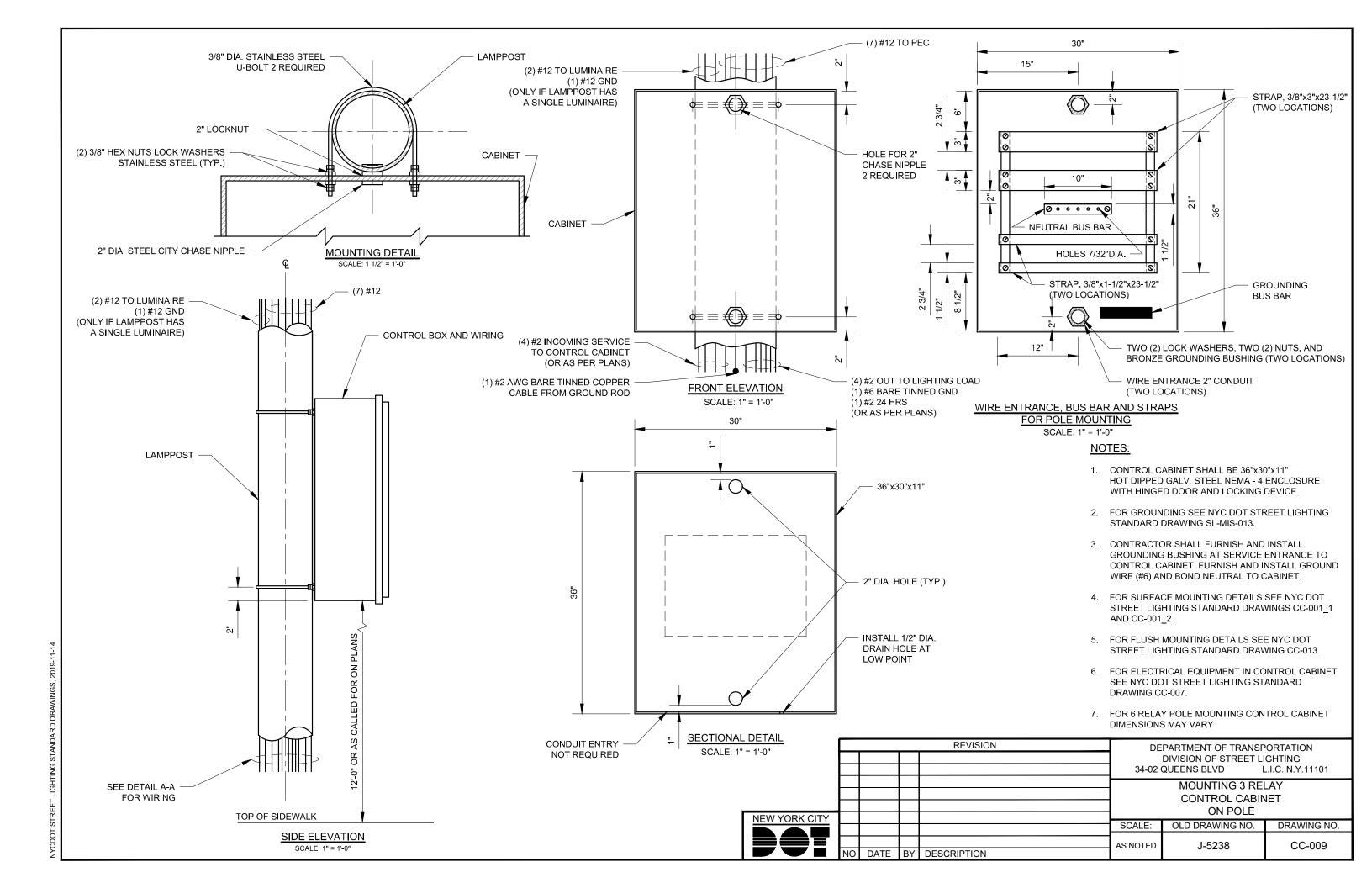
WIRES TO LOAD

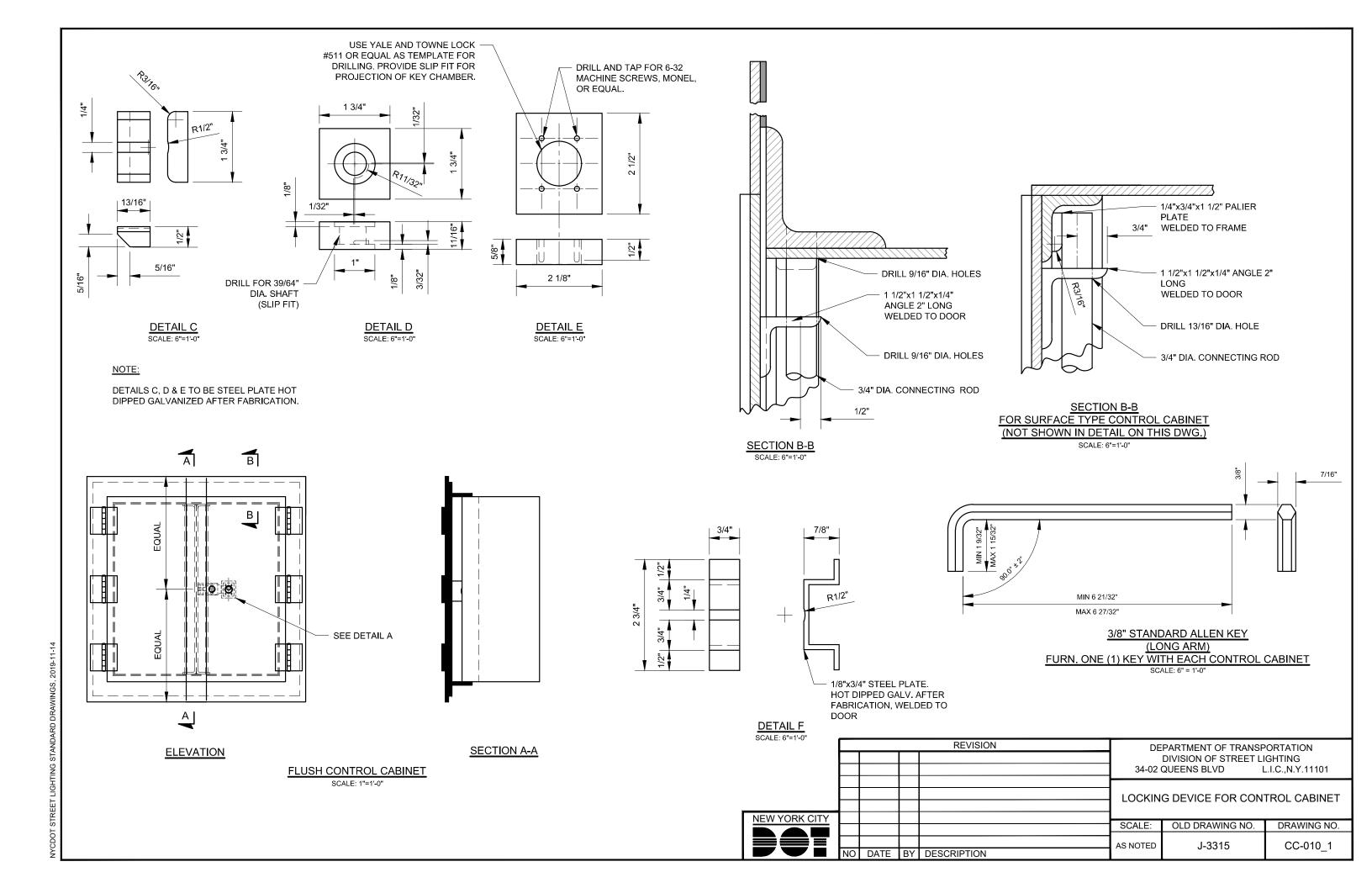
SIZE AS SHOWN IN

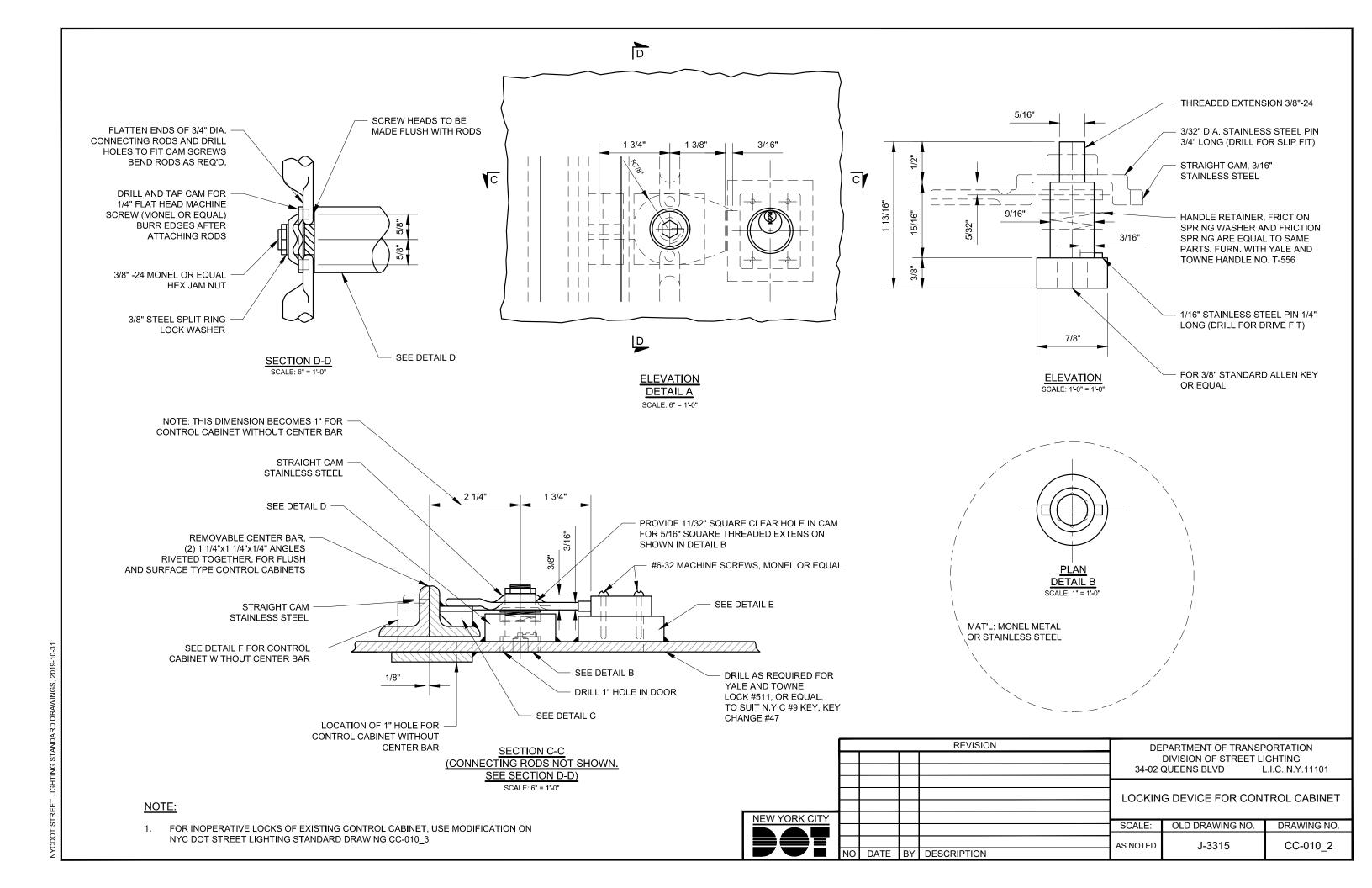
PROJECT PLANS

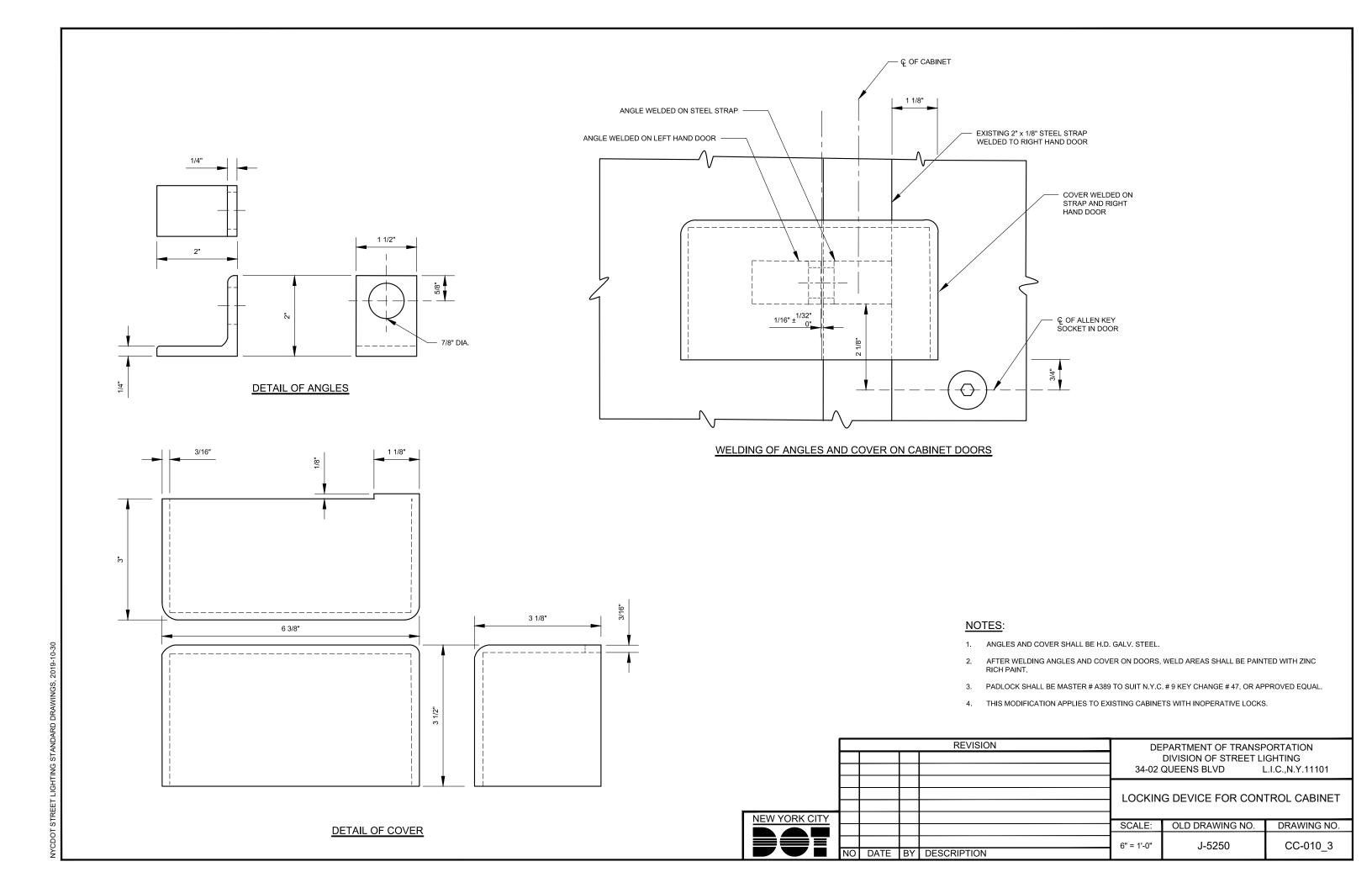
:DOT STREET LIGHTING STANDARD DRAWINGS, 2019-11-15

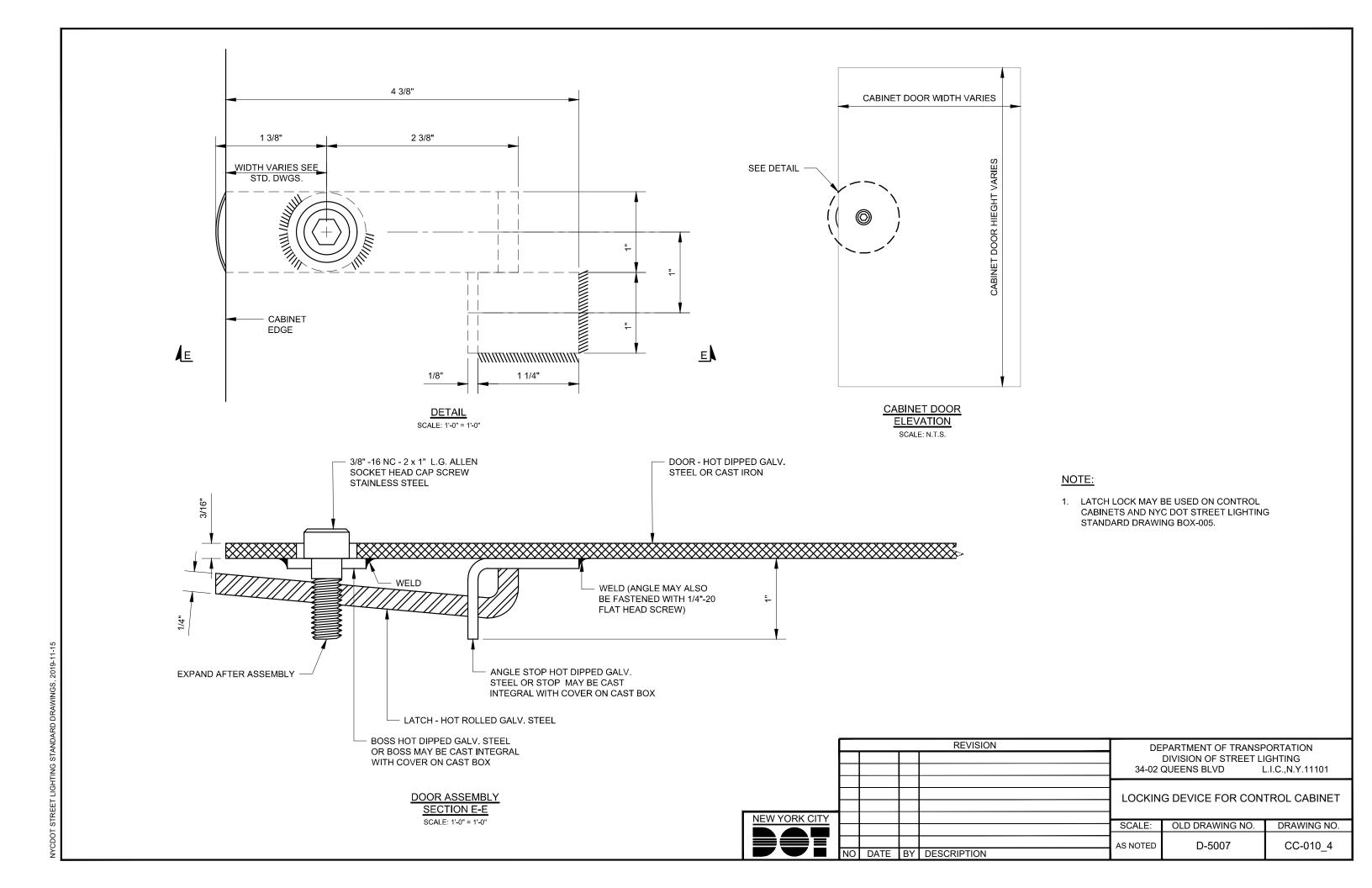


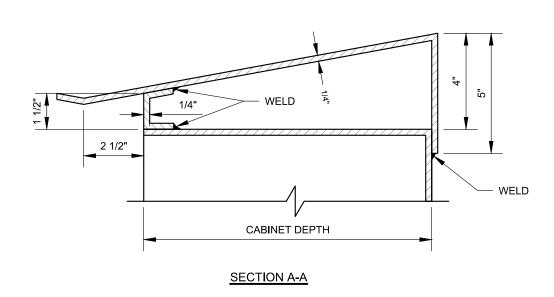


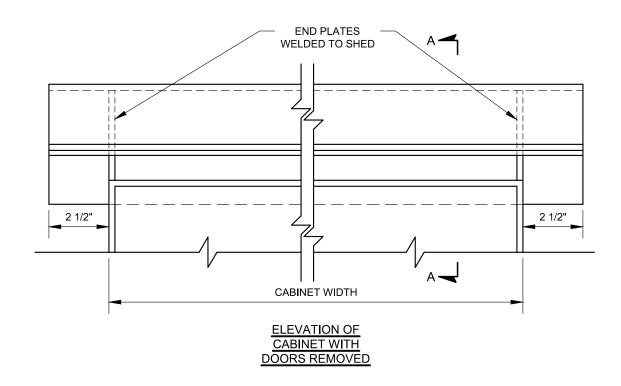












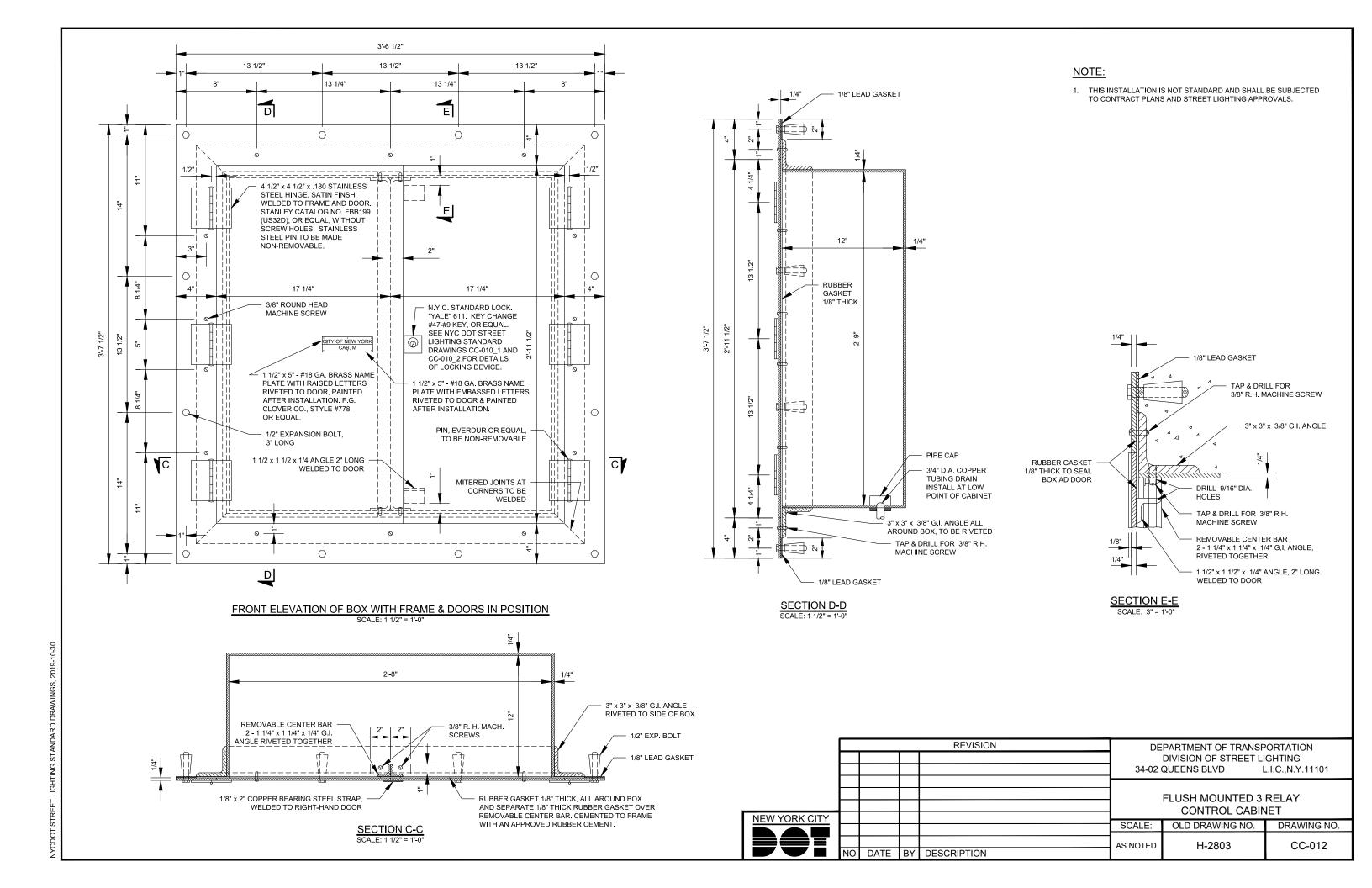
MATERIAL: 1/4" BOILER PLATE STEEL

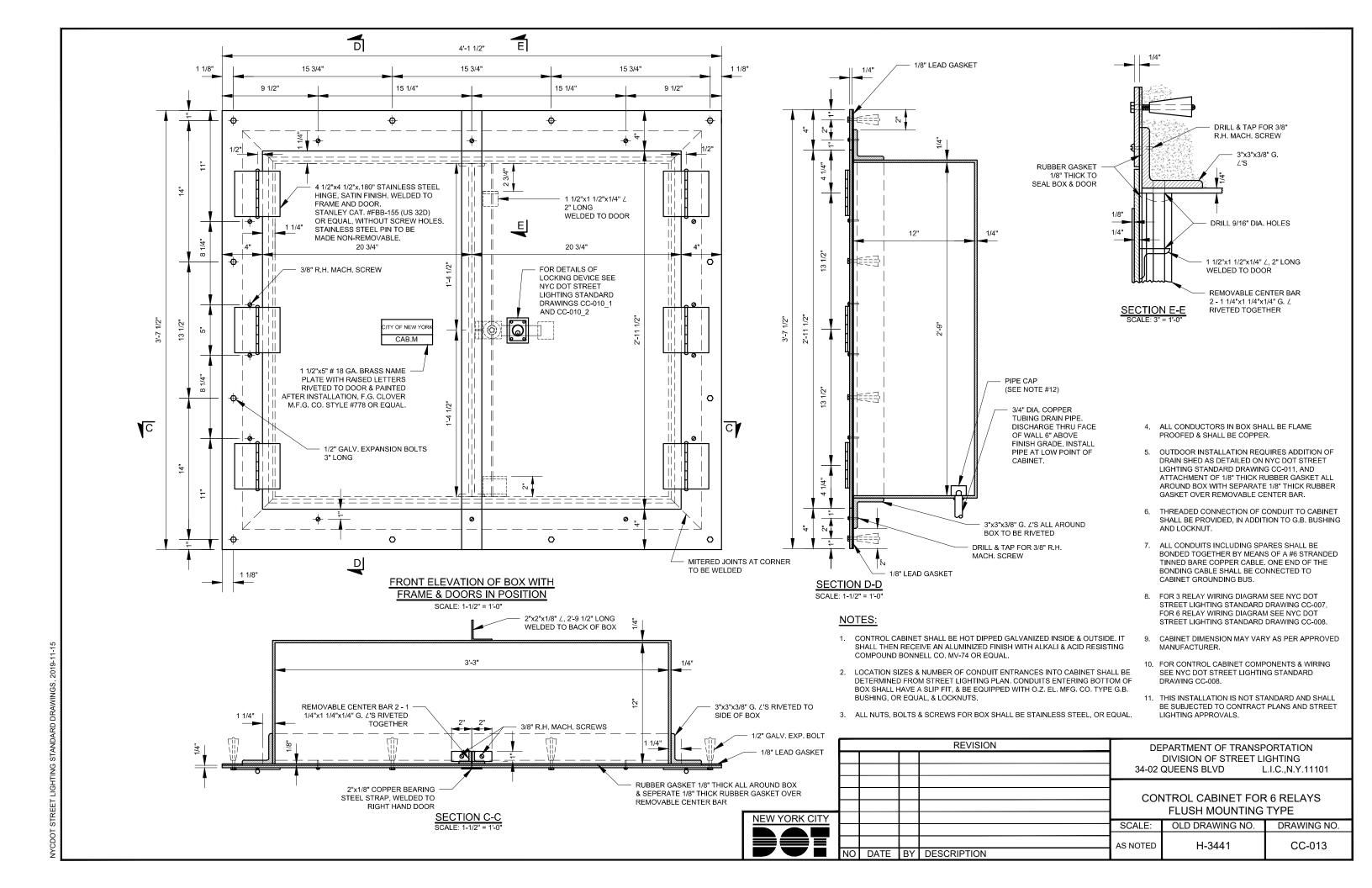
FINISH: H.D. GALVANIZED AFTER ASSEMBLY

NOTES:

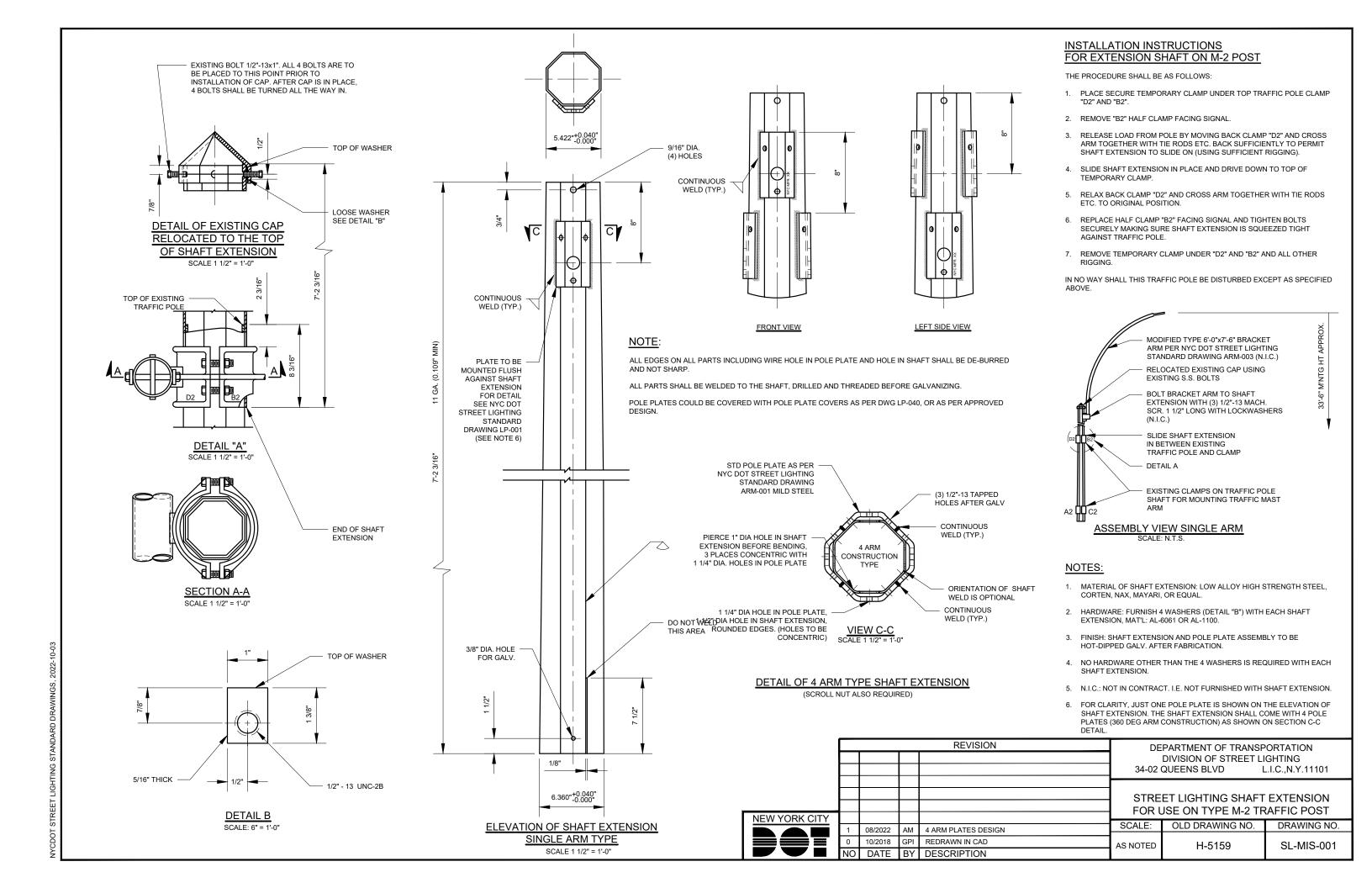
1. SHED REQ'D ON CABINETS DETAILED ON NYC DOT STREET LIGHTING STANDARD DRAWINGS CC-001_1, CC-001_2, CC-002, CC-003, CC-004_1, CC-004_2, CC-005, CC-006 AND CC-013.

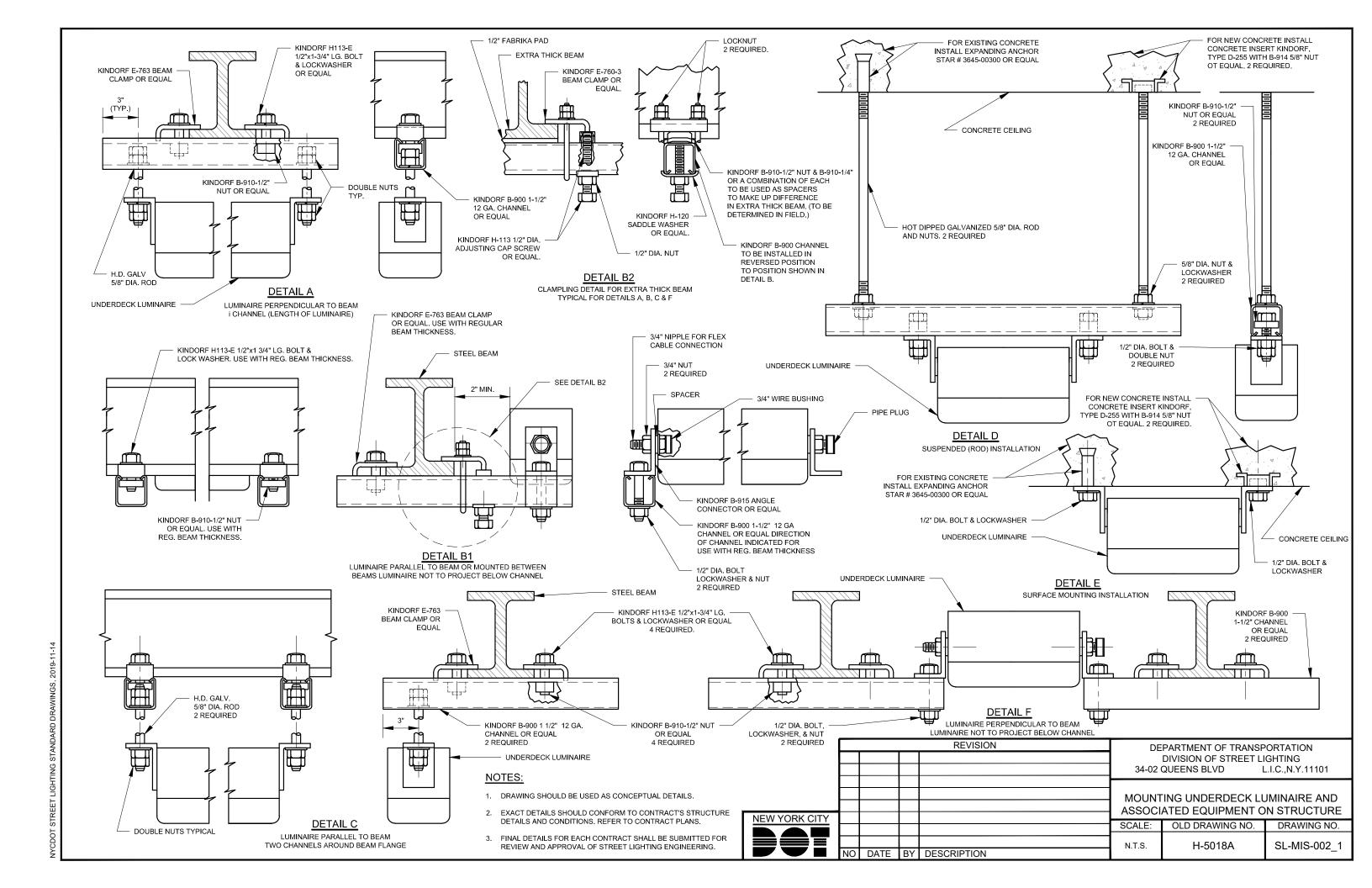
REVISION DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101 DRAIN SHED FOR SURFACE MOUNTED CONTROL CABINETS INSTALLED OUTDOORS NEW YORK CITY OLD DRAWING NO. SCALE: DRAWING NO. D-5006 3" = 1'-0" CC-011 NO DATE BY DESCRIPTION

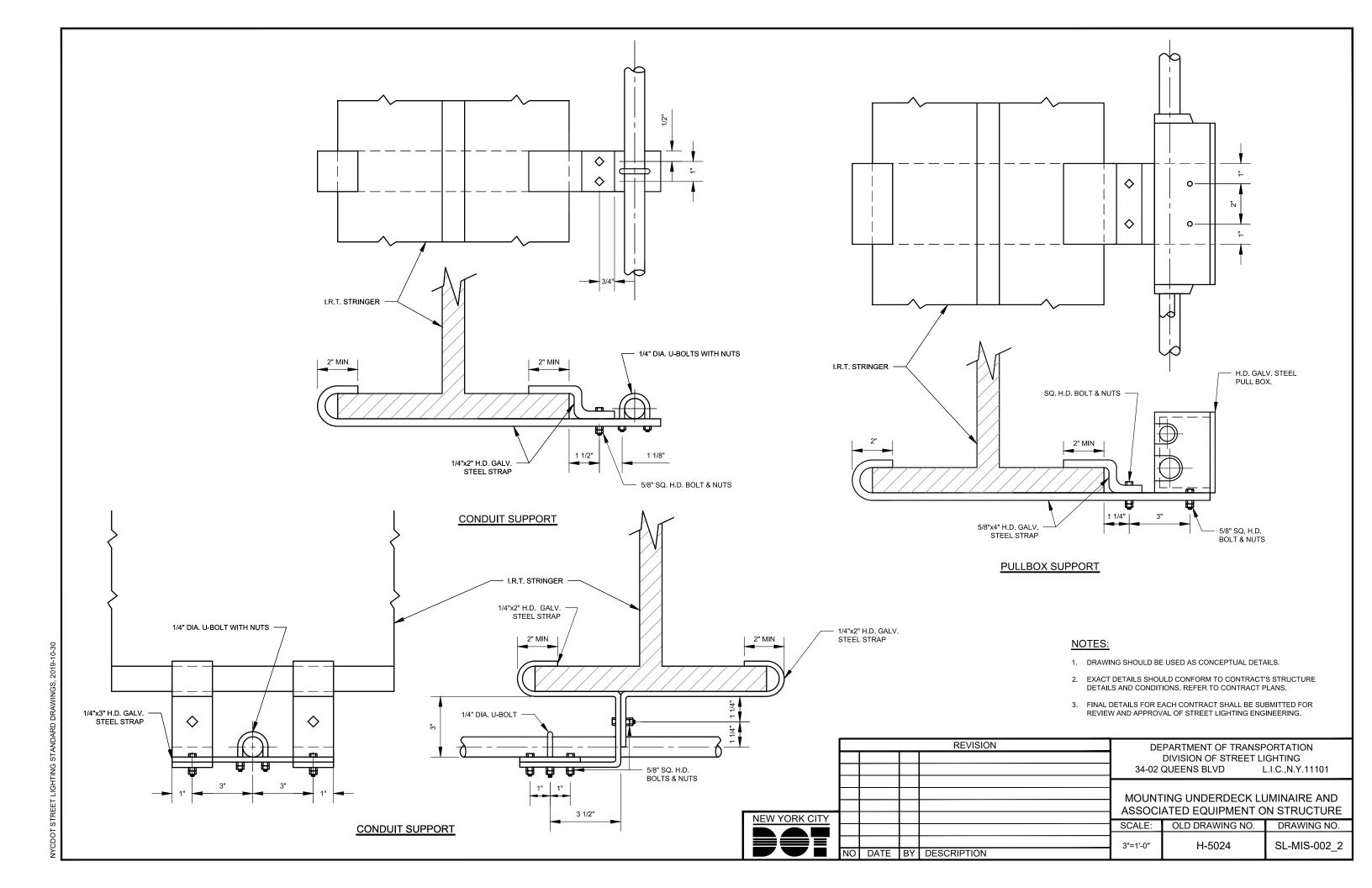




MISCELLANEOUS DRAWINGS

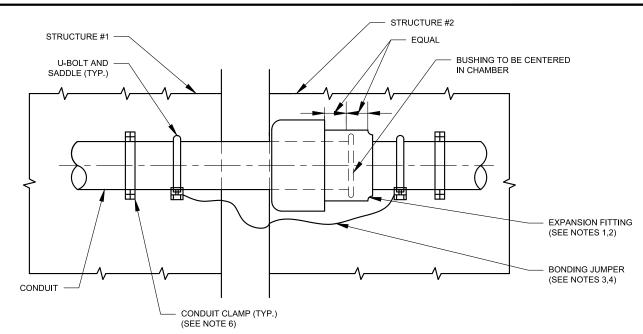






COMBINATION DEFLECTION AND EXPANSION FITTINGS

(FOR EXPANSION JOINTS IN CONCRETE AND IN STRUCTURES)

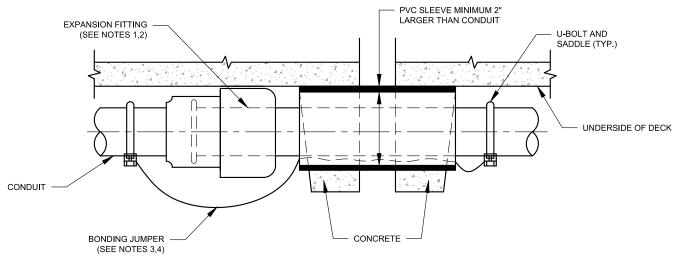


CONDUIT EXPANSION FITTING

(FOR TWO INDEPENDENT STRUCTURES)

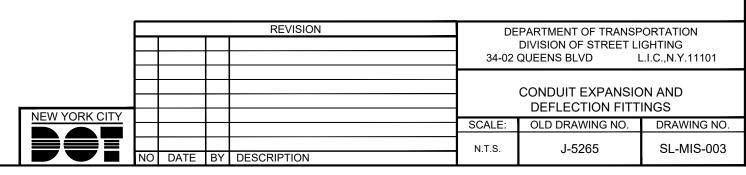
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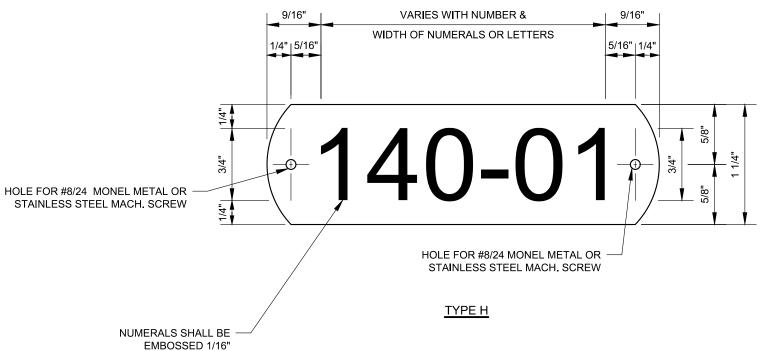
- FOR 2" LINEAR MOVEMENT IN EITHER DIRECTION EXPANSION FITTING SHALL BE AS PER SPRING CITY TYPE AF, OZ/GEDNEY TYPE AX, OR CROUSE HINDS TYPE XJG.
- 2. FOR 4" LINEAR MOVEMENT IN EITHER DIRECTION, EXPANSION FITTING SHALL BE AS PER SPRING CITY TYPE EF, OZ/GEDNEY TYPE AX8, OR CROUSE HINDS TYPE XJG.
- 3. TINNED COPPER BRAID BONDING JUMPER SHALL BE AS PER SPRING CITY TYPE AJ/EJ, OZ/GEDNEY TYPE BJ-14/BJ-24, OR AS REQUIRED.
- 4. EXTERNAL BONDING JUMPER IS NOT REQUIRED WHERE CROUSE HINDS EXPANSION FITTING TYPE XJG (WITH INTERNAL GROUNDING) IS UTILIZED.
- 5. EXPANSION AND DEFLECTION FITTING SHALL BE AS PER SPRING CITY TYPE DF, OZ/GEDNEY TYPE DX, OR CROUSE HINDS TYPE XD.
- 6. CONDUIT SHALL BE FIRMLY ATTACHED TO STRUCTURE BY APPROVED CLAMPS.
- CONDUIT NIPPLE OF APPROPRIATE SIZE SHALL BE PROVIDED TO CONNECT THE TWO FITTINGS.
- 8. EXPANSION FITTING MAY BE UTILIZED INDIVIDUALLY ACROSS EXPANSION JOINTS IN STRUCTURE WHERE DEFLECTION IS NOT EXPECTED AND AS DIRECTED BY THE ENGINEER.
- EXPANSION AND DEFLECTION FITTING MAY BE UTILIZED INDIVIDUALLY BETWEEN TWO SECTIONS OF CONDUIT TO DAMPEN VIBRATION AND AS DIRECTED BY THE ENGINEER.
- 10. MANUFACTURERS INSTRUCTIONS FOR INSTALLATION OF DEFLECTION AND EXPANSION FITTINGS SHALL BE FOLLOWED.
- 11. CONTRACTOR SHALL FOLLOW STREET LIGHTING PLANS FOR EXACT TYPE OF FITTING TO BE USED.

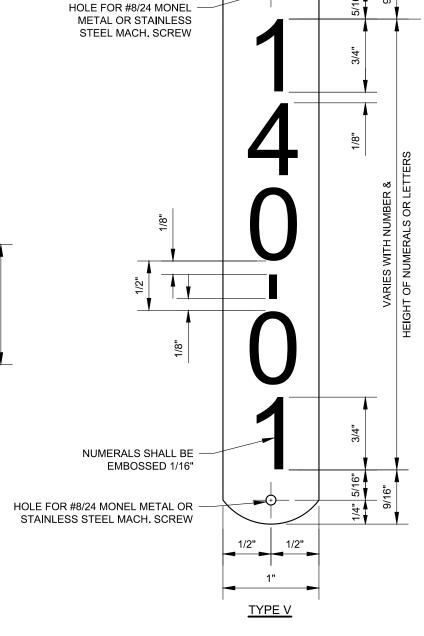


CONDUIT EXPANSION FITTING

(ALTERNATE INSTALLATION METHOD) (ONLY IF SPECIFIED IN PLANS)

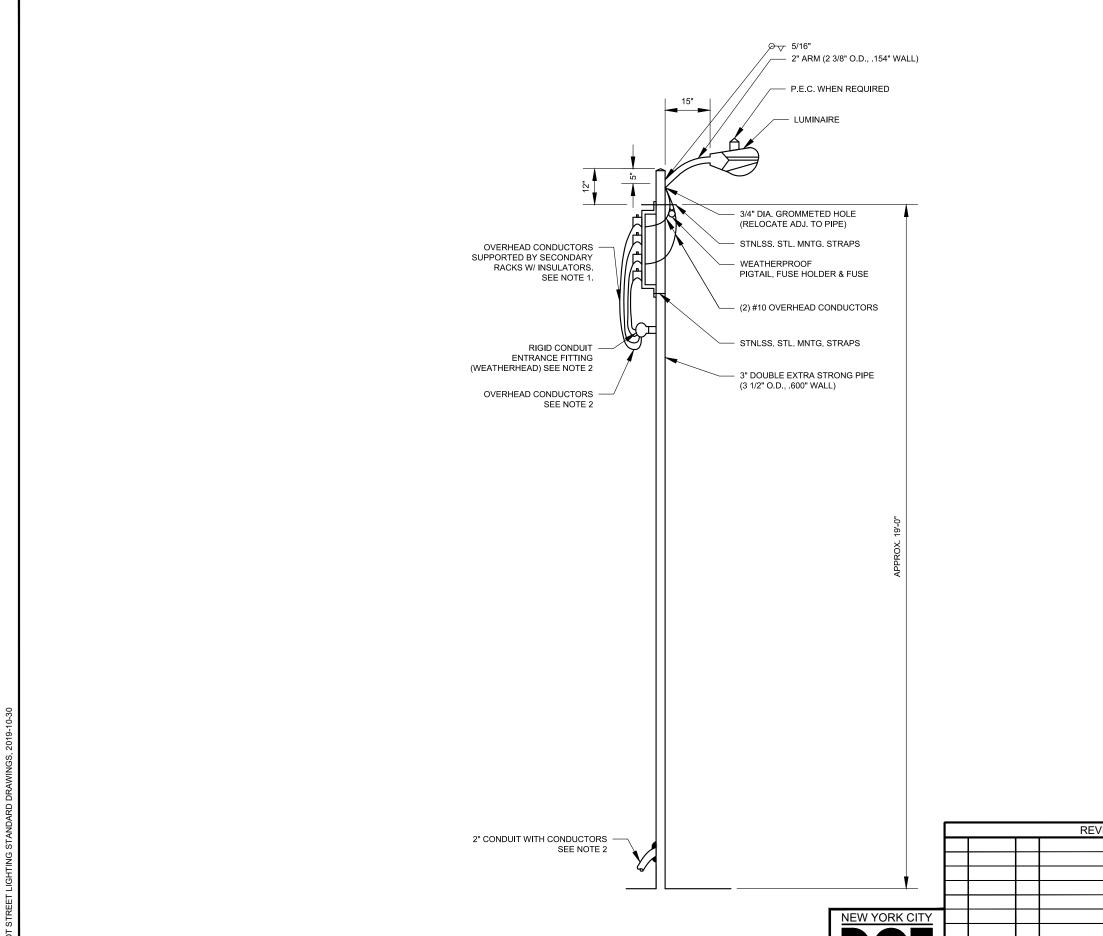






- 1. MATERIAL ~ #23 B.& S. GAUGE ALUMINUM.
- 2. ADDITIONAL HOLE IN PLATE AND STAINLESS STEEL SCREW TO BE PROVIDED AT APPROXIMATELY MIDPOINT WHEN NUMBER OF LETTERS AND DIGITS EXCEED FIVE (5).
- 3. AS AN ALTERNATIVE, MATERIAL COULD BE 0.03" ALUMINUM WITH 5/64" ENGRAVED ALPHANUMERIC.
- 4. EXACT ALPHANUMERIC TO CONFORM TO CONTRACT'S STREET LIGHTING PLANS.

