

**COMPONENTS OF CONTRACT PLANS SET**

LIGHTING PLANS  
ITS PLANS

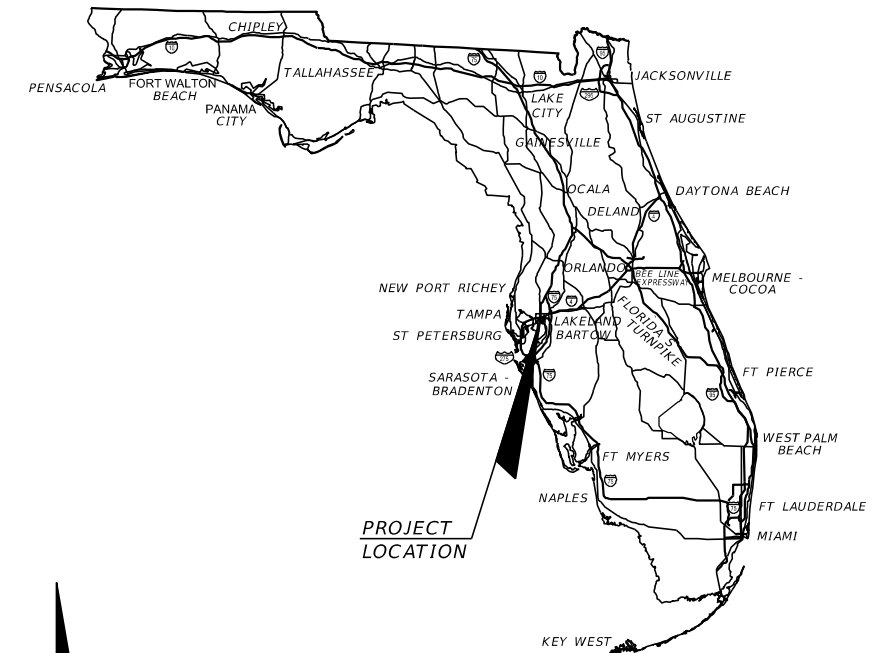
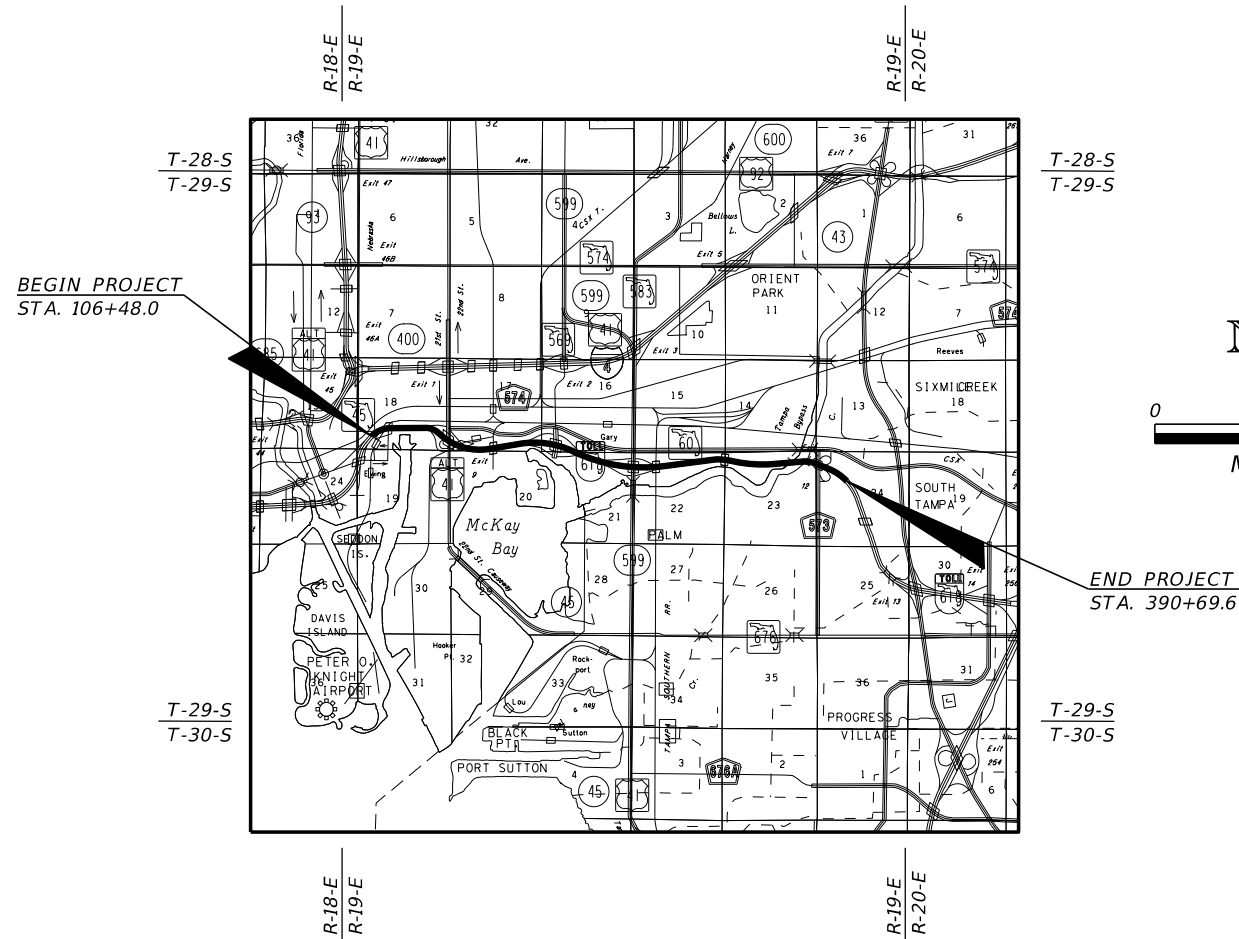
**CONTRACT PLANS  
FOR  
TAMPA HILLSBOROUGH  
EXPRESSWAY AUTHORITY**

**SELMON EXPRESSWAY  
AESTHETIC LIGHTING**

**BASE BID PLANS**

**INDEX OF ROADWAY PLANS**

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74	EROSION CONTROL DETAILS



ROADWAY SHOP DRAWINGS  
TO BE SUBMITTED TO:  
JORDAN E. LEEP, P.E.  
1777 MAIN STREET, SUITE 200  
SARASOTA FL 34236  
PHONE (941) 379-7600

PLANS PREPARED BY:  
**Kimley»Horn**  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236  
PHONE (941) 379-7600

NOTE: THE SCALE OF THESE PLANS MAY  
HAVE CHANGED DUE TO REPRODUCTION.

**BID PLANS**  
**MARCH 2020**

**GOVERNING STANDARD PLANS:**  
Florida Department of Transportation, FY2020-21 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

**APPLICABLE IRs:**

Standard Plans for Bridge Construction are included in the Structures Plans Component

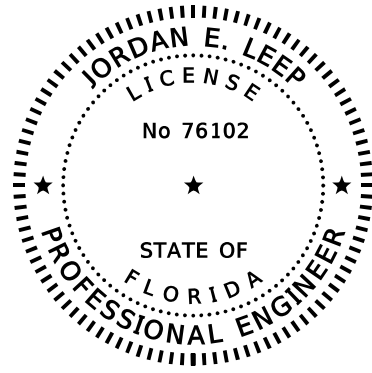
**GOVERNING STANDARD SPECIFICATIONS:**  
Florida Department of Transportation, January 2020 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks/default.shtm>

THEA PROJECT MANAGER: JUDITH VILLEGAS

ROADWAY PLANS  
ENGINEER OF RECORD: JORDAN E. LEEP, P.E.  
P.E. NO.: 76102

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
O-01217	20	1

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



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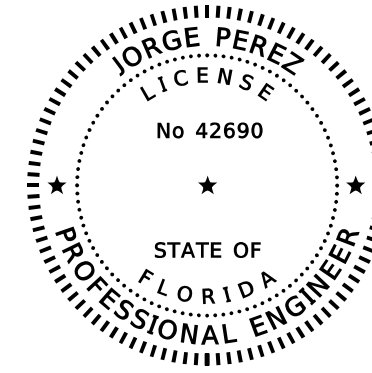
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KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236  
JORDAN E. LEEP, P.E. NO. 76102

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE  
FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
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KIMLEY-HORN AND ASSOCIATES, INC.  
189 S. ORANGE AVE., SUITE 1000  
ORLANDO, FL 32801  
JORGE PEREZ, P.E. NO. 42690

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<u>SHEET NO.</u>	<u>SHEET DESCRIPTION</u>
2	SIGNATURE SHEET
49	STRUCTURAL GENERAL NOTES
50 - 53	STRUCTURAL CONNECTION DETAILS

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>SIGNATURE SHEET</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
						S.R. 618	HILLSBOROUGH		O-01217

SUMMARY OF PAY ITEMS

ITEM NO.	ITEM	UNIT	PROJECT QUANTITY
101-1	Mobilization (4%)	LS	1
102-1	Maintenance of Traffic (4%)	LS	1
104-18	Inlet Protection System	EA	97
110-1-1	Clearing & Grubbing	AC	0
570-1-2	Performance Turf, Sod	SY	1,261
630-2-11	Conduit, Open Trench, PVC, 2"	LF	3,270
630-2-12	Conduit, Directional Bore, HDPE, 2" - 2.5"	LF	2,355
630-2-15A	Conduit, F&I, Bridge Mount, PVC, 2"	LF	44,170
630-2-15B	Conduit, F&I, Bridge Mount, PVC, 2.5"	LF	2,145
630-2-15C	Conduit, F&I, Bridge Mount, Rigid Metal, 0.5"	LF	1,315
630-2-15D	Conduit, F&I, Bridge Mount, Rigid Metal, 1"	LF	1,315
630-2-15E	Conduit, F&I, Bridge Mount, Rigid Metal, 2"	LF	7,948
630-2-15F	Conduit, F&I, Bridge Mount, Rigid Metal, 2.5"	LF	240
633-1-121	Fiber Optic Cable, F&I, Underground, 12 Fibers	LF	1,695
633-2-31	Fiber Optic Connection, Install, Splice	EA	80
633-2-32	Fiber Optic Connection, Install, Termination	EA	240
633-3-11	Fiber Optic Connection Hardware, F&I, Splice Enclosure	EA	20
633-3-14	Fiber Optic Connection Hardware, F&I, Buffer Tube Fan Out Kit	EA	20
633-3-16	Fiber Optic Connection Hardware, F&I, Patch Panel - Field Terminated	EA	20
633-5-1	DMX Cable, F&I	LF	86,436
635-2-11	Pull & Splice Box, F&I, 13"x24" Cover Size	EA	31
635-3-12A	Junction Box, F&I, Mounted, 6" x 6" x 4"	EA	40
635-3-12B	Junction Box, F&I, Mounted, 12" x 12" x 4"	EA	305
639-1-121	Electrical Power Service, F&I, Underground, Meter furnished by Power Company	AS	11
639-2-1	Electrical Service Wire, F&I	LF	1,410
639-3-11	Electrical Service Disconnect, F&I, Pole Mount	EA	20
639-6-1	Electrical Power Service - Step Down Transformer F&I	EA	20
676-2-111	ITS Cabinet, F&I	EA	20
676-2-900	ITS Cabinet H-Frame, F&I	EA	20
684-1-1	Managed Field Ethernet Switch, F&I	EA	20
684-9-1	Pharos Lighting Playback Controller (LPC 4)	EA	1
684-9-2	Pathport 4-Port DMX/RDM Gateway #1014	EA	52
684-9-3	Outdoor Link System (OLSF7)	EA	672
684-9-4	Outdoor Link System (OLSLX1)	EA	375
684-9-5	Outdoor Link System (OLST)	EA	200
715-1-11	Lighting Conductors, F&I, Insulated, No. 10 or <	LF	200
715-1-12	Lighting Conductors, F&I, Insulated, No. 8-6	LF	83,124
715-1-13	Lighting Conductors, F&I, Insulated, No. 4-2	LF	168,536
715-1-60	Lighting Conductors, Remove & Dispose, Contractor Owns	LF	53,415
715-4-70	Light Pole Complete, Remove	EA	227
715-5-41A	Luminaire Bracket Arm - Powder Coated, Type 1A, F&I	EA	628
715-5-41B	Luminaire Bracket Arm - Powder Coated, Type 1B, F&I	EA	6
715-5-42	Luminaire Bracket Arm - Powder Coated, Type 2, F&I	EA	634
715-5-43	Luminaire Bracket Arm - Powder Coated, Type 3, F&I	EA	116
715-5-44	Luminaire Bracket Arm - Powder Coated, Type 4, F&I	EA	224
715-5-45	Luminaire Bracket Arm - Powder Coated, Type 5, F&I	EA	26
715-7-11	Load Center, F&I, Secondary Voltage	EA	11
715-12-111A	Dyna Drum HO Color, QW RGBW, F&I (DDJ-221-ACHN)	EA	21
715-12-111B	Dyna Drum SO, RGBW, F&I (DDE-221-AALN)	EA	460
715-12-123B	Dyna Drum SO Color, Spread Lens, 60° F&I (DDSSL60)	EA	3
715-12-124	Dyna Drum HO Color, Spread Lens, 10°X60° F&I (DDHSL1060)	EA	21
715-12-124B	Dyna Drum SO Color, Spread Lens, 10°X60° F&I (DDSSL1060)	EA	457

<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236</p>	<p>TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY</p> <table border="1"> <thead> <tr> <th>ROAD NO.</th> <th>COUNTY</th> <th>CONTRACT NO.</th> </tr> </thead> <tbody> <tr> <td>S.R. 618</td> <td>HILLSBOROUGH</td> <td>O-01217</td> </tr> </tbody> </table>	ROAD NO.	COUNTY	CONTRACT NO.	S.R. 618	HILLSBOROUGH	O-01217	<p>SUMMARY OF PAY ITEMS</p>	<p>SHEET NO. 3</p>
DATE	DESCRIPTION	DATE	DESCRIPTION																		
ROAD NO.	COUNTY	CONTRACT NO.																			
S.R. 618	HILLSBOROUGH	O-01217																			

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**TABULATION OF CONDUIT, CONDUCTORS, DMX 512, AND LUMINAIRE QUANTITIES**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET	
			15		16		17		18		19		20		21		22		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH, PVC, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER	LF					265									445			710	
630-2-12A	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE, HDPE, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER	LF																		
630-2-12B	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE, HDPE, 2.5" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER	LF							410		60								470	
630-2-15A	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, PVC, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF			1575		1990		1645		1765		2100		2145		740		12080	
630-2-15B	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, PVC, 2.5" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF			40				20		20				20		20		1015	
630-2-15C	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 0.5" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO FACE OF STRADDLE BENT	LF						325											385	
630-2-15D	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 1" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO FACE OF STRADDLE BENT	LF						325											385	
630-2-15E	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO JUNCTION BOX AND LUMINAIRES ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM VENT HOLE IN BOTTOM SLAB OF REL TO STRADDLE BENT MIDDLE (FOR TYPE 5 STRUCTURAL ARMS)	LF	300		470			50							40		800		2224	
630-2-15F	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 2.5" DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK	LF							100										100	
633-5-1	DMX CABLE, F&I PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM CABINET TO JUNCTION BOX FOR CABINET DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO JUNCTION BOX ON SIDE OF STRADDLE BENT DISTANCE FROM INSIDE BRIDGE DECK TO JUNCTION BOX ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER	LF	150		3700		5620		3640		3755		2965		2840		1645		25730	
715-1-11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR < DISTANCE INSIDE JUNCTION BOX ON TOP OF ABUTMENT DISTANCE INSIDE JUNCTION BOXES ON STRADDLE BENTS DISTANCE INSIDE JUNCTION BOX ON TOP OF PIER	LF			1			12									1		59	
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6 PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO JUNCTION BOX ON SIDE OF STRADDLE BENT DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK DISTANCE FROM INSIDE BRIDGE DECK TO JUNCTION BOX ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF			5760		9160		3780		2160				5920		2800		31976	
715-1-13	LIGHTING CONDUCTORS, F&I, NO. 4-2 PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK DISTANCE FROM INSIDE BRIDGE DECK TO JUNCTION BOX ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF	600		3300		2140		12300		9220		4520		8980		1760		45028	
715-12-111A	DYNA DRUM HO COLOR, QW RGBW, F&I (DDJ-221-ACHN)	EA	2														4		6	
715-12-111B	DYNA DRUM SO, RGBW, F&I, (DDE-221-AALN)	EA			26		24		16		16		18		16		15		131	

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REVISIONS												
DATE	DESCRIPTION											

**TABULATION OF QUANTITIES**

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TABULATION OF CONDUIT, CONDUCTORS, DMX 512, AND LUMINAIRE QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET	
			23		24		25		26		27		28		29		30		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH, PVC, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER	LF	325		485				130						40			980		
630-2-12A	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE, HDPE, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER	LF			270			340										610		
630-2-12B	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE, HDPE, 2.5" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER	LF												210				210		
630-2-15A	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, PVC, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF			690		2100	2045	2135	2145	1595	2000				20		12810		
630-2-15B	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, PVC, 2.5" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF										550						550		
630-2-15E	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK GOING DOWN PIER TO GROUND PULL BOX DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO JUNCTION BOX AND LUMINAIRES ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM GROUND PULL BOX TO JUNCTION BOX ON FACE OF CONCRETE BARRIER	LF	1070		1840			50										3240		
630-2-15F	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 2.5" DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK	LF										80						80		
633-5-1	DMX CABLE, F&I PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM CABINET TO JUNCTION BOX FOR CABINET DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK GOING DOWN PIER TO GROUND PULL BOX DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO JUNCTION BOX ON SIDE OF STRADDLE BENT DISTANCE FROM INSIDE BRIDGE DECK TO JUNCTION BOX ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM GROUND PULL BOX TO JUNCTION BOX ON FACE OF CONCRETE BARRIER	LF	535		3175		3530	2365	4005	2275	2595	2555				110		21871		
715-1-11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR < DISTANCE INSIDE JUNCTION BOX ON TOP OF ABUTMENT DISTANCE INSIDE JUNCTION BOXES ON STRADDLE BENTS DISTANCE INSIDE JUNCTION BOX ON TOP OF PIER	LF			1													51		
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6 PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO JUNCTION BOX ON SIDE OF STRADDLE BENT DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK DISTANCE FROM INSIDE BRIDGE DECK TO JUNCTION BOX ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM GROUND PULL BOX TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF	2140		2920			7660	1080	1100	3680							19588		
715-1-13	LIGHTING CONDUCTORS, F&I, NO. 4-2 PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK DISTANCE FROM INSIDE BRIDGE DECK TO JUNCTION BOX ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM GROUND PULL BOX TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF			4920		6520	1860	3980	8000	9100	4460						39960		
715-12-111A	DYNA DRUM HO COLOR, QW RGBW, F&I (DDJ-221-ACHN)	EA	7		2													9		
715-12-111B	DYNA DRUM SO, RGBW, F&I, (DDE-221-AALN)	EA	3		45		16	16	16	14	18	16						144		

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			TABULATION OF QUANTITIES	SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
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TABULATION OF CONDUIT, CONDUCTORS, DMX 512, AND LUMINAIRE QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS																TOTAL THIS SHEET	
			31		32		33		34		35		36		37		38		PLAN	FINAL
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL		
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH, PVC, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER	LF	110				240						80					315	745	
630-2-12A	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE, HDPE, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER	LF	385															265	650	
630-2-12B	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE, HDPE, 2.5" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER	LF											145						145	
630-2-15A	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, PVC, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF	2270 20		2000 20		2135		2010 20		2145 20		1700 20		2210 20		2155 20		16765	
630-2-15B	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, PVC, 2.5" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF											580						580	
630-2-15C	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 0.5" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO FACE OF STRADDLE BENT	LF							430 75				365 60						930	
630-2-15D	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 1" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO FACE OF STRADDLE BENT	LF							430 75				365 60						930	
630-2-15E	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO JUNCTION BOX AND LUMINAIRES ON TOP OF ABUTMENT DISTANCE FROM GROUND PULL BOX TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM VENT HOLE IN BOTTOM SLAB OF REL TO STRADDLE BENT MIDDLE (FOR TYPE 5 STRUCTURAL ARMS)	LF					80						70				90		420	
630-2-15F	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 2.5" DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK	LF	60																60	
633-5-1	DMX CABLE, F&I PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM CABINET TO JUNCTION BOX FOR CABINET DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO JUNCTION BOX ON SIDE OF STRADDLE BENT DISTANCE FROM INSIDE BRIDGE DECK TO JUNCTION BOX ON TOP OF ABUTMENT	LF	4725 120		3435 120		2420		7570 200 555		2780		5390 160 465		4440 120		2320 80		34900	
715-1-11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR < DISTANCE INSIDE JUNCTION BOX ON TOP OF ABUTMENT DISTANCE INSIDE JUNCTION BOXES ON STRADDLE BENTS DISTANCE INSIDE JUNCTION BOX ON TOP OF PIER	LF						15 3				12 4		9		8			83	
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6 PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO JUNCTION BOX ON SIDE OF STRADDLE BENT DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK DISTANCE FROM INSIDE BRIDGE DECK TO JUNCTION BOX ON TOP OF ABUTMENT DISTANCE FROM GROUND PULL BOX TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF	1800 120				3180 160		7600 1665 120		880		8740 1395 280				4040 360		30460	
715-1-13	LIGHTING CONDUCTORS, F&I, NO. 4-2 PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK DISTANCE FROM INSIDE BRIDGE DECK TO JUNCTION BOX ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF	10380 480		5420		9700 800		4020		7680		5760 420		4820		13440 720		63800	
715-12-111A	DYNA DRUM HO COLOR, QW RGBW, F&I (DDJ-221-ACHN)	EA																		
715-12-111B	DYNA DRUM SO, RGBW, F&I, (DDE-221-AALN)	EA	16		16		16		26		16		24		16		18		148	

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
					S.R. 618	HILLSBOROUGH	O-01217		

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**TABULATION OF CONDUIT, CONDUCTORS, DMX 512, AND LUMINAIRE QUANTITIES**

PAY ITEM NO.	DESCRIPTION	UNIT	SHEET NUMBERS												TOTAL THIS SHEET		GRAND TOTAL	
			39		40													
			PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH, PVC, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER	LF	790														790	3225
630-2-12A	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE, HDPE, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER	LF	260														260	1520
630-2-12B	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE, HDPE, 2.5" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER	LF																825
630-2-15A	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, PVC, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF	1855 20														1875	43530
630-2-15B	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, PVC, 2.5" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF																2145
630-2-15C	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 0.5" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO FACE OF STRADDLE BENT	LF																1315
630-2-15D	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 1" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO FACE OF STRADDLE BENT	LF																1315
630-2-15E	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 2" PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO JUNCTION BOX AND LUMINAIRES ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM GROUND PULL BOX TO JUNCTION BOX ON FACE OF CONCRETE BARRIER	LF	600 62 240 12	1150													2064	7948
630-2-15F	CONDUIT, FURNISH & INSTALL, BRIDGE MOUNT, RIGID METAL, 2.5" DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK	LF																240
633-5-1	DMX CABLE, F&I PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM CABINET TO JUNCTION BOX FOR CABINET DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO JUNCTION BOX ON SIDE OF STRADDLE BENT DISTANCE FROM INSIDE BRIDGE DECK TO JUNCTION BOX ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM GROUND PULL BOX TO JUNCTION BOX ON FACE OF CONCRETE BARRIER	LF	2125 60 600	1150													3935	86436
715-1-11	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 10 OR < DISTANCE INSIDE JUNCTION BOX ON TOP OF ABUTMENT DISTANCE INSIDE JUNCTION BOXES ON STRADDLE BENTS DISTANCE INSIDE JUNCTION BOX ON TOP OF PIER	LF	1 6														7	200
715-1-12	LIGHTING CONDUCTORS, F&I, INSULATED, NO. 8-6 PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM JUNCTION BOX INSIDE BRIDGE DECK TO JUNCTION BOX ON SIDE OF STRADDLE BENT DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK DISTANCE FROM INSIDE BRIDGE DECK TO JUNCTION BOX ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER	LF	1100														1100	83124
715-1-13	LIGHTING CONDUCTORS, F&I, NO. 4-2 PLAN DISTANCE NOT INCLUDING DISTANCE FROM SERVICE POINT TO LOAD CENTER DISTANCE FROM GROUND PULL BOX GOING UP PIER TO JUNCTION BOX INSIDE BRIDGE DECK DISTANCE FROM INSIDE BRIDGE DECK TO JUNCTION BOX ON TOP OF ABUTMENT DISTANCE FROM JUNCTION BOX ON TOP OF ABUTMENT TO JUNCTION BOX ON FACE OF CONCRETE BARRIER DISTANCE FROM JUNCTION BOX FOR CABINET TO CABINET	LF	16400 48 960 40	2300													19748	168536
715-12-111A	DYNA DRUM HO COLOR, QW RGBW, F&I (DDJ-221-ACHN)	EA		6													6	21
715-12-111B	DYNA DRUM SO, RGBW, F&I, (DDE-221-AALN)	EA	29	8													37	460

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				DATE	DESCRIPTION	DATE	DESCRIPTION					JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236			TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>TABULATION OF QUANTITIES</b>				SHEET NO.
REVISIONS																										
DATE	DESCRIPTION	DATE	DESCRIPTION																							
ROAD NO.		COUNTY	CONTRACT NO.		7																					
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OUTDOOR LINK SYSTEM			
	LINK CABLE (1.64')	FEED CABLE (11.48')	T-SPLITTERS
PIER	2	4	1
STRADDLE BENT - MIDDLE	0	0	1
STRADDLE BENT - SIDE	4	2	2
ABUTMENT - INSIDE	2	2	1
ABUTMENT - OUTSIDE	4	6	

NOTES: THE QUANTITIES LISTED ABOVE ARE FOR EACH INDIVIDUAL STRUCTURE. SEE SUMMARY OF PAY ITEMS FOR OVERALL PROJECT QUANTITIES.

THE ABUTMENT QUANTITIES ARE FOR A COMPLETE ASSEMBLY, AS SHOWN ON THE ABUTMENT STRUCTURAL ARM DETAIL. REDUCE INSIDE LINK CABLE TO 1, OUTSIDE LINK CABLE TO 2, AND OUTSIDE FEED CABLE TO 4 WHEN ABUTMENT DOWNLIGHTING IS NOT CALLED FOR IN PLANS. ABUTMENT 173 WILL NOT REQUIRE ANY OUTDOOR LINK SYSTEM COMPONENTS.

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>ADDITIONAL QUANTITIES</b>	SHEET NO.
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GENERAL NOTES

1. THE VERTICAL DATUM IS NAVD 1988.
2. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND HAVE BEEN GREYED BACK FOR CLARITY. THESE LOCATIONS SHOULD BE CONSIDERED APPROXIMATE ONLY. INSIDE THE BRIDGE DECK, THE EXISTING ELECTRICAL AND FIBER OPTIC CABLE VARY IN LOCATION. INTENT IS FOR PROPOSED CONDUIT TO RUN THROUGH VACANT HOLES AT EACH OF THE DOG HOUSES.
3. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
4. UTILITY/AGENCY OWNERS:
 

COMPANY	PHONE NUMBER
AT&T	813-342-0512
CENTURYLINK	877-366-8344 EXT. 2
CENTURYLINK	303-992-9931
CHARTER COMMUNICATIONS / BRIGHT HOUSE NETWORKS	813-684-6100 EXT. 31243
FIBERNET DIRECT	305-552-2931
FRONTIER COMMUNICATIONS	813-947-5402
HILLSBOROUGH COUNTY PUBLIC UTILITIES DEPARTMENT	813-209-3044
KINDER MORGAN / CENTRAL FLORIDA PIPELINE	813-241-1124
TAMPA ELECTRIC COMPANY	813-275-3037
CITY OF TAMPA WATER	813-274-7096
TAMPA BAY WATER	813-929-4552
TECO PEOPLES GAS - TAMPA	813-309-5966
THEA	813-272-5615
VERIZON BUSINESS (MCI)	469-886-4238
5. PLACE ALL CONDUIT AND PULL BOXES OUT OF DITCH BOTTOMS AND IN DRY AREAS.
6. THE CONTRACTOR IS ALERTED THAT SIGNIFICANT PORTIONS OF THE PROJECT CONTAIN UNDERDRAIN STORMWATER TREATMENT SYSTEMS BETWEEN THE BRIDGE PIERS THAT MUST BE MAINTAINED AND CONTINUE TO FUNCTION DURING CONSTRUCTION. ANY DAMAGE TO THE EXISTING SYSTEMS WILL BE REPLACED OR REPAIRED TO THE SATISFACTION OF THE AUTHORITY AT THE CONTRACTORS EXPENSE.
7. PROHIBIT SINGLE LANE CLOSURES DURING ALL EVENTS AT AMALIE ARENA OR TAMPA CONVENTION CENTER WITH ANTICIPATED ATTENDANCE OF 10,000 OR MORE. ALSO PROHIBIT SINGLE LANE CLOSURE FOR EASTBOUND TRAFFIC ONE HOUR FOLLOWING MAJOR EVENTS PREVIOUSLY DESCRIBED.

PAY ITEM NOTES

715-5-41, 715-5-42, 715-5-43, 715-5-44, 715-5-45 - THE COSTS OF STRUCTURAL ARM PAY ITEMS INCLUDE ALL MATERIALS AND LABOR FOR A COMPLETE AND FUNCTIONING INSTALLATION IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING: STRUCTURAL STEEL, POWDER COATING, UNDERCUT ANCHORS, POST CLAMPS, NEOPRENE PADS, THREADED RODS, BOLTS, GROMMETS, WELDS, DRILLING, AND MOUNTING.

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			GENERAL NOTES	SHEET NO.
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**POLE DATA**

LUMINAIRE NO.	STATION	CIRCUIT	PHASE	DMX UNIV.	STRUCT. TYPE	ARM MOUNTING CONFIG.	HALF SNOOT	FIXTURE TYPE	LUMINAIRE LENS	CORD	ROTATION ANGLE Δ (°)	ROTATION ANGLE θ (°)
L-173S-16	106+48.0	AA-3	B	A-1	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-173S-15	107+18.0	AA-3	A	A-1	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-173S-14	107+88.0	AA-3	B	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-13	108+07.0	AA-3	A	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-12	108+26.0	AA-3	B	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-11	108+45.0	AA-3	A	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-10	108+64.0	AA-3	B	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-9	108+83.0	AA-3	A	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-8	109+02.0	AA-3	B	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-7	109+21.0	AA-3	A	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-6	109+40.0	AA-3	B	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-5	109+59.0	AA-3	A	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-4	109+78.0	AA-3	B	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-3	109+97.0	AA-3	A	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-2	110+16.0	AA-3	B	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-173S-1	110+35.0	AA-3	A	A-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-172-C	111+86.7	AA-2	A	B-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-172-G	111+86.7	AA-2	A	B-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-171-C	113+28.7	AA-2	B	B-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-171-G	113+28.7	AA-2	B	B-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-170-C	114+70.7	AA-2	A	B-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-170-G	114+70.7	AA-2	A	B-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-169-C	116+03.4	AA-1	A	B-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-169-G	116+03.4	AA-1	A	B-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-168-C	117+45.4	AA-1	B	B-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-168-G	117+45.4	AA-1	B	B-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-167-C	118+40.7	AA-1	B	B-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-167-G	118+40.7	AA-1	B	B-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-166-C	119+36.0	AA-1	A	B-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-166-G	119+36.0	AA-1	A	B-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-165L-B	120+68.7	AA-4	A	B-8	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-165L-D	120+68.7	AA-4	A	B-8	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-165R-B	120+68.7	AA-5	A	B-10	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-165R-D	120+68.7	AA-5	A	B-10	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-164L-B	122+10.9	AA-4	B	B-11	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-164L-D	122+10.9	AA-4	B	B-11	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-164R-B	122+10.9	AA-5	B	B-13	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-164R-D	122+10.9	AA-5	B	B-13	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-163L-B	123+52.7	AA-4	A	B-14	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-163L-D	123+52.7	AA-4	A	B-14	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-163R-B	123+52.7	AA-5	A	B-16	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-163R-D	123+52.7	AA-5	A	B-16	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-162L-B	124+94.7	AA-4	B	B-17	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-162L-D	124+94.7	AA-4	B	B-17	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-162R-B	124+94.7	AA-5	B	B-19	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-162R-D	124+94.7	AA-5	B	B-19	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-161-C	126+36.7	BB-3	A	C-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-161-G	126+36.7	BB-3	A	C-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-160-C	127+78.7	BB-3	B	C-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10

**LEGEND**

- ● — 2" DIRECT BURIED CONDUIT
- ●● — 2" DIRECTIONAL DRILLED CONDUIT (UNLESS NOTED OTHERWISE IN PLANS)
- ● — 2" ABOVE GROUND, CONCRETE MOUNTED CONDUIT (UNLESS NOTED OTHERWISE IN PLANS)
- PROPOSED LOCATION OF 13" X 24" LIGHTING PULL BOX
- ◆ PROPOSED SERVICE POINT
- PROPOSED LOAD CENTER
- ◻ EXISTING LOAD CENTER
- ⋯ INLET PROTECTION SYSTEM

**LUMINAIRE INFORMATION**

MANUFACTURER: ACCLAIM LIGHTING, DYNA DRUM HO QW COLOR  
 DYNA DRUM HO QW 10°X60°.IES USED AS THE BASIS OF DESIGN,  
 WIRED FOR 240/480V OPERATION.  
 SEE POLE DATA TABLE FOR ARM MOUNTING CONFIGURATION, LENS TYPE, AND  
 ROTATION ANGLE. NEW LUMINAIRE. FOR STRUCTURAL ARM INFORMATION, SEE  
 DETAILS.

MANUFACTURER: ACCLAIM LIGHTING, DYNA DRUM SO  
 DYNA DRUM SO 60°.IES OR  
 DYNA DRUM SO 10°X60°.IES  
 USED AS THE BASIS OF DESIGN, WIRED FOR 240/480V OPERATION.  
 SEE POLE DATA TABLE FOR ARM MOUNTING CONFIGURATION, LENS TYPE, AND  
 ROTATION ANGLE. NEW LUMINAIRE. FOR STRUCTURAL ARM INFORMATION, SEE  
 DETAILS.

**TABLE ABBREVIATIONS**

- UNIV. = UNIVERSE
- STRUCT. = STRUCTURE
- R.W. = RETAINING WALL
- ABUT. = ABUTMENT
- S.B. = STRADDLE BENT
- CONFIG. = CONFIGURATION
- BOT. = BOTTOM
- DD SO = DYNA DRUM SO
- DD HO = DYNA DRUM HO
- OLS = OUTDOOR LINK SYSTEM
- STD. = STANDARD

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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		10
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POLE DATA

LUMINAIRE NO.	STATION	CIRCUIT	PHASE	DMX UNIV.	STRUCT. TYPE	ARM MOUNTING CONFIG.	HALF SNOOT	FIXTURE TYPE	LUMINAIRE LENS	CORD	ROTATION ANGLE Δ (°)	ROTATION ANGLE Θ (°)
L-160-G	127+78.7	BB-3	B	C-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-159-C	129+20.7	BB-3	A	C-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-159-G	129+20.7	BB-3	A	C-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-158-C	130+62.7	BB-2	A	C-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-158-G	130+62.7	BB-2	A	C-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-157-C	132+04.7	BB-2	B	C-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-157-G	132+04.7	BB-2	B	C-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-156-C	133+46.7	BB-2	B	C-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-156-G	133+46.7	BB-2	B	C-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-155-C	134+88.7	BB-2	A	C-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-155-G	134+88.7	BB-2	A	C-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-154-C	136+30.7	BB-1	B	C-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-154-G	136+30.7	BB-1	B	C-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-153-C	137+72.7	BB-1	A	C-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-153-G	137+72.7	BB-1	A	C-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-152-C	139+14.7	BB-1	B	C-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-152-G	139+14.7	BB-1	B	C-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-151-C	140+56.7	BB-1	A	C-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-151-G	140+56.7	BB-1	A	C-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-150-C	141+98.7	BB-4	A	D-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-150-G	141+98.7	BB-4	A	D-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-149-C	143+40.7	BB-4	B	D-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-149-G	143+40.7	BB-4	B	D-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-148-C	144+82.7	BB-4	A	D-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-148-G	144+82.7	BB-4	A	D-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-147-C	146+24.7	BB-4	B	D-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-147-G	146+24.7	BB-4	B	D-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-146-C	147+66.7	BB-5	A	D-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-146-G	147+66.7	BB-5	A	D-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-145-C	148+94.7	BB-5	A	D-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-145-G	148+94.7	BB-5	A	D-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-144-C	150+32.7	BB-5	B	D-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-144-G	150+32.7	BB-5	B	D-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-143-C	151+74.7	BB-5	A	D-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-143-G	151+74.7	BB-5	A	D-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-142-C	153+16.7	BB-6	A	D-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-142-G	153+16.7	BB-6	A	D-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-141-C	154+72.7	BB-6	B	D-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-141-G	154+72.7	BB-6	B	D-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-140-C	156+14.7	BB-6	A	D-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-140-G	156+14.7	BB-6	A	D-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-139-C	157+10.5	BB-6	B	E-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-139-G	157+10.5	BB-6	B	E-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-138A-C	158+06.4	CC-2	B	E-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-138A-G	158+06.4	CC-2	B	E-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-138-C	159+48.9	CC-2	A	E-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-138-G	159+48.9	CC-2	A	E-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-137-C	160+91.4	CC-2	B	E-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-137-G	160+91.4	CC-2	B	E-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-136-C	161+86.7	CC-2	A	E-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-136-G	161+86.7	CC-2	A	E-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-135-C	163+19.4	CC-1	A	E-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10

POLE DATA

LUMINAIRE NO.	STATION	CIRCUIT	PHASE	DMX UNIV.	STRUCT. TYPE	ARM MOUNTING CONFIG.	HALF SNOOT	FIXTURE TYPE	LUMINAIRE LENS	CORD	ROTATION ANGLE Δ (°)	ROTATION ANGLE Θ (°)
L-135-G	163+19.4	CC-1	A	E-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-134-C	164+61.4	CC-1	A	E-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-134-G	164+61.4	CC-1	A	E-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-133-C	166+03.4	CC-1	B	E-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-133-G	166+03.4	CC-1	B	E-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-132-C	167+45.4	CC-1	A	E-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-132-G	167+45.4	CC-1	A	E-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-131-C	168+87.4	CC-3	A	E-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-131-G	168+87.4	CC-3	A	E-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-130-C	170+29.4	CC-3	B	E-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-130-G	170+29.4	CC-3	B	E-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-129-C	171+71.6	CC-3	A	E-12	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-129-G	171+71.6	CC-3	A	E-12	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-128-C	173+14.0	CC-3	B	F-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-128-G	173+14.0	CC-3	B	F-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-127-C	174+56.4	CC-4	A	F-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-127-G	174+56.4	CC-4	A	F-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-126-C	175+98.9	CC-4	B	F-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-126-G	175+98.9	CC-4	B	F-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-125-C	177+40.8	CC-4	B	F-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-125-G	177+40.8	CC-4	B	F-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-124S-1	178+92.5	CC-4	A	F-7	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-124S-2	179+62.5	CC-4	B	F-7	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-124N-1	178+92.5	CC-5	A	F-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-124N-2	179+11.5	CC-5	B	F-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-124N-3	179+30.5	CC-5	A	F-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-124N-4	179+49.5	CC-5	B	F-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-124N-5	179+68.5	CC-5	A	F-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-124N-6	179+87.5	CC-5	B	F-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-124N-7	180+06.5	CC-5	A	F-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-124N-8	180+25.5	CC-5	B	F-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-124N-9	180+44.5	CC-5	A	F-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-124N-10	180+63.5	CC-5	B	F-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-124N-11	180+82.5	CC-5	A	F-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-124N-12	181+52.5	CC-5	B	F-8	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-124N-13	182+22.5	CC-5	A	F-8	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-123N-51	203+49.4	DD-1	B	G-1	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-123N-50	204+19.4	DD-1	A	G-1	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-123N-49	204+89.4	DD-1	B	G-1	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-123N-48	205+59.4	DD-1	A	G-1	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-123N-47	206+29.4	DD-1	B	G-1	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-123N-46	206+99.4	DD-1	A	G-1	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-123N-45	207+69.4	DD-1	B	G-1	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-123N-44	208+39.4	DD-1	A	G-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-43	208+58.4	DD-1	B	G-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-42	208+77.4	DD-1	A	G-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-41	208+96.4	DD-1	B	G-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-40	209+15.4	DD-1	A	G-1	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-39	209+34.4	DD-2	A	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
P.E. LICENSE NUMBER 76102  
KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

POLE DATA

SHEET NO.

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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

POLE DATA

LUMINAIRE NO.	STATION	CIRCUIT	PHASE	DMX UNIV.	STRUCT. TYPE	ARM MOUNTING CONFIG.	HALF SNOOT	FIXTURE TYPE	LUMINAIRE LENS	CORD	ROTATION ANGLE Δ (°)	ROTATION ANGLE Θ (°)
L-123N-38	209+53.4	DD-2	B	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-37	209+72.4	DD-2	A	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-36	209+91.4	DD-2	B	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-35	210+10.4	DD-2	A	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-34	210+29.4	DD-2	B	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-33	210+48.4	DD-2	A	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-32	210+67.4	DD-2	B	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-31	210+86.4	DD-2	A	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-30	211+05.4	DD-2	B	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-29	211+24.4	DD-2	A	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-28	211+43.4	DD-2	B	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-27	211+62.4	DD-2	A	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-26	211+81.4	DD-2	B	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-25	212+00.4	DD-2	A	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-24	212+19.4	DD-2	B	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-23	212+38.4	DD-2	A	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-22	212+57.4	DD-2	B	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-21	212+76.4	DD-2	A	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-20	212+95.4	DD-2	B	G-2	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-19	213+14.4	DD-2	A	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-18	213+33.4	DD-2	B	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-17	213+52.4	DD-2	A	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-16	213+71.4	DD-2	B	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-15	213+90.4	DD-2	A	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-14	214+09.4	DD-2	B	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-13	214+28.4	DD-2	A	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-12	214+47.4	DD-2	B	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-11	214+66.4	DD-2	A	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-10	214+85.4	DD-2	B	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-9	215+04.4	DD-2	A	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-8	215+23.4	DD-2	B	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-7	215+42.4	DD-2	A	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-6	215+61.4	DD-2	B	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-5	215+80.4	DD-2	A	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-4	215+99.4	DD-2	B	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-3	216+18.4	DD-2	A	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-2	216+37.4	DD-2	B	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123N-1	216+56.4	DD-2	A	G-3	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-123S-2	215+16.4	EE-1	B	H-1	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-123S-1	215+86.4	EE-1	A	H-1	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-122-C	218+07.8	EE-1	B	H-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-122-G	218+07.8	EE-1	B	H-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-121-C	219+49.6	EE-1	A	H-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-121-G	219+49.6	EE-1	A	H-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-120-C	220+91.4	EE-2	A	H-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-120-G	220+91.4	EE-2	A	H-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-119-C	222+33.3	EE-2	A	H-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-119-G	222+33.3	EE-2	A	H-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-118-C	223+75.2	EE-2	B	H-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10

POLE DATA

LUMINAIRE NO.	STATION	CIRCUIT	PHASE	DMX UNIV.	STRUCT. TYPE	ARM MOUNTING CONFIG.	HALF SNOOT	FIXTURE TYPE	LUMINAIRE LENS	CORD	ROTATION ANGLE Δ (°)	ROTATION ANGLE Θ (°)
L-118-G	223+75.2	EE-2	B	H-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-117-C	225+17.2	EE-2	A	H-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-117-G	225+17.2	EE-2	A	H-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-116-C	226+59.2	EE-3	A	H-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-116-G	226+59.2	EE-3	A	H-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-115-C	228+01.2	EE-3	B	H-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-115-G	228+01.2	EE-3	B	H-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-114-C	229+43.2	EE-3	A	H-12	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-114-G	229+43.2	EE-3	A	H-12	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-113-C	230+85.2	EE-3	B	I-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-113-G	230+85.2	EE-3	B	I-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-112-C	232+27.2	FF-2	A	I-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-112-G	232+27.2	FF-2	A	I-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-111-C	233+69.2	FF-2	A	I-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-111-G	233+69.2	FF-2	A	I-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-110-C	235+11.2	FF-1	A	I-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-110-G	235+11.2	FF-1	A	I-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-109-C	236+53.2	FF-1	B	I-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-109-G	236+53.2	FF-1	B	I-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-108-C	237+95.2	FF-1	B	I-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-108-G	237+95.2	FF-1	B	I-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-107-C	239+37.2	FF-1	A	I-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-107-G	239+37.2	FF-1	A	I-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-106-C	240+79.2	FF-3	A	I-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-106-G	240+79.2	FF-3	A	I-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-105-C	242+21.2	FF-3	B	J-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-105-G	242+21.2	FF-3	B	J-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-104-C	243+63.2	FF-3	A	J-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-104-G	243+63.2	FF-3	A	J-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-103-C	245+05.2	FF-3	B	J-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-103-G	245+05.2	FF-3	B	J-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-102-C	246+47.2	FF-4	A	J-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-102-G	246+47.2	FF-4	A	J-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-101-C	247+89.2	FF-4	B	J-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-101-G	247+89.2	FF-4	B	J-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-100-C	249+31.2	FF-4	B	J-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-100-G	249+31.2	FF-4	B	J-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-99-C	250+73.2	FF-4	A	J-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-99-G	250+73.2	FF-4	A	J-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-98-C	252+15.2	GG-3	A	J-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-98-G	252+15.2	GG-3	A	J-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-97-C	253+57.2	GG-3	B	J-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-97-G	253+57.2	GG-3	B	J-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-96-C	254+99.2	GG-3	A	J-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-96-G	254+99.2	GG-3	A	J-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-95-C	256+41.2	GG-2	B	J-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-95-G	256+41.2	GG-2	B	J-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-94-C	257+83.2	GG-2	A	K-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-94-G	257+83.2	GG-2	A	K-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-93-C	259+25.2	GG-2	B	K-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-93-G	259+25.2	GG-2	B	K-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-92-C	260+67.2	GG-2	A	K-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
P.E. LICENSE NUMBER 76102  
KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

POLE DATA

SHEET NO.

