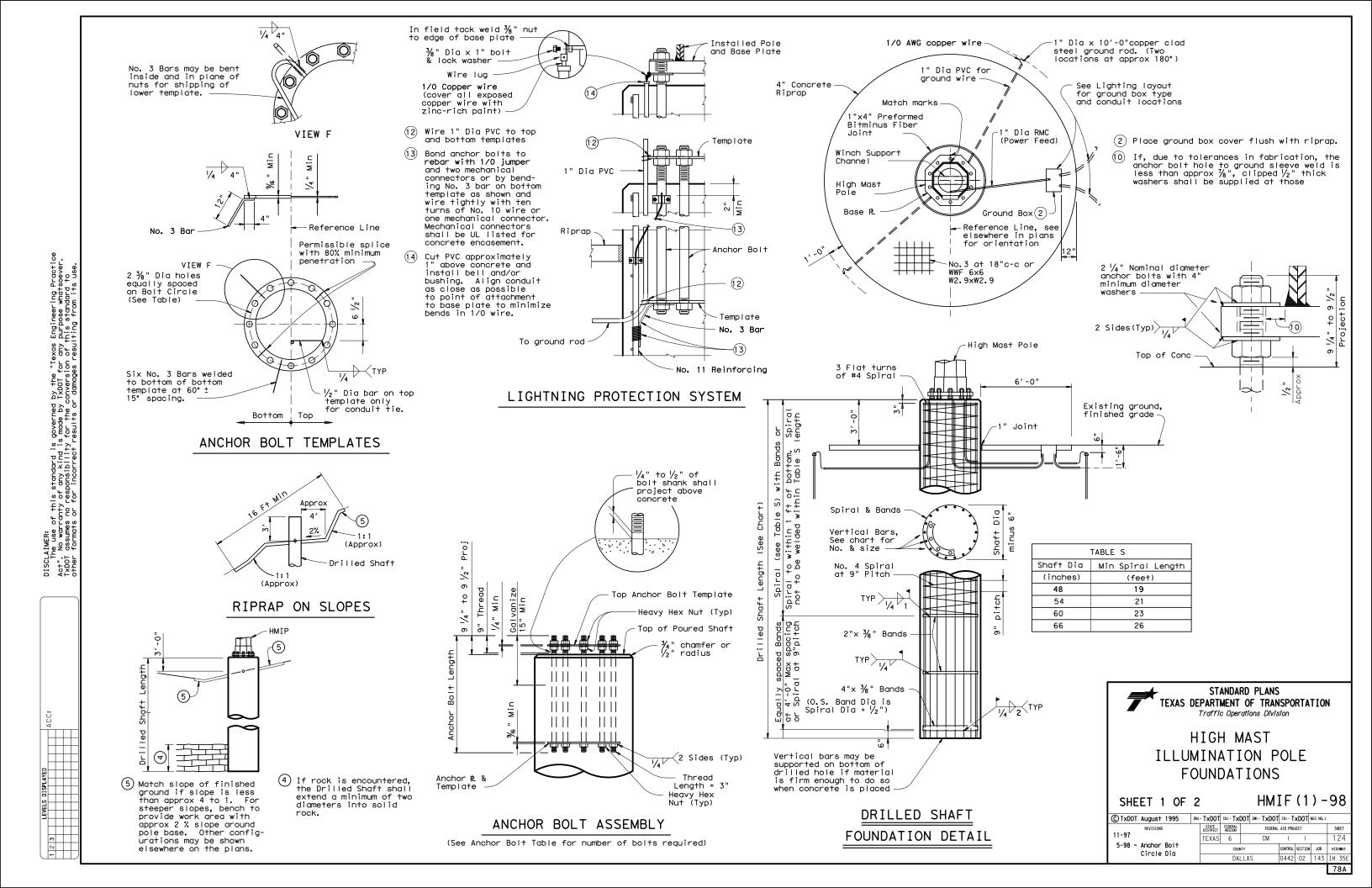
Texas Department of Transportation Book 2 - Technical Provisions

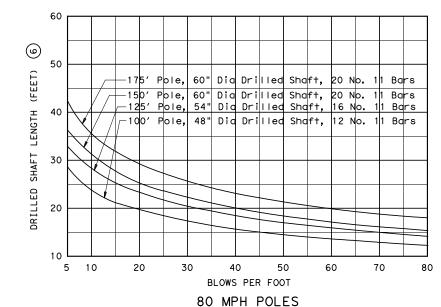
IH 35E Managed Lanes Project

Attachment 17-1

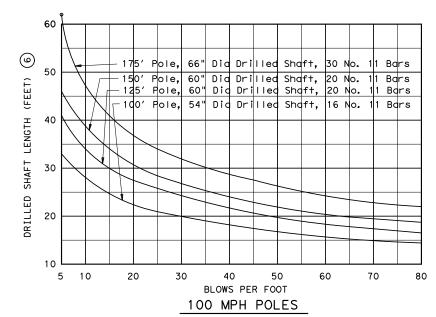
Tolling and ITS Exhibits



6 Includes normal 3 Ft exposure. Shafts with more than 3 Ft exposure must have additional length.



Do not extrapolate below 5 Blows/Ft. A special design will be required for soil less than 5 Blows/Ft.



Do not extrapolate below 5 Blows/Ft. A special design will be required for soil less than 5 Blows/Ft.

TEXAS CONE PENETROMETER TEST TABLES

NOTE: Use average "N" value over the top third of the embedded shaft. Ignore the top 2' of soil.

			ANCHO	OR BOL	T TABL	.E	
	Pole Height	Bolt Diameter	Bolt Length	Bolt Te	mplates I D	No. of Bolts	Bolt Cir Dia
	(feet)	(inches)	(feet)	(inches)	(inches)	~	(inches)
1			8	SIDED PO	DLE		
	175	2.25	4.83	45.5	36.5	16	41
DESIGNS	150	2.25	4.83	42.5	33.5	12	38
SIC	125	2.25	4.83	39.5	30.5	8	35
	100	2.25	4.83	35.5	26.5	6	31
MPH			12	SIDED F	OLE		
	175	2.25	4.83	48.5	39.5	12	44
8	150	2.25	4.83	45.5	36.5	10	41
	125	2.25	4.83	40.5	31.5	8	36
	100	2.25	4.83	36.5	27.5	6	32
			8	SIDED PO	DLE		
1	175	2.25	4.83	50.5	41.5	20	46
ω	150	2.25	4.83	47.5	38.5	16	43
<u>8</u>	125	2.25	4.83	43.5	34.5	12	39
DESIGNS	100	2.25	4.83	38.5	29.5	10	34
			12	2 SIDED F	POLE		
MPH	175	2.25	4.83	50.5	41.5	16	46
001	150	2.25	4.83	48.5	39.5	12	44
5	125	2.25	4.83	44.5	35.5	10	40
•	100	2.25	4.83	40.5	31.5	6	36

MISCELLANE	EOUS	QUANTITIES	5 -	ONE H	MIF
Shaft Diameter	(in)	7	48	54	60
Concrete Riprap	(CY)		2.33	2.44	2.56
Reinforcing	(Lbs)	8	94	99	103
Ground Box	(ea)		1	1	1
R O W Marker	(ea)	9	1	1	1

- See elsewhere on plans for length of Drilled Shaft required.
- For Contractors information only.
- 9 Designated elsewhere on plans if required.

GENERAL NOTES:

Unless otherwise noted, the welded steel bands may be replaced with spiral as shown on the foundation details.

Anchor bolts shall be placed in foundation so there are always two bolts on reference line.

Drilled shaft lengths as determined from the foundation design chart or other acceptable methods are to be as shown elsewhere on the plans.

ODSR may not be used for HMIF drilled shafts.

Concrete for drilled shafts shall be Class C.

Repair welded areas with zinc-rich paint.

All Anchor Bolts, Nuts and Washers shall be galvanized in accordance with Item 445,