		REVISION				DEPARTMENT OF TRANSPORTATION			
					IVISION OF STREET LIGHTING				
					34-02 QUEENS BLVD L.I.C.,N.Y.11101				
						IDENTIFICATION PL	ATES		
					FOR USE WITH				
NEW YORK CITY						PARK TYPE LAMPP	OSTS		
NEW TORK CITT					SCALE:	OLD DRAWING NO.	DRAWING NO.		
					1'-0" = 1'-0"	D-2861	SL-MIS-004		
	NO	DATE	BY	DESCRIPTION					



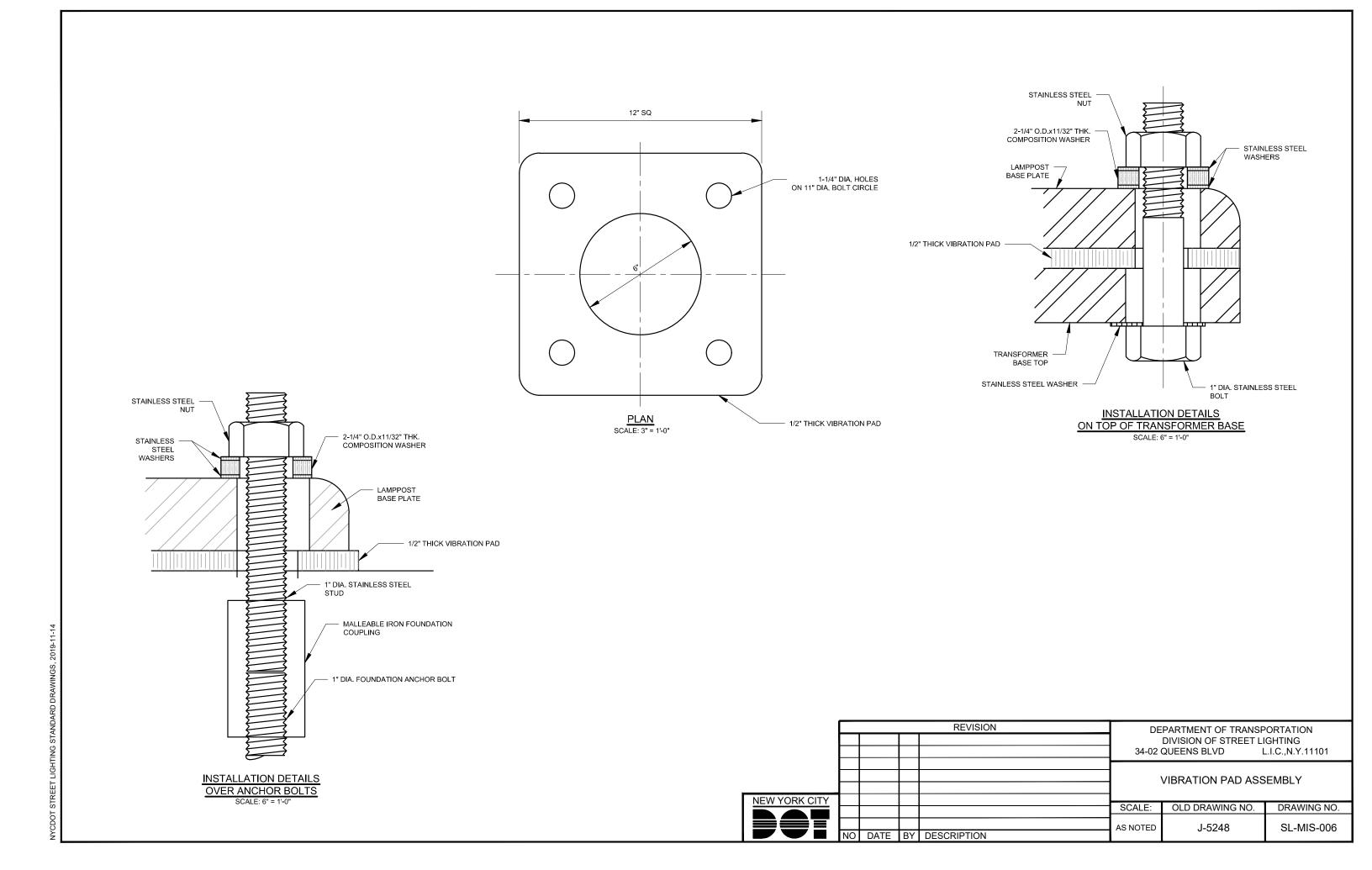
- 1. SIZE AND NO. OF CONDUCTORS AS CALLED FOR ON CONTRACT PLANS.
- 2. 2" CONDUIT, CONDUCTORS AND WEATHERHEAD AS REQUIRED FOR UNDERGROUND SERVICE INDICATED ON CONTRACT PLANS.
- 3. METHOD OF ATTACHMENT, GROUNDING AND FUSING ARE AS CALLED FOR ON CONTRACT PLANS.
- 4. THIS DRAWING IS CONCEPTUAL. FOR EXACT DETAILS, FOLLOW STREET LIGHTING PLANS.

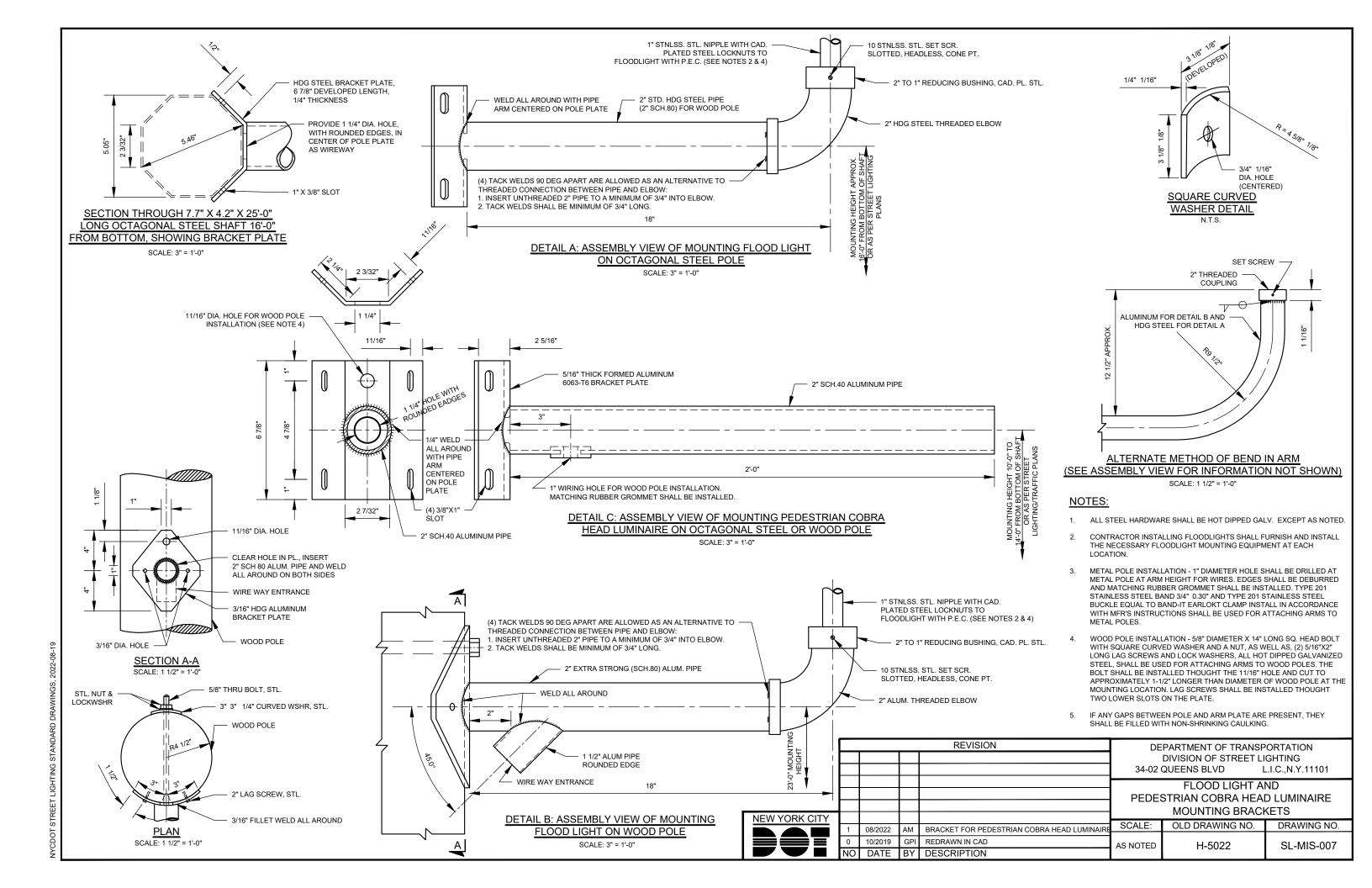
	REVISION	DEPARTMENT OF TRANSPORTATION				
		DIVISION OF STREET LIGHTING				
		34-02 QUEENS BLVD L.I.C.,N.Y.11101				
			_			

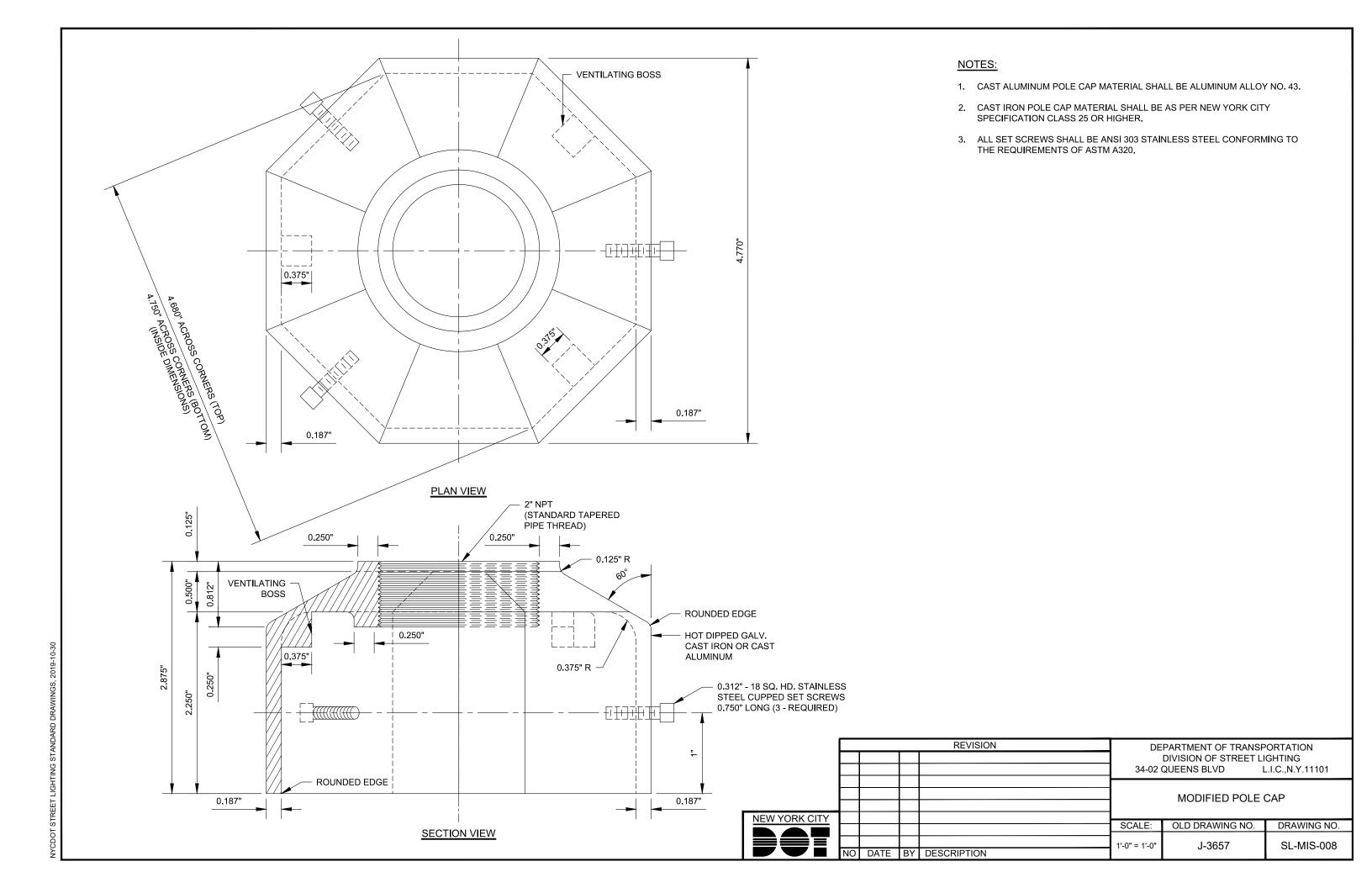
TEMPORARY LIGHT SUPPORT

SCALE: 3/8" = 1'-0" NO DATE BY DESCRIPTION

OLD DRAWING NO. DRAWING NO. J-5226 SL-MIS-005

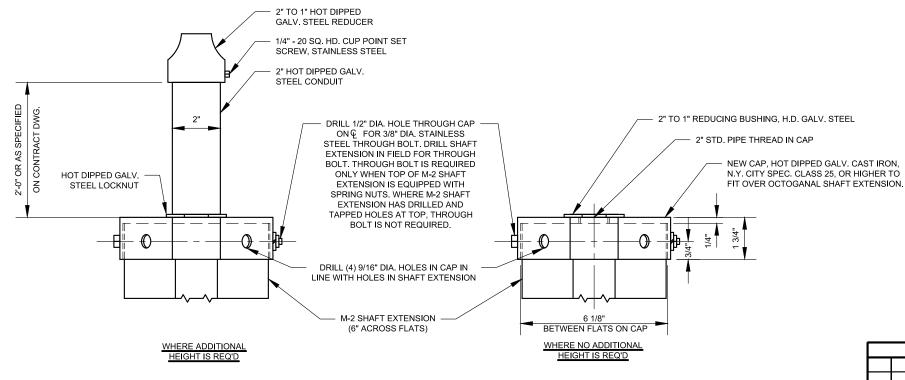






DETAIL A: MOUNTING ON ALUMINUM LAMPPOST

NOTE: USE 1/2" - 13 STAINLESS STEEL BOLTS AND LOCKWASHERS TO ATTACH TO NEW CAP. (FOR PHOTOCELL)



NOTES:

DATE BY DESCRIPTION

NEW YORK CITY

- 1. FOR MOUNTING PEC'S RECEPTACLE ON ALUMINUM LAMPPOST, ITEM SHALL BE ALUMINUM WITH ROUND POLE CAP AND ALUMINUM PIPE (IF REQUIRED).
- 2. AT EACH LOCATION CONTRACTOR SHALL INSTALL EITHER A SINGLE FLOODLIGHT, OR A THROUGHLIKE ARM WITH TWO FLOODLIGHTS, AS PER CONTRACT PLANS.
- 3. CONTRACTOR SHALL FURNISH AND INSTALL THE NECESSARY FLOODLIGHT MOUNTING EQUIPMENT SHOWN AT EACH LOCATION, EXCEPT AS NOTED.

3" = 1'-0"

4. WHERE SINGLE FLOODLIGHT IS INSTALLED, CONTRACTOR SHALL ALSO FURNISH AND INSTALL A 1" PIPE NIPPLE HEAVYWALL TYPE WITH TWO LOCKNUTS, ALL HOT DIPPED GALV. STEEL.

DETAIL B: MOUNTING ON M-2 SHAFT EXTENSION

NOTE: REMOVE TRAFFIC POST CAP WHERE EXISTING AND RETURN TO TRAFFIC DEPT. STOREYARD. USE EXISTING 1/2" - 13 BOLTS AND LOCKWASHERS ATTACH NEW CAP. (FOR PHOTOCELL OR FLOODLIGHT) REVISION

DEPARTMENT OF TRANSPORTATION
DIVISION OF STREET LIGHTING
34-02 QUEENS BLVD

L.I.C.,N.Y.11101

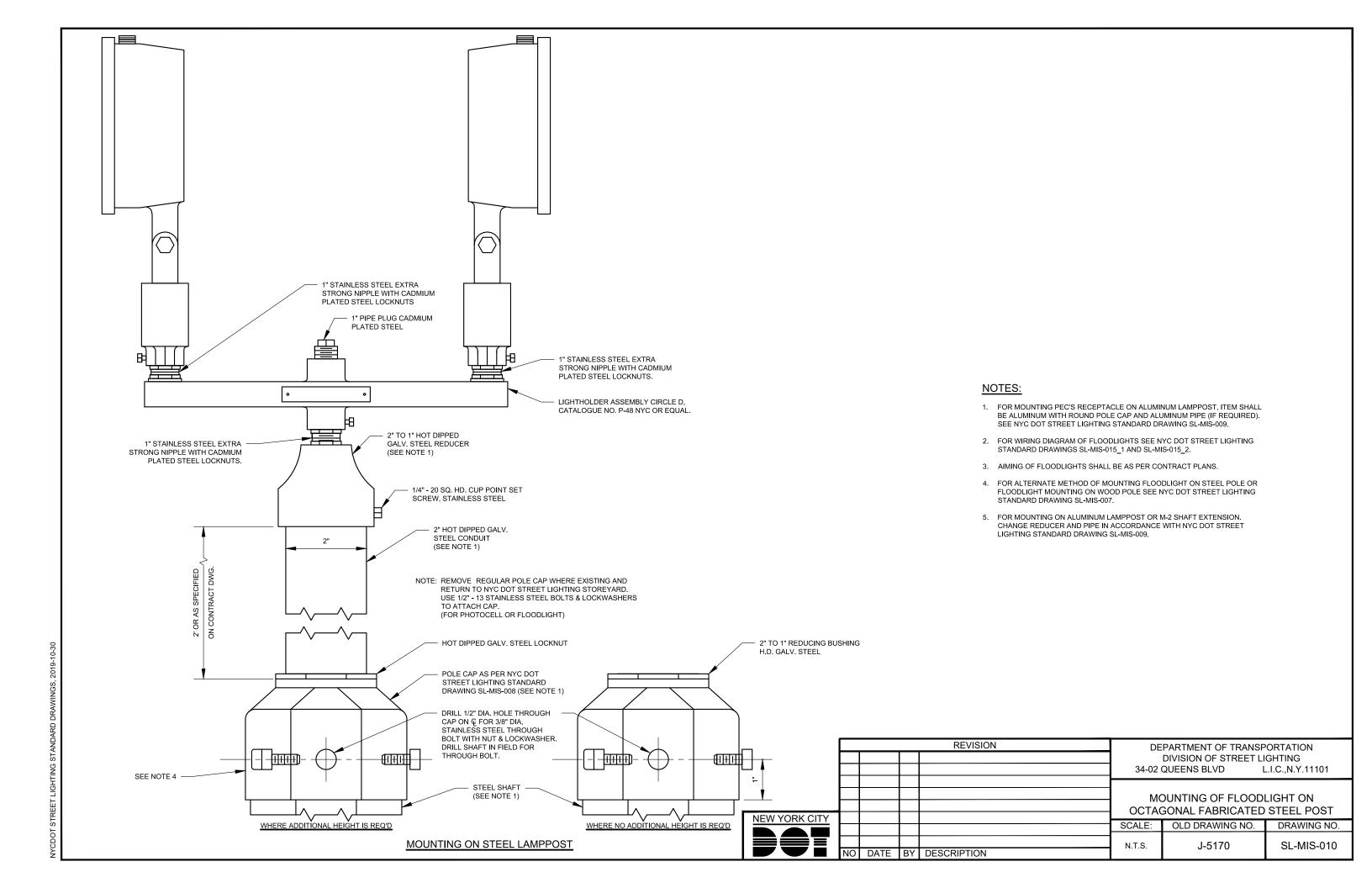
MOUNTING TROUGH METHODS

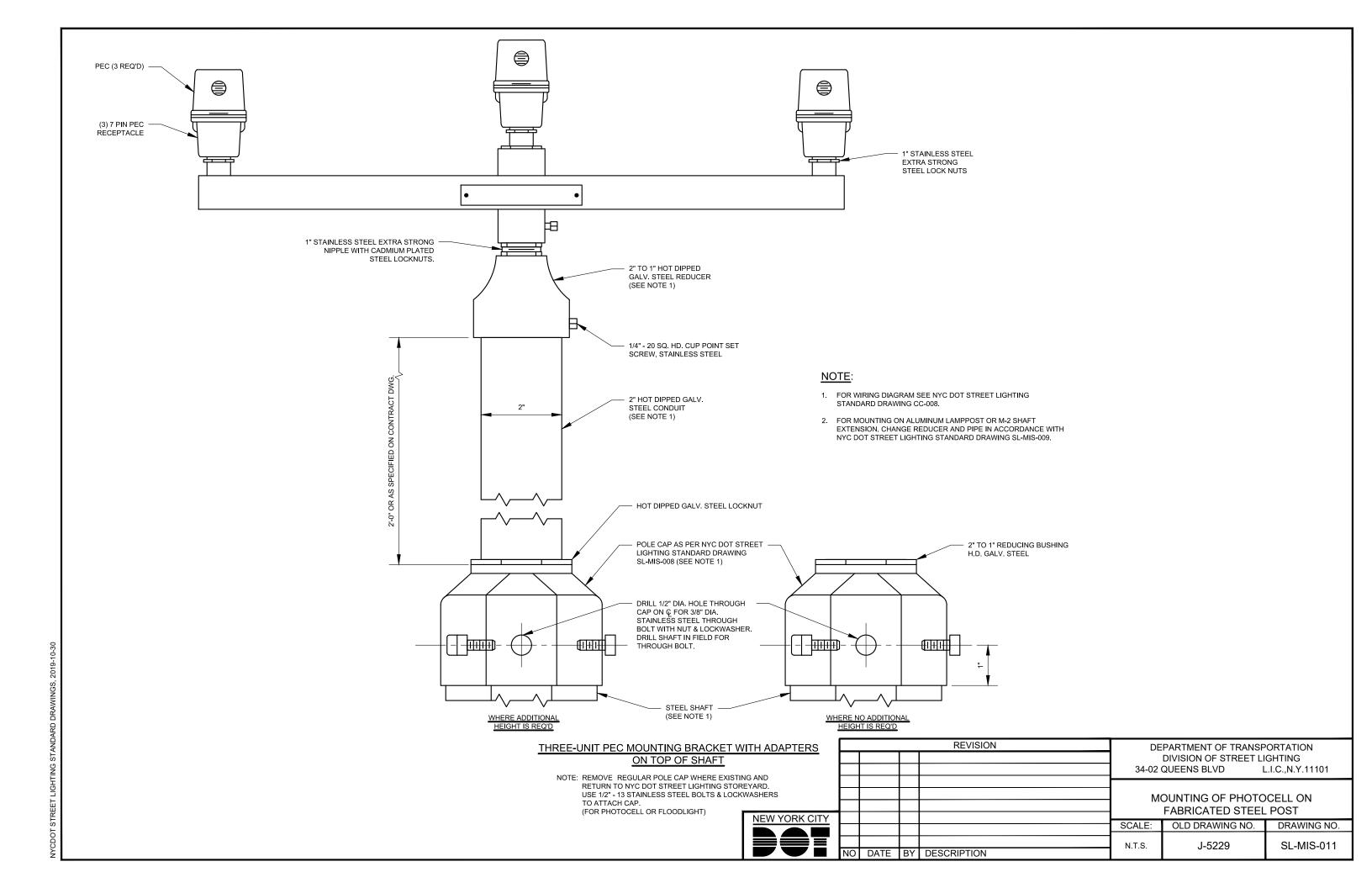
MOUNTING TROUGH METHODS
(PHOTOCELL AND FLOODLIGHT)

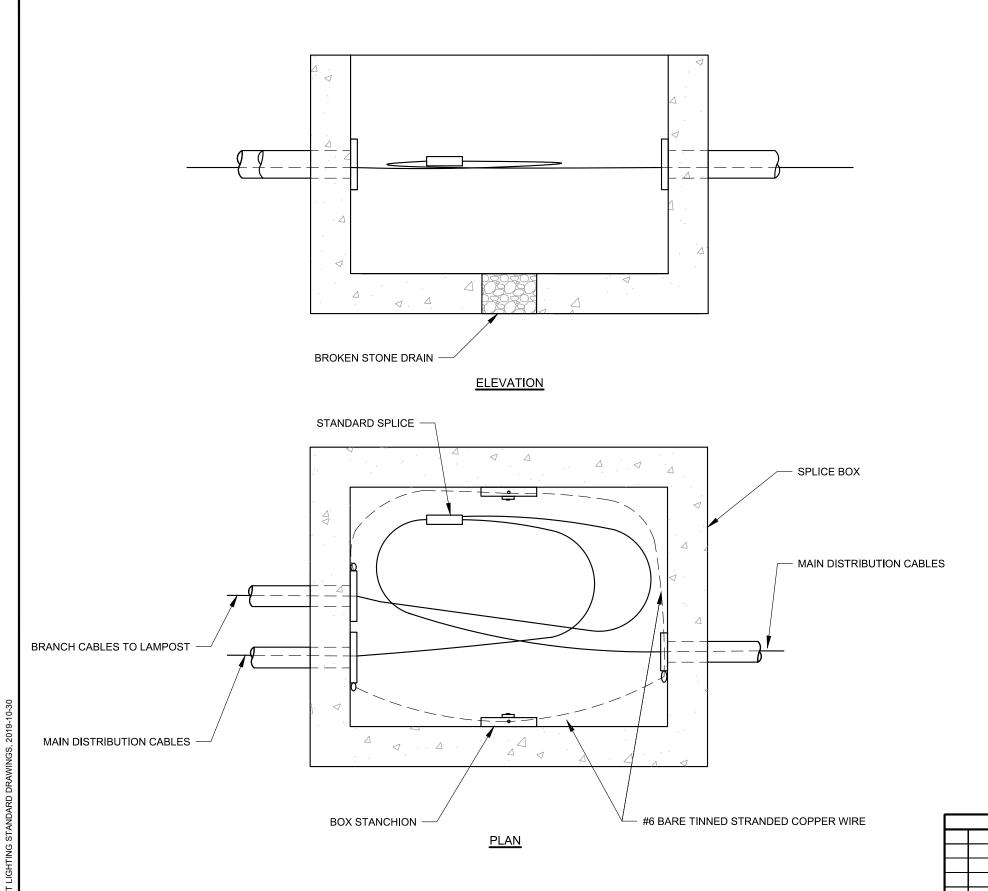
SCALE: OLD DRAWING NO. DRAWING

OLD DRAWING NO. DRAWING NO.

H-5115-A SL-MIS-009







REVISION

NEW YORK CITY

- 1. BOX STANCHIONS SHALL BE BONDED TO CONDUIT GROUNDING BUSHING BY MEANS OF #6 BARE TINNED STRANDED COPPER WIRE.
- 2. WRAP # 6 WIRE AROUND STANCHION BOLT, PLACE WIRE BETWEEN WALL AND STANCHION, THEN TIGHTEN BOLT TO ASSURE GOOD CONTACT BETWEEN WIRE AND STANCHION.

DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING

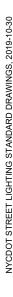
34-02 QUEENS BLVD L.I.C.,N.Y.11101

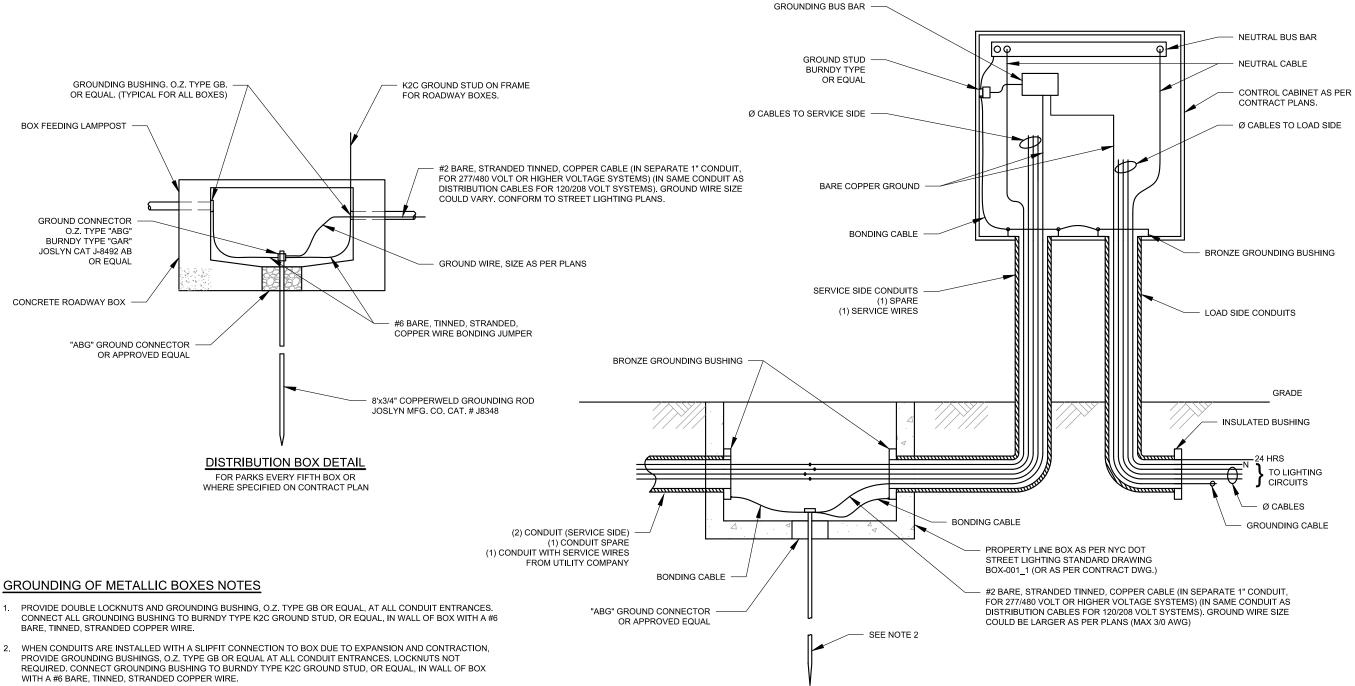
TYPICAL METHOD OF ARRANGING CABLES IN SPLICE BOX SHOWING SLACK

SCALE: OLD DRAWING NO. DRAWING NO.

DATE BY DESCRIPTION

N.T.S. D-3325-A SL-MIS-012



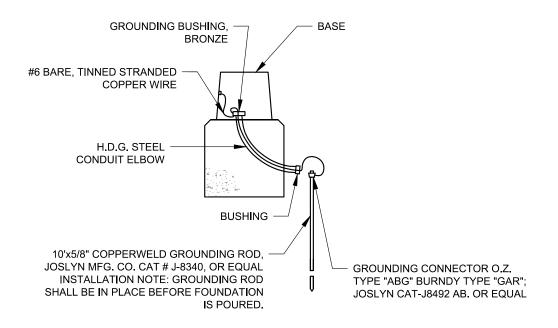


- WITH A #6 BARE, TINNED, STRANDED COPPER WIRE.
- 3. WHEN CONDUIT PASS THROUGH AN EXPANSION JOINT A BONDING JUMPER SHALL BE INSTALLED.

- 1. ALL CONDUITS ENTERING BOXES OR CONTROL CABINETS SHALL HAVE A BRONZE GROUNDING BUSHING TYPE "GB", O.Z. ELECTRIC COMPANY OR EQUAL.
- 2. GROUNDING ROD SHALL BE 10"X3/4" COPPERWELD JOSLYN MFG. CO. CAT # J8348 OR EQUAL.
- 3. NUMBER AND SIZE OF WIRES AND CONDUITS SHALL BE AS PER CONTRACT PLANS.
- A) FOR BOXES USED AT PARKS (OR AS CALLED FOR IN CONTRACT PLANS), THERE SHALL BE AN RFID MARKER AS PER 3M "BALL MARKERS" NO. "3M ID BALL MARKED 1428-XR/ID", OR APPROVED EQUAL.

B) FOR EACH BOX, CONTRACTOR SHALL ADD SERIAL NUMBER OF USED MARKER IN AS-BUILT PLANS.

					REVISION	DEPARTMENT OF TRANSPORTATION				
						DIVISION OF STREET LIGHTING				
						34-02 QUEENS BLVD L.I.C.,N.Y.11101				
							GROUNDING METHO	DD FOR		
_						CONTROL CABINET				
	NEW YORK CITY									
						SCALE:	OLD DRAWING NO.	DRAWING NO.		
						1				
						N.T.S.	H-5166	SL-MIS-013		
		NO	DATE	BY	DESCRIPTION					



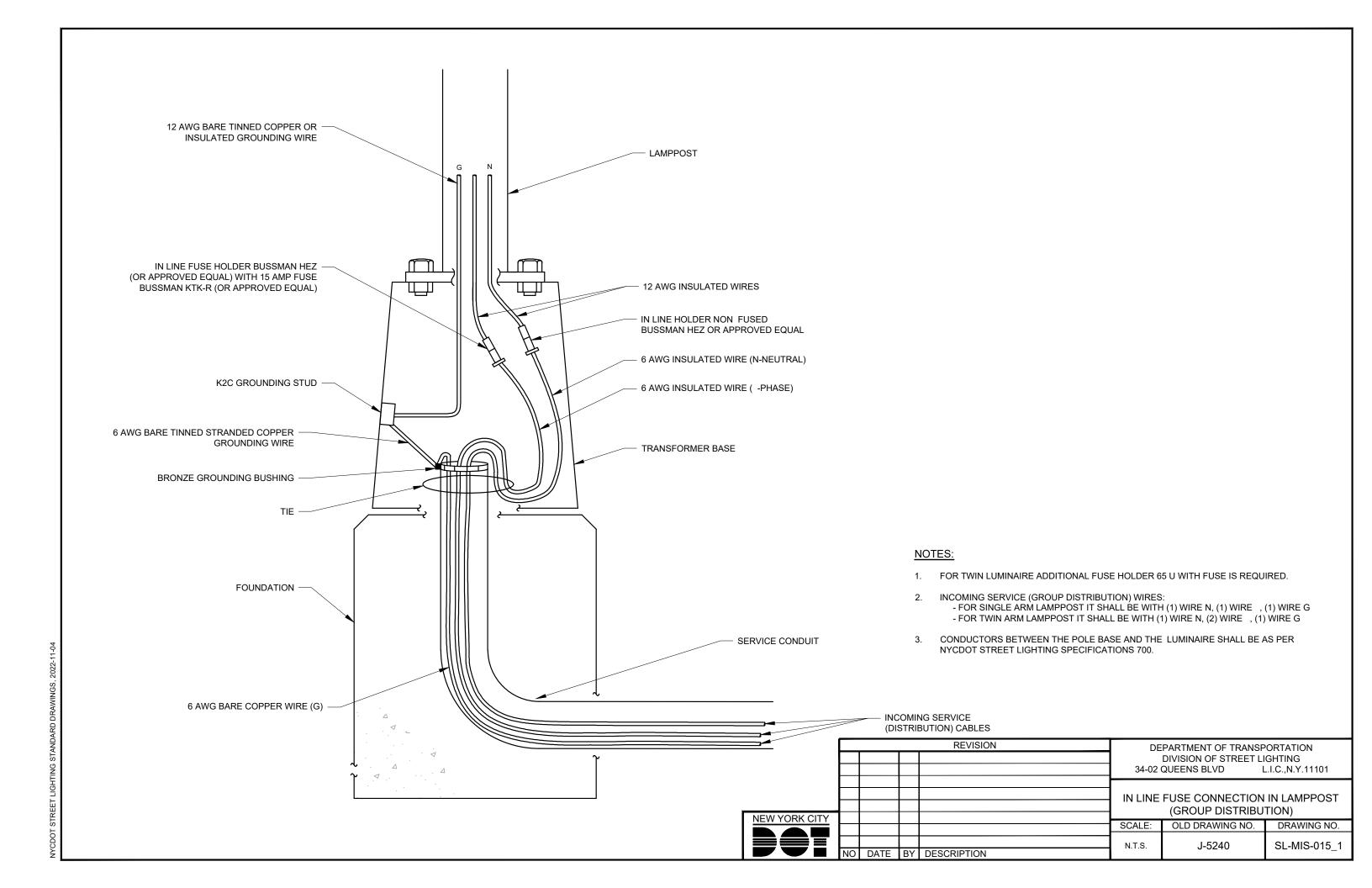
DETAIL 2

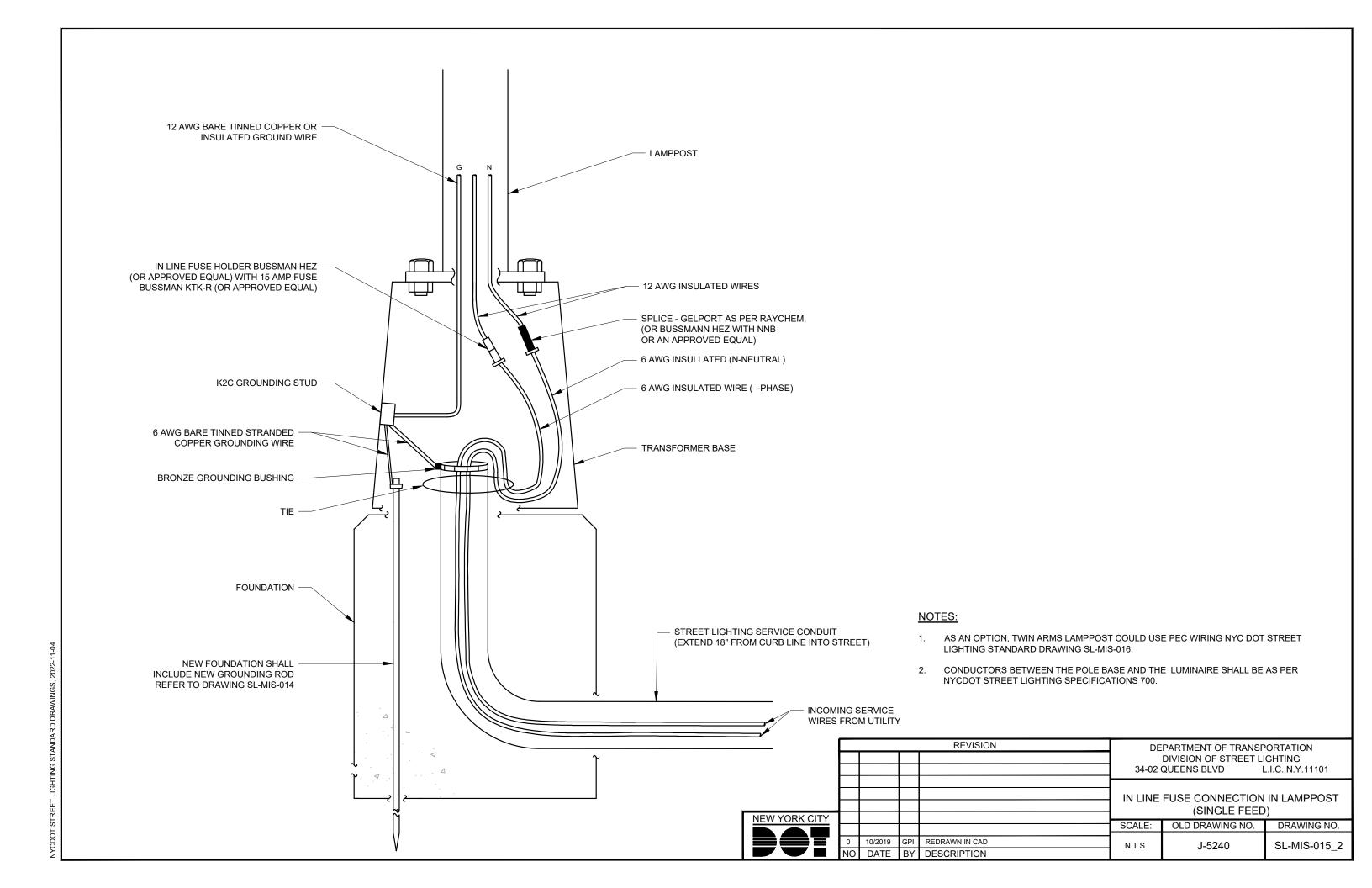
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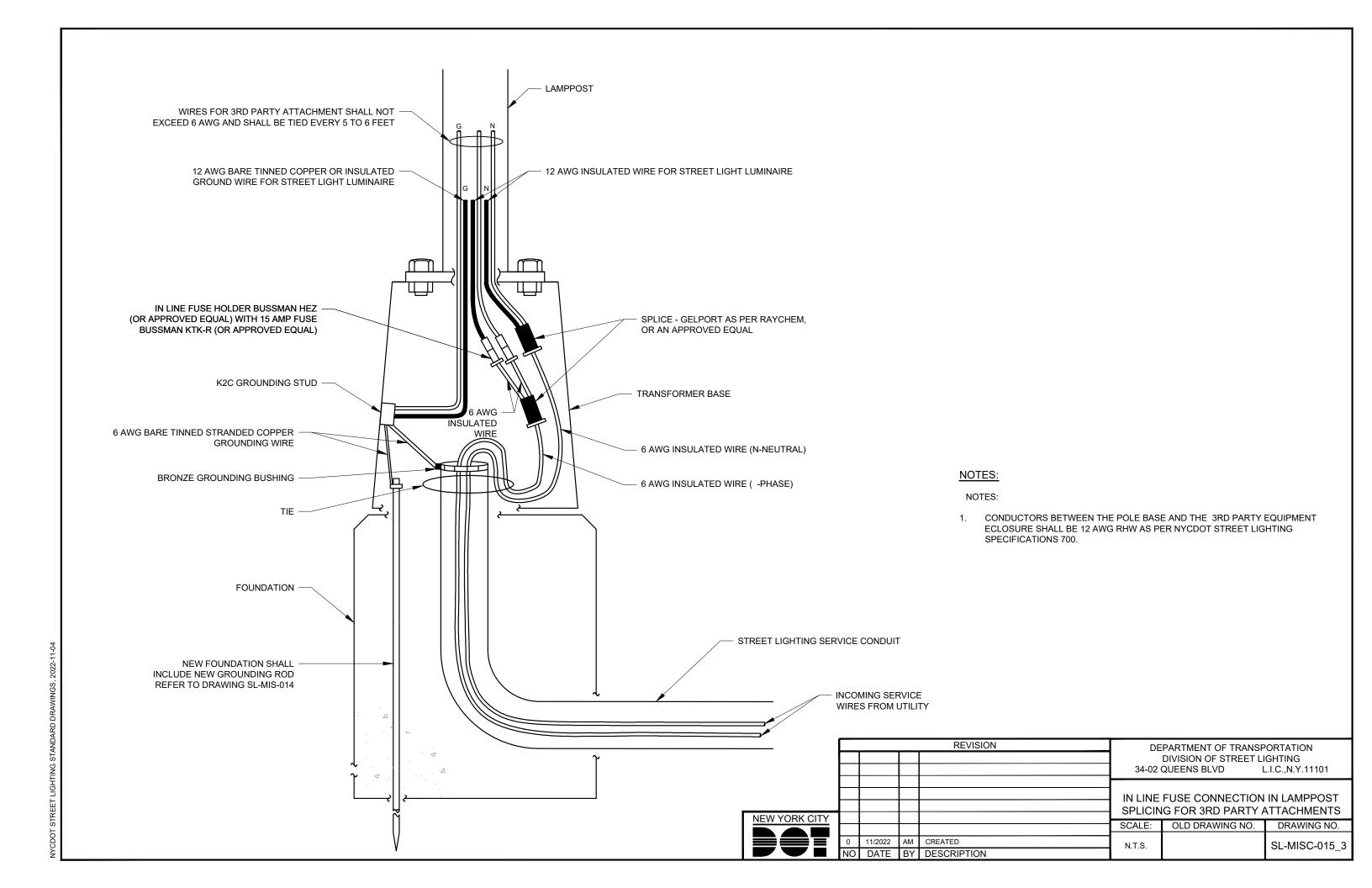
- 1. FOUNDATION TO BE POURED IN PLACE AFTER INSTALLATION OF GROUNDING ROD & 2" CONDUIT BENDS.
- 2. GROUNDING ROD SHALL BE 10'x3/4" COPPERWELD JOSLYN MFG. CO. CAT # J8348 OR EQUAL.
- 3. SECOND ELBOW (CONDUIT) ENDS SHALL BE PACKED WITH DUCT WEATHER SEAL.
- 4. 2" CONDUIT AND ELBOW BEND SHALL BE: 24" BELOW GRADE FOR SINGLE FEED POSTS; OR 18" BELOW GRADE FOR GROUP DISTRIBUTION.
- BONDING WIRE BETWEEN GROUND ROD AND K2C SHALL BE NO. 6 AWG BARE TINNED STRANDED COPPER WIRE.
- 3. ALL GROUND WIRES SHALL BE BARE TINNED STRANDED COPPER, WITH SIZE AS INDICATED IN STREET LIGHTING PLANS.
- 7. GROUND ROD SHALL BE ONE INCH ABOVE CONDUIT GROUNDING BUSHING.