12

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

POLE DATA

LUMINAIRE NO.	STATION	CIRCUIT	PHASE	DMX UNIV.	STRUCT. TYPE	ARM MOUNTING CONFIG.	HALF SNOOT	FIXTURE TYPE	LUMINAIRE LENS	CORD	ROTATION ANGLE Δ (°)	ROTATION ANGLE Θ (°)
L-92-G	260+67.2	GG-2	A	K-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-91-C	262+09.2	GG-1	A	K-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-91-G	262+09.2	GG-1	A	K-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-90-C	263+51.2	GG-1	A	K-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-90-G	263+51.2	GG-1	A	K-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-89-C	264+93.2	GG-1	B	K-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-89-G	264+93.2	GG-1	B	K-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-88-C	266+35.2	GG-1	A	K-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-88-G	266+35.2	GG-1	A	K-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-87-C	267+77.2	GG-4	A	K-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-87-G	267+77.2	GG-4	A	K-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-86-C	269+19.2	GG-4	B	L-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-86-G	269+19.2	GG-4	B	L-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-85-C	270+61.2	GG-4	A	L-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-85-G	270+61.2	GG-4	A	L-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-84-C	271+75.2	GG-4	B	L-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-84-G	271+75.2	GG-4	B	L-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-83-C	273+17.2	GG-5	A	L-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-83-G	273+17.2	GG-5	A	L-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-82-C	274+59.2	GG-5	B	L-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-82-G	274+59.2	GG-5	B	L-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-81-C	276+01.2	GG-5	A	L-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-81-G	276+01.2	GG-5	A	L-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-80-C	277+15.2	GG-5	A	L-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-80-G	277+15.2	GG-5	A	L-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-79-C	278+47.9	GG-6	A	L-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-79-G	278+47.9	GG-6	A	L-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-78-C	279+89.9	GG-6	B	L-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-78-G	279+89.9	GG-6	B	L-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-77-C	281+31.9	GG-6	A	L-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-77-G	281+31.9	GG-6	A	L-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-76-C	282+73.9	GG-6	B	L-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-76-G	282+73.9	GG-6	B	L-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-75-C	284+15.9	HH-2	A	M-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-75-G	284+15.9	HH-2	A	M-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-74-C	285+57.9	HH-2	B	M-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-74-G	285+57.9	HH-2	B	M-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-73-C	286+99.9	HH-2	A	M-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-73-G	286+99.9	HH-2	A	M-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-72-C	288+32.5	HH-1	B	M-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-72-G	288+32.5	HH-1	B	M-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-71-C	289+65.2	HH-1	A	M-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-71-G	289+65.2	HH-1	A	M-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-70-C	290+88.5	HH-1	B	M-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-70-G	290+88.5	HH-1	B	M-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-69-C	292+11.9	HH-1	A	M-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-69-G	292+11.9	HH-1	A	M-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-68-C	293+35.2	HH-3	A	M-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-68-G	293+35.2	HH-3	A	M-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-67-C	294+77.2	HH-3	A	M-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-67-G	294+77.2	HH-3	A	M-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-66-C	296+19.2	HH-3	B	M-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10

POLE DATA

LUMINAIRE NO.	STATION	CIRCUIT	PHASE	DMX UNIV.	STRUCT. TYPE	ARM MOUNTING CONFIG.	HALF SNOOT	FIXTURE TYPE	LUMINAIRE LENS	CORD	ROTATION ANGLE Δ (°)	ROTATION ANGLE Θ (°)
L-66-G	296+19.2	HH-3	B	M-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-65-C	297+61.2	HH-3	A	M-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-65-G	297+61.2	HH-3	A	M-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-64-C	299+03.2	HH-4	A	M-12	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-64-G	299+03.2	HH-4	A	M-12	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-63-C	300+45.2	HH-4	B	N-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-63-G	300+45.2	HH-4	B	N-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-62-C	301+87.2	HH-4	A	N-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-62-G	301+87.2	HH-4	A	N-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-61-C	303+29.2	HH-5	A	N-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-61-G	303+29.2	HH-5	A	N-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-60-C	304+71.2	HH-5	B	N-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-60-G	304+71.2	HH-5	B	N-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-59-C	306+13.2	II-3	B	N-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-59-G	306+13.2	II-3	B	N-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-58-C	307+55.2	II-3	A	N-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-58-G	307+55.2	II-3	A	N-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-57-C	308+97.2	II-3	A	N-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-57-G	308+97.2	II-3	A	N-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-56-C	310+39.2	II-2	B	N-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-56-G	310+39.2	II-2	B	N-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-55-C	311+81.2	II-2	A	N-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-55-G	311+81.2	II-2	A	N-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-54-C	313+23.2	II-2	B	N-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-54-G	313+23.2	II-2	B	N-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-53-C	314+65.2	II-2	A	N-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-53-G	314+65.2	II-2	A	N-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-52-C	316+07.2	II-1	B	N-12	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-52-G	316+07.2	II-1	B	N-12	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-51-C	317+49.2	II-1	A	O-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-51-G	317+49.2	II-1	A	O-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-50-C	318+91.2	II-1	B	O-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-50-G	318+91.2	II-1	B	O-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-49-C	320+33.2	II-1	A	O-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-49-G	320+33.2	II-1	A	O-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-48-C	321+65.8	II-4	A	O-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-48-G	321+65.8	II-4	A	O-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-47-C	322+98.5	II-4	A	O-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-47-G	322+98.5	II-4	A	O-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-46L-B	324+40.5	II-6	A	E-6	S.B	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-46L-D	324+40.5	II-6	A	E-6	S.B	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-46R-B	324+40.5	II-5	A	E-8	S.B	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-46R-D	324+40.5	II-5	A	E-8	S.B	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-45L-B	325+82.5	II-6	B	E-9	S.B	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-45L-D	325+82.5	II-6	B	E-9	S.B	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-45R-B	325+82.5	II-5	B	E-11	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-45R-D	325+82.5	II-5	B	E-11	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-44L-B	327+24.5	II-6	A	E-12	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-44L-D	327+24.5	II-6	A	E-12	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-44R-B	327+24.5	II-5	A	E-14	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-44R-D	327+24.5	II-5	A	E-14	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-43L-B	328+66.5	II-6	B	E-15	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
P.E. LICENSE NUMBER 76102  
KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

POLE DATA

SHEET NO.

13

POLE DATA

LUMINAIRE NO.	STATION	CIRCUIT	PHASE	DMX UNIV.	STRUCT. TYPE	ARM MOUNTING CONFIG.	HALF SNOOT	FIXTURE TYPE	LUMINAIRE LENS	CORD	ROTATION ANGLE Δ (°)	ROTATION ANGLE Θ (°)
L-43L-D	328+66.5	11-6	B	E-15	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-43R-B	328+66.5	11-5	B	E-17	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-43R-D	328+66.5	11-5	B	E-17	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-42L-B	330+08.5	11-6	A	E-18	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-42L-D	330+08.5	11-6	A	E-18	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-42R-B	330+08.5	11-5	A	E-20	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-42R-D	330+08.5	11-5	A	E-20	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-41-C	331+50.5	JJ-3	B	P-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-41-G	331+50.5	JJ-3	B	P-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-40-C	332+92.5	JJ-3	A	P-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-40-G	332+92.5	JJ-3	A	P-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-39-C	334+25.2	JJ-3	A	P-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-39-G	334+25.2	JJ-3	A	P-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-38-C	335+57.9	JJ-2	B	P-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-38-G	335+57.9	JJ-2	B	P-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-37-C	336+99.9	JJ-2	A	P-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-37-G	336+99.9	JJ-2	A	P-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-36-C	338+41.9	JJ-2	B	P-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-36-G	338+41.9	JJ-2	B	P-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-35-C	339+74.5	JJ-2	A	P-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-35-G	339+74.5	JJ-1	A	P-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-34-C	341+07.2	JJ-1	B	P-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-34-G	341+07.2	JJ-1	B	P-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-33-C	342+39.9	JJ-1	B	Q-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-33-G	342+39.9	JJ-1	B	Q-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-32-C	343+72.5	JJ-1	A	Q-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-32-G	343+72.5	JJ-1	A	Q-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-31-C	344+95.9	JJ-1	B	Q-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-31-G	344+95.9	JJ-1	B	Q-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-30-C	346+19.2	JJ-6	A	Q-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-30-G	346+19.2	JJ-6	A	Q-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-29L-B	347+61.2	JJ-4	A	Q-5	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-29L-D	347+61.2	JJ-4	A	Q-5	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-29R-B	347+61.2	JJ-5	A	Q-7	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-29R-D	347+61.2	JJ-5	A	Q-7	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-28L-B	349+03.2	JJ-4	B	Q-8	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-28L-D	349+03.2	JJ-4	B	Q-8	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-28R-B	349+03.2	JJ-5	B	Q-10	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-28R-D	349+03.2	JJ-5	B	Q-10	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-27L-B	350+45.2	JJ-4	A	Q-11	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-27L-D	350+45.2	JJ-4	A	Q-11	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-27R-B	350+45.2	JJ-5	A	Q-13	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-27R-D	350+45.2	JJ-5	A	Q-13	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-26L-B	351+87.2	JJ-4	B	Q-14	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-26L-D	351+87.2	JJ-4	B	Q-14	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-26R-B	351+87.2	JJ-5	B	Q-16	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-26R-D	351+87.2	JJ-5	B	Q-16	S.B.	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-25-C	353+29.2	JJ-6	B	R-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-25-G	353+29.2	JJ-6	B	R-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-24-C	354+71.2	JJ-7	A	R-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-24-G	354+71.2	JJ-7	A	R-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-23-C	356+13.2	JJ-7	B	R-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10

POLE DATA

LUMINAIRE NO.	STATION	CIRCUIT	PHASE	DMX UNIV.	STRUCT. TYPE	ARM MOUNTING CONFIG.	HALF SNOOT	FIXTURE TYPE	LUMINAIRE LENS	CORD	ROTATION ANGLE Δ (°)	ROTATION ANGLE Θ (°)
L-23-G	356+13.2	JJ-7	B	R-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-22-C	357+55.2	JJ-7	A	R-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-22-G	357+55.2	JJ-7	A	R-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-21-C	358+97.2	JJ-7	B	R-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-21-G	358+97.2	JJ-7	B	R-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-20-C	360+29.6	JJ-7	A	R-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-20-G	360+29.6	JJ-7	A	R-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-19-C	361+61.9	KK-3	B	R-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-19-G	361+61.9	KK-3	B	R-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-18-C	362+94.2	KK-3	A	R-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-18-G	362+94.2	KK-3	A	R-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-17-C	364+26.6	KK-2	B	R-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-17-G	364+26.6	KK-2	B	R-9	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-16-C	365+58.9	KK-2	A	R-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-16-G	365+58.9	KK-2	A	R-10	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-15-C	366+91.2	KK-2	B	R-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-15-G	366+91.2	KK-2	B	R-11	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-14-C	368+23.6	KK-2	A	R-12	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-14-G	368+23.6	KK-2	A	R-12	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-13-C	369+55.9	KK-1	B	S-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-13-G	369+55.9	KK-1	B	S-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-12-C	370+97.9	KK-1	A	S-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-12-G	370+97.9	KK-1	A	S-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-11-C	372+39.9	KK-1	B	S-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-11-G	372+39.9	KK-1	B	S-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-10-C	373+81.9	KK-1	A	S-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-10-G	373+81.9	KK-1	A	S-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-9-C	375+23.9	KK-4	B	S-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-9-G	375+23.9	KK-4	B	S-5	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-8-C	376+65.9	KK-4	A	S-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-8-G	376+65.9	KK-4	A	S-6	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-7-C	378+07.9	KK-4	B	S-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-7-G	378+07.9	KK-4	B	S-7	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-6-C	379+49.9	KK-4	A	S-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-6-G	379+49.9	KK-4	A	S-8	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-5-C	380+91.9	KK-5	A	T-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-5-G	380+91.9	KK-5	A	T-1	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-4-C	382+33.9	KK-5	B	T-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-4-G	382+33.9	KK-5	B	T-2	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-3-C	383+75.9	KK-5	A	T-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-3-G	383+75.9	KK-5	A	T-3	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-2-C	385+17.9	KK-5	B	T-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-2-G	385+17.9	KK-5	B	T-4	PIER	BOT.	NO	DD SO	10°x60°	OLS	90	10
L-1-B	386+60.1	KK-6	A	T-5	ABUT.	BOT.	NO	DD SO	60°	OLS	90	42
L-1-E	386+60.1	KK-6	B	T-6	ABUT.	BOT.	NO	DD SO	60°	OLS	90	42
L-1-H	386+60.1	KK-6	A	T-5	ABUT.	BOT.	NO	DD SO	60°	OLS	90	42
L-15-1	386+69.6	KK-7	A	T-7	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-15-2	386+88.6	KK-7	B	T-7	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-15-3	387+07.6	KK-7	A	T-7	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-15-4	387+26.6	KK-7	B	T-7	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-15-5	387+45.6	KK-7	A	T-7	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-15-6	387+64.6	KK-7	B	T-7	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
P.E. LICENSE NUMBER 76102  
KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

POLE DATA

SHEET NO.

14

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

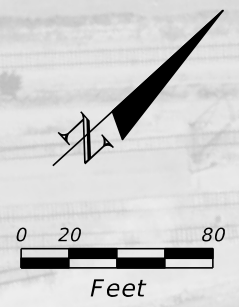
**POLE DATA**

LUMINAIRE NO.	STATION	CIRCUIT	PHASE	DMX UNIV.	STRUCT. TYPE	ARM MOUNTING CONFIG.	HALF SNOOT	FIXTURE TYPE	LUMINAIRE LENS	CORD	ROTATION ANGLE Δ (°)	ROTATION ANGLE Θ (°)
L-1S-7	387+83.6	KK-7	A	T-7	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1S-8	388+02.6	KK-7	B	T-7	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1S-9	388+21.6	KK-7	A	T-7	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1S-10	388+40.6	KK-7	B	T-7	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1S-11	388+59.6	KK-7	A	T-7	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1S-12	389+29.6	KK-7	B	T-7	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-1S-13	389+99.6	KK-7	A	T-7	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-1S-14	390+69.6	KK-7	B	T-7	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-1N-1	386+69.6	KK-8	A	T-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1N-2	386+88.6	KK-8	B	T-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1N-3	387+07.6	KK-8	A	T-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1N-4	387+26.6	KK-8	B	T-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1N-5	387+45.6	KK-8	A	T-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1N-6	387+64.6	KK-8	B	T-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1N-7	387+83.6	KK-8	A	T-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1N-8	388+02.6	KK-8	B	T-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1N-9	388+21.6	KK-8	A	T-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1N-10	388+40.6	KK-8	B	T-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1N-11	388+59.6	KK-8	A	T-8	R.W.	BOT.	NO	DD SO	10°x60°	STD.	135	26
L-1N-12	389+29.6	KK-8	B	T-8	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-1N-13	389+99.6	KK-8	A	T-8	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42
L-1N-14	390+69.6	KK-8	B	T-8	R.W.	BOT.	NO	DD HO	10°x60°	STD.	160	42

<b>REVISIONS</b>				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	<b>TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY</b>			<b>POLE DATA</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		15
					S.R. 618	HILLSBOROUGH	O-01217		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

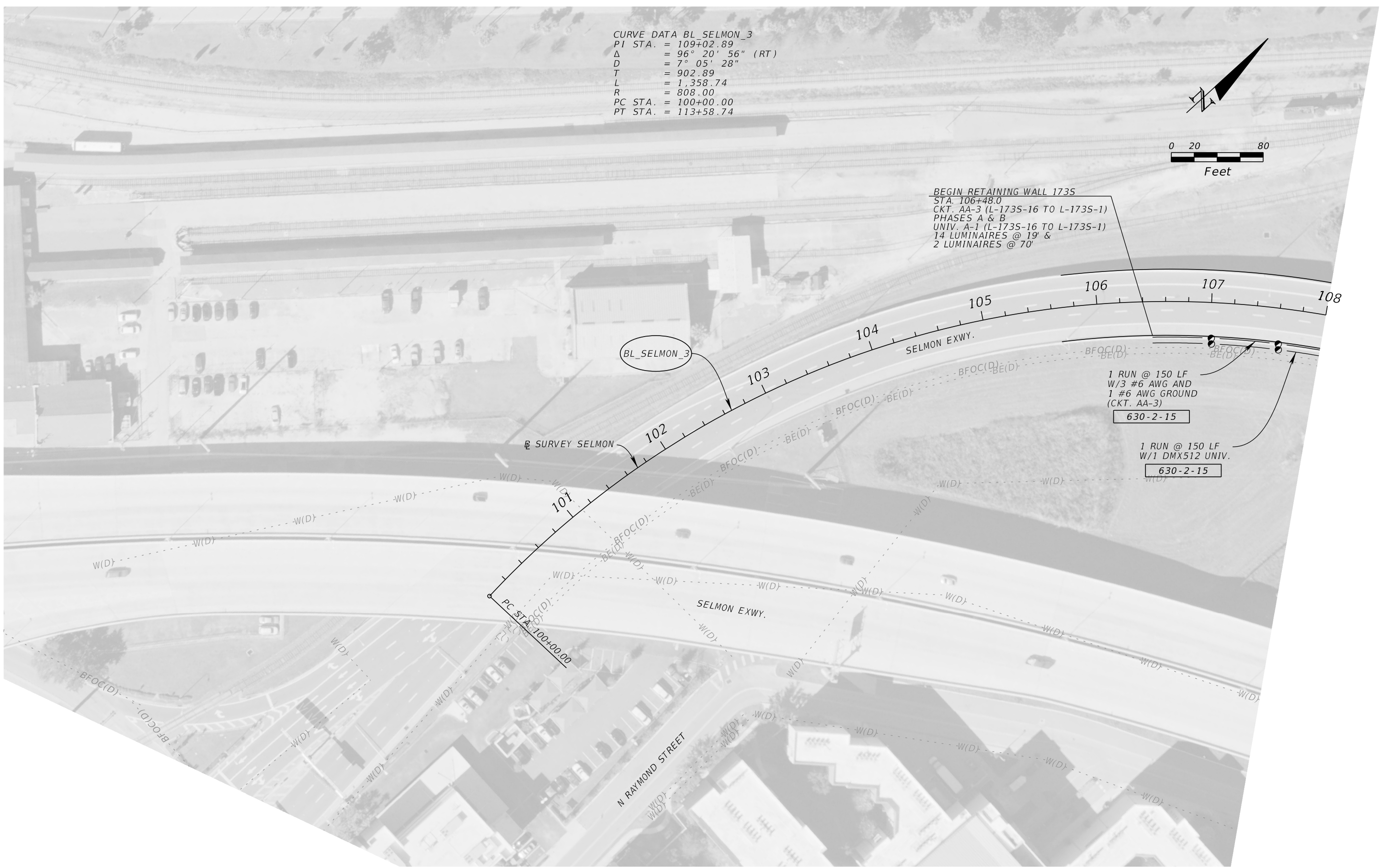
CURVE DATA BL\_SELMON\_3  
 PI STA. = 109+02.89  
 $\Delta$  = 96° 20' 56" (RT)  
 D = 7° 05' 28"  
 T = 902.89  
 L = 1,358.74  
 R = 808.00  
 PC STA. = 100+00.00  
 PT STA. = 113+58.74



BEGIN RETAINING WALL 1735  
 STA. 106+48.0  
 CKT. AA-3 (L-1735-16 TO L-1735-1)  
 PHASES A & B  
 UNIV. A-1 (L-1735-16 TO L-1735-1)  
 14 LUMINAIRES @ 19' &  
 2 LUMINAIRES @ 70'

1 RUN @ 150 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. AA-3)  
 630-2-15

1 RUN @ 150 LF  
 W/1 DMX512 UNIV.  
 630-2-15

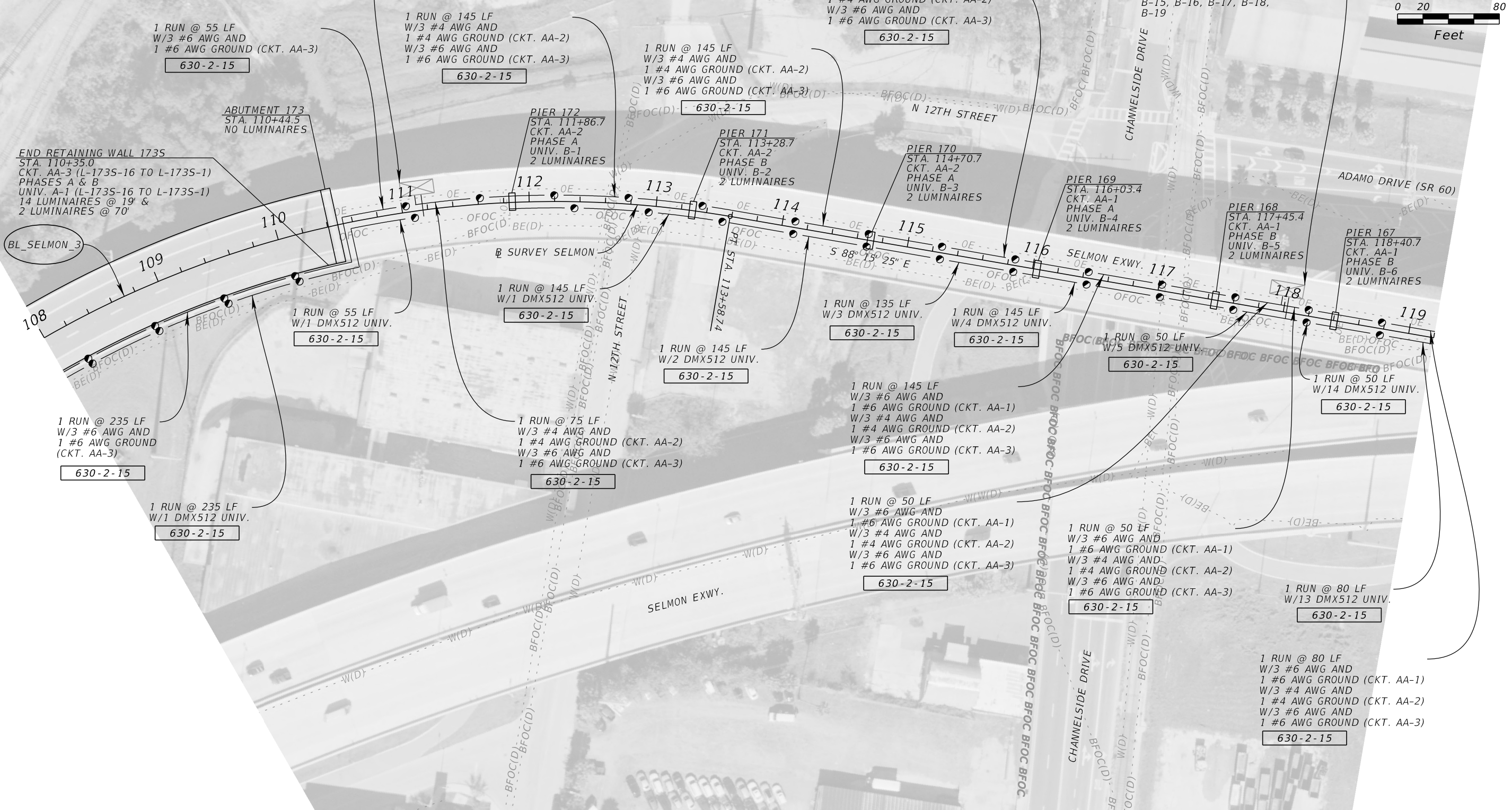


REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>LIGHTING PLAN (1)</b>	SHEET NO.  16
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
				S.R. 618	HILLSBOROUGH	O-01217			

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

CURVE DATA BL SELMON\_3  
 PI STA. = 109+02.89  
 Δ = 96° 20' 56" (RT)  
 D = 7° 05' 28"  
 T = 902.89  
 L = 1,358.74  
 R = 808.00  
 PC STA. = 100+00.00  
 PT STA. = 113+58.74

CABINET B  
 SEE ITS PLANS  
 DMX512 #22 AWG  
 SINGLE TWISTED PAIR  
 W/ #22 AWG GROUND  
 CKT. AA-1  
 PHASE A  
 BEGIN DMX512 UNIV.  
 B-1, B-2, B-3, B-4, B-5,  
 B-6, B-7, B-8, B-9, B-10,  
 B-11, B-12, B-13, B-14,  
 B-15, B-16, B-17, B-18,  
 B-19



REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			SHEET NO.  <b>17</b>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
				S.R. 618	HILLSBOROUGH	O-01217	<b>LIGHTING PLAN (2)</b>	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LOAD CENTER AA  
 STA. 120+41.36, 25.28 LT.  
 240/480V 2 PHASE  
 3 WIRE + GROUND  
 MAIN BREAKER 150 AMP  
 BEGIN CKT. - CKT. BREAKER:  
 AA-1 - 30 AMP  
 AA-2 - 30 AMP  
 AA-3 - 20 AMP  
 AA-4 - 20 AMP  
 AA-5 - 20 AMP  
 AA-6 - 20 AMP

1 RUN @ 110 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-1)  
 W/3 #4 AWG AND  
 1 #4 AWG GROUND (CKT. AA-2)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-3)  
 630-2-11

1 RUN @ 110 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-4)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-5)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-6)  
 630-2-11

PIER 166  
 STA. 119+36.0  
 CKT. AA-1  
 PHASE A  
 UNIV. B-7  
 2 LUMINAIRES

1 RUN OF 0.5" @ 50 LF  
 W/1 DMX512 UNIV.  
 630-2-15

1 RUN OF 1" @ 50 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-5)  
 630-2-15

1 RUN @ 135 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-4)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-5)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-6)  
 630-2-15

1 RUN @ 135 LF  
 W/12 DMX512 UNIV.  
 630-2-15

1 RUN @ 15 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-1)  
 W/3 #4 AWG AND  
 1 #4 AWG GROUND (CKT. AA-2)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-3)  
 630-2-15

1 RUN @ 15 LF  
 W/13 DMX512 UNIV.  
 630-2-15

1 RUN @ 45 LF  
 W/3 #1/0 AWG AND  
 1 #1/0 AWG GROUND  
 630-2-11

PROPOSED SERVICE  
 POINT LOCATION  
 SERVICE DROP  
 BY OTHERS

1 RUN OF 1" @ 30 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. AA-4)  
 630-2-15

STRADDLE BENT 165L  
 STA. 120+68.7  
 CKT. AA-4  
 PHASE A  
 UNIV. B-8  
 2 LUMINAIRES

1 RUN OF 0.5" @ 30 LF  
 W/1 DMX512 UNIV.  
 630-2-15

1 RUN @ 145 LF  
 W/9 DMX512 UNIV.  
 630-2-15

1 RUN OF 1" @ 30 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. AA-5)  
 630-2-15

1 RUN OF 0.5" @ 30 LF  
 W/1 DMX512 UNIV.  
 630-2-15

STRADDLE BENT 165R  
 STA. 120+68.7  
 CKT. AA-5  
 PHASE A  
 UNIV. B-10  
 2 LUMINAIRES

1 RUN @ 145 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-4)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-5)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-6)  
 630-2-15

1 RUN @ 145 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-4)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-5)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. AA-6)  
 630-2-15

630-2-15

630-2-15

630-2-15

1 RUN OF 1" @ 45 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. AA-4)  
 630-2-15

1 RUN OF 0.5" @ 45 LF  
 W/1 DMX512 UNIV.  
 630-2-15

STRADDLE BENT 164L  
 STA. 122+10.9  
 CKT. AA-4  
 PHASE B  
 UNIV. B-11  
 2 LUMINAIRES

1 RUN @ 145 LF  
 W/6 DMX512 UNIV.  
 630-2-15

1 RUN @ 145 LF  
 W/3 DMX512 UNIV.  
 630-2-15

STRADDLE BENT 164R  
 STA. 122+10.9  
 CKT. AA-5  
 PHASE B  
 UNIV. B-13  
 2 LUMINAIRES

1 RUN OF 0.5" @ 30 LF  
 W/1 DMX512 UNIV.  
 630-2-15

1 RUN @ 145 LF  
 W/3 DMX512 UNIV.  
 630-2-15

STRADDLE BENT 163R  
 STA. 123+52.7  
 CKT. AA-5  
 PHASE A  
 UNIV. B-16  
 2 LUMINAIRES

1 RUN OF 0.5" @ 30 LF  
 W/1 DMX512 UNIV.  
 630-2-15

1 RUN OF 1" @ 30 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. AA-5)  
 630-2-15

630-2-15

1 RUN OF 1" @ 65 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. AA-4)  
 630-2-15

630-2-15

1 RUN OF 0.5" @ 65 LF  
 W/1 DMX512 UNIV.  
 630-2-15

STRADDLE BENT 162L  
 STA. 124+94.7  
 CKT. AA-4  
 PHASE B  
 UNIV. B-17  
 2 LUMINAIRES

STRADDLE BENT 163L  
 STA. 123+52.7  
 CKT. AA-4  
 PHASE A  
 UNIV. B-14  
 2 LUMINAIRES

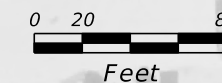
1 RUN @ 145 LF  
 W/1 DMX512 UNIV.  
 630-2-15

1 RUN @ 145 LF  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND  
 (CKT. BB-3)  
 630-2-15

1 RUN OF 0.5" @ 20 LF  
 W/1 DMX512 UNIV.  
 630-2-15

1 RUN OF 1" @ 20 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. AA-5)  
 630-2-15

630-2-15



ADAMO DRIVE (SR 60)

BL SELMON 6

PIER 161  
 STA. 126+36.7  
 CKT. BB-3  
 PHASE A  
 UNIV. C-1  
 2 LUMINAIRES

1 RUN @ 145 LF  
 W/1 DMX512 UNIV.  
 630-2-15

1 RUN @ 145 LF  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND  
 (CKT. BB-3)  
 630-2-15

1 RUN OF 0.5" @ 20 LF  
 W/1 DMX512 UNIV.  
 630-2-15

1 RUN OF 1" @ 20 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. AA-5)  
 630-2-15

630-2-15

PIER 160  
 STA. 127+78.7  
 CKT. BB-3  
 PHASE B  
 UNIV. C-2  
 2 LUMINAIRES

1 RUN @ 145 LF  
 W/2 DMX512 UNIV.  
 630-2-15

1 RUN @ 145 LF  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND  
 (CKT. BB-3)  
 630-2-15

630-2-15

PIER 159  
 STA. 129+20.7  
 CKT. BB-3  
 PHASE A  
 UNIV. C-3  
 2 LUMINAIRES

1 RUN @ 120 LF  
 W/3 DMX512 UNIV.  
 630-2-15

1 RUN @ 120 LF  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND  
 (CKT. BB-3)  
 630-2-15

630-2-15

CURVE DATA BL SELMON 6  
 PI STA. = 128+12.71  
 Δ = 2° 23' 12" (LT)  
 D = 0° 30' 00"  
 T = 238.70  
 L = 477.32  
 R = 11,459.00  
 PC STA. = 125+74.02  
 PT STA. = 130+51.34

LEGEND  
 SEE EROSION CONTROL  
 DETAIL SHEET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

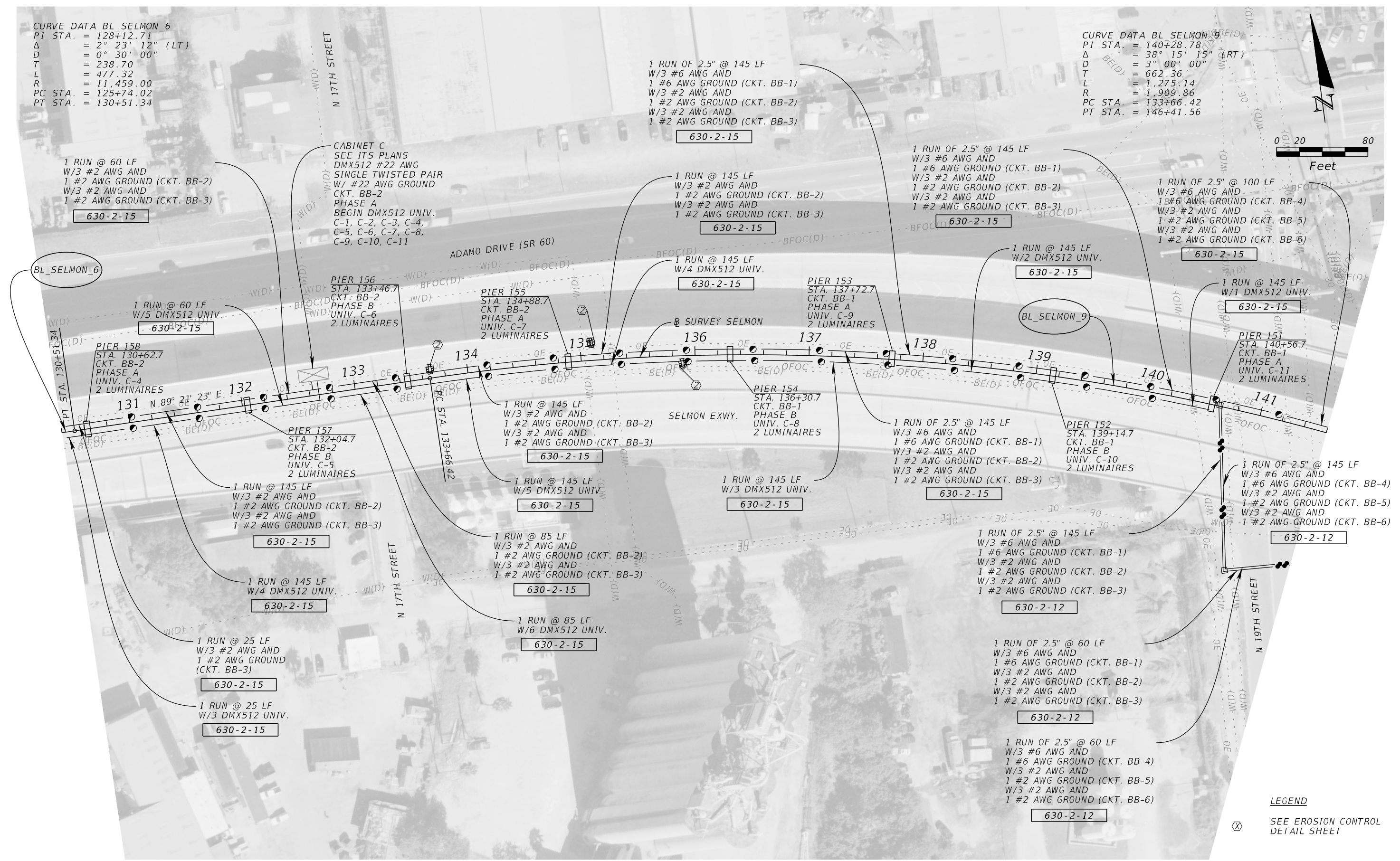
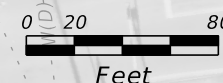
**LIGHTING PLAN (3)**

SHEET  
NO.  
**18**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

CURVE DATA BL\_SELMON\_6  
 PI STA. = 128+12.71  
 Δ = 2° 23' 12" (LT)  
 D = 0° 30' 00"  
 T = 238.70  
 L = 477.32  
 R = 11,459.00  
 PC STA. = 125+74.02  
 PT STA. = 130+51.34

CURVE DATA BL\_SELMON\_9  
 PI STA. = 140+28.78  
 Δ = 38° 15' 15" (RT)  
 D = 3° 00' 00"  
 T = 662.36  
 L = 1,275.14  
 R = 1,909.86  
 PC STA. = 133+66.42  
 PT STA. = 146+41.56



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

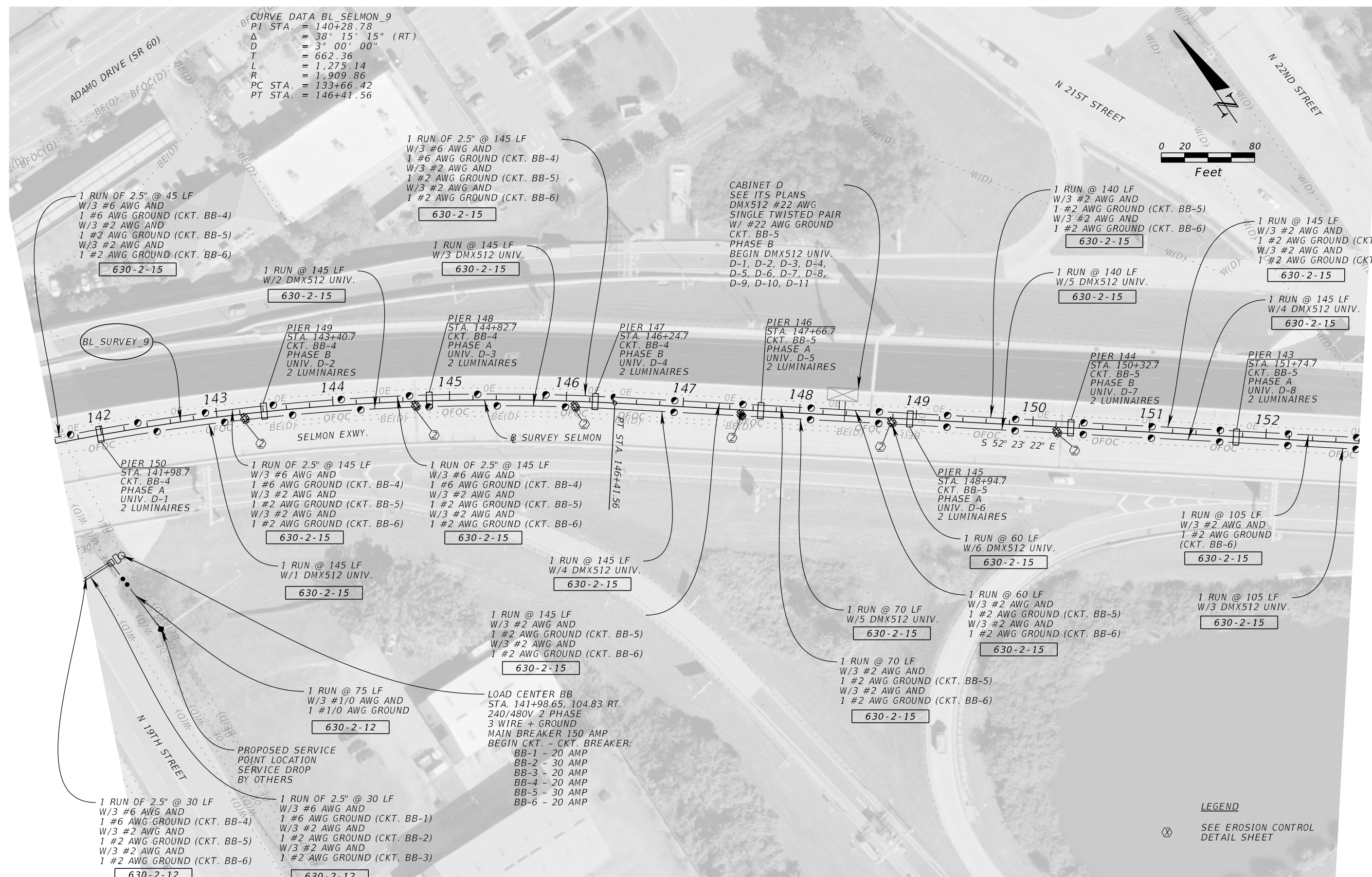
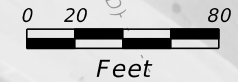
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**LIGHTING PLAN (4)**

SHEET NO.  
**19**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

CURVE DATA BL SELMON\_9  
 PI STA. = 140+28.78  
 $\Delta$  = 38° 15' 15" (RT)  
 D = 3° 00' 00"  
 T = 662.36  
 L = 1,275.14  
 R = 1,909.86  
 PC STA. = 133+66.42  
 PT STA. = 146+41.56



CABINET D  
 SEE ITS PLANS  
 DMX512 #22 AWG  
 SINGLE TWISTED PAIR  
 W/ #22 AWG GROUND  
 CKT. BB-5  
 PHASE B  
 BEGIN DMX512 UNIV.  
 D-1, D-2, D-3, D-4,  
 D-5, D-6, D-7, D-8,  
 D-9, D-10, D-11

LOAD CENTER BB  
 STA. 141+98.65, 104.83 RT.  
 240/480V 2 PHASE  
 3 WIRE + GROUND  
 MAIN BREAKER 150 AMP  
 BEGIN CKT. - CKT. BREAKER:  
 BB-1 - 20 AMP  
 BB-2 - 30 AMP  
 BB-3 - 20 AMP  
 BB-4 - 20 AMP  
 BB-5 - 30 AMP  
 BB-6 - 20 AMP

LEGEND  
 (X) SEE EROSION CONTROL  
 DETAIL SHEET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

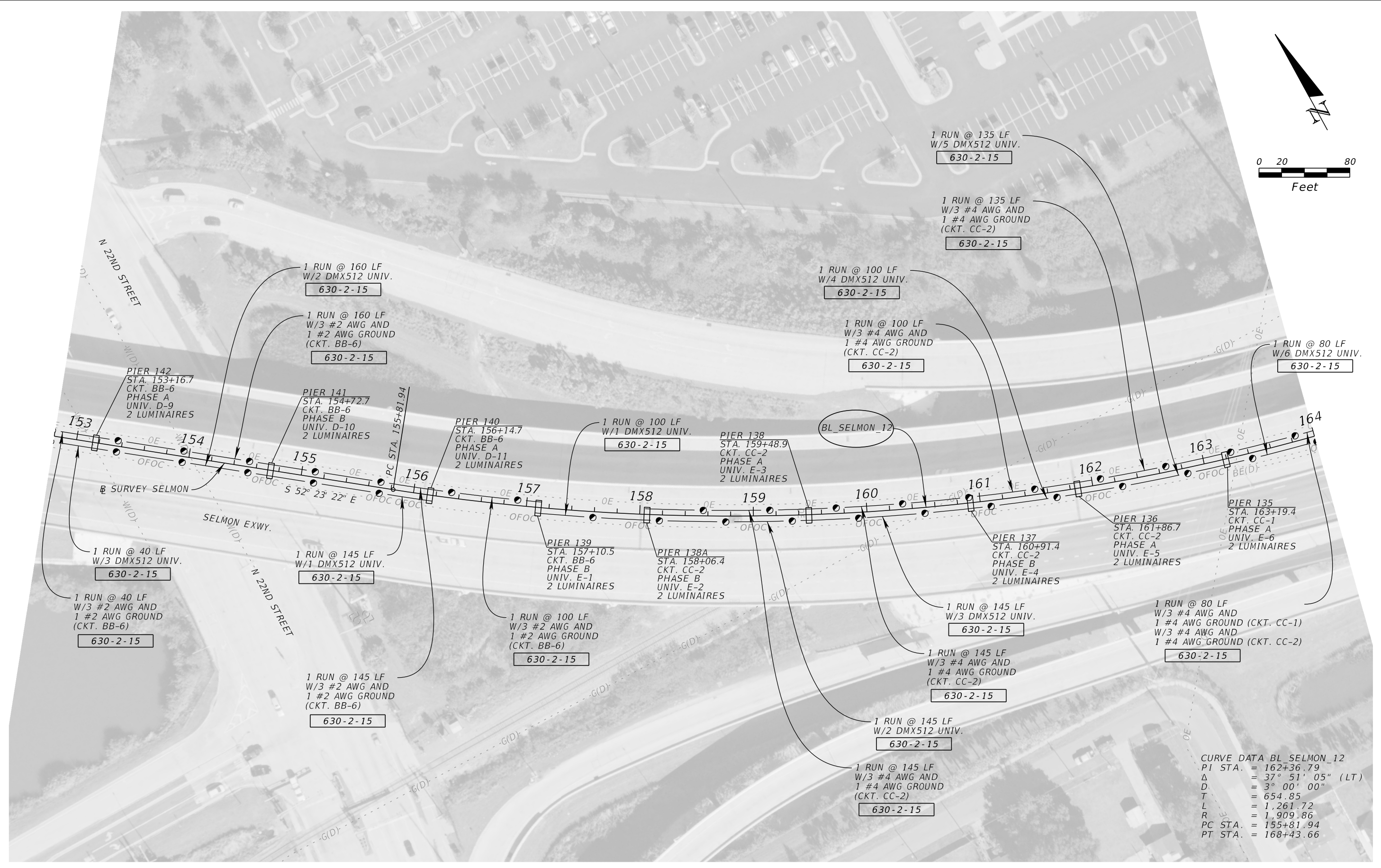
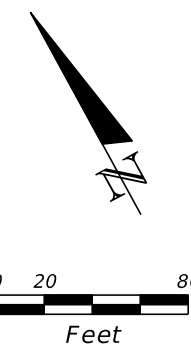
JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

LIGHTING PLAN (5)

SHEET  
NO.  
20

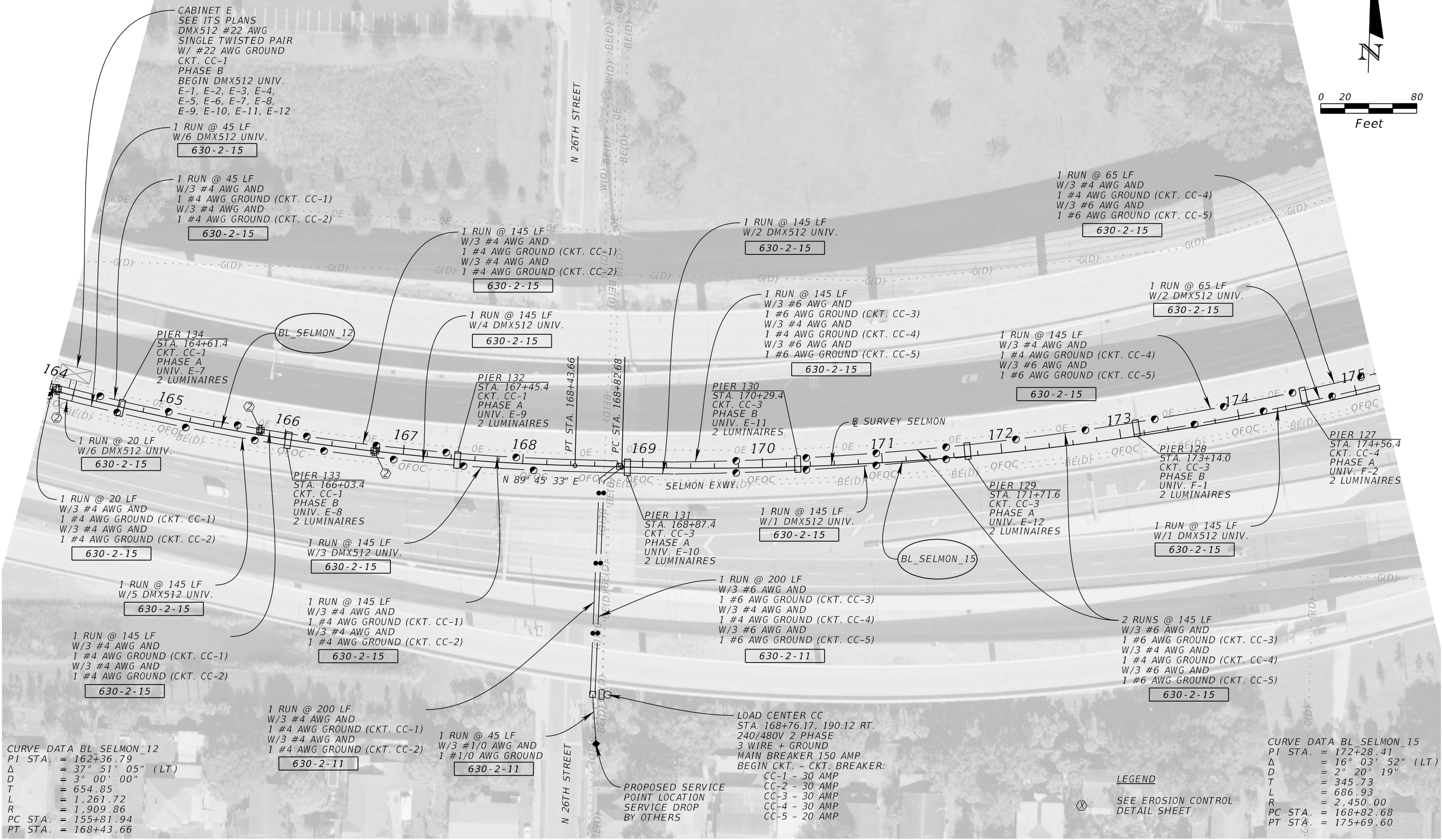
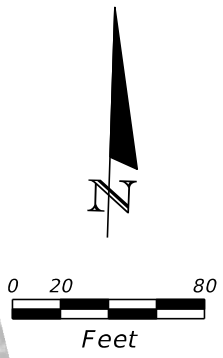
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CURVE DATA BL SELMON\_12  
 PI STA. = 162+36.79  
 Δ = 37° 51' 05" (LT)  
 D = 3° 00' 00"  
 T = 654.85  
 L = 1,261.72  
 R = 1,909.86  
 PC STA. = 155+81.94  
 PT STA. = 168+43.66