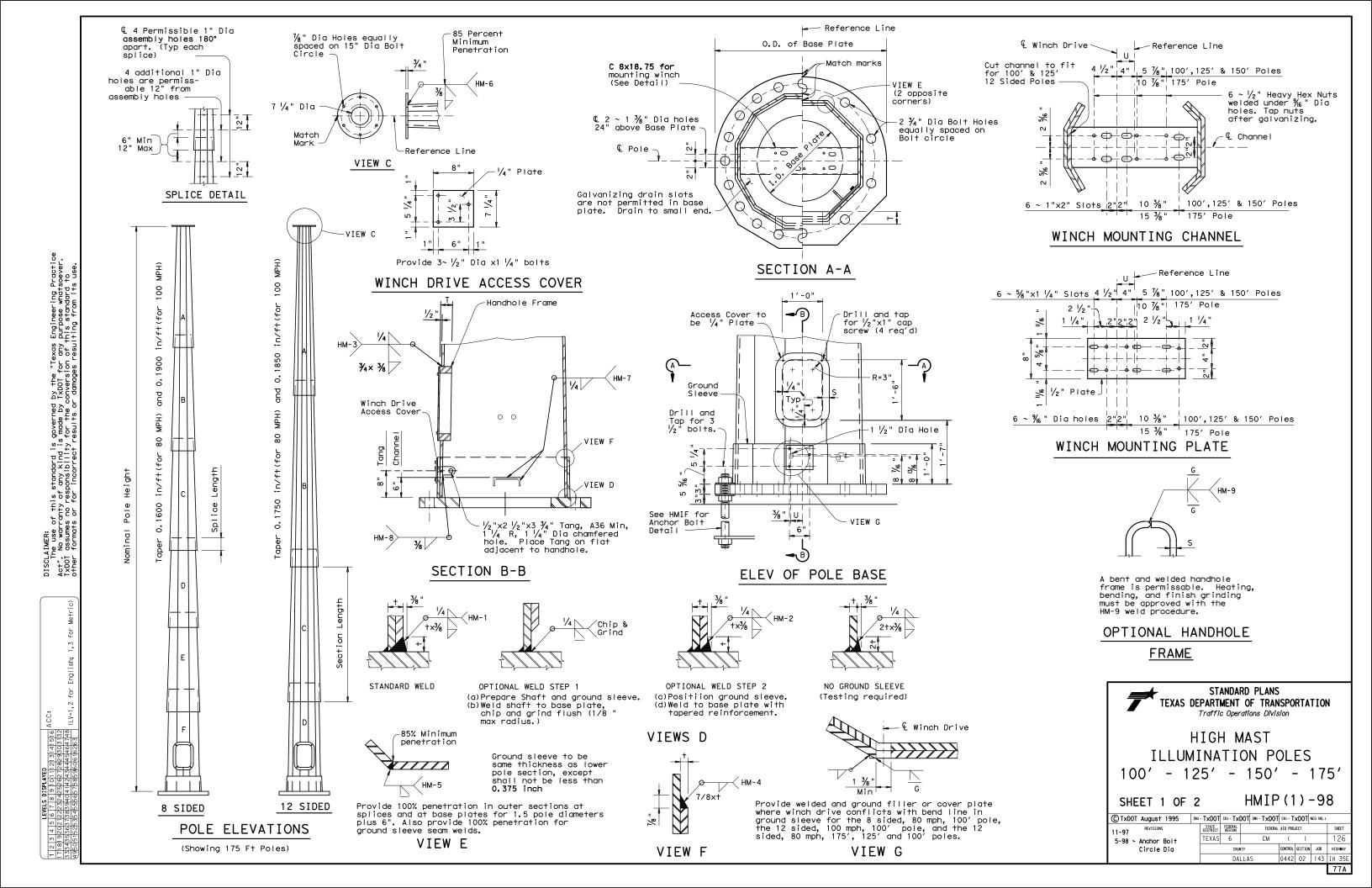


HIGH MAST ILLUMINATION POLE FOUNDATIONS

SHEET 2 OF 2

HMIF(2)-98

© TxDOT August 1995	DN: - TxDOT	ck: - TxD0	T DW: - TxDOT	ck: - T	×DOT 1	NEG NO.:	
REVISIONS	STATE DISTRICT	FEDERAL REGION	FEDERAL	AID PRO	JECT		SHEET
5-98 ~ Anchor Bolt	TEXAS	6	CM	()		125
Circle Dia		COUNTY		CONTROL	SECTION	JOB	HIGHWAY
		DALL	.AS	0442	02	143	IH 35



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2	23	39	55	
ဖ	22	38	54	
S	21	37	53	
4	20	43536373839404142434445464	051525354555657585960616263	
М	6	35	51	
~ .	00	4	0	

						AKTAB	LE POL	E DIME	N210N2)		
	8 SIDED POLE							12 SIDED POLE				
	H† (f†)	Section			Thickness (inches)	Length (feet)	Splice (inches)	Diameter Bottom	(Inches)	Thickness (inches)	Length (feet)	Splice (inches
	(117		Bottom	Тор					Тор			
ĪΙ		Α	13.083	7.750	.250	33.33	19	16.792	7.750	.250	51.67	24
		В	17.792	12.205	.375	34.92	25	24.858	15.817	.313	51.67	36
	175	С	22.250	16.583	.375	35.42	32	32.625	23.583	.313	51.67	48
		D	25.375	20.948	. 438	27.67	36	36.250	31.175	.375	29.00	~
		E	28.375	23.895	.500	28.00	41					
		F	31.250	26.703	.500	28.42	~					
		Α	13.083	7.750	. 250	33.33	19	16.792	7.750	.250	51.67	24
		В	17.792	12.205	.375	34.92	25	24.858	15.817	.313	51.67	36
	150	С	22.250	16.583	.375	35.42	32	32.625	23.583	.313	51.67	~
		D	25.375	20.948	. 438	27.67	36					
		Ε	28.375	23.895	.500	28.00	~					
		Α	13.083	7.750	. 250	33.33	19	16.792	7.750	.250	51.67	24
	105	В	17.792	12.205	.375	34.92	25	24.858	15.817	.313	51.67	36
	125	С	22.250	16.583	.375	35.67	32	28.250	23.583	.313	26.67	~
		D	25.375	20.948	. 438	27.67	~					
		Α	13.083	7.750	.250	33.33	19	16.792	7.750	.250	51.67	24
	100	В	17.792	12.205	.375	34.67	25	24.625	15.817	.313	50.33	~
↓I		C	22.250	16.583	. 375	35.67	~					
_			•	•			'		•	•		•
1		Α	14.208	7.875	.313	33.33	20	17.433	7.875	.375	51.67	25
		В	19.792	13.142	.375	35.00	28	25.747	16.173	. 438	51.75	37
	4	С	25.250	18.473	. 438	35.67	36	33.750	24.176	.438	51.75	49
	175	D	29.000	23.680	.500	28.00	42	37.375	31.995	.500	29.08	~
		Е	32.625	27.210	.563	28.50	47					
		F	36.125	30.631	.563	28.92	~					
		А	14.208	7.875	.313	33.33	20	17.433	7.875	.375	51.67	25
		В	19.792	13.142	.375	35.00	28	25.747	16.173	. 438	51.75	37
	150	C	25.250	18.473	. 438	35.67	36	33.750	24.176	. 438	51.75	~
		D	29.00	23.680	.500	28.00	42	1		<u> </u>		
		E	32.625	27.210	.563	28.50						
		Α	14.208	7.785	.313	33.33	20	17.433	7.875	.375	51.67	25
		В	19.792	13.142	.375	35.00	28	25.747	16.173	.438	51.75	37
	125	C	25.250	18.473	.438	35.67	36	29.125	24.176	,438	26.75	~
		D	29.00	23.680	.500	28.00	~	23.123	27.110	, , , , , ,	20.13	-
ı		D	14.208	7,875	.313	33.33	20	17.433	7.875	.375	51.67	25
	100			-				25.500	16.173	.375	50.42	~
- 1	100	В	19.792	13.142	.375	35.00	28	25.500	10.173	.315	30.42	<u> </u>

Diameters are measured across the flats.

25.250 18.473 .438 35.67

	TABLE OF VARIABLE BASE DIMENSIONS										
	H† (f†)	O.D. (inches)	I.D. (inches)	Bolt Cir (inches)	No. Bolts	S (inches)	T (inches)	U (inches)			
				8 SIDE	D POLE						
1	175′	47	22	41	16	2.00	3.75	4.50			
DESIGNS	150′	44	18	38	12	2.00	4.00	3.50			
SI(125′	41	16	35	8	2.00	4.50	3.50			
핌	100′	37	14	31	6	2.00	5.00	3.50			
MPH H				12 SIC	ED POLE						
	175′	50	24	44	12	1.75	3.50	3.50			
8	150′	47	22	41	10	1.75	3.50	2.50			
	125′	42	18	36	8	1.75	3.75	2.50			
1	100′	38	13	32	6	1.75	4.00	2.50			
_				8 SIDE	D POLE						
1	175′	52	27	46	20	1.75	3.50	4.50			
δ	150′	49	23	43	16	1.75	4.00	3.50			
ģ	125′	45	21	39	12	1.75	4.50	3.50			
DESIGNS	100′	40	17	34	10	1.75	4.50	3.50			
				12 SI	DED POLE						
₽ T	175′	52	27	46	16	1.75	3.25	3.50			
8	150′	50	25	44	12	1.75	3.50	2.50			
=	125′	46	22	40	10	1.75	3.75	2.50			
1	100′	42	19	36	6	1.75	4.00	2.50			

NOTE: Base Plate may be round or with 8 or 12 equal segments matching the pole.

GENERAL NOTES:

Design conforms to AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaries, and Traffic Signals and Interim Revisions thereto. The Design Wind Speed is 80 mph or 100 mph.

The required design height and wind speed shall be as shown elsewhere in the plans.

Each pole section, top flange plate and base plate shall be permanently marked on the reference line. The required mark locations are shown on the baseplate, top plate, and foundation plan details. These marks shall be used in pole assembly and erection alignment. The reference line and anchor bolt orientation shall be parallel to roadway centerline unless otherwise shown on Lighting Layouts. Layouts.



HIGH MAST ILLUMINATION POLES 100' - 125' - 150' - 175'

SHEET 2 OF 2

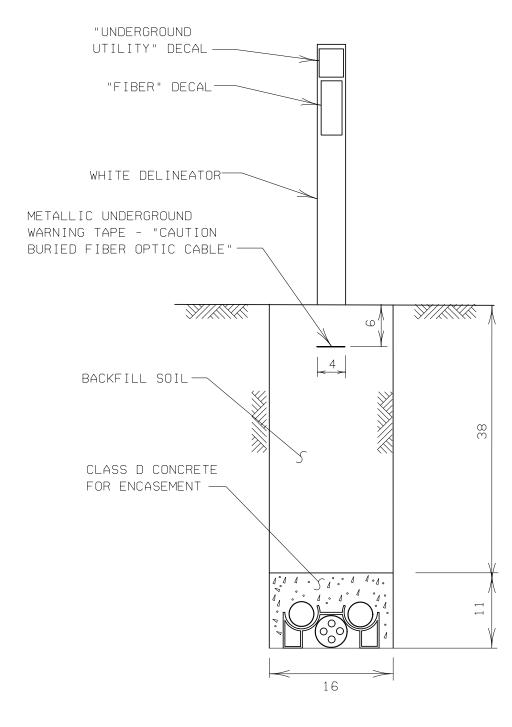
HMIP(2)-98

CTxDOT August 1995	DN: - TxDO	CK: - TX	OOT DW: - TXDOT	ск: - Т	×DOT 1	NEG NO.:	
REVISIONS	STATE DISTRICT	FEDERAL REGION	FEDERAL	AID PRO	ECT		SHEET
5-98 ~ Anchor Bolt	TEXAS	6	CM ()			127	
Circle Dia		COUNTY			SECTION	JOB	HIGHWAY
		DAL	LAS	0442	02	143	IH 35E