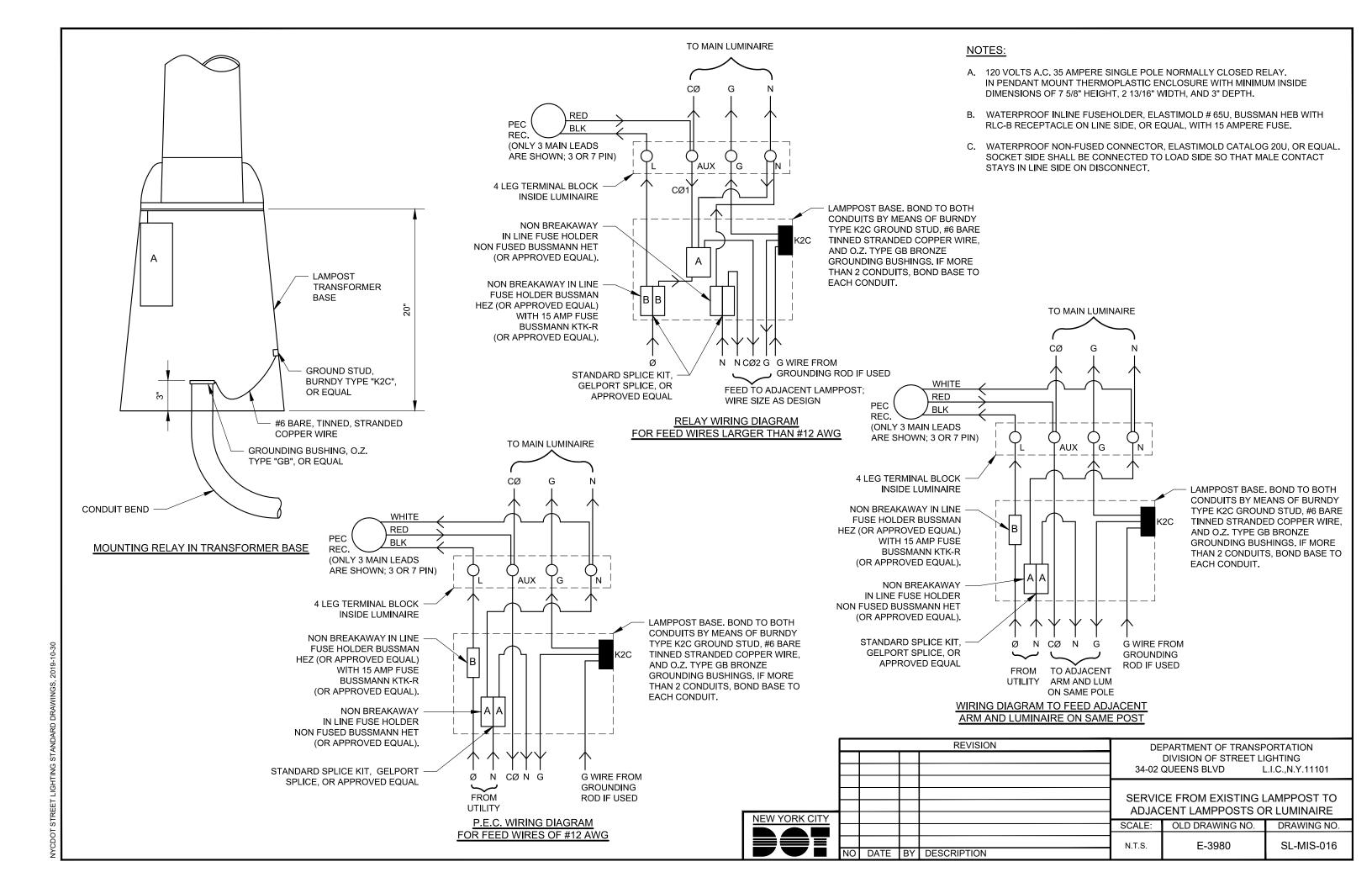
				REVISION	DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101			
NEW YORK CITY					GROU	NDING METHOD FOR	OR LAMPPOSTS	
NEW YORK CITY					SCALE:	OLD DRAWING NO.	DRAWING NO.	
	NO	DATE	BY	DESCRIPTION	N.T.S.	H-5166	SL-MIS-014	

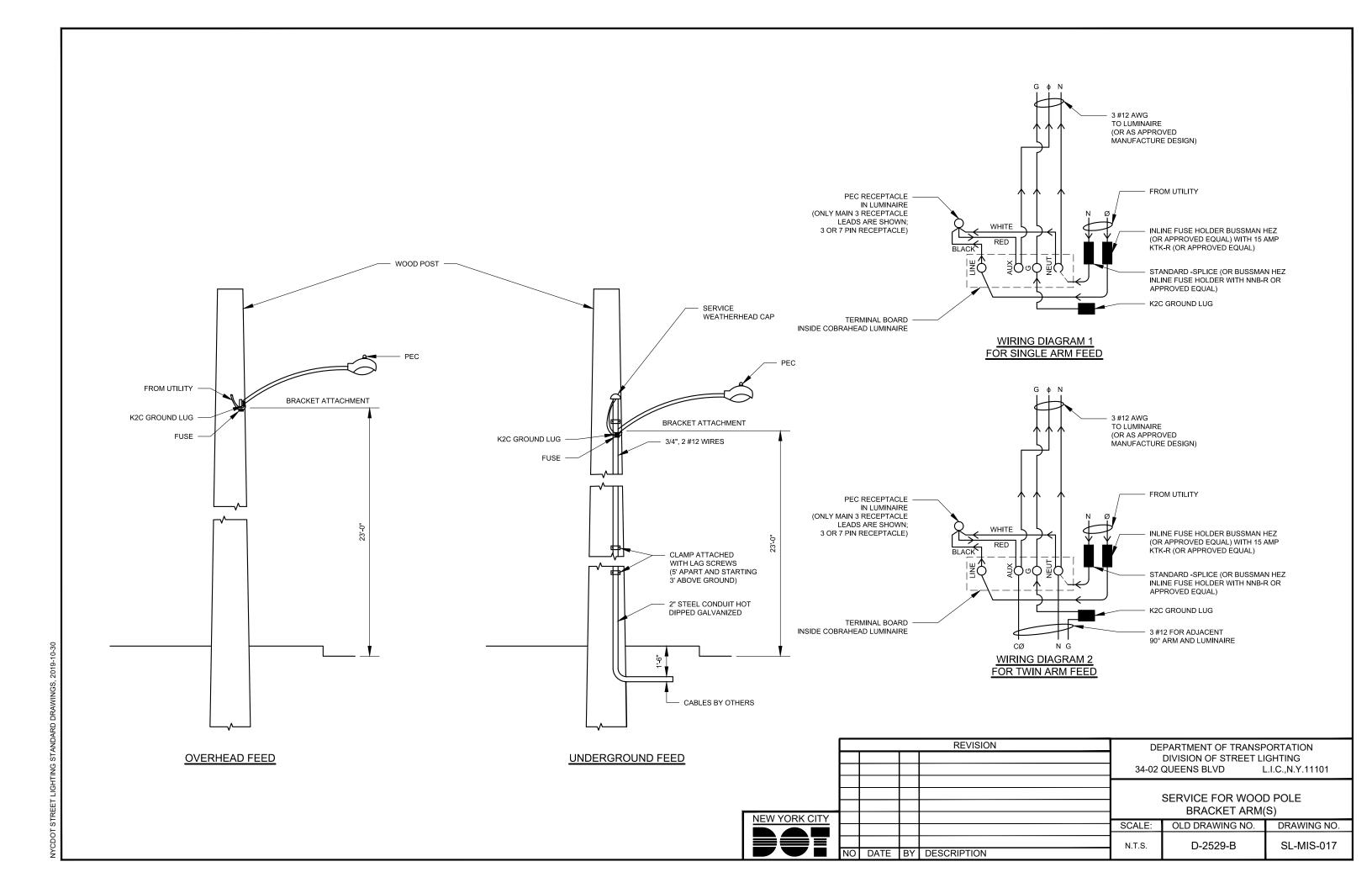
NYCDOT STREET LIGHTING STANDARD DRAWINGS, 2019-10-3

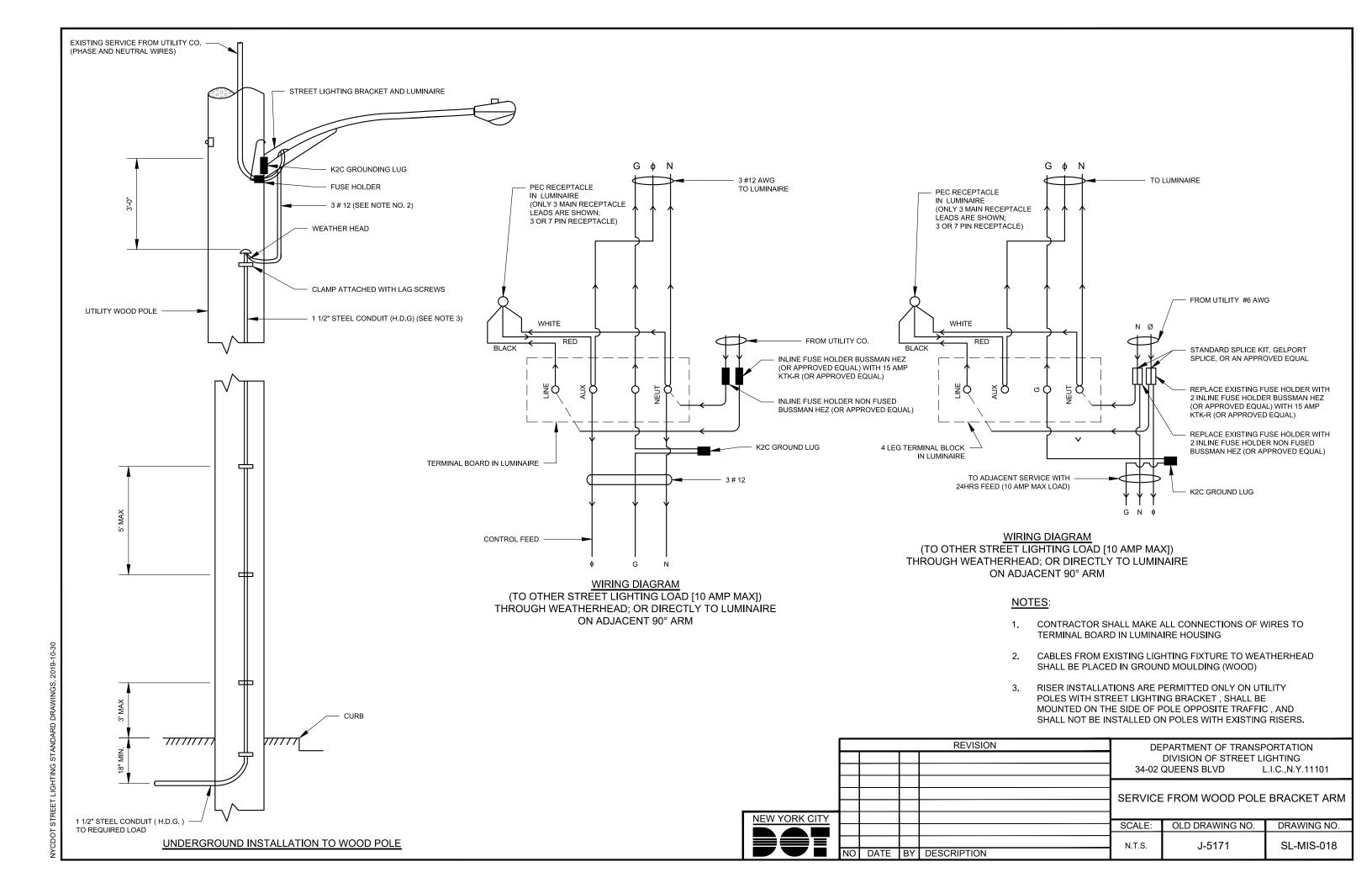


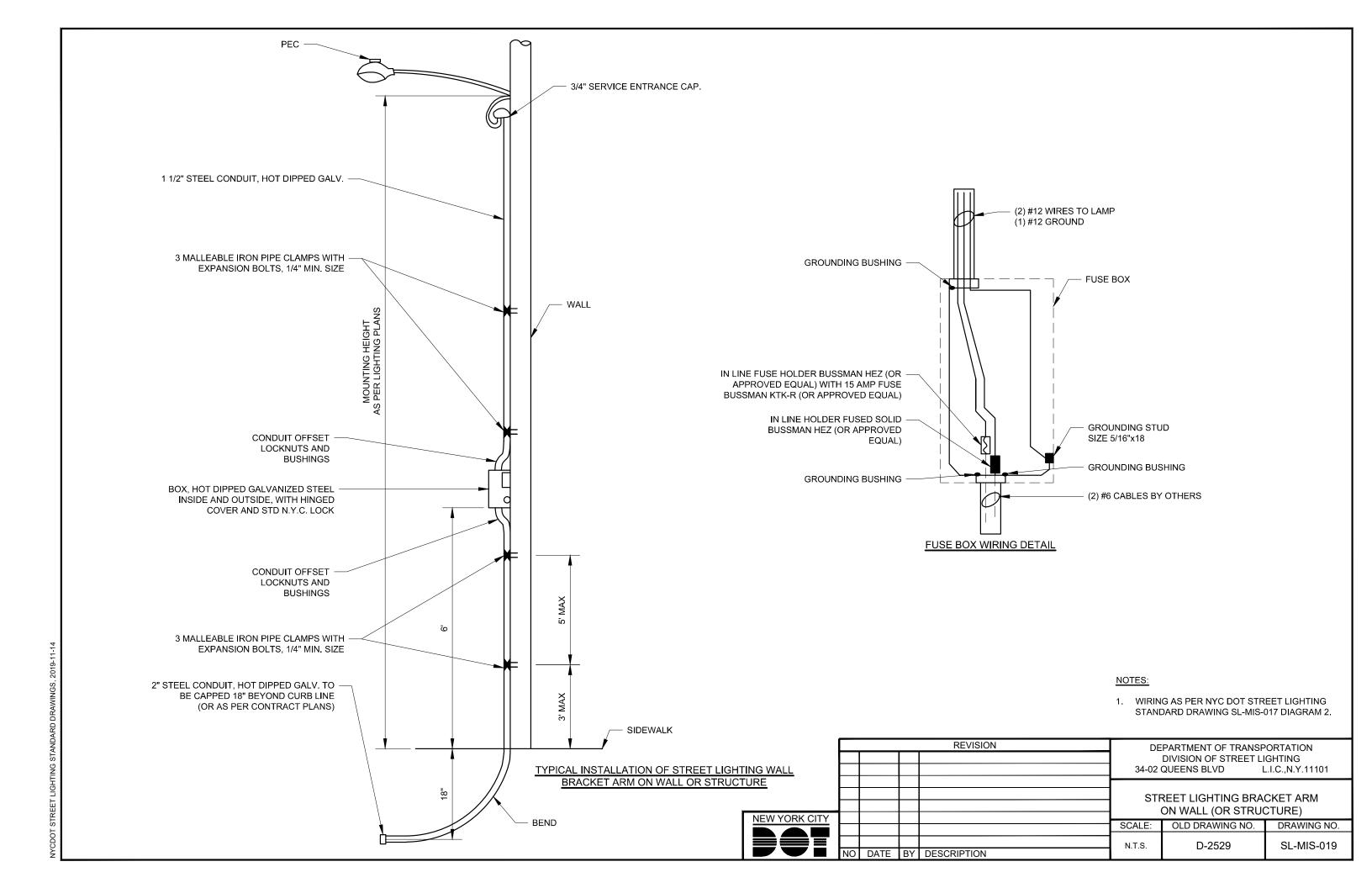


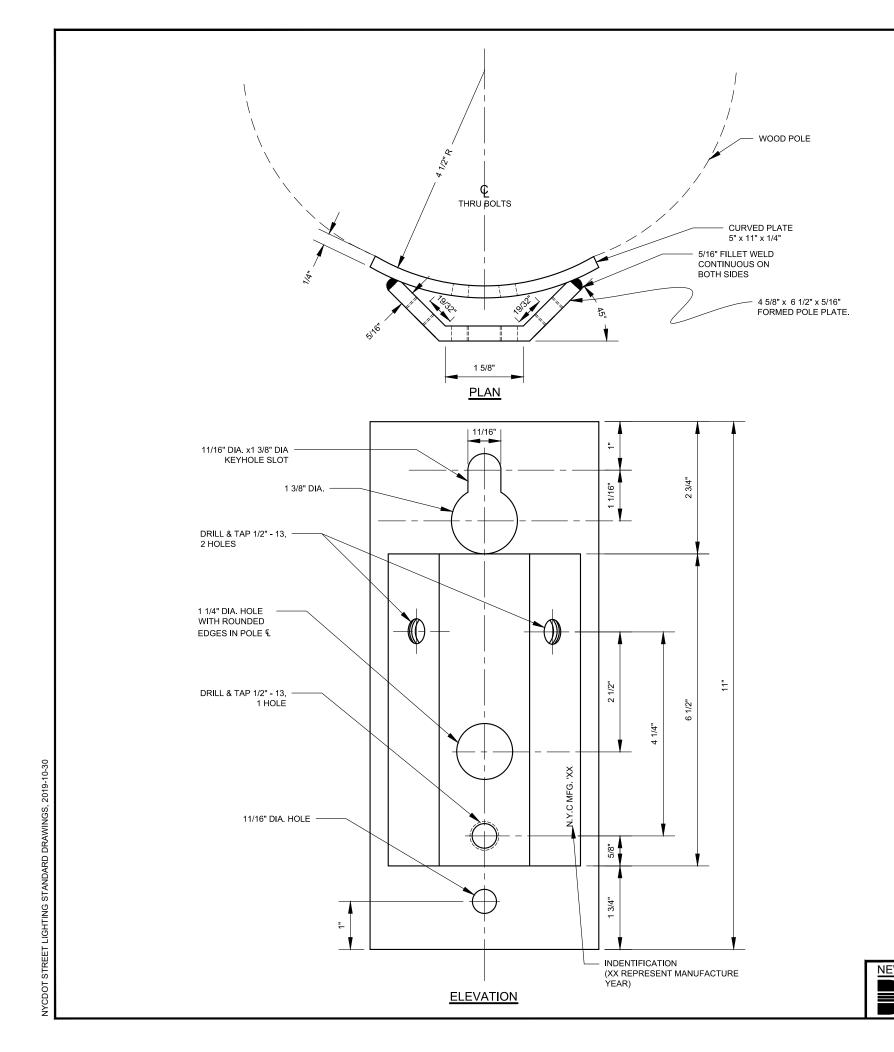


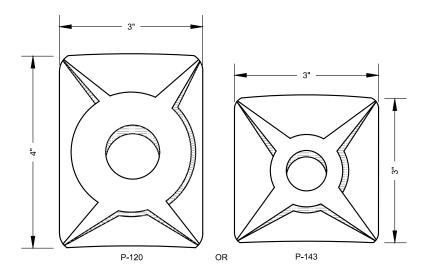






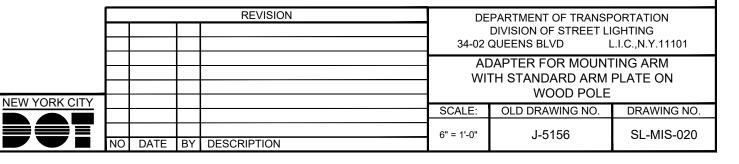


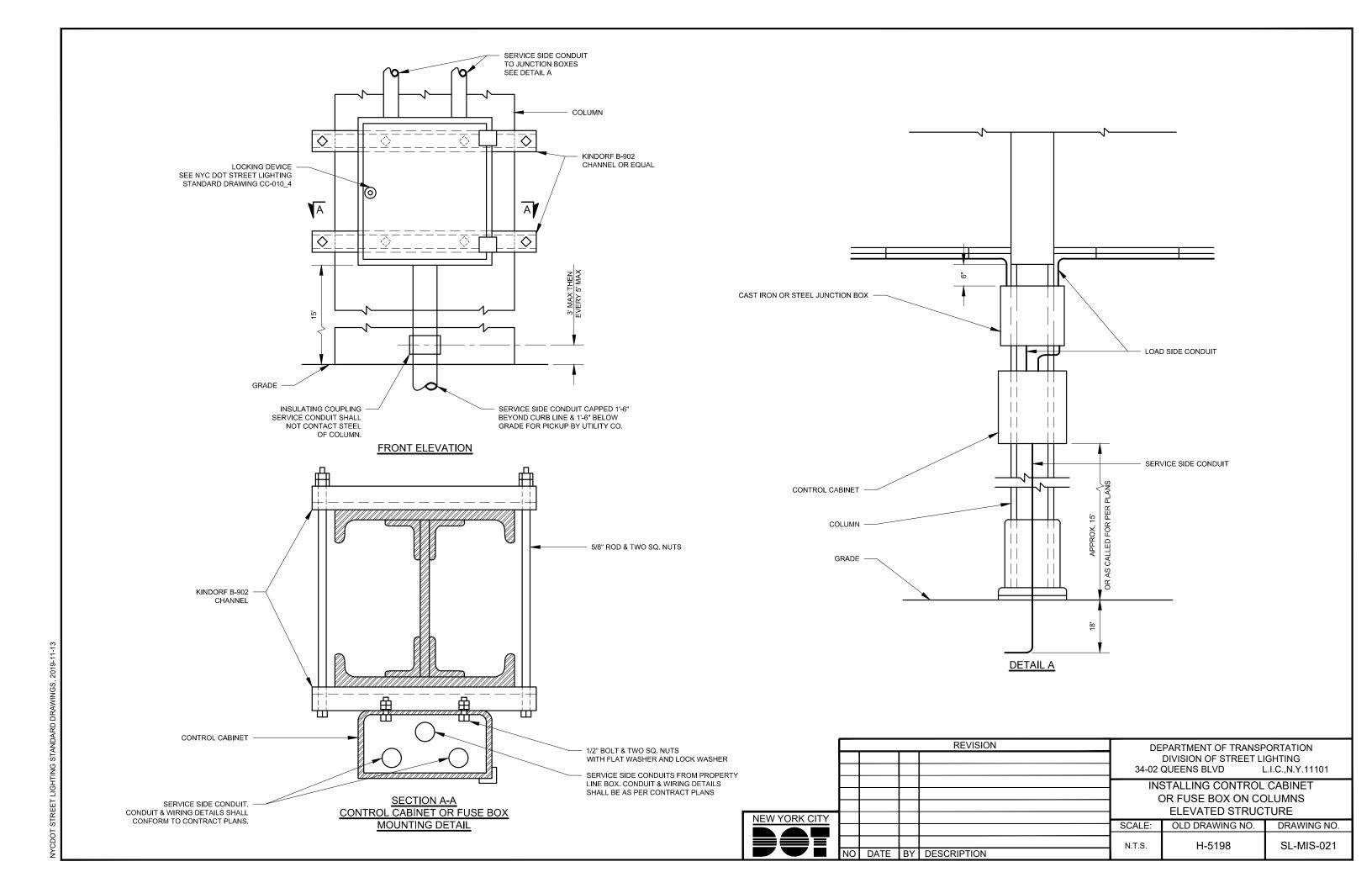


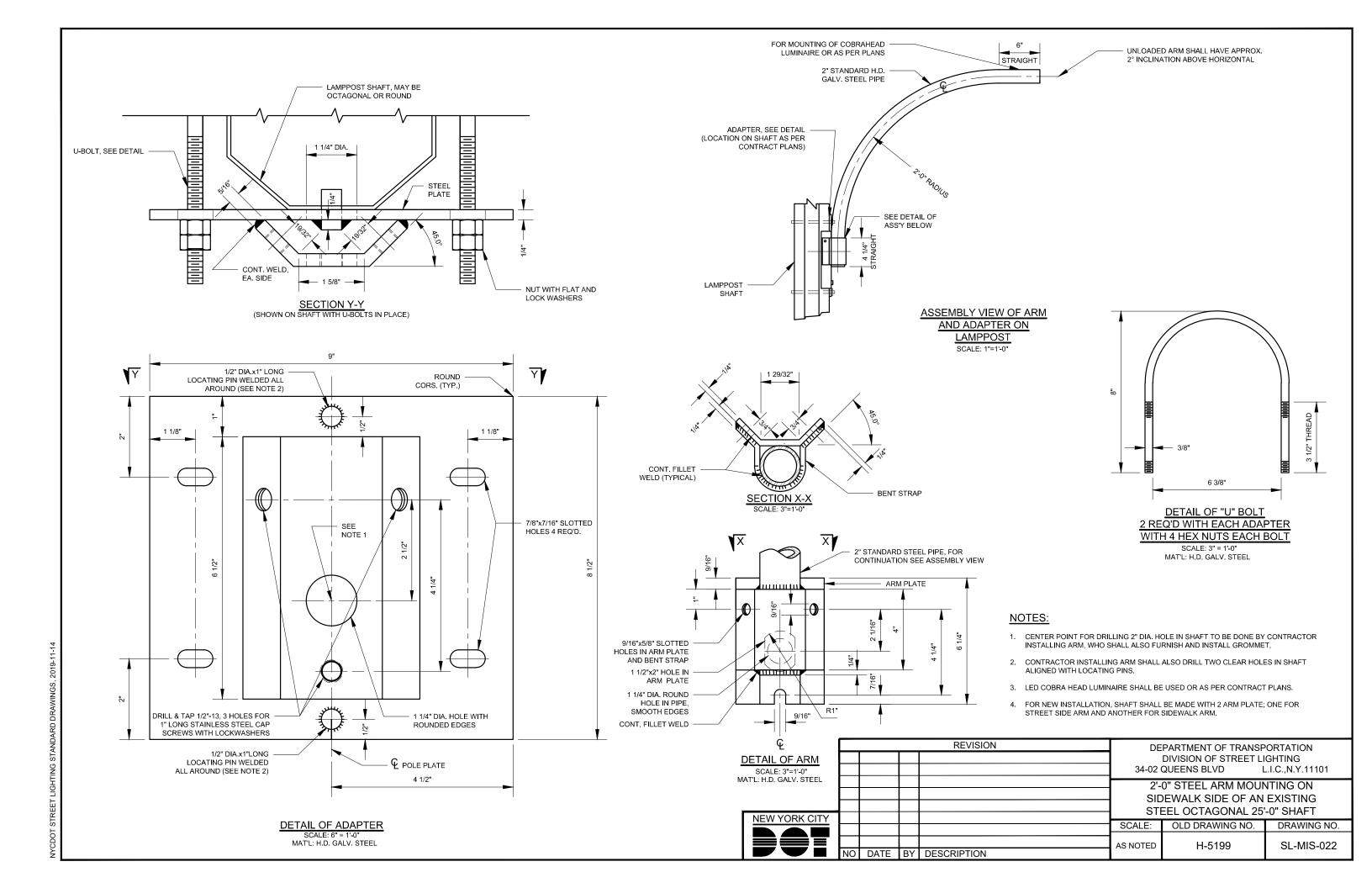


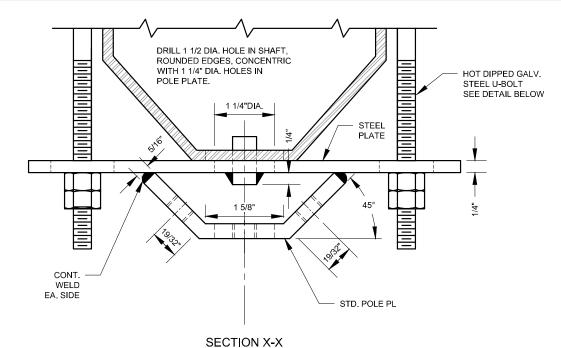
WASHER ALTERNATES

- 1. MATERIAL: HOT DIPPED GALVANIZED STEEL.
- 2. TWO (2) 5/8" DIAMETER SQ. H.D. BOLTS x 14" LG. WITH SQUARE NUTS, ALL HOT DIPPED GALVANIZED STEEL, SHALL BE FURNISHED WITH EACH ADAPTER. LENGTH OF BOLTS SHALL BE CUT TO APPROX. 1 1/2"LONGER THAN DIAMETER OF POLE AT ADAPTER LOCATION, ON INSTALLATION. TWO (2) MALLEABLE IRON CURVED WASHERS, WITH RADIAL REINFORCED RIB DESIGN AND BOSS AROUND HOLE FOR 5/8" BOLT, SHALL ALSO BE FURNISHED WITH EACH ADAPTER. WASHERS SHALL BE AS SHOWN IN VIEW LABELED "WASHER ALTERNATIVES" AND SHALL BE EQUAL TO MALLEABLE IRON FITTINGS CO. CAT NO. P120 OR P143.
- 3. INSTALLATION NOTE: HEAD OF BOLT SHALL BE AGAINST ADAPTER, WITH NUT AND WASHER ON SIDE OF POLE 180 DEGRESS FROM ARM LOCATION. END OF BOLT SHALL NOT CREATE HAZARD TO WORKMAN ON POLE.

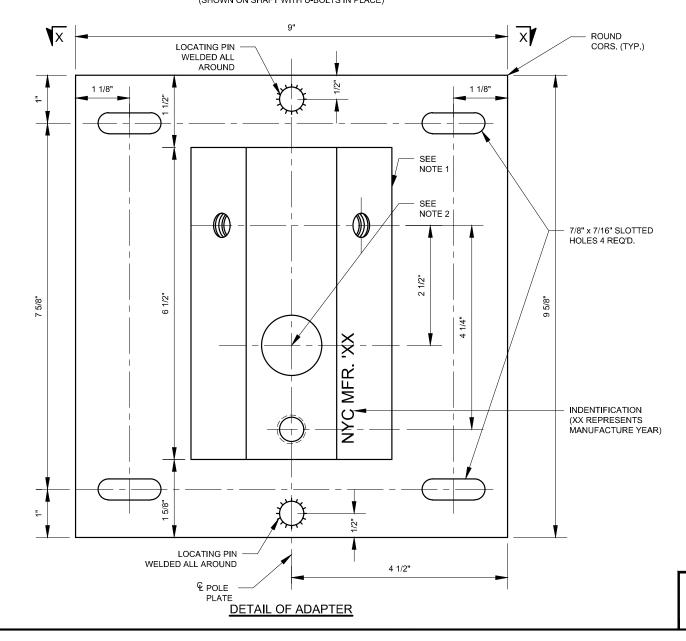


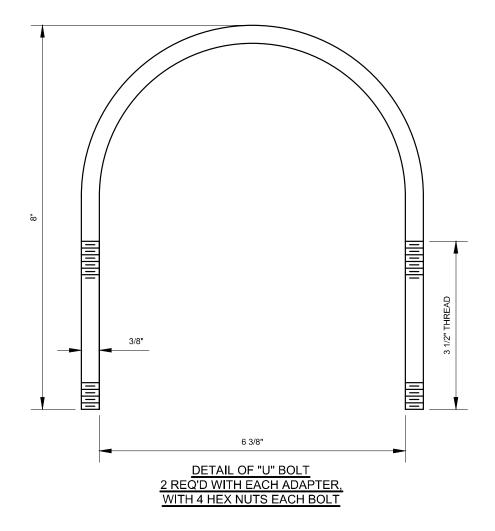






(SHOWN ON SHAFT WITH U-BOLTS IN PLACE)

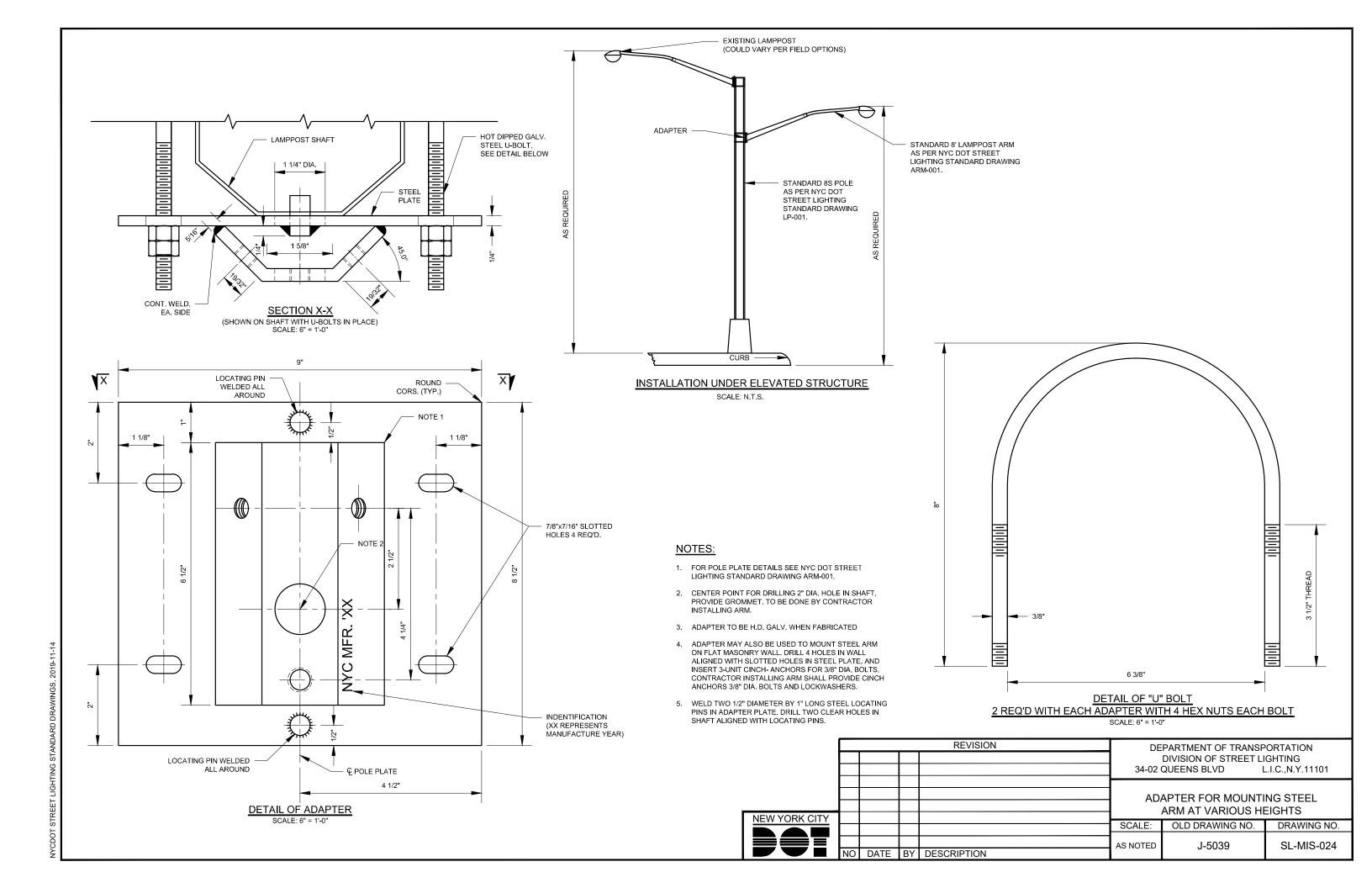


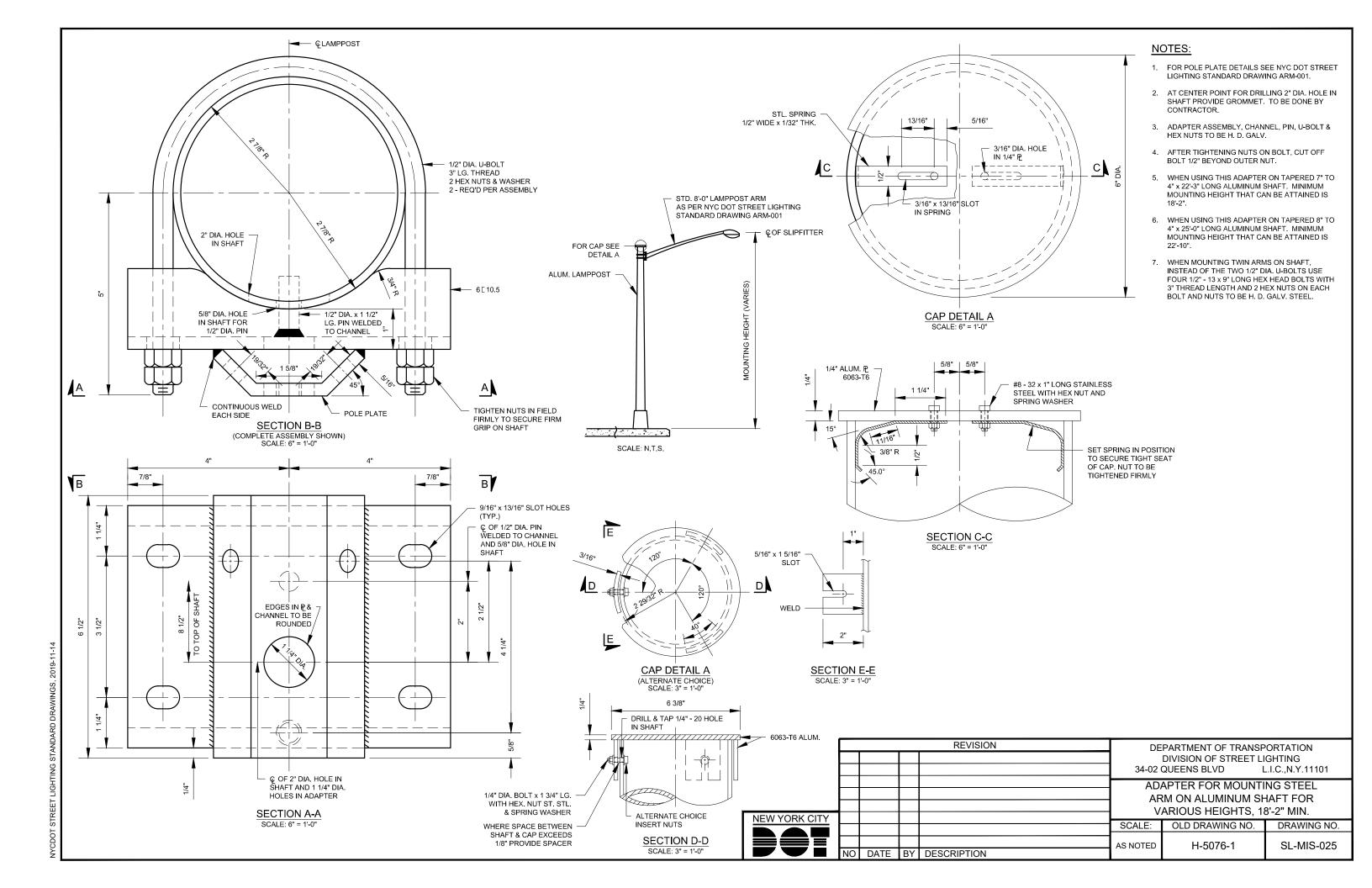


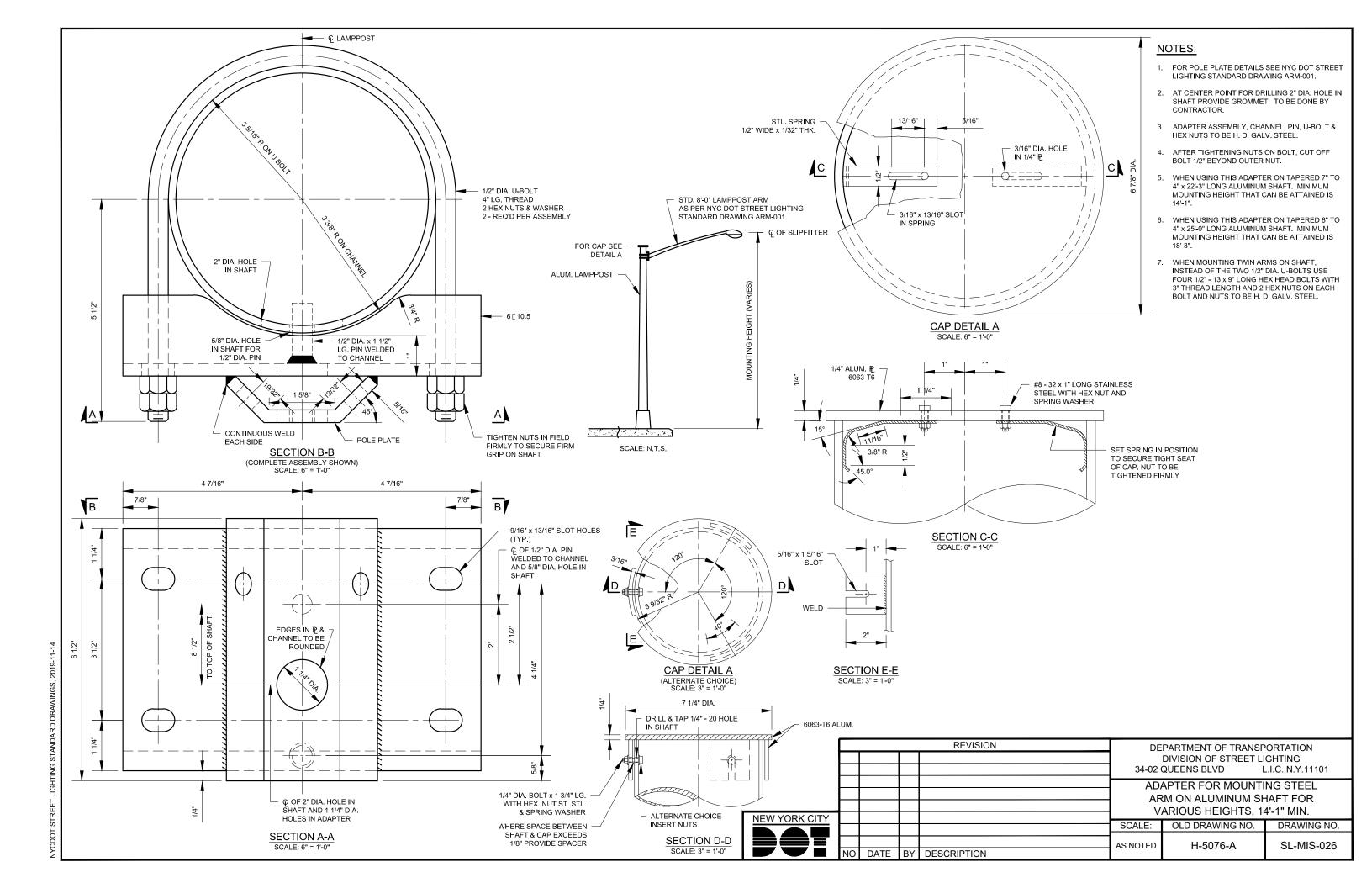
NOTES:

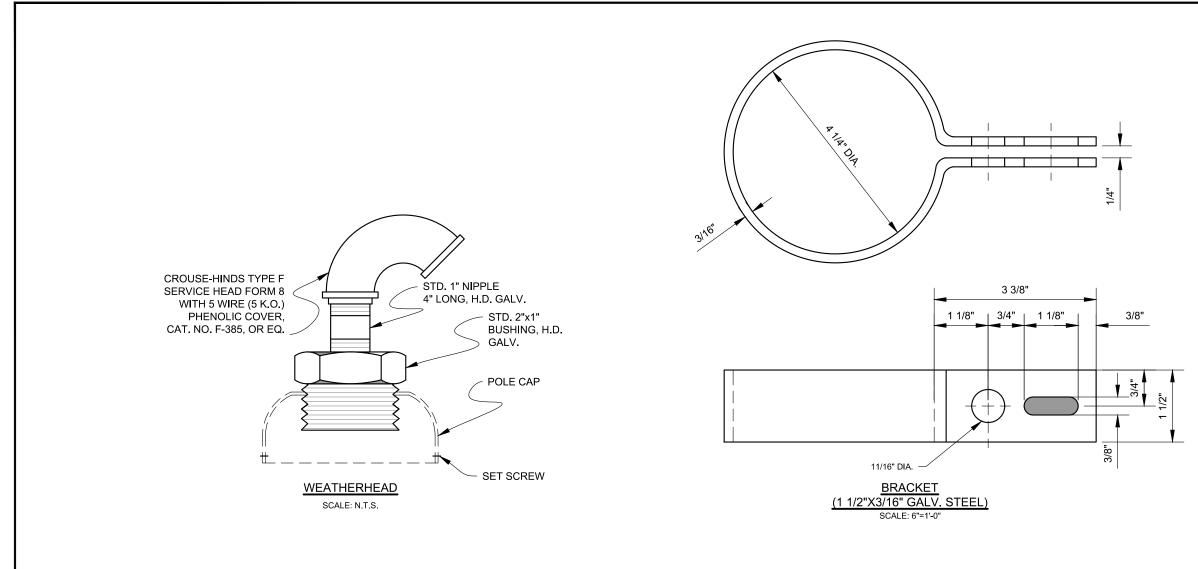
- FOR POLE PLATE DETAILS SEE NYC DOT STREET LIGHTING STANDARD DRAWING ARM-001.
- 2. CENTER POINT FOR DRILLING 2" DIA. HOLE IN SHAFT, PROVIDE GROMMET. TO BE DONE BY CONTRACTOR INSTALLING ARM.
- 3. ADAPTER SHALL BE HOT DIPPED GALVANIZED STEEL.
- 4. WELD TWO 1/2" DIAMETER BY 1" LONG STEEL LOCATING PINS IN ADAPTER PLATE. DRILL TWO CLEAR HOLES IN SHAFT ALIGNED WITH LOCATING PINS.

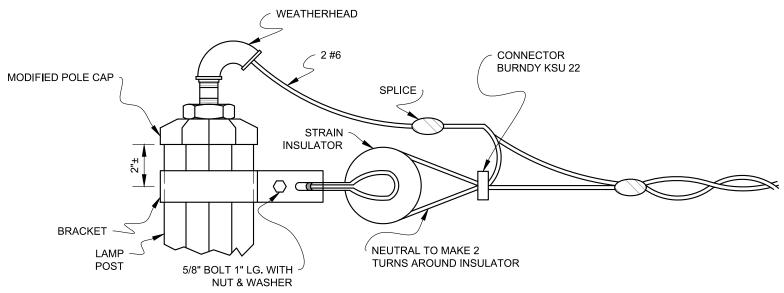
				REVISION	DEPARTMENT OF TRANSPORTATION			
					DIVISION OF STREET LIGHTING			
					34-02	34-02 QUEENS BLVD L.I.C.,N.Y.1110		
					ADAPTER FOR MOUNTING 90° ARM ON			
ITY					EXISTING H-5026 EXTENSION ON M-2 POST			
					SCALE:	OLD DRAWING NO.	DRAWING NO.	
					6" = 1'-0"	J-5039-A	SL-MIS-023	
	NO	DATE	BY	DESCRIPTION		0 000071	02 MIO 020	











NO DATE BY DESCRIPTION

REVISION

DEPARTMENT OF TRANSPORTATION
DIVISION OF STREET LIGHTING
34-02 QUEENS BLVD L.I.C.,N.Y.11101

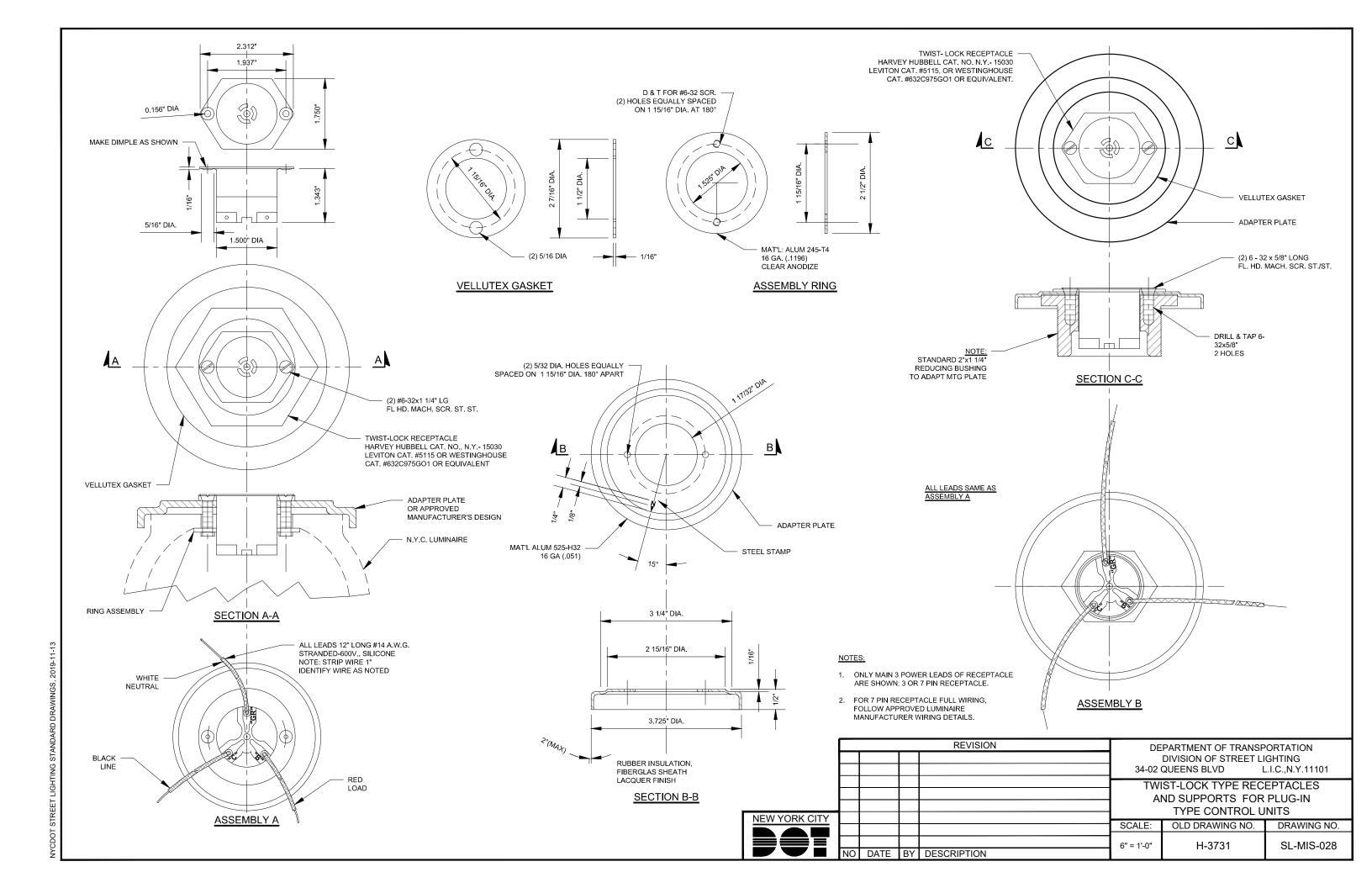
OVERHEAD SERVICE FROM EXISTING STANDARD TAPERED OCTAGONAL STEEL LAMPPOST

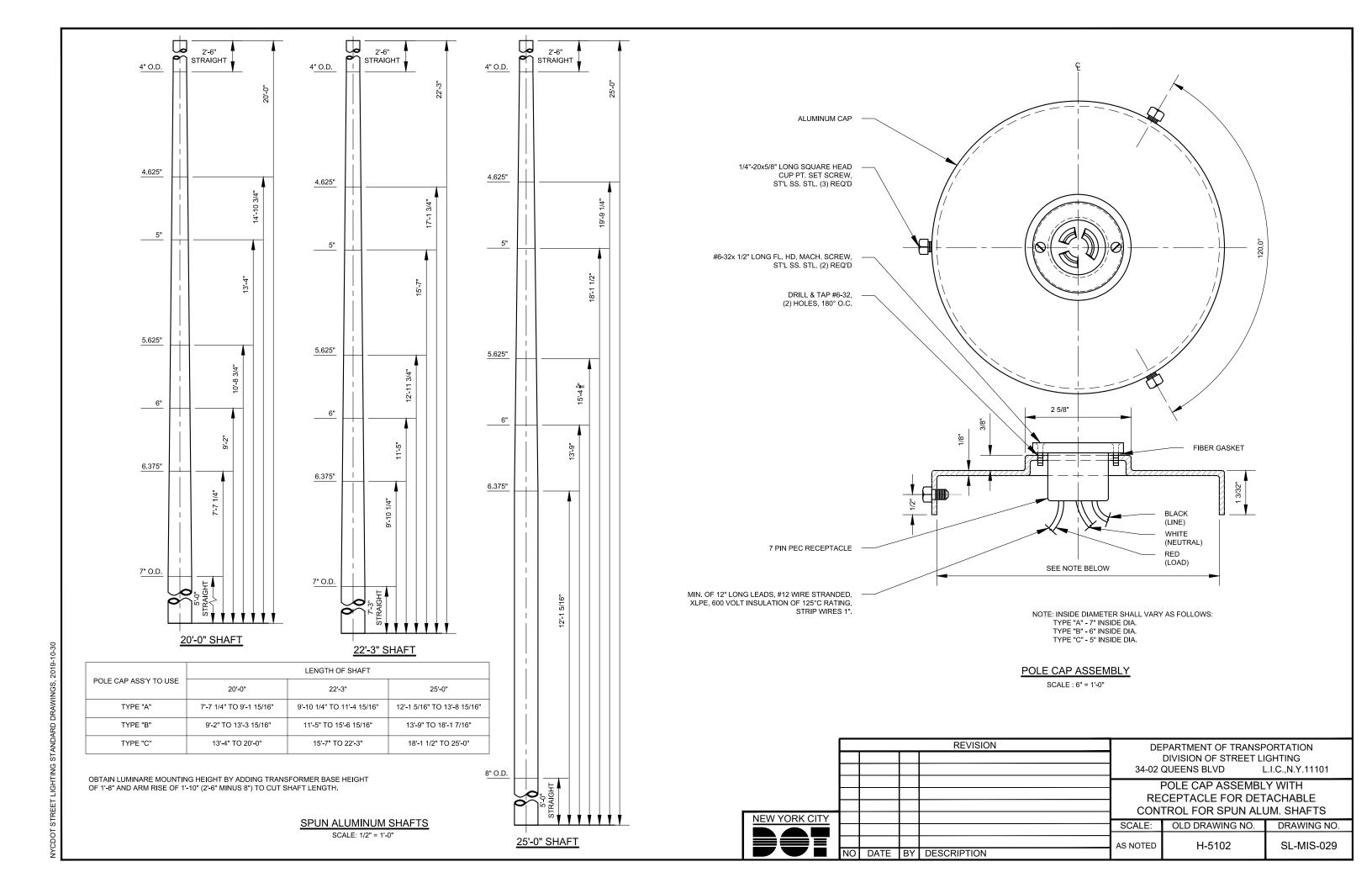
SCALE: OLD DRAWING NO. DRAWING NO.
AS NOTED D-3837 SL-MIS-027

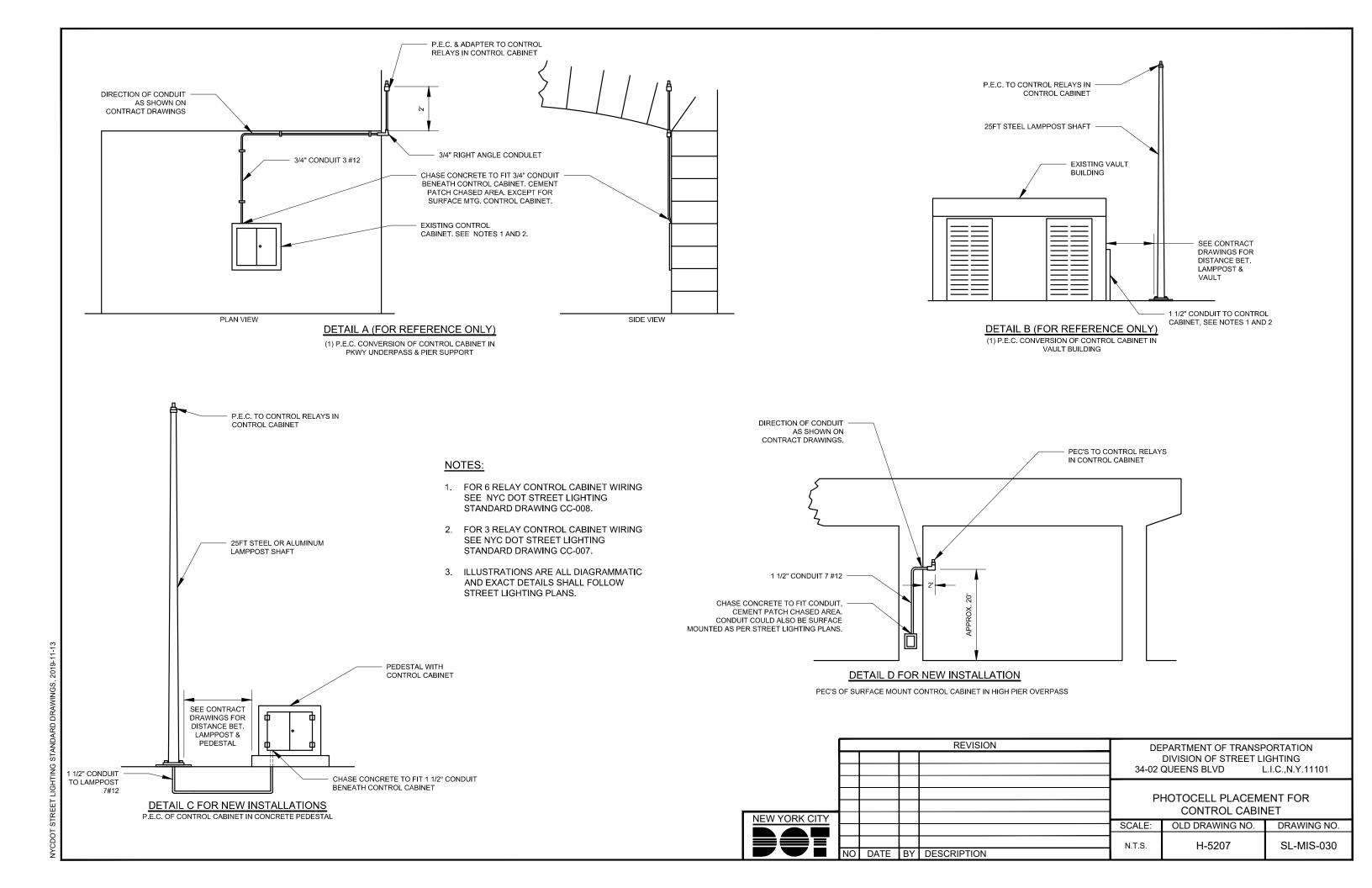
SERVICE TO LAMPPOST SCALE: N.T.S.