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			SHEET NO.  21
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R. 618	HILLSBOROUGH	O-01217	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



**CURVE DATA BL SELMON 12**  
PI STA. = 162+36.79  
Δ = 37° 51' 05" (LT)  
D = 3° 00' 00"  
T = 654.85  
L = 1,261.72  
R = 1,909.86  
PC STA. = 155+81.94  
PT STA. = 168+43.66

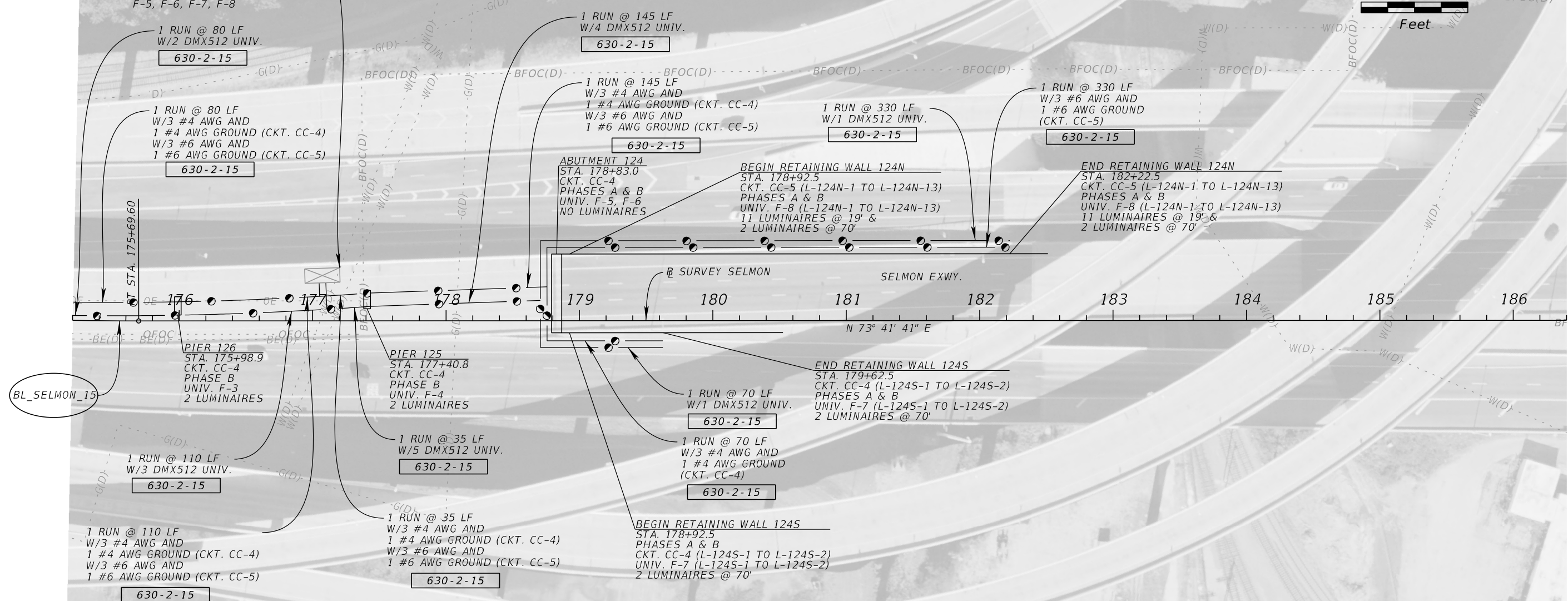
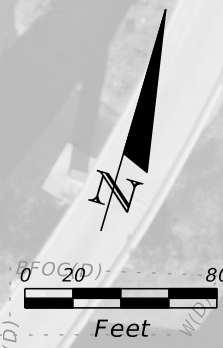
**CURVE DATA BL SELMON 15**  
PI STA. = 172+28.41  
Δ = 16° 03' 52" (LT)  
D = 2° 20' 19"  
T = 345.73  
L = 686.93  
R = 2,450.00  
PC STA. = 168+82.68  
PT STA. = 175+69.60

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			SHEET NO.  22
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R. 618	HILLSBOROUGH	O-01217	

**LIGHTING PLAN (7)**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

CABINET F  
 SEE ITS PLANS  
 DMX512 #22 AWG  
 SINGLE TWISTED PAIR  
 W/ #22 AWG GROUND  
 CKT. CC-4  
 PHASE A  
 BEGIN DMX512 UNIV.  
 F-1, F-2, F-3, F-4,  
 F-5, F-6, F-7, F-8



BL\_SELMON\_15

CURVE DATA BL\_SELMON\_15  
 PI STA. = 172+28.41  
 Δ = 16° 03' 52" (LT)  
 D = 2° 20' 19"  
 T = 345.73  
 L = 686.93  
 R = 2,450.00  
 PC STA. = 168+82.68  
 PT STA. = 175+69.60

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			SHEET NO.  <b>LIGHTING PLAN (8)</b>  23
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R. 618	HILLSBOROUGH	O-01217	

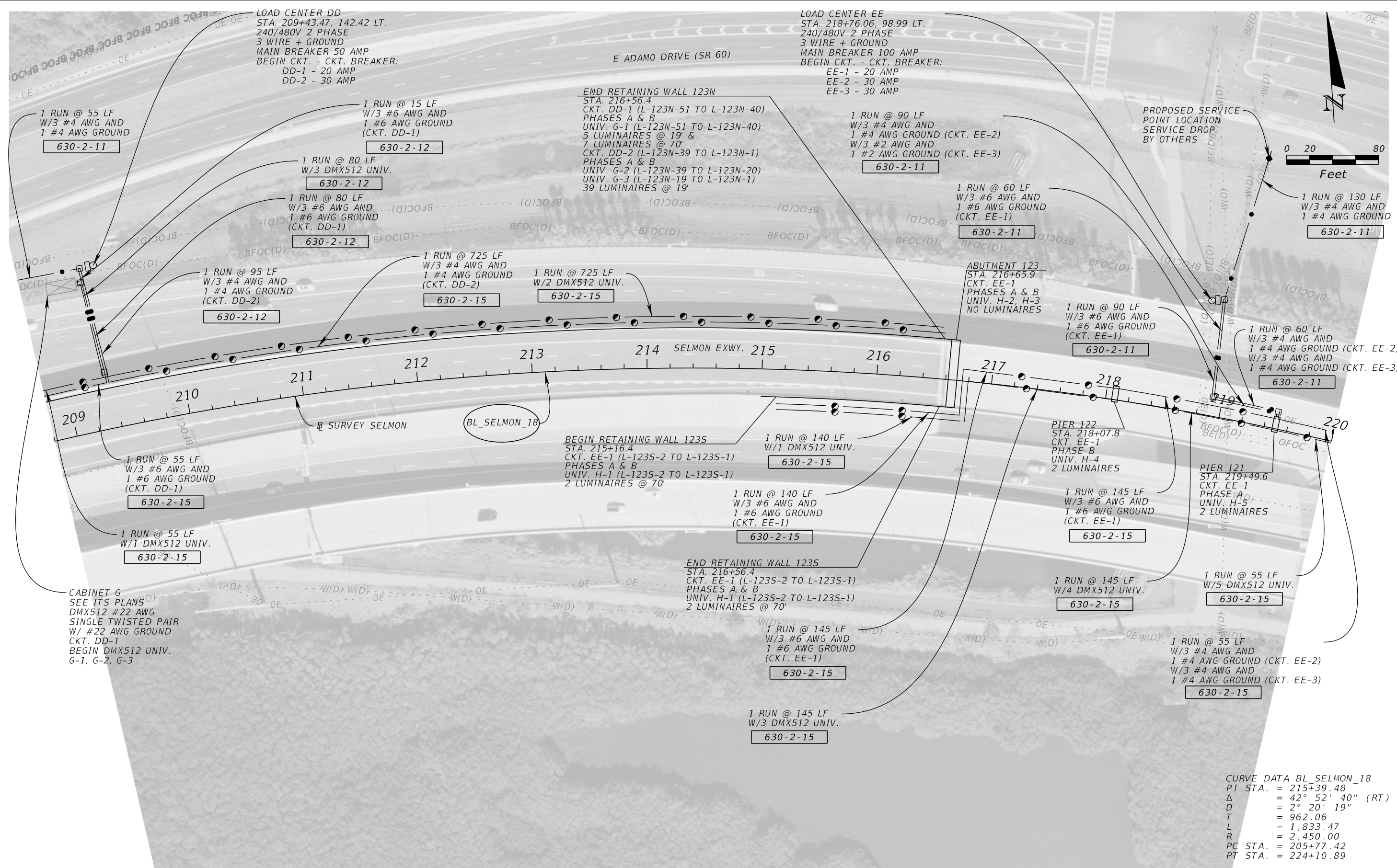
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



**CURVE DATA BL\_SELMON\_18**  
 PI STA. = 215+39.48  
 $\Delta$  = 42° 52' 40" (RT)  
 D = 2° 20' 19"  
 T = 962.06  
 L = 1,833.47  
 R = 2,450.00  
 PC STA. = 205+77.42  
 PT STA. = 224+10.89

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	<b>TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY</b>			<b>LIGHTING PLAN (9)</b>	SHEET NO.  24
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
					S.R. 618	HILLSBOROUGH	O-01217		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LOAD CENTER DD  
 STA. 209+43.47, 142.42 LT.  
 240/480V 2 PHASE  
 3 WIRE + GROUND  
 MAIN BREAKER 50 AMP  
 BEGIN CKT. - CKT. BREAKER:  
 DD-1 - 20 AMP  
 DD-2 - 30 AMP

LOAD CENTER EE  
 STA. 218+76.06, 98.99 LT.  
 240/480V 2 PHASE  
 3 WIRE + GROUND  
 MAIN BREAKER 100 AMP  
 BEGIN CKT. - CKT. BREAKER:  
 EE-1 - 20 AMP  
 EE-2 - 30 AMP  
 EE-3 - 30 AMP



CURVE DATA BL\_SELMON\_18  
 PI STA. = 215+39.48  
 Δ = 42° 52' 40" (RT)  
 D = 2° 20' 19"  
 T = 962.06  
 L = 1,833.47  
 R = 2,450.00  
 PC STA. = 205+77.42  
 PT STA. = 224+10.89

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

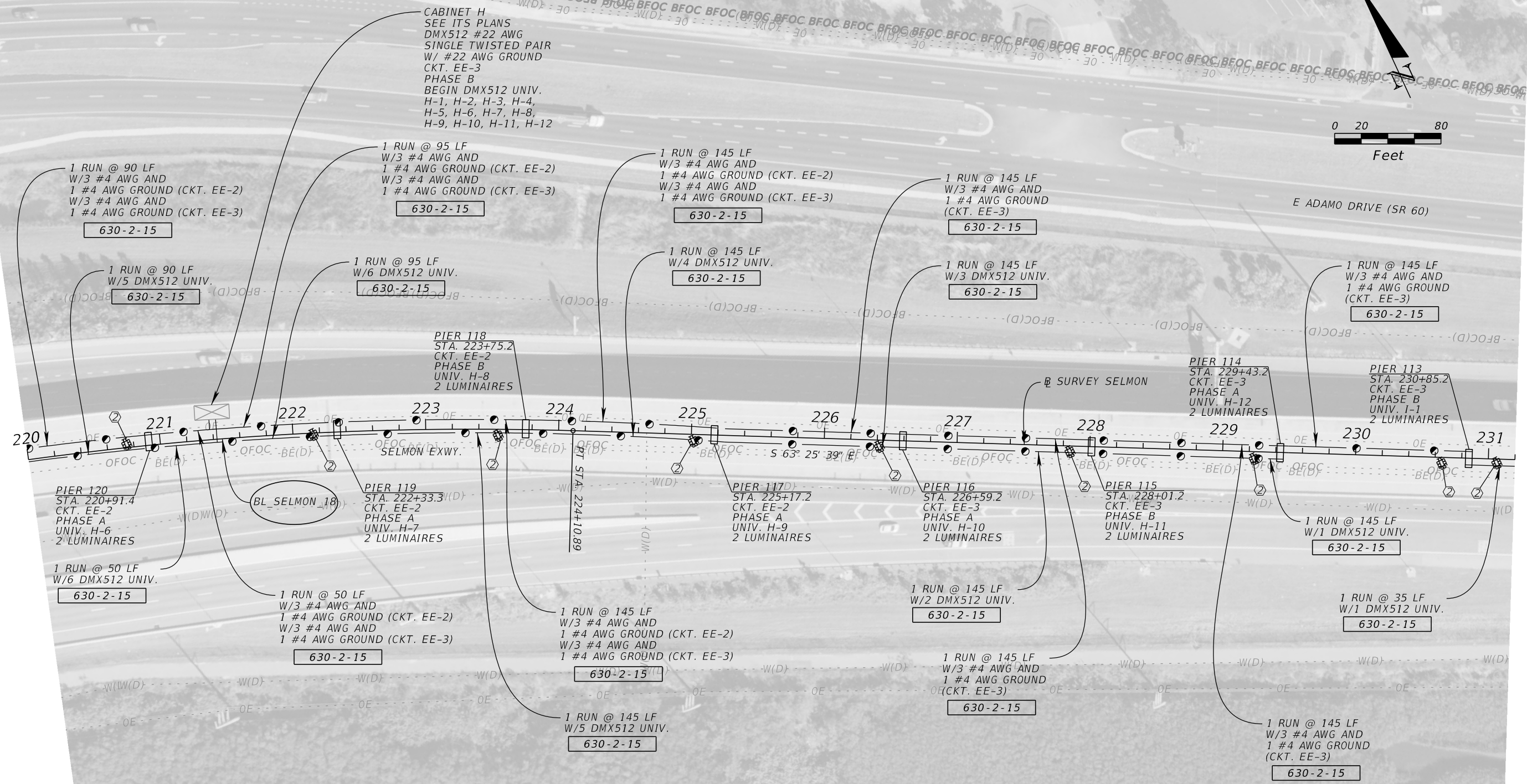
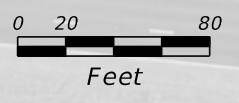
<b>TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY</b>		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**LIGHTING PLAN (10)**

SHEET NO.  
 25

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

CABINET H  
SEE ITS PLANS  
DMX512 #22 AWG  
SINGLE TWISTED PAIR  
W/ #22 AWG GROUND  
CKT. EE-3  
PHASE B  
BEGIN DMX512 UNIV.  
H-1, H-2, H-3, H-4,  
H-5, H-6, H-7, H-8,  
H-9, H-10, H-11, H-12



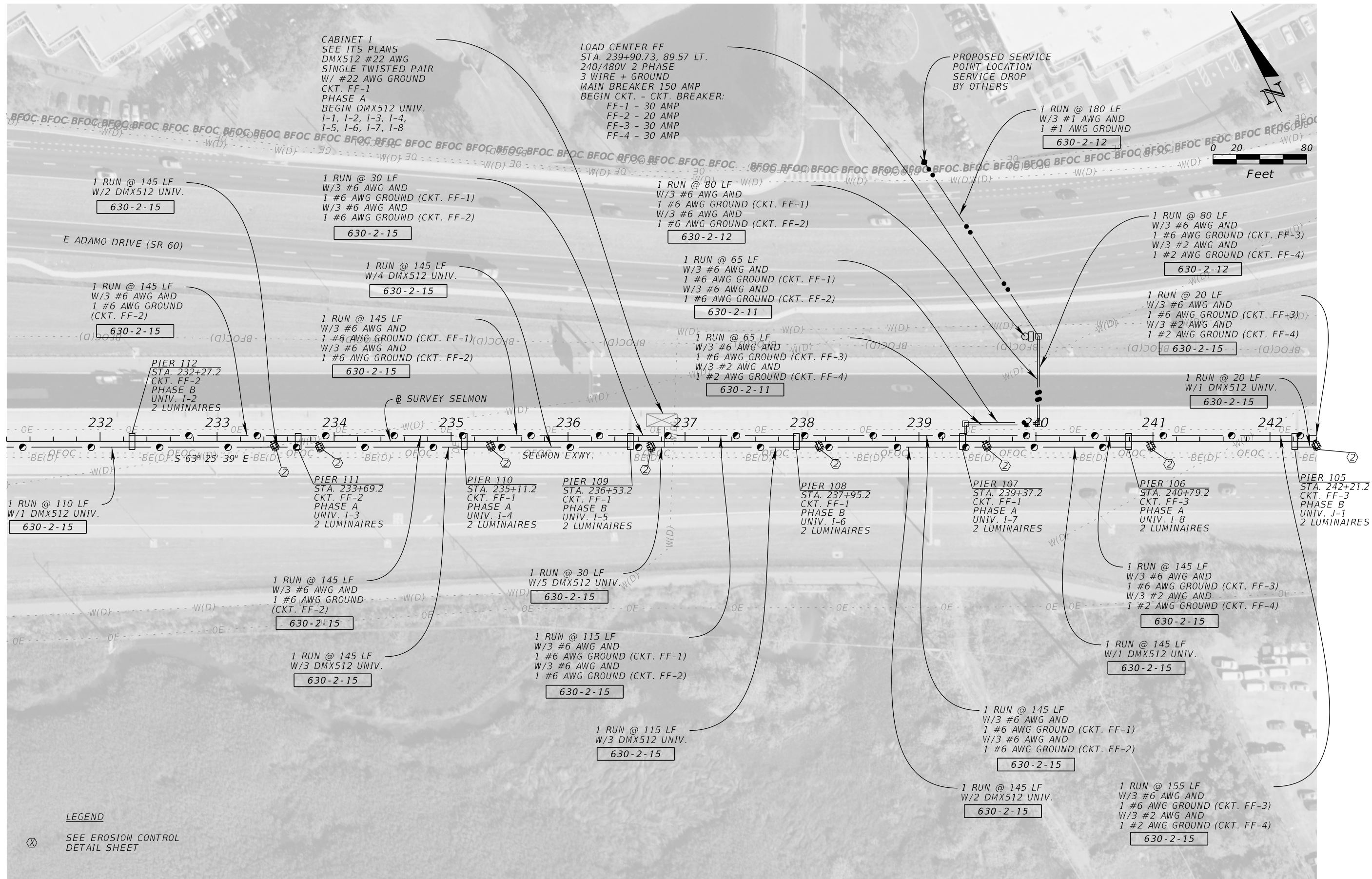
CURVE DATA BL\_SELMON\_18  
PI STA. = 215+39.48  
Δ = 42° 52' 40" (RT)  
D = 2° 20' 19"  
T = 962.06  
L = 1,833.47  
R = 2,450.00  
PC STA. = 205+77.42  
PT STA. = 224+10.89

LEGEND  
⊗ SEE EROSION CONTROL  
DETAIL SHEET

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			SHEET NO.  26
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R. 618	HILLSBOROUGH	O-01217	

LIGHTING PLAN (11)

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

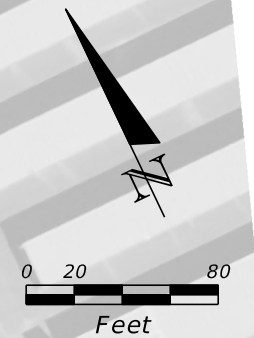
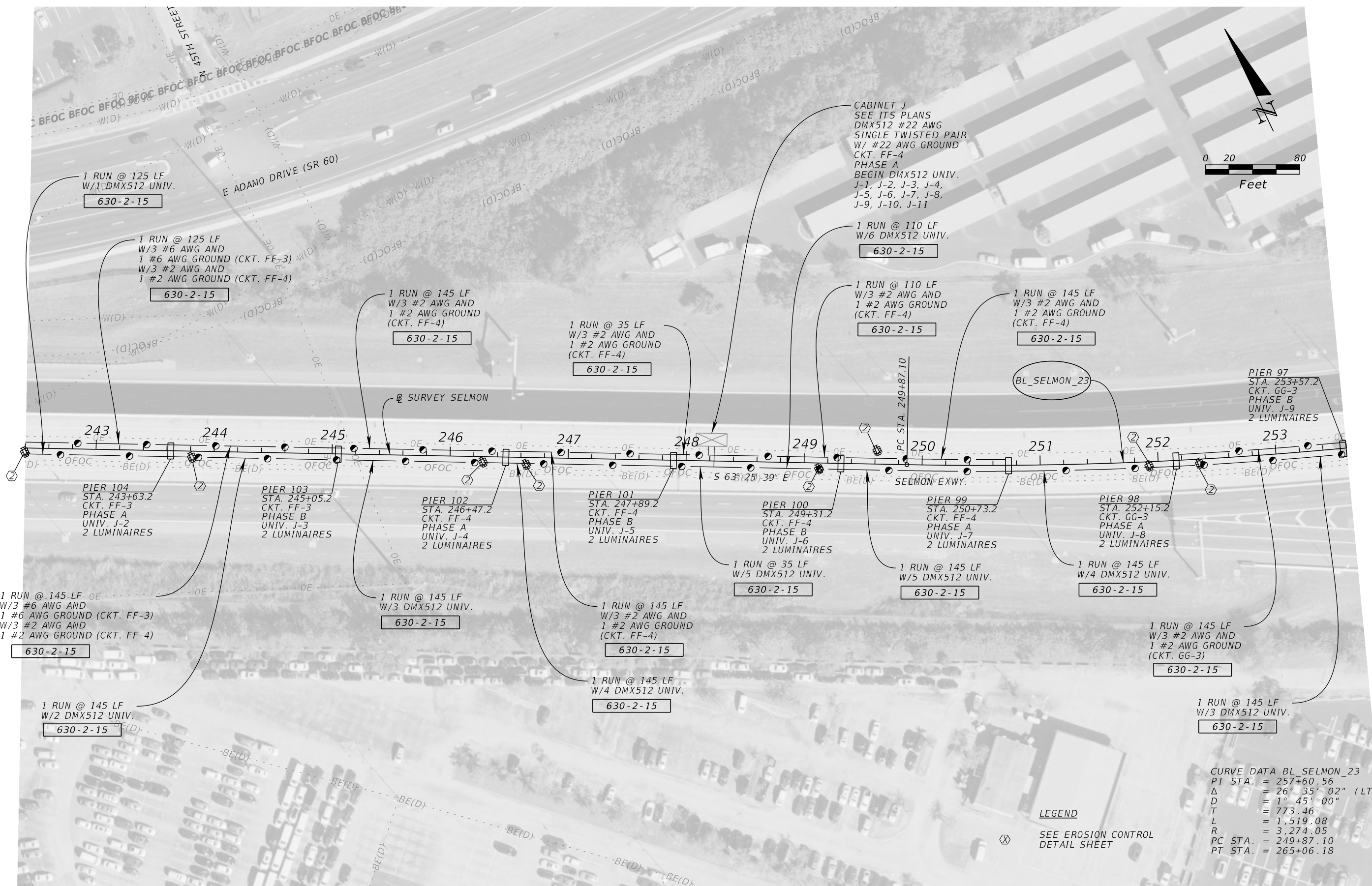
JORDAN E. LEEP, P.E.  
P.E. LICENSE NUMBER 76102  
KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**LIGHTING PLAN (12)**

SHEET NO. 27

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CURVE DATA BL\_SELMON\_23

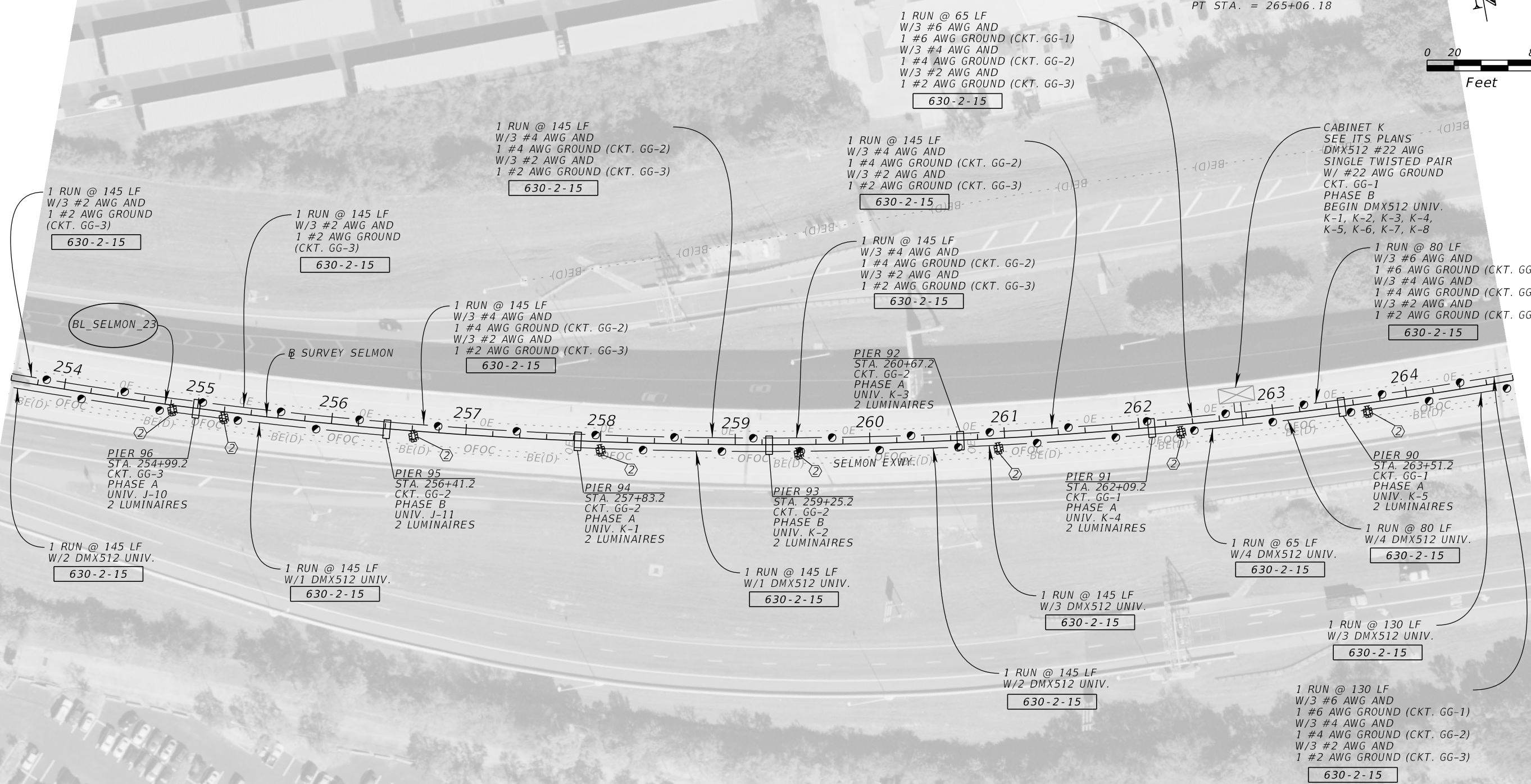
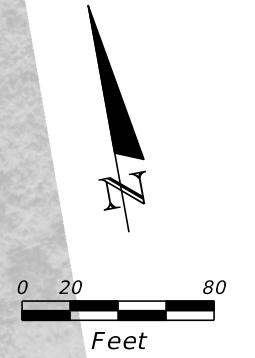
PI STA.	= 257+60.56
Δ	= 26° 35' 02" (LT)
D	= 1° 45' 00"
T	= 773.46
L	= 1,519.08
R	= 3,274.05
PC STA.	= 249+87.10
PT STA.	= 265+06.18

**LEGEND**  
 (X) SEE EROSION CONTROL  
 DETAIL SHEET

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>LIGHTING PLAN (13)</b> SHEET NO. 28
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R. 618	HILLSBOROUGH	O-01217	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

CURVE DATA BL\_SELMON\_23  
 PI STA. = 257+60.56  
 $\Delta$  = 26° 35' 02" (LT)  
 D = 1° 45' 00"  
 T = 773.46  
 L = 1,519.08  
 R = 3,274.05  
 PC STA. = 249+87.10  
 PT STA. = 265+06.18



CABINET K  
 SEE ITS PLANS  
 DMX512 #22 AWG  
 SINGLE TWISTED PAIR  
 W/ #22 AWG GROUND  
 CKT. GG-1  
 PHASE B  
 BEGIN DMX512 UNIV.  
 K-1, K-2, K-3, K-4,  
 K-5, K-6, K-7, K-8

PIER 92  
 STA. 260+67.2  
 CKT. GG-2  
 PHASE A  
 UNIV. K-3  
 2 LUMINAIRES

PIER 90  
 STA. 263+51.2  
 CKT. GG-1  
 PHASE A  
 UNIV. K-5  
 2 LUMINAIRES

LEGEND  
 (Symbol) SEE EROSION CONTROL  
 DETAIL SHEET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

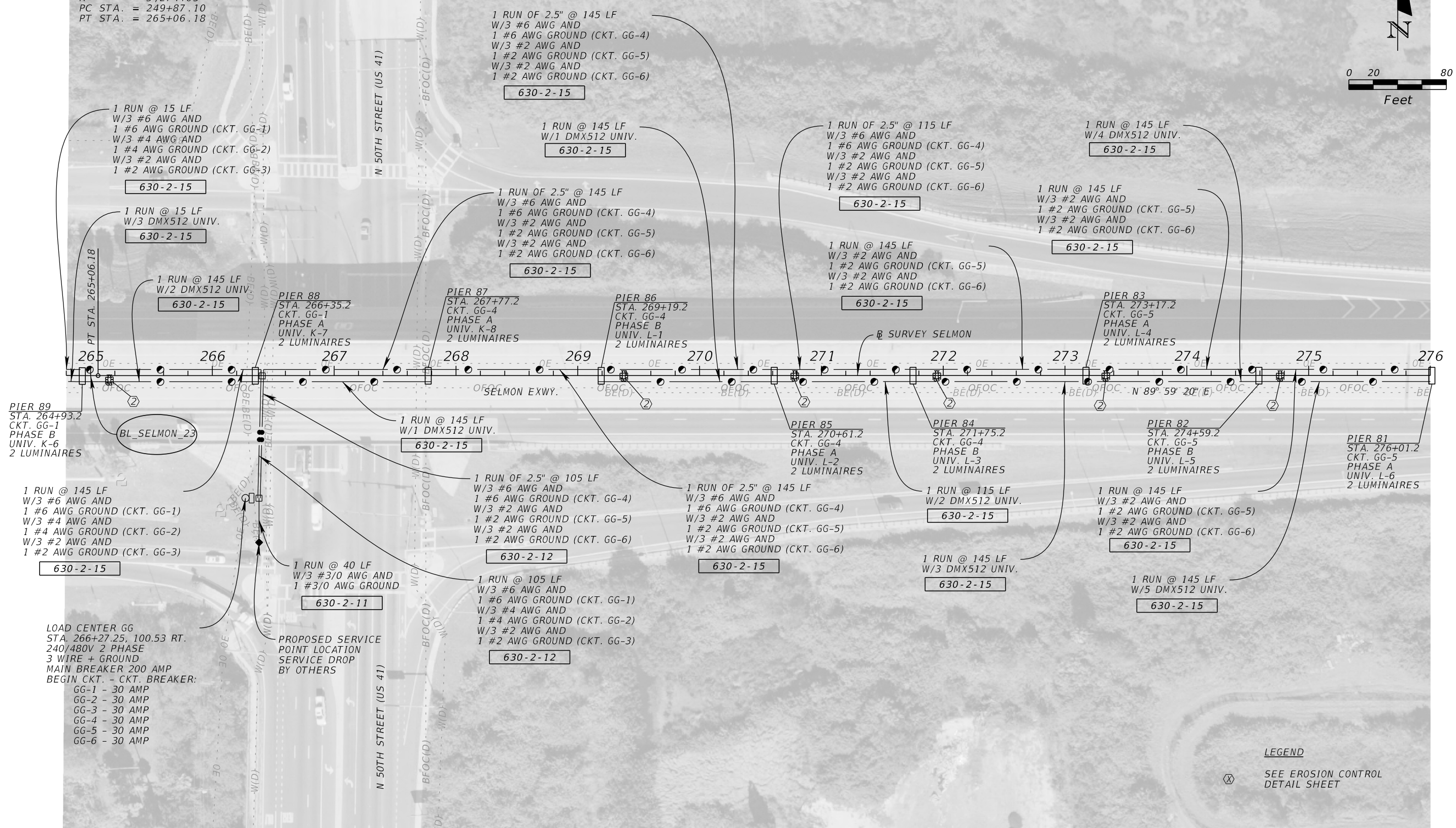
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**LIGHTING PLAN (14)**

SHEET  
NO.  
**29**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

CURVE DATA BL SELMON\_23  
 PI STA. = 257+60.56  
 Δ = 26° 35' 02" (LT.)  
 D = 1° 45' 00"  
 T = 773.46  
 L = 1,519.08  
 R = 3,274.05  
 PC STA. = 249+87.10  
 PT STA. = 265+06.18



1 RUN @ 145 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. GG-1)  
 W/3 #4 AWG AND  
 1 #4 AWG GROUND (CKT. GG-2)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. GG-3)  
**630-2-15**

LOAD CENTER GG  
 STA. 266+27.25, 100.53 RT.  
 240/480V 2 PHASE  
 3 WIRE + GROUND  
 MAIN BREAKER 200 AMP  
 BEGIN CKT. - CKT. BREAKER:  
 GG-1 - 30 AMP  
 GG-2 - 30 AMP  
 GG-3 - 30 AMP  
 GG-4 - 30 AMP  
 GG-5 - 30 AMP  
 GG-6 - 30 AMP

PROPOSED SERVICE  
 POINT LOCATION  
 SERVICE DROP  
 BY OTHERS

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

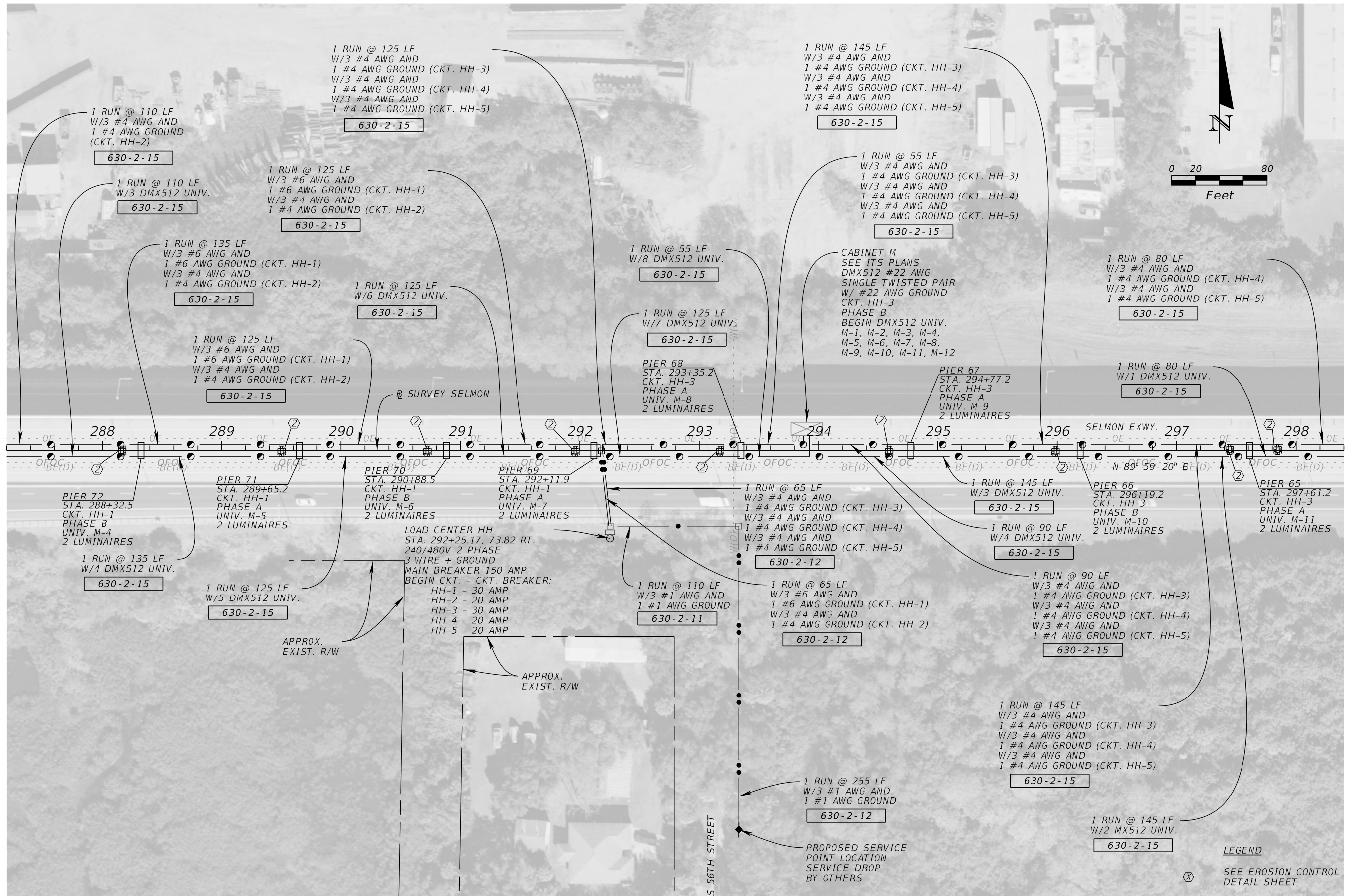
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**LIGHTING PLAN (15)**

SHEET NO.  
**30**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.





REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

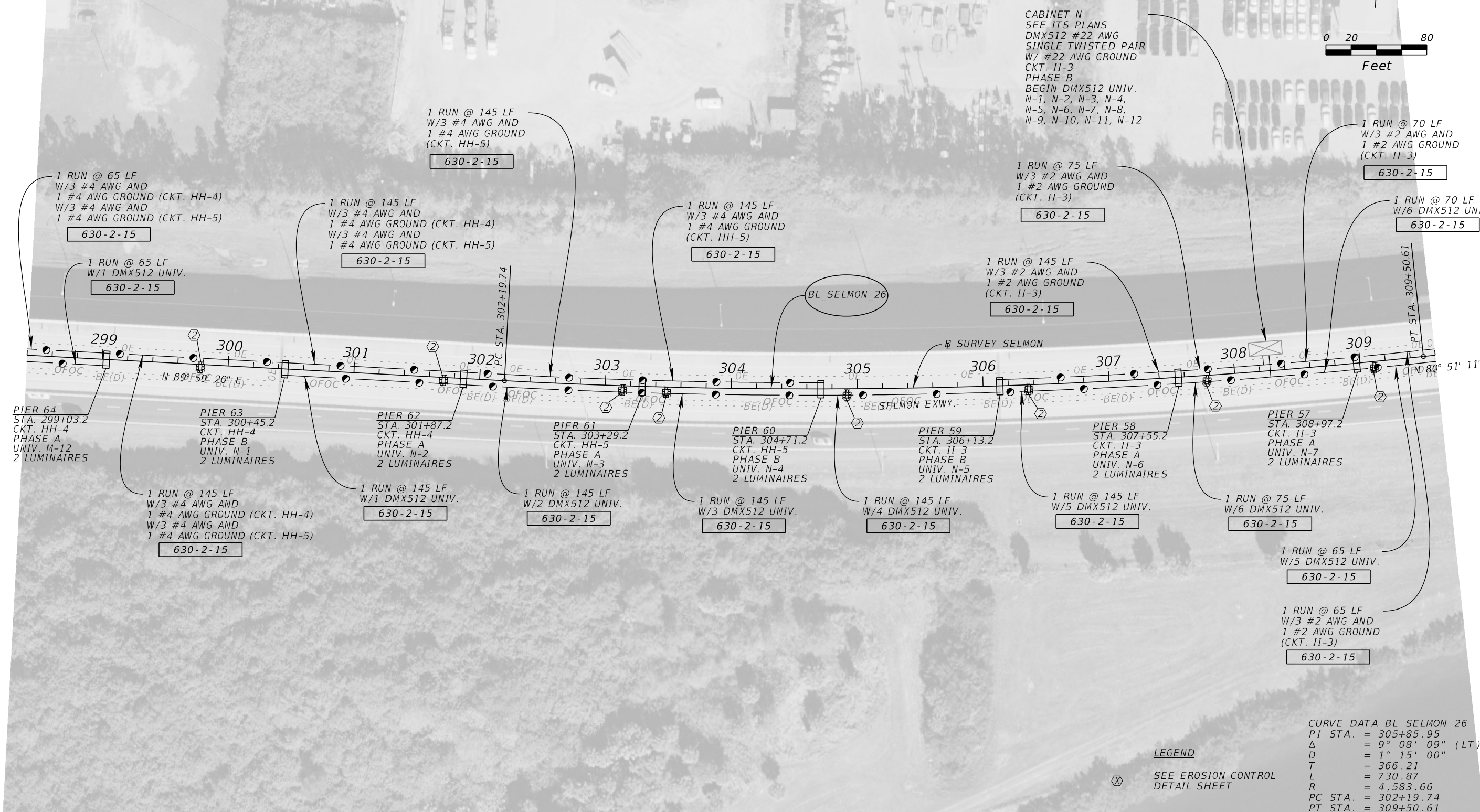
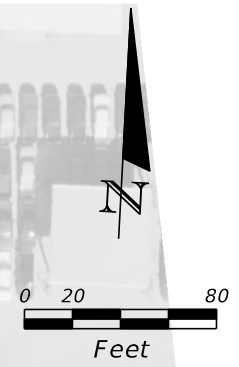
JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**LIGHTING PLAN (17)**

SHEET NO.  
32

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CABINET N  
SEE ITS PLANS  
DMX512 #22 AWG  
SINGLE TWISTED PAIR  
W/ #22 AWG GROUND  
CKT. II-3  
PHASE B  
BEGIN DMX512 UNIV.  
N-1, N-2, N-3, N-4,  
N-5, N-6, N-7, N-8,  
N-9, N-10, N-11, N-12

1 RUN @ 70 LF  
W/3 #2 AWG AND  
1 #2 AWG GROUND  
(CKT. II-3)  
630-2-15

1 RUN @ 70 LF  
W/6 DMX512 UNIV.  
630-2-15

1 RUN @ 75 LF  
W/3 #2 AWG AND  
1 #2 AWG GROUND  
(CKT. II-3)  
630-2-15

1 RUN @ 145 LF  
W/3 #2 AWG AND  
1 #2 AWG GROUND  
(CKT. II-3)  
630-2-15

1 RUN @ 65 LF  
W/5 DMX512 UNIV.  
630-2-15

1 RUN @ 65 LF  
W/3 #2 AWG AND  
1 #2 AWG GROUND  
(CKT. II-3)  
630-2-15

CURVE DATA BL\_SELMON\_26  
PI STA. = 305+85.95  
Δ = 9° 08' 09" (LT)  
D = 1° 15' 00"  
T = 366.21  
L = 730.87  
R = 4,583.66  
PC STA. = 302+19.74  
PT STA. = 309+50.61

**LEGEND**

⊗ SEE EROSION CONTROL  
DETAIL SHEET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

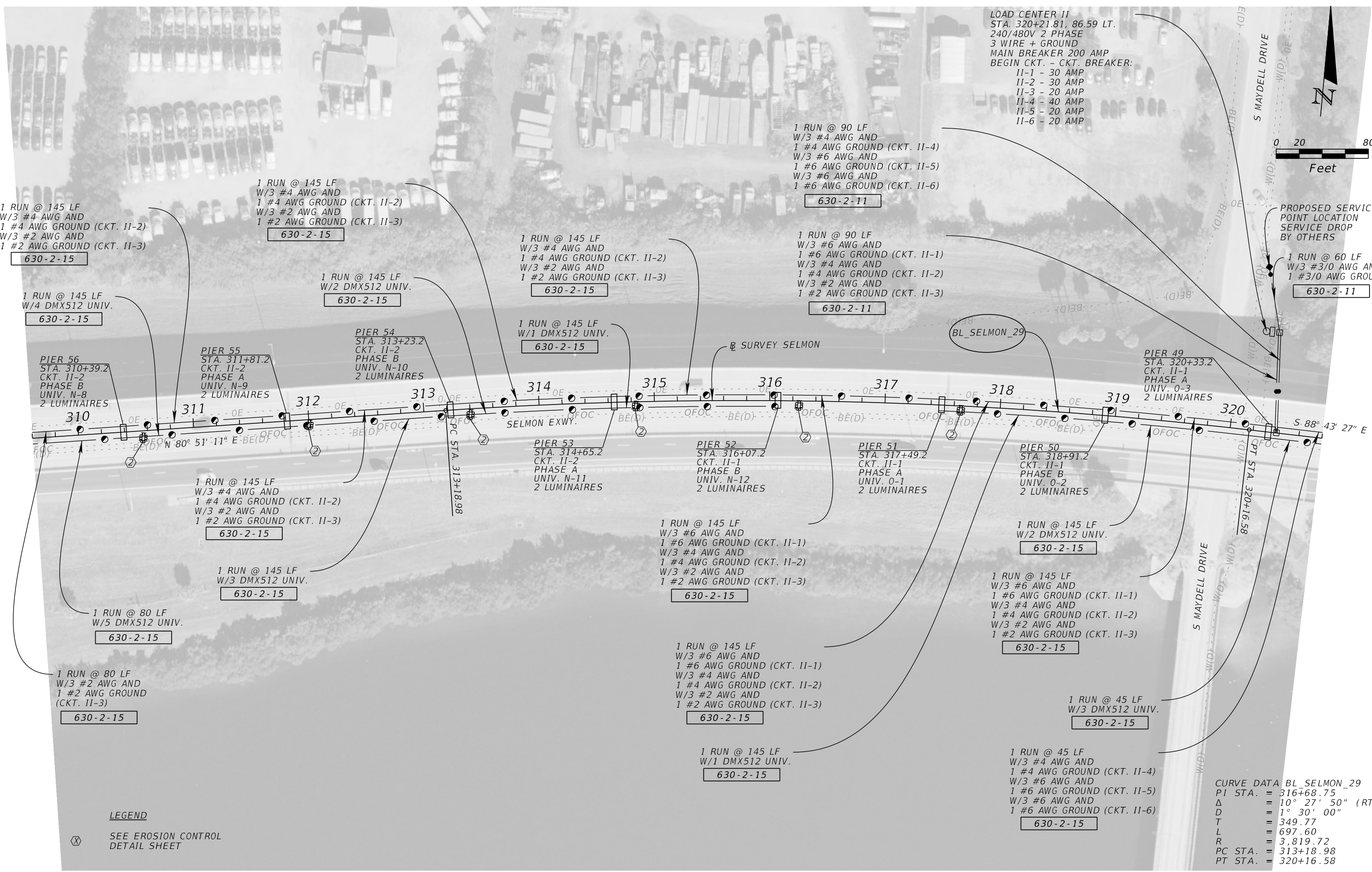
JORDAN E. LEEP, P.E.  
P.E. LICENSE NUMBER 76102  
KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236