1 2 3 4 5 6 7

TYPICAL CONDUIT CROSS SECTION

2 - 3 IN. PVC AND 1 - 4 IN. PVC MULTIDUCT (CONCRETE ENCASED), AND



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



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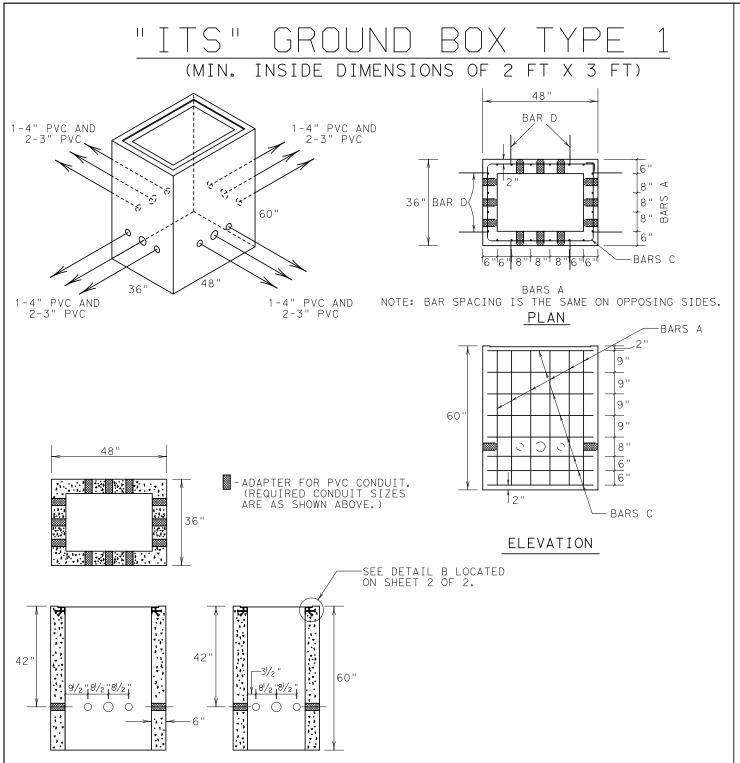
,P.E.
Signature of Registrant & Date



"ITS" MISCELLANEOUS ITEMS SHEET

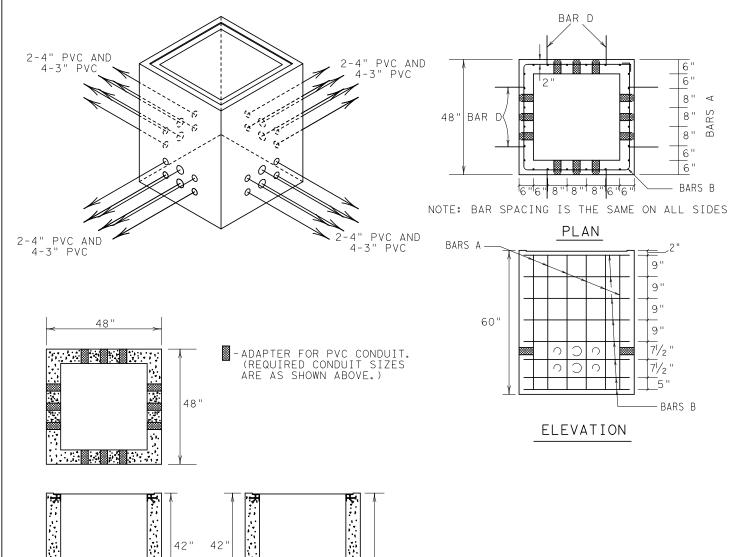
SHEET 2 OF 2

DESIGN	FED.RD. DIV.NO.	FEDER	FEDERAL AID PROJECT NO.				
DK/LMT GRAPHICS	6	СМ	()	IH 35E			
DK	STATE	DISTRICT	COUNTY	SHEET NO.			
CHECK RNG	TEXAS	DALLAS	DALLAS	4 4 0			
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"ITS" GROUND BOX TYPE 2

(MIN. INSIDE DIMENSIONS OF 3 FT X 3 FT)



60"

NOTES:

- 1. CONCRETE FOR "ITS" GROUND BOXES SHALL BE CLASS A.
- 2. ADAPTERS FOR THE PVC CONDUITS ARE PLACED SYMETRICALLY ABOUT THE CENTERLINE OF THE BOX AT THE DEPTHS SHOWN, UNLESS OTHERWISE NOTED.
- 3. ADAPTERS SHALL BE APPROPRIATELY SIZED FOR THE CONDUITS INDICATED ON THIS DRAWING. THE ADAPTERS SHALL PROVIDE AN AIR TIGHT AND WATER TIGHT CONNECTION.

0 0 0

0 0 0

- 4. "ITS" GROUND BOX BOTTOMS SHALL BE LEFT OPEN.
- 5. ALL "ITS" GROUND BOXES SHALL BE PROVIDED WITH A SECURABLE, TAMPER-PROOF LID. SEE "ITS" GROUND BOX LID DETAIL.
- 6. ALL "ITS" GROUND BOXES ARE TO BE INSTALLED ON A 24-INCH BASE OF CRUSHED STONE WHICH EXTENDS 6 INCHES IN ALL DIRECTIONS FROM THE PERIMETER OF THE BOX.

 THE CRUSHED STONE WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO ITEM 624, GROUND BOXES.
- 7. SEE SHEET 2 OF 2 FOR BAR BENDING DETAILS AND FOR REINFORCING STEEL AND CONCRETE CHART.
- 8. FOR GROUND BOX APRON DETAIL SEE STANDARD SHEET ED (3)-03.
- 9, STEEL COVERS SHALL BE GROUNDED AS DESCRIBED IN THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.
- 10. FOR DETAILS OF THE TYPE D GROUND BOX SEE STANDARD SHEET ED(3)-03.
- 11. ADAPTERS THAT DO NOT HAVE CONDUITS ATTACHED SHALL BE CAPPED AND SEALED.



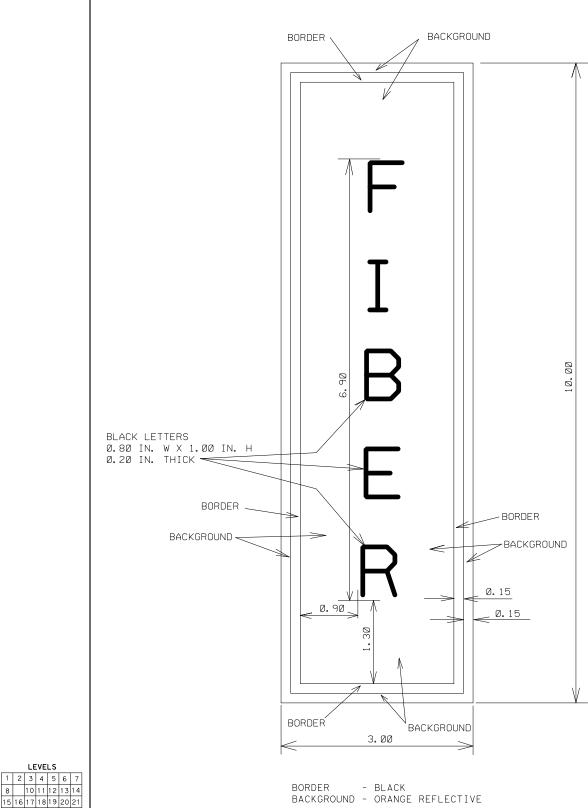
"ITS" GROUND BOX DETAILS

1	T O LINEA V
SHEET 1	OF 2

DESIGN DK	FED.RD. DIV.NO.	FEDER.	FEDERAL AID PROJECT NO.				
GRAPHICS	6	СМ	()	IH 35E			
DK	STATE	DISTRICT	COUNTY	SHEET NO.			
CHECK RNG	TEXAS	DALLAS	DALLAS				
CHECK	CONTROL	SECTION	JOB				
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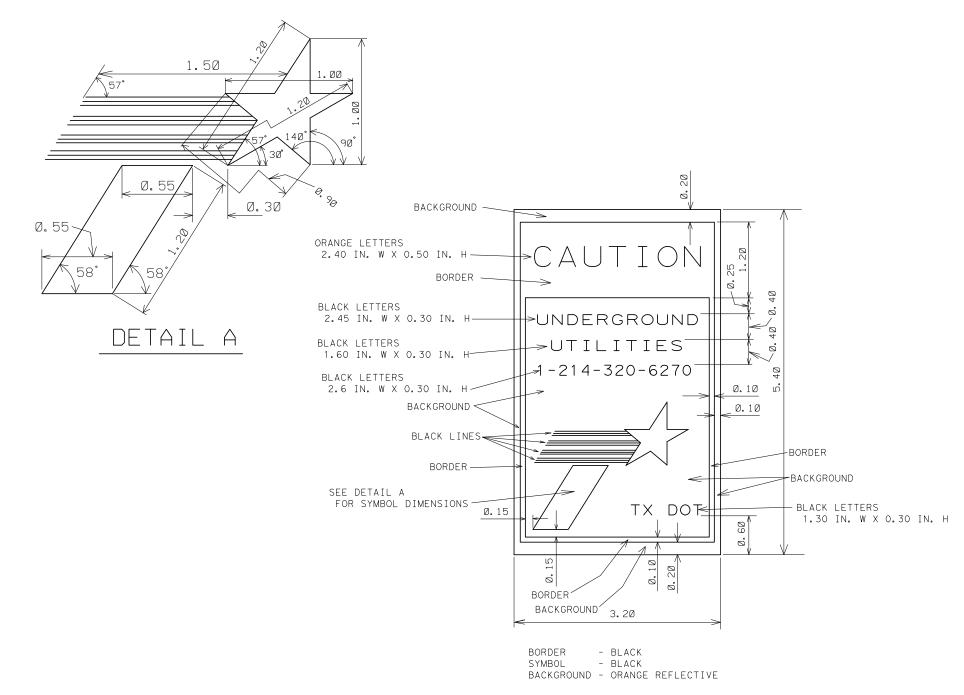
,P.E.
Signature Date