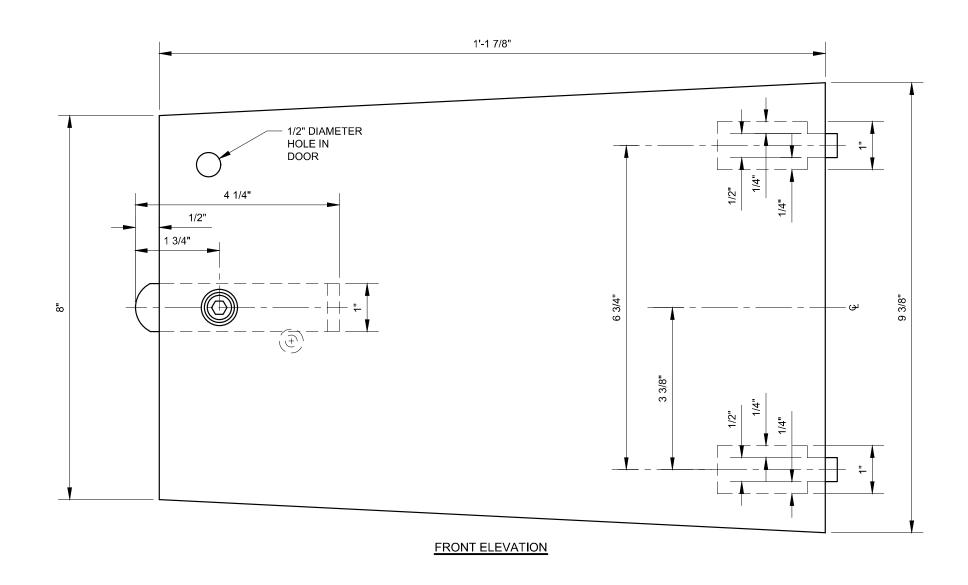
ATTACHMENT OF OVERHEAD

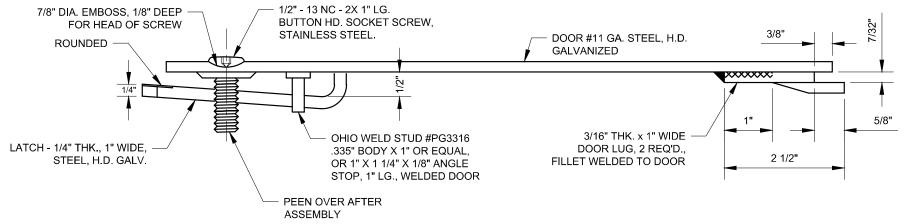
NEW YORK CITY











PLAN

NOTES:

 PROVIDE ONE ALLEN WRENCH FOR DOOR SCREW WITH EACH 100 DOORS ON ORDER.

REVISION

DEPARTMENT OF TRANSPORTATION
DIVISION OF STREET LIGHTING
34-02 QUEENS BLVD
L.I.C.,N.Y.11101

DOOR FOR STEEL
TRANSFORMER BASE

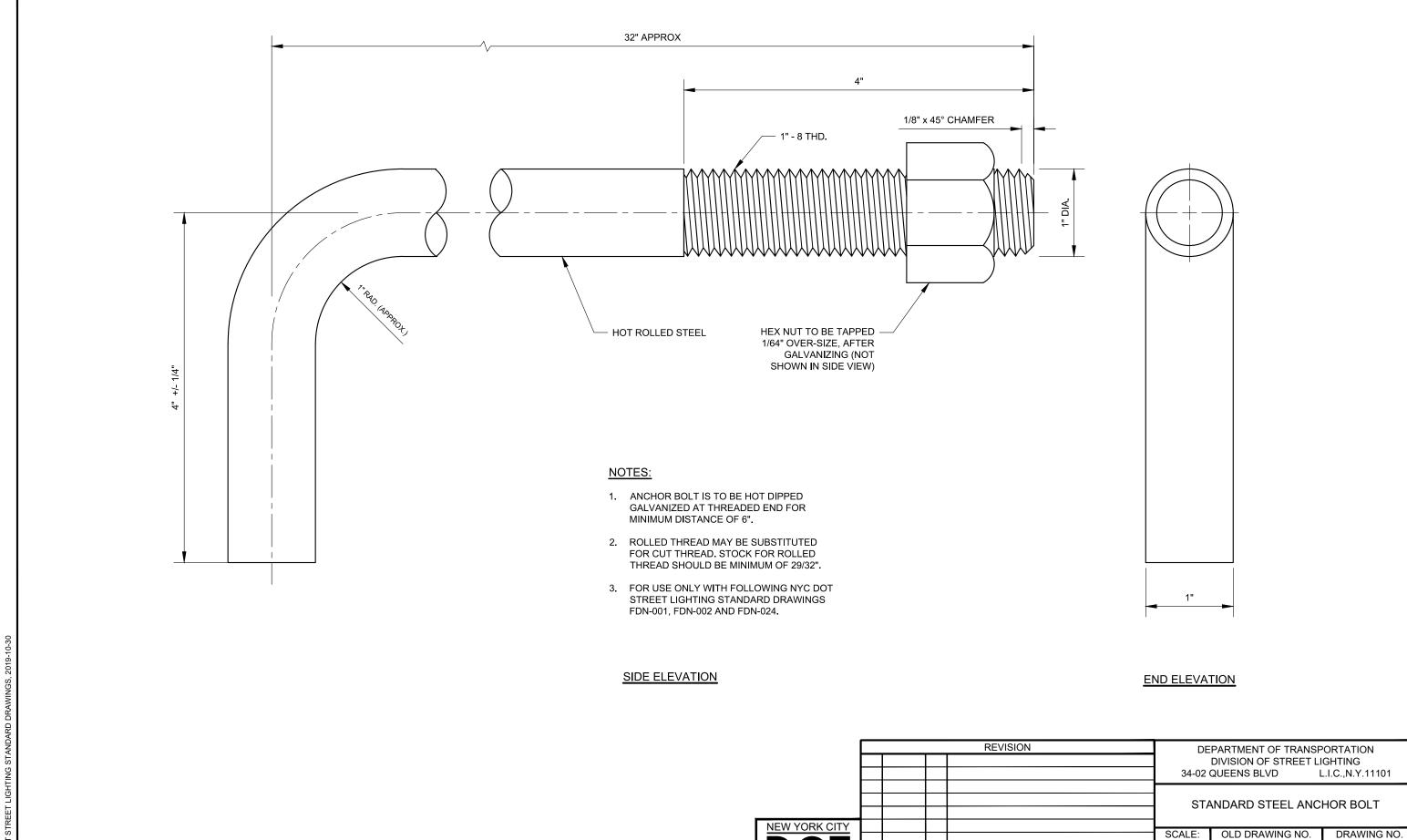
SCALE: OLD DRAWING NO.

DRAWING NO.

O'' = 1'-0"

J-5161

SL-MIS-031

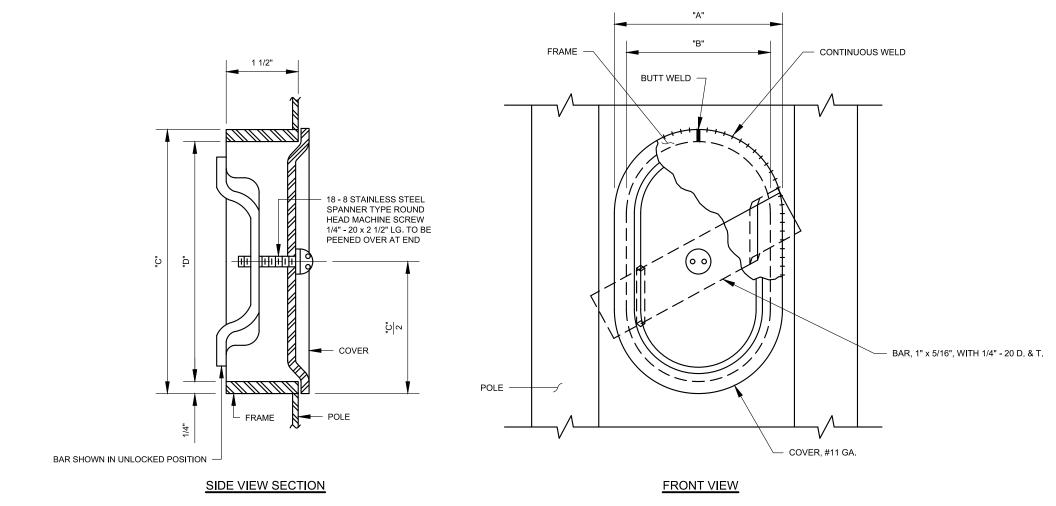


D-3762

SL-MIS-032

1'-0" = 1'-0"

NO DATE BY DESCRIPTION



HANDHOLE DETAILS

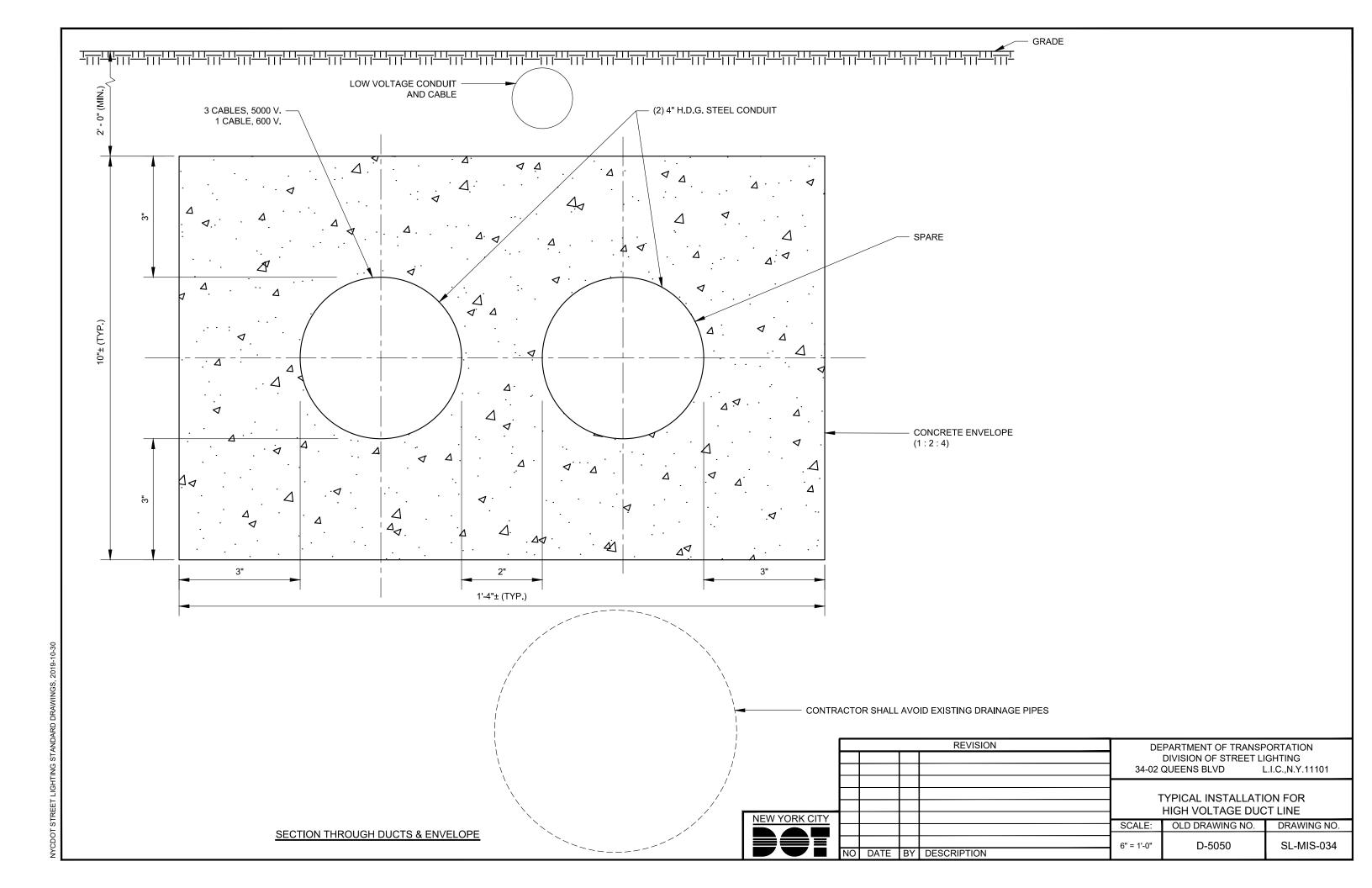
MATERIAL:

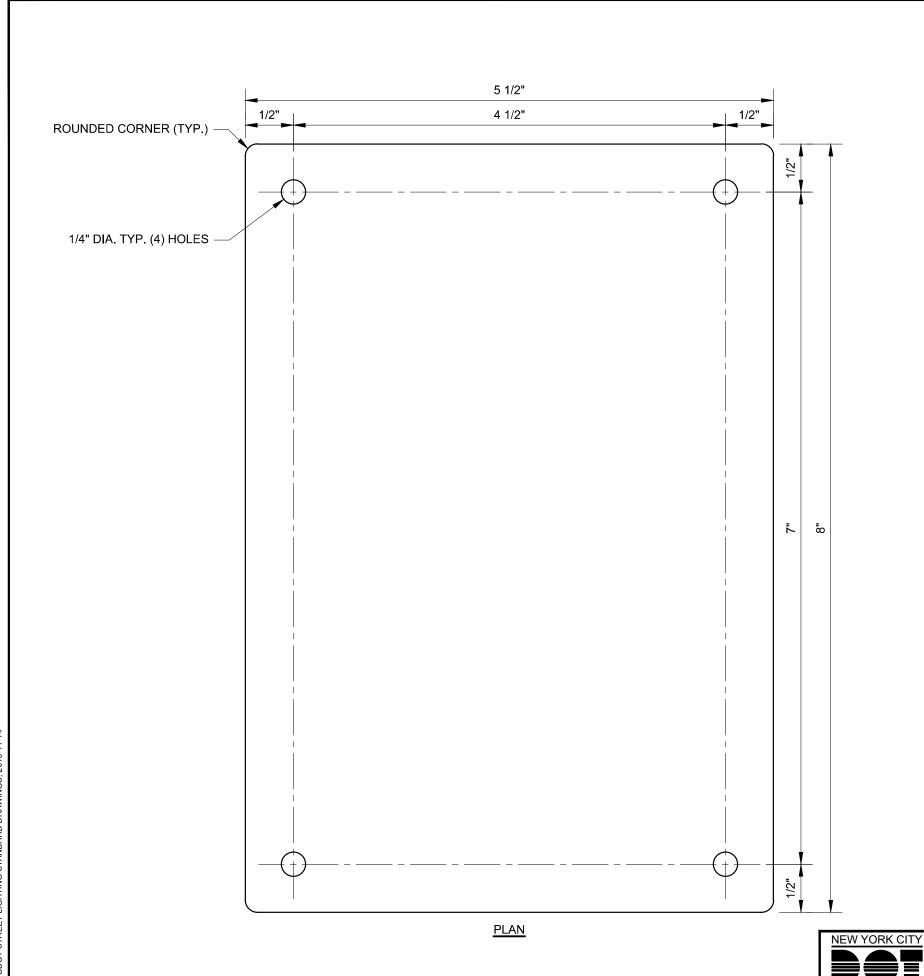
STEEL, HOT DIPPED GALVANIZED AFTER FABRICATION

TYPE LAMPPOST	CO/	/ER	OPENING			
	"A"	"C"	"B"	"D"		
HDG 20' FABRICATED STEEL SHAFT AS PER NYC DOT STREET LIGHTING STANDARD DRAWING LP-001	3 1/2"	5 1/2"	3"	5"		
HDG TYPE "WF" FABRICATED STEEL SHAFT AS PER NYC DOT STREET LIGHTING STANDARD DRAWING LP-021	3 1/2"	6 1/2"	3"	6"		
HDG 20' FABRICATED STEEL SHAFT AS PER NYC DOT STREET LIGHTING STANDARD DRAWING LP-001	4 1/2"	7"	4"	6 1/2"		

				REVISION	DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N,Y,11101			
							,	
					H	ANDHOLE COVERS F	FOR "FS",	
NEW YORK OITY					"WF" & CUT WRLD'S FR. POLES			
NEW YORK CITY					SCALE:	OLD DRAWING NO.	DRAWING NO.	
					N.T.S.	D-5186	SL-MIS-033	
	NO	DATE	BY	DESCRIPTION	14.1.5.	D-5100	OL-WIO-033	

NYCDOT STREET LIGHTING STANDARD DRAWINGS, 2019-10-30





INSTALLATION NOTE:

BEFORE ATTACHING COVER TO LAMPPOST, DRILL FOUR MATCHING PILOT HOLES IN POST FOR THE SELF-TAPPING SCREWS.

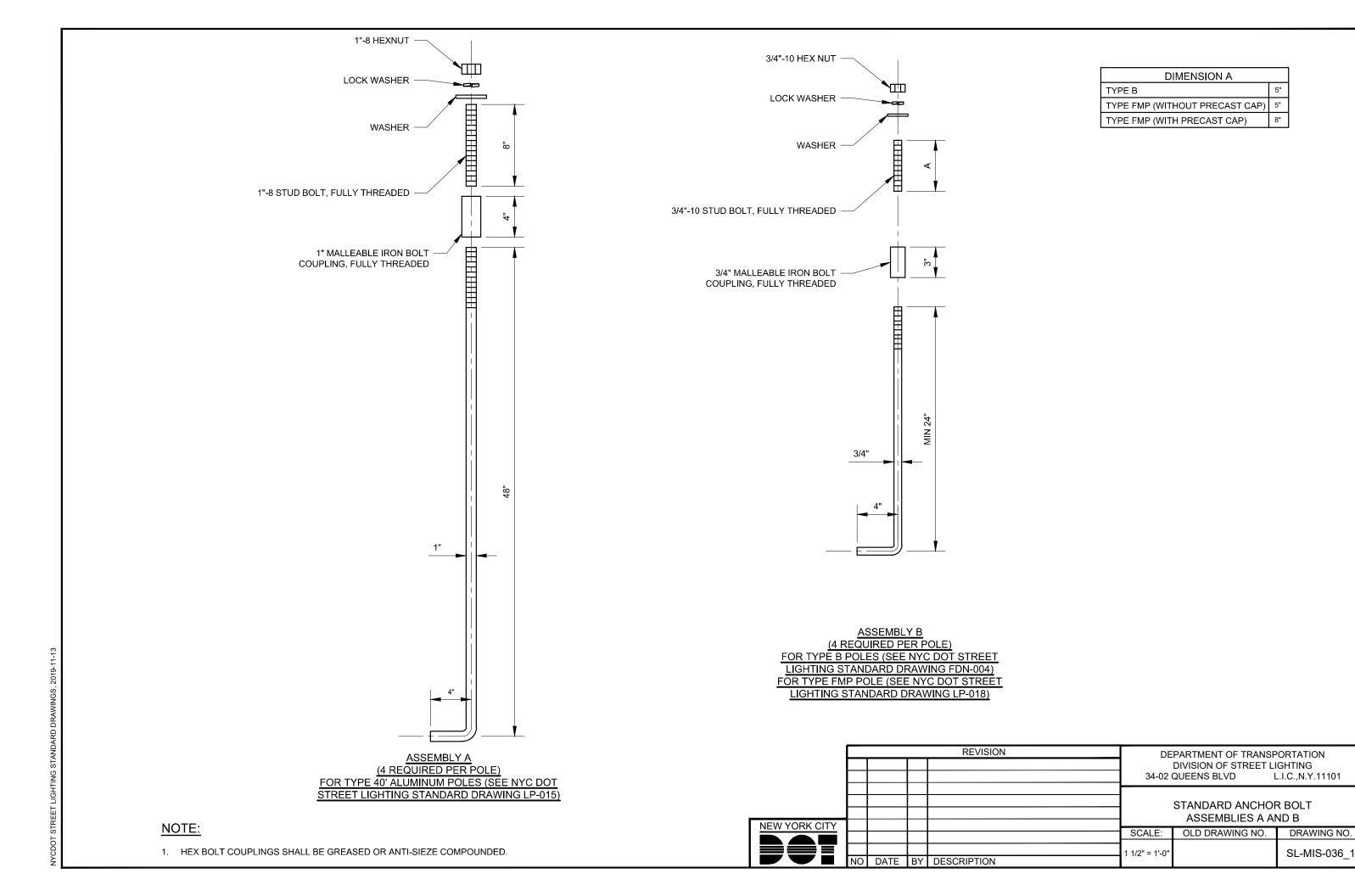
NOTES:

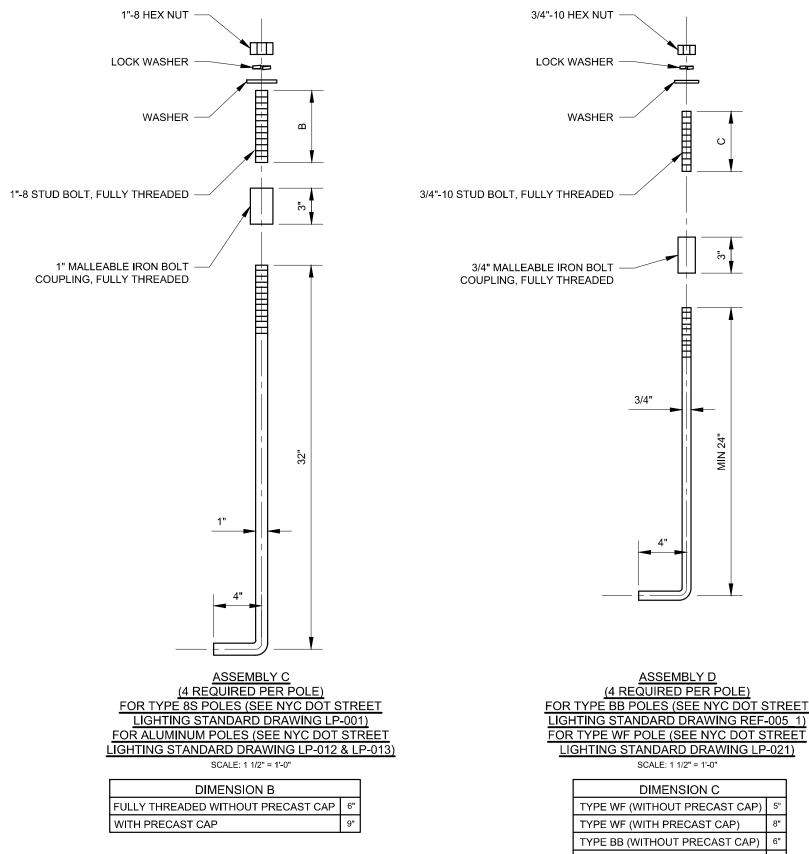
- 1. MATERIAL OF COVER SHALL BE HOT DIPPED GALVANIZED STEEL.
- 2. THICKNESS OF COVER SHALL BE #22 GA. (0.0299").

NO DATE BY DESCRIPTION

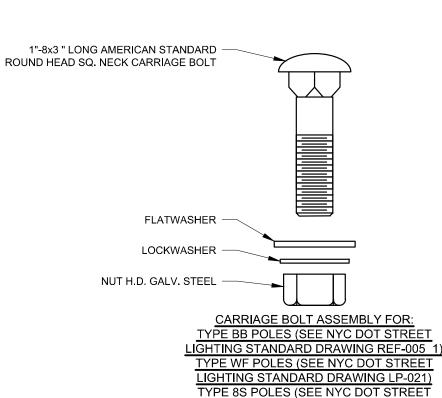
3. FURNISH (4) 1/4" DIA. ROUND HEAD STAINLESS STEEL SELF-TAPPING SCREWS WITH EACH COVER. SCREWS SHALL BE 1/2" LONG WITH PHILLIPS RECESS AND A.N.S.I. TYPE B THREAD FORM (BLUNT POINT, SPACED THREAD)

			REVISION	DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101				
					SHEET STEEL COVE			
		 		SCALE:	OLD DRAWING NO.	DRAWING NO.		
110	DATE	DV	DECORPTION	1'-0" = 1'-0"	D-5203	SL-MIS-035		



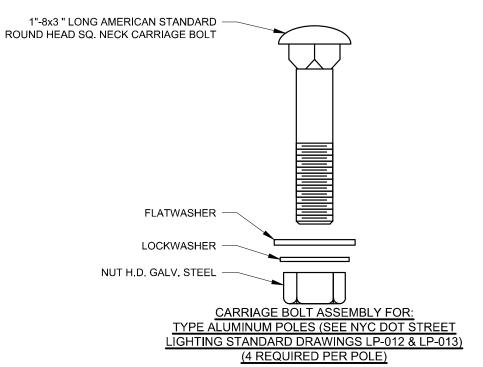


DIMENSION C	
TYPE WF (WITHOUT PRECAST CAP)	5"
TYPE WF (WITH PRECAST CAP)	8"
TYPE BB (WITHOUT PRECAST CAP)	6"
TYPE BB (WITH PRECAST CAP)	9"



(4 REQUIRED PER POLE) SCALE: 6" = 1'-0"

LIGHTING STANDARD DRAWING LP-001)



SCALE: 6" = 1'-0"

AS NOTED

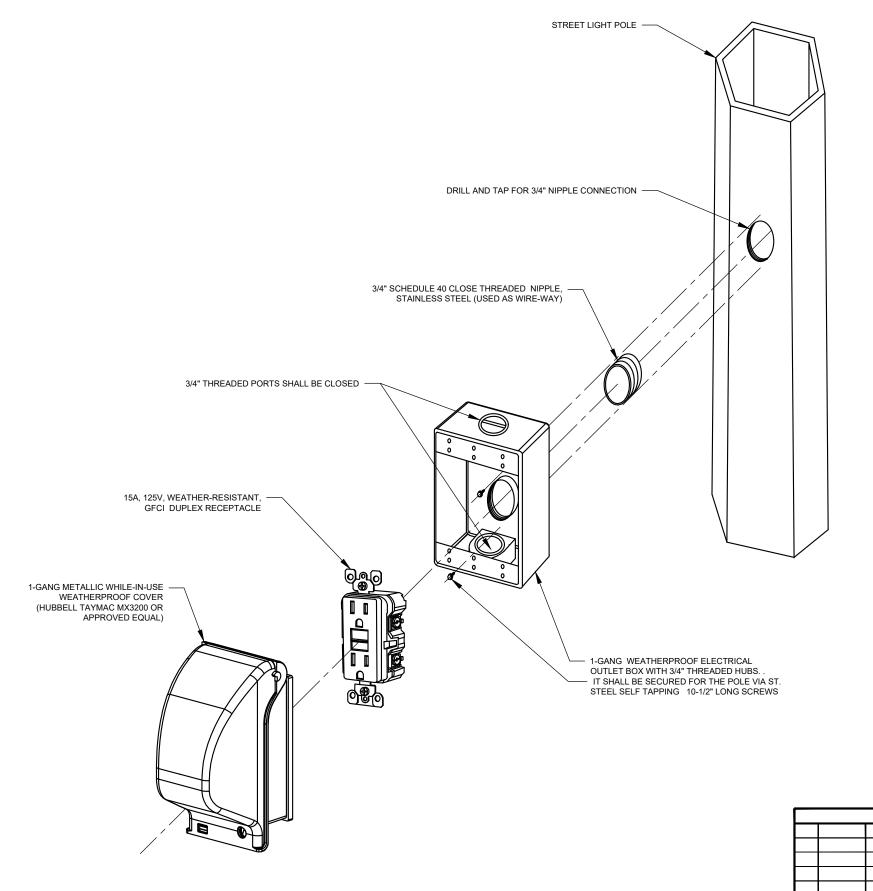
SL-MIS-036_2

	REVISION	DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING					
		34-02	QUEENS BLVD I	I.C.,N.Y.11101			
			STANDARD ANCHOR BOLT				
		ASSEMBLIES C AND D					
		SCALE:	OLD DRAWING NO.	DRAWING NO.			

BY DESCRIPTION

NOTE:

1. HEX BOLT COUPLINGS SHALL BE GREASED OR ANTI-SIEZE COMPOUNDED.



NOTES:

- ALL COMPONENTS OF THE ASSEMBLY SHALL COMPLY TO UL LISTED PARTS FOR WET LOCATIONS AND NEMA 3R RATED
- INDIVIDUAL COMPONENTS (BOX, GFCI RECEPTICAL AND COVER) CAN BE REPLACED WITH APPROVED EQUAL KITS OF A SAME PROPERTIES
- 3. CONDUCTORS SHALL BE 12 AWG RHW AS PER NYCDOT STREET LIGHTING SPECIFICATIONS 700
- IN-LINE FUSE WITH INSULATOR BOOT SHALL BE PLACED IN STREET LIGHT POLE BASE (REFERENCE TO DWG SL-MISC-015 2)
- 5. SPLICING SHALL BE UTILIZED VIA STANDARD 3M SPLICING KIT "85 SERIES", RAYCHEM GELPORT CONNECTORS OR APPROVED EQUAL

REVISION

DEPARTMENT OF TRANSPORTATION
DIVISION OF STREET LIGHTING
34-02 QUEENS BLVD
L.I.C.,N.Y.11101

NEW YORK CITY

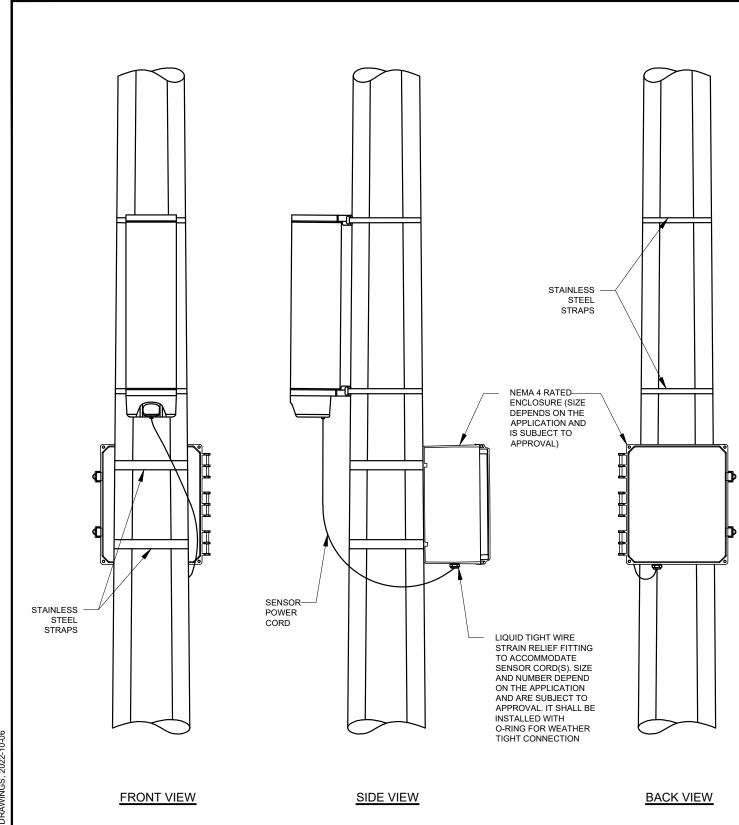
FESTOON ELECTRICAL OUTLET CONNECTION

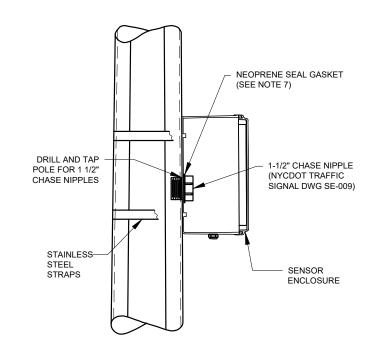
SCALE: OLD DRAWING NO. DRAWING NO.

10/2021 DR CREATED
DATE BY DESCRIPTION

SCALE: OLD DRAWING NO.

N.T.S.
SL-MISC-037





ENCLOSURE MOUNTING DETAIL

NOTES:

- ALL COMPONENTS OF THE ASSEMBLY SHALL COMPLY TO UL LISTED PARTS FOR WET LOCATIONS AND NEMA 4 RATED
- CONDUCTORS BETWEEN THE POLE BASE AND THE SENSOR ECLOSURE SHALL BE 12 AWG RHW AS PER NYCDOT STREET LIGHTING SPECIFICATIONS 700
- IN-LINE FUSE WITH INSULATOR BOOT SHALL BE PLACED IN STREET LIGHT POLE BASE (REFERENCE TO DWG SL-MISC-015_2)
- 4. SPLICING SHALL BE UTILIZED VIA STANDARD 3M SPLICING KIT "85 SERIES", RAYCHEM GELPORT CONNECTORS OR APPROVED EQUAL
- 5. ALL PIPE THREADING TO BE STRAIGHT MACHINE THREADING (11 1/2 THREADS PER INCH (CLASS 2 FIT))
- 6. ROUND BOTH INSIDE EDGES OF AL PIPE NIPPLES AND CHASE NIPPLE.
- 7. NEOPRENE SEAL GASKET SHALL BE 2 1/2"OD X 2"ID X 1/8" THICK.
- MOUNTING HEIGHT OF THE ENCLOSURE SHALL A MINIMUM OF 15 FEET FROM THE GROUND TO THE BOTTOM OF THE ENCLOSURE, UNLESS OTHERWISE APPROVED.
- 9. SENSORS/DEVICES ARE SUBJECT TO NYCDOT APPROVAL.
- 10. ALL EQUIPMENT REMOVED FROM NYCDOT STREET LIGHTING POLES THAT HAVE BEEN DRILLED AND/OR TAPPED MUST BE RESEALED. IN NO CASE SHOULD A POLE PENETRATION USED IN THE APPLICATION OF APPROVED AUXILIARY EQUIPMENT REMAIN OPEN TO MOISTURE INFILTRATION, INSECT AND/OR BIRD NESTS. THE PROCESS FOR SEALING ANY POLE PENETRATIONS SHALL INCLUDE, RUBBER/PLASTIC KNOCKOUT SEALS, EITHER THREADED OR UNTHREADED PLUGS, AND/OR NON SHRINKABLE SEALANT. ADDITIONALLY, ALL FUSE MECHANISMS AND OR RELATED WIRING DESIGNED FOR THIS USE SHALL BE REMOVED.

				REVISION	DEPARTMENT OF TRANSPORTATION				
					DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101				
						SENSOR INSTALLA	R INSTALLATION		
NEW YORK CITY					00415	01.0.00.00.00.00	DD 414/11/0 11/0		
	1	10/2022	AM	REMOVAL NOTES	SCALE:	OLD DRAWING NO.	DRAWING NO.		
	0	05/2022	DR	CREATED	NTS		SL-MISC-038		
	NO	DATE	BY	DESCRIPTION	1110		OL WIGO 000		

JOI STREET LIGHTING STANDARD DRAWINGS, 2022-10-06

GALLERY DRAWINGS



TAPPERED OCTAGONAL LAMPPOST (8S)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LP-001



LED COBRA HEAD (SPEC 466)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LUM-001



40' ALUMINUM SEE NYC DOT STREET LIGHTING STANDARD DRAWING LP-015



				REVISION	DE	DEPARTMENT OF TRANSPORTATION				
					DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101					
01 02 QSZEMO SZVS										
					LAN	IPPOST - LUMINAIRE	GALLERY			
W YORK CITY										
					SCALE:	OLD DRAWING NO.	DRAWING NO.			
					N.T.S.		PIC-001			
	NO	DATE	BY	DESCRIPTION			1			



TBTA LAMPPOST
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LP-033



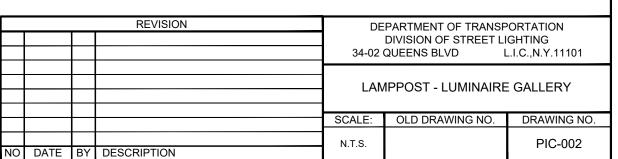
TEAR DROP LUMINAIRE (SPEC 472)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LUM-002



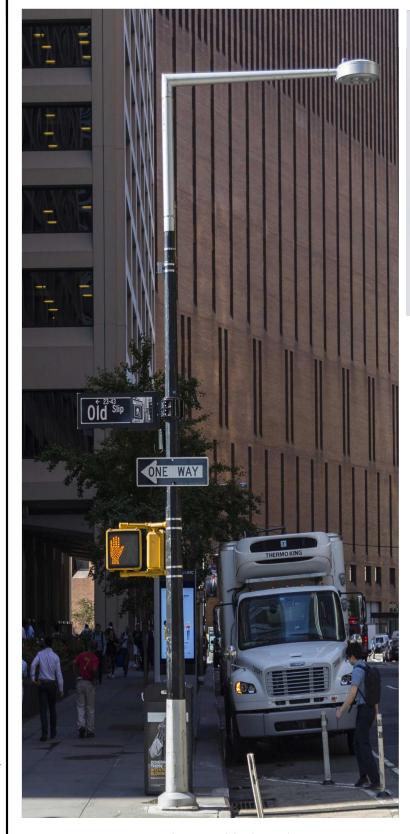


LED COBRA HEAD LUMINAIRE (SPEC 466)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LUM-001

30' STEEL DAVIT SEE NYC DOT STREET LIGHTING STANDARD DRAWING LP-006







TYPE S LAMPPOST (ADNY)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWINGS LP-014 1 AND LP-014 2



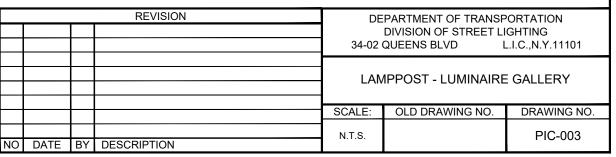
TYPE S LUMINAIRE (SPEC 471)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWINGS LP-014 3 AND LP-014 4





CITY LIGHT LUMINAIRE
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LP-023 2

CITY LIGHT LAMPPOST
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LP-023_1







BISHOP CROOK LAMPPOST
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LP-026_1



TEAR DROP LUMINAIRE (SPEC 472)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LUM-002





TEAR DROP LUMINAIRE (SPEC 472)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LUM-002

TYPE F LAMPPOST SEE NYC DOT STREET LIGHTING STANDARD DRAWING LP-030 1

			REVISION	DEPARTMENT OF TRANSPORTATION					
				DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101					
					,				
				LAM	IPPOST - LUMINAIRE	GALLERY			
				SCALE:	OLD DRAWING NO.	DRAWING NO.			
				N.T.S.		PIC-004			
ОИ	DATE	BY	DESCRIPTION						

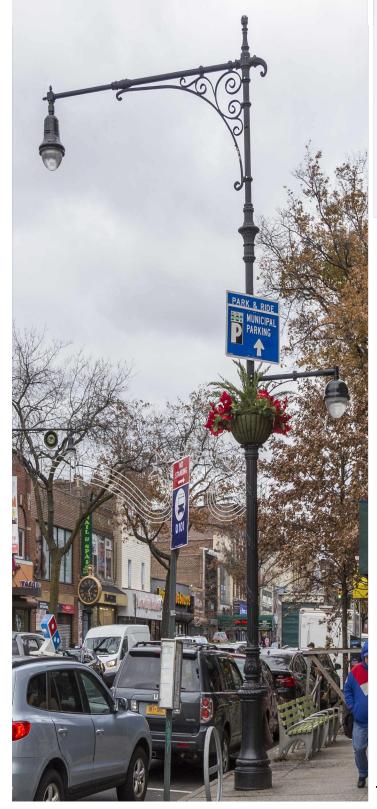




FLATBUSH AVENUE LAMPPOST SEE NYC DOT STREET LIGHTING STANDARD DRAWING LP-031 1



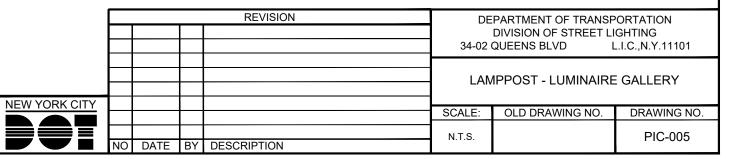
TEAR DROP LUMINAIRE (SPEC 472)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LUM-002

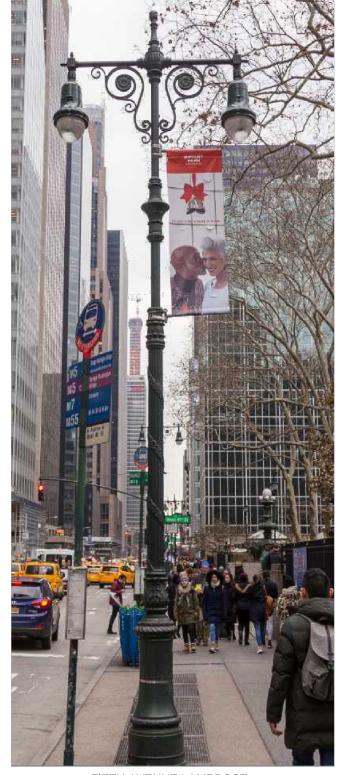




TEAR DROP LUMINAIRE (SPEC 472)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LUM-002

TYPE M LAMPPOST
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LP-024 1





FIFTH AVENUE LAMPPOST
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LP-035



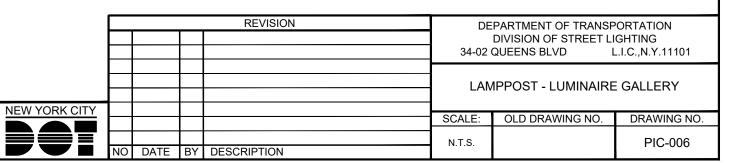
TEAR DROP LUMINAIRE (SPEC 472)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LUM-002

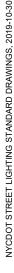




TEAR DROP LUMINAIRE (SPEC 472)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LUM-002

CITY HALL LAMPPOST
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LP-036



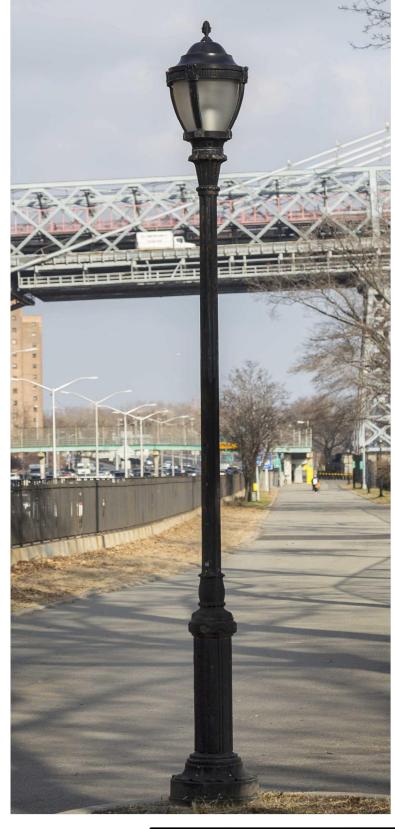




TYPE B LAMPPOST
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LP-022 1



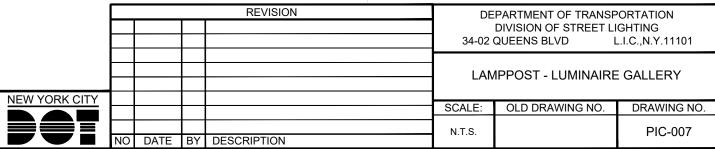
CENTRAL PARK LUMINAIRE (SPEC 465)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWINGS LUM-005 1 AND LUM-005 2





RIVERSIDE LUMINAIRE (SPEC 465)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LUM-003

TYPE B LAMPPOST SEE NYC DOT STREET LIGHTING STANDARD DRAWING LP-022 1



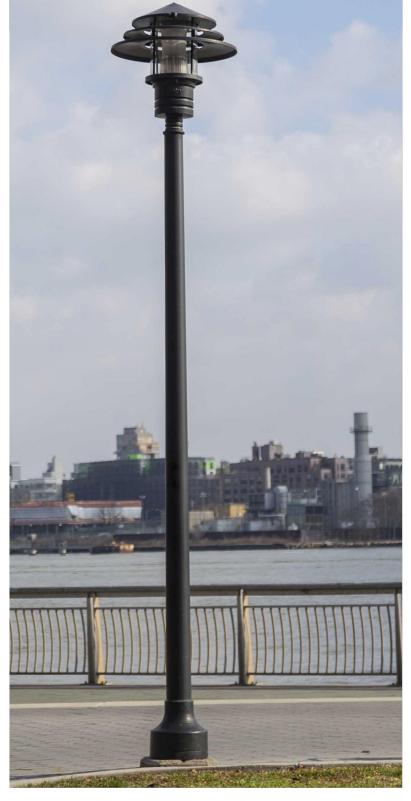








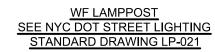
KING LUMINAIRE (SPEC 465)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LUM-006



FMP LUMINAIRE (SPEC 474)
SEE NYC DOT STREET LIGHTING
STANDARD DRAWING LP-018

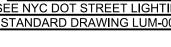
EMP LAMPPOST SEE NYC DOT STREET LIGHTING STANDARD DRAWING LP-018

REVISION DEPARTMENT OF TRANSPORTATION
DIVISION OF STREET LIGHTING
34-02 QUEENS BLVD L.I.C.,N.Y.11101 LAMPPOST - LUMINAIRE GALLERY OLD DRAWING NO. DRAWING NO. SCALE: PIC-008 N.T.S. NO DATE BY DESCRIPTION