<b>TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY</b>		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**LIGHTING PLAN (18)**

SHEET  
NO.  
**33**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

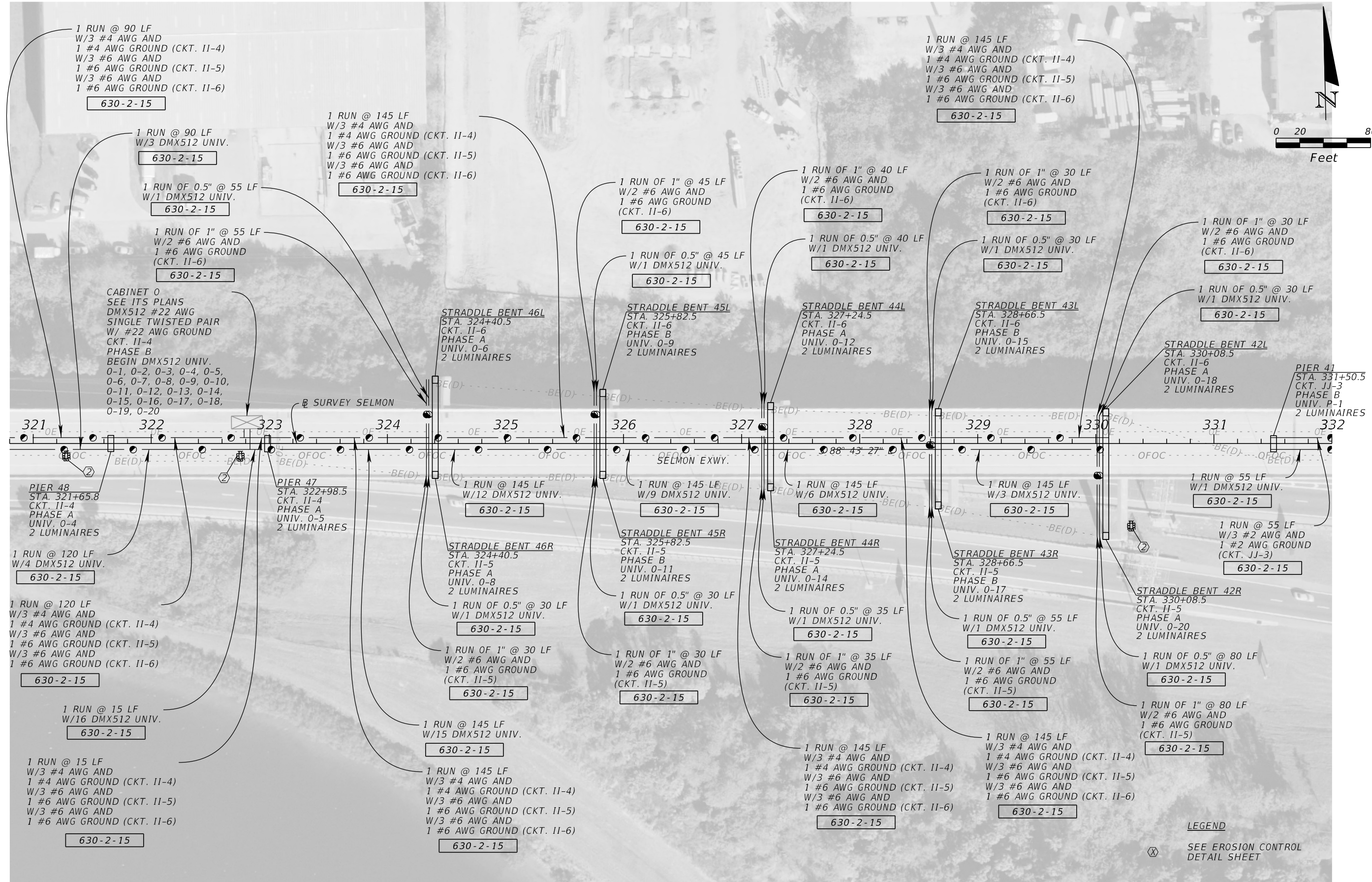


**LEGEND**  
 (X) SEE EROSION CONTROL  
 DETAIL SHEET

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			SHEET NO.  <b>34</b>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R. 618	HILLSBOROUGH	O-01217	

**LIGHTING PLAN (19)**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

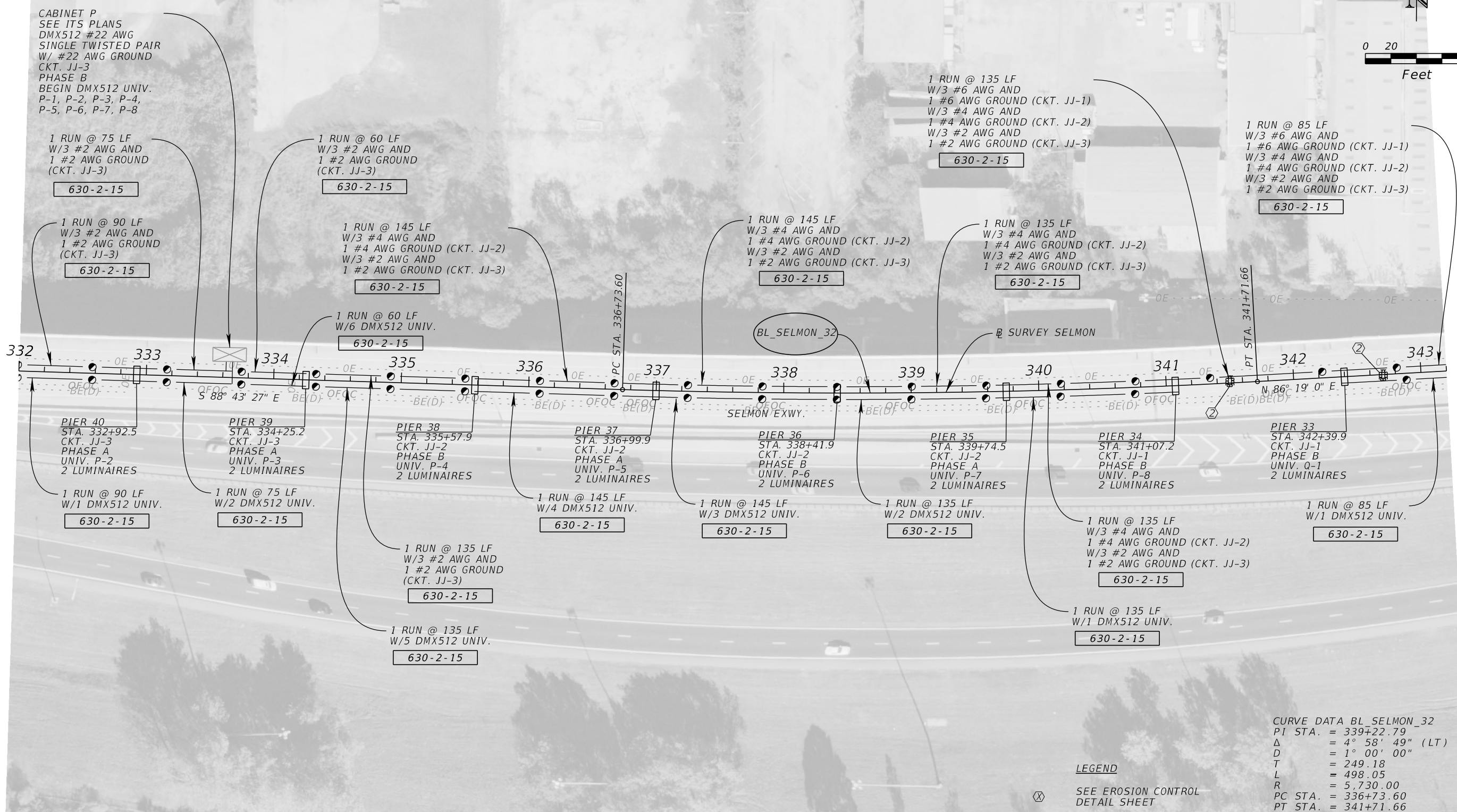


**LEGEND**  
 ⊗ SEE EROSION CONTROL  
 DETAIL SHEET

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			SHEET NO.  <b>35</b>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R. 618	HILLSBOROUGH	O-01217	

**LIGHTING PLAN (20)**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



CABINET P  
 SEE ITS PLANS  
 DMX512 #22 AWG  
 SINGLE TWISTED PAIR  
 W/ #22 AWG GROUND  
 CKT. JJ-3  
 PHASE B  
 BEGIN DMX512 UNIV.  
 P-1, P-2, P-3, P-4,  
 P-5, P-6, P-7, P-8

1 RUN @ 75 LF  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND  
 (CKT. JJ-3)  
**630-2-15**

1 RUN @ 60 LF  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND  
 (CKT. JJ-3)  
**630-2-15**

1 RUN @ 135 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-1)  
 W/3 #4 AWG AND  
 1 #4 AWG GROUND (CKT. JJ-2)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-3)  
**630-2-15**

1 RUN @ 85 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-1)  
 W/3 #4 AWG AND  
 1 #4 AWG GROUND (CKT. JJ-2)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-3)  
**630-2-15**

PIER 40  
 STA. 332+92.5  
 CKT. JJ-3  
 PHASE A  
 UNIV. P-2  
 2 LUMINAIRES

PIER 39  
 STA. 334+25.2  
 CKT. JJ-3  
 PHASE A  
 UNIV. P-3  
 2 LUMINAIRES

PIER 38  
 STA. 335+57.9  
 CKT. JJ-2  
 PHASE B  
 UNIV. P-4  
 2 LUMINAIRES

PIER 37  
 STA. 336+99.9  
 CKT. JJ-2  
 PHASE A  
 UNIV. P-5  
 2 LUMINAIRES

PIER 36  
 STA. 338+41.9  
 CKT. JJ-2  
 PHASE B  
 UNIV. P-6  
 2 LUMINAIRES

PIER 35  
 STA. 339+74.5  
 CKT. JJ-2  
 PHASE A  
 UNIV. P-7  
 2 LUMINAIRES

PIER 34  
 STA. 341+07.2  
 CKT. JJ-1  
 PHASE B  
 UNIV. P-8  
 2 LUMINAIRES

PIER 33  
 STA. 342+39.9  
 CKT. JJ-1  
 PHASE B  
 UNIV. Q-1  
 2 LUMINAIRES

**LEGEND**

(X) SEE EROSION CONTROL  
 DETAIL SHEET

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>LIGHTING PLAN (21)</b>  SHEET NO.  36
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R. 618	HILLSBOROUGH	O-01217	

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LOAD CENTER JJ  
 STA. 345+97.30, 41.60 LT.  
 240/480V 2 PHASE  
 3 WIRE + GROUND  
 MAIN BREAKER 200 AMP  
 BEGIN CKT. - CKT. BREAKER:  
 JJ-1 - 30 AMP  
 JJ-2 - 30 AMP  
 JJ-3 - 30 AMP  
 JJ-4 - 20 AMP  
 JJ-5 - 20 AMP  
 JJ-6 - 30 AMP  
 JJ-7 - 30 AMP

CABINET Q  
 SEE ITS PLANS  
 DMX512 #22 AWG  
 SINGLE TWISTED PAIR  
 W/ #22 AWG GROUND  
 CKT. JJ-1  
 PHASE A  
 BEGIN DMX512 UNIV.  
 Q-1, Q-2, Q-3, Q-4,  
 Q-5, Q-6, Q-7, Q-8,  
 Q-9, Q-10, Q-11, Q-12  
 Q-13, Q-14, Q-15, Q-16

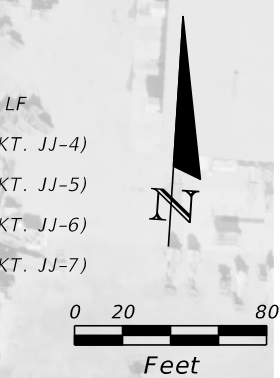
1 RUN @ 50 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-1)  
 W/3 #4 AWG AND  
 1 #4 AWG GROUND (CKT. JJ-2)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-3)  
 630-2-15

1 RUN @ 50 LF  
 W/1 DMX512 UNIV.  
 630-2-15

PIER 32  
 STA. 343+72.5  
 CKT. JJ-1  
 PHASE A  
 UNIV. Q-2  
 2 LUMINAIRES

PIER 31  
 STA. 344+95.9  
 CKT. JJ-1  
 PHASE B  
 UNIV. Q-3  
 2 LUMINAIRES

PIER 30  
 STA. 346+19.2  
 CKT. JJ-6  
 PHASE A  
 UNIV. Q-4  
 2 LUMINAIRES



1 RUN @ 125 LF  
 W/2 DMX512 UNIV.  
 630-2-15

1 RUN @ 125 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-1)  
 W/3 #4 AWG AND  
 1 #4 AWG GROUND (CKT. JJ-2)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-3)  
 630-2-15

1 RUN @ 100 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-1)  
 W/3 #4 AWG AND  
 1 #4 AWG GROUND (CKT. JJ-2)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-3)  
 630-2-15

1 RUN @ 25 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-1)  
 W/3 #4 AWG AND  
 1 #4 AWG GROUND (CKT. JJ-2)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-3)  
 630-2-15

1 RUN @ 145 LF  
 W/12 DMX512 UNIV.  
 630-2-15

1 RUN @ 35 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-1)  
 W/3 #4 AWG AND  
 1 #4 AWG GROUND (CKT. JJ-2)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-3)  
 630-2-11

1 RUN OF 2.5" @ 145 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-4)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-5)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-6)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-7)  
 630-2-12

1 RUN @ 45 LF  
 W/3 #3/0 AWG AND  
 1 #3/0 AWG GROUND  
 630-2-11

1 RUN OF 1" @ 30 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. JJ-4)  
 630-2-15

1 RUN OF 0.5" @ 30 LF  
 W/1 DMX512 UNIV.  
 630-2-15

STRADDLE BENT 29L  
 STA. 347+61.2  
 CKT. JJ-4  
 PHASE A  
 UNIV. Q-5  
 2 LUMINAIRES

1 RUN @ 145 LF  
 W/9 DMX512 UNIV.  
 630-2-15

STRADDLE BENT 29R  
 STA. 347+61.2  
 CKT. JJ-5  
 PHASE A  
 UNIV. Q-7  
 2 LUMINAIRES

1 RUN OF 0.5" @ 80 LF  
 W/1 DMX512 UNIV.  
 630-2-15

1 RUN OF 1" @ 80 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. JJ-5)  
 630-2-15

1 RUN OF 2.5" @ 145 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-4)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-5)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-6)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-7)  
 630-2-15

1 RUN OF 1" @ 35 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. JJ-4)  
 630-2-15

1 RUN OF 0.5" @ 35 LF  
 W/1 DMX512 UNIV.  
 630-2-15

STRADDLE BENT 28L  
 STA. 349+03.2  
 CKT. JJ-4  
 PHASE B  
 UNIV. Q-8  
 2 LUMINAIRES

1 RUN @ 145 LF  
 W/6 DMX512 UNIV.  
 630-2-15

STRADDLE BENT 28R  
 STA. 349+03.2  
 CKT. JJ-5  
 PHASE B  
 UNIV. Q-10  
 2 LUMINAIRES

1 RUN OF 0.5" @ 50 LF  
 W/1 DMX512 UNIV.  
 630-2-15

1 RUN OF 1" @ 50 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. JJ-5)  
 630-2-15

1 RUN OF 2.5" @ 145 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-4)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-5)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-6)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-7)  
 630-2-15

1 RUN OF 1" @ 50 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. JJ-4)  
 630-2-15

1 RUN OF 0.5" @ 50 LF  
 W/1 DMX512 UNIV.  
 630-2-15

STRADDLE BENT 27L  
 STA. 350+45.2  
 CKT. JJ-4  
 PHASE A  
 UNIV. Q-11  
 2 LUMINAIRES

1 RUN @ 145 LF  
 W/3 DMX512 UNIV.  
 630-2-15

STRADDLE BENT 27R  
 STA. 350+45.2  
 CKT. JJ-5  
 PHASE A  
 UNIV. Q-13  
 2 LUMINAIRES

1 RUN OF 0.5" @ 35 LF  
 W/1 DMX512 UNIV.  
 630-2-15

1 RUN OF 1" @ 35 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. JJ-5)  
 630-2-15

1 RUN OF 2.5" @ 145 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-4)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-5)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-6)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-7)  
 630-2-15

1 RUN OF 2.5" @ 145 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-4)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-5)  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-6)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-7)  
 630-2-15

1 RUN OF 1" @ 60 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. JJ-4)  
 630-2-15

1 RUN OF 0.5" @ 60 LF  
 W/1 DMX512 UNIV.  
 630-2-15

STRADDLE BENT 26L  
 STA. 351+87.2  
 CKT. JJ-4  
 PHASE B  
 UNIV. Q-14  
 2 LUMINAIRES

1 RUN @ 145 LF  
 W/3 #6 AWG AND  
 1 #6 AWG GROUND (CKT. JJ-6)  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-7)  
 630-2-15

STRADDLE BENT 26R  
 STA. 351+87.2  
 CKT. JJ-5  
 PHASE B  
 UNIV. Q-16  
 2 LUMINAIRES

1 RUN OF 0.5" @ 25 LF  
 W/1 DMX512 UNIV.  
 630-2-15

1 RUN OF 1" @ 25 LF  
 W/2 #6 AWG AND  
 1 #6 AWG GROUND  
 (CKT. JJ-5)  
 630-2-15

1 RUN @ 115 LF  
 W/3 #2 AWG AND  
 1 #2 AWG GROUND (CKT. JJ-7)  
 630-2-15

1 RUN @ 115 LF  
 W/1 DMX512 UNIV.  
 630-2-15

LEGEND  
 X SEE EROSION CONTROL  
 DETAIL SHEET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

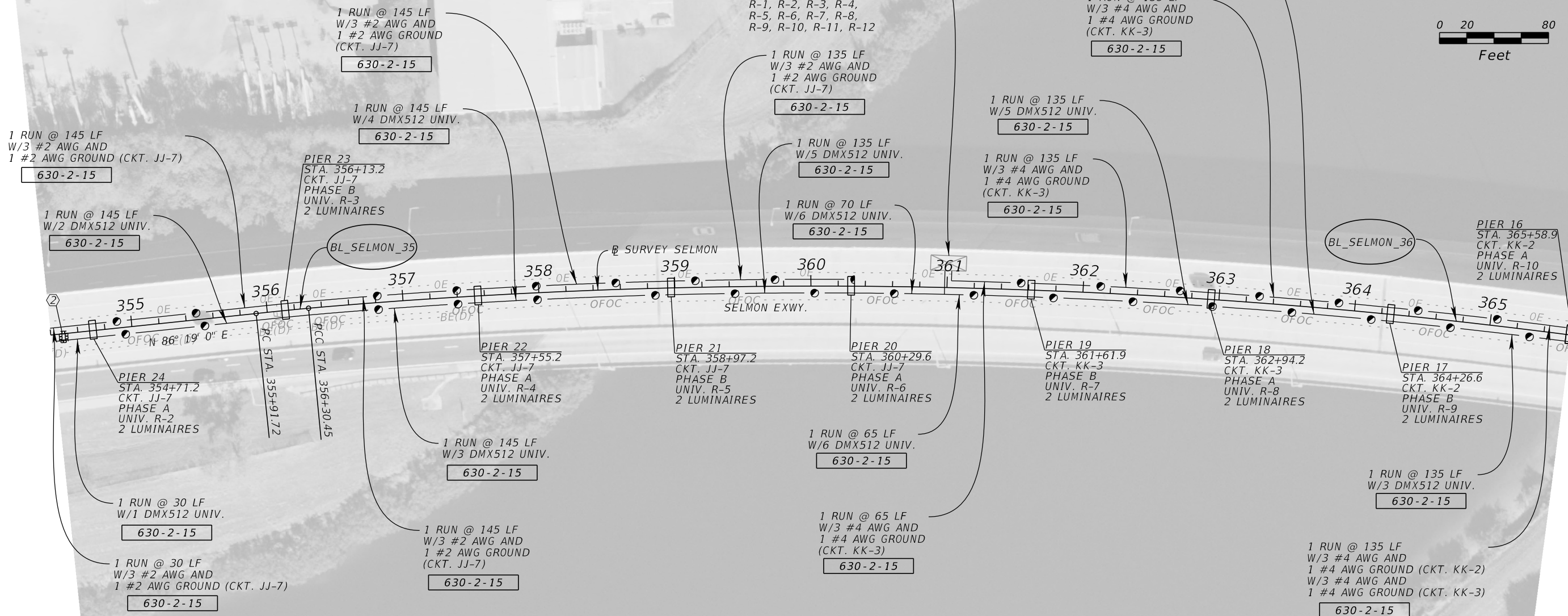
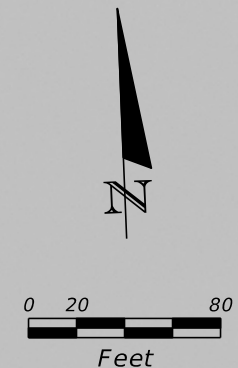
**LIGHTING PLAN (22)**

SHEET  
NO.  
**37**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

CURVE DATA BL\_SELMON\_35  
 PI STA. = 356+11.09  
 Δ = 0° 30' 59" (RT)  
 D = 1° 20' 00"  
 T = 19.37  
 L = 38.74  
 R = 4,296.99  
 PC STA. = 355+91.72  
 PT STA. = 356+30.45

CABINET R  
 SEE ITS PLANS  
 DMX512 #22 AWG  
 SINGLE TWISTED PAIR  
 W/ #22 AWG GROUND  
 CKT. KK-3  
 PHASE A  
 BEGIN DMX512 UNIV.  
 R-1, R-2, R-3, R-4,  
 R-5, R-6, R-7, R-8,  
 R-9, R-10, R-11, R-12



CURVE DATA BL\_SELMON\_36  
 PI STA. = 389+64.14  
 Δ = 75° 36' 36" (RT)  
 D = 1° 20' 00"  
 T = 3,333.68  
 L = 5,670.49  
 R = 4,296.99  
 PC STA. = 356+30.45  
 PT STA. = 413+00.94

**LEGEND**

(X) SEE EROSION CONTROL  
 DETAIL SHEET

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

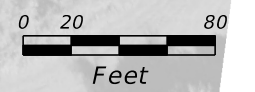
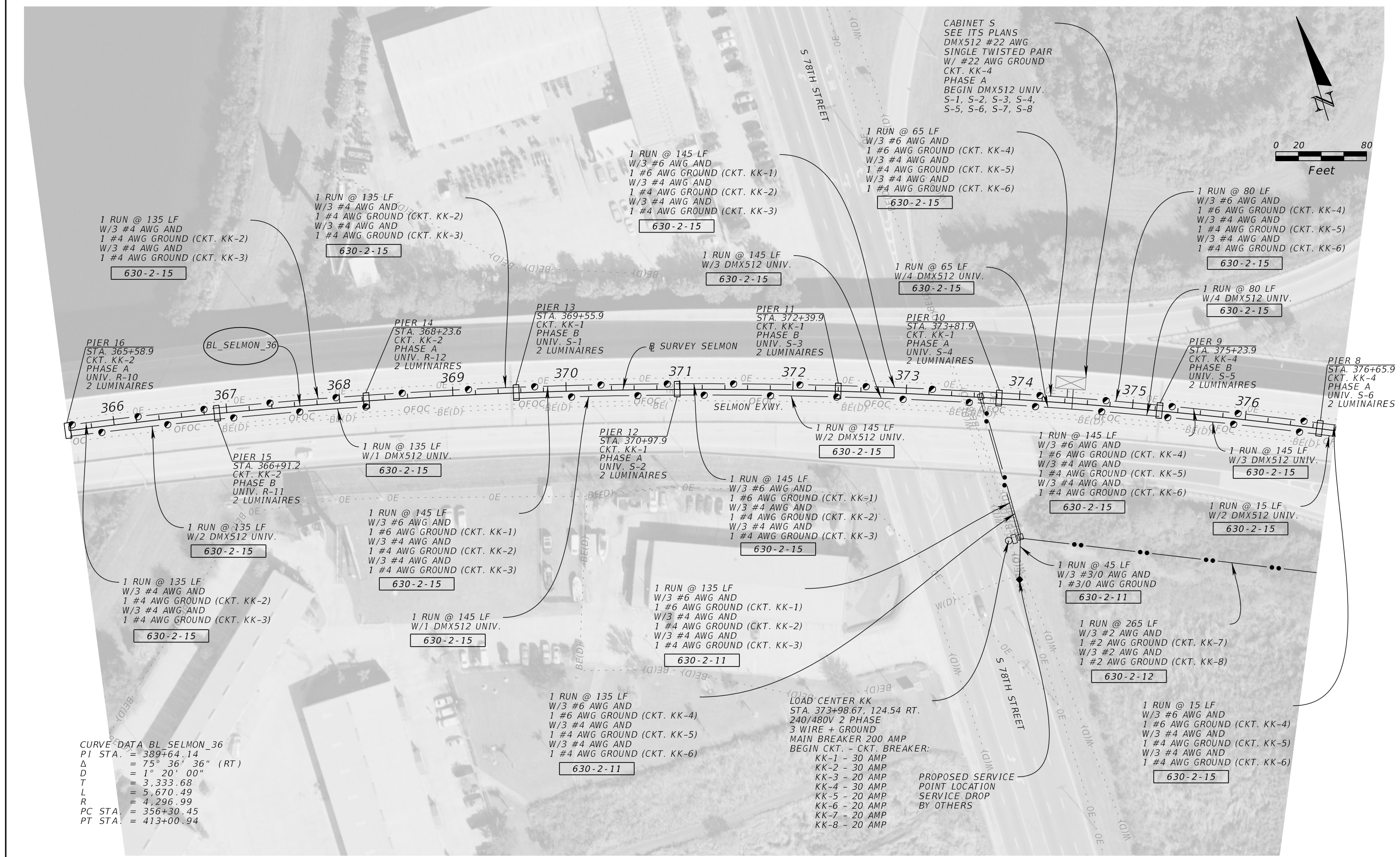
JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

**TAMPA HILLSBOROUGH  
 EXPRESSWAY AUTHORITY**

ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

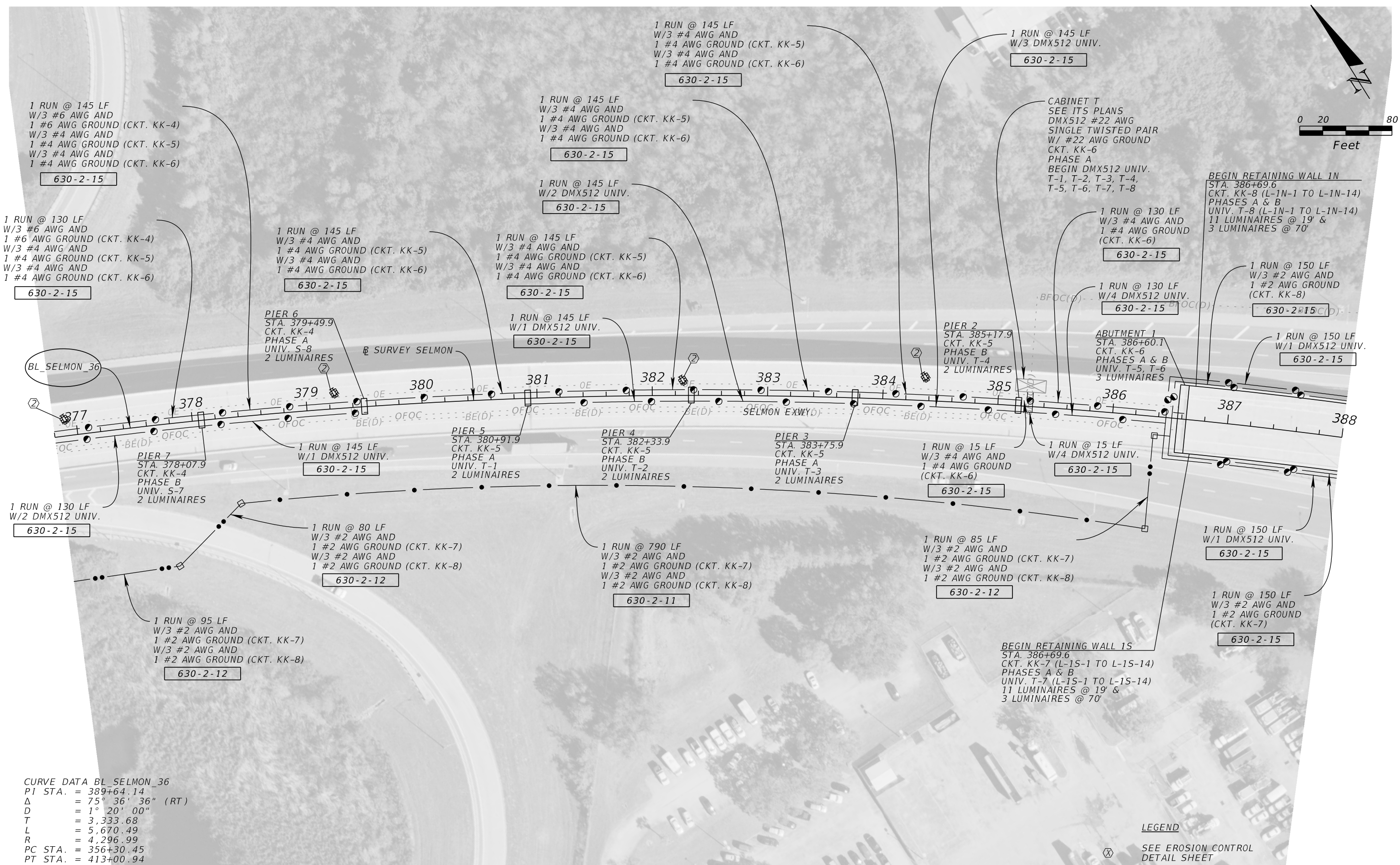
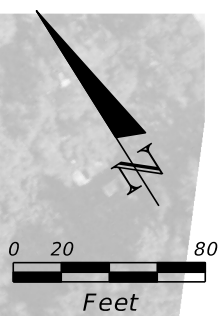
**LIGHTING PLAN (23)**

SHEET  
 NO.  
 38



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>LIGHTING PLAN (24)</b>  SHEET NO.  39
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R. 618	HILLSBOROUGH	O-01217	



CURVE DATA BL SELMON\_36  
 PI STA. = 389+64.14  
 Δ = 75° 36' 36" (RT)  
 D = 1° 20' 00"  
 T = 3,333.68  
 L = 5,670.49  
 R = 4,296.99  
 PC STA. = 356+30.45  
 PT STA. = 413+00.94

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

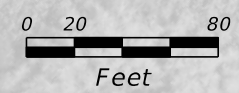
JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

<b>TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY</b>		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**LIGHTING PLAN (25)**

SHEET NO.  
**40**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



1 RUN @ 285 LF  
W/1 DMX512 UNIV.  
630-2-15

1 RUN @ 285 LF  
W/3 #2 AWG AND  
1 #2 AWG GROUND  
(CKT. KK-7)  
630-2-15

END RETAINING WALL 1N  
STA. 390+69.6  
CKT. KK-8 (L-1N-1 TO L-1N-14)  
PHASES A & B  
UNIV. T-8 (L-1N-1 TO L-1N-14)  
11 LUMINAIRES @ 19' &  
3 LUMINAIRES @ 70'

END RETAINING WALL 1S  
STA. 390+69.6  
CKT. KK-7 (L-1S-1 TO L-1S-14)  
PHASES A & B  
UNIV. T-7 (L-1S-1 TO L-1S-14)  
11 LUMINAIRES @ 19' &  
3 LUMINAIRES @ 70'

CURVE DATA BL\_SELMON\_36  
PI STA. = 389+64.14  
Δ = 75° 36' 36" (RT)  
D = 1° 20' 00"  
T = 3,333.68  
L = 5,670.49  
R = 4,296.99  
PC STA. = 356+30.45  
PT STA. = 413+00.94

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>LIGHTING PLAN (26)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
						S.R. 618	HILLSBOROUGH		O-01217

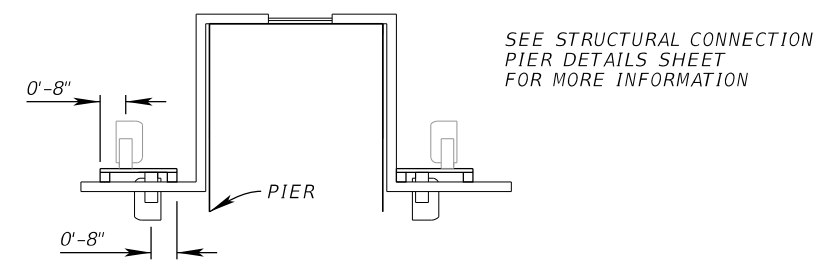
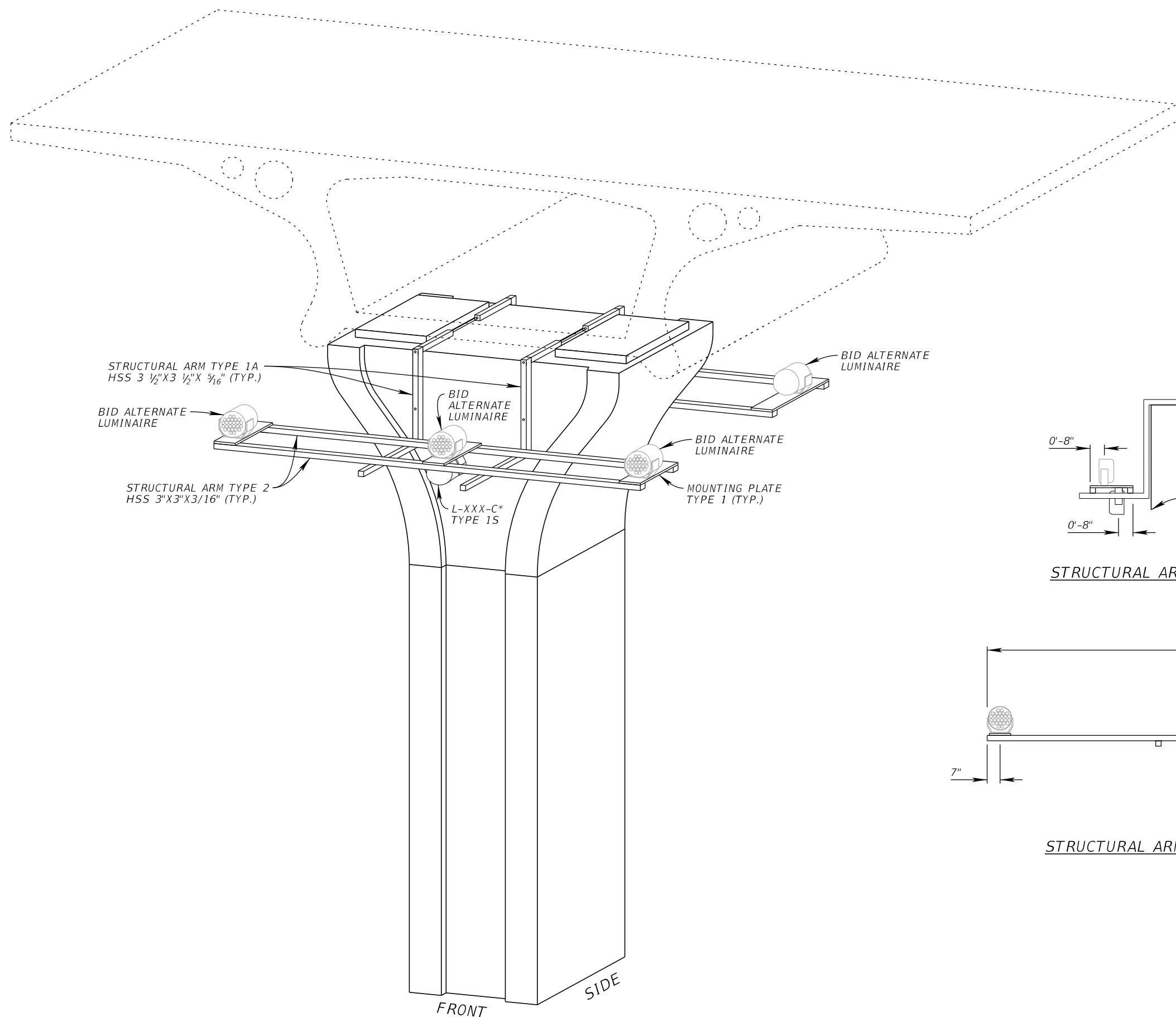
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

NOTE: VIEW IS LOOKING EASTWARD THROUGH BRIDGE DECK

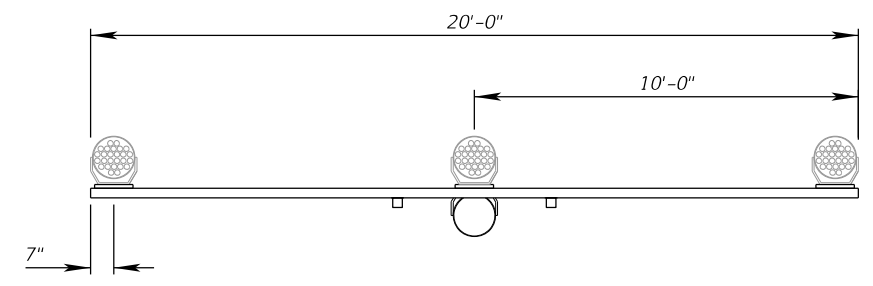
\*SEE POLE DATA TABLES FOR LUMINAIRE NUMBERS

LUMINAIRES:

TYPE 1S  
 ACCLAIM LIGHTING  
 DYNA DRUM 50  
 10°X60° LENS, OUTDOOR LINK SYSTEM



STRUCTURAL ARM TYPE 1A SIDE VIEW  
(NTS)



STRUCTURAL ARM TYPE 2 FRONT VIEW  
(NTS)

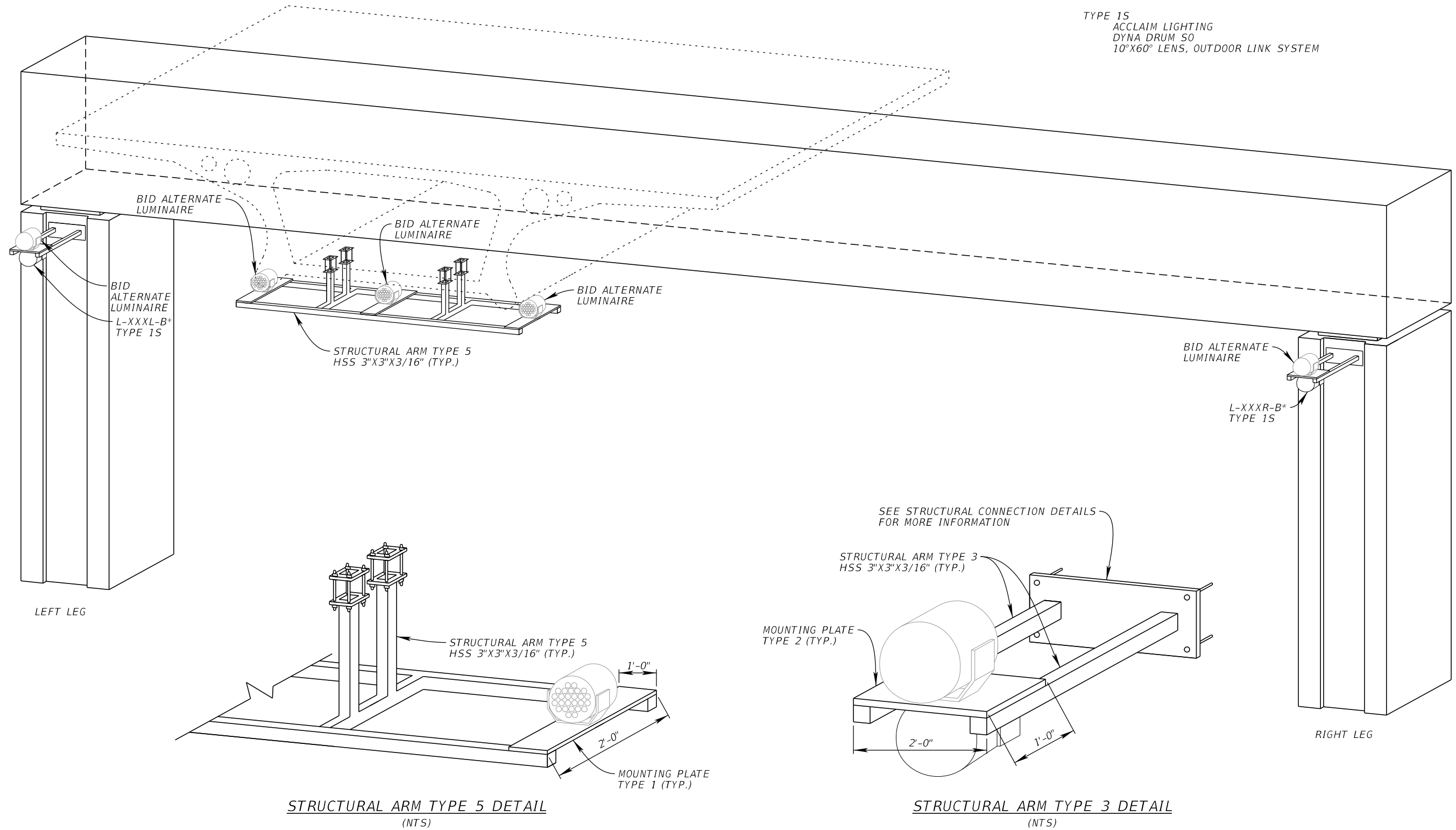
FRONT SIDE

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			STRUCTURAL ARM DETAIL PIER	SHEET NO. 42
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
					S.R. 618	HILLSBOROUGH	O-01217		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

NOTE: VIEW IS LOOKING EASTWARD THROUGH BRIDGE DECK  
 \*SEE POLE DATA TABLES FOR LUMINAIRE NUMBERS

LUMINAIRES:  
 TYPE 1S  
 ACCLAIM LIGHTING  
 DYNA DRUM 50  
 10°X60° LENS, OUTDOOR LINK SYSTEM



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

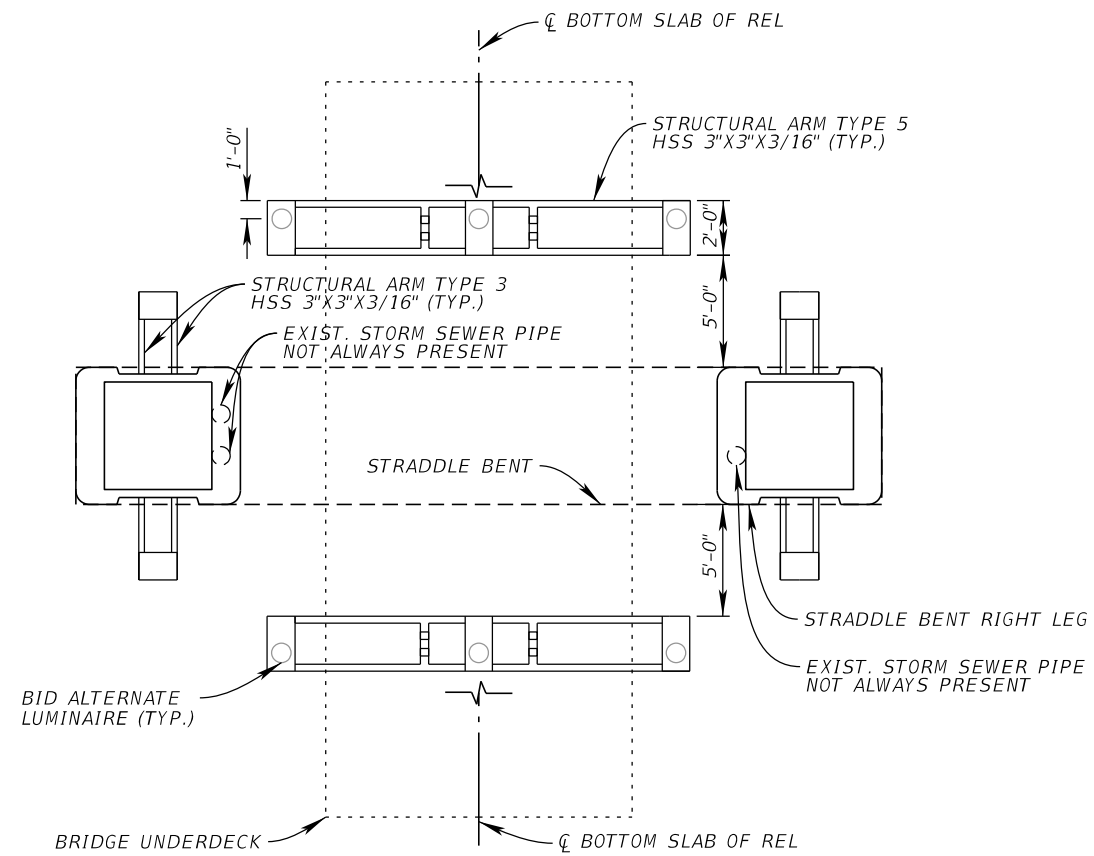
JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**STRUCTURAL ARM DETAIL**  
**STRADDLE BENT (1)**

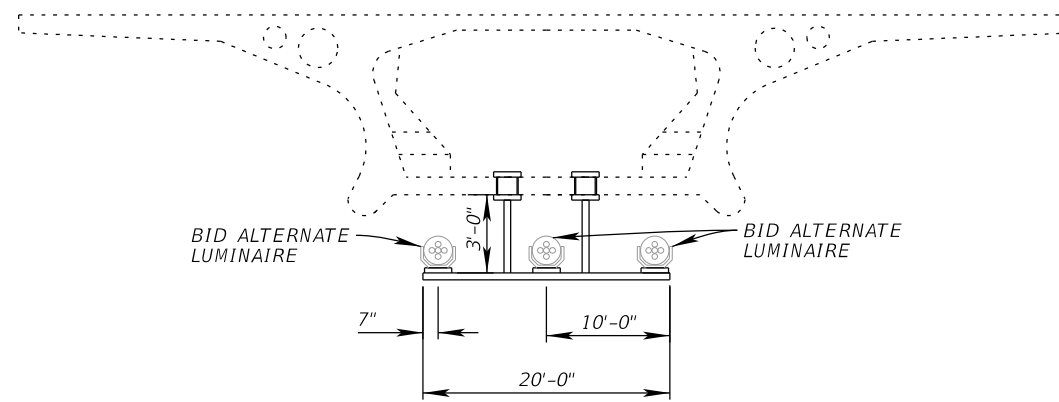
SHEET NO.  
 43

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

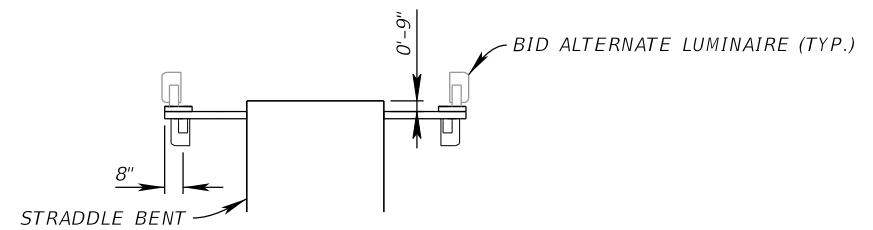


**STRUCTURAL ARMS PLAN VIEW**  
(NTS)

NOTE: THE SEGMENTAL BOX GIRDER OR BRIDGE UNDERDECK SHIFTS TRAVERSELY FOR EACH STRADDLEBENT. STRUCTURAL ARM TYPE 5 IS TO BE CENTERED ON CL BOTTOM SLAB OF REL AS DEPICTED ABOVE.