RAJESH N. GURNANI



BACKGROUND - ORANGE REFLECTIVE

"FIBER" DECAL DETAIL



"UNDERGROUND UTILITIES" DECAL DETAIL



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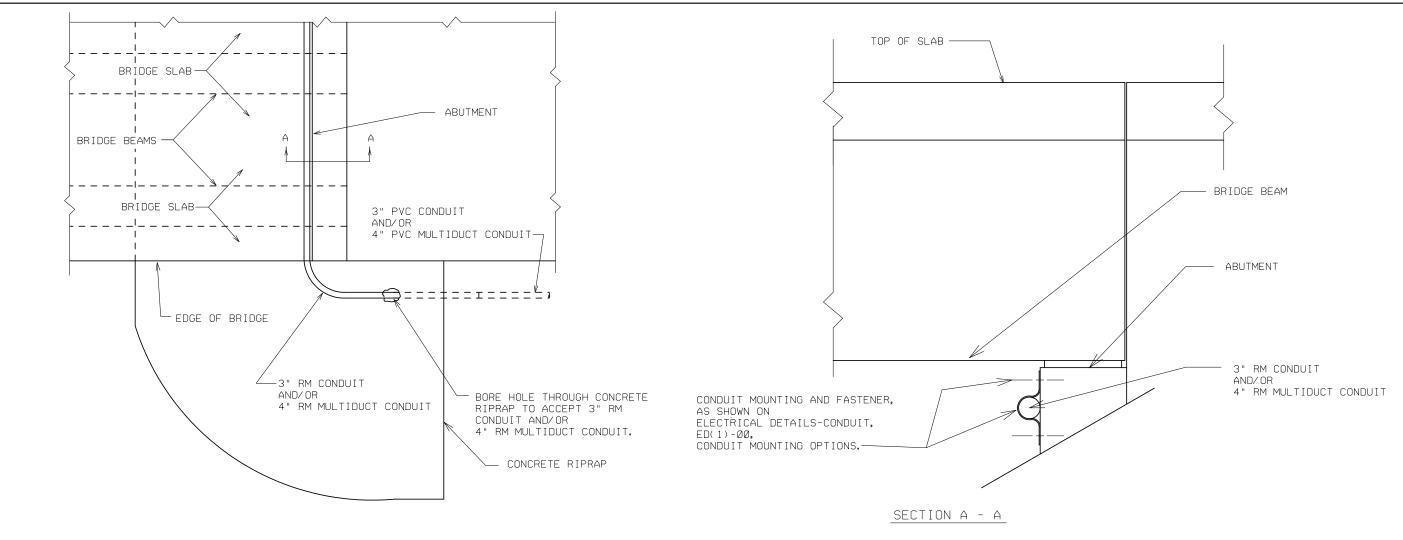
Signature of Registrant & Date

₹ Texas	Department of	Transportation
∠/ (c) 2008		

"ITS" MISCELLANEOUS ITEMS SHEET

SHEET	1	OF	2
	_		

DESIGN	FED.RD. DIV.NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.			
DK/LMT GRAPHICS	6	СМ	()	ΙH	35	5E
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TYPICAL ATTACHMENT OF CONDUIT TO BRIDGE ABUTMENT



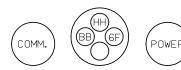
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,P.E.
Signature of Registrant & Date

4-3" PVC CONDUIT

COMM. BB GF POWER

2-4" MULTIDUCT CONDUIT



1-4" MULTIDUCT CONDUIT AND 2-3" PVC CONDUIT



2-3" PVC CONDUITS



HH - SINGLEMODE HUB TO HUB FIBER BB - SINGLEMODE BACKBONE FIBER

6F - 6-STRAND SINGLEMODE FIBER 6B - #6 AWG BARE

(FOR TRACE)

COMM. - COMMUNICATIONS
(COMM CABLE,
TELEPHONE AND
TWISTED PAIR)

LEGEND

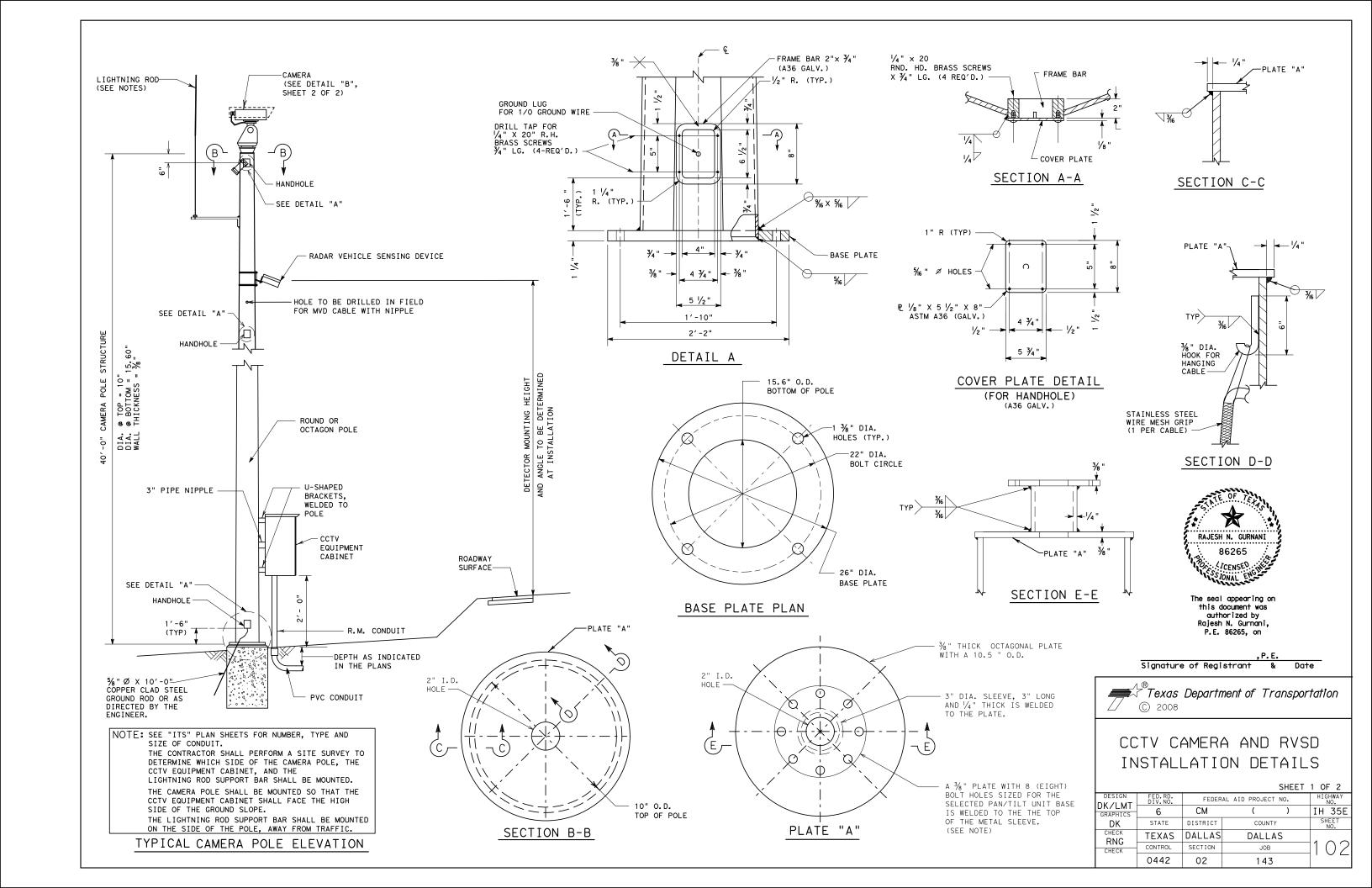


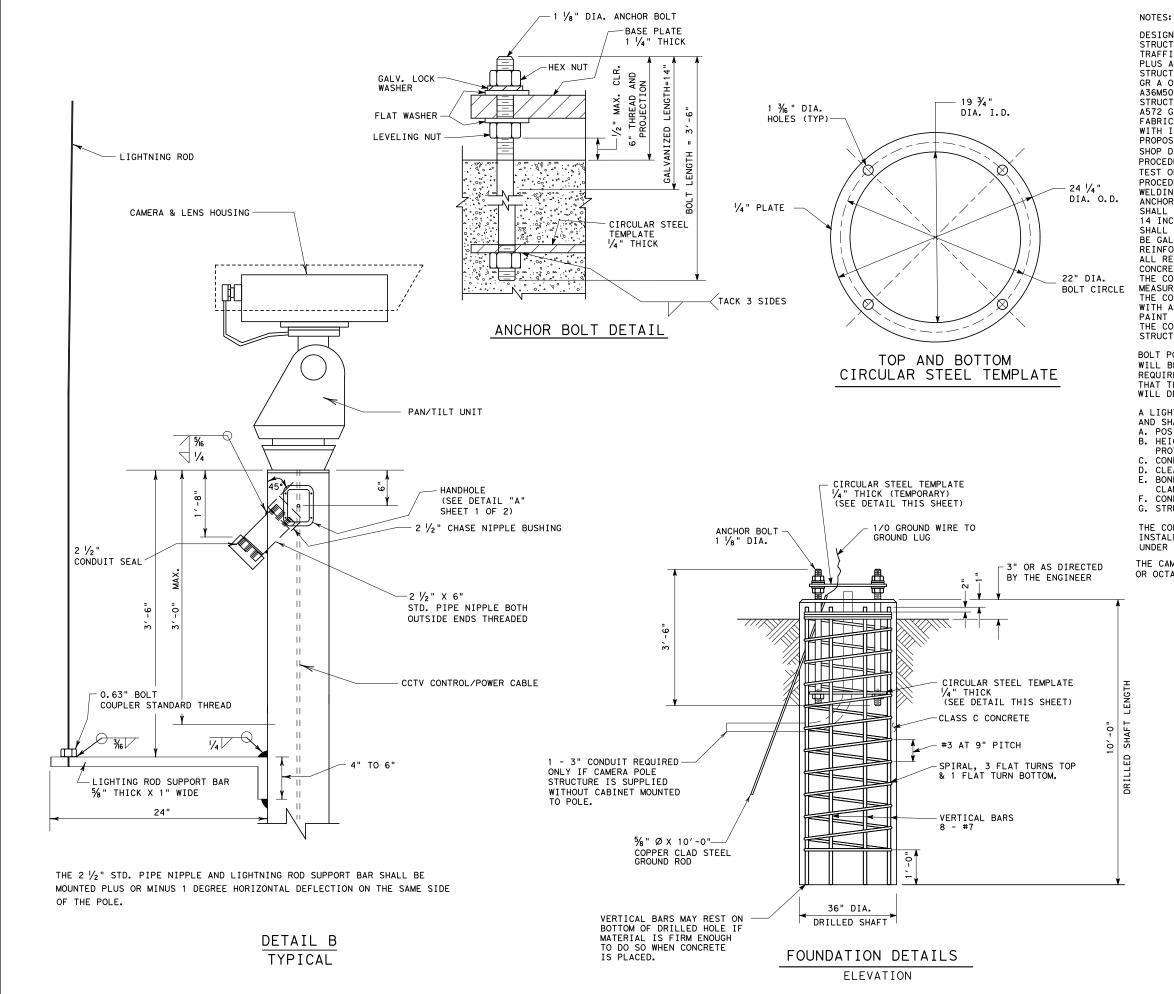
"ITS" MISCELLANEOUS DETAILS SHEET

SHEET 1 OF 1

DESIGN DK/LMT	FED.RD. DIV.NO.	FEDER	AL AID PROJECT NO.	HIGHWAY NO.
GRAPHICS	6	СМ	()	IH 35E
DK	STATE	DISTRICT	COUNTY	SHEET NO.
CHECK RNG	TEXAS	DALLAS	DALLAS	
CHECK	CONTROL	SECTION	JOB]1 1 31
	0442	02	143	

TYPICAL CONDUIT FILL DETAILS





DESIGN CONFORMS TO 1975 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS. DESIGN WIND SPEED EQUALS 80 MPH PLUS A 1.3 GUST FACTOR.
STRUCTURAL STEEL FOR THE POLE SHALL CONFORM TO ASTM A595

GR A OR ASTM 570 GR50 OR ASTM A607 GR50 OR ASTM A572 GR50 OR

STRUCTURAL STEEL FOR PLATES SHALL CONFORM TO ASTM A36 OR A572 GR50 OR A595 GR A OR A36M5D.