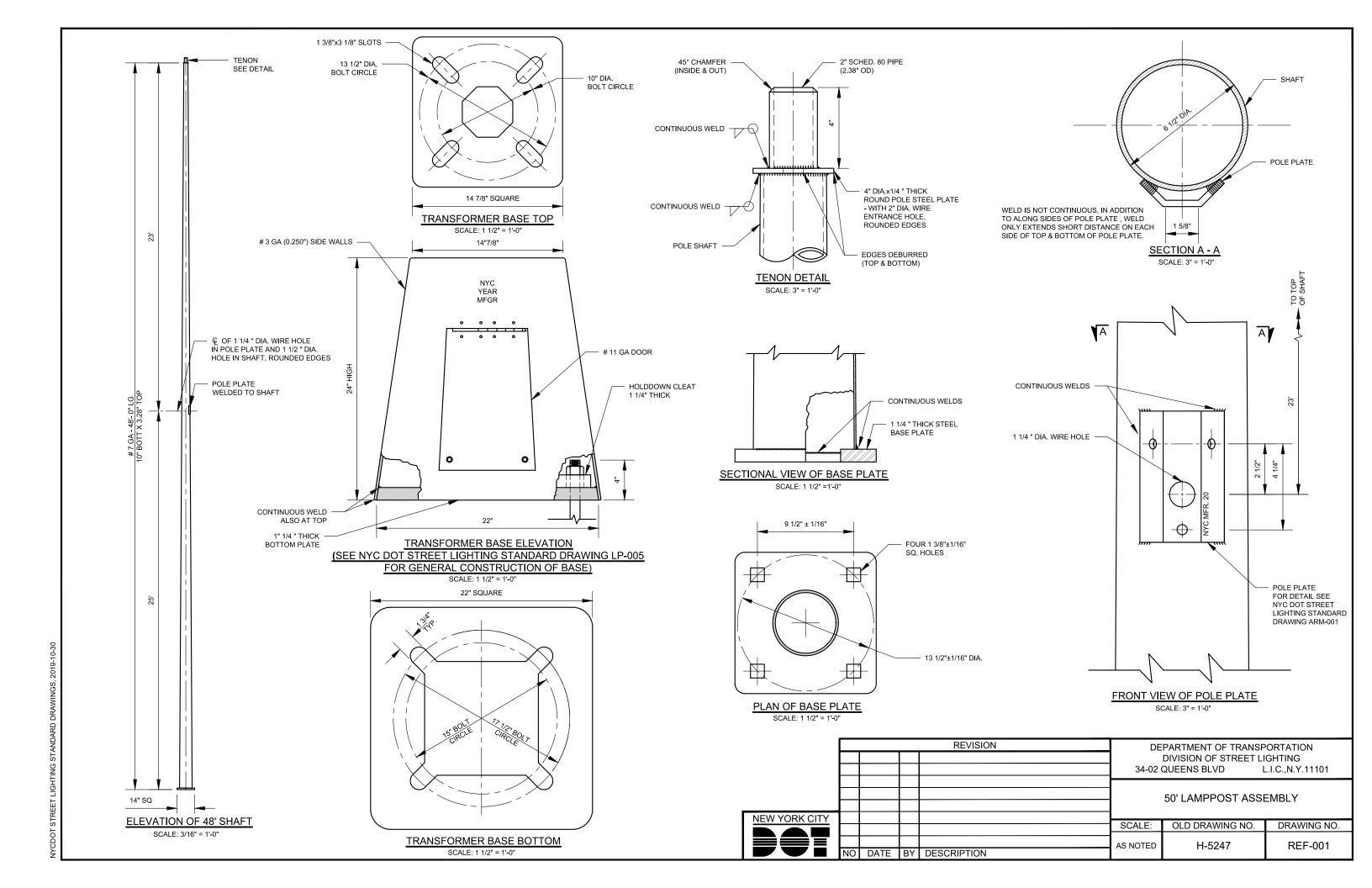


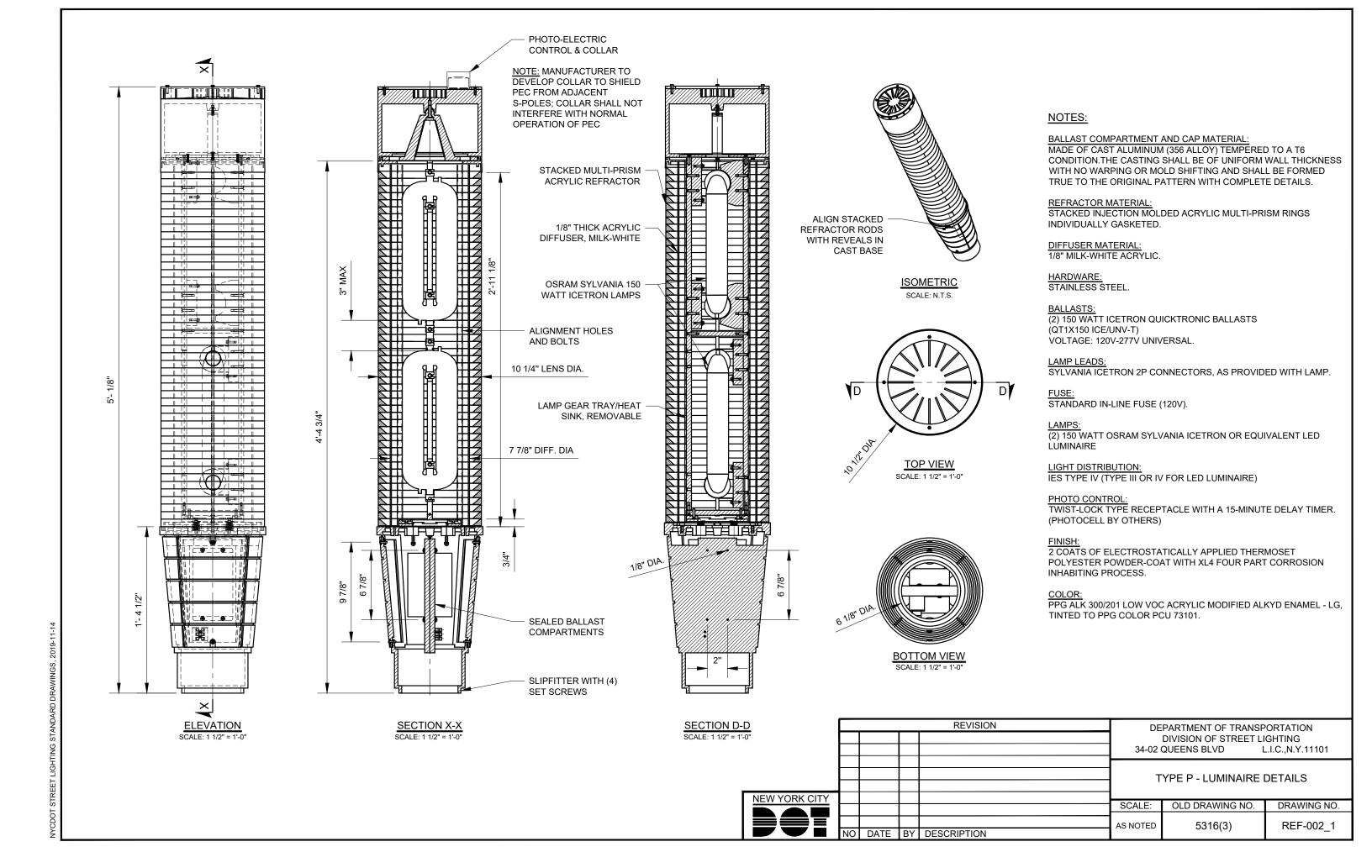


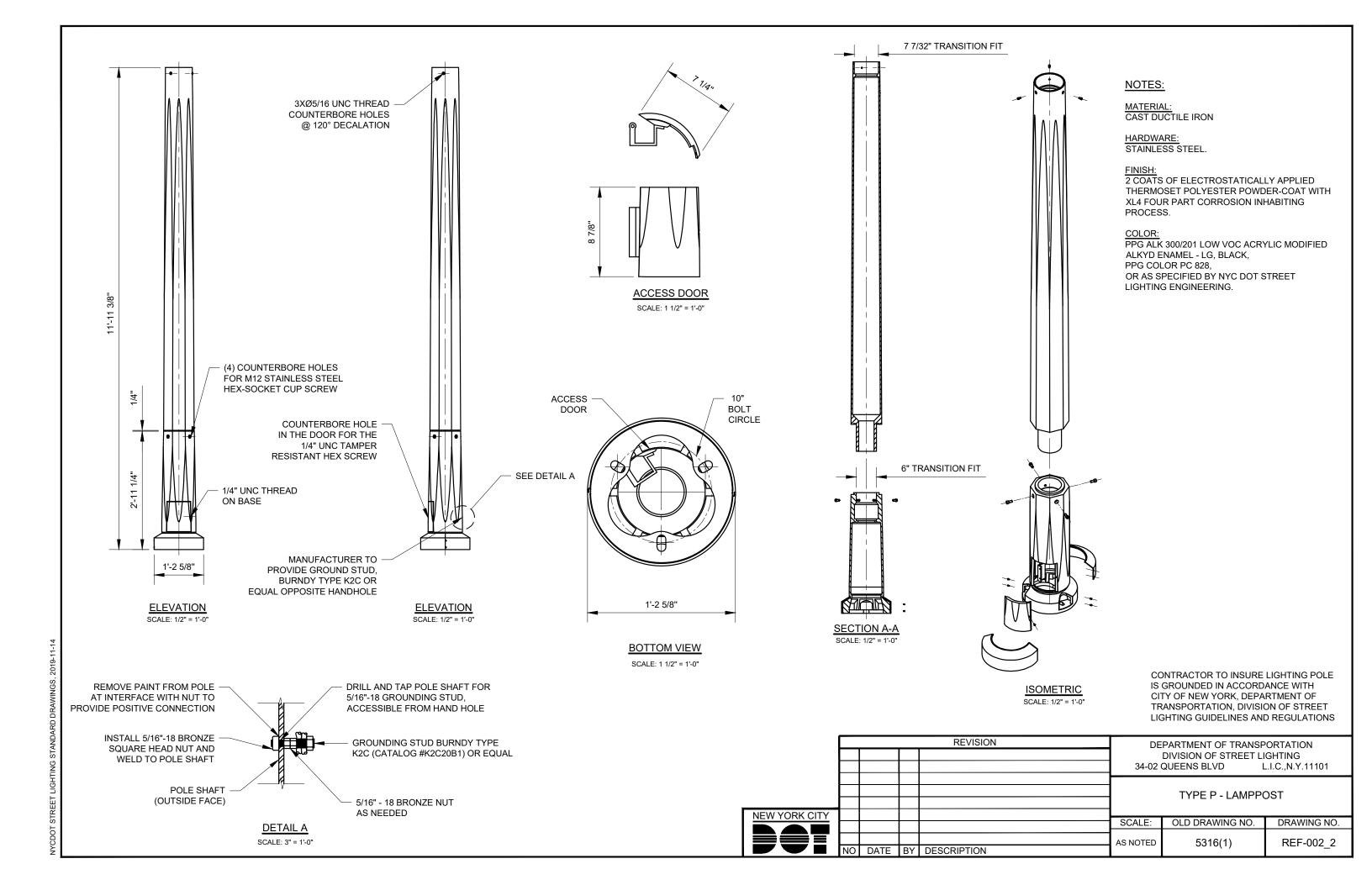


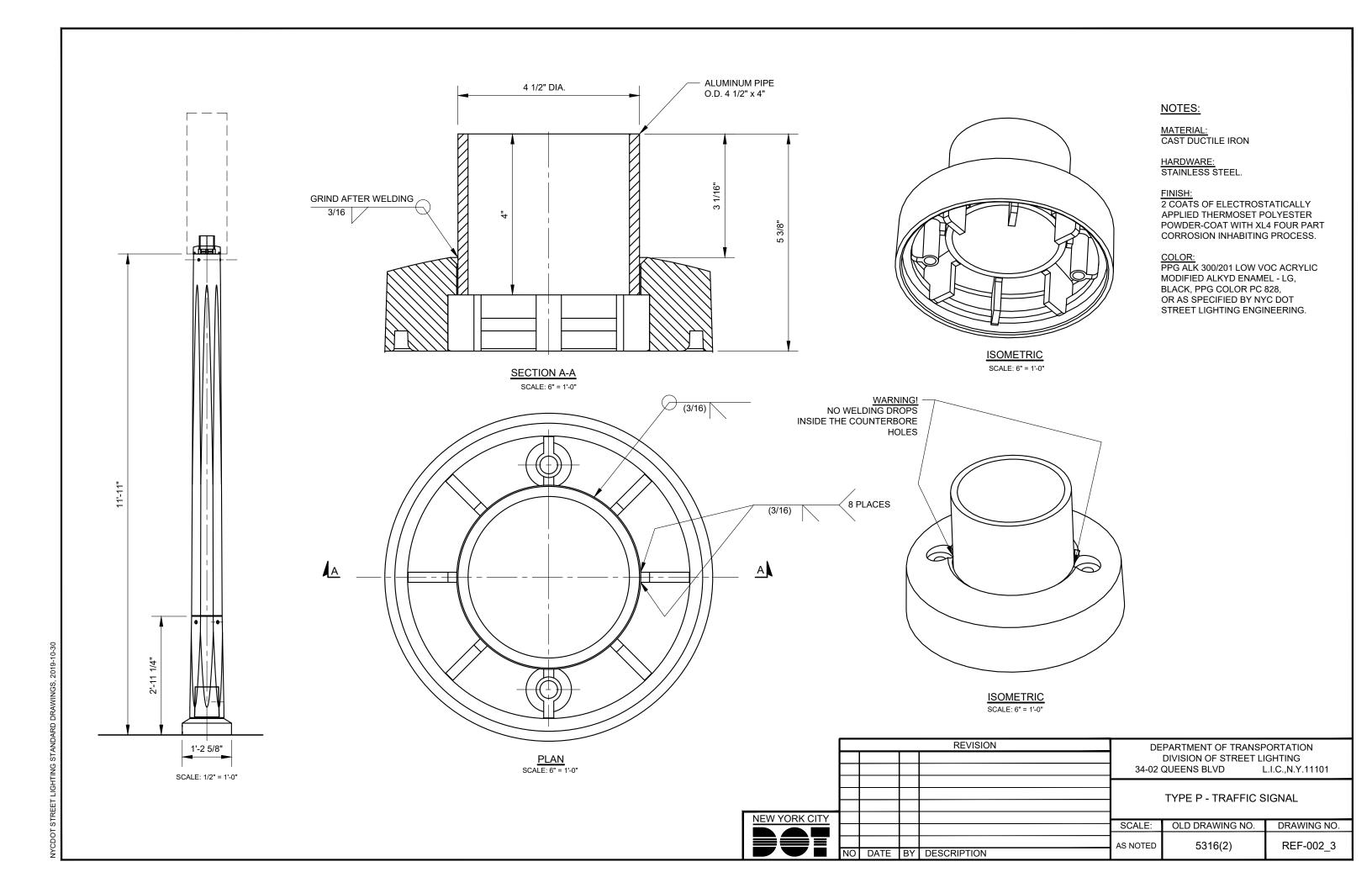


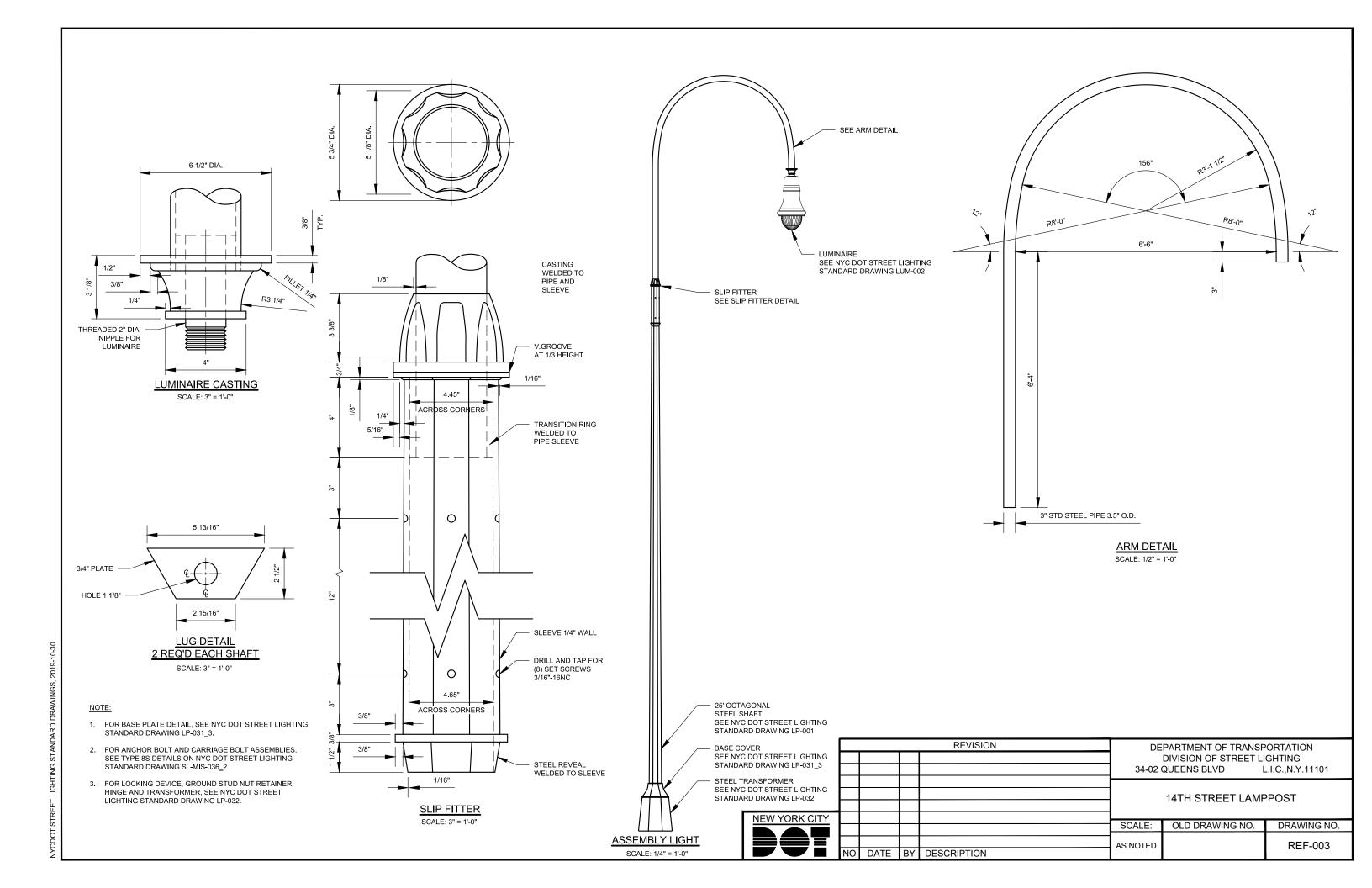
REFERENCE DRAWINGS

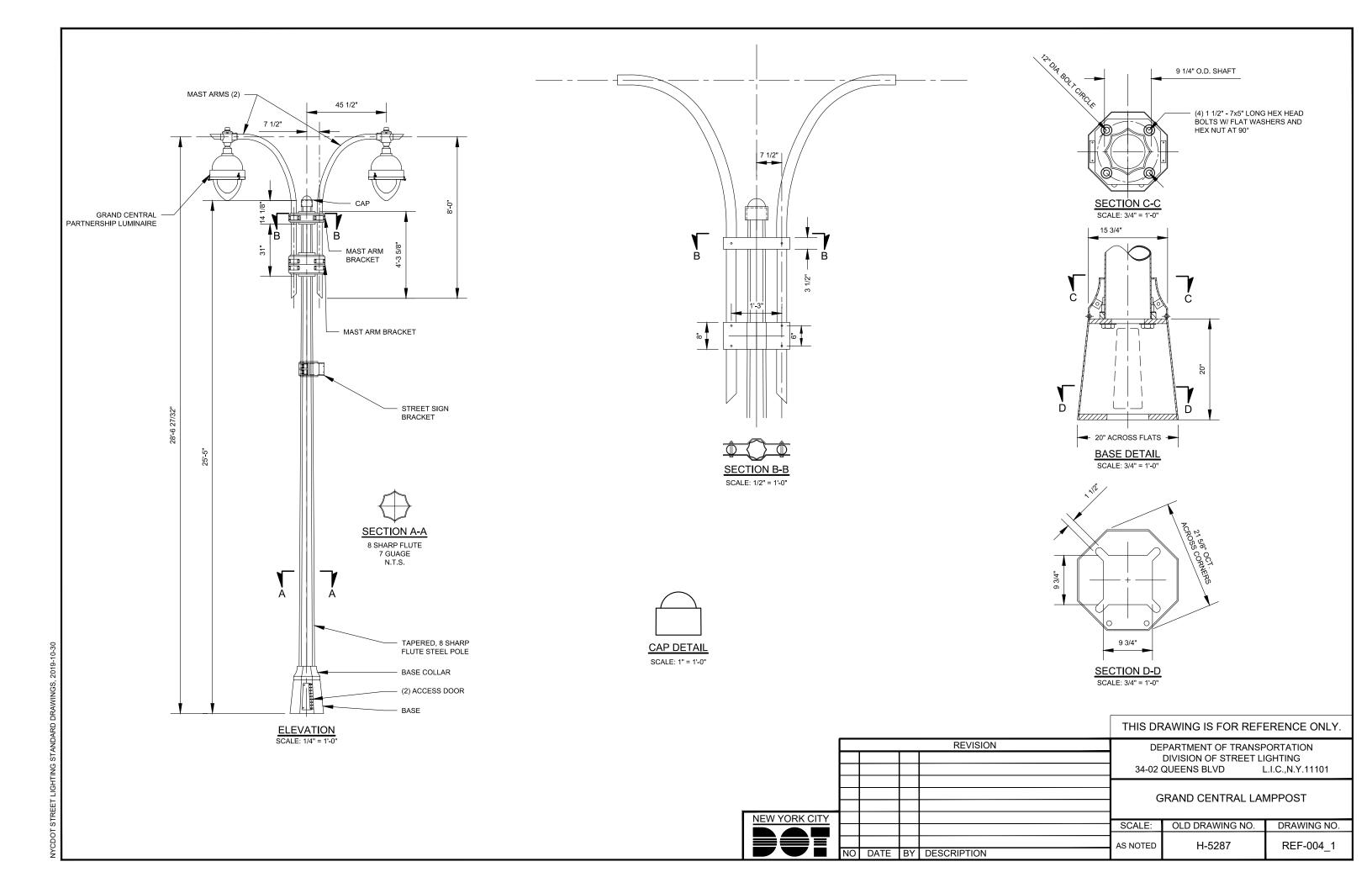


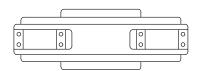


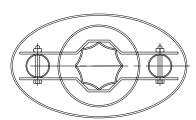






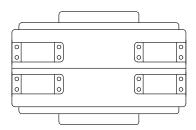


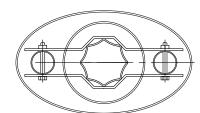




UPPER MAST ARM BRACKET

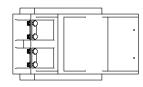
SCALE: 1" = 1'-0"

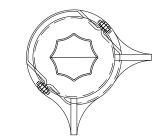




LOWER MAST ARM BRACKET

SCALE: 1" = 1'-0"





STREET SIGN BRACKET

SCALE: 1" = 1'-0"

OPTICAL:

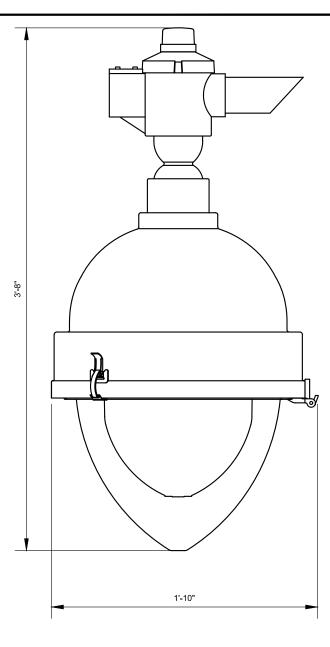
TEARDROP LED MODULE WITH DIFFERENT REFRACTORS AND REFLECTOR CAN BE PLACED TO CREATE DIFFERENT LIGHT DISTRIBUTIONS.

FINISH:

ALL COMPONENTS SHALL BE FINISHED WITH HIGH GLOSS SUPER DURABLE POLYESTER POWDER COAT PAINT TO BE APPLIED UTILIZING A MULTI-STAGE PROCESS THAT INCLUDES PHOSPHATE PRETREATMENT, ELECTROSTATIC POWDER APPLICATION, AND CONVECTION CURING.

LED

LUMINAIRE WATTAGE: 105W MAX

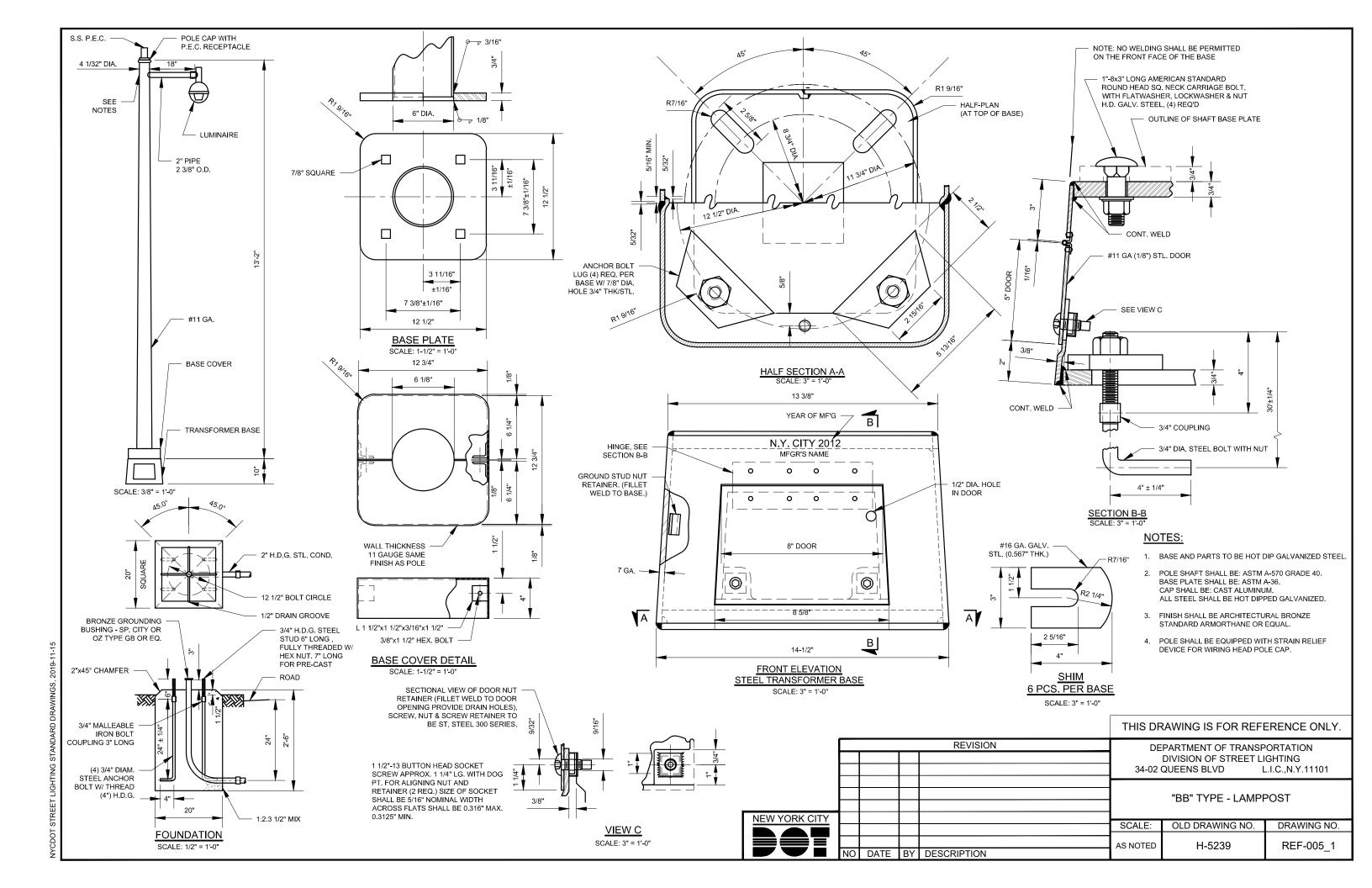


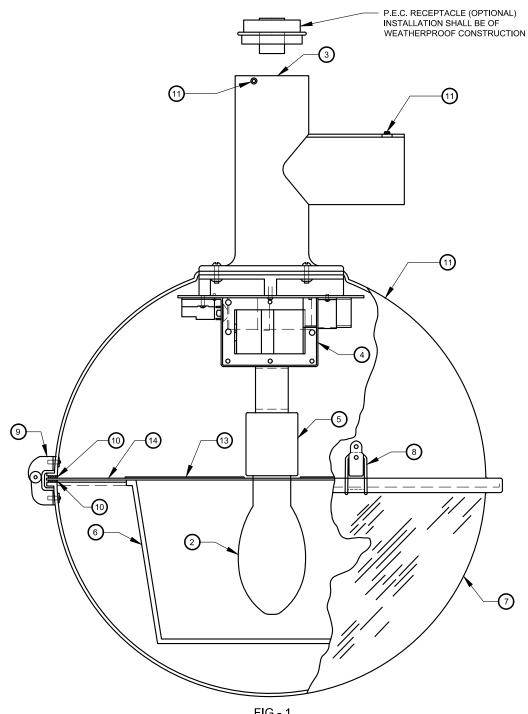
GRAND CENTRAL PARTNERSHIP LUMINAIRE SCALE: 1 1/2" = 1'-0"

NOTE:

1. LUMINAIRE SHALL CONFORM TO STREET LIGHTING SPECIFICATION NO. 475.

					THIS DRAWING IS FOR REFERENCE ONLY.			
				REVISION		PARTMENT OF TRANSP DIVISION OF STREET LI QUEENS BLVD L		
NEW YORK CITY					G	GRAND CENTRAL LAI	MPPOST	
NEW YORK CITY			1		SCALE:	OLD DRAWING NO.	DRAWING NO.	
	NO	DATE	BY	DESCRIPTION	AS NOTED	H-5287	REF-004_2	





REFER TO LATEST D.O.T SPECIFICATION NO. 445 "SPHERICAL LUMINAIRE TYPE V" FOR ADDITIONAL DATA AND REQUIREMENTS

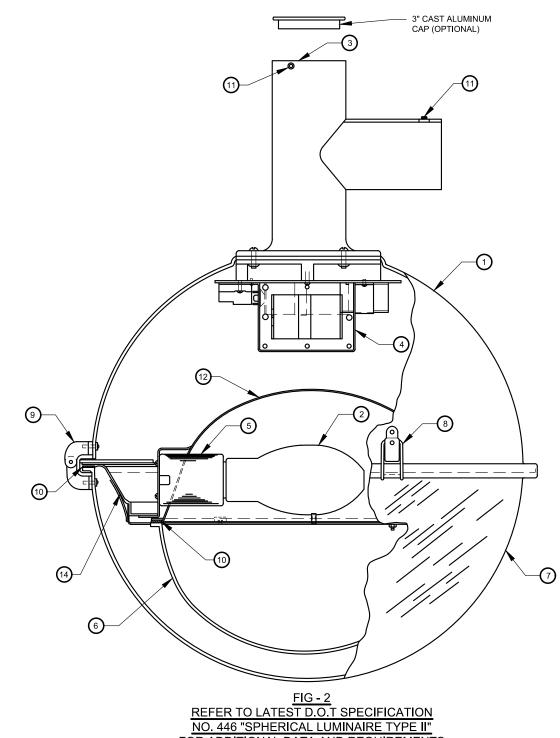
NOTES:

- 1. SPUN ALUMINUM HOUSING, 18" DIA., 0.062" MIN. GAUGE
- 2. LAMP, 150 WATT 100 VOLTS H.P.S.
- 3. CAST ALUMINUM SLIPFITTER
- 4. BALLAST ASSEMBLY AND TERMINAL BLOCK
- 5. LAMP SOCKET
- 6. POLYCARBONATE REFRACTOR, TYPE V OR TYPE II
- 7. POLYCARBONATE OUTER LENS (CLEAR)

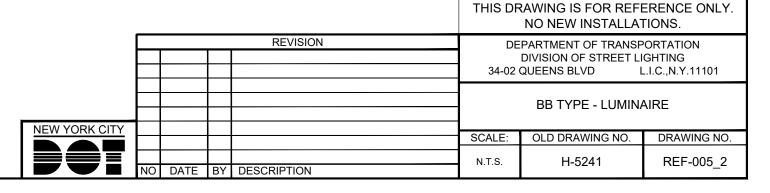
- 8. LATCH (2) REQUIRED
- 9. OUTER LENS HINGE
- 10. SEALING GASKET
- 11. 3/8" 16 SET SCREWS
- 12. ALUMINUM REFLECTOR

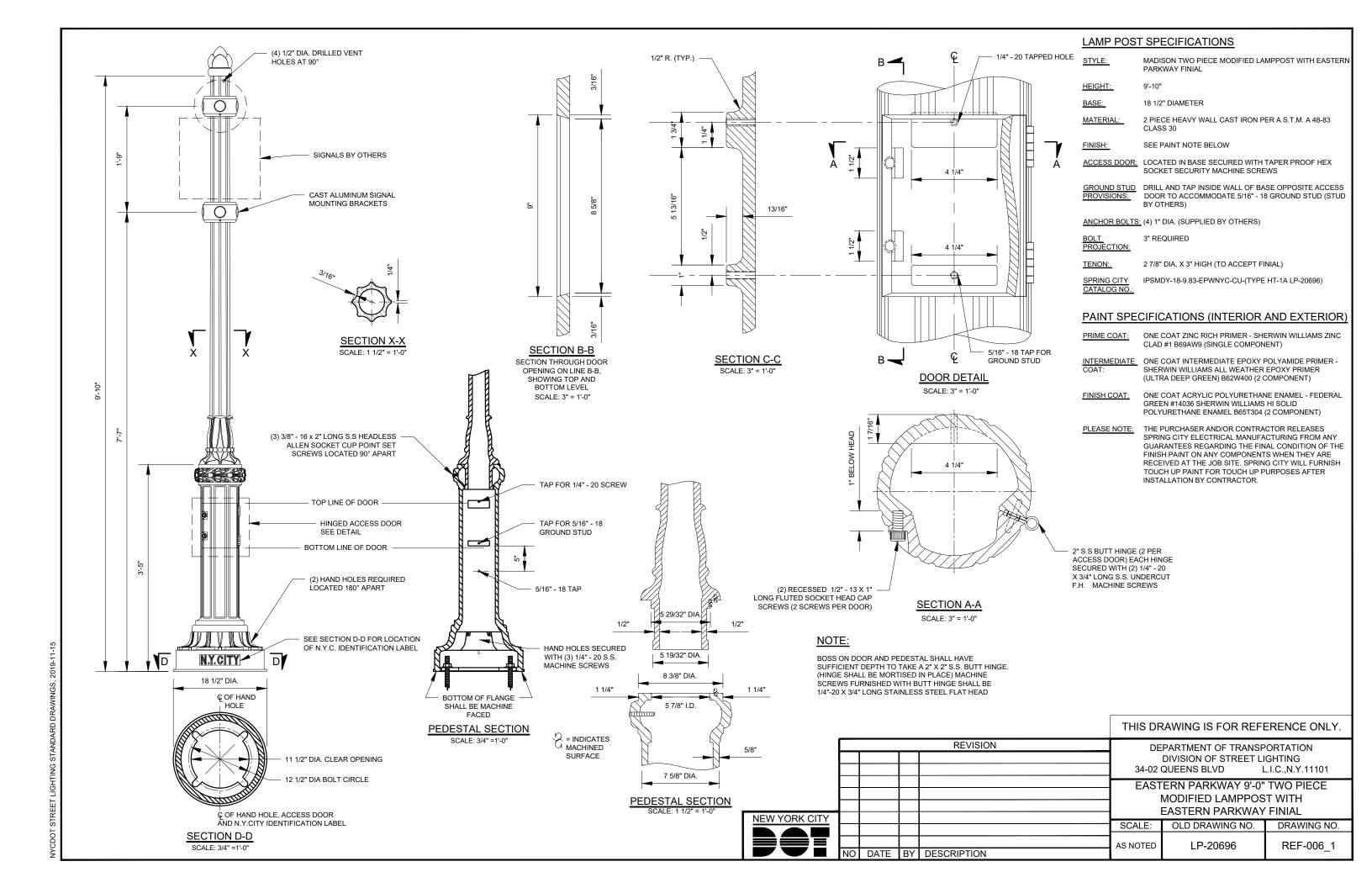
13. REFLECTOR - HEAT BAFFLE PLATE

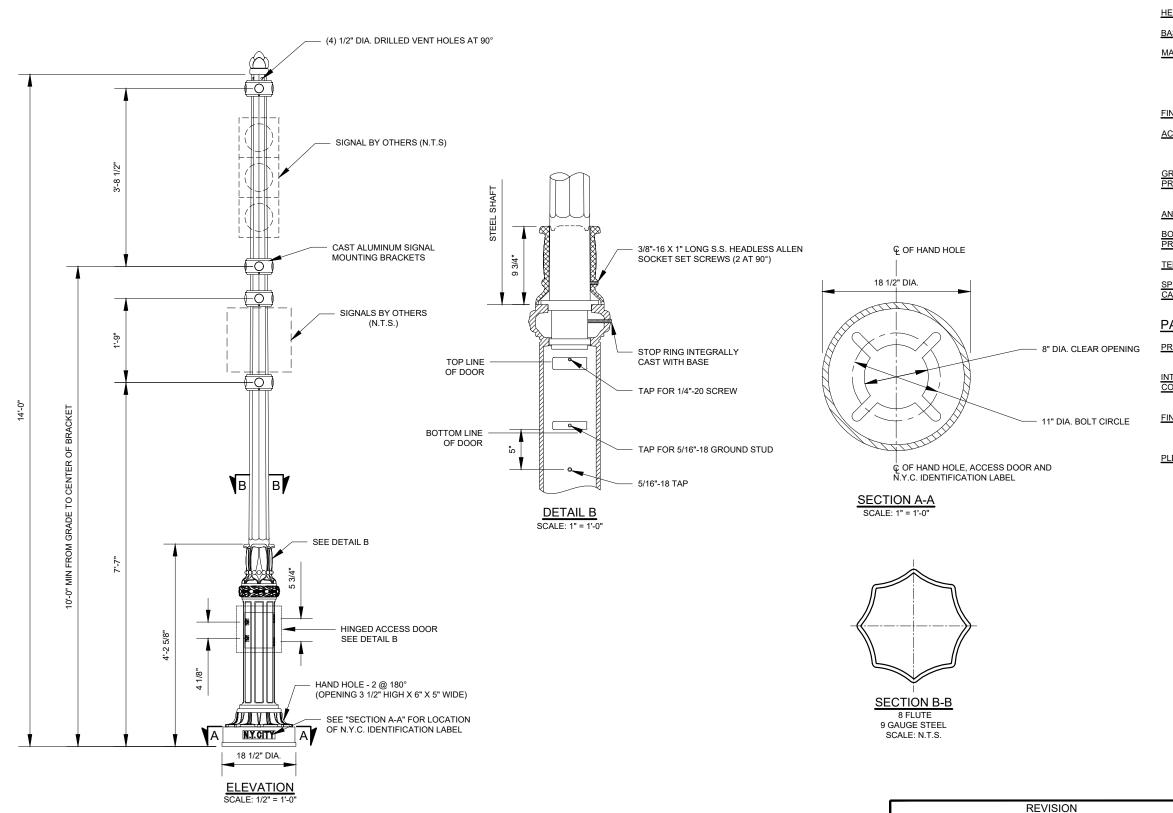
14. SUPPORT RING



FOR ADDITIONAL DATA AND REQUIREMENTS







NEW YORK CITY

BY DESCRIPTION

DATE

LAMP POST SPECIFICATIONS

MADISON STEEL WITH EASTERN PARKWAY MODIFIED FINIAL STYLE:

HEIGHT: 14'-0"

18 1/2" DIAMETER BASE:

MATERIAL:

9 GAUGE, 8 FLUTE STEEL MONOTUBE CONSTRUCTION BASE: 1 PIECE, HEAVY WALL CAST DUCTILE IRON PER A.S.T.M.

A536-84 GRADE 65-45-12

FINISH: SEE PAINT NOTE BELOW

ACCESS DOOR: LOCATED IN BASE TO COINCIDE WITH HAND HOLE IN STEEL

SHAFT SECURED WITH TAMPER PROOF HEX SOCKET SECURITY MACHINE SCREWS

GROUND STUD PROVISIONS:

DRILL AND TAP INSIDE WALL OF BASE OPPOSITE ACCESS DOOR TO ACCOMMODATE A 5/16"-18 GROUND STUD (STUD PROVISIONS:

ANCHOR BOLTS: (4) 1" DIA. (SUPPLIED BY OTHERS) 5" REQUIRED

BOLT PROJECTION:

TENON: 2 3/8" DIA. X 3" HIGH (TO ACCEPT FINIAL)

IPSMDY-18-8S-14-EPWNYC-CU-(TYPE HT-1B LP-20697)

PAINT SPECIFICATIONS (INTERIOR AND EXTERIOR)

PRIME COAT: ONE COAT ZINC RICH PRIMER - SHERWIN WILLIAMS ZINC CLAD #1 B69AW9 (SINGLE COMPONENT)

INTERMEDIATE ONE COAT INTERMEDIATE EPOXY POLYAMIDE PRIMER -SHERWIN WILLIAMS ALL WEATHER EPOXY PRIMER (ULTRA

DEEP GREEN) B62W400 (2 COMPONENT)

ONE COAT ACRYLIC POLYURETHANE ENAMEL - FEDERAL FINISH COAT: GREEN #14036 SHERWIN WILLIAMS HI SOLID

POLYURETHANE ENAMEL B65T304 (2 COMPONENT)

THE PURCHASER AND/OR CONTRACTOR RELEASES SPRING PLEASE NOTE:

CITY ELECTRICAL MANUFACTURING FROM ANY GUARANTEES REGARDING THE FINAL CONDITION OF THE FINISH PAINT ON ANY COMPONENTS WHEN THEY ARE

RECEIVED AT THE JOB SITE. SPRING CITY WILL FURNISH TOUCH UP PAINT FOR TOUCH UP PURPOSES AFTER

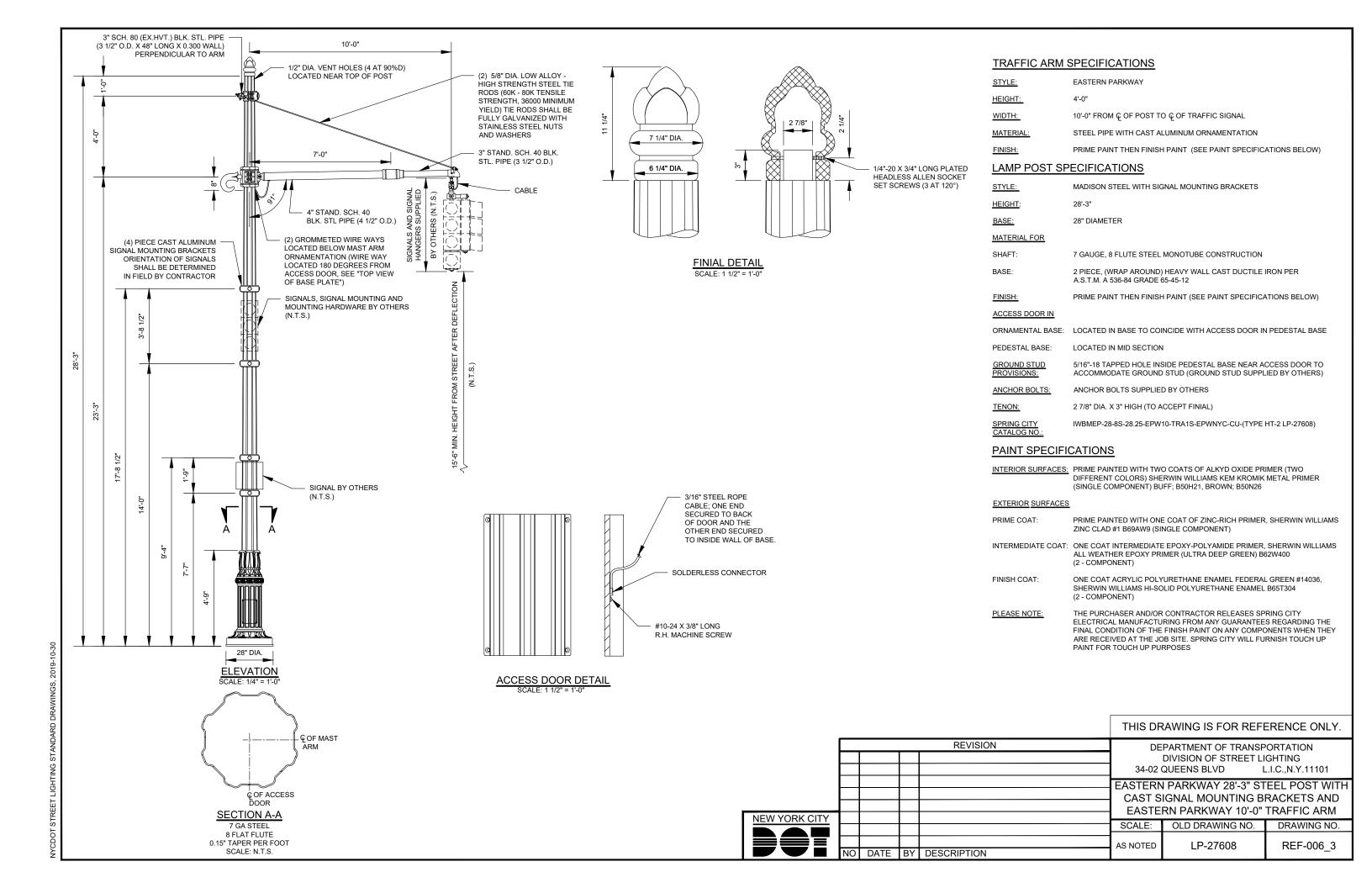
INSTALLATION BY CONTRACTOR.

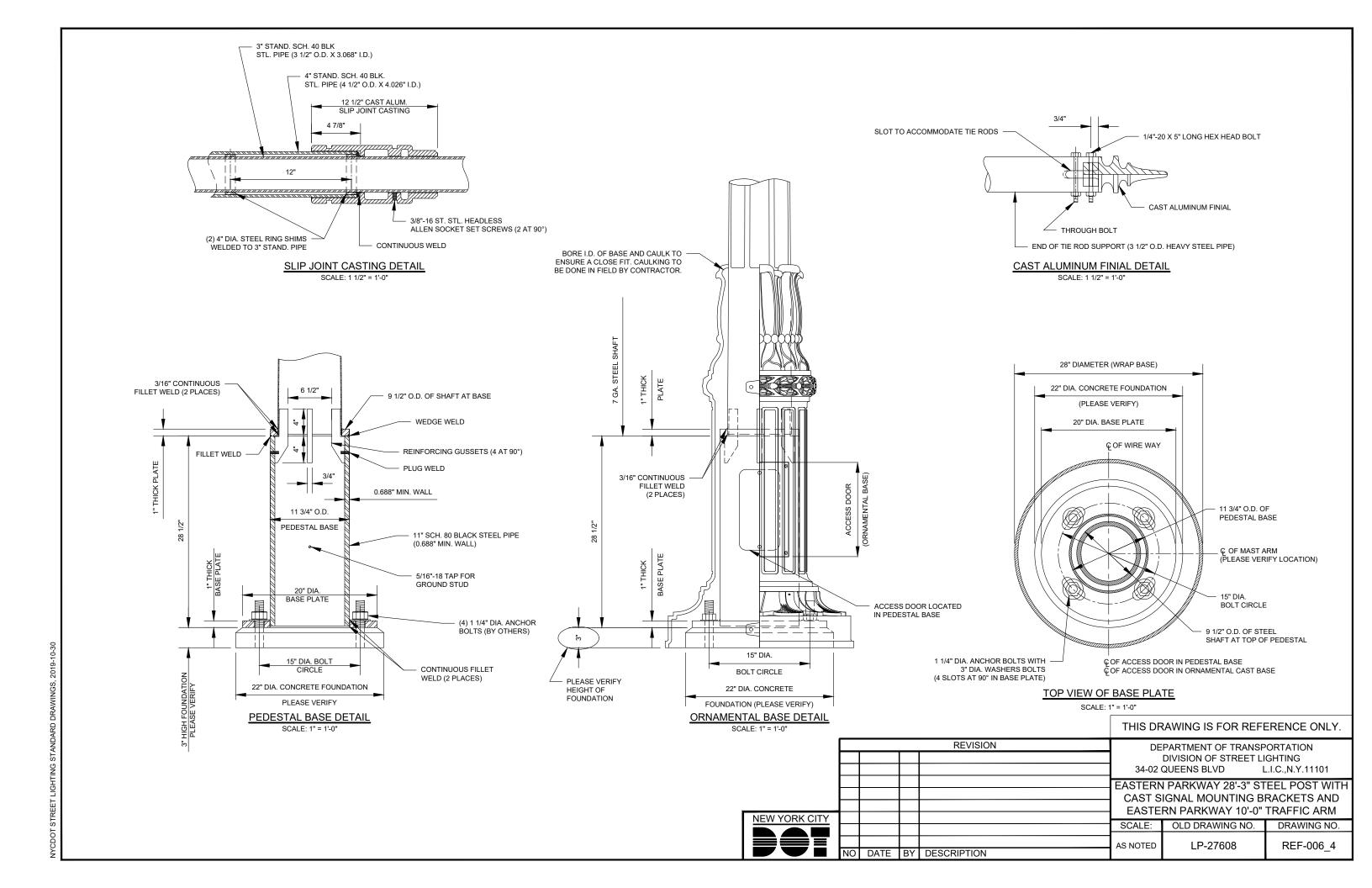
THIS DRAWING IS FOR REFERENCE ONLY.