**STRUCTURAL ARM TYPE 5 FRONT VIEW**  
(NTS)



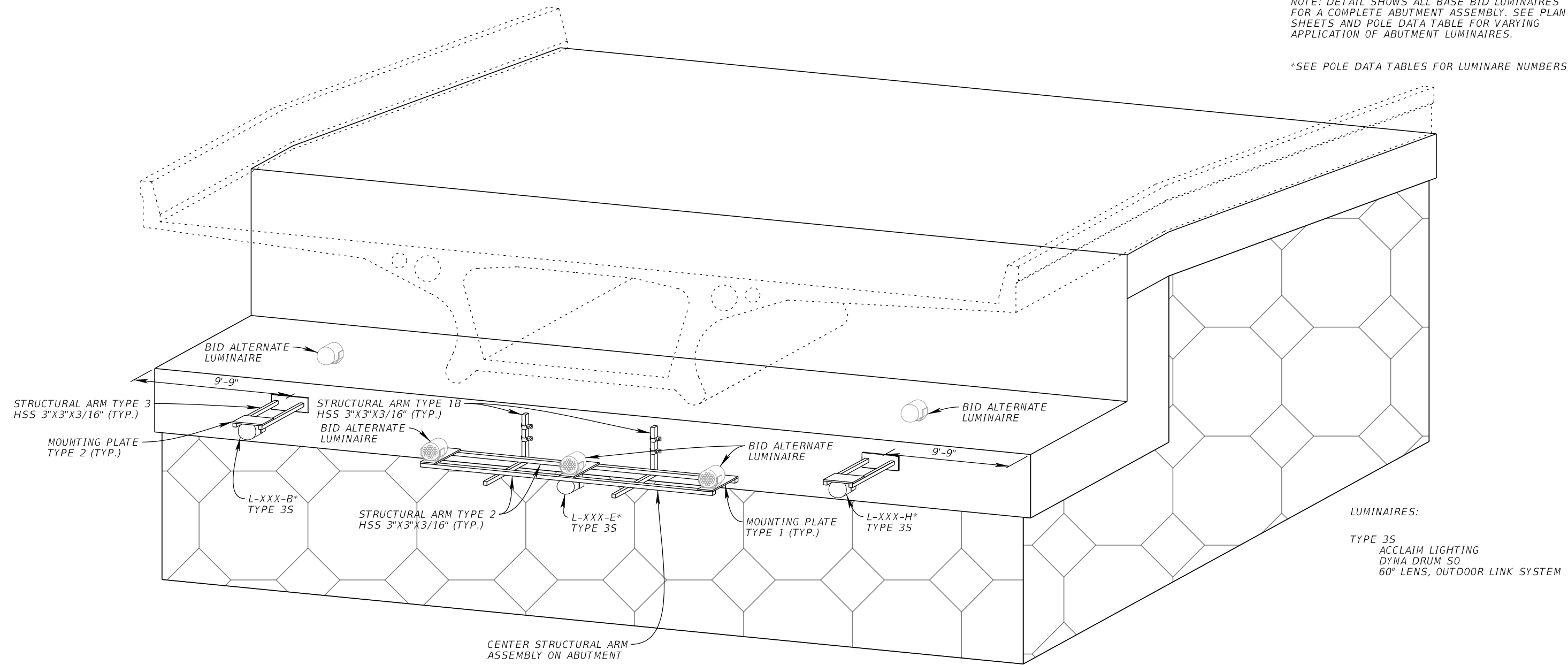
**STRUCTURAL ARM TYPE 3 SIDE VIEW**  
(NTS)

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>STRUCTURAL ARM DETAIL</b> <b>STRADDLE BENT (2)</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		44
					S.R. 618	HILLSBOROUGH	O-01217		

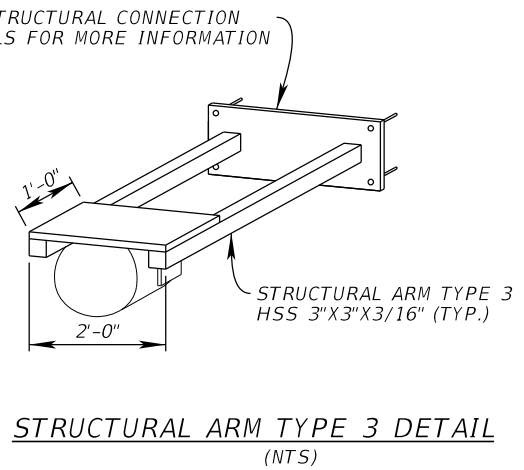
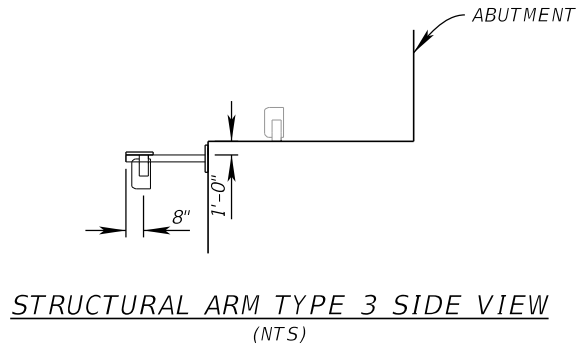
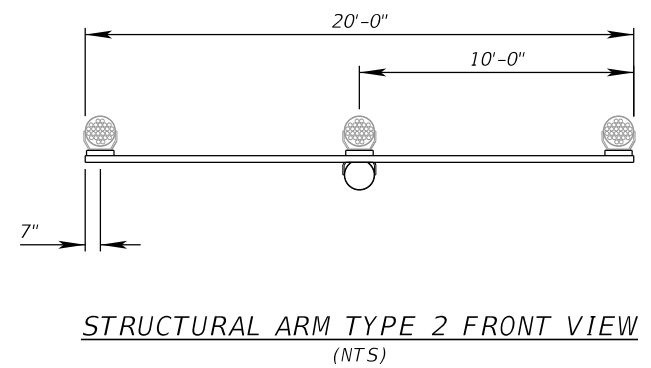
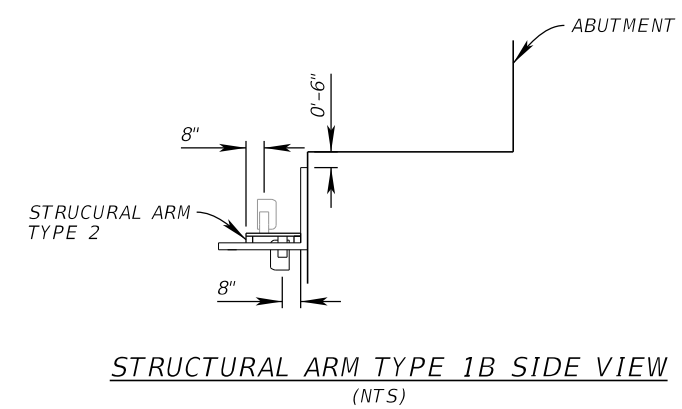
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

NOTE: DETAIL SHOWS ALL BASE BID LUMINAIRES FOR A COMPLETE ABUTMENT ASSEMBLY. SEE PLAN SHEETS AND POLE DATA TABLE FOR VARYING APPLICATION OF ABUTMENT LUMINAIRES.

\*SEE POLE DATA TABLES FOR LUMINAIRE NUMBERS



LUMINAIRES:  
TYPE 3S  
ACCLAIM LIGHTING  
DYNA DRUM 50  
60° LENS, OUTDOOR LINK SYSTEM



SEE STRUCTURAL CONNECTION DETAILS FOR MORE INFORMATION

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>STRUCTURAL ARM DETAIL ABUTMENT</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
						S.R. 618	HILLSBOROUGH		O-01217

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

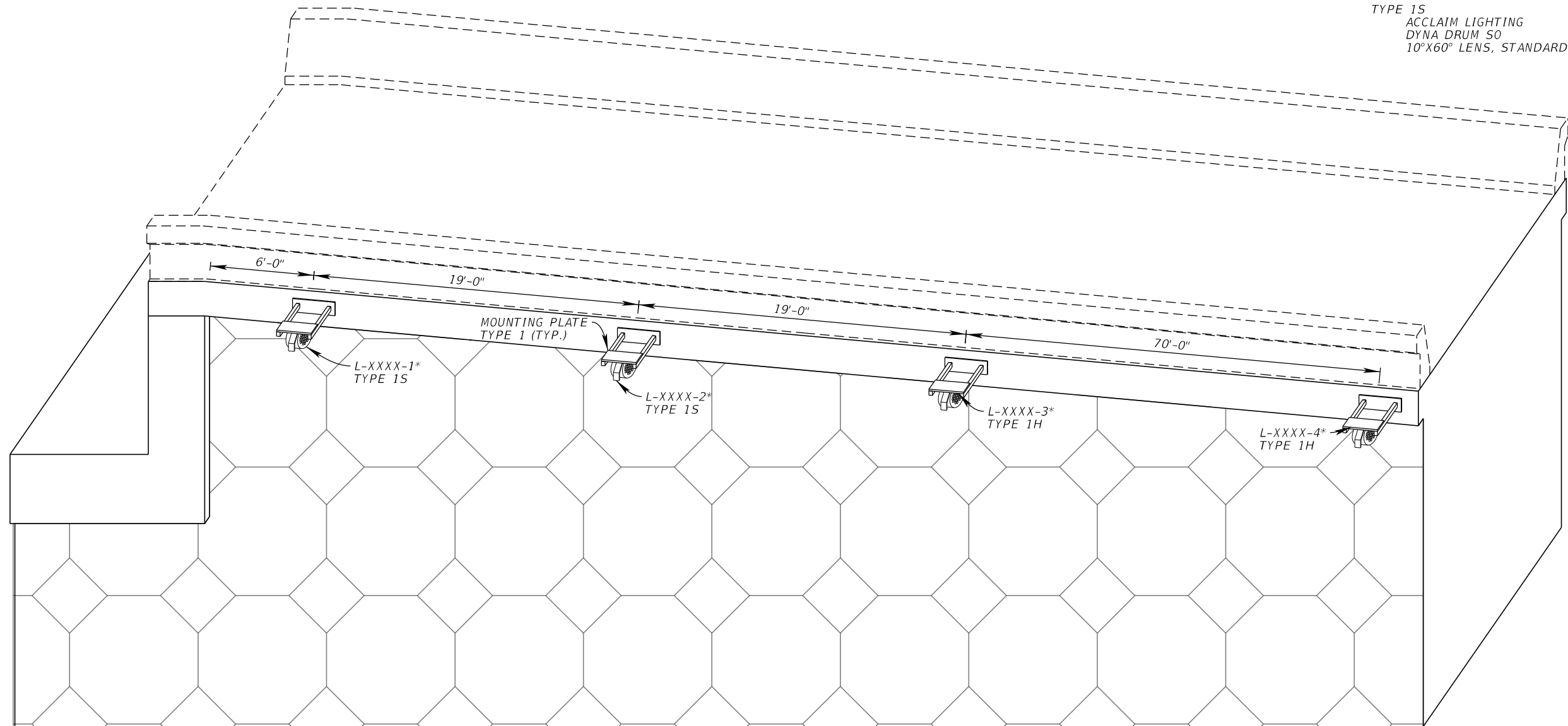
TYPICAL SHOWS 2 LUMINAIRES @ 19' &  
1 LUMINAIRE @ 70'. SEE PLANS FOR SPACING  
BETWEEN LUMINAIRES AND POLE DATA TABLES  
FOR ROTATION ANGLES.

\*SEE POLE DATA TABLES FOR LUMINAIRE NUMBERS

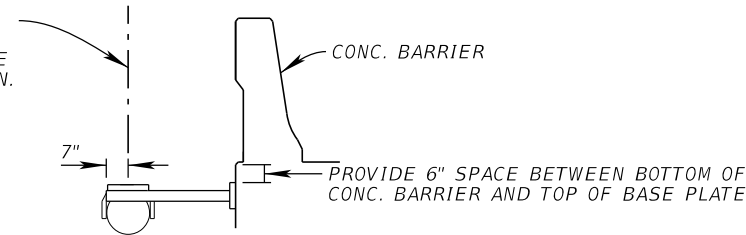
LUMINAIRES:

TYPE 1H  
ACCLAIM LIGHTING  
DYNA DRUM HO QW COLOR  
10°X60° LENS, STANDARD CORD

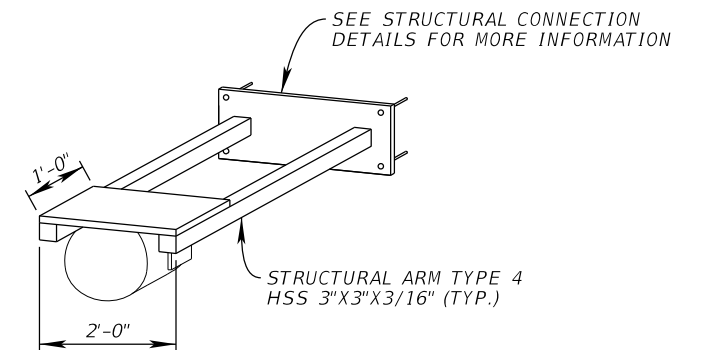
TYPE 1S  
ACCLAIM LIGHTING  
DYNA DRUM SO  
10°X60° LENS, STANDARD CORD



☐ MOUNTING PLATE TYPE 1  
LUMINAIRE ATTACHMENT HOLES.  
SEE STRUCTURAL ARM DETAIL LUMINAIRE  
MOUNTING PLATE FOR MORE INFORMATION.



**STRUCTURAL ARM TYPE 4 SIDE VIEW**  
(NTS)



**STRUCTURAL ARM TYPE 4 DETAIL**  
(NTS)

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
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KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236

**TAMPA HILLSBOROUGH  
EXPRESSWAY AUTHORITY**

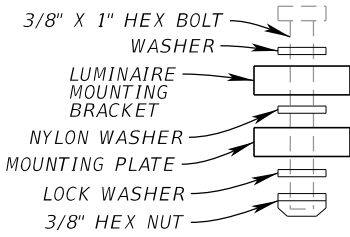
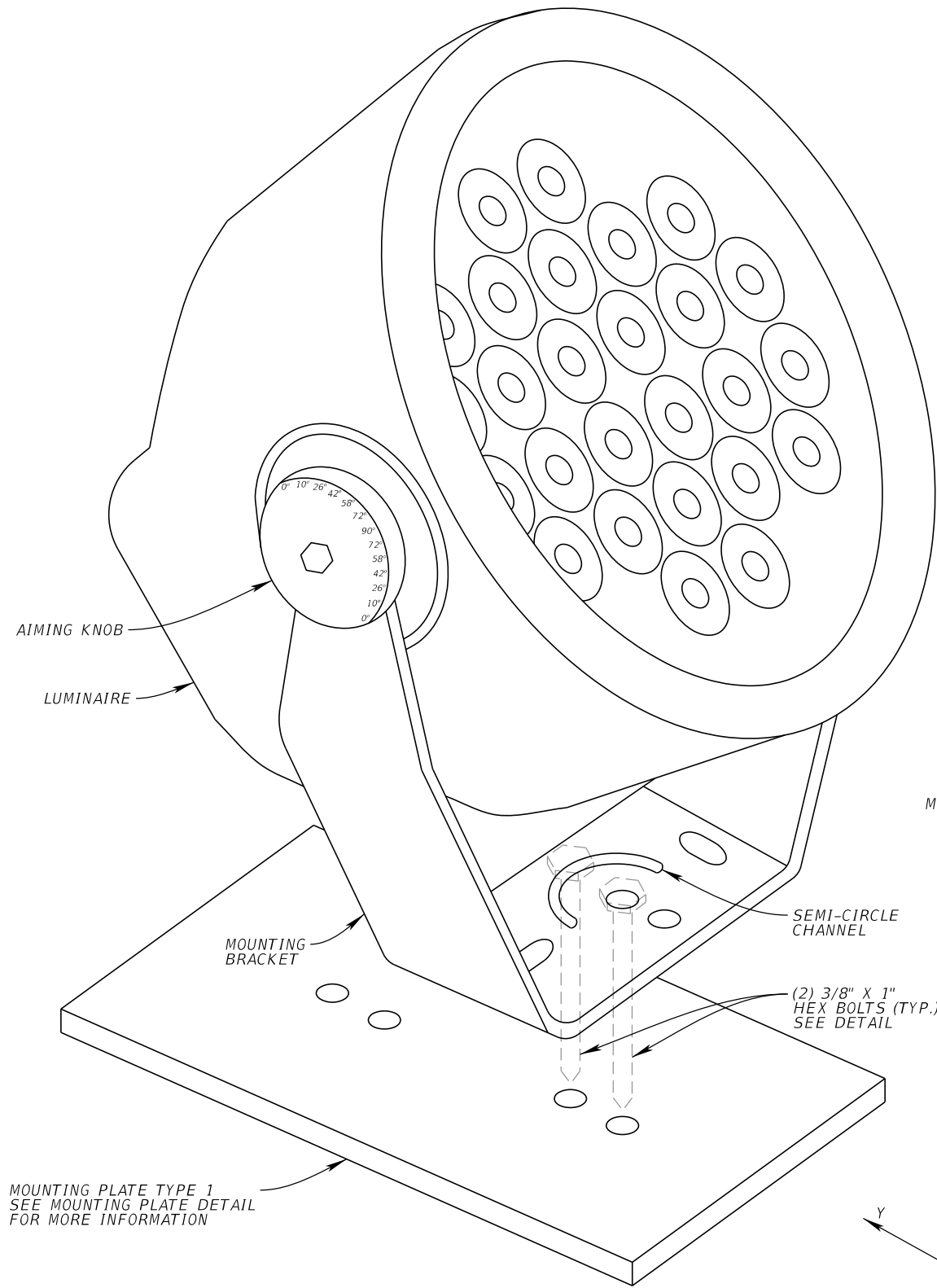
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**STRUCTURAL ARM DETAIL  
RETAINING WALL**

SHEET  
NO.

46

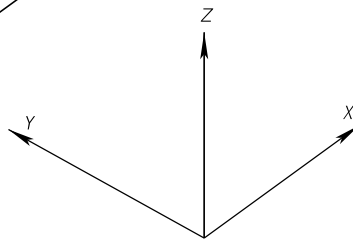
ISOMETRIC VIEW



HEX BOLT DETAIL

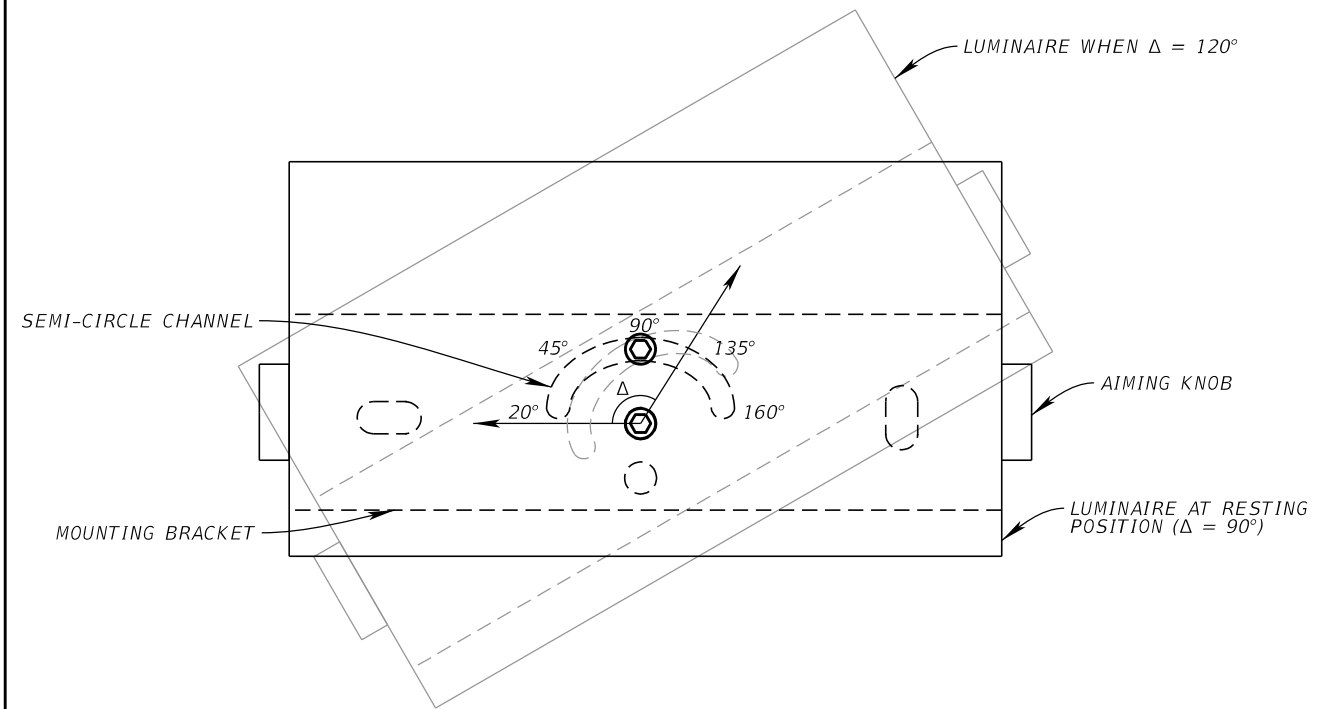
DYNA DRUM HO QW COLOR

MOUNTING PLATE TYPE 1  
SEE MOUNTING PLATE DETAIL  
FOR MORE INFORMATION



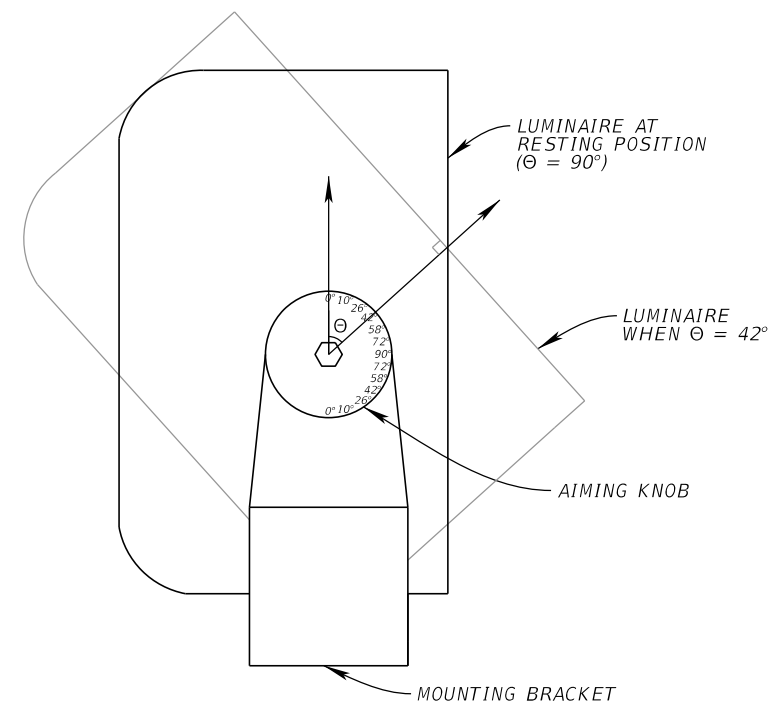
THE STRUCTURAL ARM DETAILS SHOW THE DYNA DRUM IN ITS RESTING POSITION. THIS IS SHOWN IN ORDER TO ORIENT THE SEMI-CIRCLE CHANNEL EITHER TOWARDS OR AWAY FROM THE BRIDGE SUPPORTS (PIER, STRADDLE BENT, ABUTMENT OR RETAINING WALL). RESTING POSITION IS WHEN  $\Delta=90^\circ$  AND  $\Theta=90^\circ$ . INTENT IS TO ORIENT SEMI-CIRCLE CHANNEL CORRECTLY AND THEN INSTALL LUMINAIRE AT THE SPECIFIC ROTATION ANGLES FOR EACH LUMINAIRE AS LISTED IN THE POLE DATA TABLES.

TOP VIEW



NOTE: VIEW IS SHOWING LUMINAIRE ROTATING ABOUT THE Z AXIS.  
 $\Delta$  VALUES WILL RANGE FROM  $20^\circ$  TO  $160^\circ$ .

ELEVATION VIEW



NOTE: VIEW IS SHOWING LUMINAIRE ROTATING ABOUT THE X AXIS.  
 $\Theta$  VALUES WILL RANGE FROM  $0^\circ$  TO  $90^\circ$ . THERE ARE NO LOCATIONS WHERE THE LOWER HALF OF THE AIMING KNOB IS UTILIZED.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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1777 MAIN STREET, SUITE 200  
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TAMPA HILLSBOROUGH  
EXPRESSWAY AUTHORITY

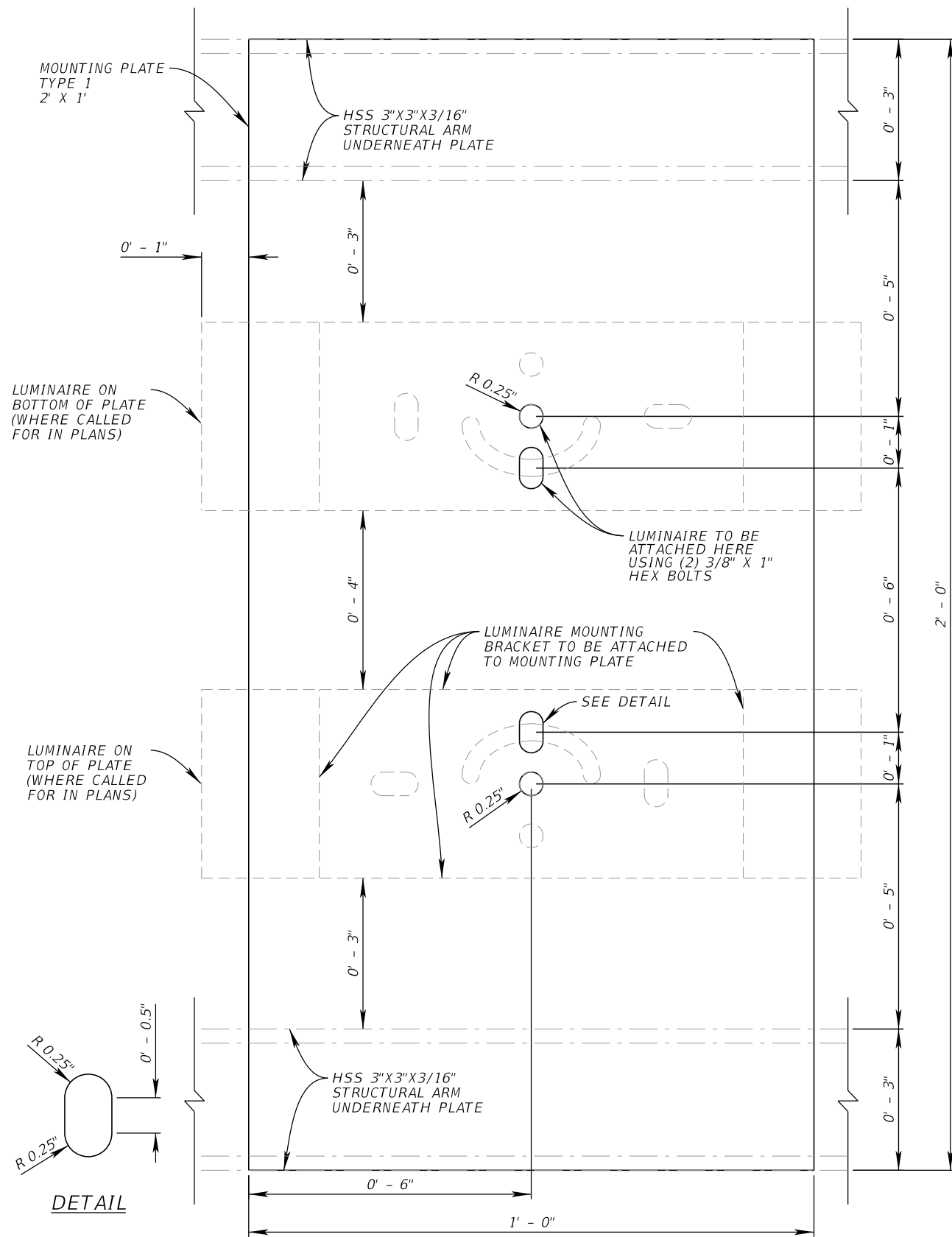
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**STRUCTURAL ARM DETAIL**  
**LUMINAIRE ROTATION ANGLE**

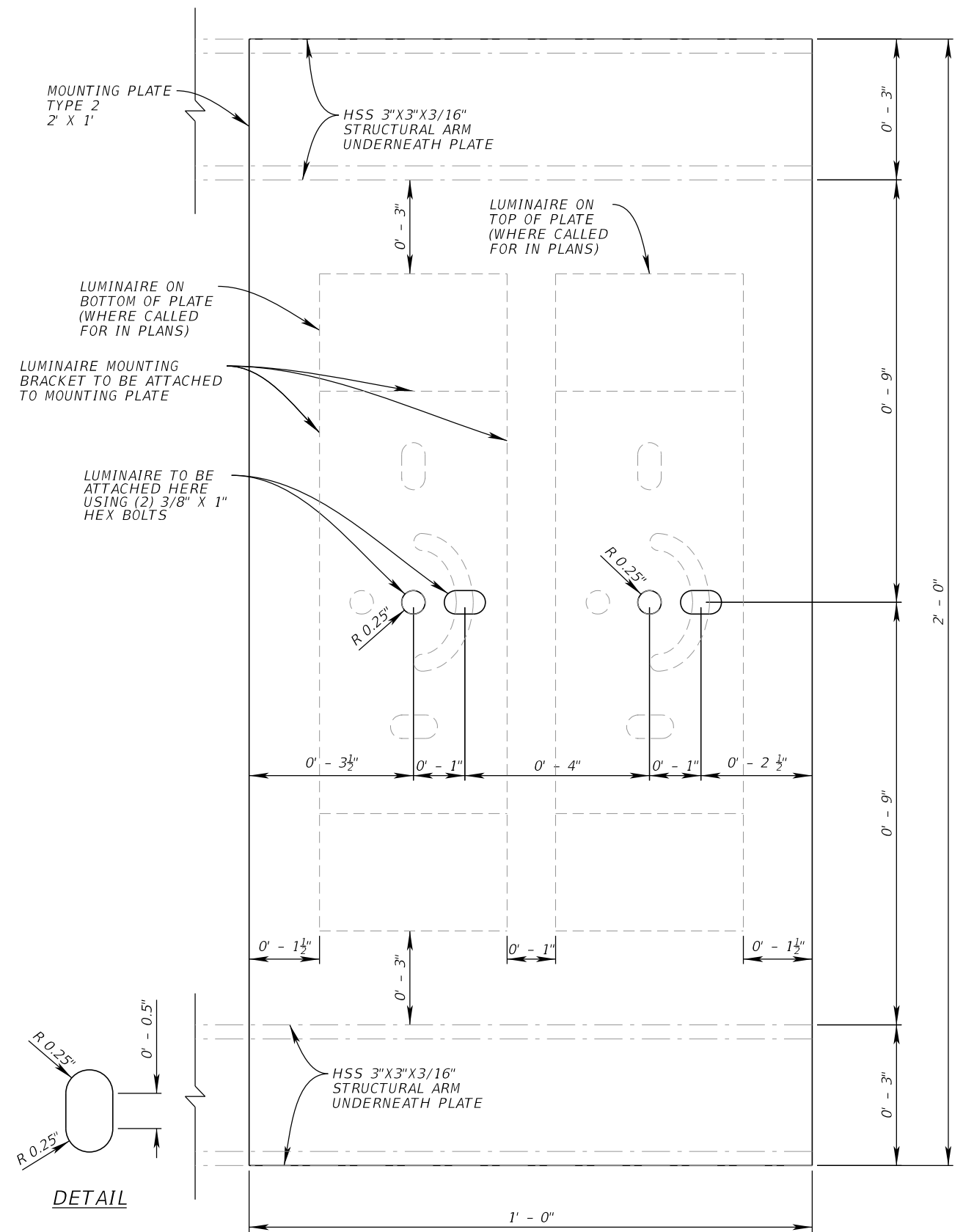
SHEET  
NO.

47

MOUNTING PLATE TYPE 1 DETAIL



MOUNTING PLATE TYPE 2 DETAIL



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
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 1777 MAIN STREET, SUITE 200  
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TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

<b>STRUCTURAL ARM DETAIL</b>		SHEET NO. <b>48</b>
<b>LUMINAIRE MOUNTING PLATE</b>		

GENERAL NOTES

DESIGN CRITERIA:

1. AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS (LRFDLTS-1) (2019).
2. STRUCTURES MANUAL, VOLUME 3, FDOT MODIFICATIONS TO LRFDLTS-1 (JANUARY 2019).
3. FDOT DESIGN MANUAL (FDM) (JANUARY 2020).

DESIGN SPECIFICATIONS:

1. FLORIDA DEPARTMENT OF TRANSPORTATION; STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED JANUARY 2020.
2. OTHER WORK NOT SPECIFICALLY ADDRESSED IN THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS SHALL BE PERFORMED IN CONFORMANCE WITH THE TECHNICAL SPECIAL PROVISIONS.

MATERIALS:

1. SPLIT-LOCK WASHERS AND SELF-LOCKING NUTS ARE NOT PERMITTED UNLESS OTHERWISE NOTED.
2. ALL STRUCTURAL STEEL SHALL BE ASTM A709, GRADE 36.
3. WELD METAL: E70XX
4. BOLTS, NUTS, AND WASHERS:
  - A. HIGH STRENGTH BOLTS: ASTM F3125, GRADE A325, TYPE 1
  - B. NUTS: ASTM A563 DH HEAVY-HEX
  - C. WASHERS: ASTM F436 TYPE 1
5. UNDERCUT ANCHORS, NUTS, AND WASHERS:
  - A. UNDERCUT ANCHORS: TYPE 316 WITH A MINIMUM FY= 92.8 KSI AND FU= 116 KSI.
  - B. NUTS: TYPE 316
  - C. WASHERS: TYPE 316
6. RESILIENT AND NEOPRENE PADS:
  - A. RESILIENT AND NEOPRENE PADS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS EXCEPT THAT TESTING OF THE FINISHED PADS IS NOT REQUIRED. NEOPRENE PADS SHALL BE DUROMETER HARDNESS 60 OR 70.

FABRICATION:

1. WELDING:
 

ALL WELDING WILL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (STEEL) ANSI/AWS D1.1 (CURRENT EDITION). WELD METAL WILL BE E70XX. NONDESTRUCTIVE TESTING OF WELDS IS NOT REQUIRED.

  - A. BOLTS: BOLT HOLE DIAMETER IS STANDARD BOLT HOLE + 1/16" FOR GALVANIZATION.
  - B. UNDERCUT ANCHOR: ANCHOR HOLE DIAMETER TO FOLLOW MANUFACTURER'S RECOMMENDATIONS AND SHALL COMPLY WITH DEVELOPMENTAL SPECIFICATIONS 416 AND 937.
  - C. PERFORM ALL WELDING IN ACCORDANCE WITH SPECIFICATIONS 460-6.4.
  - D. HOT DIP GALVANIZING AFTER FABRICATION.
2. COATING:
  - A. HOT-DIP GALVANIZE NUTS, WASHERS, AND BOLTS IN ACCORDANCE WITH SPECIFICATION SECTION 962. EXCLUDE STAINLESS STEEL UNDERCUT ANCHORS, NUTS, AND WASHERS.
  - B. SANDBLAST, PRIME, POWDERCOAT, AND APPLY SEALANT TO ALL FRAMEWORK (POSTS, MOUNTING PLATES, BASE PLATES, CAP PLATES, AND POST CLAMPS). POWDERCOATING COLOR IS SHERWIN WILLIAMS "BAHAMA BEIGE" BUT SHOULD MATCH EXISTING FIELD COLOR OF PIER FACE IF OBSOLETE.

ATTACHMENT NOTES:

1. UNDERCUT ANCHORS AND BOLTS TO MISS THE EXISTING REINFORCEMENTS.
2. THREADED RODS, NUTS, AND WASHERS:
  - A. AFTER THE NUTS HAVE BEEN TIGHTENED, DISTORT THE THREADED ROD THREADS TO PREVENT REMOVAL OF THE NUTS. COAT DISTORTED THREADS AND EXPOSED TRIMMED ENDS WITH A GALVANIZING COMPOUND IN ACCORDANCE WITH SPECIFICATION SECTION 562.
3. UNDERCUT ANCHOR INSTALLATION:
  - A. FOLLOW DEVELOPMENTAL SPECIFICATIONS 416 AND 937.

CONSTRUCTION:

CENTER LINE OF ALL CONSTRUCTION SHALL BE PARALLEL OR PERPENDICULAR TO THE HORIZON.

STRUCTURE ERECTION- GENERAL REQUIREMENTS:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WEIGHT OF STRUCTURAL ARMS TYPE 1A AND TYPE 2 INSURING THE STABILITY OF EACH SEGMENT DURING ERECTION.
2. PLACE STRUCTURAL ARMS 1A AND 2 ON BOTH SIDES OF THE PIER AND TENSION TOP THREADED ROD OVER THE PIER TO 3,000 LBS. FOLLOW DESIGNATION FM 5-581 FOR PROCEDURE TO PERFORM ROTATIONAL CAPACITY TO ENSURE THE FASTENER ASSEMBLIES ARE CAPABLE OF DEVELOPING THE SPECIFIED BOLT TENSION. TO MEASURE THE TENSION OF THE BOLT DURING INSTALLATION OR FOR INSPECTION PURPOSES, USE THE SKIDMORE-WILHELM BOLT TENSION CALIBRATOR OR OTHER SIMILAR DEVICES.
3. INSTALL LUMINAIRES AS PER SPECIFICATIONS.

GENERAL PROJECT NOTES:

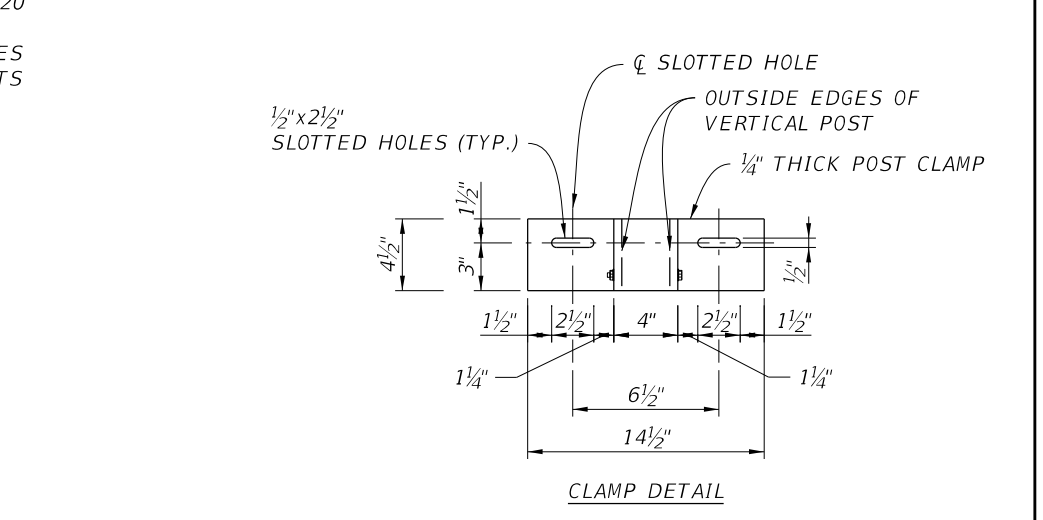
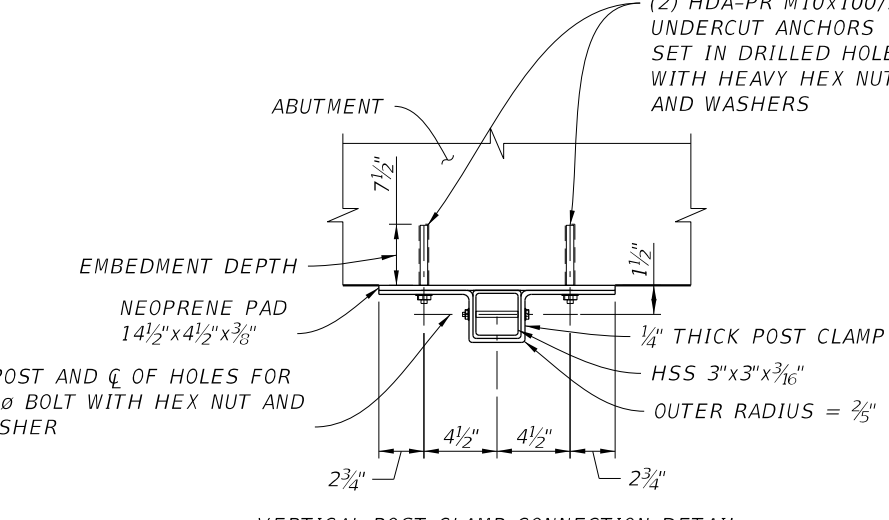
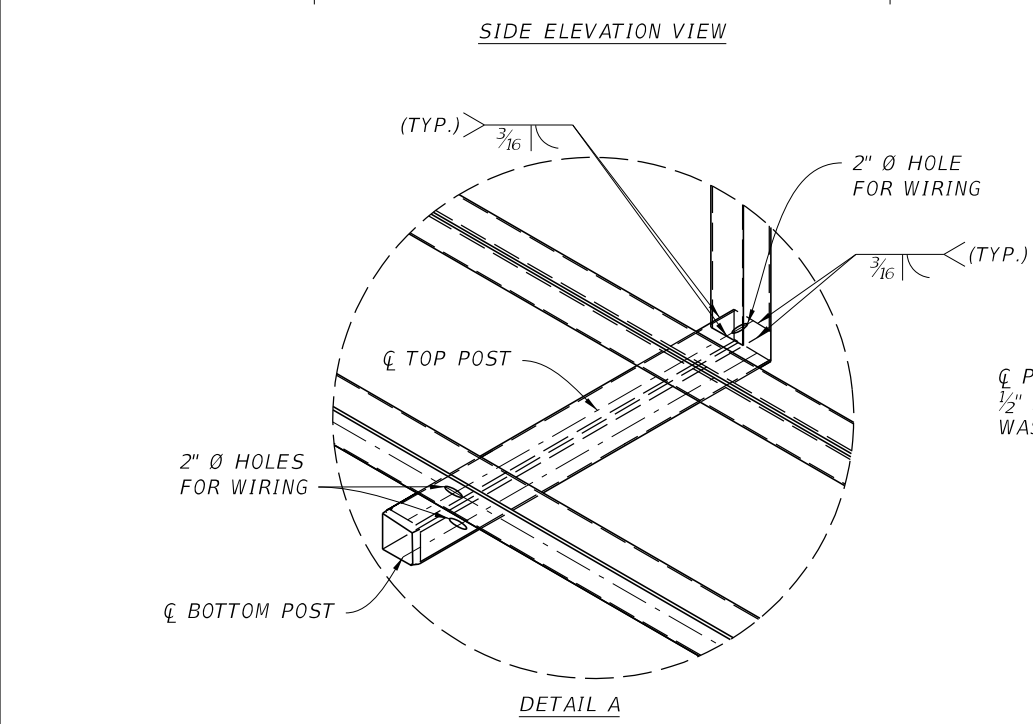
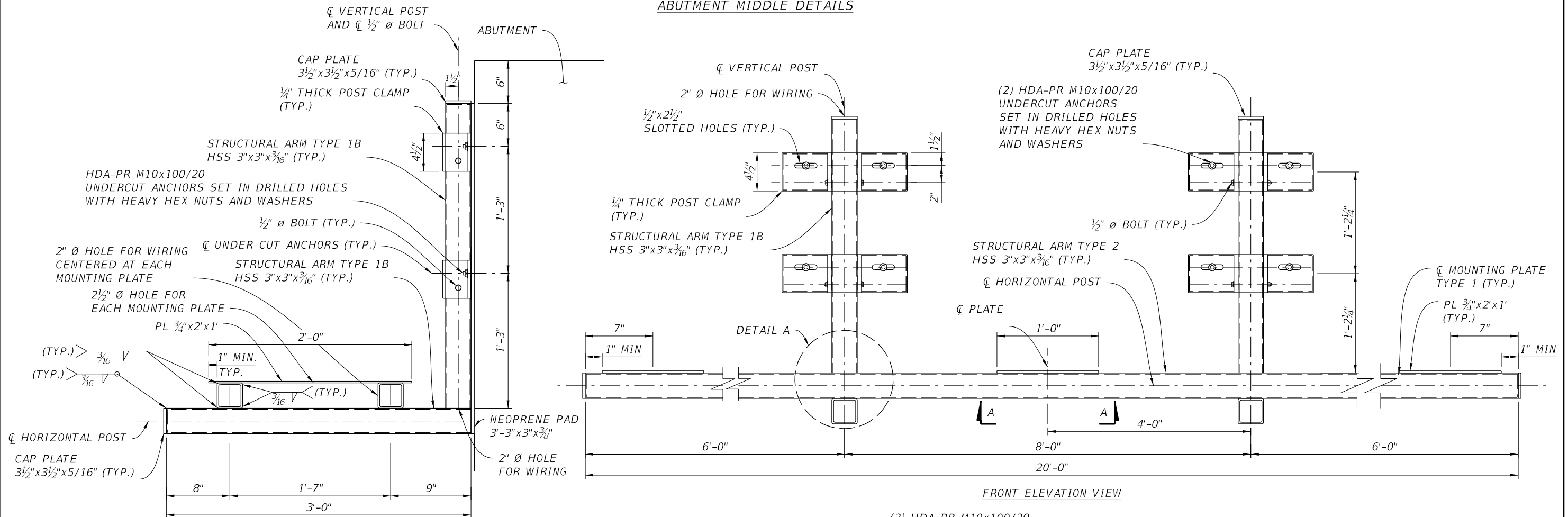
1. CONTRACTOR BIDDING SHALL PROVIDE AND ENSURE THEIR SUBCONTRACTORS BIDDING THIS PROJECT BECOME FAMILIAR WITH ALL CONSTRUCTION DRAWING SHEETS AND SPECIFICATIONS AND BASE ALL DISCIPLINE BIDS ON THE TOTALITY OF THE CONTRACT DOCUMENTS.
2. SHOP DRAWINGS ARE REQUIRED FOR APPROVAL PRIOR TO FABRICATION. PROVIDE ALL DRAWINGS NECESSARY TO COMPLETE STRUCTURES IN COMPLIANCE WITH THE DESIGN SHOWN IN THE PLANS. INCLUDE THE FOLLOWING:
  - A. THREADED RODS
  - B. WELDS
  - C. POST CLAMP
  - D. HOLES FOR WIRING
  - E. BASEPLATES
3. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE CODES AND LOCAL REGULATIONS.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND IMPLEMENT NECESSARY MEASURES TO ENSURE THE SAFETY OF ALL PERSONS ON SITE, VISITING THE SITE AND WORKING ON THE SITE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOT OBSTRUCTING STREETS, SIDEWALKS, AND/OR OTHER RIGHT-OF-WAYS WITHOUT FIRST OBTAINING PROPER PERMITS FROM THEA AND NOTIFYING FDOT.
6. ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OFF SITE, IN COMPLIANCE WITH ALL APPLICABLE LAWS/REGULATIONS, BY THE CONTRACTOR.
7. THE CONTRACTOR SHALL NOT DETERMINE THE SIZE OF CONSTRUCTION ELEMENTS BY MEASURING THE DRAWINGS WITH A SCALE.
8. THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING ANY WORK AND SHALL BE RESPONSIBLE FOR COORDINATION OF ALL DIMENSIONS, WORK AND MATERIALS REQUIRED.
9. THE CONTRACTOR SHALL REPORT TO THE ENGINEER ANY ERROR, INCONSISTENCY OR OMISSION DISCOVERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTING ANY ITEM(S) OF CONSTRUCTION NOT CONFORMING TO THE CONSTRUCTION DOCUMENTS.
10. CONDITIONS AND ITEMS SHOWN IN SECTIONS AND DETAILS APPLY TO ALL SIMILAR CONDITIONS UNLESS SPECIFICALLY NOTED OTHERWISE.
11. THE CONTRACTOR SHALL PROVIDE FOR ENGINEER REVIEW, A STAGING PLAN AND SECURITY FENCING PLAN FOR ALL MATERIAL STORED ON SITE, EQUIPMENT STORAGE AREA, PARKING AREA, STAGING AREAS AND OTHER AREAS DEFINED REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION.