FABRICATION AND WELDING OF STRUCTURES SHALL BE IN ACCORDANCE WITH ITEM "STEEL STRUCTURES". THE FABRICATOR SHALL SUBMIT PROPOSED WELDING PROCEDURES WITH THE SHOP DRAWINGS. THE SHOP DRAWINGS, WHEN SUBMITTED, SHALL INCLUDE THE WELDING PROCEDURE NUMBER ASSIGNED BY THE DIVISION OF MATERIALS AND TEST OF THE TEXAS DEPARTMENT OF TRANSPORTATION. THIS WELDING PROCEDURE NUMBER SHALL BE PLACED ADJACENT TO THE APPROPRIATE WELDING SYMBOL.

ANCHOR BOLTS SHALL CONFORM TO A-193 B7. NUTS FOR ANCHOR BOLTS SHALL BE HEAVY HEX AND CONFORM TO ASTM A-194 GR 2H. THE TOP 14 INCHES OF THE ANCHOR BOLT AND NUTS AND WASHERS SHALL BE GALVANIZED. UNLESS OTHERWISE NOTED, ALL PARTS SHALL BE GALVANIZED IN ACCORDANCE WITH THE SPECIFICATIONS. REINFORCING STEEL SHALL CONFORM TO ITEM 440. ALL REINFORCING STEEL SHALL BE MINIMUM GRADE 60.

CONCRETE SHALL BE CLASS C.

THE CONTRACTOR SHALL FIELD VERIFY ALL ANCHOR BOLT MEASUREMENTS PRIOR TO FABRICATION OF BASE PLATES. THE CONTRACTOR SHALL CLEAN ALL ABRASIONS AND FIELD WELDS WITH A WIRE BRUSH AND SHALL APPLY TWO COATS OF ZINC RICH PAINT TO THE UNGALVANIZED AREAS OF THE STRUCTURE.
THE CONTRACTOR SHALL HANG ALL CABLING INSIDE CAMERA POLE
STRUCTURE WITH STAINLESS STEEL WIRE MESH GRIPS.

BOLT POSITIONING IN THE TOP PLATE FOR THE PAN/TILT BASE WILL BE DETERMINED IN THE FIELD. THE 8 (EIGHT) BOLT HOLES REQUIRED WILL ALLOW POSITIONING OF THE LIMIT SWITCH SO THAT THE CAMERA BLIND ZONE IS PROPERLY LOCATED. THE ENGINEER WILL DETERMINE THE CAMERA'S BLIND ZONE AT EACH LOCATION.

A LIGHTNING ROD SHALL BE PROVIDED ON THE POLE AND SHALL MEET THE FOLLOWING REQUIREMENTS. A. POSITION - IN CENTER OF LEAST UTILIZED FIELD OF VIEW.

- B. HEIGHT CAMERA EQUIPMENT TO BE WITHIN 30 DEGREE
- PROTECTIVE ZONE TERMINAL.

 CONDUCTIVITY EQUIVALENT TO #6 AWG COPPER CONDUCTOR.

 CLEARANCE 24" TO CLOSEST CAMERA APPROACH.
- BONDING POLE-LIGHTNING ROD TO BE WELDED OR EQUIVALENT CLAMPING
- F. CONFIGURATION MAXIMUM RADIUS BENDS TO BE EMPLOYED. G. STRUCTURE - WITHSTAND ENVIRONMENT WITHOUT VIBRATION.

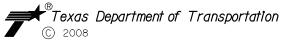
THE CONTRACTOR SHALL FURNISH ALL MATERIALS NECESSARY TO INSTALL THE CCTV CAMERA POLE. SUCH WORK SHALL BE PAID FOR UNDER THE ITEM "CAMERA POLE STRUCTURE WITH CABINET."

THE CAMERA POLE SHALL BE FABRICATED AS EITHER A ROUND OR OCTAGONAL TUBE.



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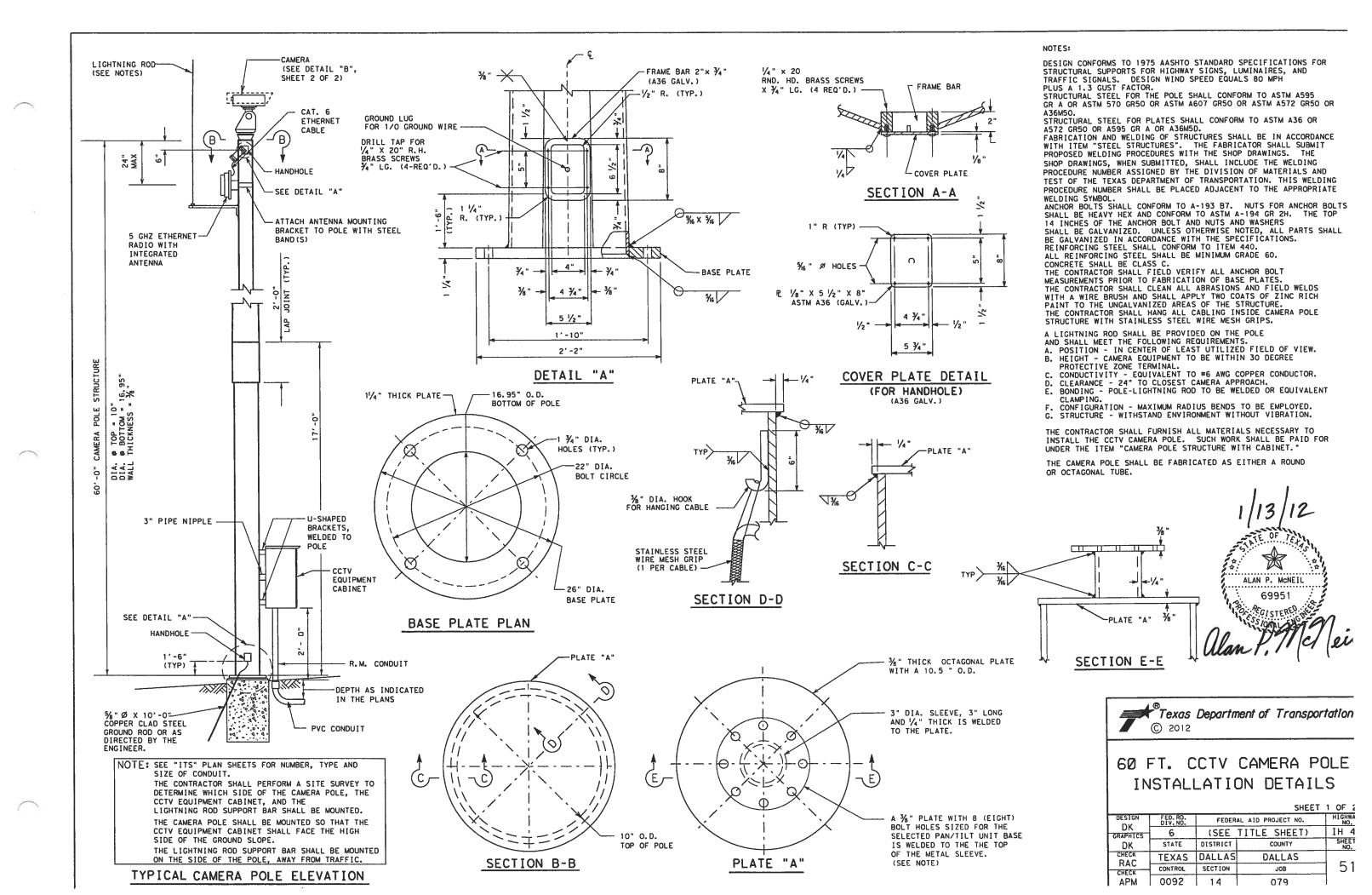
Signature of Registrant &