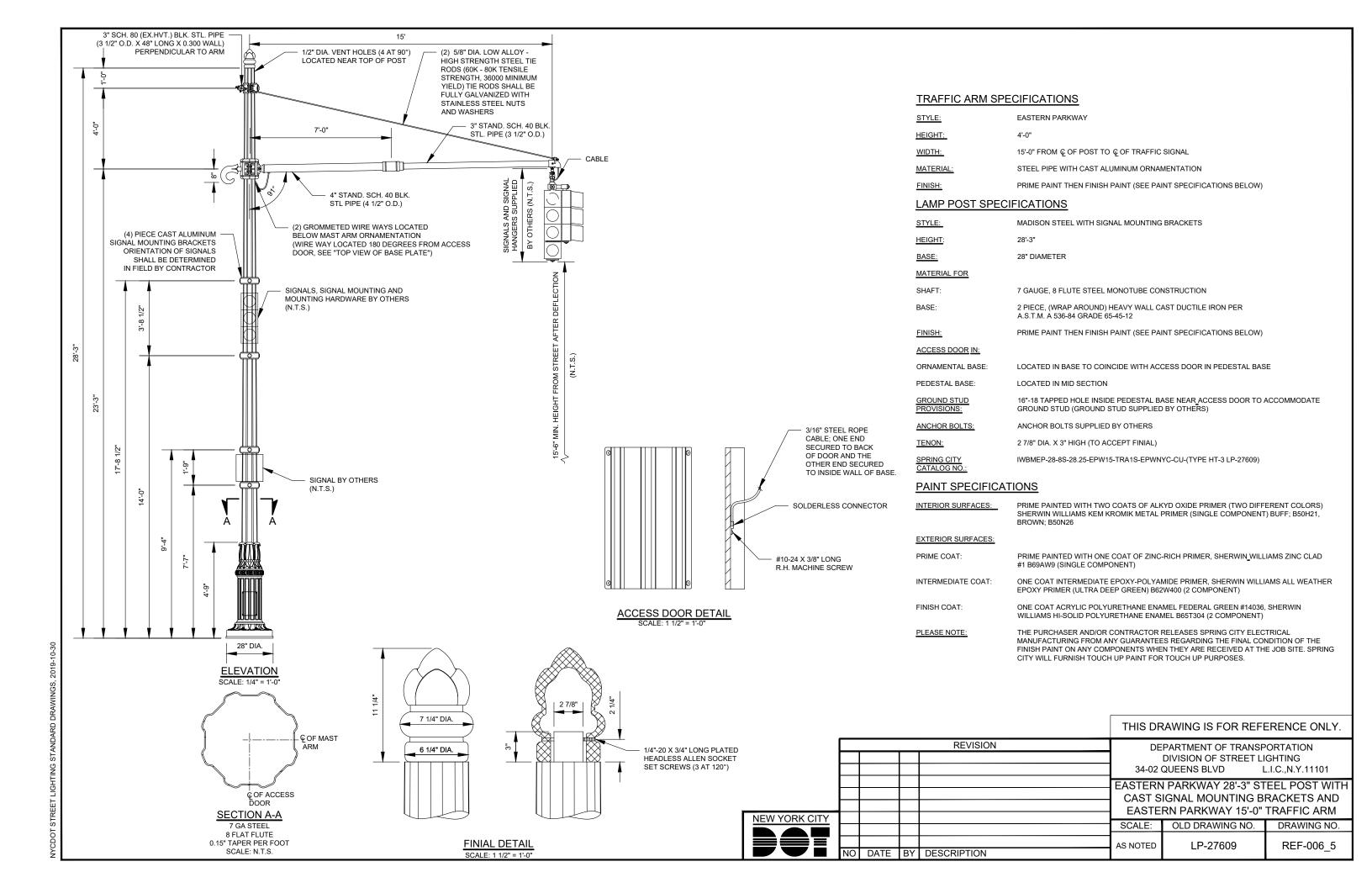
DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C., N.Y.11101

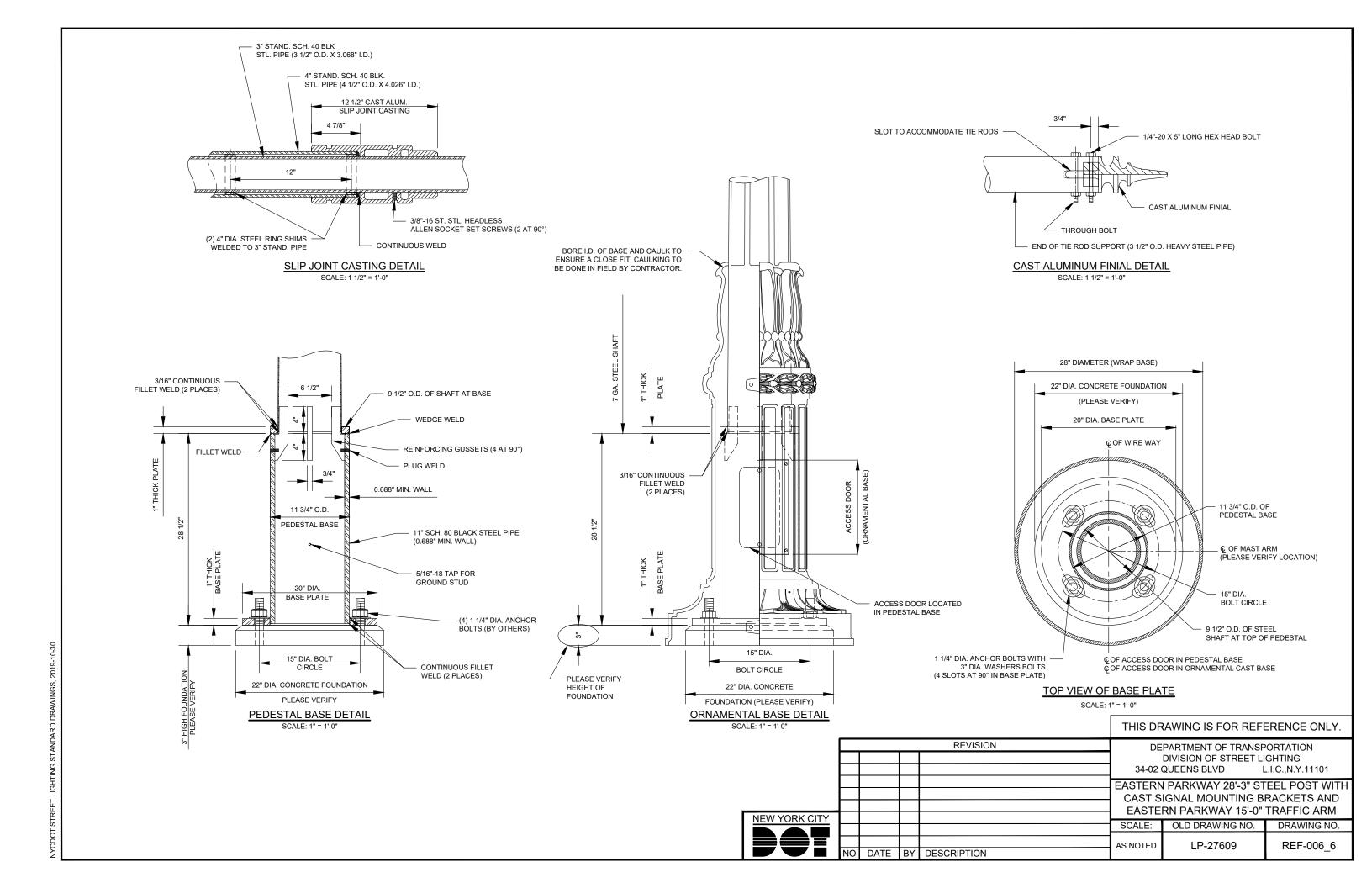
EASTERN PARKWAY 14'-0" STEEL LAMPPOST WITH EASTERN PARKWAY FINIAL

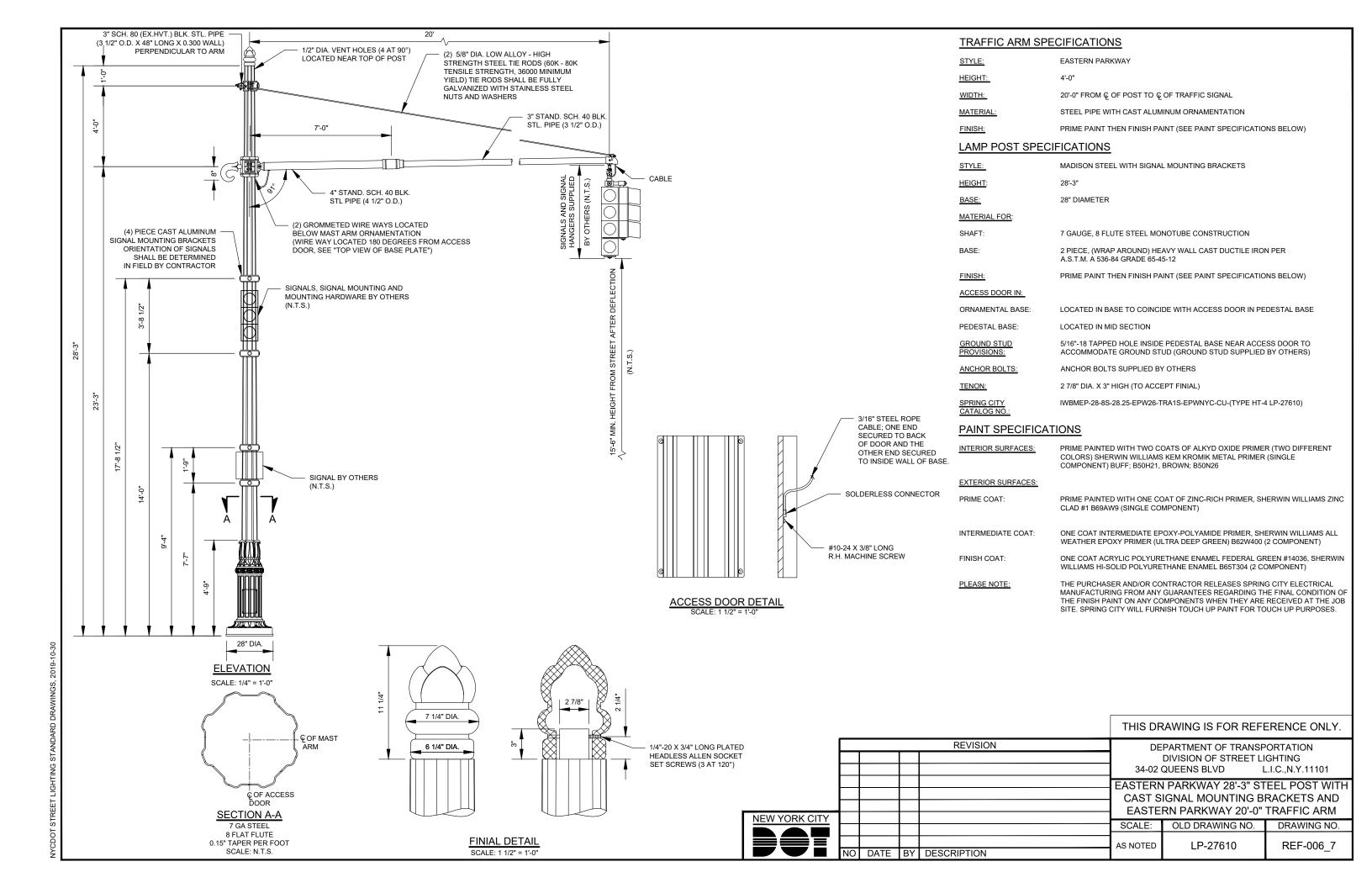
OLD DRAWING NO. SCALE: DRAWING NO. LP-20697 REF-006_2 AS NOTED

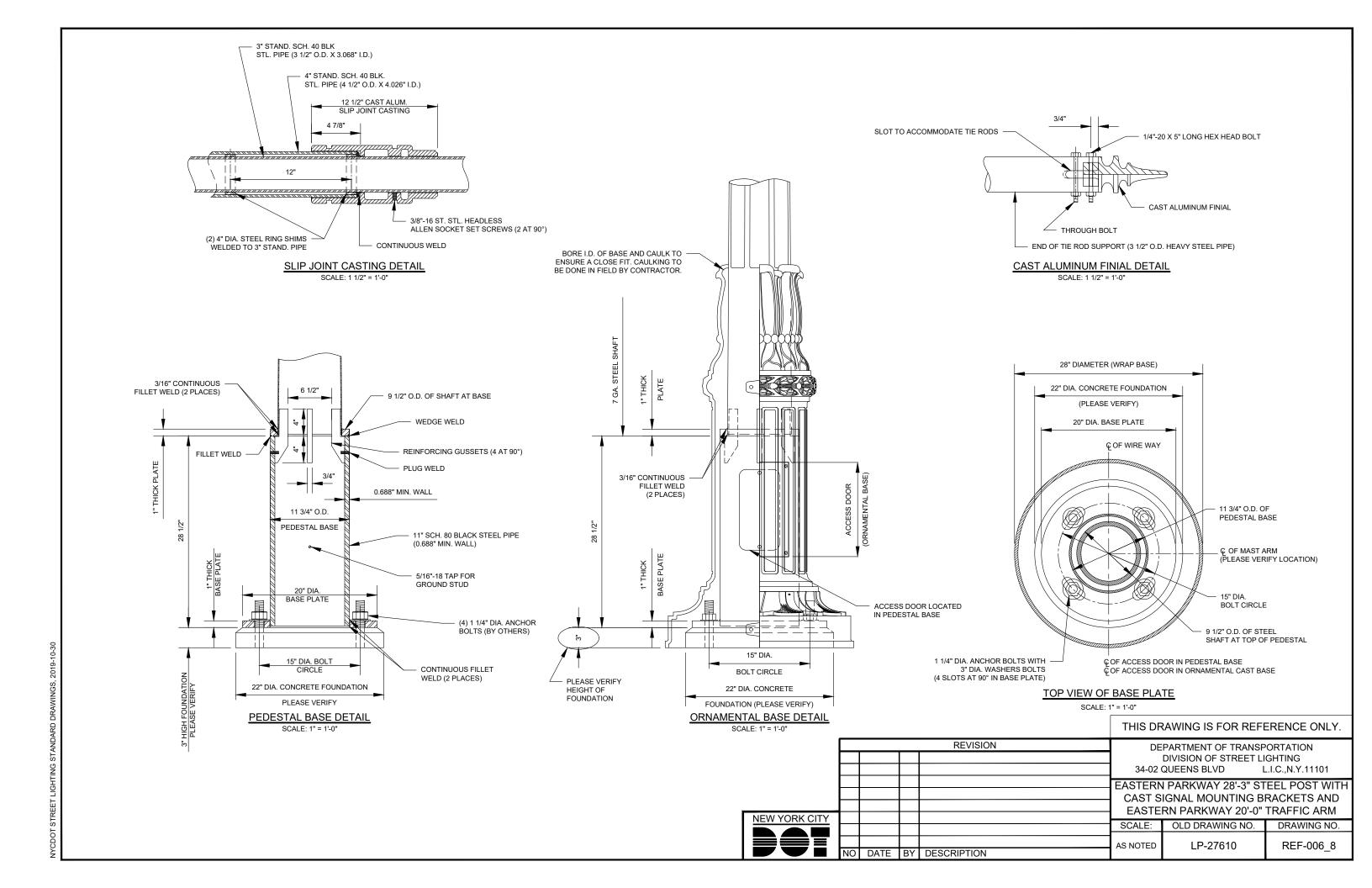


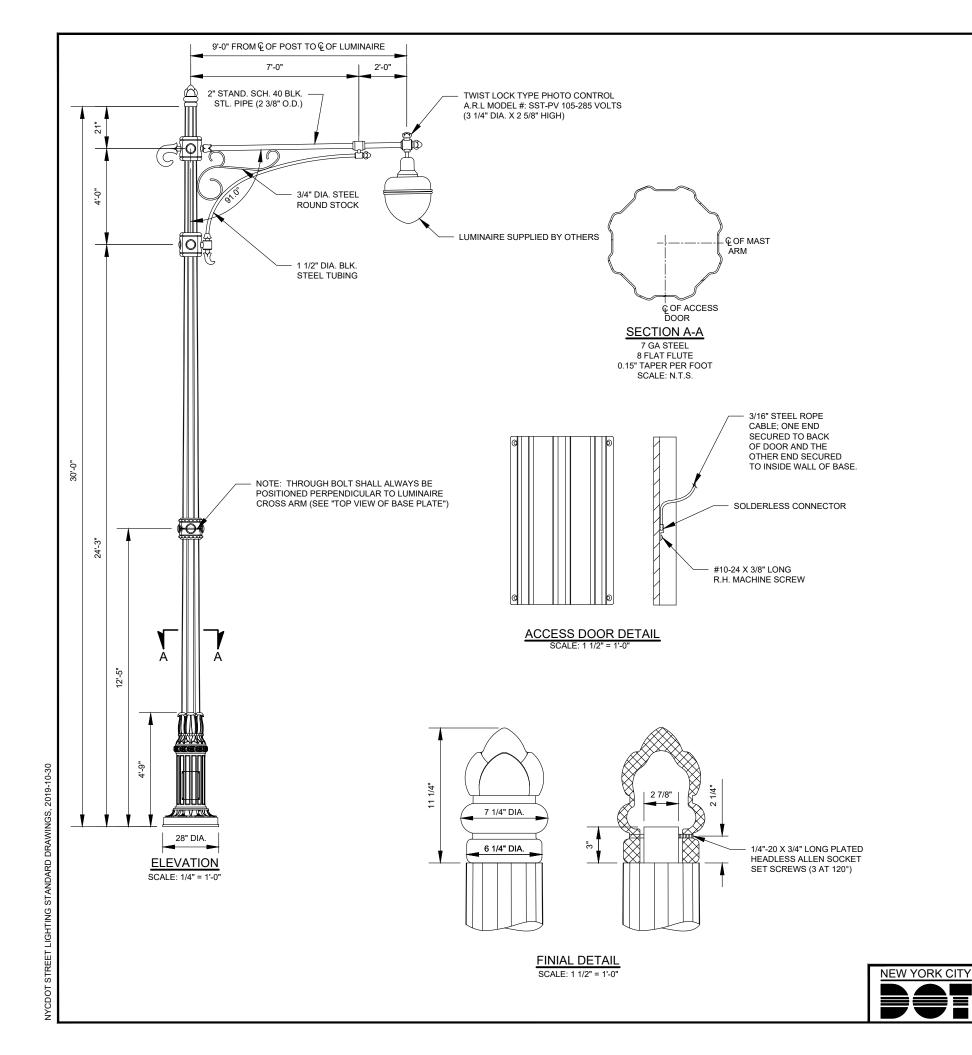












TRAFFIC ARM SPECIFICATIONS

STYLE: EASTERN PARKWAY

HEIGHT: 4'-0"

WIDTH: 9'-0" FROM Ç OF POST TO Ç OF TRAFFIC SIGNAL

MATERIAL: STEEL PIPE WITH CAST ALUMINUM ORNAMENTATION

FINISH: PRIME PAINT THEN FINISH PAINT (SEE PAINT SPECIFICATIONS BELOW)

LAMP POST SPECIFICATIONS

STYLE: MADISON STEEL WITH SIGNAL MOUNTING BRACKETS

HEIGHT: 30'-0"

BASE: 28" DIAMETER

MATERIAL IN:

SHAFT: 7 GAUGE, 8 FLUTE STEEL MONOTUBE CONSTRUCTION

BASE: 2 PIECE, (WRAP AROUND) HEAVY WALL CAST DUCTILE IRON PER A.S.T.M. A 536-84

GRADE 65-45-12

FINISH: PRIME PAINT THEN FINISH PAINT (SEE PAINT SPECIFICATIONS BELOW)

ACCESS DOOR FOR:

ORNAMENTAL BASE: LOCATED IN BASE TO COINCIDE WITH ACCESS DOOR IN PEDESTAL BASE

PEDESTAL BASE: LOCATED IN MID SECTION

GROUND STUD 5/16"-18 TAPPED HOLE INSIDE PEDESTAL BASE NEAR ACCESS DOOR TO PROVISIONS: ACCOMMODATE GROUND STUD (GROUND STUD SUPPLIED BY OTHERS)

ANCHOR BOLTS: ANCHOR BOLTS SUPPLIED BY OTHERS

TENON: 2 7/8" DIA. X 3" HIGH (TO ACCEPT FINIAL)

SPRING CITY IWBMEP-28-8S-30-EPW9-1S-EPWNYC-CU-(TYPE HR-1 LP-27611)

CATALOG NO.

PAINT SPECIFICATIONS

INTERIOR SURFACES: PRIME PAINTED WITH TWO COATS OF ALKYD OXIDE PRIMER (TWO DIFFERENT

COLORS) SHERWIN WILLIAMS KEM KROMIK METAL PRIMER (SINGLE COMPONENT)

BUFF; B50H21, BROWN; B50N26

EXTERIOR SURFACES

PRIME COAT: PRIME PAINTED WITH ONE COAT OF ZINC-RICH PRIMER, SHERWIN WILLIAMS ZINC

CLAD #1 B69AW9 (SINGLE COMPONENT)

INTERMEDIATE COAT: ONE COAT INTERMEDIATE EPOXY-POLYAMIDE PRIMER, SHERWIN WILLIAMS ALL

WEATHER EPOXY PRIMER (ULTRA DEEP GREEN) B62W400 (2 COMPONENT)

FINISH COAT: ONE COAT ACRYLIC POLYURETHANE ENAMEL FEDERAL GREEN #14036, SHERWIN

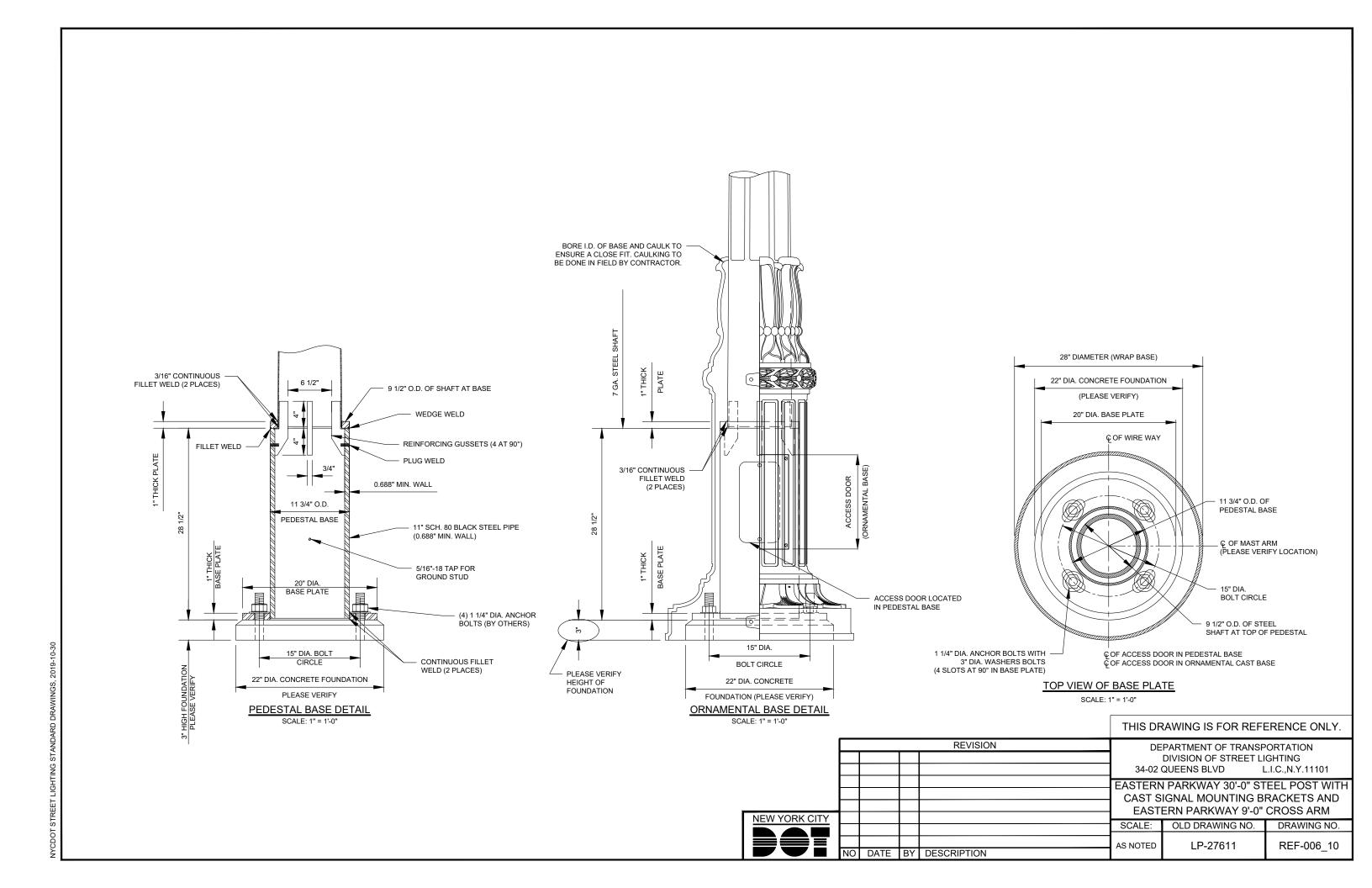
WILLIAMS HI-SOLID POLYURETHANE ENAMEL B65T304 (2 COMPONENT)

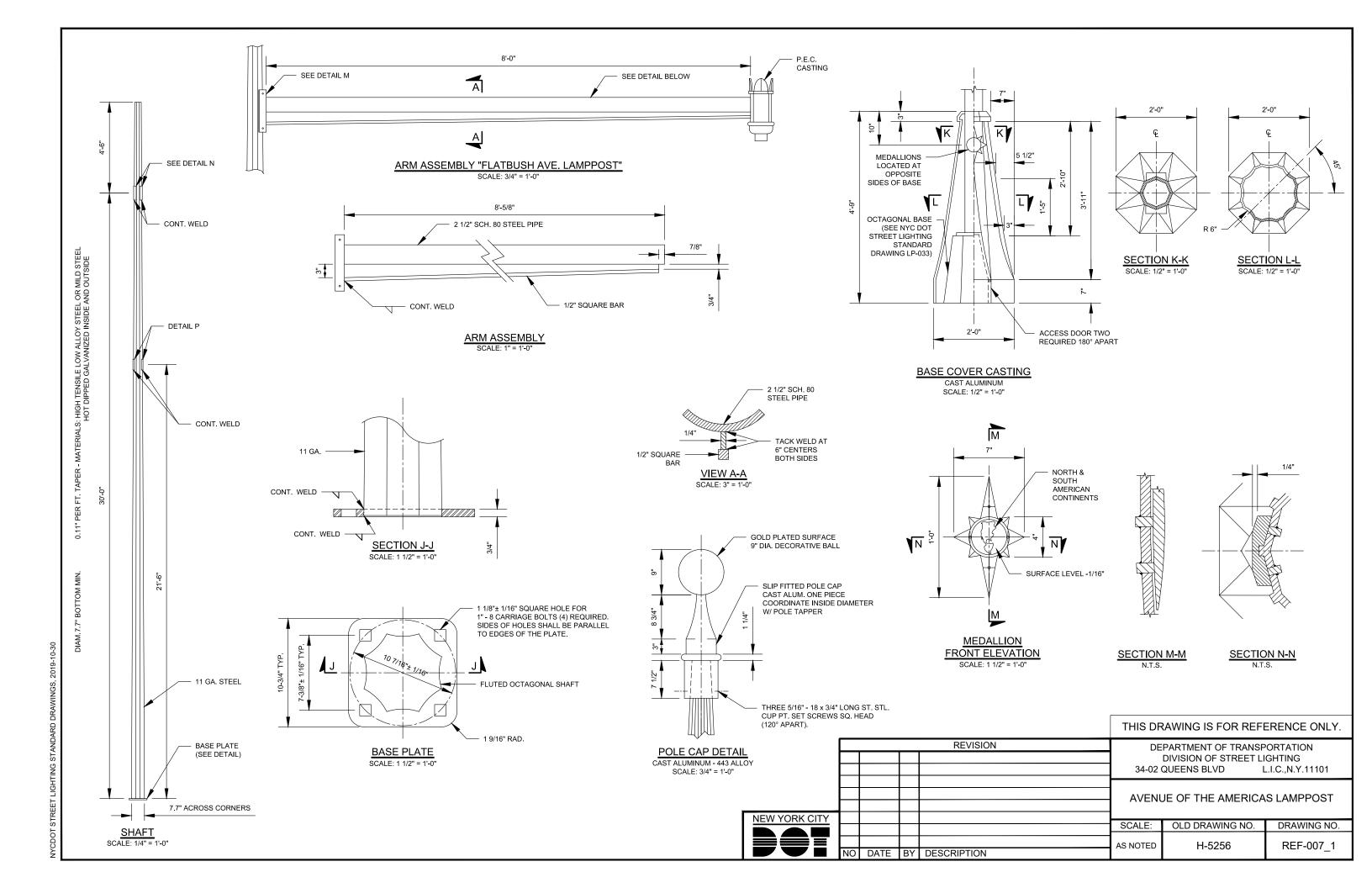
PLEASE NOTE: THE PURCHASER AND/OR CONTRACTOR RELEASES SPRING CITY ELECTRICAL

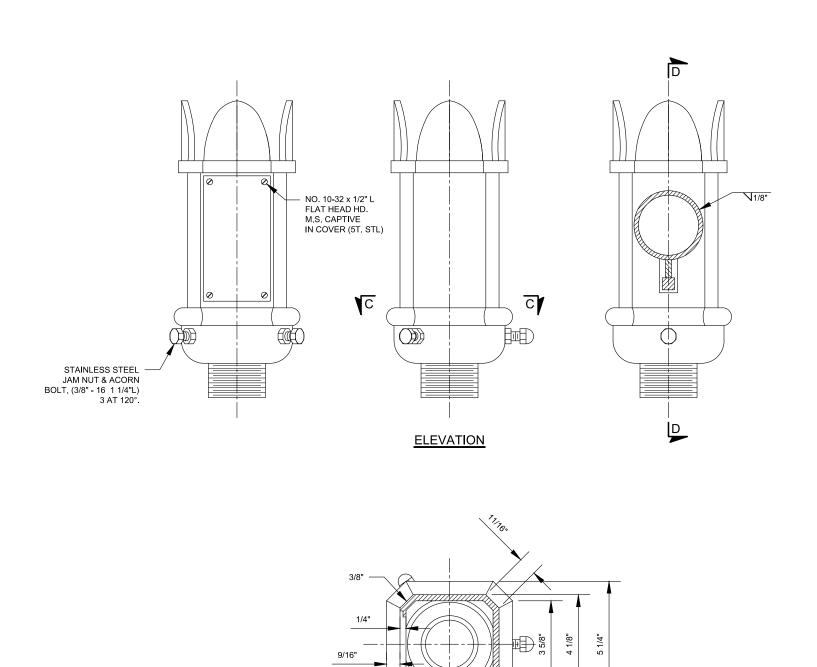
MANUFACTURING FROM ANY GUARANTEES REGARDING THE FINAL CONDITION OF THE FINISH PAINT ON ANY COMPONENTS WHEN THEY ARE RECEIVED AT THE JOB SITE. SPRING CITY WILL FURNISH TOUCH UP PAINT FOR TOUCH UP PURPOSES

THIS DRAWING IS FOR REFERENCE ONLY.

REVISION DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C., N.Y.11101 EASTERN PARKWAY 30'-0" STEEL POST WITH CAST SIGNAL MOUNTING BRACKETS AND EASTERN PARKWAY 9'-0" CROSS ARM SCALE: OLD DRAWING NO. DRAWING NO. LP-27611 REF-006_9 AS NOTED DATE BY DESCRIPTION

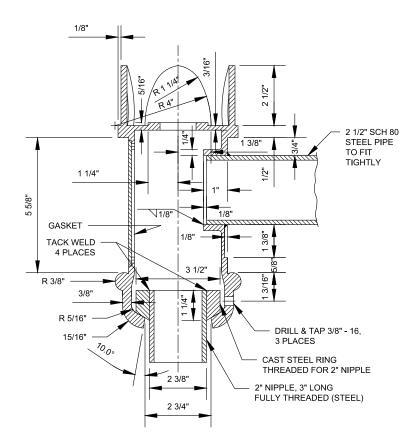


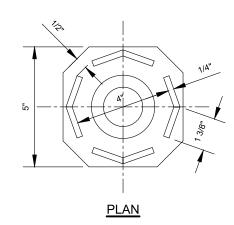






SECTION C-C





NEW YORK CITY

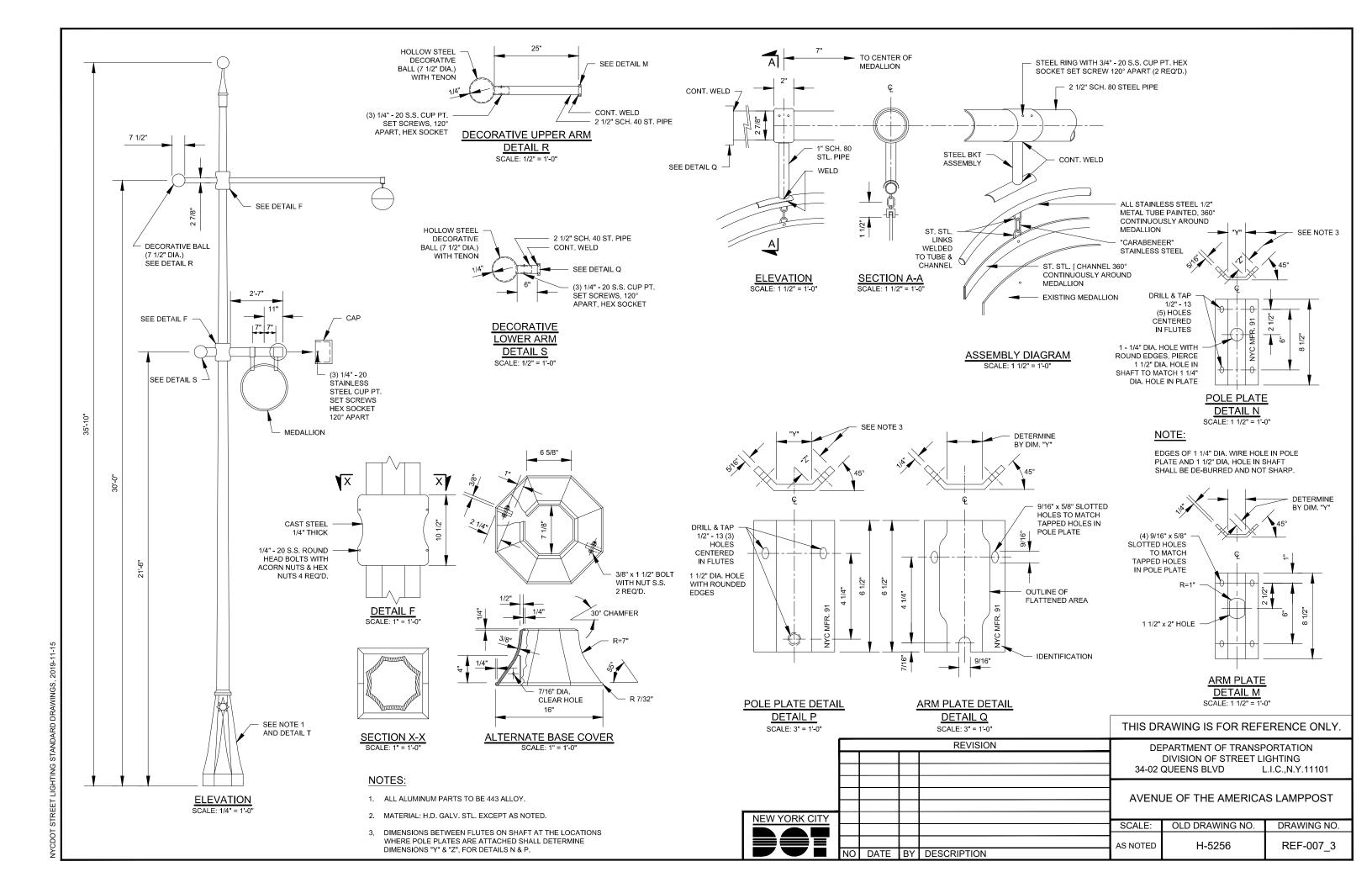
SECTION D-D

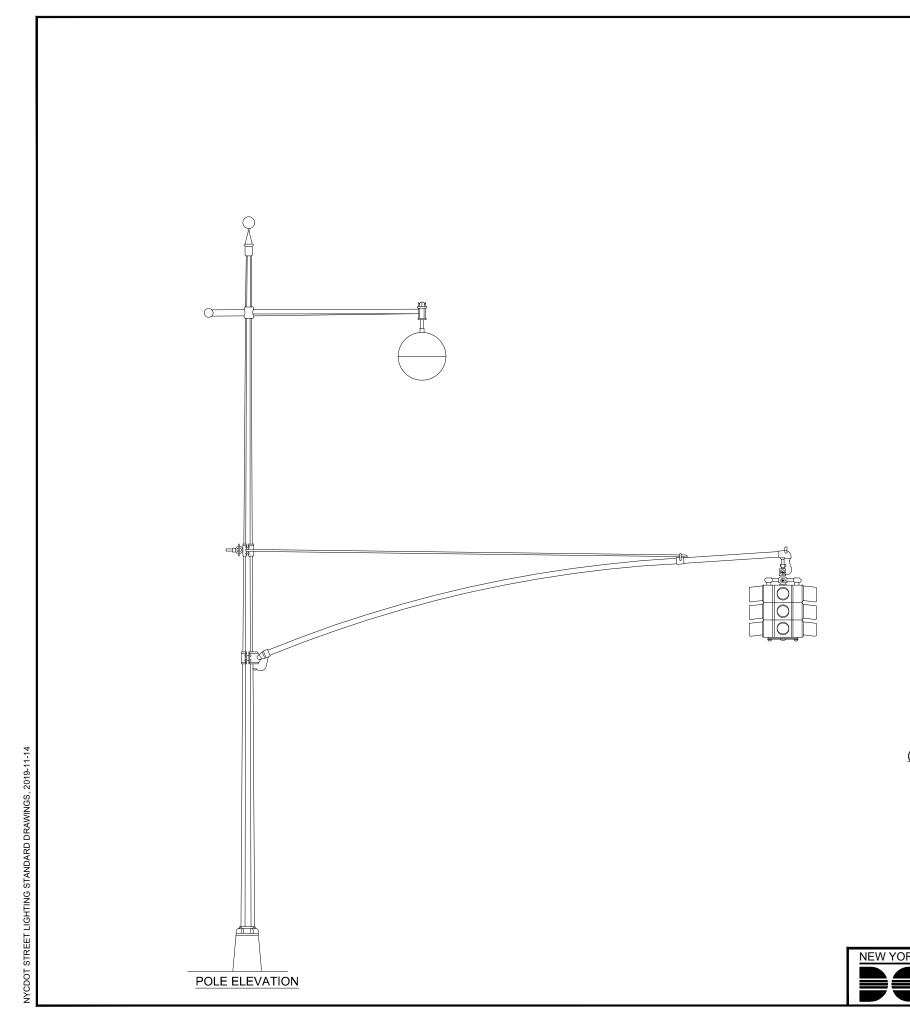
THIS DRAWING IS FOR REFERENCE ONLY.

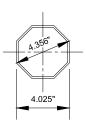
REVISION			REVISION	DEPARTMENT OF TRANSPORTATION		
				DIVISION OF STREET LIGHTING		
				34-02 QUEENS BLVD	L.I.C.,N.Y.11101	

AVENUE OF THE AMERICAS LAMPPOST

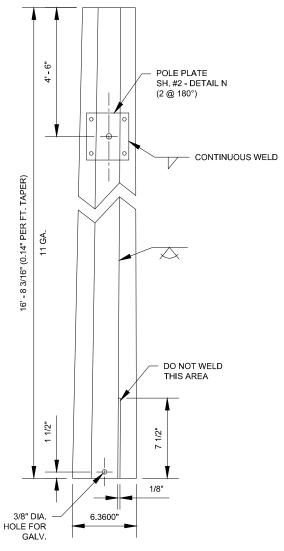
OLD DRAWING NO. DRAWING NO. SCALE: H-5256 REF-007_2 3" = 1'-0" NO DATE BY DESCRIPTION







SHAFT SECTION



M2 SHAFT EXTENSION (AVENUE OF THE AMERICAS POST)

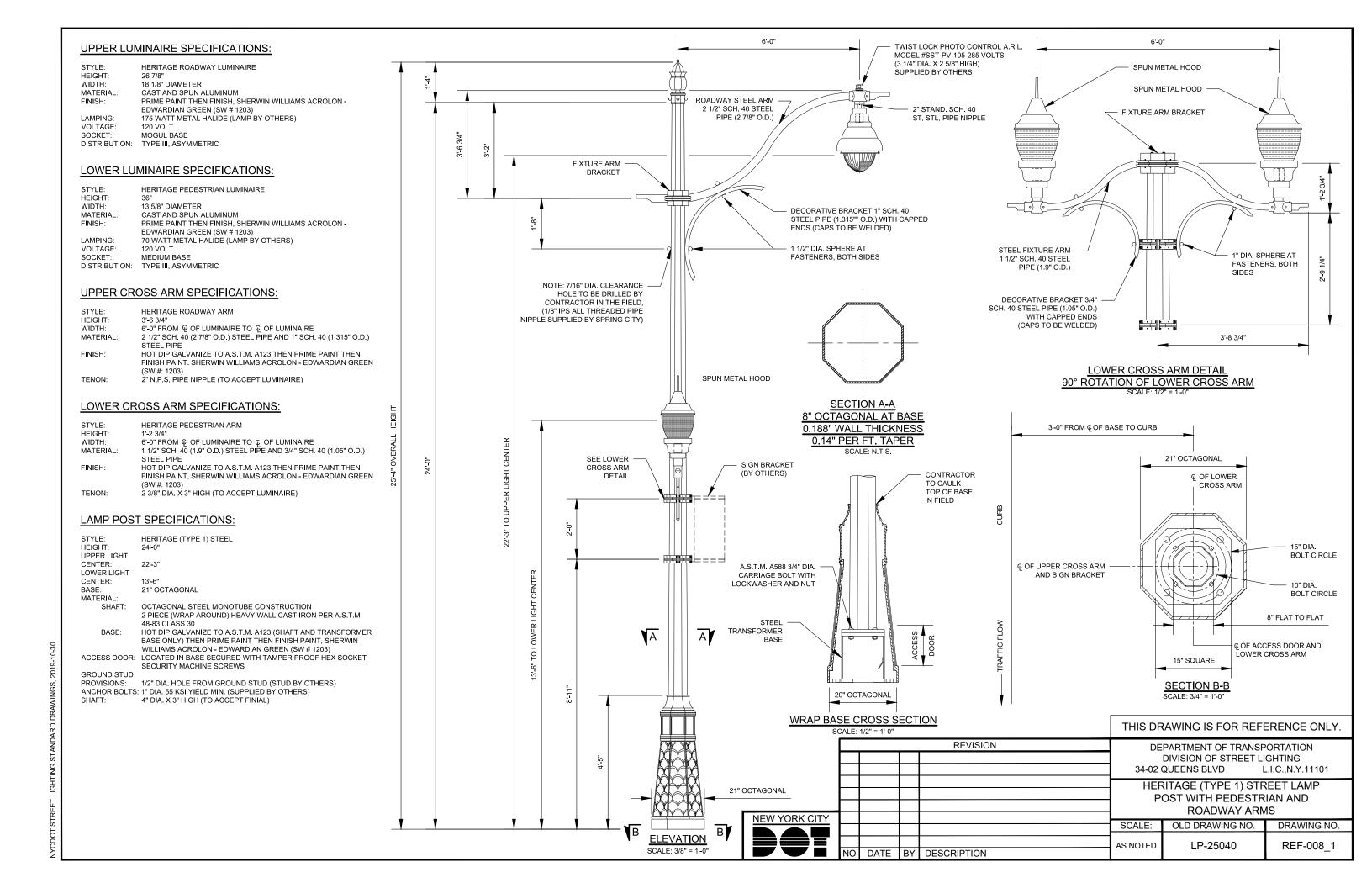
NOTES:

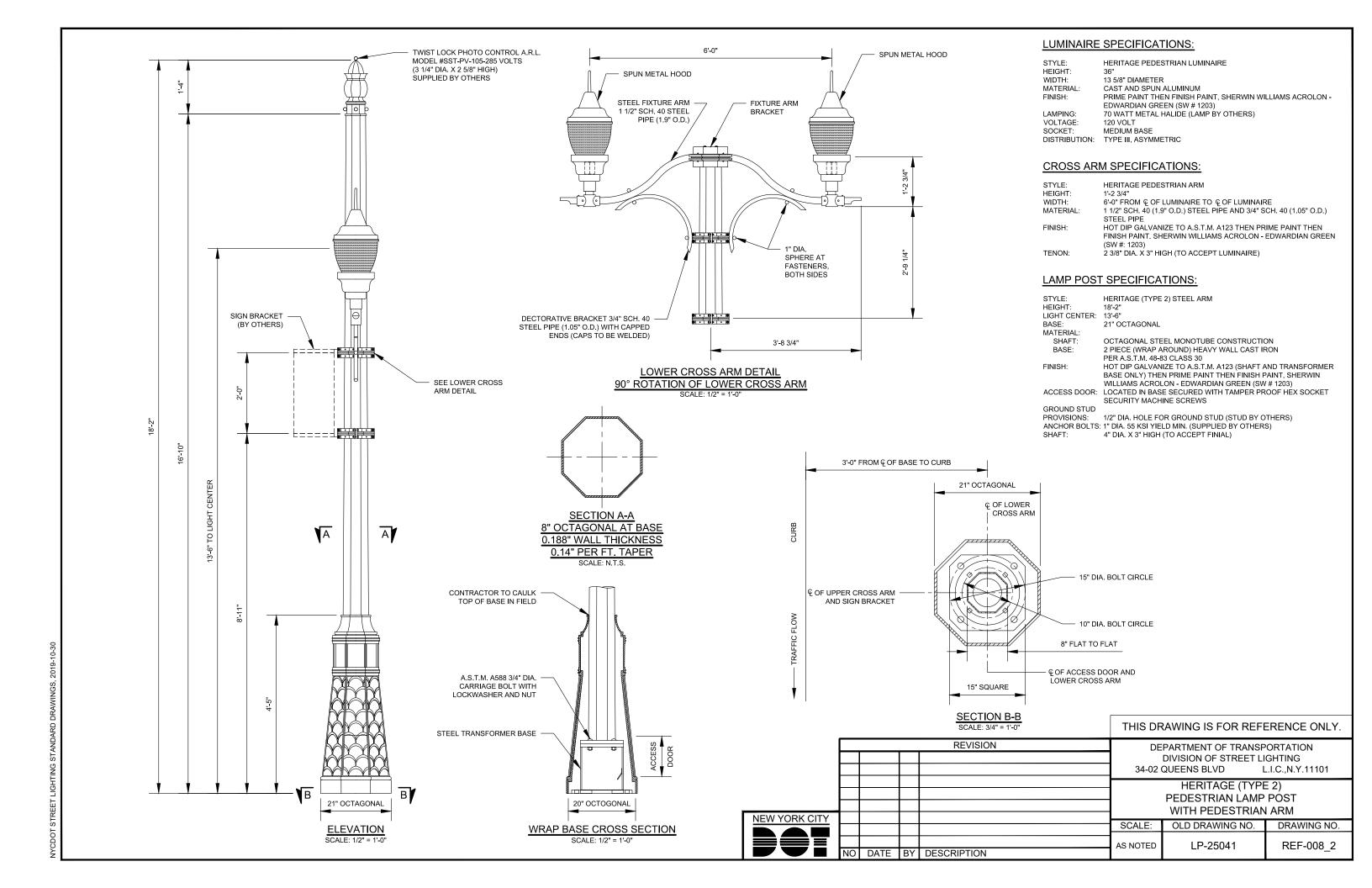
REVISION

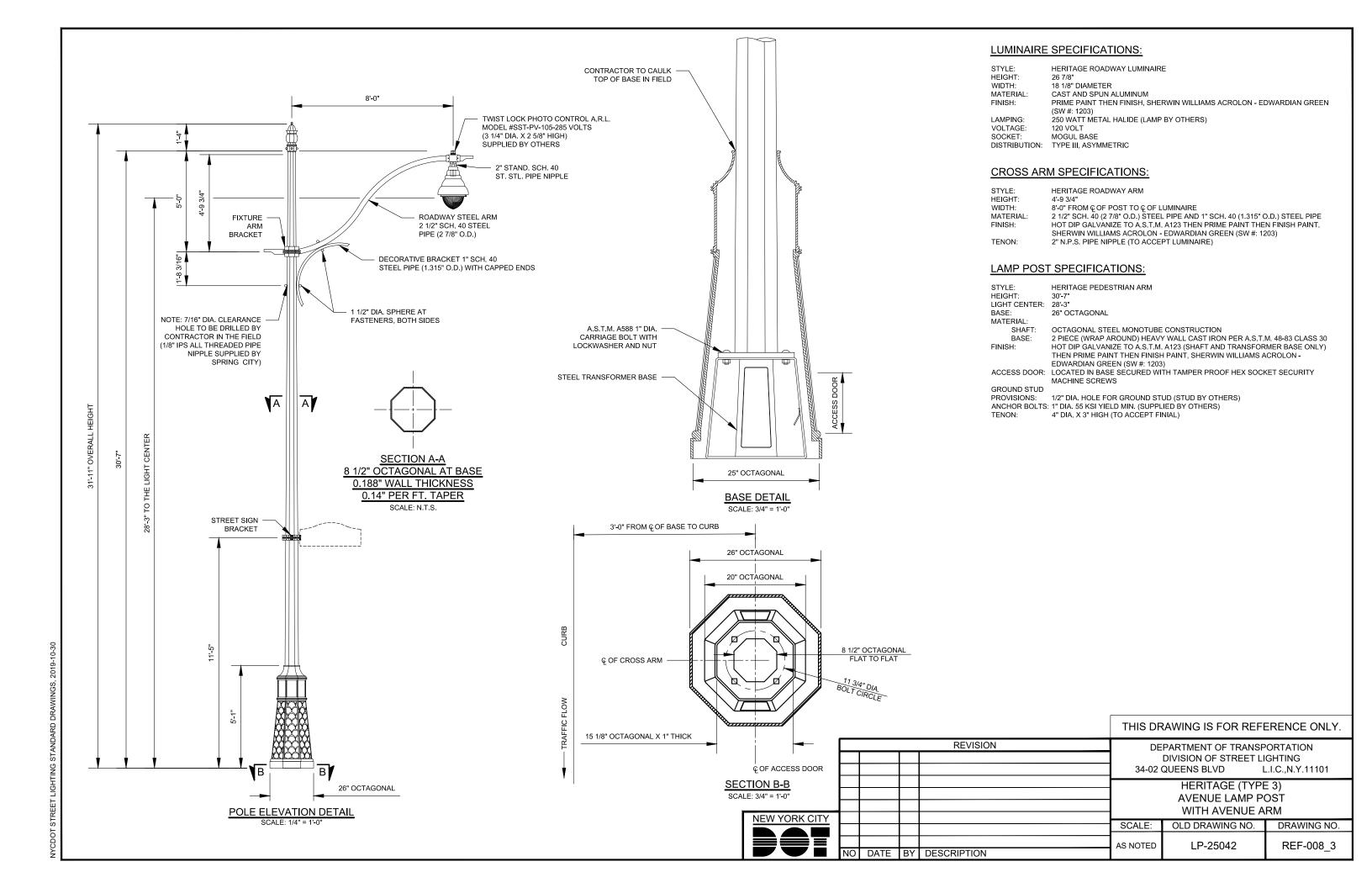
- 1. MATERIAL: LOW ALLOY HIGH STRENGTH STEEL, CORDEN OR EQUAL.
- 2. SHAFT EXTENSION TO BE H. D. G. AFTER FABRICATION.
- 3. PIERCE 1" DIA. HOLES IN EXTENSION TO MATCH 1/2" TAPPED HOLES IN POLE PLATE AND 1 1/2" DIA. HOLE TO MATCH 1 1/4" DIA. HOLE IN PLATE.
- 4. FOR INSTALLATION INSTRUCTIONS SEE NYC DOT STREET LIGHTING STANDARD DRAWING SL-MIS-001.