SECURITY NOTES:

1. ACCESS TO SITE: CONTRACTOR MUST COORDINATE WITH THEA FOR ACCESS REQUIREMENT FOR ALL EMPLOYEES AND EQUIPMENT OF THE CONTRACTOR AND/OR SUBCONTRACTORS.

REVISIONS				KIMLEY-HORN AND ASSOCIATES, INC. JORGE PEREZ, P.E P.E LICENSE NO. 42690 189 S. ORANGE AVE, SUITE 1000 ORLANDO, FL 32801	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			SHEET NO.  49
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R 618	HILLSBOROUGH	0-01217	

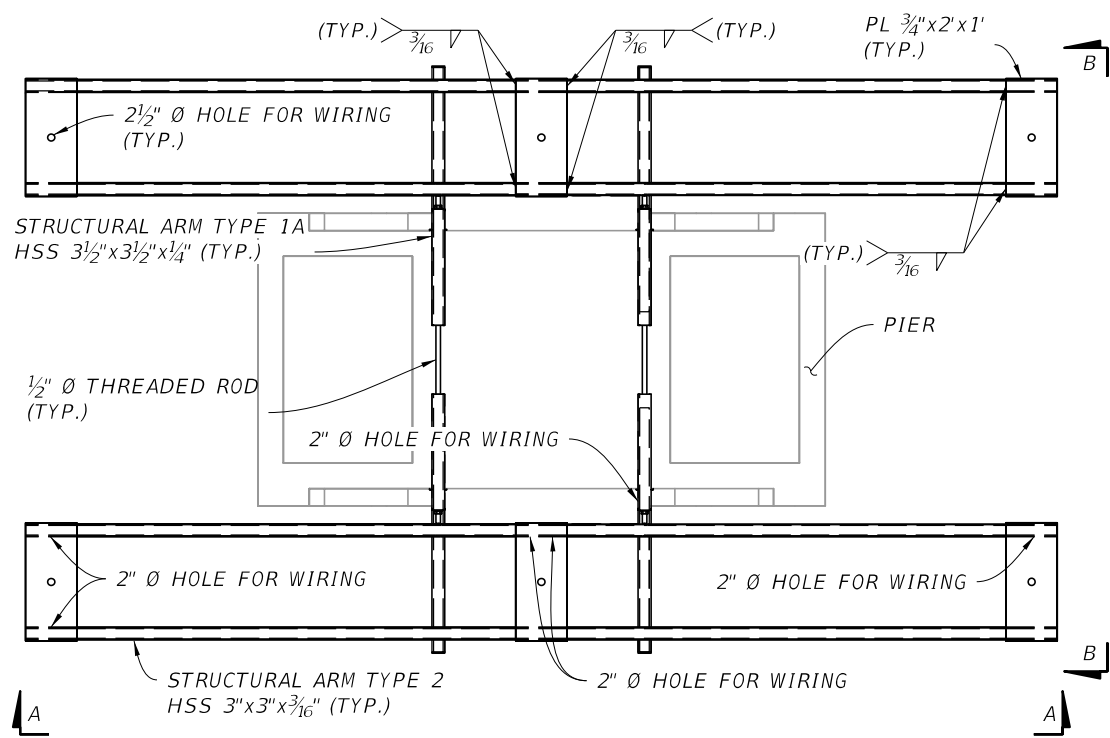
ABUTMENT MIDDLE DETAILS



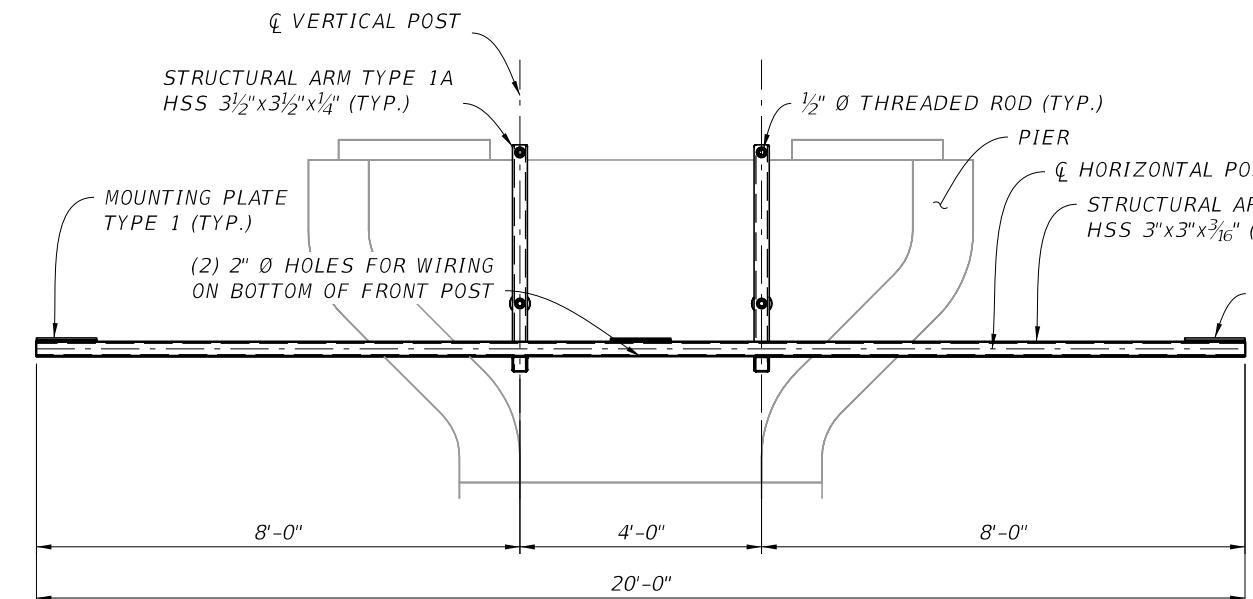
- NOTES:**
- REFER TO WIRING DETAILS FOR MORE INFORMATION ON WIRING SCHEMATIC.
  - FOR ADJUSTMENTS PROVIDE SLOTTED HOLES ON POST CLAMP AS SHOWN IN FRONT ELEVATION VIEW TO AVOID EXISTING REINFORCING STEEL.
  - WIRING HOLES ARE LOCATED AT THE CENTROID OF HSS MEMBERS.

REVISIONS				KIMLEY-HORN AND ASSOCIATES, INC. JORGE PEREZ, P.E. P.E. LICENSE NO. 42690 189 S. ORANGE AVE, SUITE 1000 ORLANDO, FL 32801	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			STRUCTURAL CONNECTION ABUTMENT MIDDLE DETAILS	SHEET NO. 50
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
					S.R 618	HILLSBOROUGH	0-01217		

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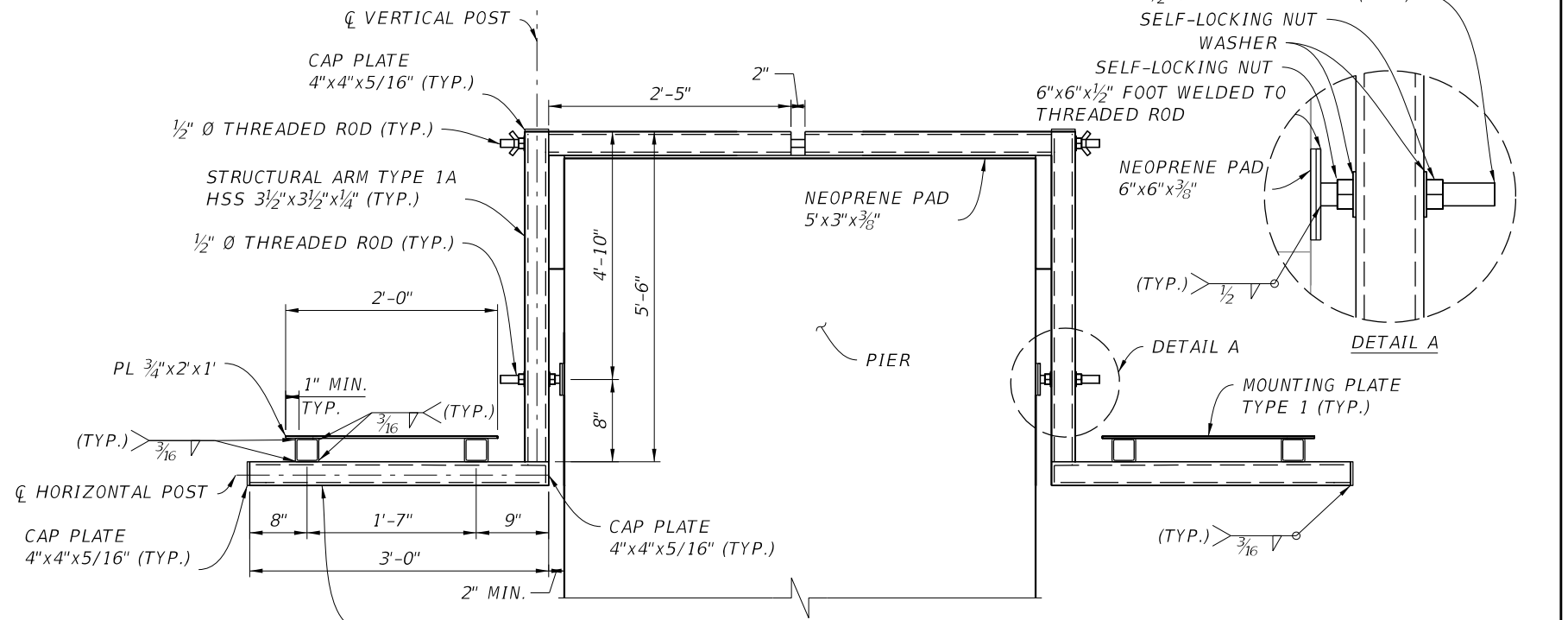
PIER PLAN VIEW



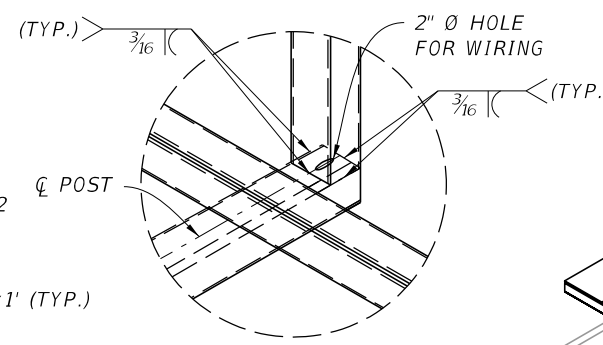
FRONT ELEVATION VIEW SECTION A-A

NOTES:

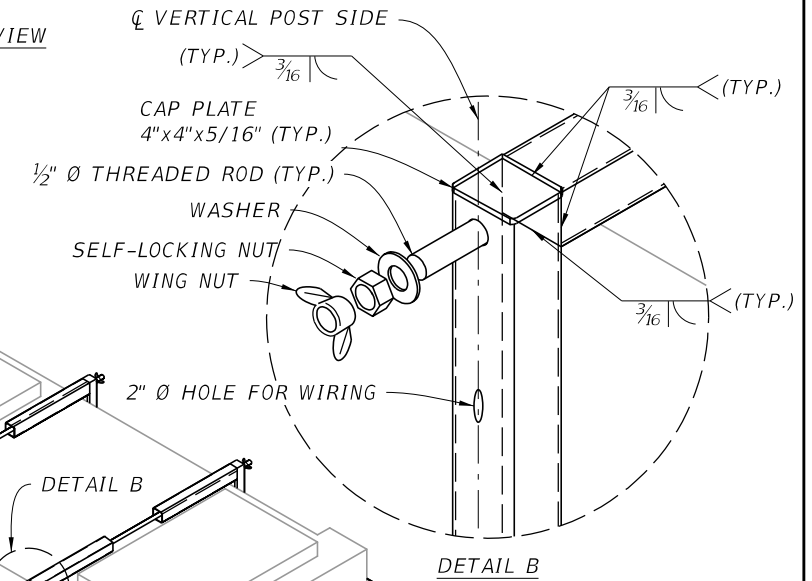
- REFER TO WIRING DETAILS FOR MORE INFORMATION ON WIRING SCHEMATIC.
- THREADED ROD AS INDICATED ON THE PLANS, SHALL BE WILLIAMS HEX-LOCK BRACKET H1, WING NUTS W1, AND R6J GRADE 60 THREADED END REBAR ASTM A-615 OR APPROVED EQUAL.
- PROVIDE A MINIMUM TENSION OF 3,000 LBS IN TOP THREADED ROD.
- WIRING HOLES ARE LOCATED AT THE CENTROID OF HSS MEMBERS.
- WIRING HOLES DEPICTED IN DETAILS APPLY TO BOTH SIDES OF THE PIER, MIRRORED ABOUT THE CENTERLINE OF PIER.



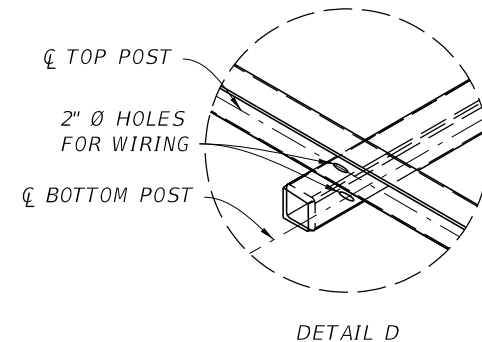
SIDE ELEVATION VIEW SECTION B-B



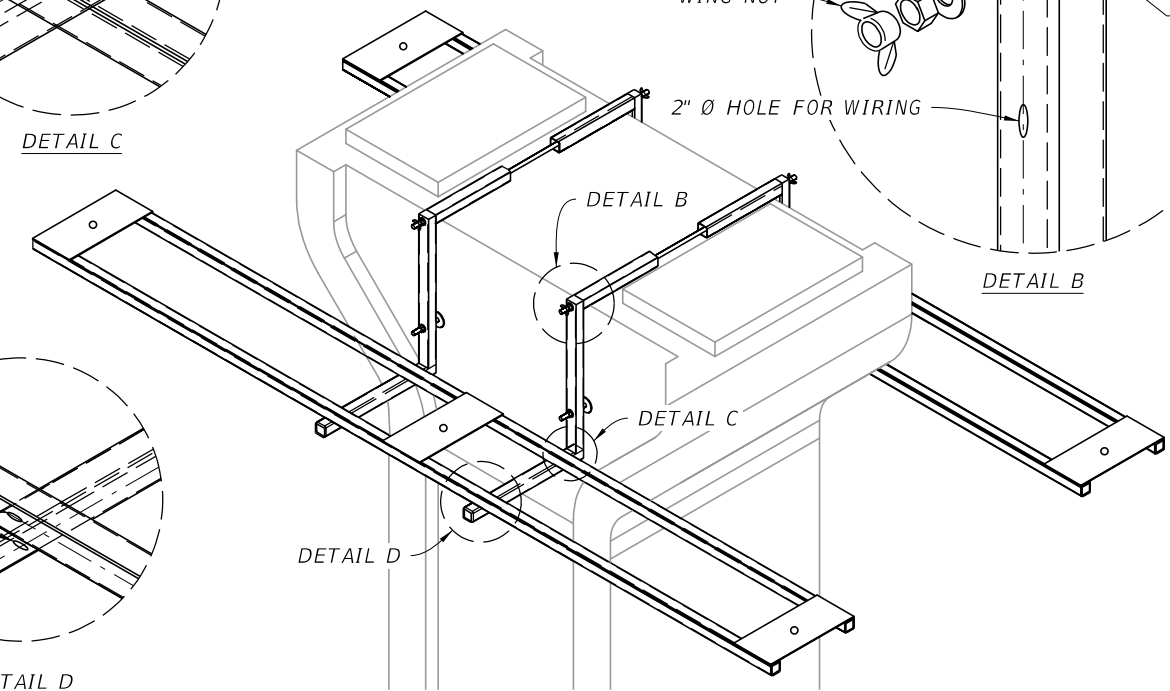
DETAIL C



DETAIL B



DETAIL D



ISOMETRIC DETAIL VIEW

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

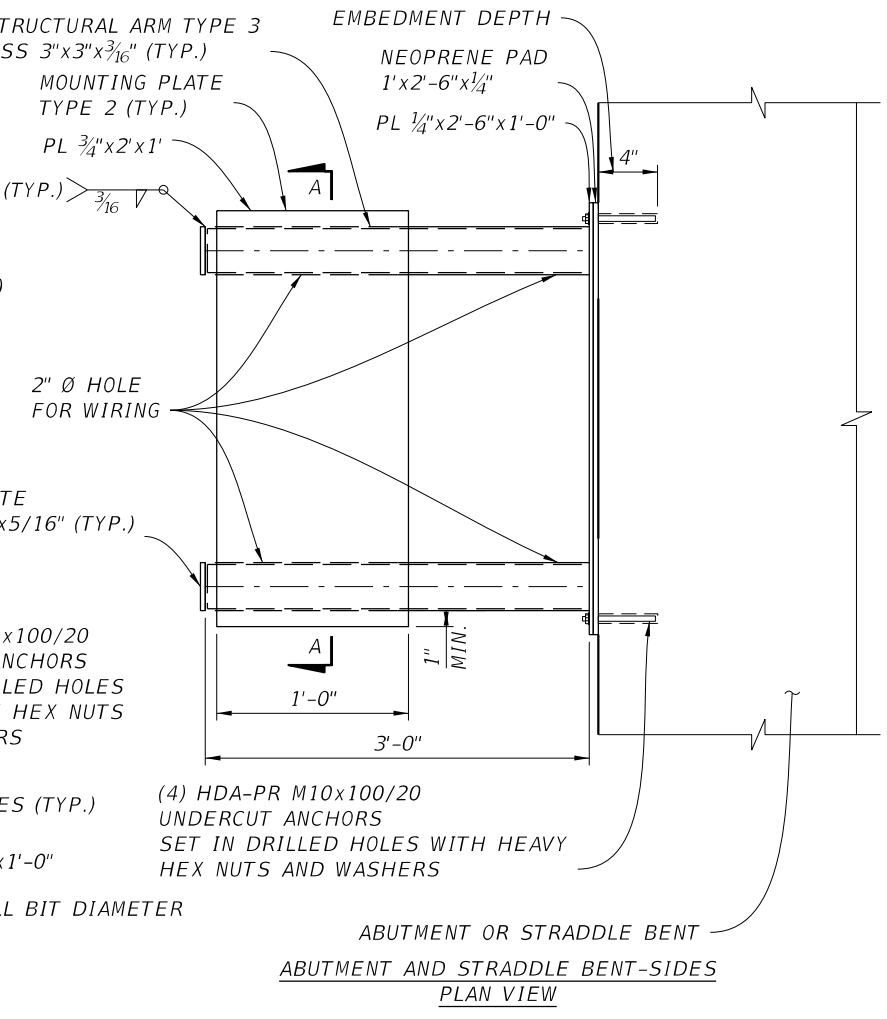
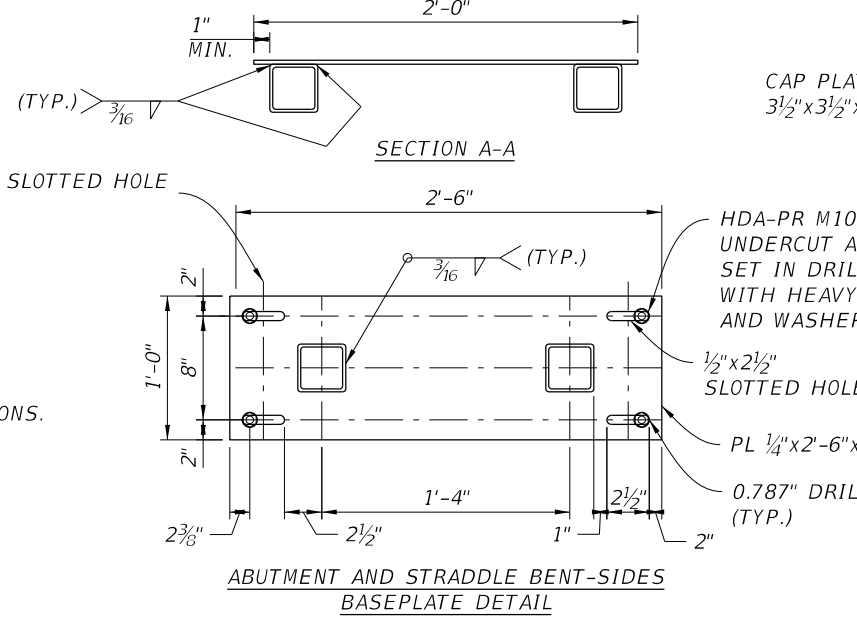
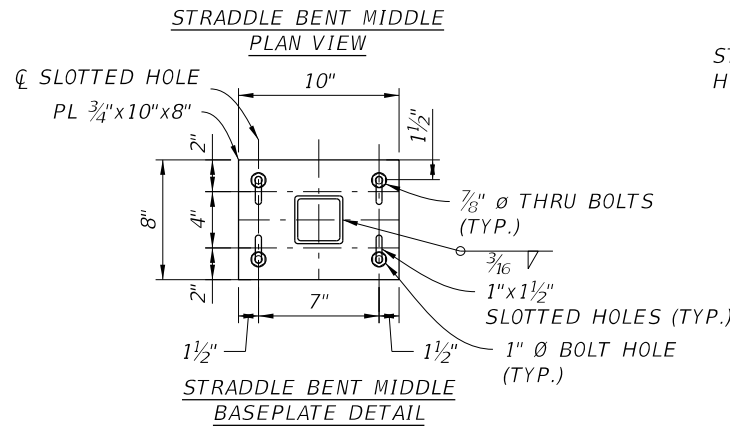
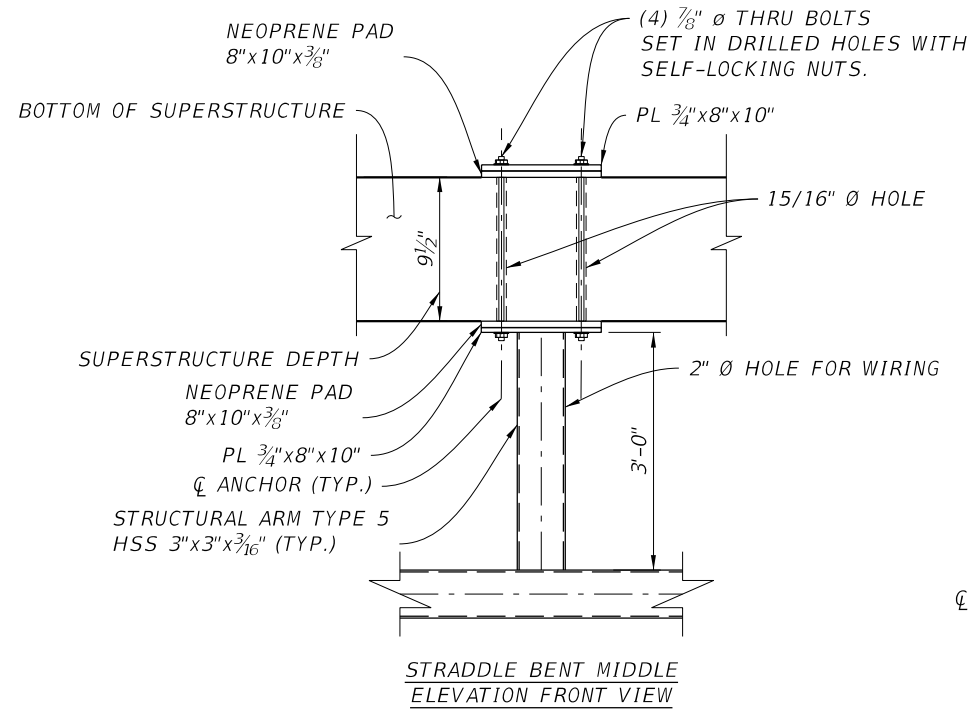
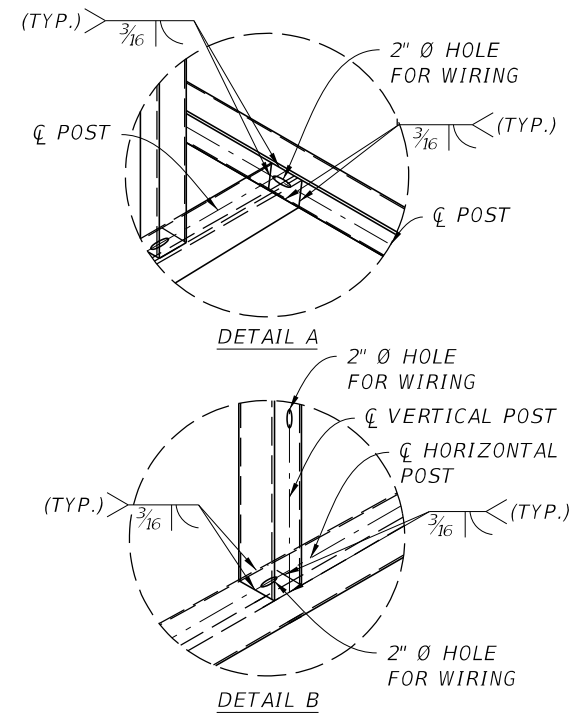
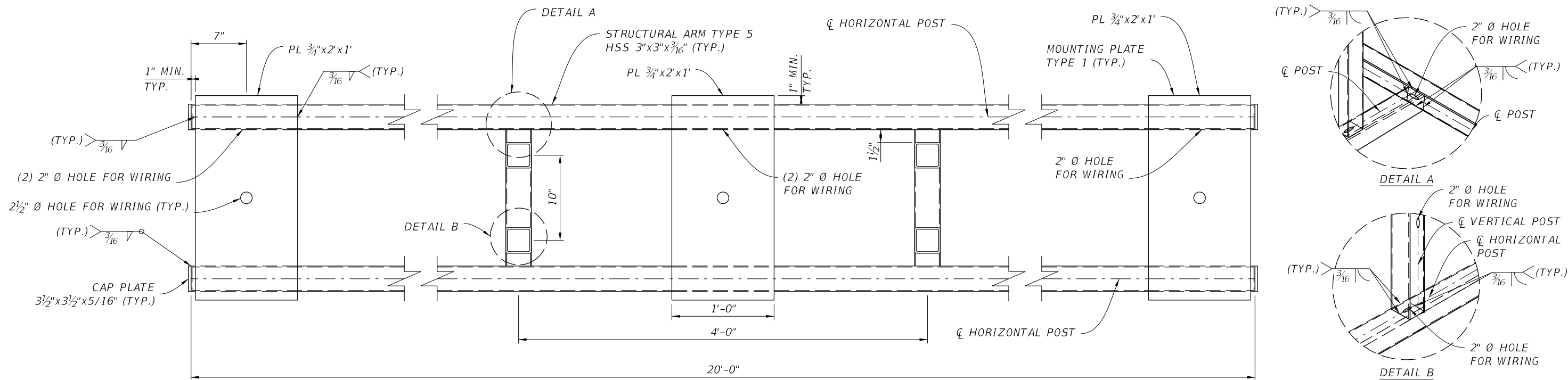
KIMLEY-HORN AND ASSOCIATES, INC.  
 JORGE PEREZ, P.E.  
 P.E. LICENSE NO. 42690  
 189 S. ORANGE AVE, SUITE 1000  
 ORLANDO, FL 32801

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R 618	HILLSBOROUGH	0-01217

**STRUCTURAL CONNECTION**  
**PIER DETAILS**

SHEET NO.  
 51

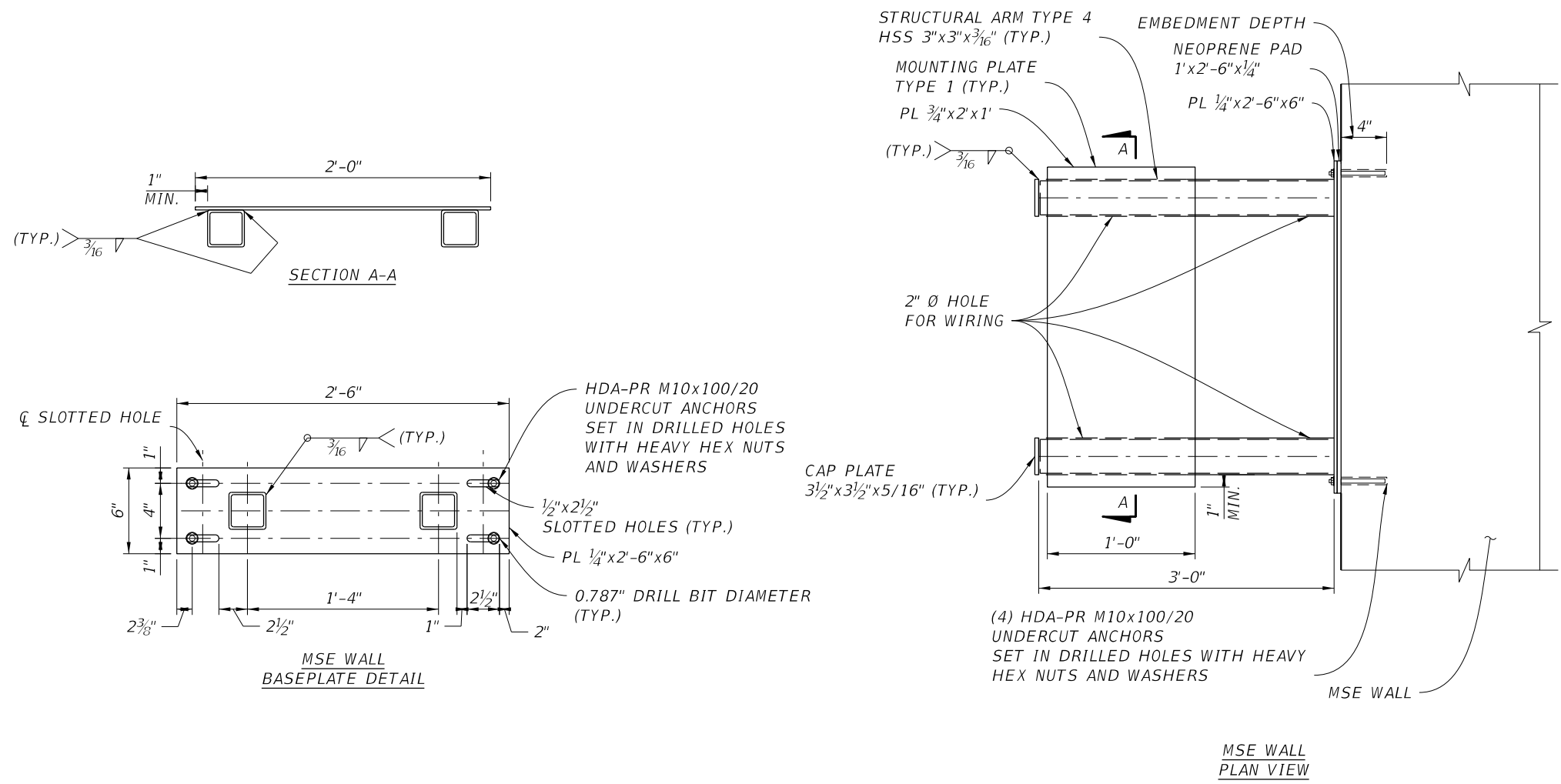
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- NOTES:**
- REFER TO "STRUCTURAL ARM DETAIL" SHEETS FOR STRUCTURAL ARM DESIGNATIONS.
  - REFER TO WIRING DETAILS FOR MORE INFORMATION ON WIRING SCHEMATIC.
  - WIRING HOLES ARE LOCATED AT THE CENTROID OF HSS MEMBERS.

REVISIONS				KIMLEY-HORN AND ASSOCIATES, INC. JORGE PEREZ, P.E. P.E. LICENSE NO. 42690 189 S. ORANGE AVE, SUITE 1000 ORLANDO, FL 32801	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			STRUCTURAL CONNECTION STRADDLE BENT & ABUTMENT DETAILS	SHEET NO. 52
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
					S.R 618	HILLSBOROUGH	0-01217		

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**NOTES:**

1. REFER TO "STRUCTURAL ARM DETAIL" SHEETS FOR STRUCTURAL ARM DESIGNATIONS.
2. REFER TO WIRING DETAILS FOR MORE INFORMATION ON WIRING SCHEMATIC.
3. WIRING HOLES ARE LOCATED AT THE CENTROID OF HSS MEMBERS.

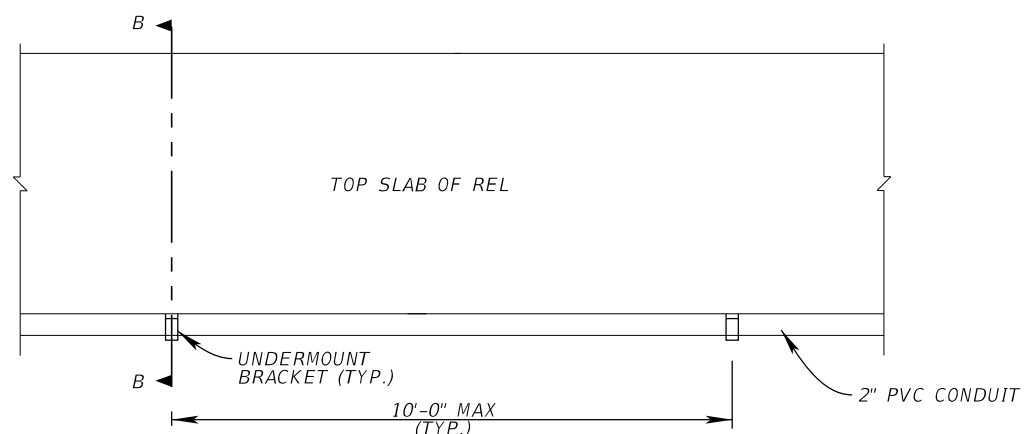
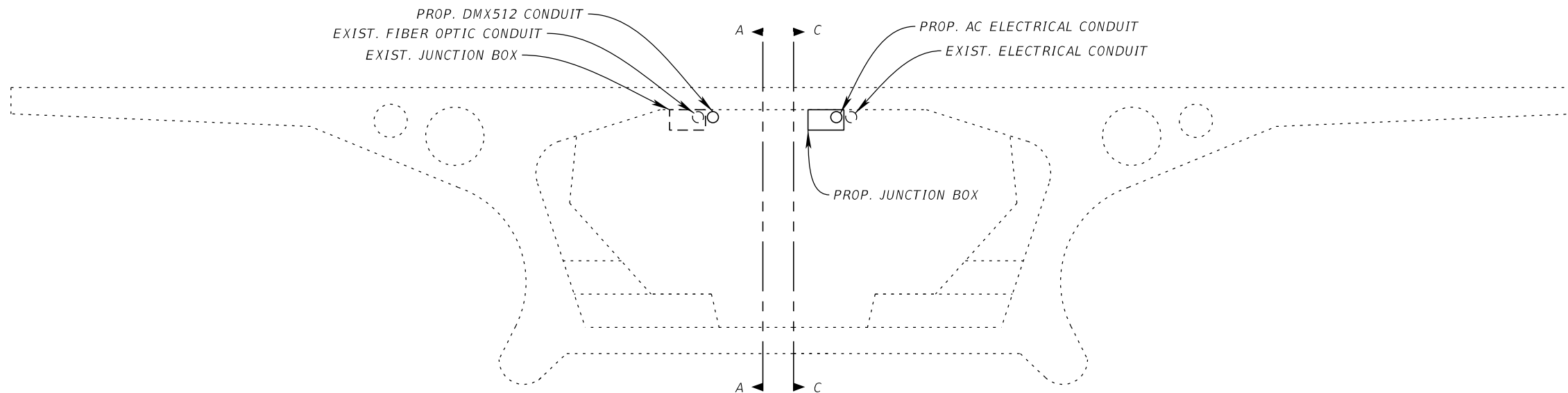
REVISIONS				KIMLEY-HORN AND ASSOCIATES, INC. JORGE PEREZ, P.E. P.E. LICENSE NO. 42690 189 S. ORANGE AVE, SUITE 1000 ORLANDO, FL 32801	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			STRUCTURAL CONNECTION MSE WALL DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
					S.R 618	HILLSBOROUGH	0-01217		53

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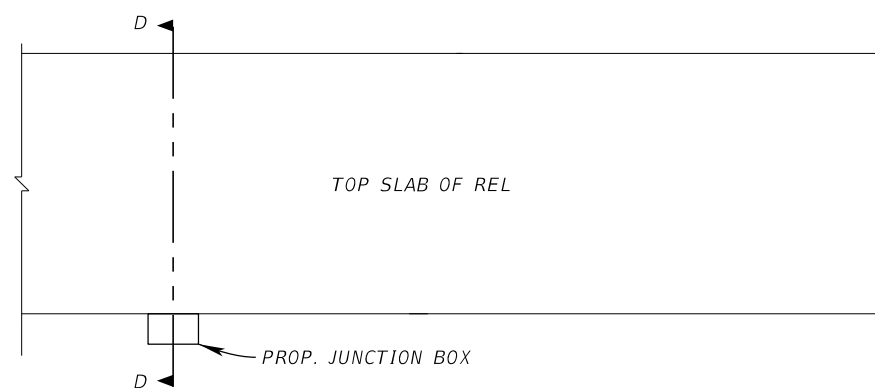
NOTES:

- BRACKET LOCATION MAY BE SLIGHTLY SHIFTED TO MISS EXIST. REINF.
- DETAILS ARE NOT DRAWN TO SAME SCALE.
- COST OF BRIDGE UNDERMOUNT ANCHOR SYSTEM AND ALL INCIDENTAL HARDWARE FOR THE INSTALLATION OF CONDUIT IS INCLUDED IN THE COST OF PAY ITEM 630-2-15.
- COST OF MOUNTING JUNCTION BOXES AND ALL INCIDENTAL LABOR AND HARDWARE IS INCLUDED IN THE COST OF PAY ITEM 635-3-12.
- SIDE VIEW IS LOOKING WESTWARD THROUGH ELEVATED BRIDGE STRUCTURE.
- METHOD OF INSTALLATION FOR JUNCTION BOXES AND CONDUIT IS NOT LIMITED TO UNDERMOUNTING AS SHOWN ON THIS SHEET. SEE WIRING DETAILS FOR SIDEMOUNT APPLICATION.

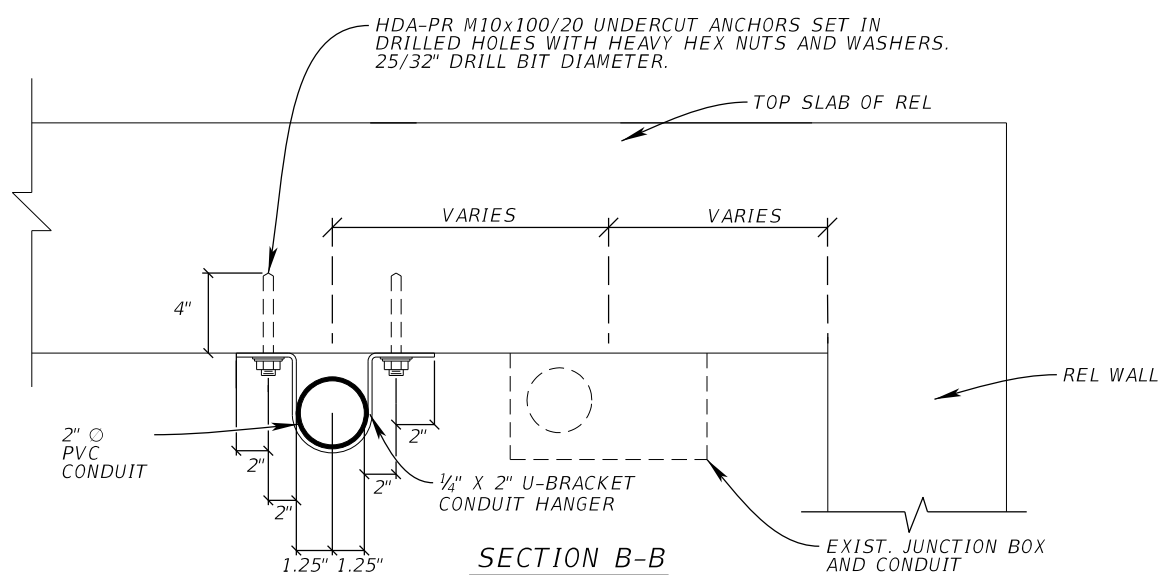
SEGMENTAL ELEVATED BRIDGE SIDE VIEW



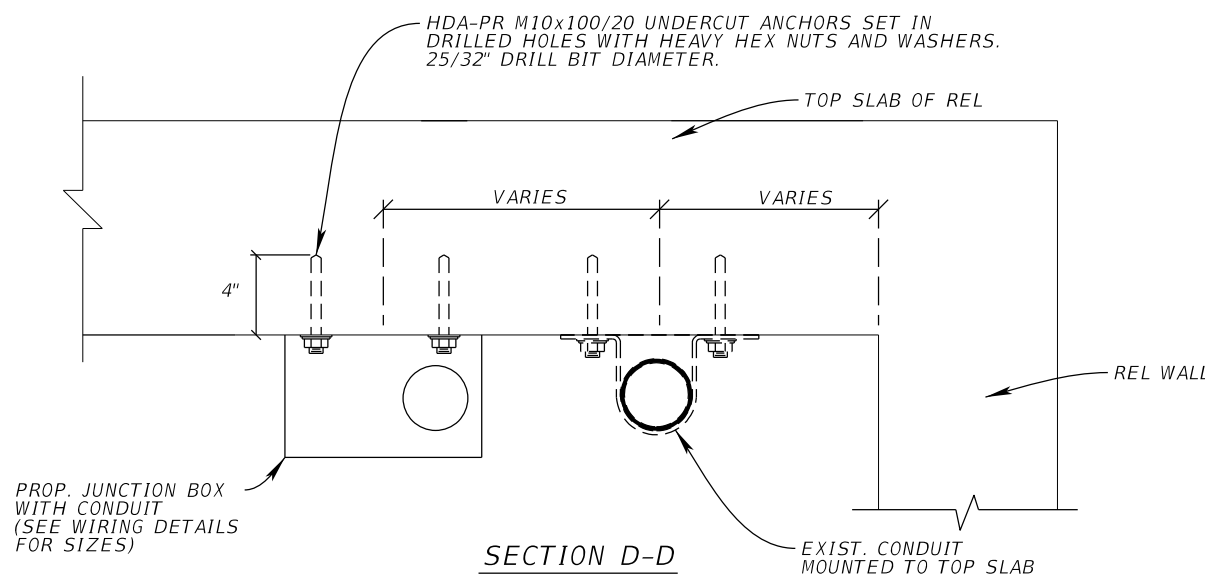
SECTION A-A  
N.T.S.



SECTION C-C  
N.T.S.



SECTION B-B  
N.T.S.