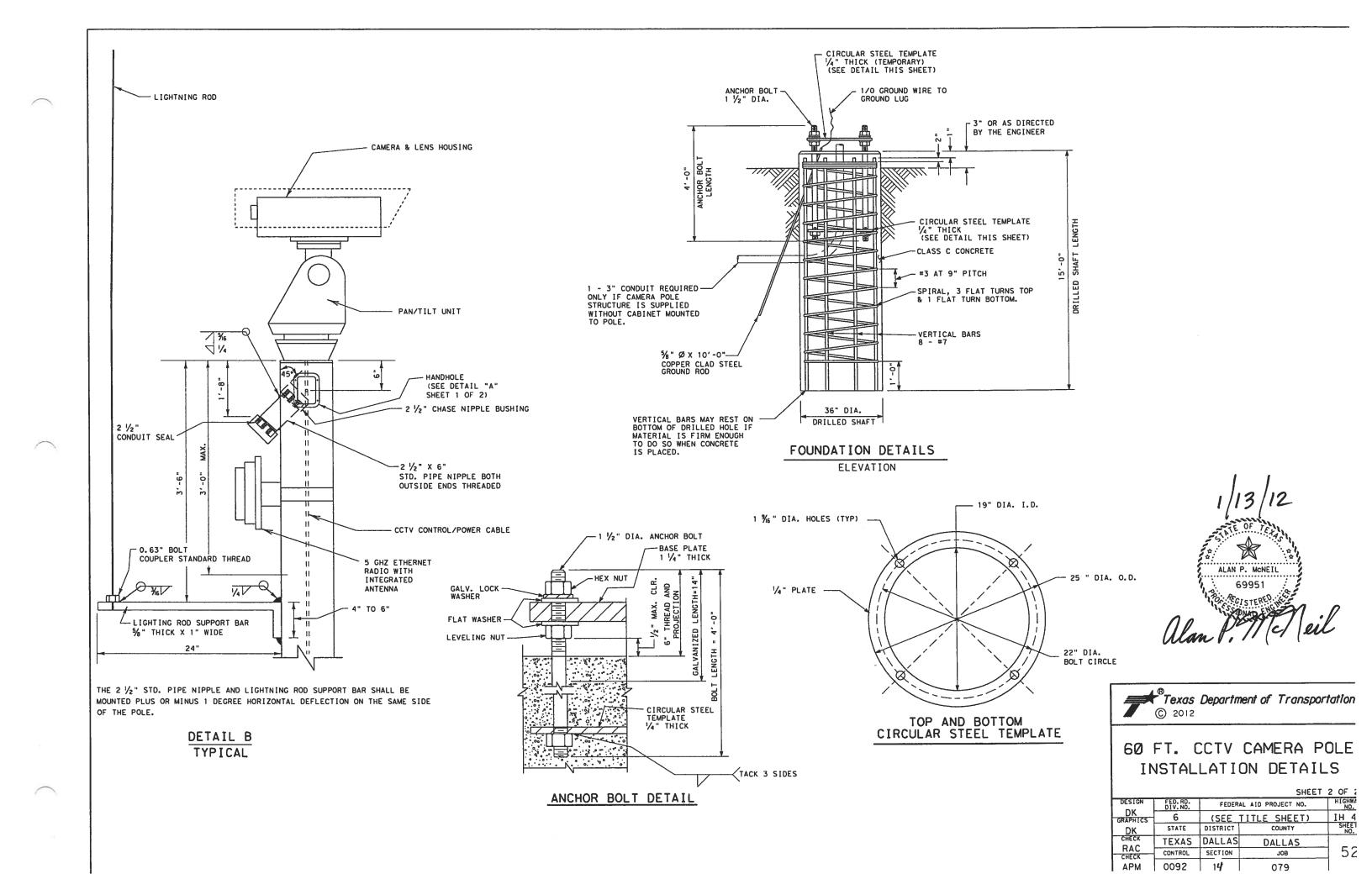


CCTV CAMERA AND RVSD INSTALLATION DETAILS

SHEET 2 OF 2

П					
DESIGN DK/LMT		FED.RD. DIV.NO.	FEDER	AL AID PROJECT NO.	HIGHWAY NO.
	GRAPHICS	6	СМ	()	IH 35E
	DK	STATE	DISTRICT	COUNTY	SHEET NO.
	CHECK RNG	TEXAS	DALLAS	DALLAS	1 0 7
	CHECK	CONTROL	SECTION	JOB] () .3
		0442	02	143	0 0





BAR "A" -

BAR "A"

BAR "B"



BAR "D2" 6 EA

BAR "C1" 4 EA (NO. 3 X 7'-8")

14" C-C

BAR "C2" 6 EA

8.5" C-C

(NO. 3 X 2'-2")

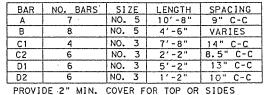
10" C-C

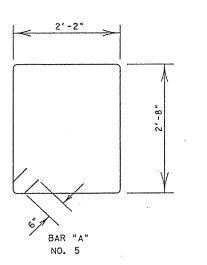
(NO. 3 X 1'-2")

<u>...</u>

10"

- 1. DETAILS OF ANCHOR BOLT PATTERN TO BE FURNISHED BY THE CABINET MANUFACTURER.
- 2. DIMENSIONS SHOWN FOR CONCRETE BASE WILL BE SUBJECT TO MODIFICATION TO FIT REQUIRED CABINET TYPE.
- 3. ALL CONCRETE WILL BE CLASS "A".
- 4. THE CONTRACTOR IS TO SET THE CABINET FOUNDATION LEVEL WITH THE GROUND SURFACE, OR AS APPROVED BY THE ENGINEER.
- 5. THE CONTRACTOR WILL FURNISH ANY ADDITIONAL CONCRETE WHICH MAY BE NECESSARY TO STABILIZE FOUNDATION AT UNUSUAL LOCATIONS.





5'-6"

SLAB

BAR "C2" 6 EA (NO. 3 X 2'-2")

14" | 8.5" | 8.5" | 8.5" | 8.5" |

8.5" C-C -

BAR "D1" 6 EA (NO. 3 X 5'-2")

BAR "D2" 6 EA

BAR "D1" 6 EA (NO. 3 X 5'-2") 13" C-C -

BAR "C1" 4 EA

14" C-C

(NO. 3 X 7'-8")

(NO. 3 X 1'-2")

13" C-C ---

- 1/2" PVC CONDUIT FOR CABINET DRAIN

12"

2'-6"

FRONT VIEW

Ö

2'-6"

SECTION A-A

I D D ¾" CHAMFER

1/2" PVC CONDUIT,

#6 BARE COPPER WIRE 10" C-C

2 -3" CONDUITS TO GROUND BOX %" X 10' COPPERCLAD STEEL

BAR "A"

GROUND ROD, WITH CLAMP

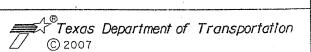
CONTAINING A

RAJESH N. GURNANI 86265

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Junany

NOT TO SCALE



DYNAMIC MESSAGE SIGN CABINET FOUNDATION DETAIL SHEET

				•	
	DESIGN MF	FED.RD. DIV.NO.	FEDER	HIGHWAY NO.	
	GRAPHICS	" " " " " " " " " "		LOOP 12	
	MF	STATE	DISTRICT	COUNTY	SHEET NO.
2_	CHECK	TEXAS	DALLAS	DALLAS	
_	CHECK	CONTROL	SECTION	JOB	<u> </u>
		0581	02	114	

,P.E.
Signature of Registrant & Date

CONTROL

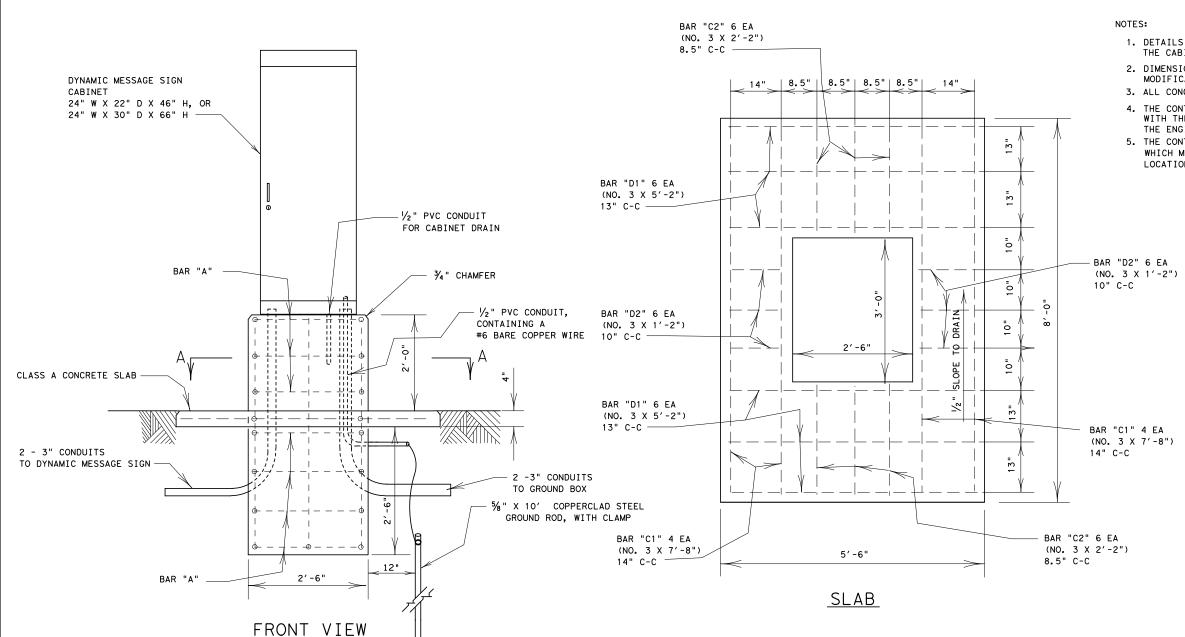
0442

SECTION

02

JOB

143



BAR "A"

2'-2"

BAR "A"

NO. 5

13"

 \Box

<u>_</u> D

BAR "B"

 \bigcirc

 \bigcirc

2'-6"

SECTION A-A

σ±

- DETAILS OF ANCHOR BOLT PATTERN TO BE FURNISHED BY THE CABINET MANUFACTURER.
- 2. DIMENSIONS SHOWN FOR CONCRETE BASE WILL BE SUBJECT TO MODIFICATION TO FIT REQUIRED CABINET TYPE.
- 3. ALL CONCRETE WILL BE CLASS "A".
- 4. THE CONTRACTOR IS TO SET THE CABINET FOUNDATION LEVEL WITH THE GROUND SURFACE, OR AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR WILL FURNISH ANY ADDITIONAL CONCRETE WHICH MAY BE NECESSARY TO STABILIZE FOUNDATION AT UNUSUAL LOCATIONS.