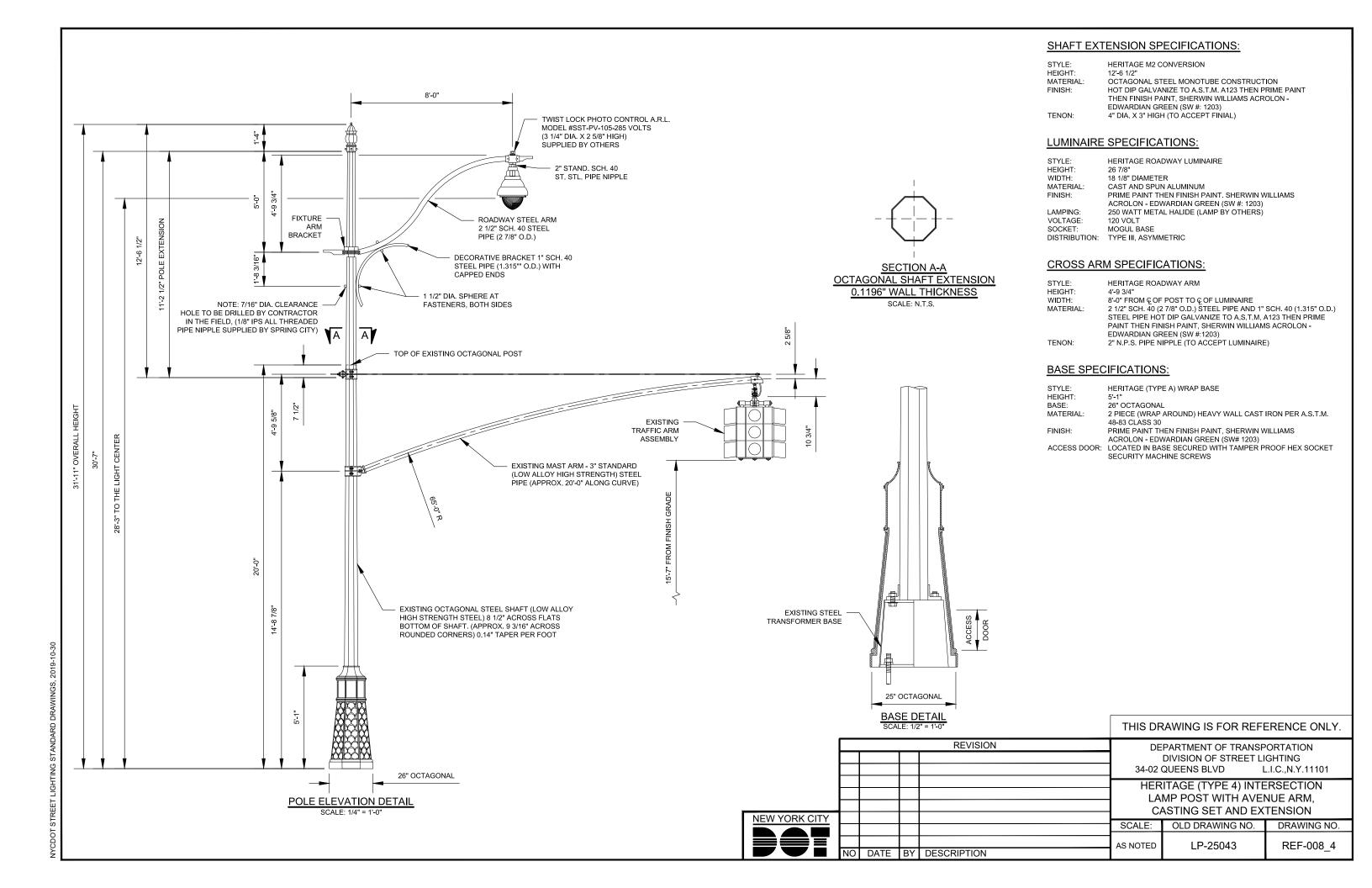
DEPARTMENT OF TRANSPORTATION

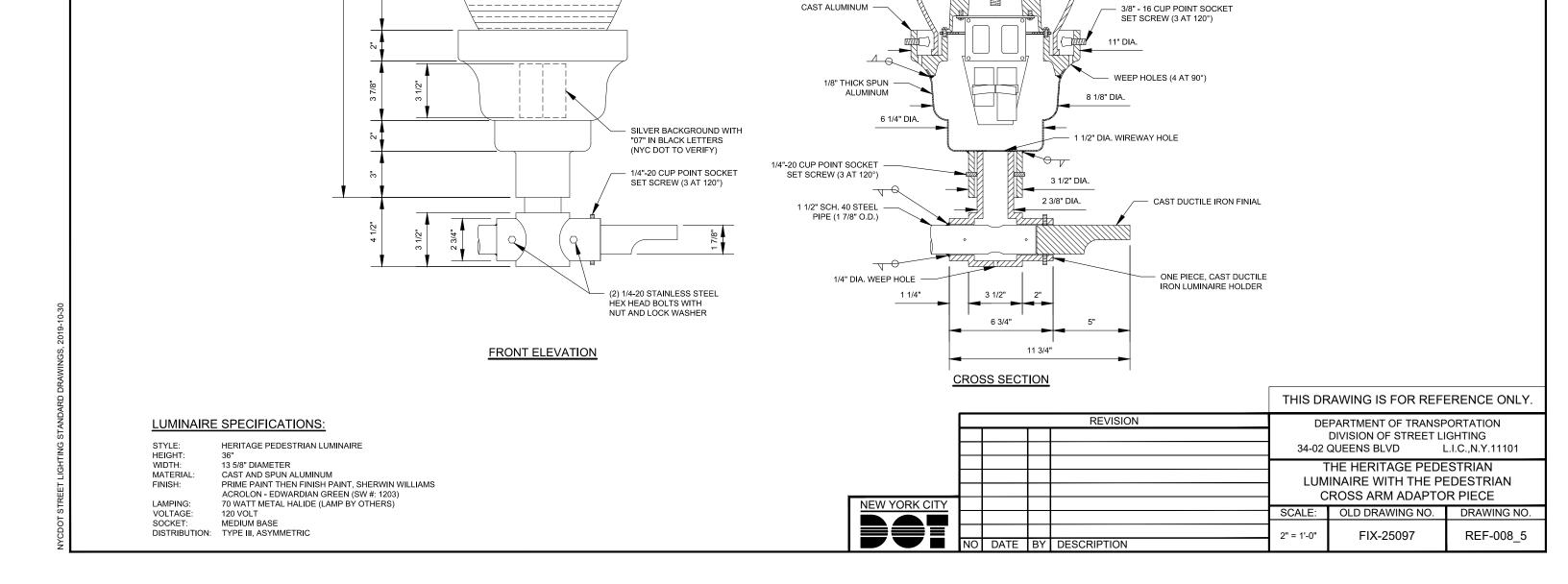
						QUEENS BLVD	L.I.C.,N.Y.11101	
					AVENU	JE OF THE AMERICA	AS LAMPPOST	
RK CITY					SCALE:	OLD DRAWING NO.	DRAWING NO.	
	NO	DATE	BY	DESCRIPTION	N.T.S.	H-5256-3	REF-007_4	
							•	











CAST ALUMINUM FINIAL

4 13/16" DIA.

INSIDE OF METAL HOOD TO BE FINISH PAINTED WHITE

9 1/2" DIA.

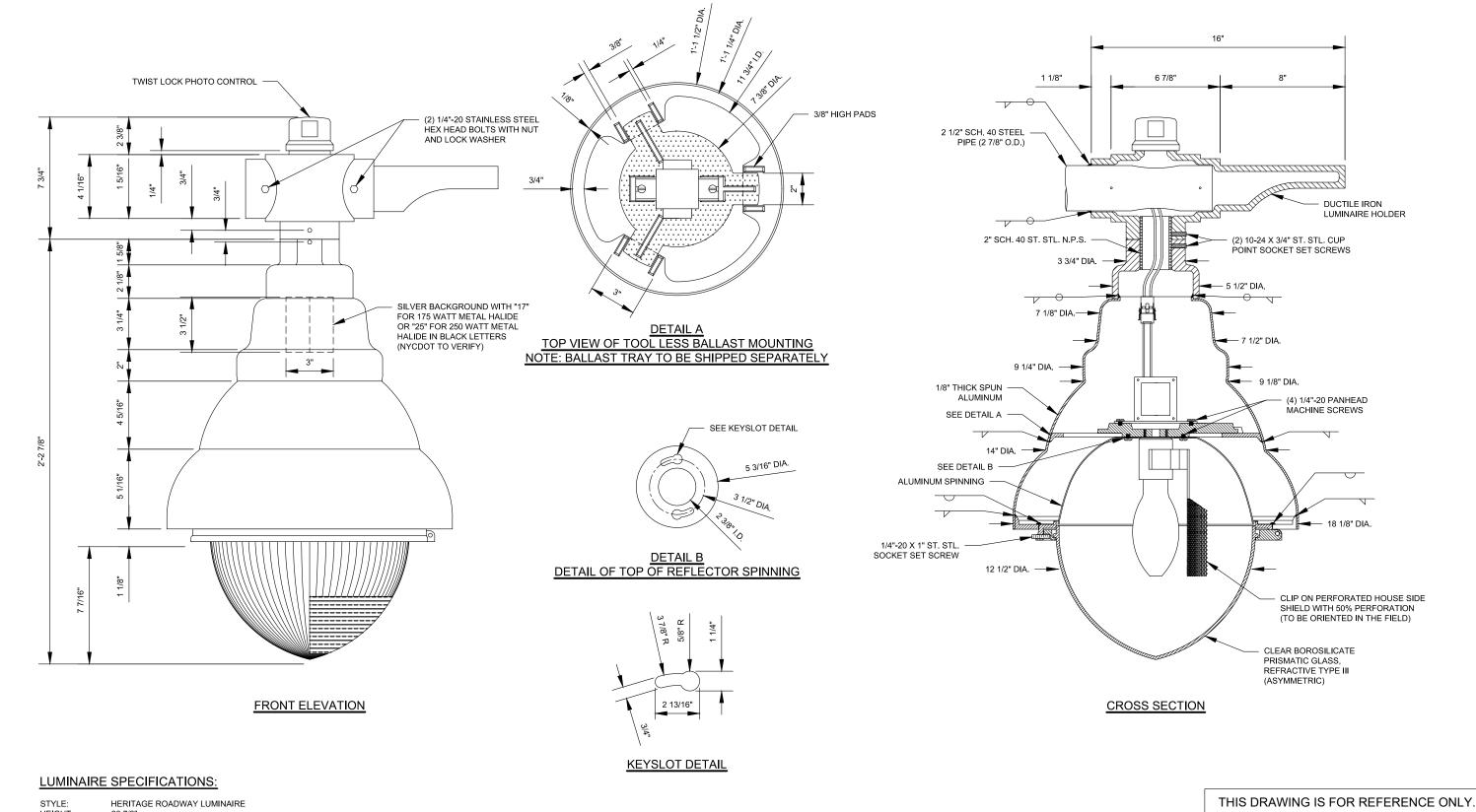
1'-0 7/8" DIA.

CLEAR BOROSILICATE PRISMATIC GLASS, REFRACTIVE TYPE III

ALUMINUM HOOD 1/4" - 20 THREADED ROD (4" LONG)

> CLIP ON PERFORATED HOUSE SIDE SHIELD WITH 50% PERFORATION (TO BE ORIENTED IN THE FIELD)

1'-1 5/8" DIA.



HEIGHT: 26 7/8" WIDTH:

MATERIAL

18 1/8" DIAMETER
CAST AND SPUN ALUMINUM
PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS FINISH:

ACROLON - EDWARDIAN GREEN (SW #: 1203) EITHER 250 WATT METAL HALIDE OR 175 WATT METAL HALIDE (LAMP BY OTHERS) - PLEASE SEE QUANTITY

PLEASE ADVISE SOCKET: MOGUL BASE
DISTRIBUTION: TYPE III, ASYMMETRIC

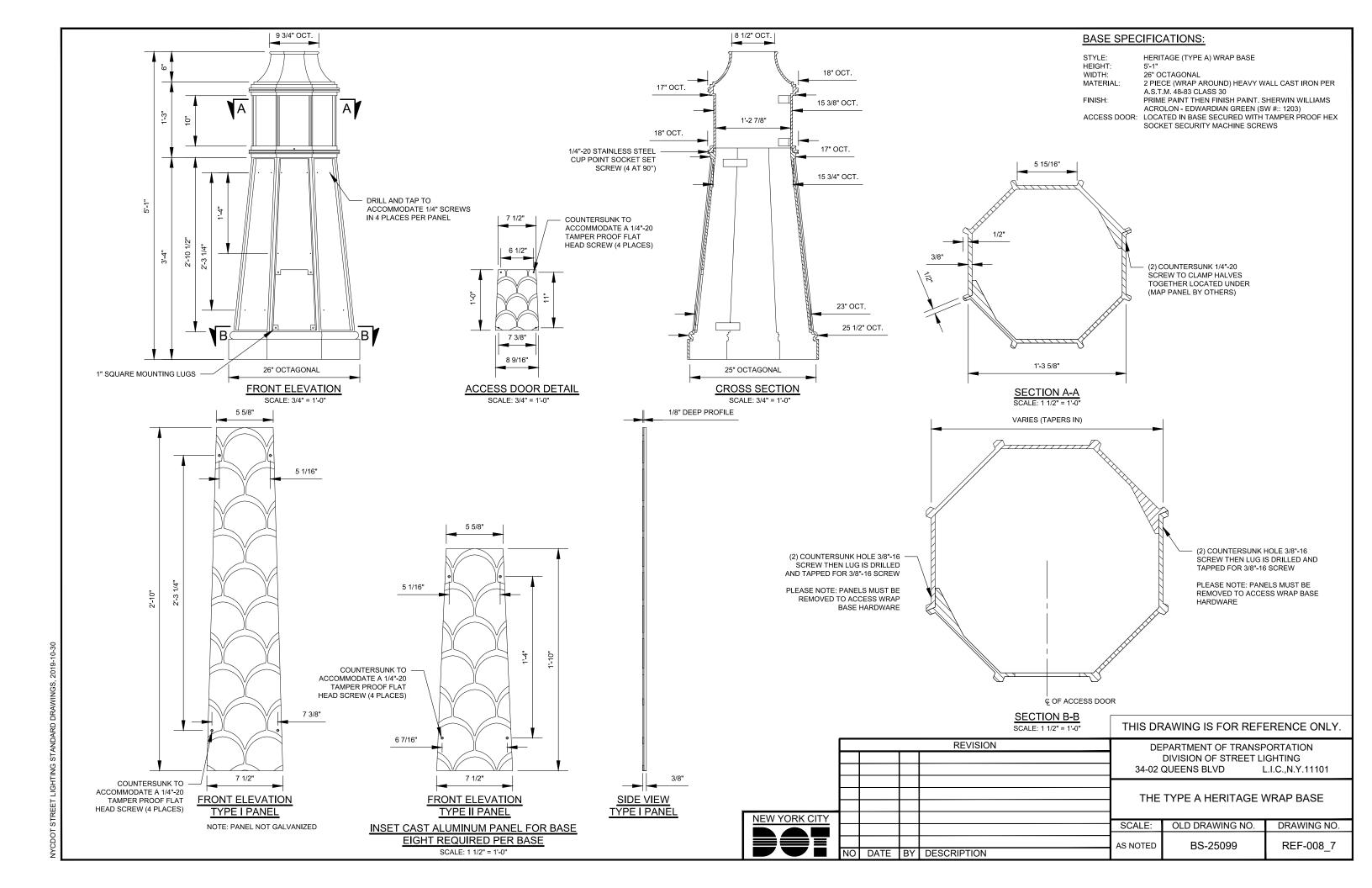


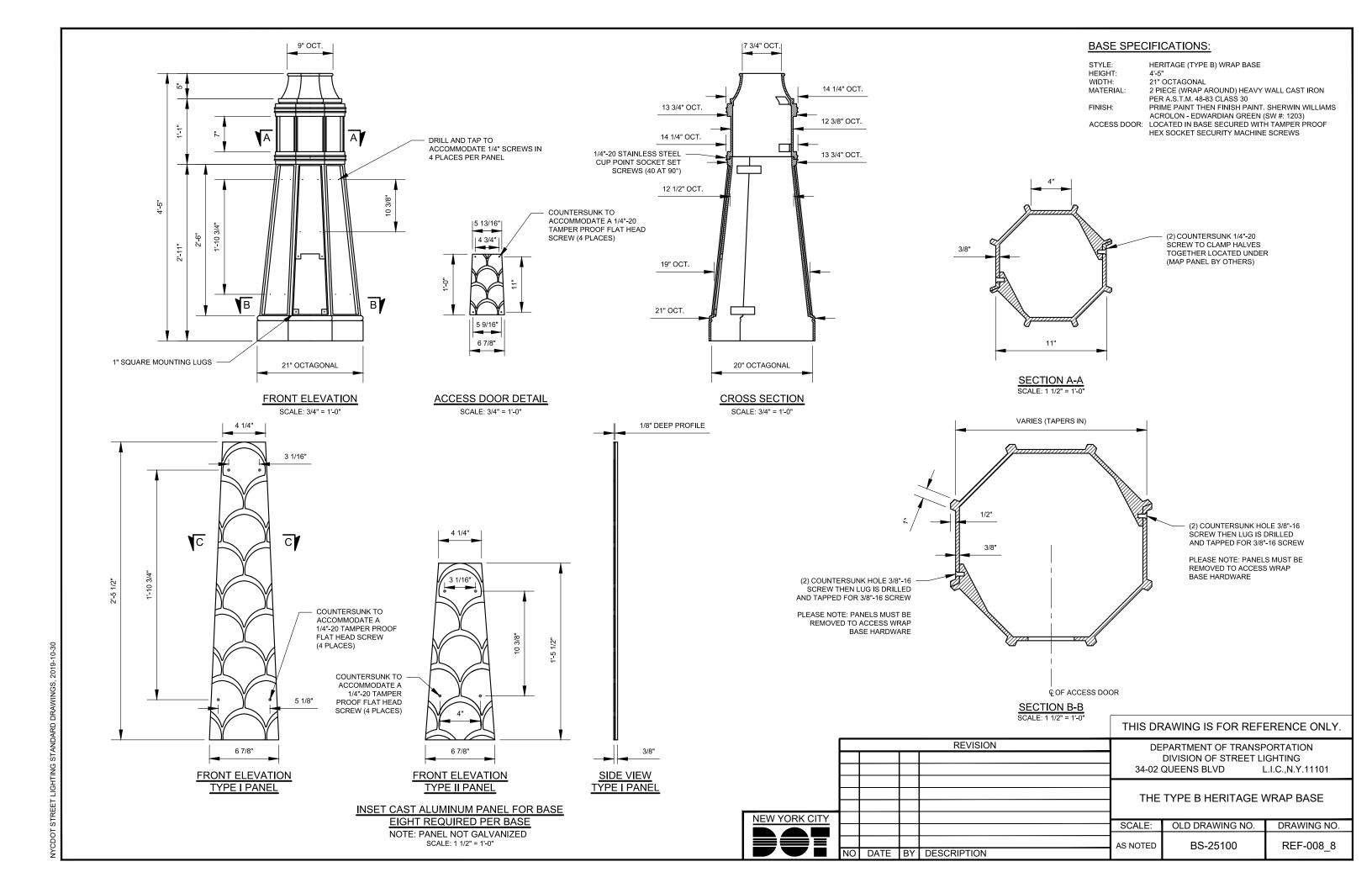
DATE BY DESCRIPTION

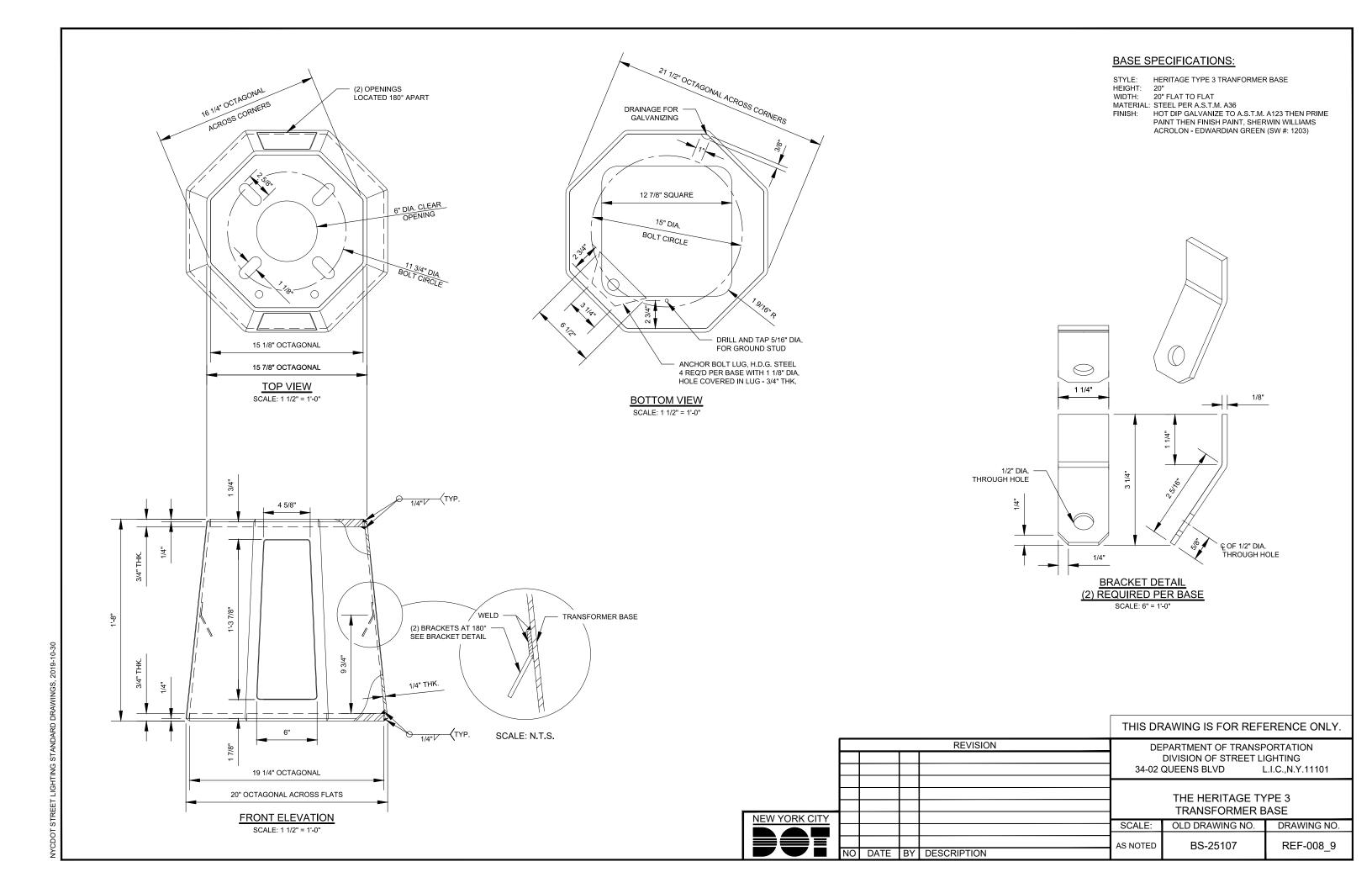
REVISION DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C., N.Y.11101 THE HERITAGE ROADWAY LUMINAIRE WITH ROADWAY

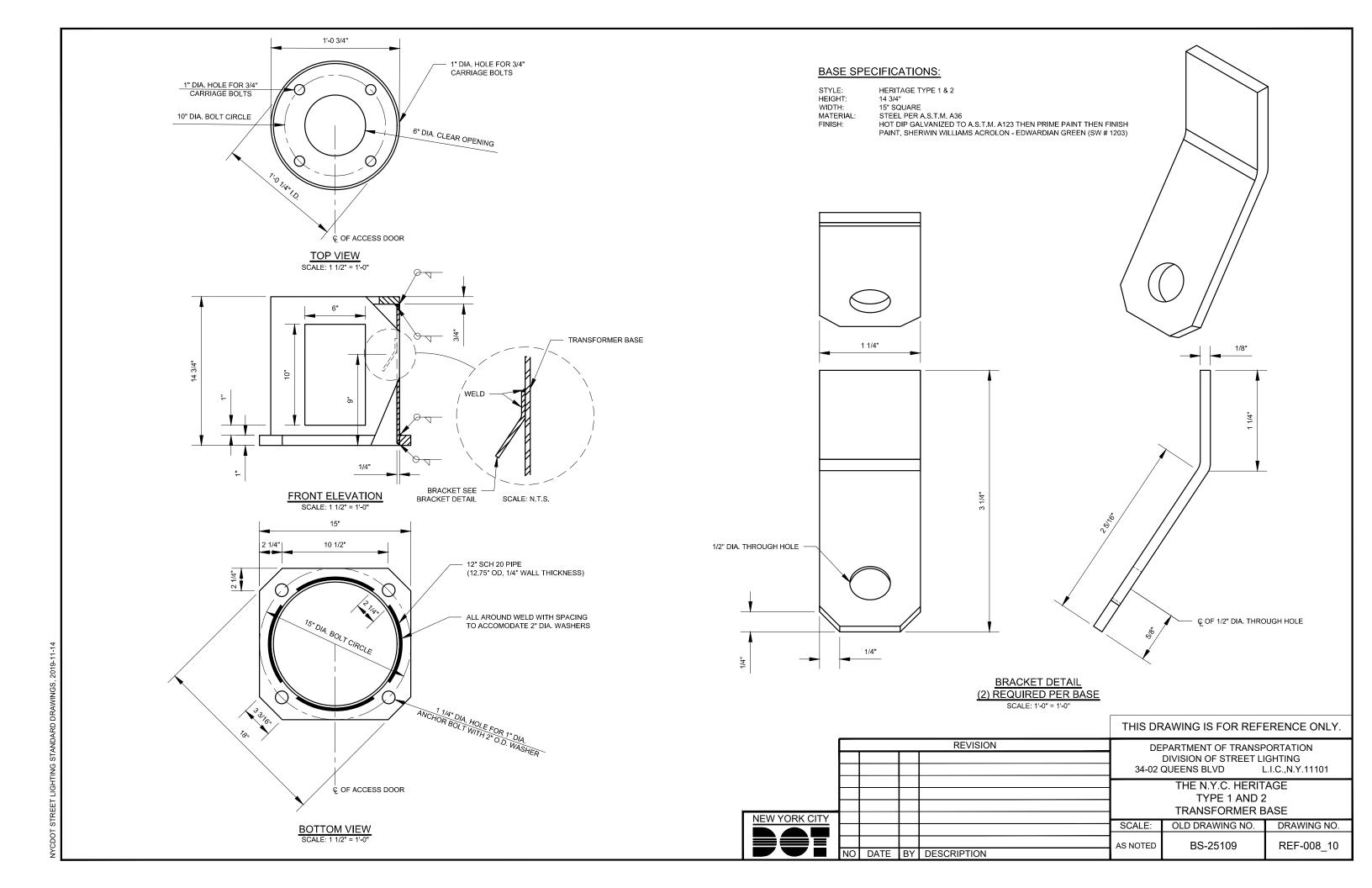
CROSS ARM ADAPTOR SCALE: OLD DRAWING NO. DRAWING NO.

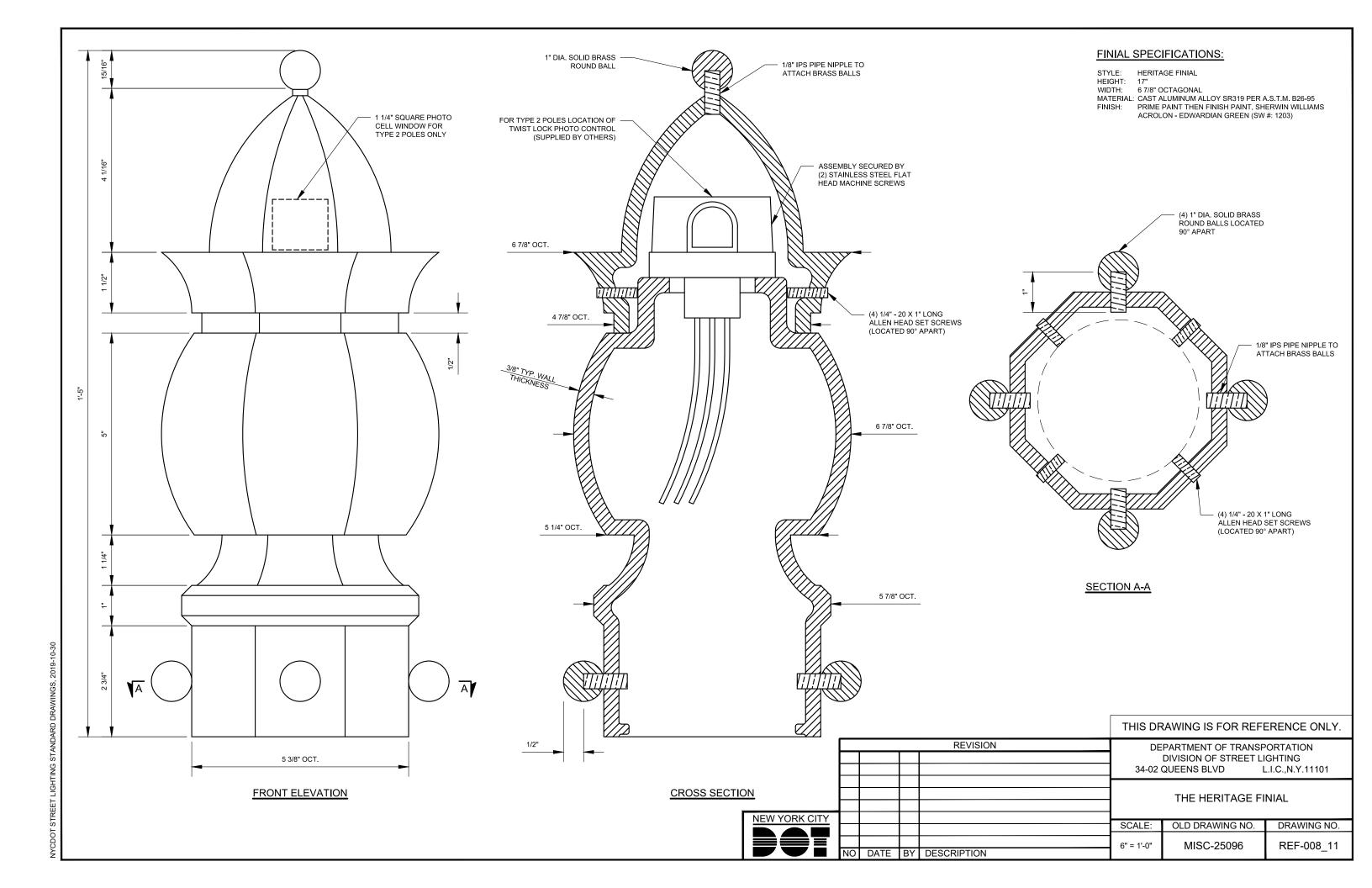
2" = 1'-0" FIX-25098 REF-008_6

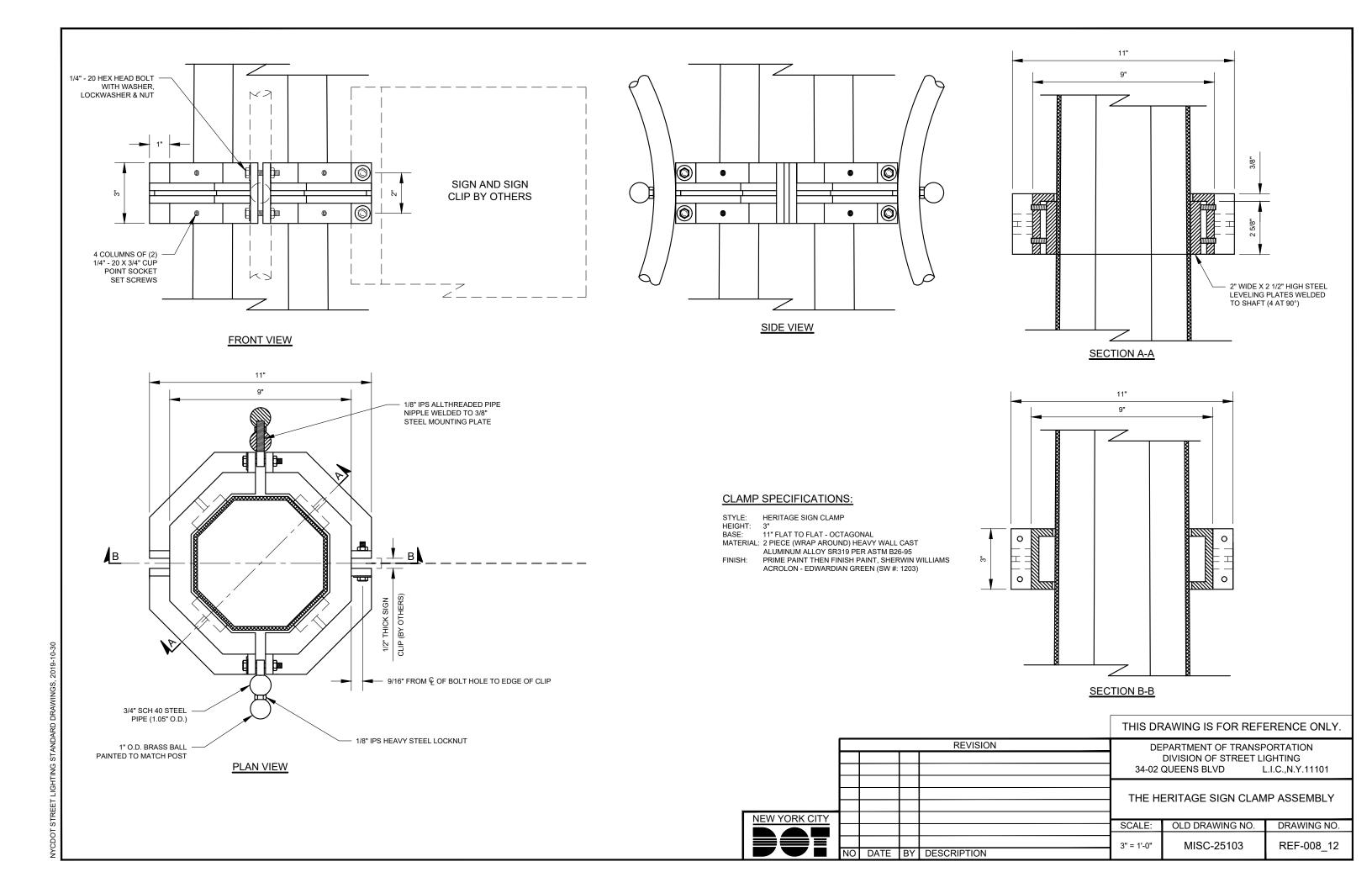


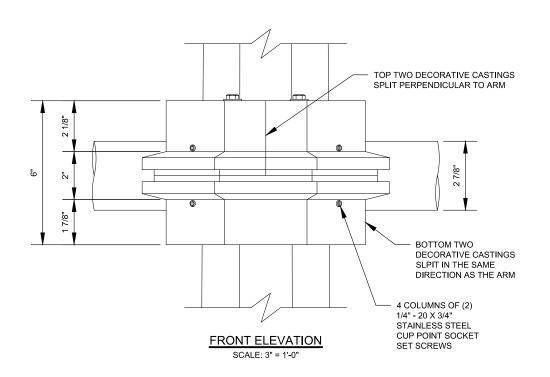


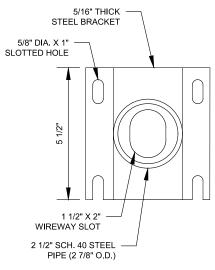












BRACKET DETAIL SCALE: 3" = 1'-0"

PLATE WELDED TO 4 1/4" STEEL SHAFT SHAFT AND PLATE WELDED TO IT ARE DRILLED AND TAPPED 2 3/4" CAST ALUMINUM FOR THE 1/2" - 13 BOLTS DECORATIVE TAIL 1/2" - 13 X 1 1/2" LONG STAINLESS STEEL HEX HEAD CAP SCREW 1/4" - 20 X 4" LONG STAINLESS STEEL HEX WITH FLAT WASHER HEAD BOLT WITH BRACKET WELDED TO 2 1/2" LOCKWASHER SCH. 40 STEEL PIPE 1" DIA. WIREWAY IN SHAFT (DRILLED BY SPRING CITY) CASTINGS DRILLED AND TAPPED FOR 1/4" - 20 BOLTS ALUMINUM TAIL TO -BE MECHANICALLY ATTACHED TO STEEL BRACKET SIDE VIEW SCALE: 3" = 1'-0"

1/8" IPS STEEL ALL -THREADED PIPE 2 1/2" SCH. 40 STEEL PIPE USED FOR UPPER CROSS ARM 7/32" THICK HEAVY STEEL NUT 1 1/2" DIA. SOLID BRASS BALL USED FOR UPPER CROSS ARM (2 REQUIRED 1" SCH. 40 STEEL PIPE USED FOR UPPER CROSS ARM PER CONNECTION) FINISH PAINTED TO MATCH POST

TYPICAL ARM TO SCROLL CONNECTION

SCALE: N.T.S.

CLAMP SPECIFICATIONS:

FOUR PIECE DECORATIVE SHROUD FOR HERITAGE ROADWAY ARM STYLE:

HEIGHT:

10 5/16" OCTAGONAL

MATERIAL: 4 PIECE, (BOLT TOGETHER) HEAVY WALL CAST

ALUMINUM ALLOY SR319 PER A.S.T.M. B26-95 FINISH:

PRIME PAINT THEN FINISH PAINT, SHERWIN WILLIAMS ACROLON - EDWARDIAN GREEN (SW #: 1203)

THIS DRAWING IS FOR REFERENCE ONLY.

DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101

CLAMP DETAIL FOR THE HERITAGE **ROADWAY CROSS ARM**

SCALE: OLD DRAWING NO. DRAWING NO.

AS NOTED MISC-25112 REF-008_13

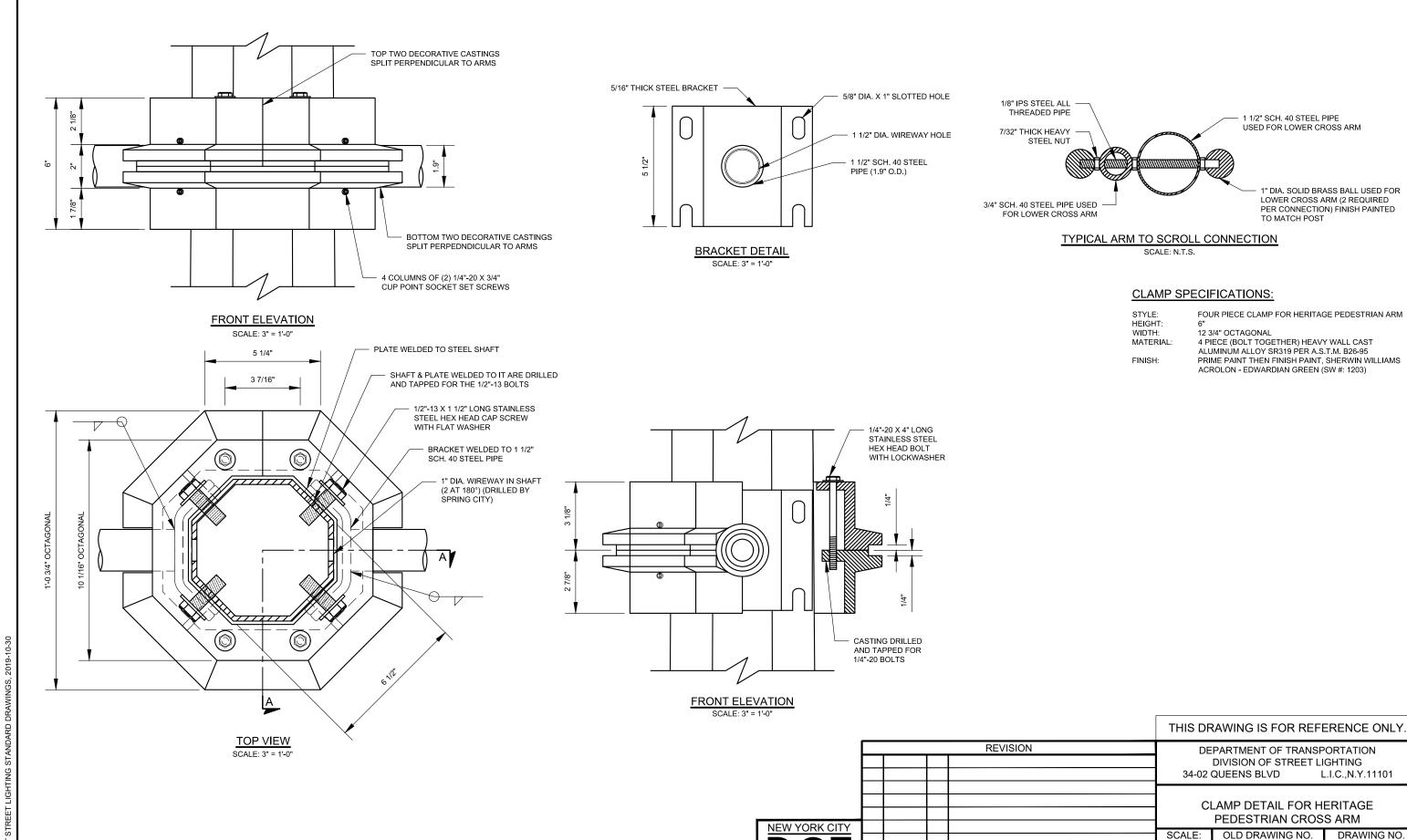
TOP VIEW SCALE: 3" = 1'-0"





REVISION

DATE BY DESCRIPTION



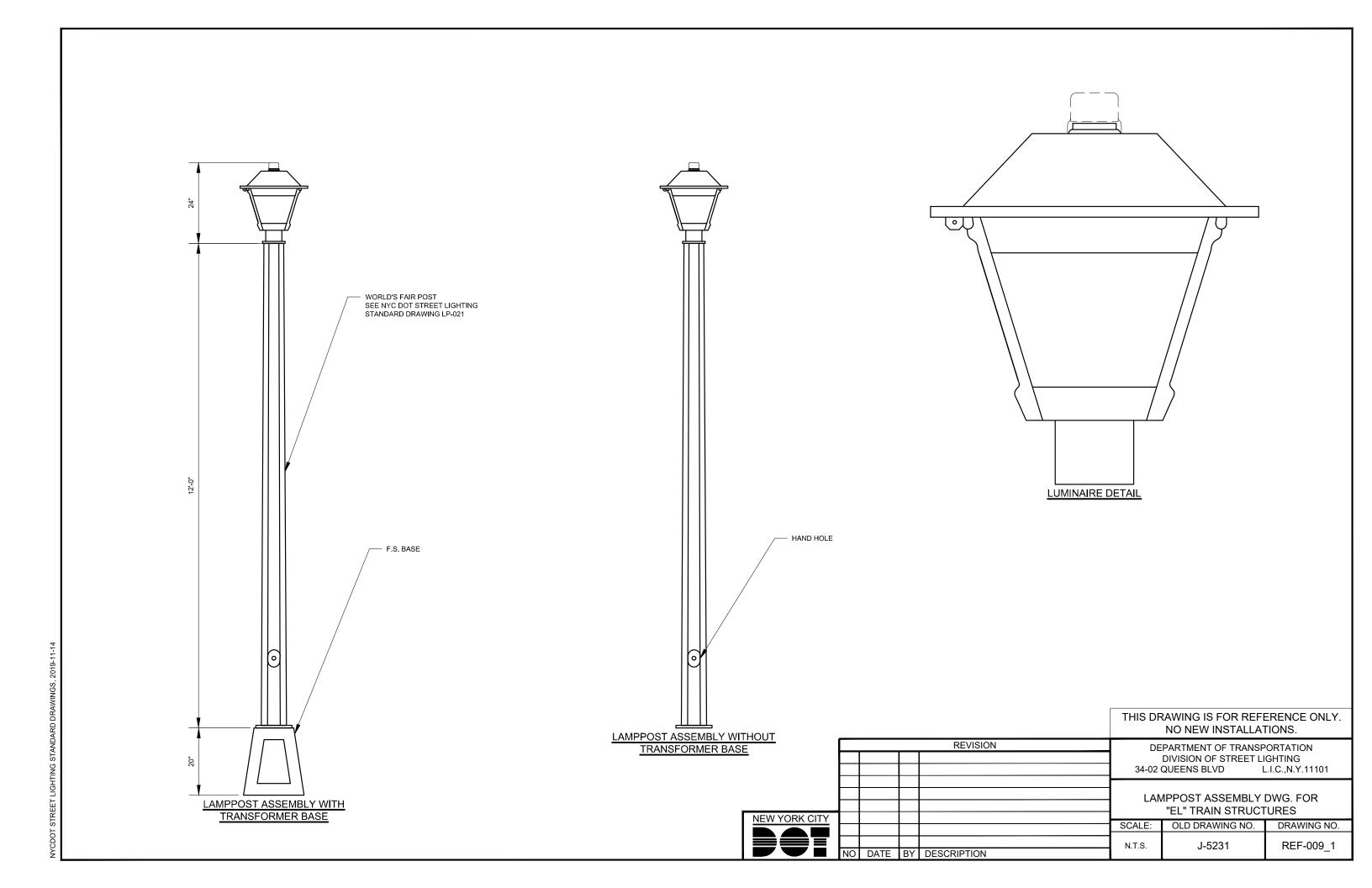
PEDESTRIAN CROSS ARM OLD DRAWING NO. DRAWING NO.

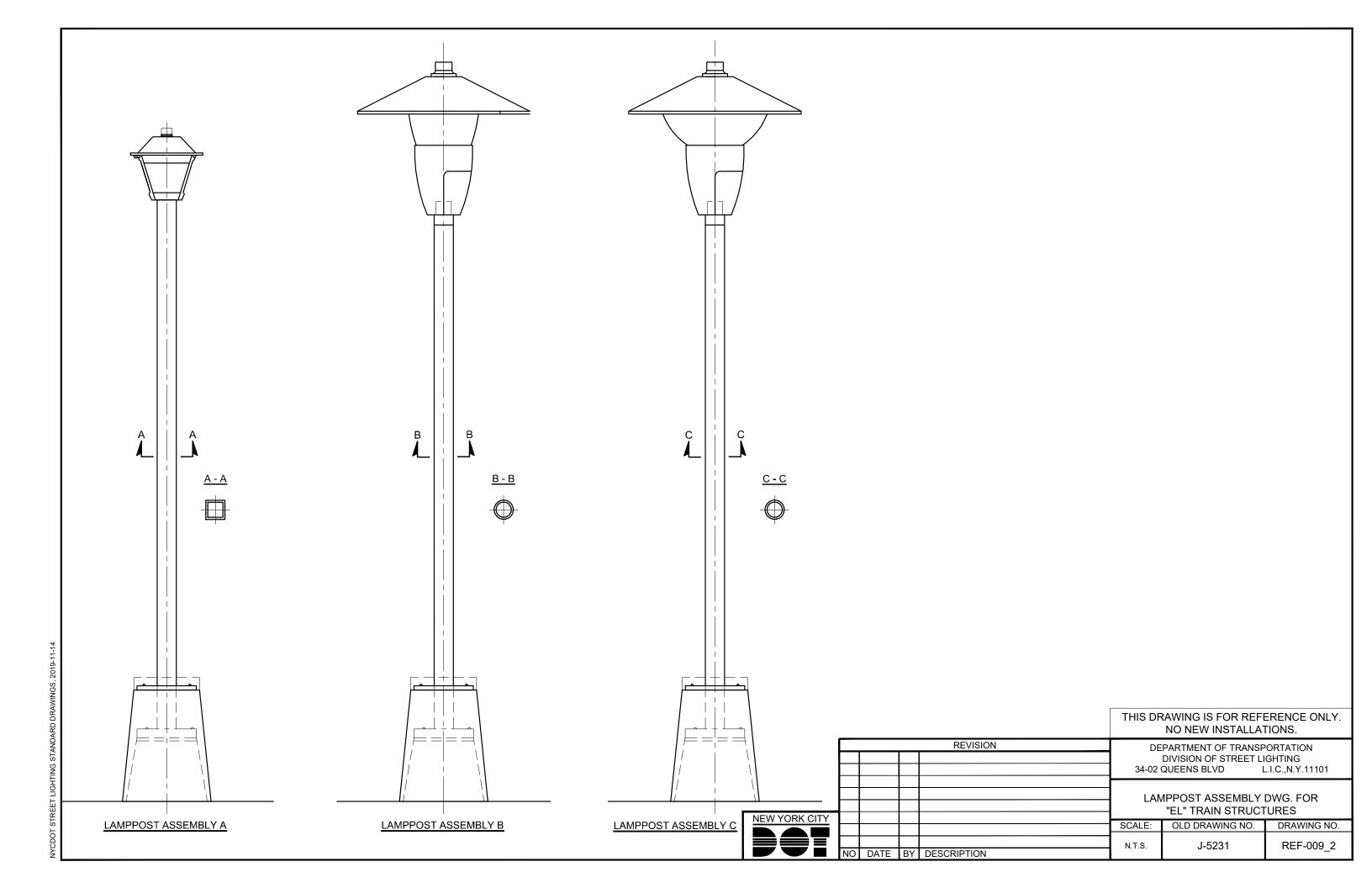
MISC-25114 AS NOTED

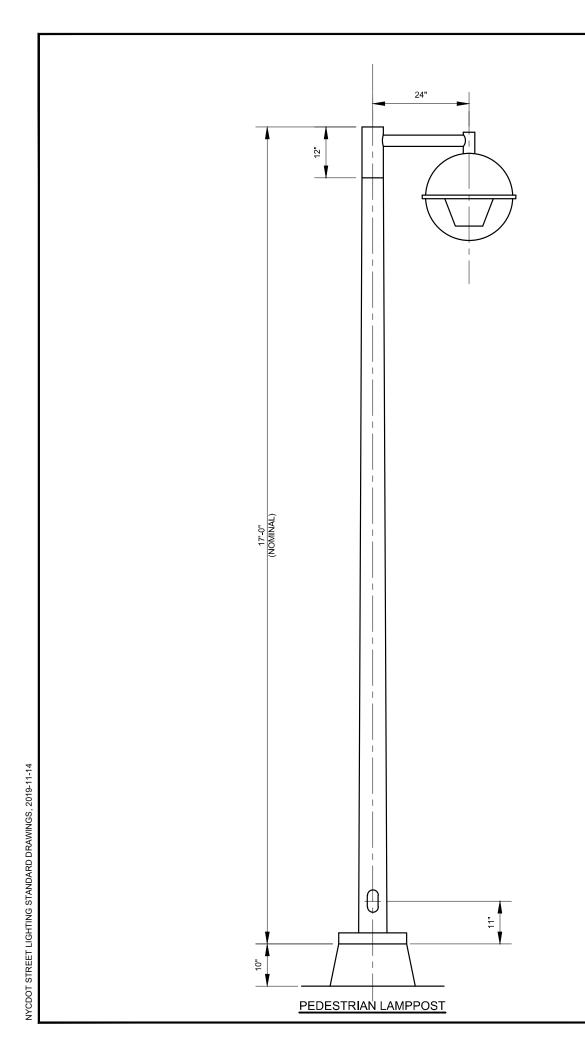
NO DATE BY DESCRIPTION

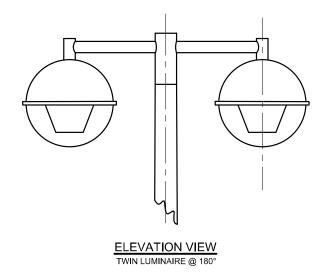
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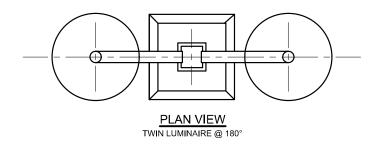
L.I.C., N.Y.11101













THIS DRAWING IS FOR REFERENCE ONLY. NO NEW INSTALLATIONS.