SECTION D-D  
N.T.S.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
P.E. LICENSE NUMBER 76102  
KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

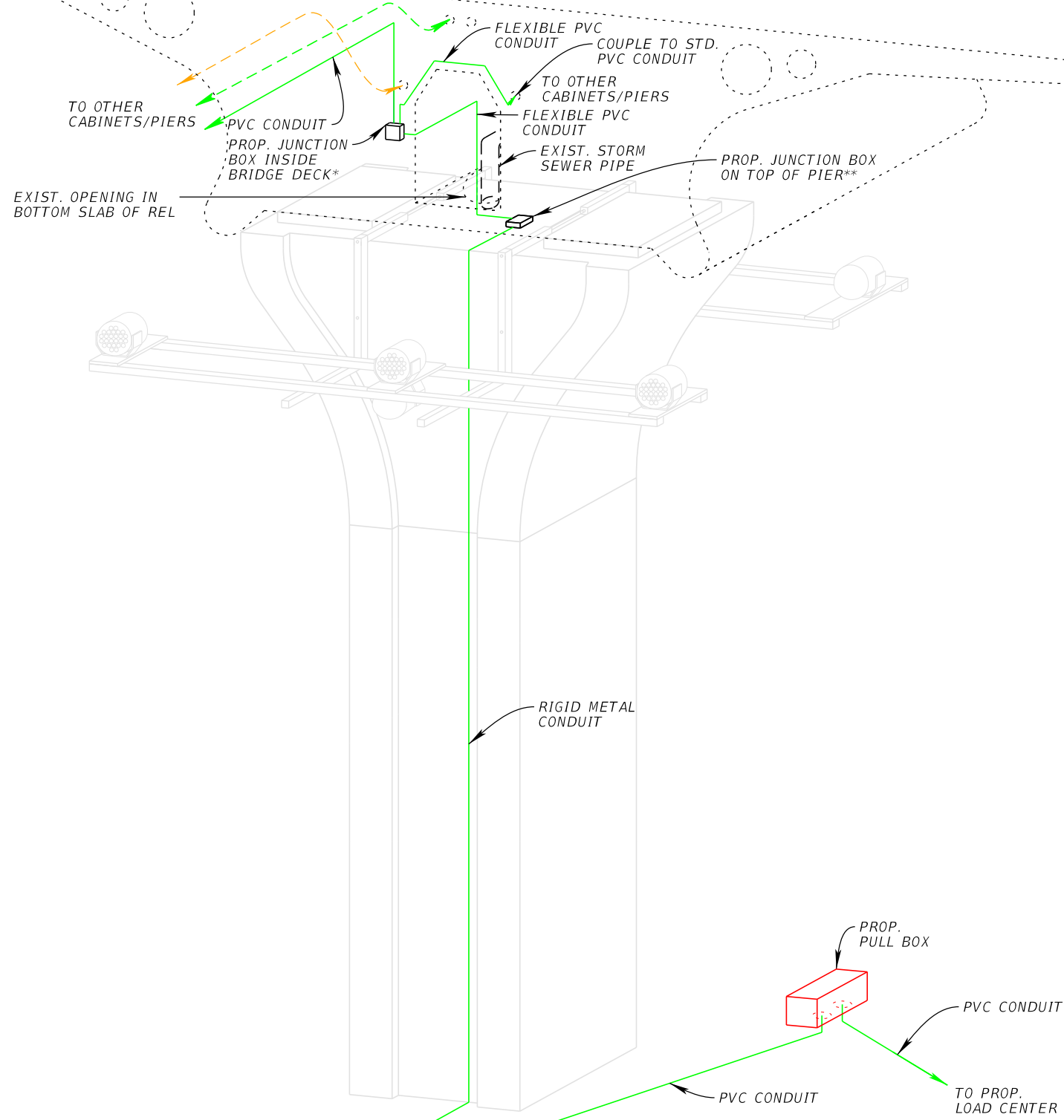
CONDUIT AND JUNCTION BOX MOUNTING DETAILS

SHEET NO.  
54

NOTE: FOR DMX512 & ELECTRICAL WIRING THROUGH STRUCTURAL ARMS, SEE WIRING DETAIL GENERAL LAYOUT

\*PROP. JUNCTION BOX FOR CABINET IS 12"X12"X4" (MIN.)

\*\*PROP. JUNCTION BOX ON TOP OF PIER IS 6"X6"X4" (MIN.)



**LEGEND**

<span style="color: green;">—</span>	PROP. AC ELECTRICAL CONDUIT
<span style="color: orange;">- - -</span>	EXIST. FIBER OPTIC CONDUIT
<span style="color: green;">- - -</span>	EXIST. ELECTRICAL CONDUIT

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

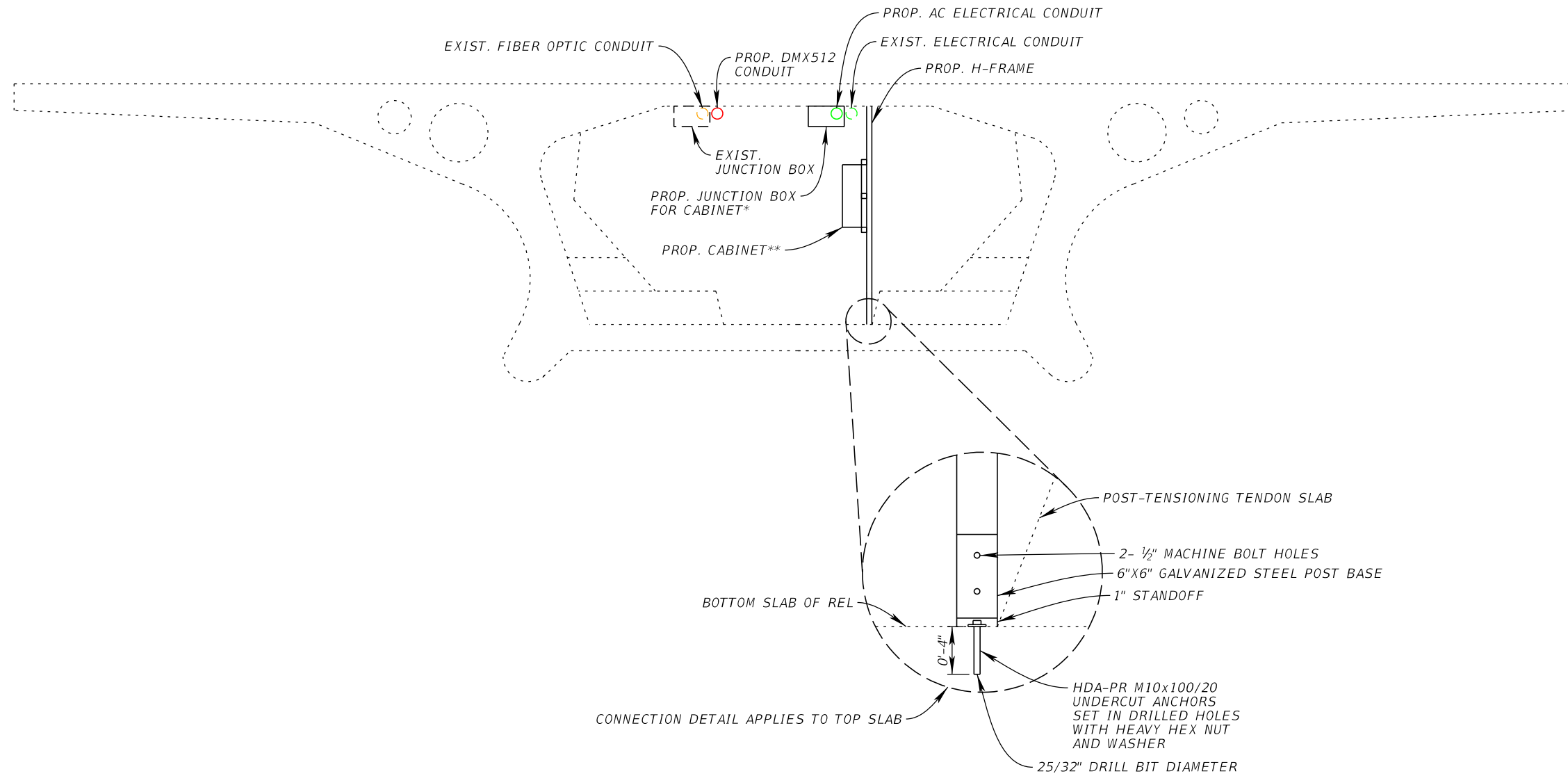
**WIRING DETAIL**  
**LOAD CENTER CONNECTION**

SHEET NO.  
 55

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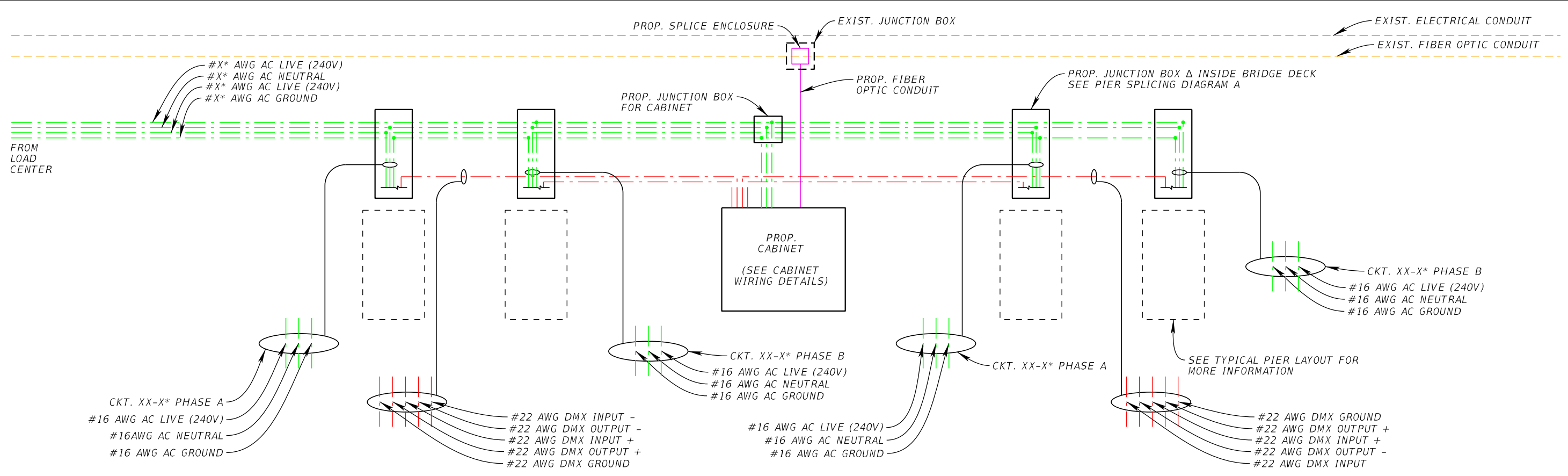
**NOTES:**

1. VIEW IS LOOKING WESTWARD THROUGH ELEVATED BRIDGE STRUCTURE
  2. SEE WIRING DETAIL GENERAL LAYOUT FOR HOW CONDUIT TIES INTO CABINET
  3. UTILIZE NON-DESTRUCTIVE TESTING AS NECESSARY TO ADJUST H-FRAME ASSEMBLY LOCATION ALONG ALIGNMENT TO ENSURE NO IMPACT TO TRAVERSE PT TENDONS ON TOP SLAB OF BOX GIRDER.
- \*PROP. JUNCTION BOX FOR CABINET IS 12"X12"X4" (MIN.)
- \*\*SEE CABINET INSTALLATION DETAIL IN ITS PLANS FOR MORE INFORMATION



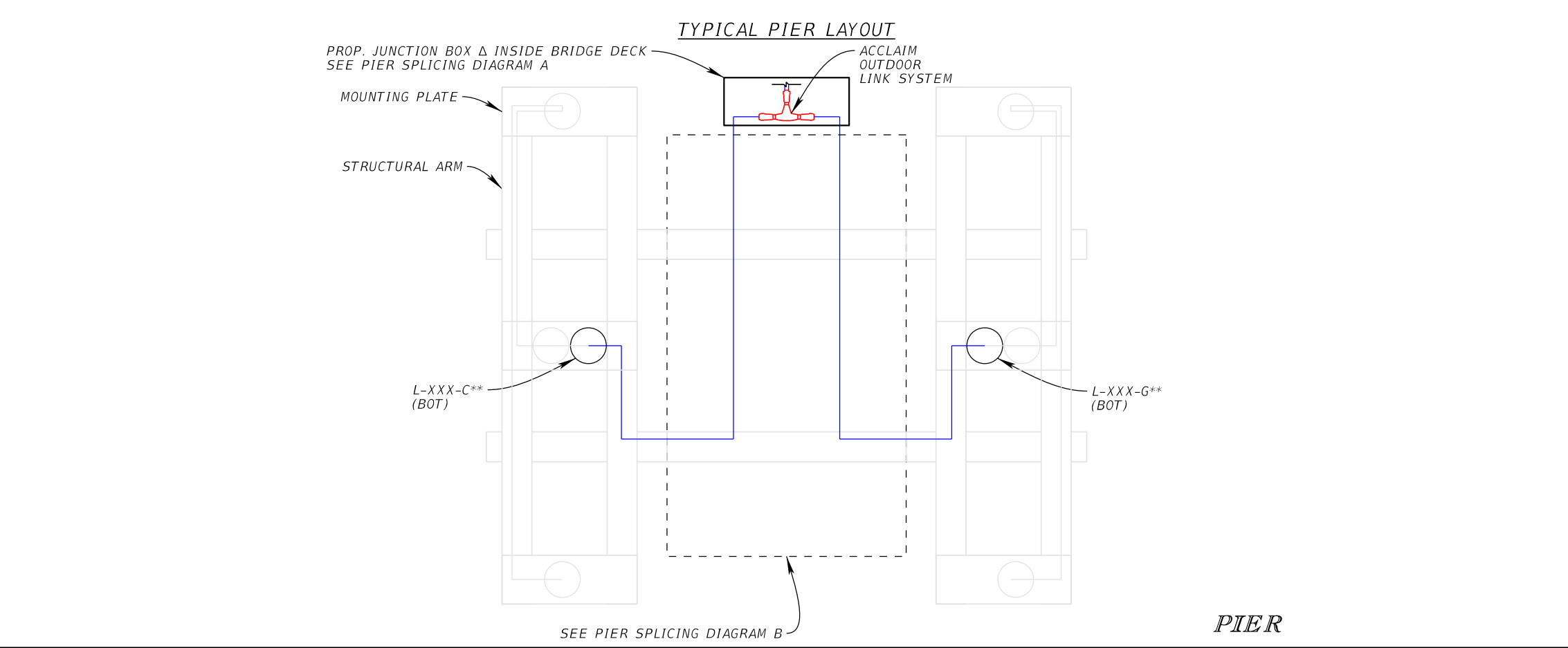
REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			WIRING DETAIL BRIDGE DECK CONDUIT RUNS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		56
					S.R. 618	HILLSBOROUGH	O-01217		

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\*SEE PLAN SHEETS FOR CIRCUIT NAMES AND SIZES OF CONDUCTORS.  
 \*\*SEE POLE DATA TABLES FOR LUMINAIRE NUMBERS.  
 NOTE: DETAIL ONLY SHOWS 1 CIRCUIT AND 4 DMX512 UNIVERSES. TYPICALLY, THERE WILL BE MULTIPLE CIRCUITS AND MORE THAN 4 UNIVERSES RUNNING THROUGH THE PROP. AC ELECTRICAL CONDUIT AND PROP. DMX512 CONDUIT. SEE PLAN SHEETS FOR MORE INFORMATION.

- LEGEND**
- PROP. JUNCTION BOX
  - LUMINAIRE
  - EXIST. PIER
  - PROP. AC ELECTRICAL CONDUCTORS
  - PROP. DMX512 UNIVERSE
  - PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM SO (BASE BID)
  - SPLICE
  - PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM SO / HO QW (BID ALTERNATE)



REVISIONS		DATE	DESCRIPTION
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

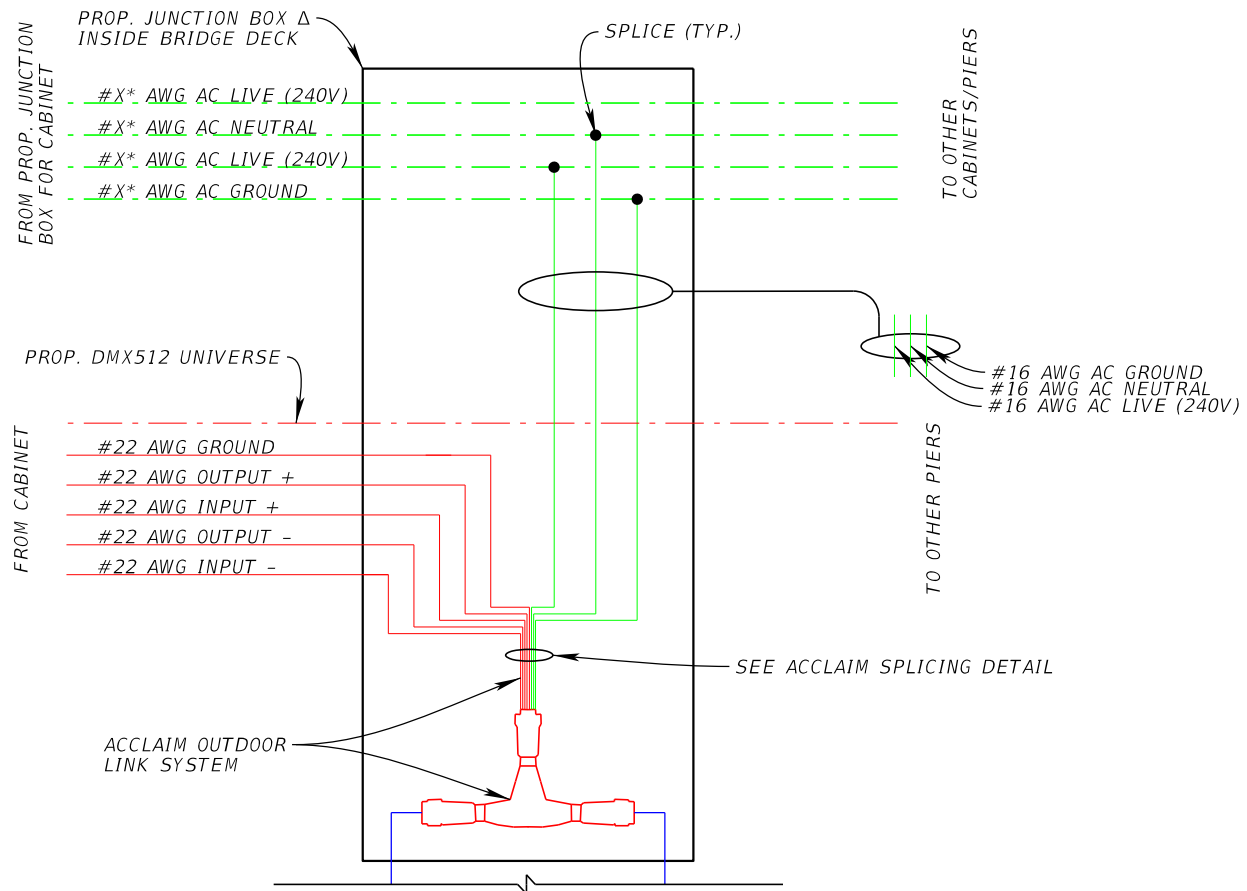
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**WIRING DETAIL  
 GENERAL LAYOUT**

SHEET NO.  
 57

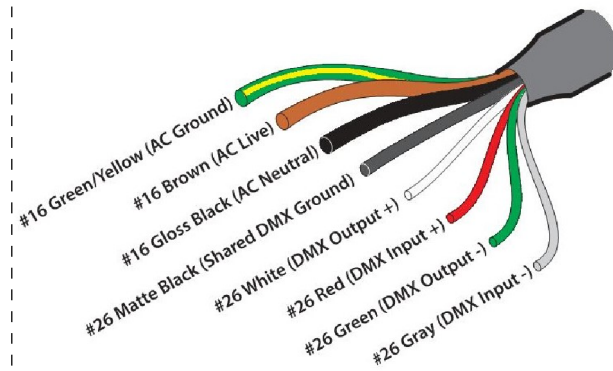
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

**PIER SPLICING DIAGRAM A**



SEE PIER SPLICING DIAGRAM B

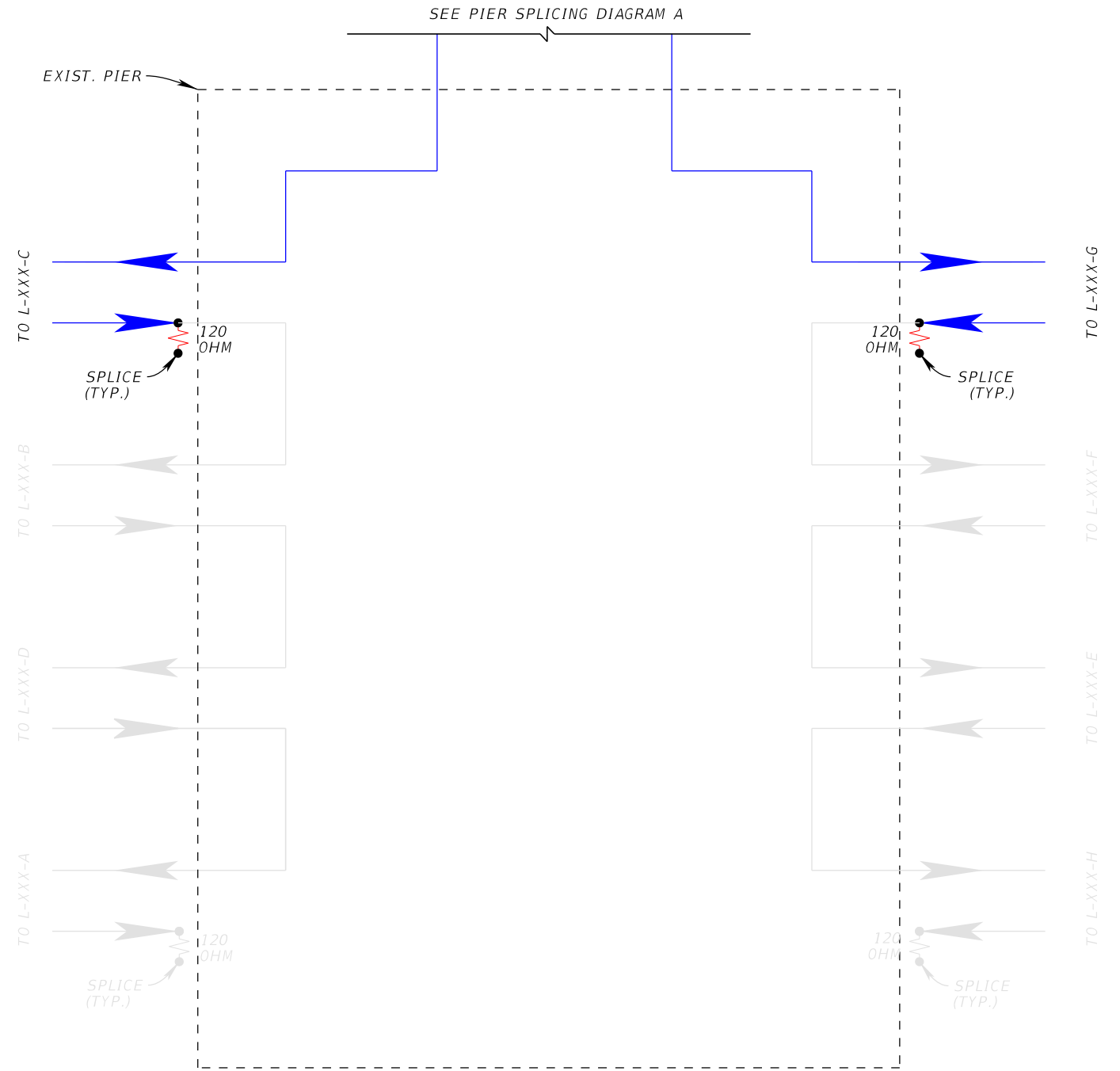
**ACCLAIM SPLICING DETAIL**



NOTE: SEE POLE DATA TABLES FOR PHASE TO PIER RELATIONSHIPS

\*SEE PLAN SHEETS FOR CIRCUIT NAMES AND SIZES OF CONDUCTORS

**PIER SPLICING DIAGRAM B**



**LEGEND**

- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM S0 (BASE BID)
- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM S0 / H0 QW (BID ALTERNATE)

**PIER**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
P.E. LICENSE NUMBER 76102  
KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236

**TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY**

ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

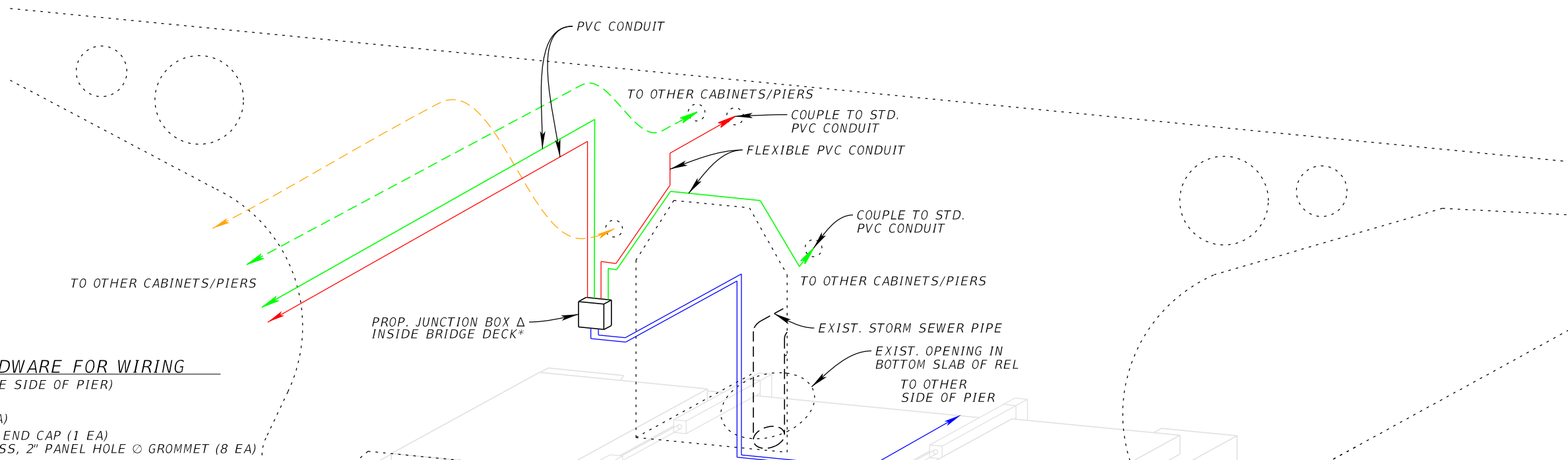
**WIRING DETAIL  
SPLICING DIAGRAM**

SHEET NO.

58

NOTE: VIEW IS LOOKING EASTWARD THROUGH BRIDGE DECK

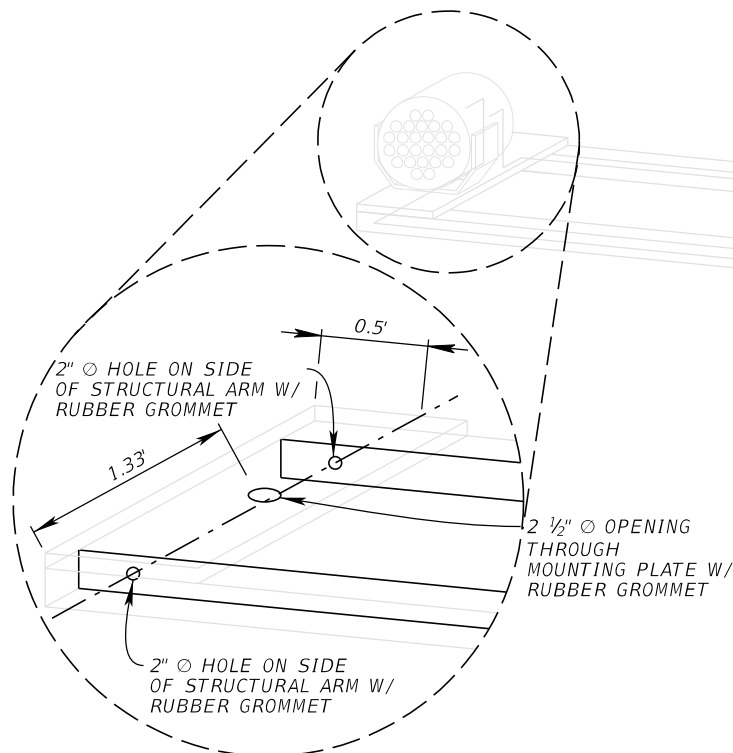
\*PROP. JUNCTION BOX INSIDE BRIDGE DECK IS 12"X12"X4" (MIN.)



**SCH. OF HARDWARE FOR WIRING**  
(FOR ONE SIDE OF PIER)

- 4" X 4" CAP PLATE (2 EA)
- 3 1/2" X 3 1/2" CAP PLATE (8 EA)
- 2" WHITE PLASTIC BLANKING END CAP (1 EA)
- 1 5/8" ID, 3/16" PANEL THICKNESS, 2" PANEL HOLE O GROMMET (8 EA)
- 1 3/4" ID, 1/4" PANEL THICKNESS, 2" PANEL HOLE O GROMMET (1 EA)
- 1 3/4" ID, 3/8" PANEL THICKNESS, 2" PANEL HOLE O GROMMET (1 EA)
- 2 1/4" ID, 3/4" PANEL THICKNESS, 2 1/2" PANEL HOLE O GROMMET (3 EA)

NOTE: COST OF HARDWARE IS INCLUDED IN PAY ITEMS 715-5-41A AND 715-5-42. HARDWARE MAY VARY FOR OTHER STRUCTURAL ARMS BUT COST IS STILL INCLUDED FOR PAY ITEMS 715-5-41B, 715-5-43, 715-5-44, AND 715-5-45.



NOTE: THESE DETAILS ARE TYPICAL FOR ALL WIRING CONFIGURATIONS THROUGH STRUCTURAL ARMS. MAXIMUM 2" O HOLES ON STRUCTURAL ARMS.

2" O HOLE W/ 1/4" THICK RUBBER GROMMET (THROUGH SIDE OF TYPE 1A ARM)

WIRE OUTDOOR LINK SYSTEM THROUGH OPEN CHANNEL OF STRUCTURAL ARM TYPE 1A

2" O HOLE W/ 3/8" THICK RUBBER GROMMET (THROUGH TYPE 1A HORIZONTAL SURFACE)

2" O HOLE W/ 3/8" THICK RUBBER GROMMET (THROUGH TOP SURFACE OF TYPE 1A ARM & BOTTOM SURFACE OF TYPE 2 ARM)

2" O HOLE W/ 2" WHITE PLASTIC BLANKING END CAP (BOTTOM SURFACE OF TYPE 1A ARM)

WIRE OUTDOOR LINK SYSTEM THROUGH OPEN CHANNEL OF STRUCTURAL ARM TYPE 2

2" O HOLES ON BOTTOM OF TYPE 2 ARM W/ RUBBER GROMMETS (CENTERED ON MOUNTING PLATE)

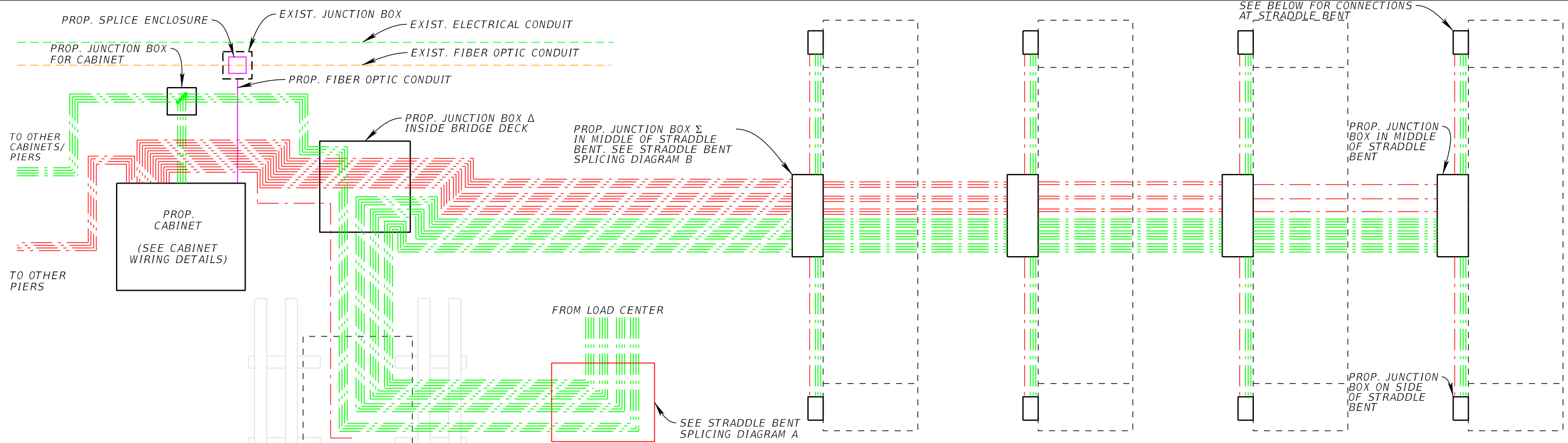
**LEGEND**

- BRIDGE DECK
- PROP. AC ELECTRICAL CONDUIT
- PROP. DMX512 CONDUIT
- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM SO / HO QW (BID ALTERNATE)
- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM SO (BASE BID)
- EXIST. FIBER OPTIC CONDUIT
- EXIST. ELECTRICAL CONDUIT

**PIER**

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>WIRING DETAIL</b> <b>STRUCTURAL ARM</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		59
						S.R. 618	HILLSBOROUGH		O-01217

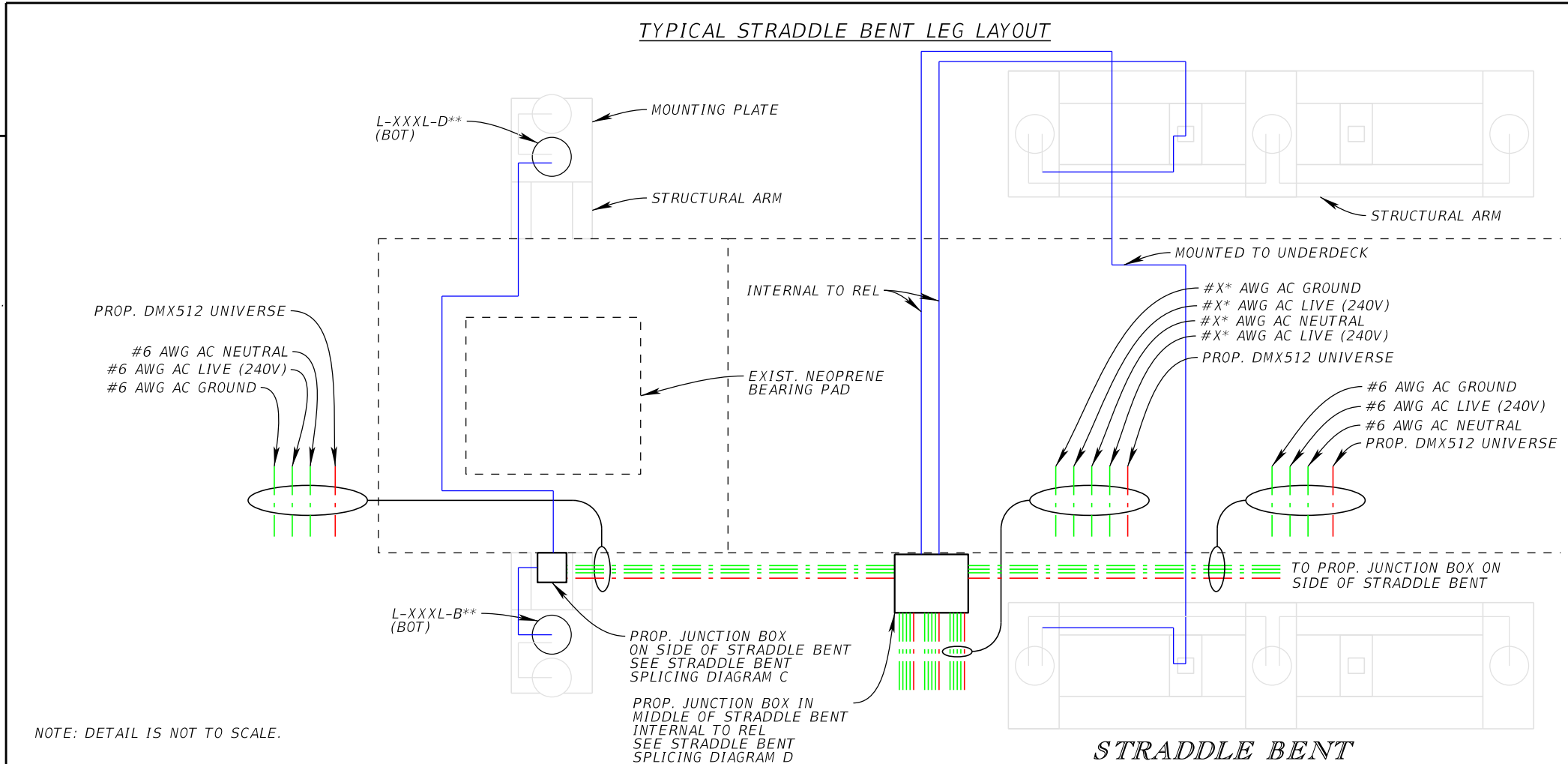
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\*SEE PLAN SHEETS FOR CIRCUIT NAMES AND SIZES OF CONDUCTORS.  
 \*\*SEE POLE DATA TABLES FOR LUMINAIRE NUMBERS.

NOTE: DETAIL ONLY SHOWS 1 CIRCUIT AND 4 DMX512 UNIVERSES RUNNING TO THE PIERS. TYPICALLY, THERE WILL BE MULTIPLE CIRCUITS AND MORE THAN 4 UNIVERSES RUNNING THROUGH THE PROP. AC ELECTRICAL CONDUIT AND PROP. DMX512 CONDUIT FOR THE PIERS. DETAIL ALSO ONLY SHOWS FOUR STRADDLE BENTS. THERE IS ONE INSTANCE WHERE THERE ARE FIVE STRADDLE BENTS WHICH WILL CHANGE THE WIRING SCHEME. THE JUNCTION BOXES IN THE MIDDLE OF THE STRADDLE BENTS ARE INTERNAL TO THE REL. SEE PLAN SHEETS FOR MORE INFORMATION.

- LEGEND**
- PROP. JUNCTION BOX
  - ▭ PROP. PULL BOX
  - LUMINAIRE
  - ⌈ ⌋ EXIST. PIER
  - ⌈ ⌋ EXIST. STRADDLE BENT
  - PROP. AC ELECTRICAL CONDUCTORS
  - PROP. DMX512 UNIVERSE
  - PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM 50 (BASE BID)
  - PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM 50 / HO QW (BID ALTERNATE)
  - SPLICE



REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

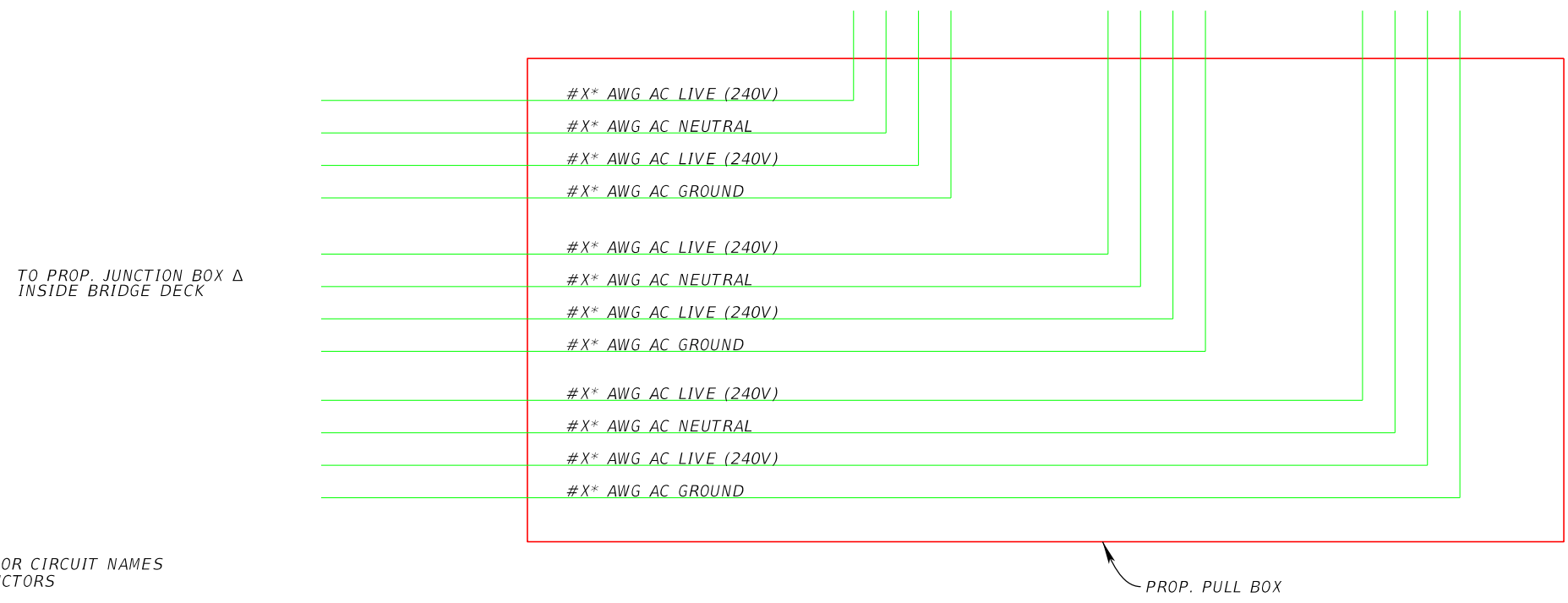
**WIRING DETAIL  
 GENERAL LAYOUT**

SHEET NO.  
 60

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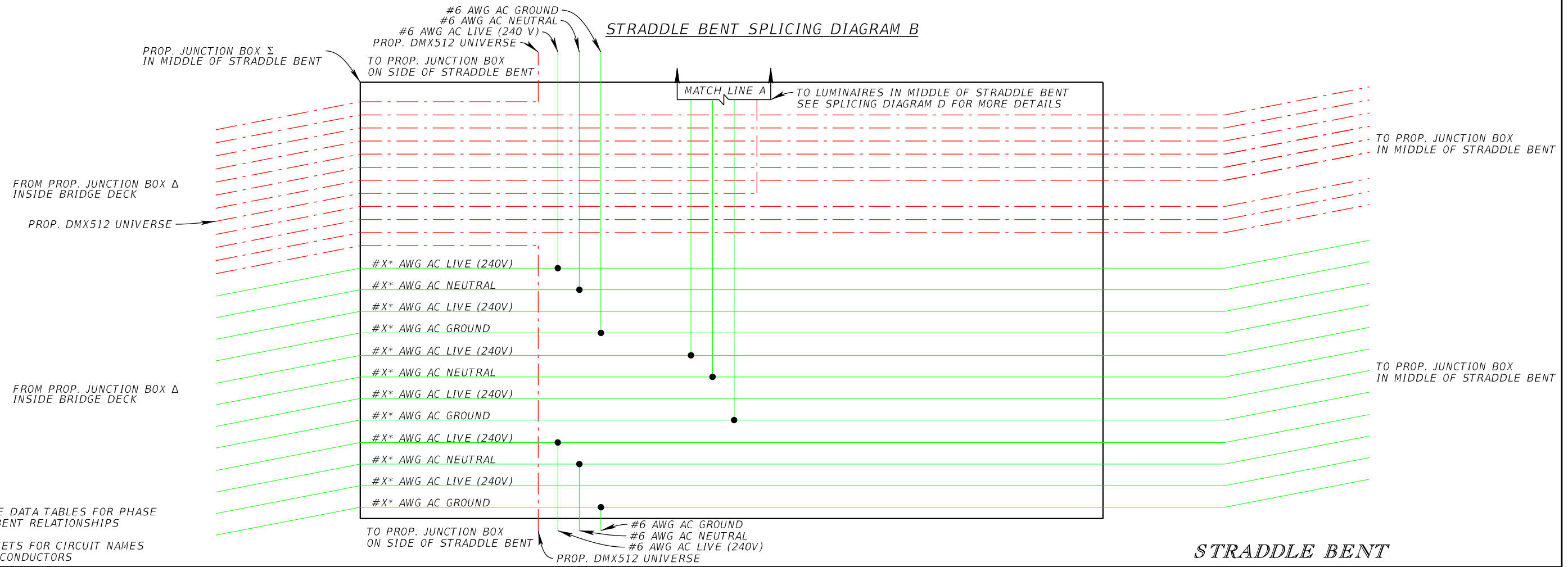
STRADDLE BENT SPLICING DIAGRAM A

FROM LOAD CENTER



\*SEE PLAN SHEETS FOR CIRCUIT NAMES AND SIZES OF CONDUCTORS

STRADDLE BENT SPLICING DIAGRAM B



NOTE: SEE POLE DATA TABLES FOR PHASE TO STRADDLE BENT RELATIONSHIPS

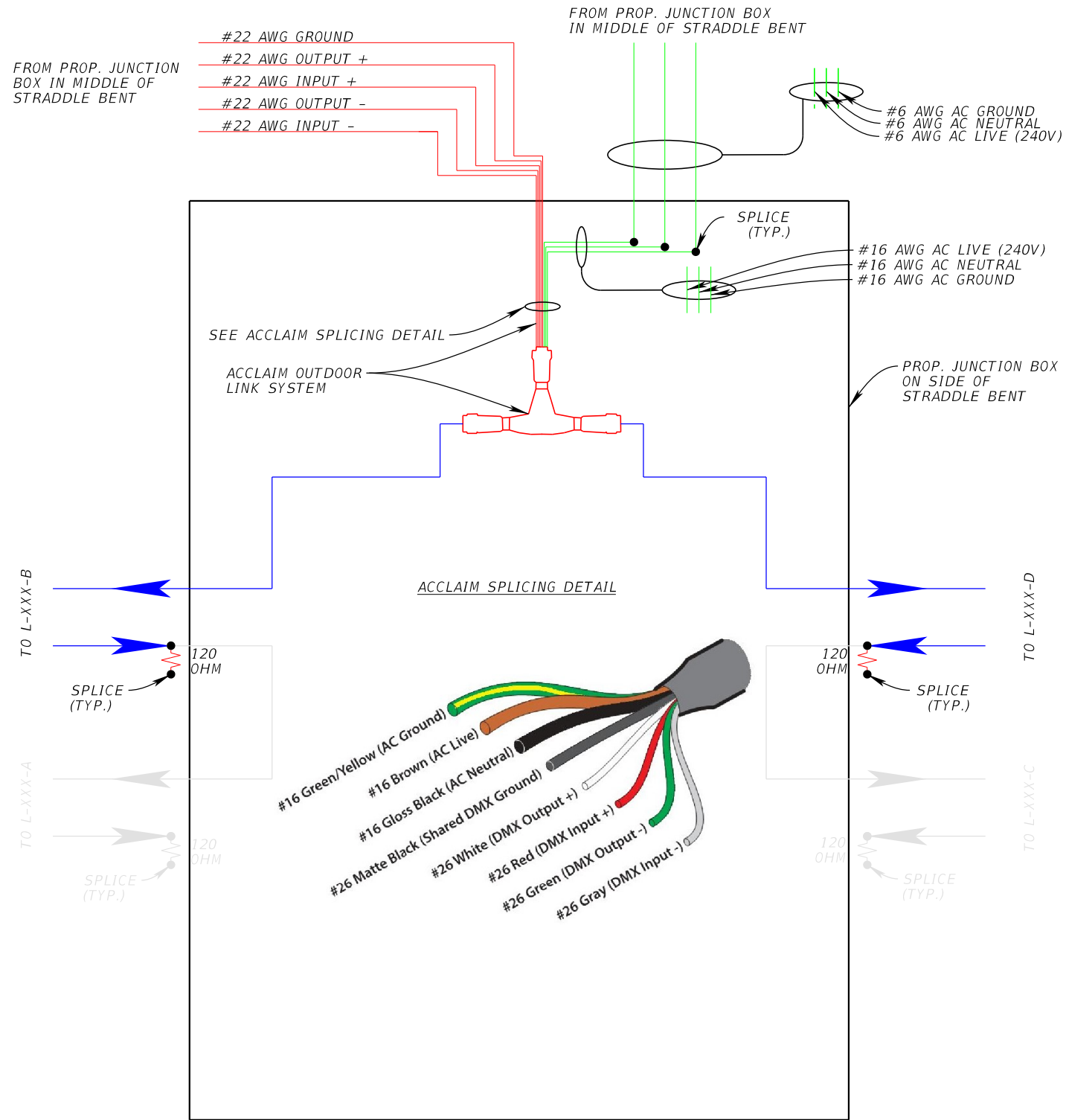
\*SEE PLAN SHEETS FOR CIRCUIT NAMES AND SIZES OF CONDUCTORS

STRADDLE BENT

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			WIRING DETAIL SPLICING DIAGRAM 1	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
						S.R. 618	HILLSBOROUGH		O-01217

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

**STRADDLE BENT SPLICING DIAGRAM C**

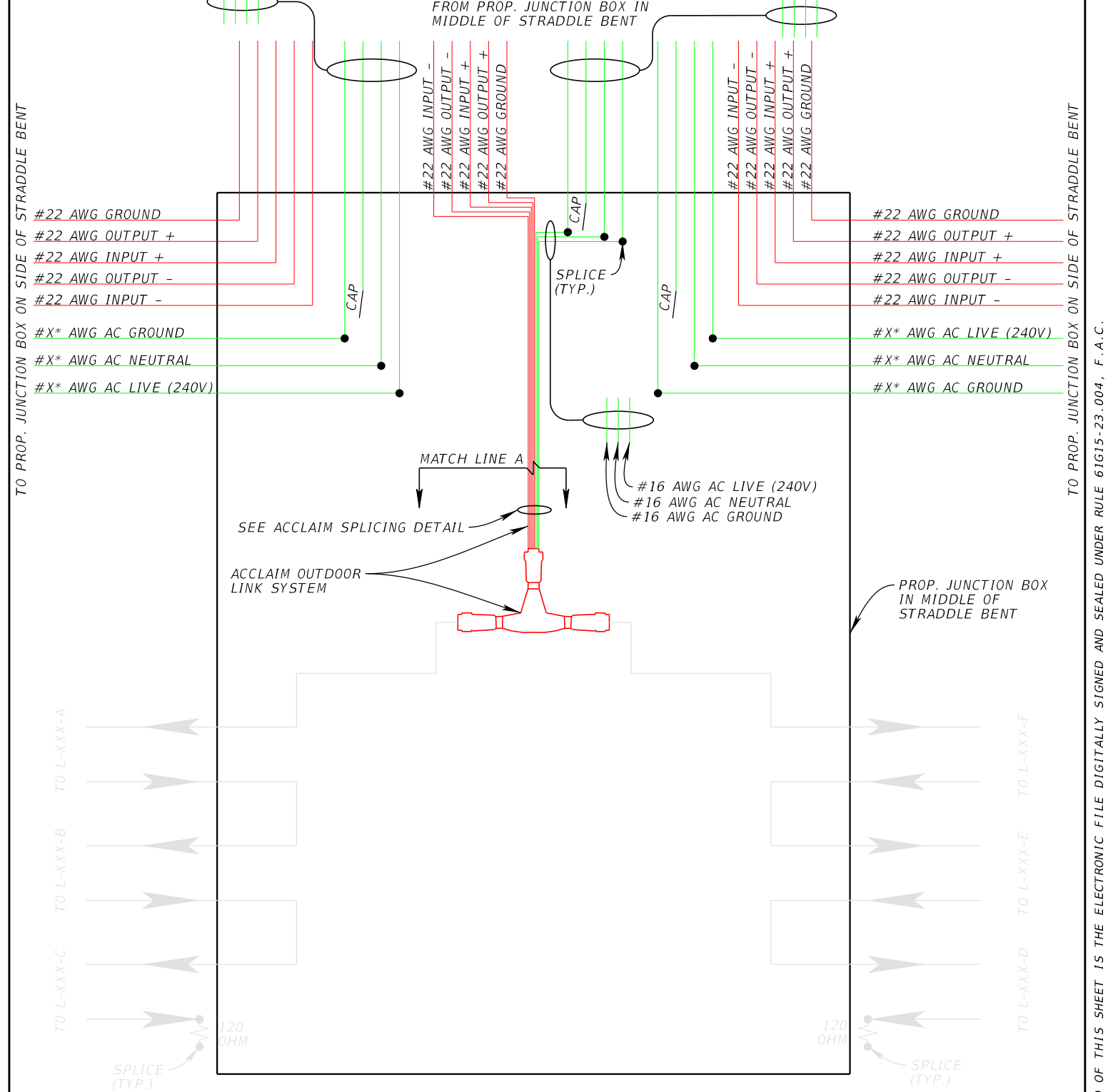


**LEGEND**

- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM S0 (BASE BID)
- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM S0 / HO QW (BID ALTERNATE)

NOTE: SEE POLE DATA TABLES FOR PHASE TO STRADDLE BENT RELATIONSHIPS

**STRADDLE BENT SPLICING DIAGRAM D**



NOTE: SEE POLE DATA TABLES FOR PHASE TO STRADDLE BENT RELATIONSHIPS. DIAGRAM D DEPICTS LAST JUNCTION BOX AT END OF CIRCUIT.