BAR	NO. BARS	SIZE	LENGTH	SPACING
Α	7	NO. 5	10'-8"	9" C-C
В	8	NO. 5	4'-6"	VARIES
C1	4	NO. 3	7′-8"	14" C-C
C2	6	NO. 3	2'-2"	8.5" C-C
D1	6	NO. 3	5'-2"	13" C-C
D2	6	NO. 3	1'-2"	10" C-C

PROVIDE 2" MIN. COVER FOR TOP OR SIDES



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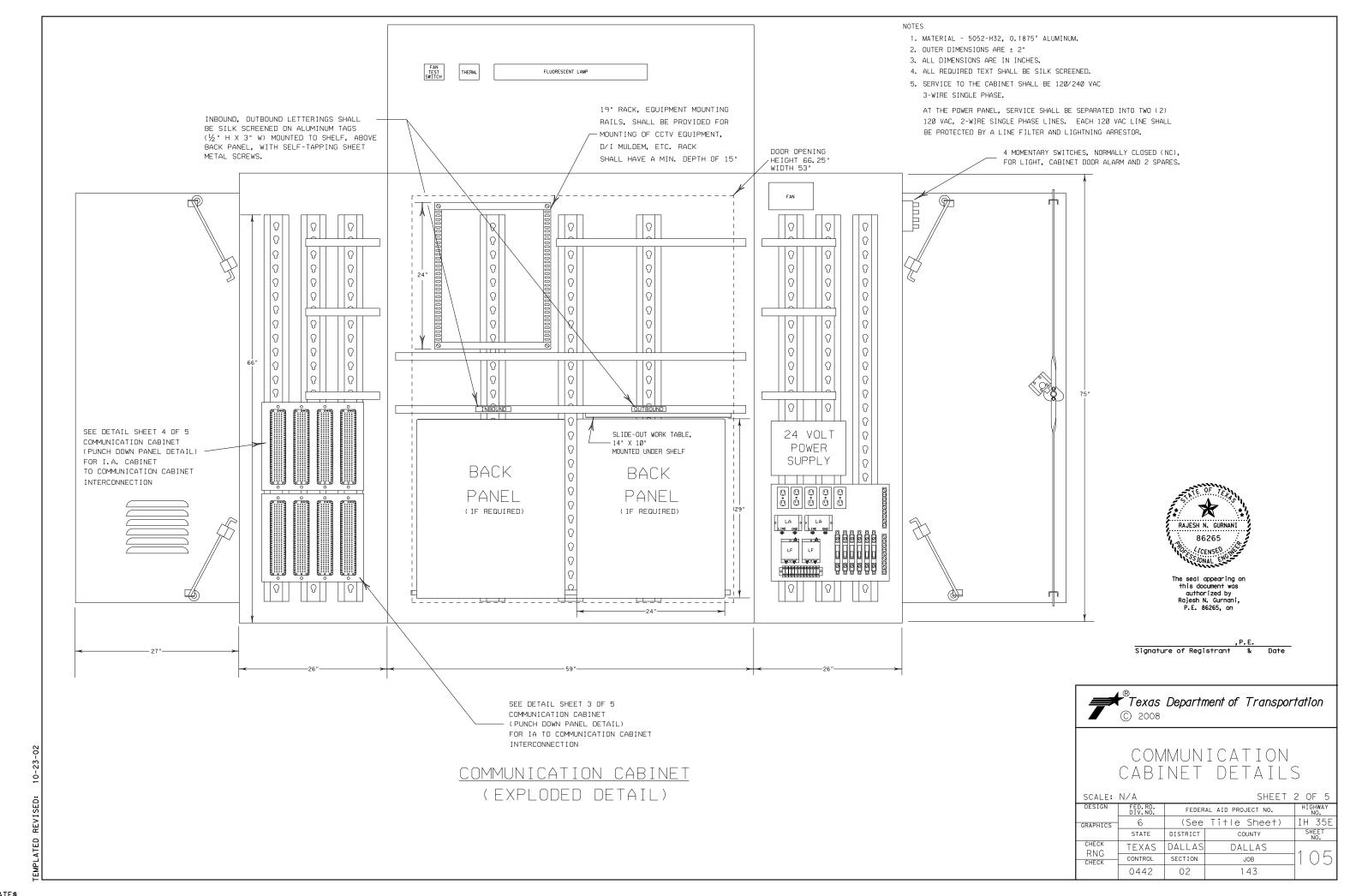
,P.E.
Signature of Registrant & Date

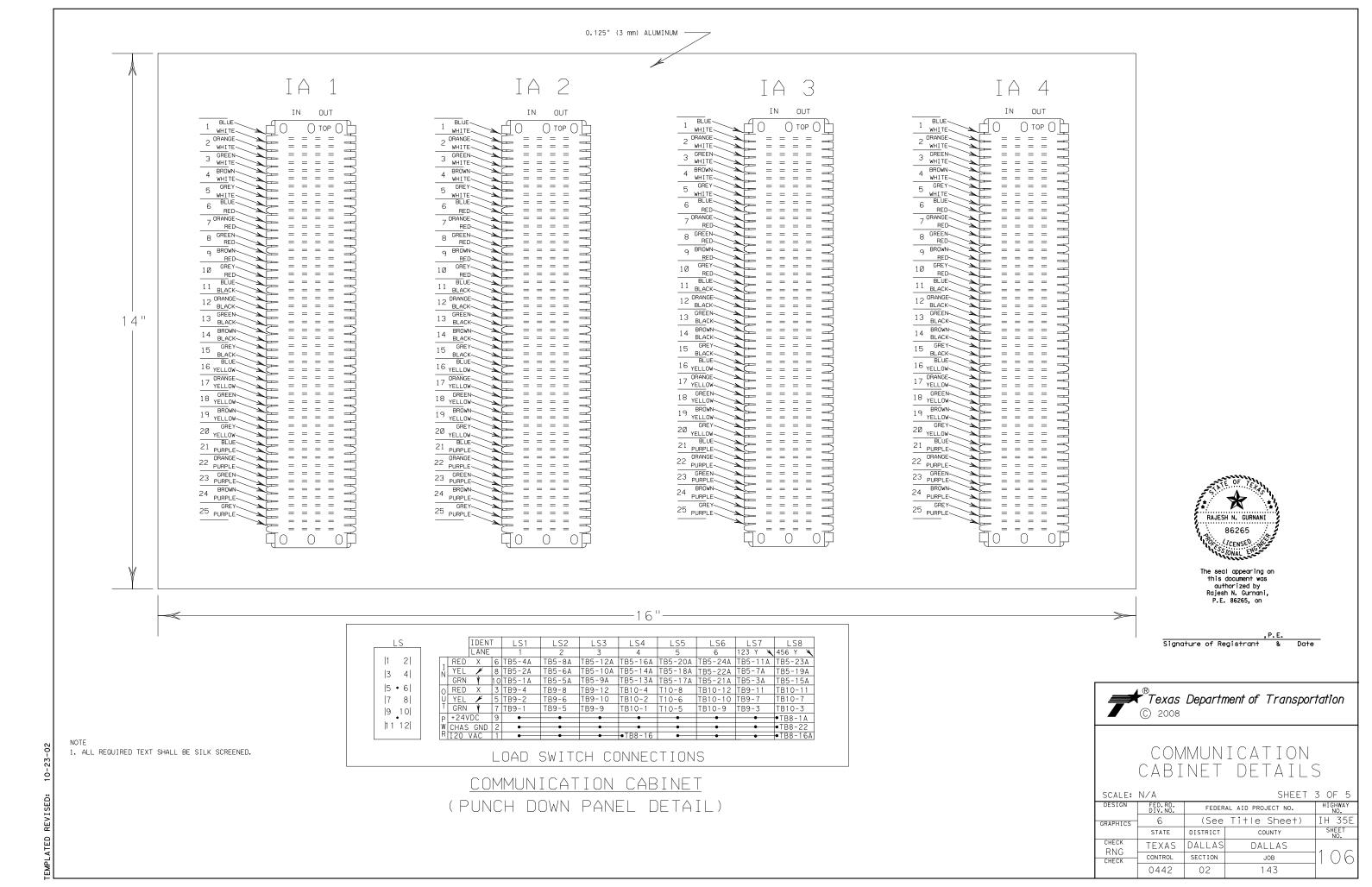
NOT TO SCALE



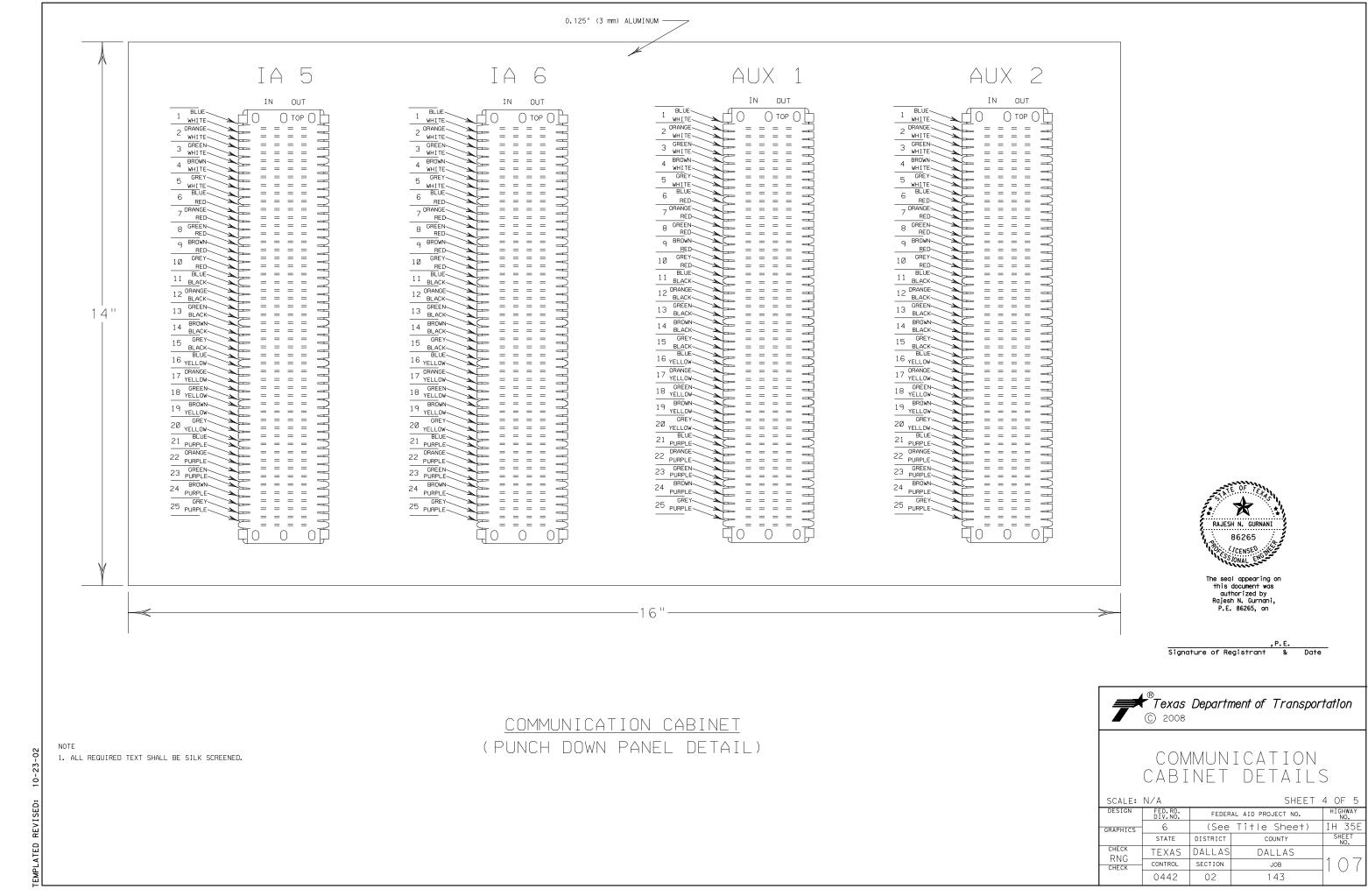
DYNAMIC MESSAGE SIGN CABINET FOUNDATION DETAIL SHEET

DESIGN DK/LMT		FED.RD. DIV.NO.	FEDER	AL AID PROJECT NO.	HIGHWAY NO.
	GRAPHICS	6	СМ	()	IH 35E
	DK	STATE	DISTRICT	COUNTY	SHEET NO.
	CHECK RNG	TEXAS	DALLAS	DALLAS	
_	CHECK	CONTROL	SECTION	JOB	1 171 11
		0442	02	1 4 3	