REVISION	DEPARTMENT OF TRANSPORTATION						
	DIVISION OF STREET LIGHTING						
	34-02 QUEENS BLVD L.I.C.,N.Y.11101						

"EL" TRAIN PEDESTRIAN LAMPPOST

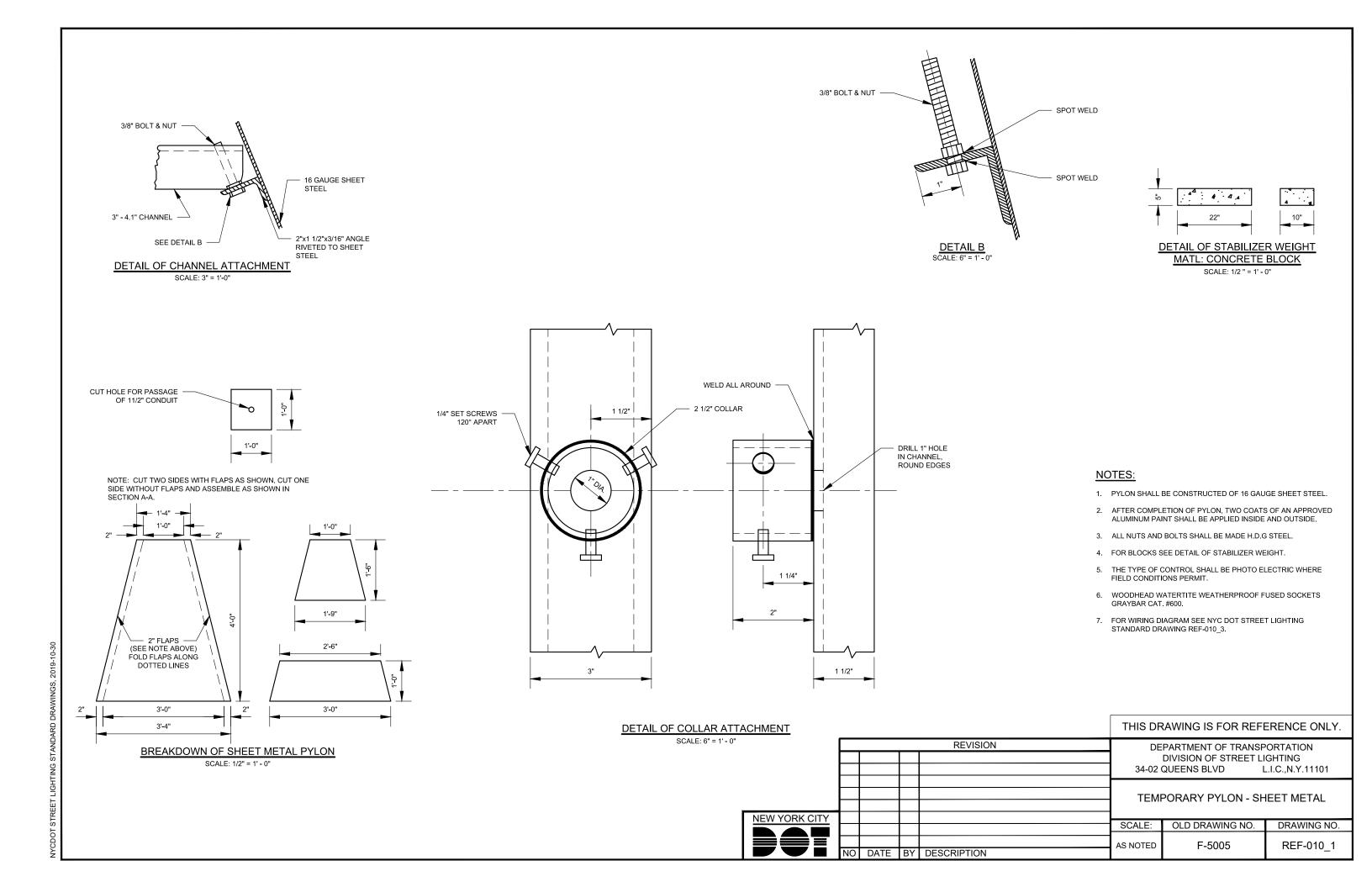
DRAWING NO.

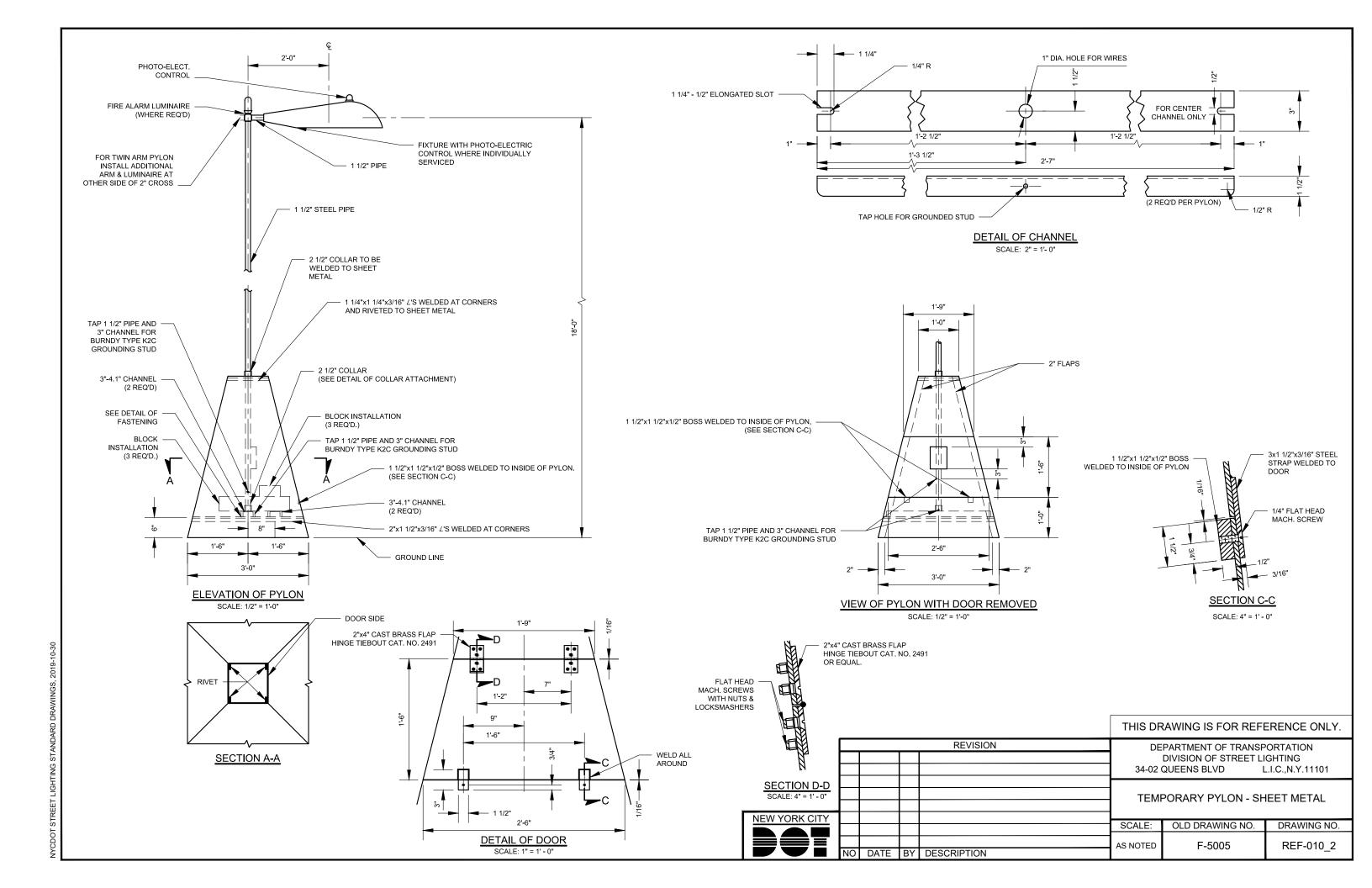
REF-009_3

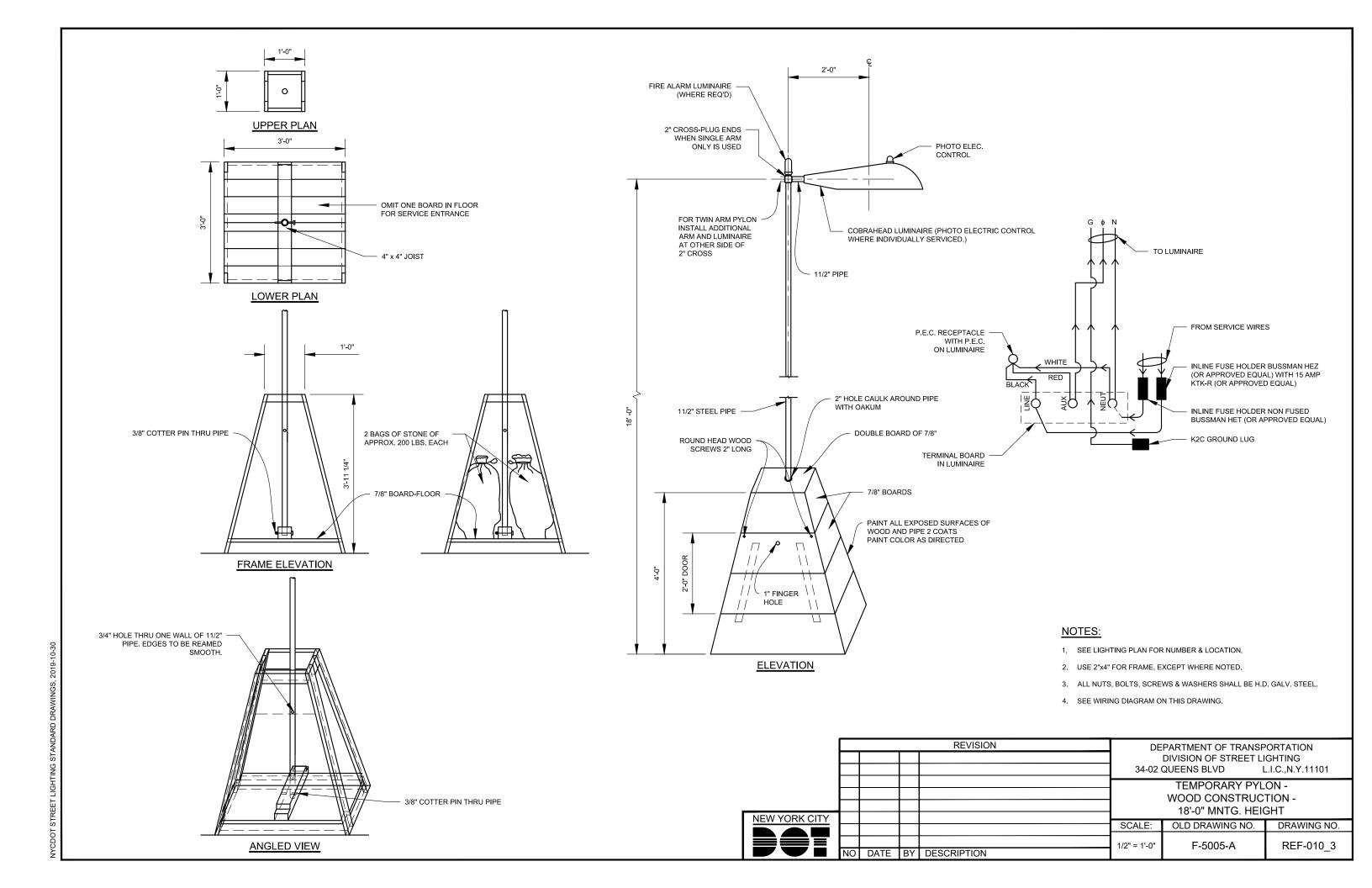
NEW YORK CITY

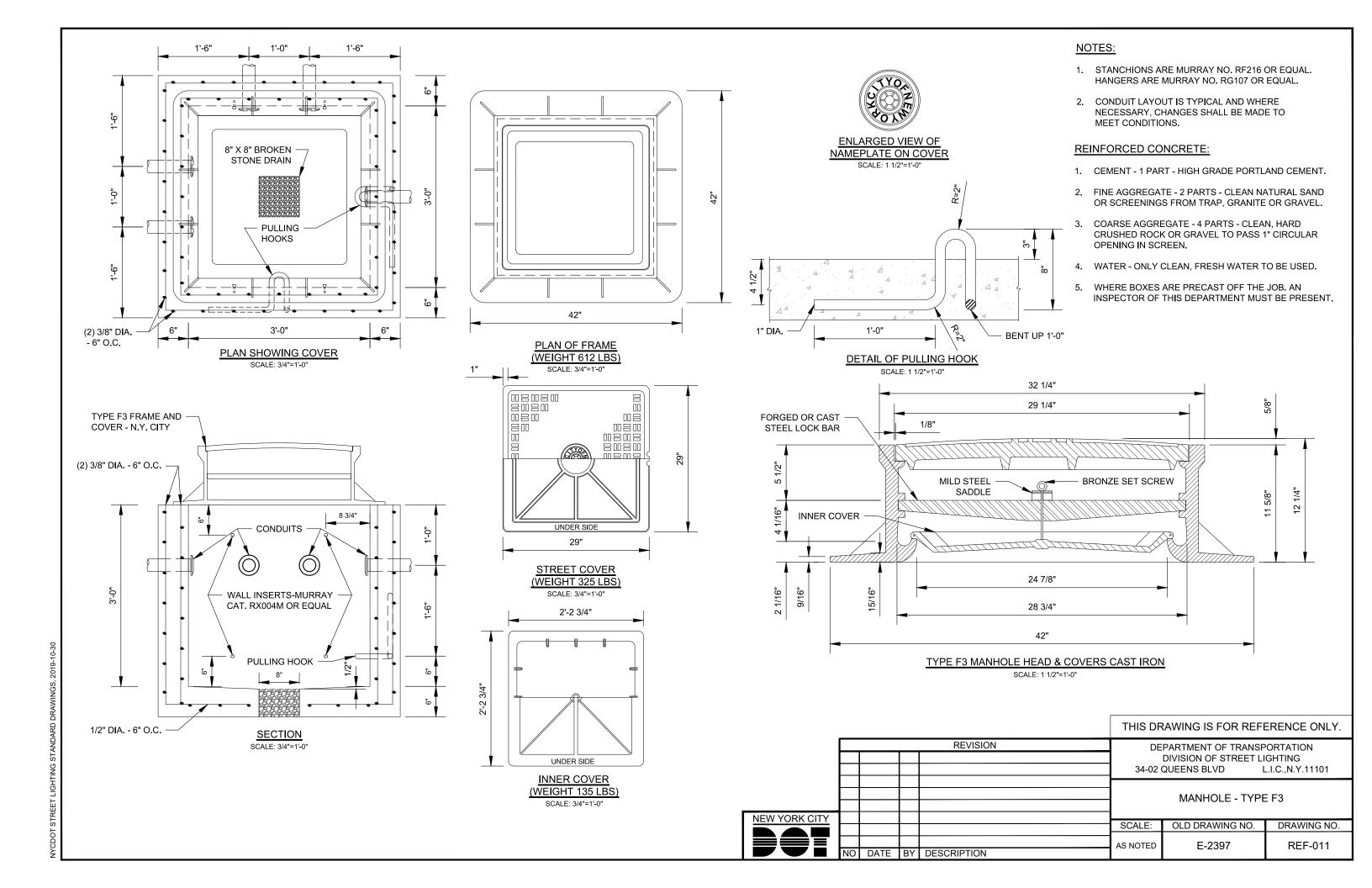
NO DATE BY DESC

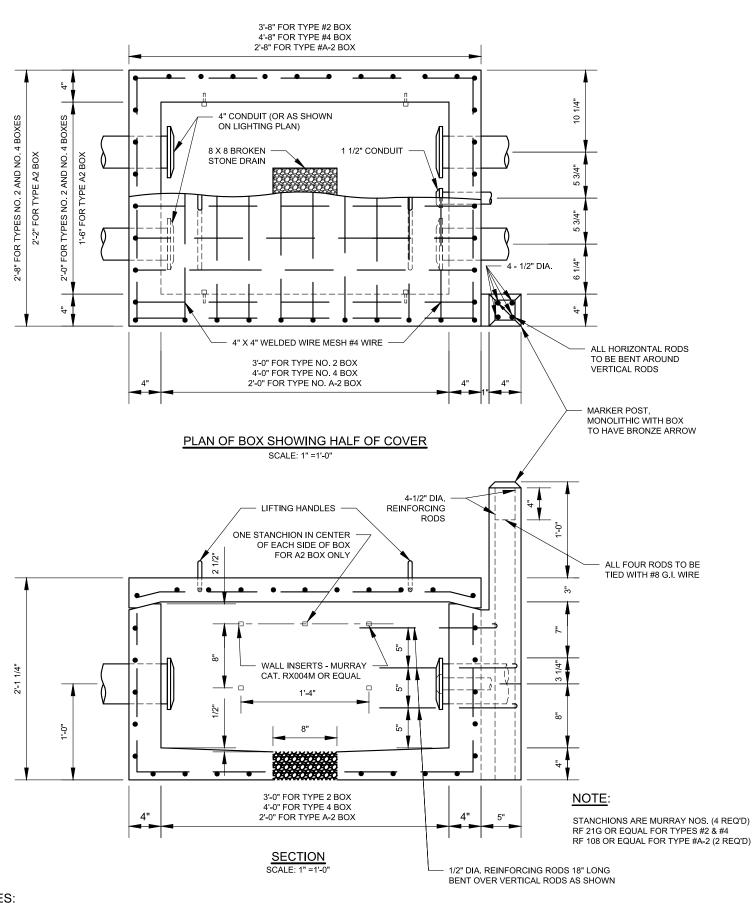
-				EL TRAIN PEDESTRIAN				
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_				N.T.S.	I 5024	Ī		
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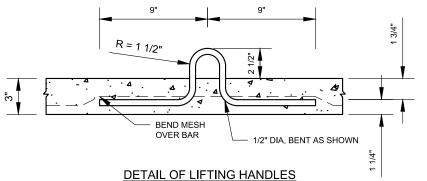








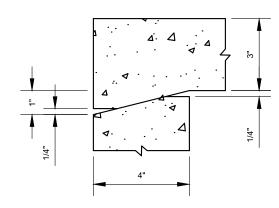




SCALE: 1-1/2" =1'-0"

NOTES:

- 1. FOR TYPES NO. 2 AND NO. 4 HANGERS ARE MURRAY NO. RG 107 (4 REQ'D) AND NO. RG 214 (4 REQ'D) OR EQUAL.
- 2. FOR TYPES #A-2 HANGERS ARE MURRAY NO. RG 107 (2 REQ'D) OR EQUAL.
- 3. A HANGER SHALL BE PROVIDED FOR EACH STANCHION



DETAIL OF COVER AT WALLS SCALE: 3" =1'-0"

DATE BY DESCRIPTION

NOTES:

- 1. CONCRETE SERVICE BOX: TYPE 2, TYPE 4 & TYPE A2
- 2. REINFORCED CONCRETE:
- 2.1. CEMENT 1 PART HIGH GRADE PORTLAND CEMENT.
- FINE AGGREGATE 2 PARTS CLEAN NATURAL SAND OR SCREENINGS FROM TRAP GRANITE OR GRAVEL.
- COARSE AGGREGATE 4 PARTS. CLEAN HARD CRUSHED ROCK OR GRAVEL TO PASS 1" CIRCULAR OPENING IN SCREEN.
- 2.4. WATER ONLY CLEAN, FRESH WATER TO BE USED.
- 3. WHERE BOXES ARE PRECAST OFF THE JOB, AN INSPECTOR OF THIS

THIS DRAWING IS FOR REFERENCE ONLY.

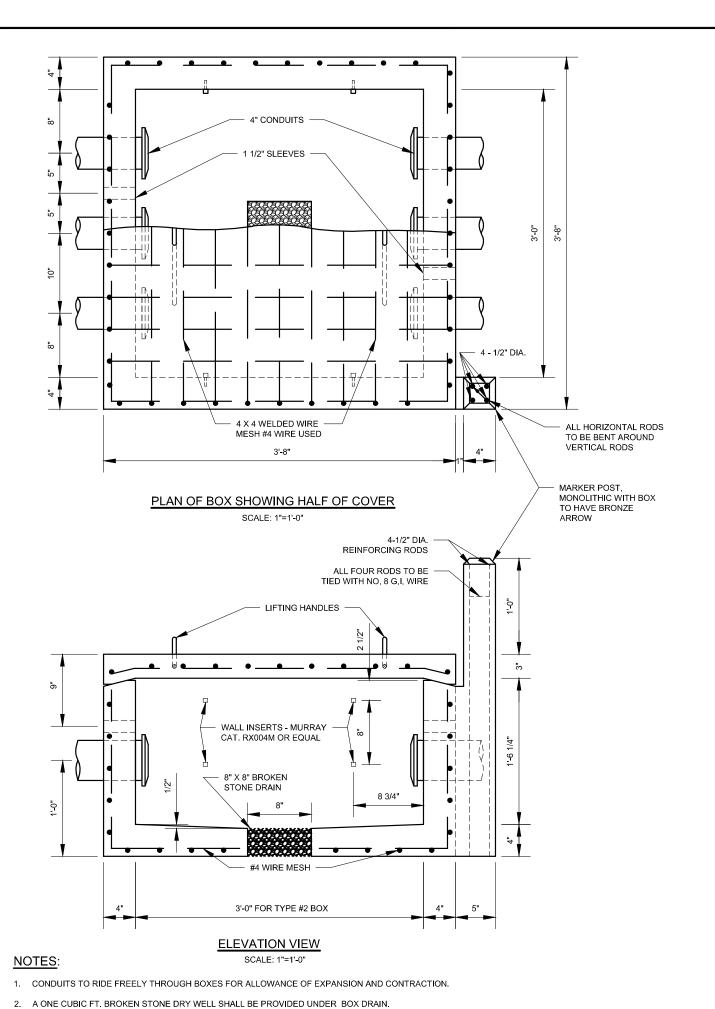
REVISION DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C., N.Y.11101 CONCRETE SERVICE BOX -TYPE 2, TYPE 4 AND TYPE A2 **NEW YORK CITY**

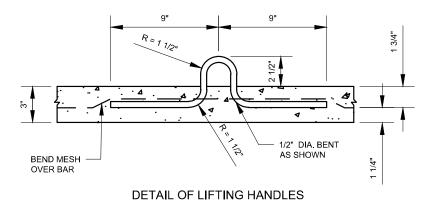
OLD DRAWING NO.

SCALE: DRAWING NO. E-2505 REF-012 AS NOTED

NOTES:

- CONDUITS TO RIDE FREELY THROUGH BOXES FOR ALLOWANCE OF EXPANSION AND CONTRACTION. MFRS. UNUSED KNOCKOUTS SHALL BE PLUGGED.
- 2. A ONE CUBIC FT. BROKEN STONE DRY WELL SHALL BE PROVIDED UNDER BOX DRAIN. DRY WELL SHALL BE INSTALLED BEFORE BOX IS INSTALLED. CONDUITS SHALL PROJECT INTO BOX BETWEEN 1-1/2" & 2".

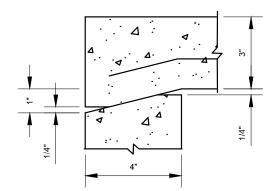




SCALE: 1-1/2" =1'-0"

NOTES:

- 1. STANCHIONS ARE MURRAY NO. RF-216 OR EQUAL (4 REQ'D)
- CONDUITS ARE SHOWN FOR STRAIGHT RUNS.
 WHERE DIRECTION CHANGES, PROVIDED
 NECESSARY SLEEVES ACCORDING TO
 DIRECTION REQUIRED
- 3. HANGERS ARE MURRAY NO. 107 (4 REQ'D) AND NO. RG 214 (4 REQ'D) OR EQUAL
- 4. A HANGER SHALL BE PROVIDED FOR EACH STANCHION ARM HOLE



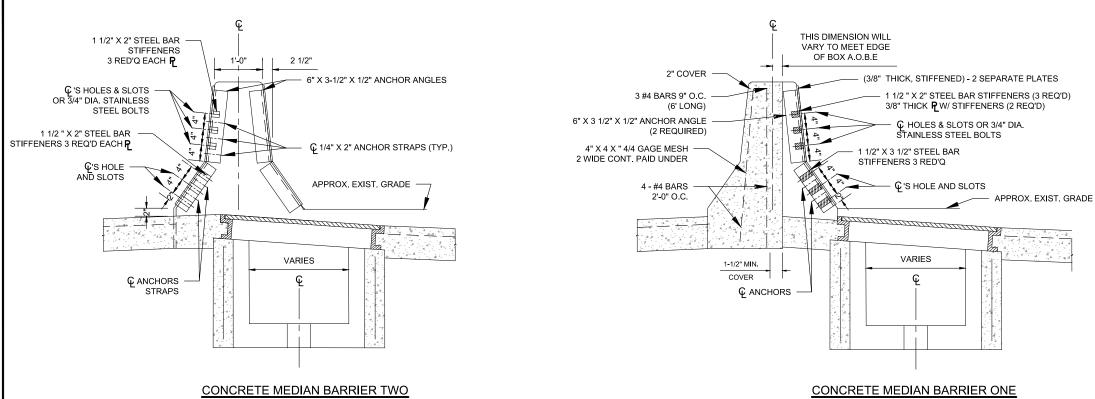
DETAIL OF COVER AT WALLS

SCALE: 3" =1'-0"

NOTES:

- 1. REINFORCED CONCRETE:
- 1.1. CEMENT 1 PART HIGH GRADE PORTLAND CEMENT.
- 1.2. FINE AGGREGATE 2 PARTS CLEAN NATURAL SAND OR SCREENINGS FROM TRAP GRANITE OR GRAVEL.
- 1.3. COARSE AGGREGATE 4 PARTS. CLEAN HARD CRUSHED ROCK OR GRAVEL TO PASS 1" CIRCULAR OPENING IN SCREEN.
- 1.4. WATER ONLY CLEAN FRESH WATER TO BE USED.
- 2. WHERE BOXES ARE PRECAST OFF THE JOB, AN INSPECTOR OF THIS DEPARTMENT MUST BE PRESENT

					THIS DRAWING IS FOR REFERENCE ONLY.		
	REVISION		DEPARTMENT OF TRANSPORTATION DIVISION OF STREET LIGHTING 34-02 QUEENS BLVD L.I.C.,N.Y.11101				
NEW YORK CITY			CONCRETE PULLBOX TYPE 3				
NEW YORK CITY					SCALE:	OLD DRAWING NO.	DRAWING NO.
	NO	DATE	BY	DESCRIPTION	AS NOTED	E-2506	REF-013

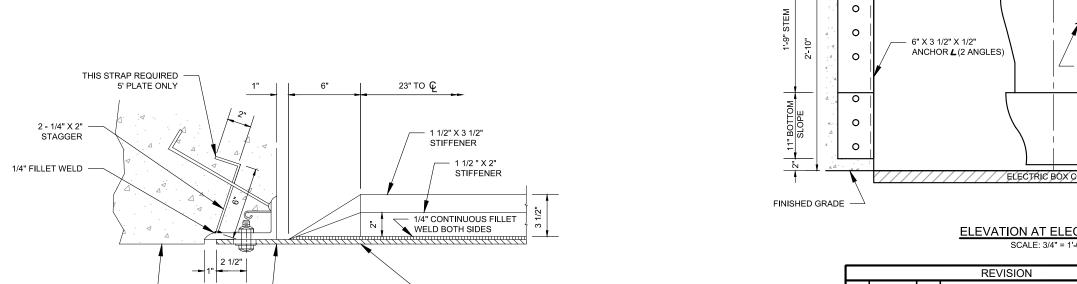


NOTES:

- 1. WHERE THE EXISTING BOXES ARE SO ALIGNED THAT A GAP OF MORE THAN 5' WOULD BE REQUIRED.
- A NEW BOX SHALL BE CONSTRUCTED WITH NEW CONDUIT AND CABLES.
- THE NEW BOX SHALL BE PLACED IN THE MEDIAN SHOULDER OUTSIDE THE BARRIER CURB UNLESS OTHERWISE INDICATED.
- 2. FOR RAISING MODIFICATION OF EXISTING BOXES SEE NYC DOT STREET LIGHTING STANDARD DRAWING BOX-006.

CONCRETE MEDIAN BARRIER ONE SIDE CLOSURE AT ELECTRIC BOX

SCALE: 1/2" = 1'-0" THE TWO SIDE CLOSURE DESIGN SHALL BE USED WHENEVER THE CENTERLINE OF THE CONCRETE BARRIER FALLS WITHIN THE SAME BOX COVER AS SHOWN IN THE ABOVE LEFT DETAIL. THE SINGLE PCLOSURE SYSTEM SHALL BE USED WHENEVER THE INTERIOR EDGE OF THE NEW ELECTRIC BOX COVER FALLS MORE THAN 7" INTO THE



3/8" STEEL PLATE

PARTIAL PLAN VIEW PLATE ANCHOR DETAIL SCALE: 1-1/2" = 1'-0"

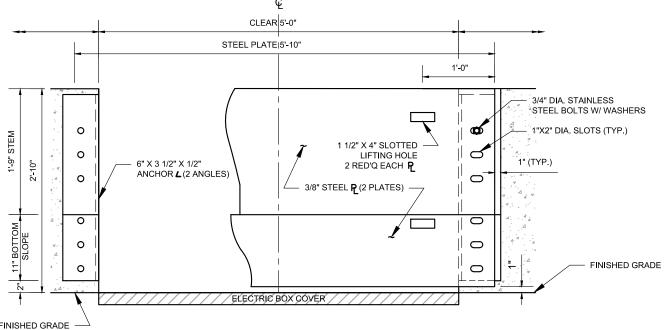
NOTE:

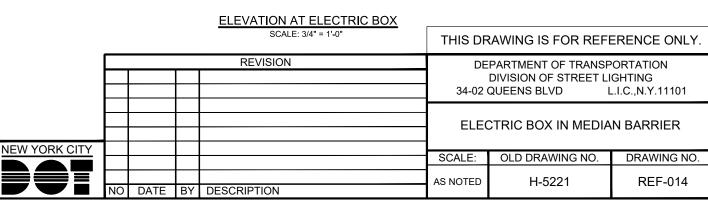
SIDE CLOSURE AT ELECTRIC BOX

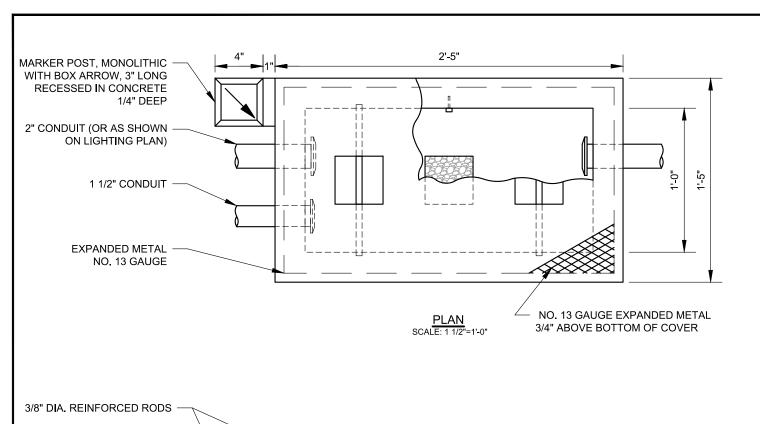
SCALE: 1/2" = 1'-0"

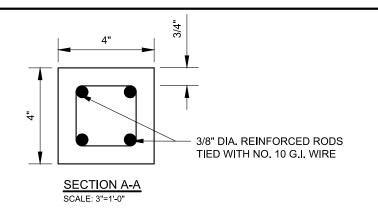
ALIGN OUTSIDE

STEEL PW/ CONCRETE (TYP.)

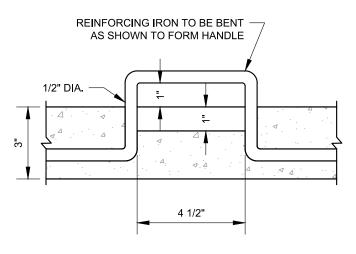








LIFTING HANDLES WALL 3/8" DIA. REINFORCED RODS INSERTS 18" LONG BENT OVER VERTICAL RODS AS SHOWN 1/2" 1'-0" 4" X 4" BROKEN STONE DRAIN 2 1/2" 2'-0" **SECTION** SCALE: 1 1/2"=1'-0"

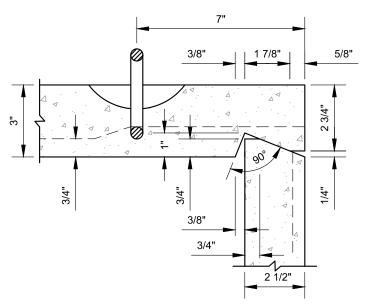


DETAILS OF LIFTING HANDLES

NO DATE BY DESCRIPTION

NOTES:

- 1. REINFORCED CONCRETE:
 - 1.1. CEMENT 1 PART HIGH GRADE PORTLAND CEMENT.
 - 1.2. FINE AGGREGATE 2 PARTS CLEAN NATURAL SAND OR SCREENINGS FROM TRAP GRANITE OR GRAVEL.
 - 1.3. COARSE AGGREGATE 4 PARTS. CLEAN HARD CRUSHED ROCK OR GRAVEL TO PASS 1" CIRCULAR OPENING IN SCREEN.
 - 1.4. WATER ONLY CLEAN FRESH WATER TO BE USED.
- WHERE BOXES ARE PRECAST OFF THE JOB AN INSPECTOR OF THIS DEPARTMENT MUST BE PRESENT.
- 3. STANCHIONS ARE MURRAY CAT. RF 216, OR EQUAL (2 REQ'D).
- 4. CONDUITS TO RIDE FREELY THROUGH BOXES TO ALLOW FOR EXPANSION AND CONTRACTION.
- 5. WALL INSERTS MURRAY CAT. RX004M OR EQUAL (2 REQ'D). HANGERS ARE MURRAY CAT. RG107 OR EQUAL (2 REQ'D).
- 6. A ONE CU. FT. BROKEN STONE DRY WALL SHALL BE PROVIDED UNDER BOX DRAIN.
- 7. A HANGER SHALL BE PROVIDED FOR EACH STANCHION ARM HOLE.
- MANUFACTURER'S UNUSED KNOCKOUTS SHALL BE PLUGGED.
 CONDUITS SHALL PROJECT INTO BOX BETWEEN 1 1/2" AND 2".
- 10. DRY WELL SHALL BE INSTALLED BEFORE BOX IS INSTALLED.



DETAILS OF COVER AT WALLS

D-2451-A

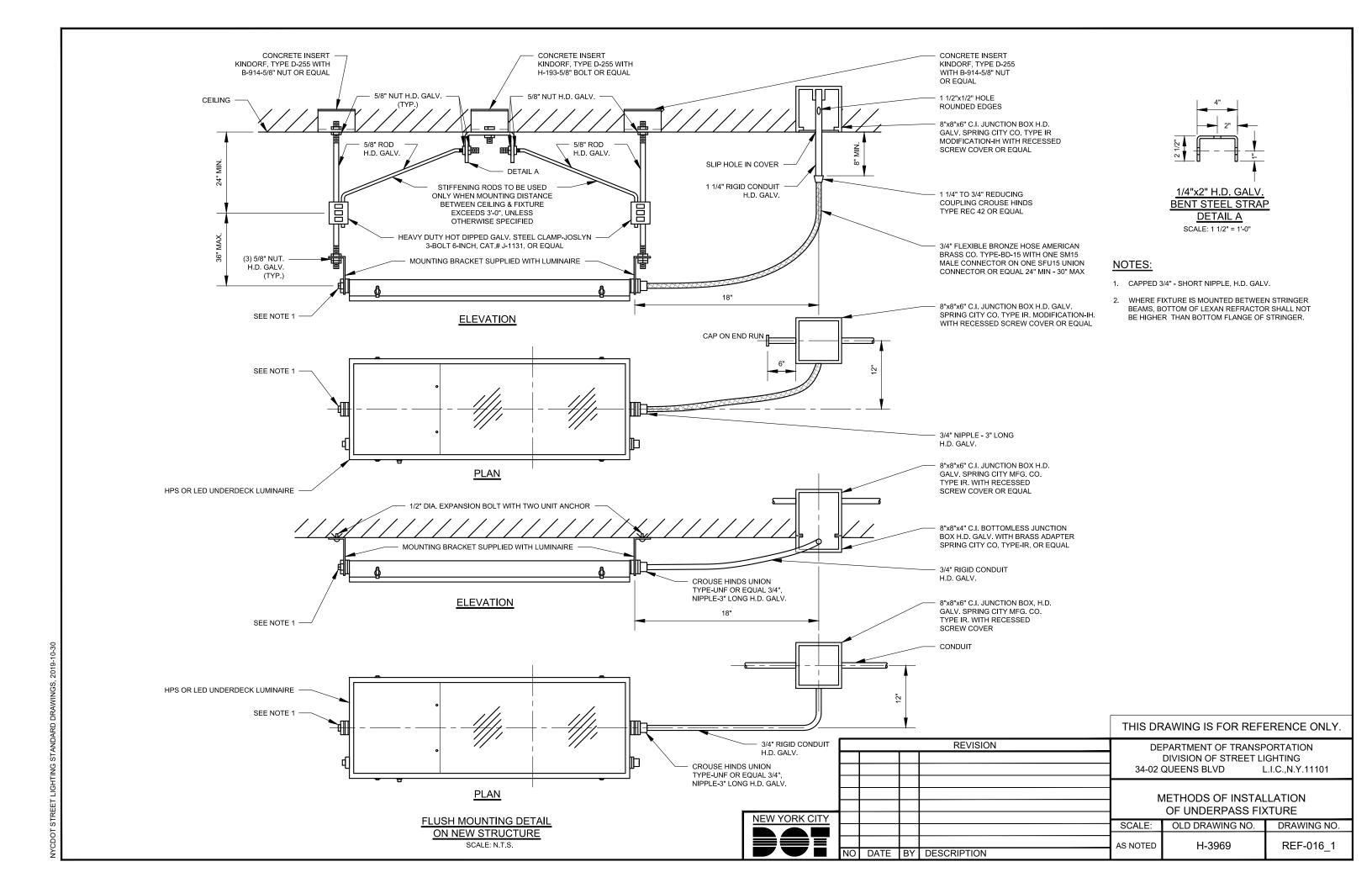
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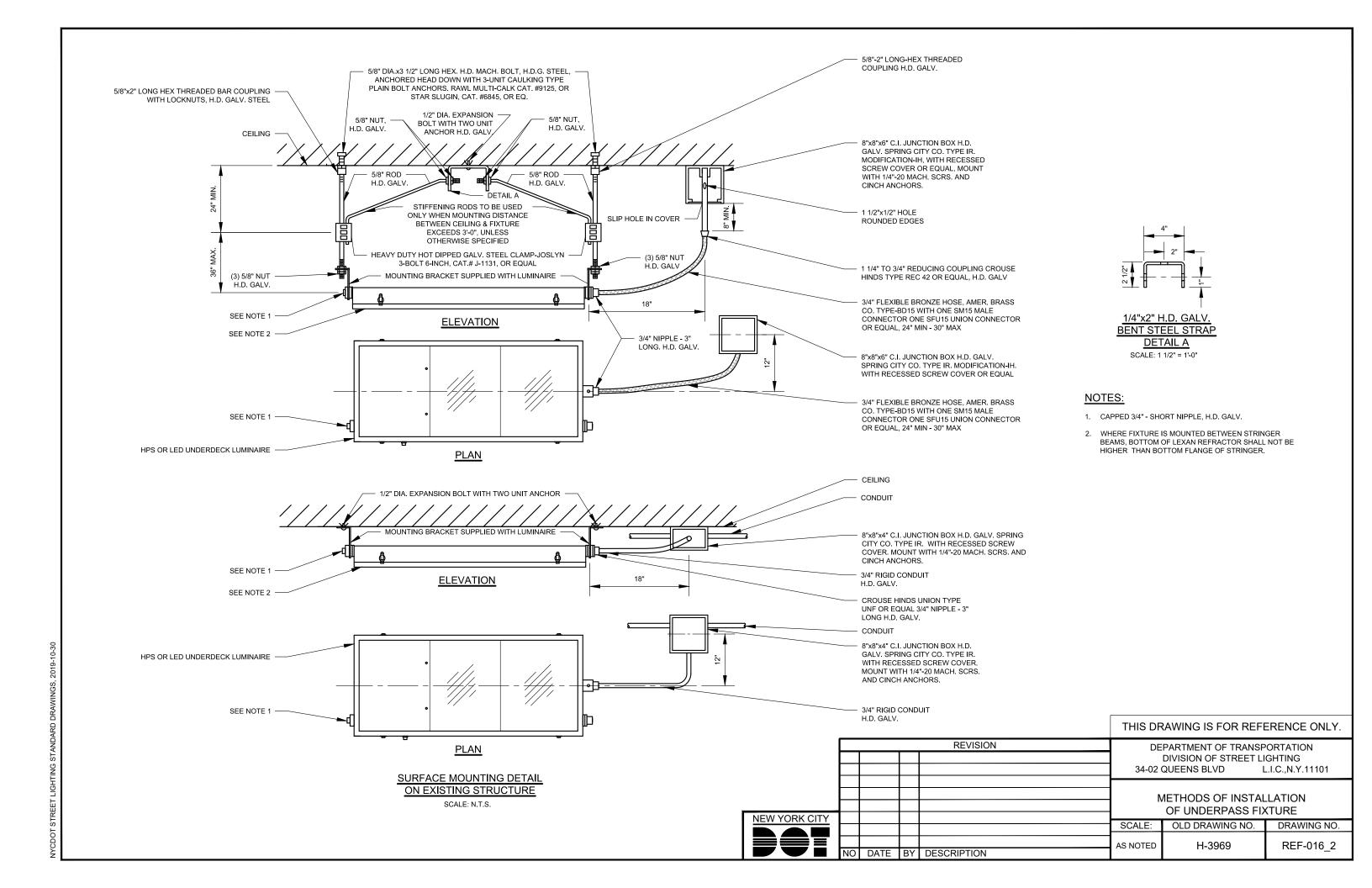
SCALE: 3"=1'-0"

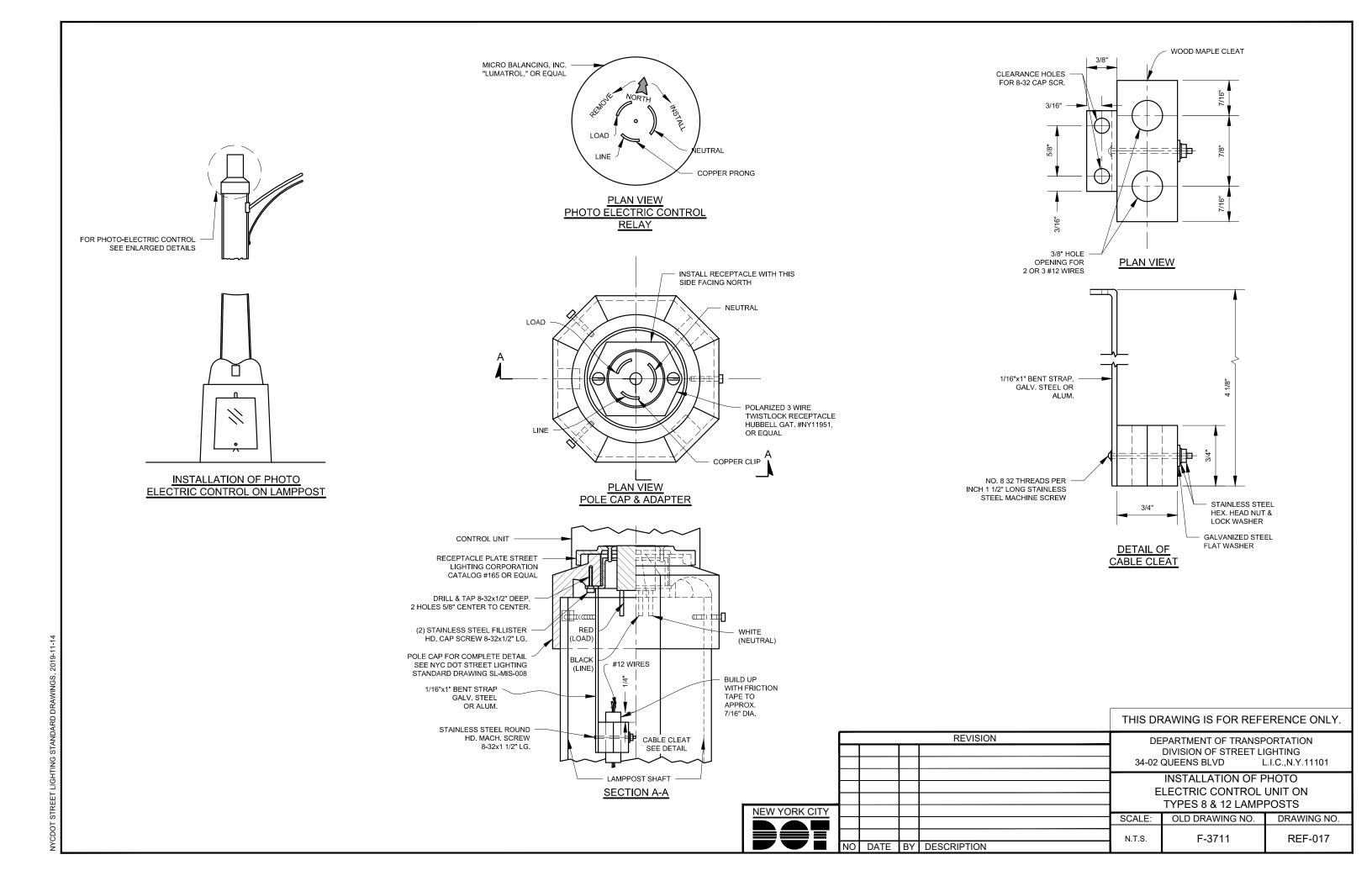
AS NOTED

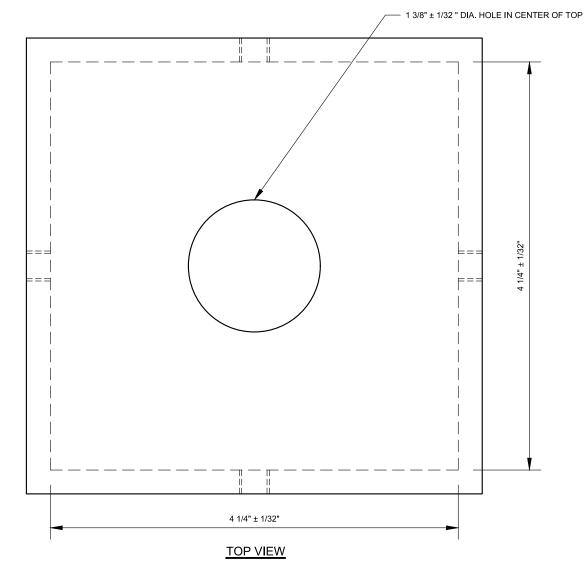
				THIS DF	RAWING IS FOR REF	ERENCE ONLY.
	REVISION				PARTMENT OF TRANSP DIVISION OF STREET LI QUEENS BLVD L	
				CONCRETE SERVICE BOX TYPE 1		
NEW YORK CITY				SCALE:	OLD DRAWING NO.	DRAWING NO.

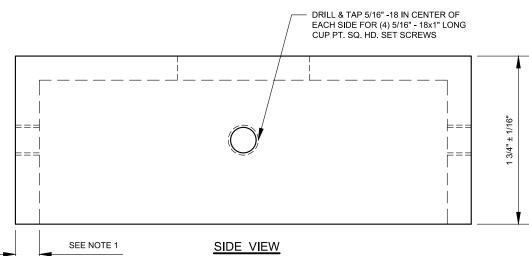
CDOT STREET LIGHTING STANDARD DRAWINGS, 2019-1

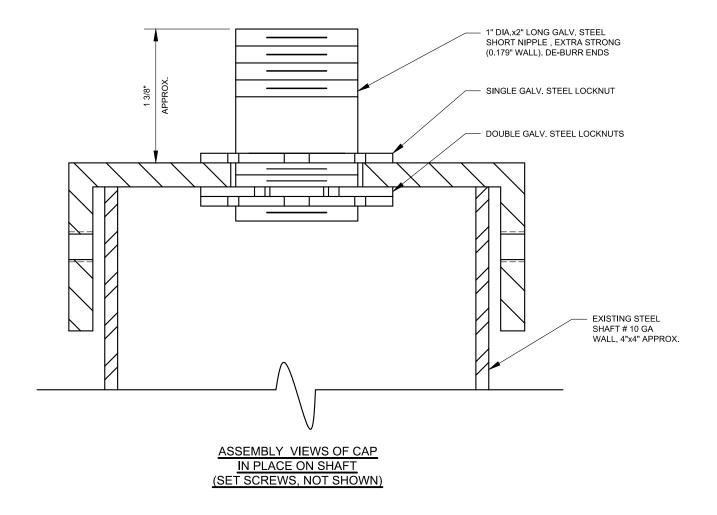












NOTES

- MATERIAL OF CAP SHALL BE EITHER STEEL OR ALUMINUM. WALL THICKNESS SHALL BE APPROX. 1/4" IF STEEL AND 3/8" IF ALUMINUM.
- 2. FABRICATION MAY BE BY CASTING, WELDING, STAMPING, EXTRUDING, ETC.
- 3. FINISH OF CAP SHALL BE ARCHITECTURAL BRONZE STANDARD, ARMORTHANE OR EQUAL.
- 4. SHORT NIPPLE AND LOCKNUTS SHALL BE INSTALLED IN CAP AS SHOWN.
- 5. SET SCREWS OR 18-8(304) STAINLESS STEEL SHALL BE FURNISHED IN PLACE.