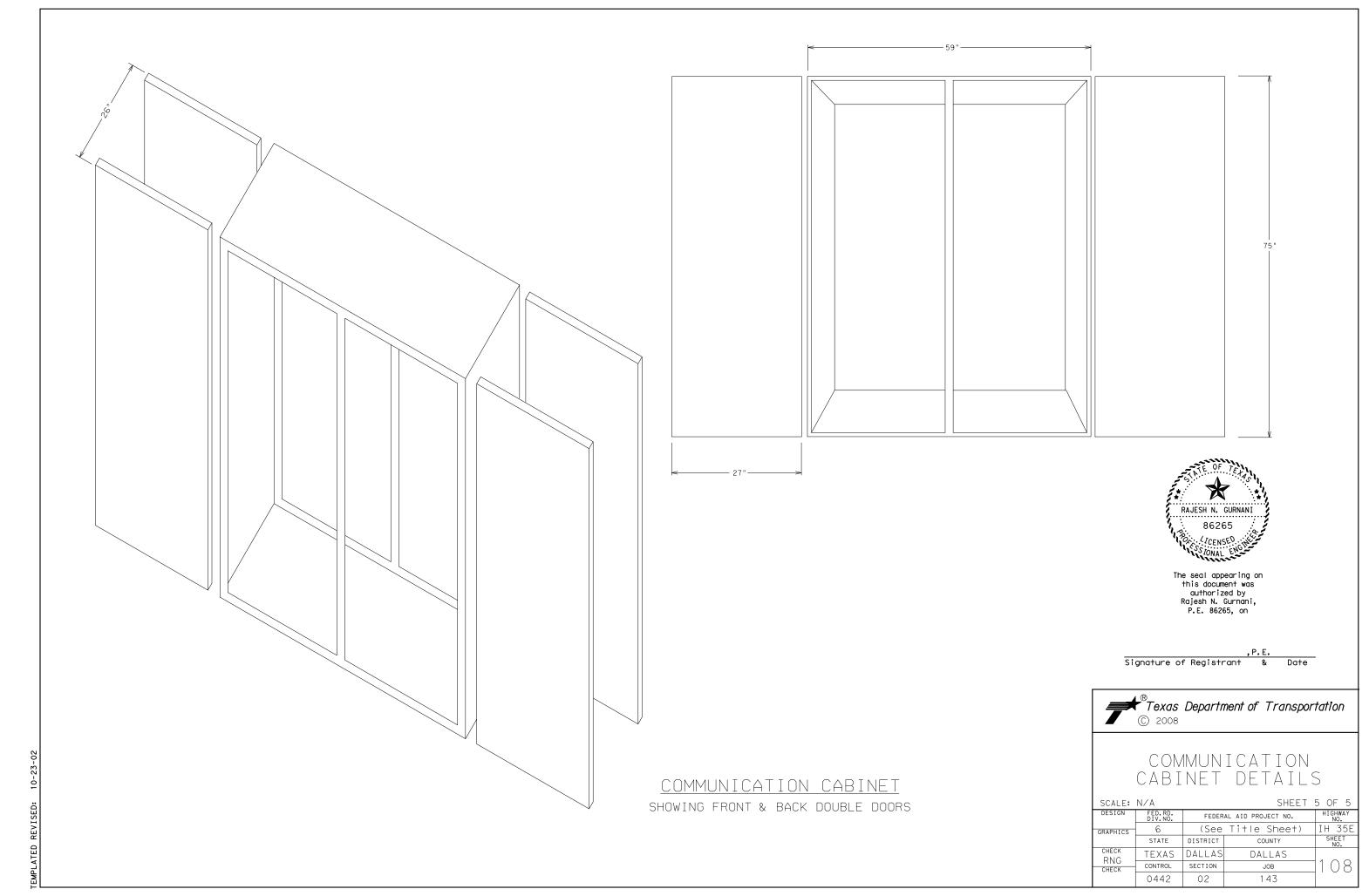


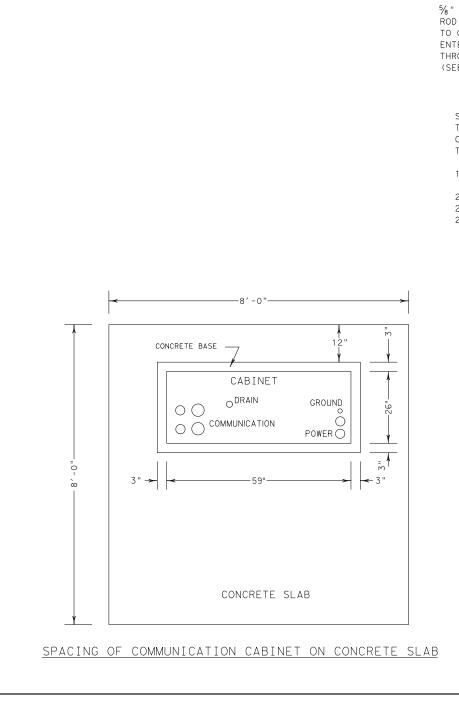


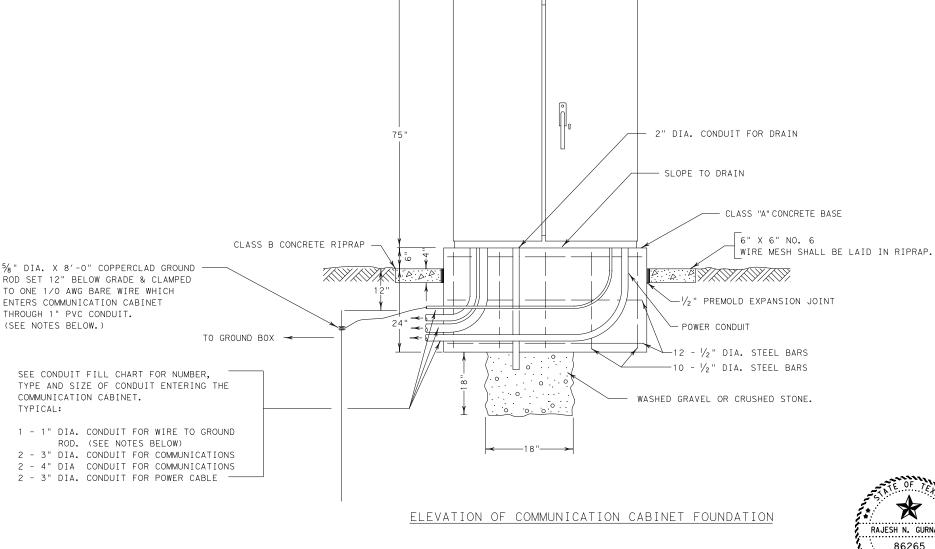
DATE: \$DATE\$



DATE: \$DATE\$







NOTES:

CABINET AND BASE DIMENSIONS AND DETAILS ARE SHOWN AS EXAMPLES ONLY. CABINETS OF ANY MANUFACTURER WHICH COMPLY WITH THE SPECIFICATIONS SHALL BE DEEMED ACCEPTABLE. CONCRETE BASE DIMENSIONS AND CABINET BOLT SPACING SHALL ACCOMMODATE THE CABINET USED. THE ANCHOR BOLTS SHALL BE PLACED ON THE INSIDE OF THE CABINET.

THE COMMUNICATION CABINET SHALL NOT HAVE A FLOOR.

THE CONTRACTOR SHALL USE CLEAR SILICONE SEALANT AROUND THE INSIDE AND OUTSIDE OF THE COMMUNICATION CABINET BASE.

THE FURNISHING AND INSTALLING OF 1" PVC CONDUIT, GROUND ROD, 1/O AWG GROUND WIRE, GROUND ROD CLAMP, AND ALL OTHERS MATERIALS, LABOR, TOOLS, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE GROUNDING OF THE COMMUNICATION CABINET AS PER NEC SHALL BE SUBSIDIARY TO THIS ITEM.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING CABINET OF APPROPRIATE DESIGN, AT NO ADDITIONAL EXPENSE TO THE DEPARTMENT, SUCH THAT THE CABINET SHALL BE LEVEL WHEN MOUNTED ON THE FOUNDATION. THE FOUNDATION DESIGN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT.

CIRCUIT BREAKERS 2, 5, AND 6 SHALL BE SERVICED BY LINE 1 (120 VAC, 2 WIRE SINGLE PHASE) FROM THE POWER PANEL. CIRCUIT BREAKERS 1, 3, AND 4 SHALL BE SERVICED BY LINE 2 FROM THE POWER PANEL.

COMMUNICATION CABINET



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Signature of Registrant & Date



COMMUNICATION CABINET DETAILS

N/A		SHEET	1 OF 5
FED.RD. DIV.NO.	FEDER	AL AID PROJECT NO.	HIGHWAY NO.
6	(See	Title Sheet)	IH 35E
STATE	DISTRICT	COUNTY	SHEET NO.
TEXAS	DALLAS	DALLAS	
CONTROL	SECTION	JOB	11 () 4
0442	02	1 4 3	
	FED. RD. DIV. NO. 6 STATE TEXAS CONTROL	FED. RD. FEDER 6 (See STATE DISTRICT TEXAS DALLAS CONTROL SECTION	FED.RD: FEDERAL AID PROJECT NO. 6 (See Title Sheet) STATE DISTRICT COUNTY TEXAS DALLAS DALLAS CONTROL SECTION JOB