\*SEE PLAN SHEETS FOR CIRCUIT NAMES AND SIZES OF CONDUCTORS

**STRADDLE BENT**

**WIRING DETAIL  
SPLICING DIAGRAM 2**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
P.E. LICENSE NUMBER 76102  
KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236

TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

SHEET NO.

62

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

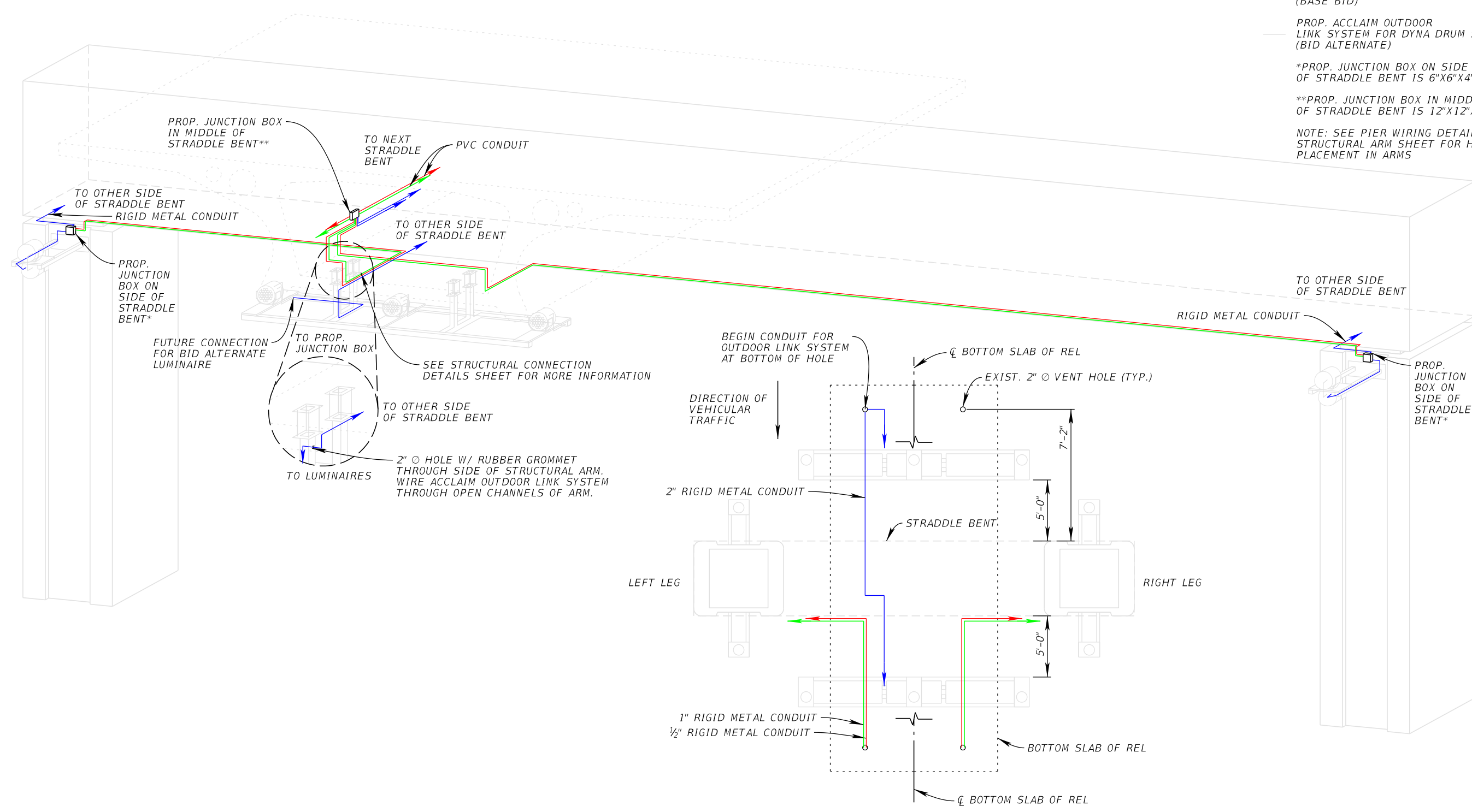
**LEGEND**

- BRIDGE DECK
- PROP. AC ELECTRICAL CONDUIT
- PROP. DMX512 CONDUIT
- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM 50 (BASE BID)
- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM 50 / HO QW (BID ALTERNATE)

\*PROP. JUNCTION BOX ON SIDE OF STRADDLE BENT IS 6"X6"X4" (MIN.)

\*\*PROP. JUNCTION BOX IN MIDDLE OF STRADDLE BENT IS 12"X12"X4" (MIN.)

NOTE: SEE PIER WIRING DETAIL STRUCTURAL ARM SHEET FOR HOLE PLACEMENT IN ARMS



**STRADDLE BENT**

**WIRING DETAIL  
STRUCTURAL ARM**

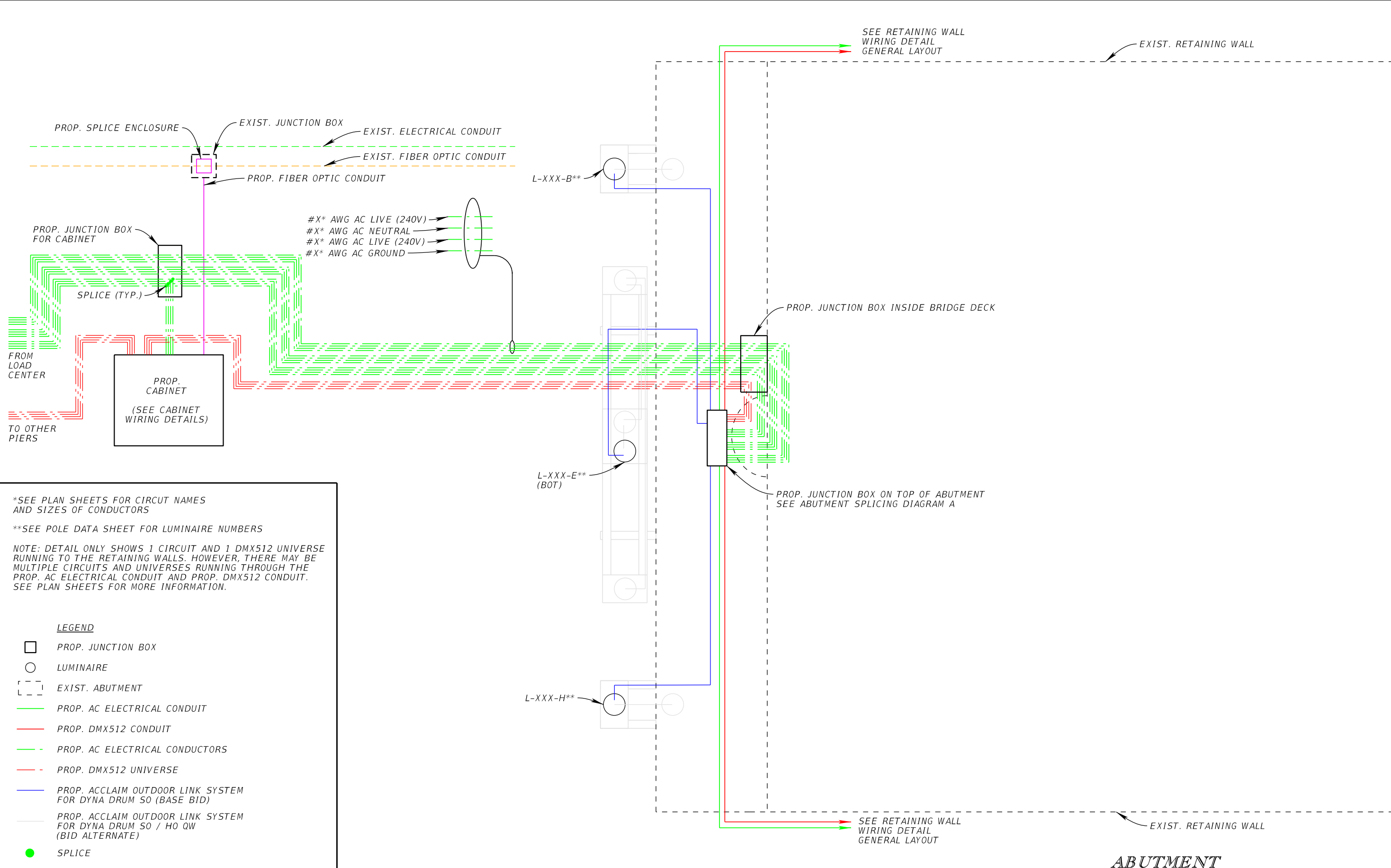
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
P.E. LICENSE NUMBER 76102  
KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236

<b>TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY</b>		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

SHEET NO.
63

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



\*SEE PLAN SHEETS FOR CIRCUIT NAMES AND SIZES OF CONDUCTORS

\*\*SEE POLE DATA SHEET FOR LUMINAIRE NUMBERS

NOTE: DETAIL ONLY SHOWS 1 CIRCUIT AND 1 DMX512 UNIVERSE RUNNING TO THE RETAINING WALLS. HOWEVER, THERE MAY BE MULTIPLE CIRCUITS AND UNIVERSES RUNNING THROUGH THE PROP. AC ELECTRICAL CONDUIT AND PROP. DMX512 CONDUIT. SEE PLAN SHEETS FOR MORE INFORMATION.

- LEGEND**
- PROP. JUNCTION BOX
  - LUMINAIRE
  - EXIST. ABUTMENT
  - PROP. AC ELECTRICAL CONDUIT
  - PROP. DMX512 CONDUIT
  - PROP. AC ELECTRICAL CONDUCTORS
  - PROP. DMX512 UNIVERSE
  - PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM SO (BASE BID)
  - PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM SO / HO QW (BID ALTERNATE)
  - SPLICE

**ABUTMENT**

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

<b>TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY</b>		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

<b>WIRING DETAIL GENERAL LAYOUT</b>	SHEET NO. <b>64</b>
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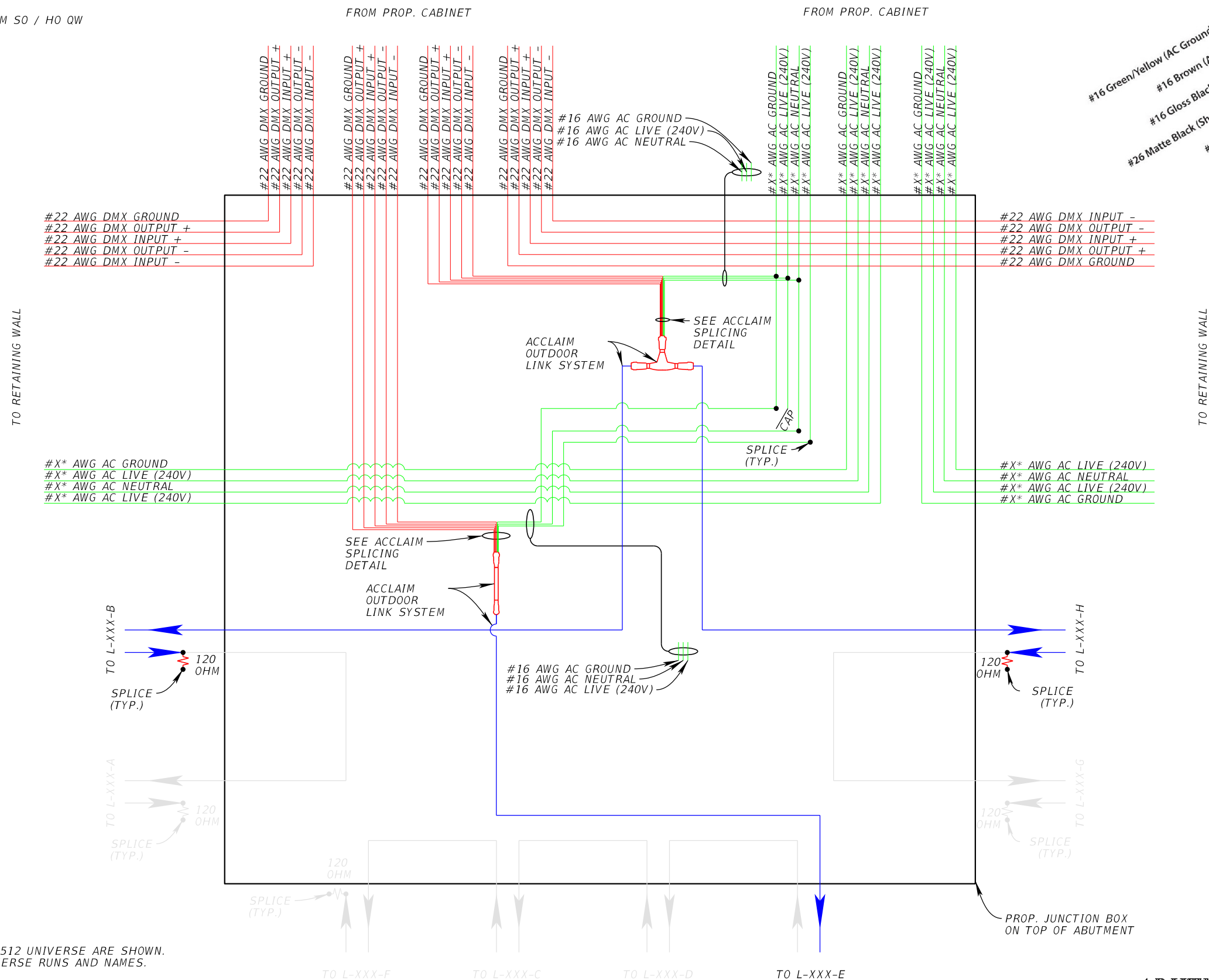
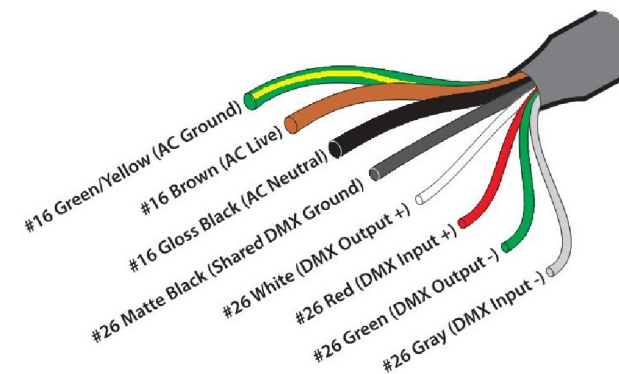
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

**LEGEND**

- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM 50 (BASE BID)
- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM 50 / HO QW (BID ALTERNATE)

**ABUTMENT SPLICING DIAGRAM A**

**ACCLAIM SPLICING DETAIL**



NOTE: THE MAXIMUM AMOUNT OF DMX512 UNIVERSE ARE SHOWN. SEE PLAN SHEETS FOR DMX512 UNIVERSE RUNS AND NAMES.

\*SEE PLAN SHEETS FOR CIRCUIT NAMES AND SIZES OF CONDUCTORS

**ABUTMENT**

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			SHEET NO.  <b>65</b>
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R. 618	HILLSBOROUGH	O-01217	

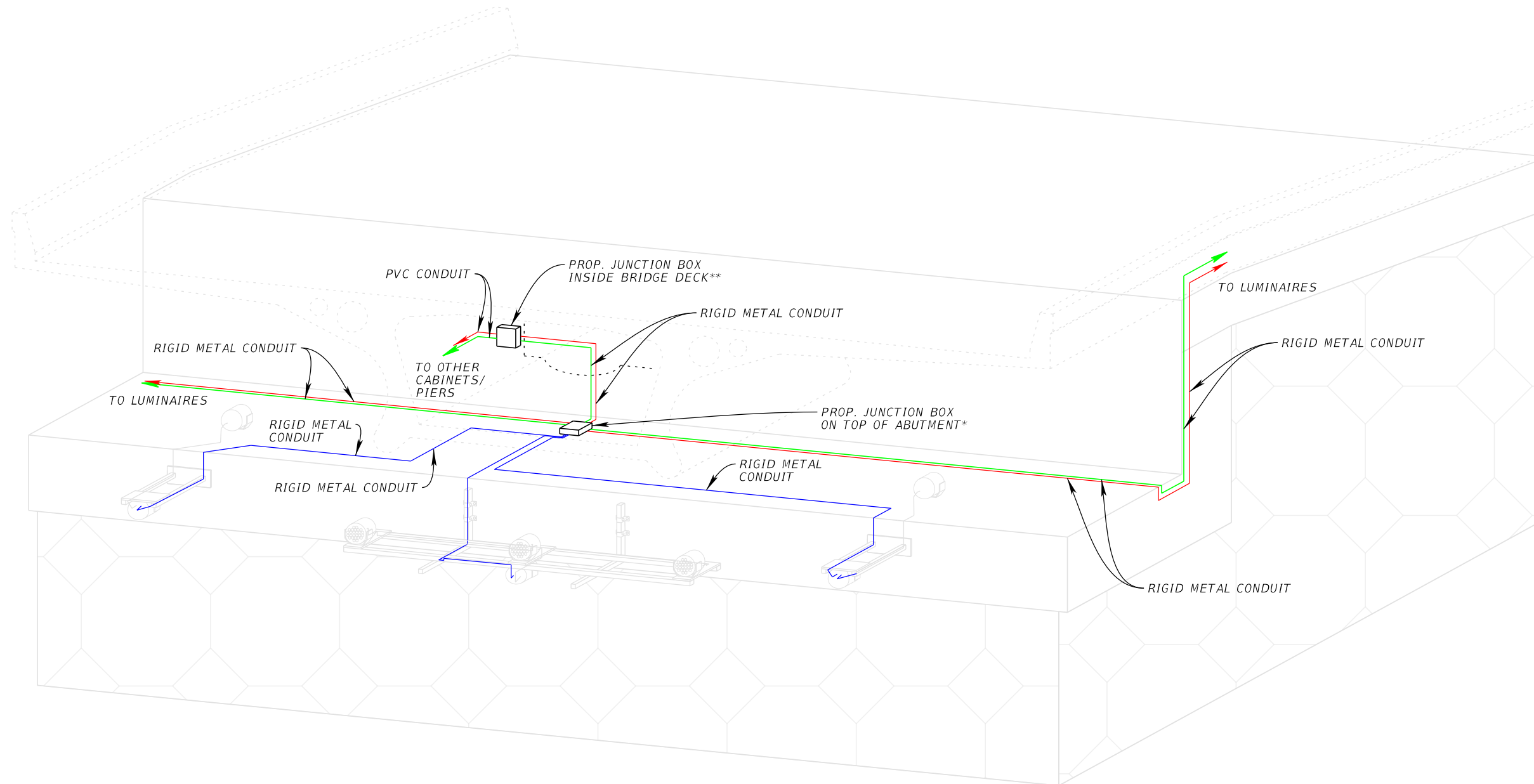
**WIRING DETAIL  
SPLICING DIAGRAM**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

NOTE: SEE PIER WIRING DETAIL  
STRUCTURAL ARM SHEET FOR  
HOLE PLACEMENT IN ARMS

\*PROP. JUNCTION BOX ON TOP  
OF ABUTMENT IS 12"X12"X4" (MIN.)

\*\*PROP. JUNCTION BOX INSIDE  
BRIDGE DECK IS 6"X6"X4" (MIN.)

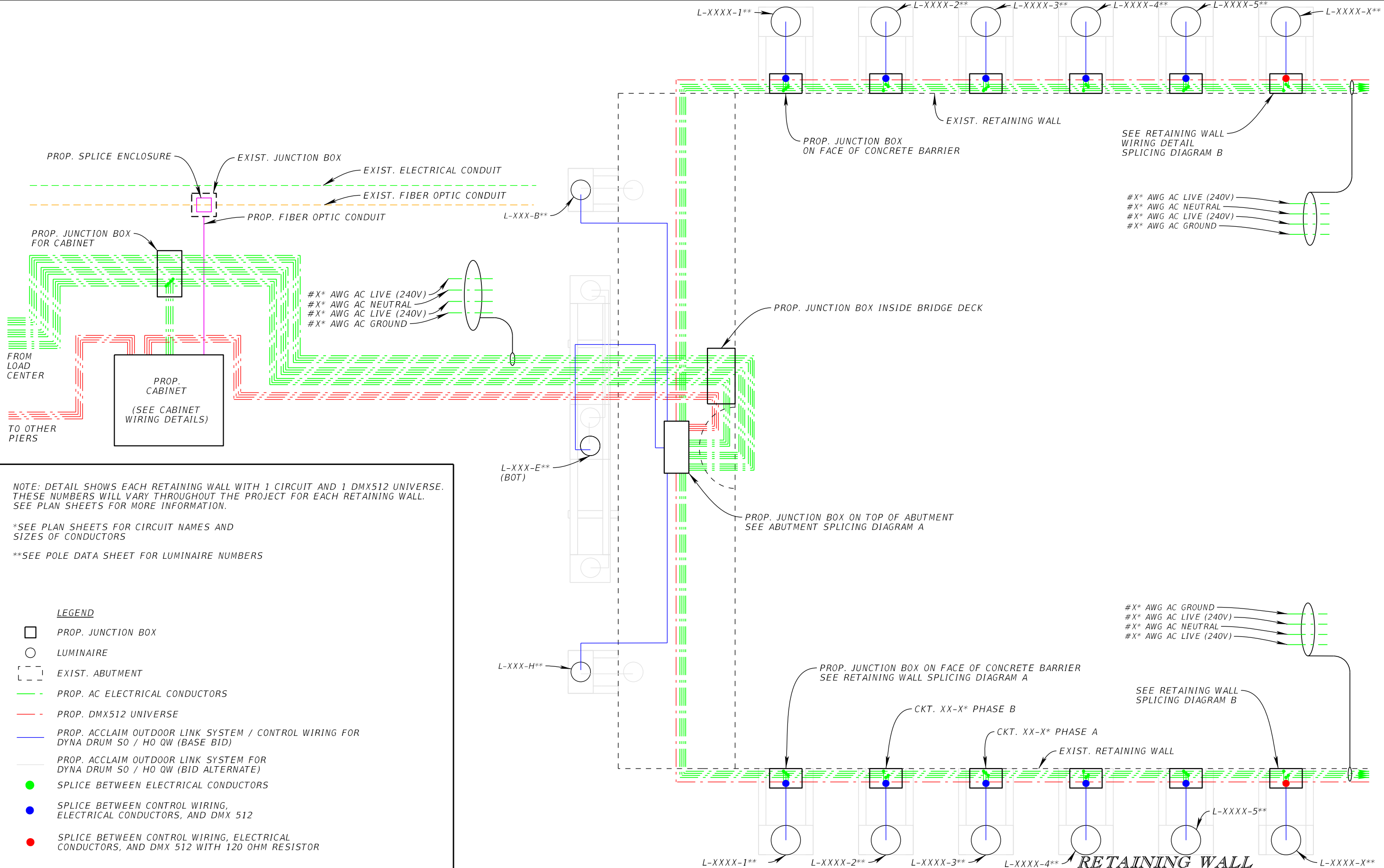


**LEGEND**

- BRIDGE DECK
- PROP. AC ELECTRICAL CONDUIT
- PROP. DMX512 CONDUIT
- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM SO (BASE BID)
- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM SO / HO QW (BID ALTERNATE)

**ABUTMENT**

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>WIRING DETAIL STRUCTURAL ARM</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		66
						S.R. 618	HILLSBOROUGH		O-01217



NOTE: DETAIL SHOWS EACH RETAINING WALL WITH 1 CIRCUIT AND 1 DMX512 UNIVERSE. THESE NUMBERS WILL VARY THROUGHOUT THE PROJECT FOR EACH RETAINING WALL. SEE PLAN SHEETS FOR MORE INFORMATION.

\*SEE PLAN SHEETS FOR CIRCUIT NAMES AND SIZES OF CONDUCTORS  
 \*\*SEE POLE DATA SHEET FOR LUMINAIRE NUMBERS

**LEGEND**

- PROP. JUNCTION BOX
- LUMINAIRE
- - - EXIST. ABUTMENT
- PROP. AC ELECTRICAL CONDUCTORS
- - - PROP. DMX512 UNIVERSE
- PROP. ACCLAIM OUTDOOR LINK SYSTEM / CONTROL WIRING FOR DYNA DRUM 50 / HO QW (BASE BID)
- PROP. ACCLAIM OUTDOOR LINK SYSTEM FOR DYNA DRUM 50 / HO QW (BID ALTERNATE)
- SPLICE BETWEEN ELECTRICAL CONDUCTORS
- SPLICE BETWEEN CONTROL WIRING, ELECTRICAL CONDUCTORS, AND DMX 512
- SPLICE BETWEEN CONTROL WIRING, ELECTRICAL CONDUCTORS, AND DMX 512 WITH 120 OHM RESISTOR

JORDAN E. LEEP, P.E.  
 P.E. LICENSE NUMBER 76102  
 KIMLEY-HORN AND ASSOCIATES, INC.  
 1777 MAIN STREET, SUITE 200  
 SARASOTA, FL 34236

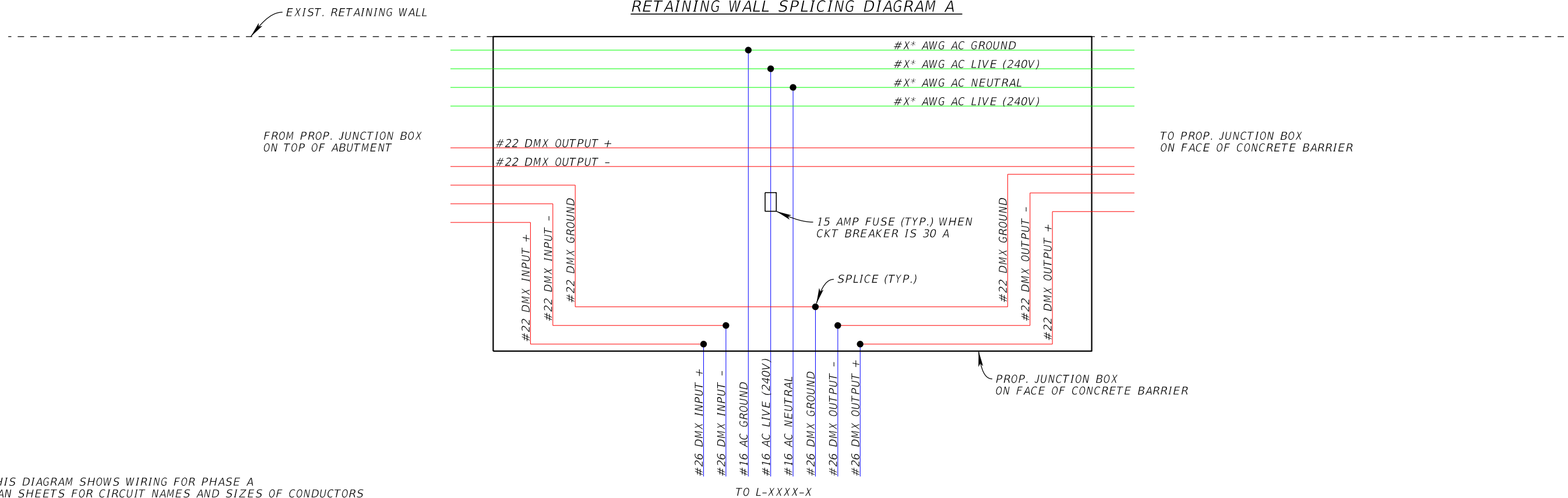
TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY		
ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

**WIRING DETAIL  
 GENERAL LAYOUT**

SHEET NO.  
 67

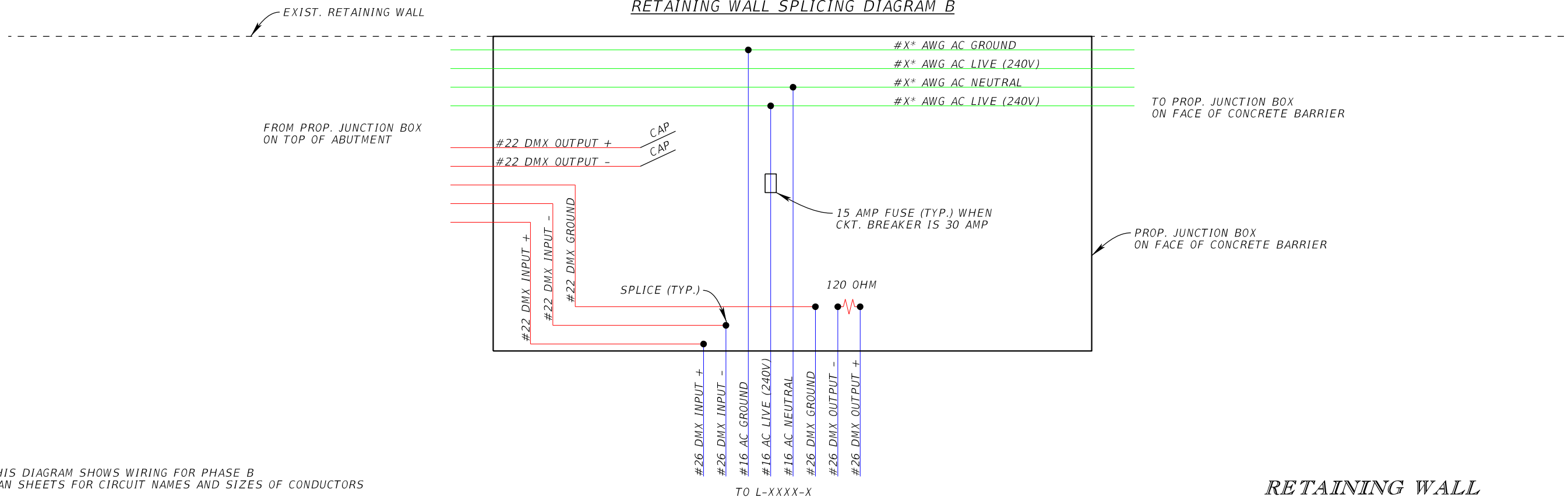
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

RETAINING WALL SPLICING DIAGRAM A



NOTE: THIS DIAGRAM SHOWS WIRING FOR PHASE A  
\*SEE PLAN SHEETS FOR CIRCUIT NAMES AND SIZES OF CONDUCTORS

RETAINING WALL SPLICING DIAGRAM B



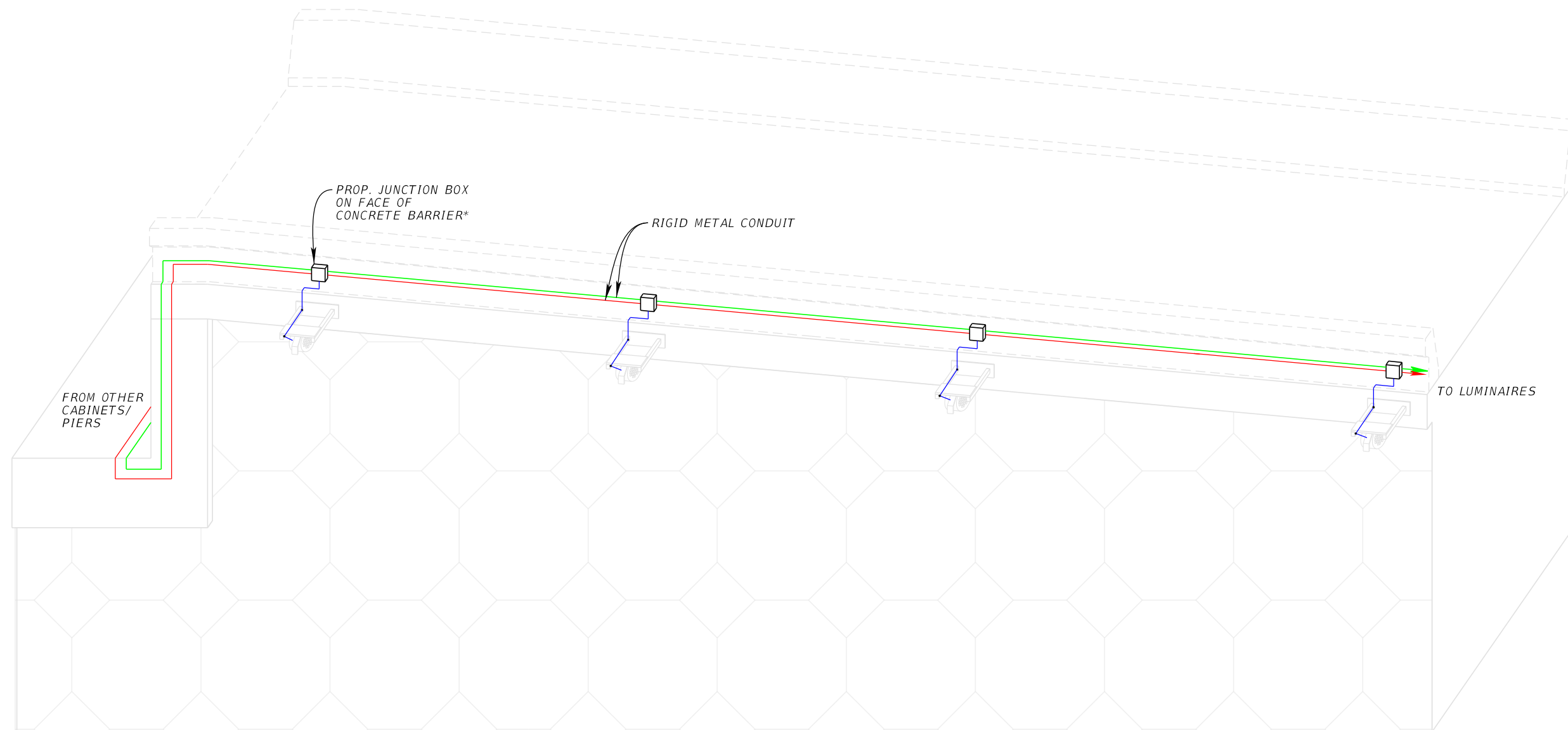
NOTE: THIS DIAGRAM SHOWS WIRING FOR PHASE B  
\*SEE PLAN SHEETS FOR CIRCUIT NAMES AND SIZES OF CONDUCTORS

RETAINING WALL

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			SHEET NO.  WIRING DETAIL SPLICING DIAGRAM  68
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R. 618	HILLSBOROUGH	O-01217	

NOTE: SEE PIER WIRING DETAIL  
 STRUCTURAL ARM SHEET FOR  
 HOLE PLACEMENT IN ARMS

\*PROP JUNCTION BOX ON FACE OF  
 CONCRETE BARRIER IS 12"X12"X4" (MIN.)



**LEGEND**

- BRIDGE DECK
- PROP. AC ELECTRICAL CONDUIT
- PROP. DMX512 CONDUIT
- PROP. CONTROL WIRING FOR  
DYNA DRUM SO / HO QW

**RETAINING WALL**

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>WIRING DETAIL          STRUCTURAL ARM</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		69
					S.R. 618	HILLSBOROUGH	O-01217		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PROPOSED LOAD CENTER AA  
240/480V, DUAL PHASE, 3 WIRE + GROUND  
STA. 120+41.36, 25.28' LT. (Ⓢ SURVEY SELMON)

LOAD CENTER DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	# OF BRANCH CIRCUITS	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	# SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT SIZE
AA	150 A, 2P	6	66.8	83.6	# 1/0 AWG
AA-1	30 A, 2P		20.3	25.4	# 6 AWG
AA-2	30 A, 2P		13.6	17.0	# 4 AWG
AA-3	20 A, 2P		8.3	10.4	# 6 AWG
AA-4	20 A, 2P		6.8	8.5	# 6 AWG
AA-5	20 A, 2P		6.8	8.5	# 6 AWG
AA-6	20 A, 2P		11.0	13.8	# 6 AWG

PROPOSED LOAD CENTER BB  
240/480V, DUAL PHASE, 3 WIRE + GROUND  
STA. 141+98.65, 104.83' RT. (Ⓢ SURVEY SELMON)

LOAD CENTER DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	# OF BRANCH CIRCUITS	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	# SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT SIZE
BB	150 A, 2P	6	95.1	118.9	# 1/0 AWG
BB-1	20 A, 2P		13.6	17.0	# 6 AWG
BB-2	30 A, 2P		20.3	25.4	# 2 AWG
BB-3	20 A, 2P		13.6	17.0	# 2 AWG
BB-4	20 A, 2P		13.6	17.0	# 6 AWG
BB-5	30 A, 2P		20.4	25.5	# 2 AWG
BB-6	20 A, 2P		13.6	17.0	# 2 AWG

PROPOSED LOAD CENTER CC  
240/480V, DUAL PHASE, 3 WIRE + GROUND  
STA. 168+76.17, 190.12' RT. (Ⓢ SURVEY SELMON)

LOAD CENTER DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	# OF BRANCH CIRCUITS	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	# SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT SIZE
CC	150 A, 2P	5	72.9	91.1	# 1/0 AWG
CC-1	30 A, 2P		20.4	25.5	# 4 AWG
CC-2	30 A, 2P		13.6	17.0	# 4 AWG
CC-3	30 A, 2P		13.6	17.0	# 6 AWG
CC-4	30 A, 2P		18.0	22.5	# 4 AWG
CC-5	20 A, 2P		7.3	9.1	# 6 AWG

PROPOSED LOAD CENTER DD  
240/480V, DUAL PHASE, 3 WIRE + GROUND  
STA. 209+43.47, 142.42' LT. (Ⓢ SURVEY SELMON)

LOAD CENTER DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	# OF BRANCH CIRCUITS	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	# SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT SIZE
DD	50 A, 2P	2	33.8	42.3	# 4 AWG
DD-1	20 A, 2P		13.0	16.3	# 6 AWG
DD-2	30 A, 2P		20.8	26.0	# 4 AWG

PROPOSED LOAD CENTER EE  
240/480V, DUAL PHASE, 3 WIRE + GROUND  
STA. 218+76.06, 98.99' LT. (Ⓢ SURVEY SELMON)

LOAD CENTER DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	# OF BRANCH CIRCUITS	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	# SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT SIZE
EE	100 A, 2P	3	45.2	56.5	# 4 AWG
EE-1	20 A, 2P		11.2	14.0	# 6 AWG
EE-2	30 A, 2P		20.4	25.5	# 4 AWG
EE-3	30 A, 2P		13.6	17.0	# 4 AWG

PROPOSED LOAD CENTER FF  
240/480V, DUAL PHASE, 3 WIRE + GROUND  
STA. 239+90.73, 89.57' LT. (Ⓢ SURVEY SELMON)

LOAD CENTER DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	# OF BRANCH CIRCUITS	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	# SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT SIZE
FF	150 A, 2P	4	61.0	76.3	# 1 AWG
FF-1	30 A, 2P		20.3	25.4	# 6 AWG
FF-2	20 A, 2P		6.8	8.5	# 6 AWG
FF-3	30 A, 2P		13.6	17.0	# 6 AWG
FF-4	30 A, 2P		20.3	25.4	# 2 AWG

PROPOSED LOAD CENTER GG  
240/480V, DUAL PHASE, 3 WIRE + GROUND  
STA. 266+27.25, 100.53' RT. (Ⓢ SURVEY SELMON)

LOAD CENTER DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	# OF BRANCH CIRCUITS	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	# SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT SIZE
GG	200 A, 2P	6	95.2	119.0	# 3/0 AWG
GG-1	30 A, 2P		20.4	25.5	# 6 AWG
GG-2	30 A, 2P		13.6	17.0	# 4 AWG
GG-3	30 A, 2P		13.6	17.0	# 2 AWG
GG-4	30 A, 2P		13.6	17.0	# 6 AWG
GG-5	30 A, 2P		20.4	25.5	# 2 AWG
GG-6	30 A, 2P		13.6	17.0	# 2 AWG

PROPOSED LOAD CENTER HH  
240/480V, DUAL PHASE, 3 WIRE + GROUND  
STA. 292+25.17, 73.82' RT. (Ⓢ SURVEY SELMON)

LOAD CENTER DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	# OF BRANCH CIRCUITS	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	# SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT SIZE
HH	150 A, 2P	5	68.0	85.0	# 1 AWG
HH-1	30 A, 2P		13.6	17.0	# 6 AWG
HH-2	20 A, 2P		13.6	17.0	# 4 AWG
HH-3	30 A, 2P		20.4	25.5	# 4 AWG
HH-4	20 A, 2P		13.6	17.0	# 4 AWG
HH-5	20 A, 2P		6.8	8.5	# 4 AWG

PROPOSED LOAD CENTER II  
240/480V, DUAL PHASE, 3 WIRE + GROUND  
STA. 320+21.81, 86.59' LT. (Ⓢ SURVEY SELMON)

LOAD CENTER DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	# OF BRANCH CIRCUITS	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	# SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT SIZE
II	200 A, 2P	6	95.2	119.0	# 3/0 AWG
II-1	30 A, 2P		13.6	17.0	# 6 AWG
II-2	30 A, 2P		13.6	17.0	# 4 AWG
II-3	20 A, 2P		13.6	17.0	# 2 AWG
II-4	40 A, 2P		24.5	30.6	# 4 AWG
II-5	20 A, 2P		10.2	12.8	# 6 AWG
II-6	20 A, 2P		10.2	12.8	# 6 AWG

PROPOSED LOAD CENTER JJ  
240/480V, DUAL PHASE, 3 WIRE + GROUND  
STA. 345+97.30, 41.60' LT. (Ⓢ SURVEY SELMON)

LOAD CENTER DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	# OF BRANCH CIRCUITS	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	# SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT SIZE
JJ	200 A, 2P	7	95.2	119.0	# 3/0 AWG
JJ-1	30 A, 2P		20.3	25.4	# 6 AWG
JJ-2	30 A, 2P		13.6	17.0	# 4 AWG
JJ-3	30 A, 2P		13.6	17.0	# 2 AWG
JJ-4	20 A, 2P		6.8	8.5	# 6 AWG
JJ-5	20 A, 2P		6.8	8.5	# 6 AWG
JJ-6	30 A, 2P		17.7	22.1	# 6 AWG
JJ-7	30 A, 2P		20.4	25.5	# 2 AWG

PROPOSED LOAD CENTER KK  
240/480V, DUAL PHASE, 3 WIRE + GROUND  
STA. 373+98.67, 124.54' RT. (Ⓢ SURVEY SELMON)

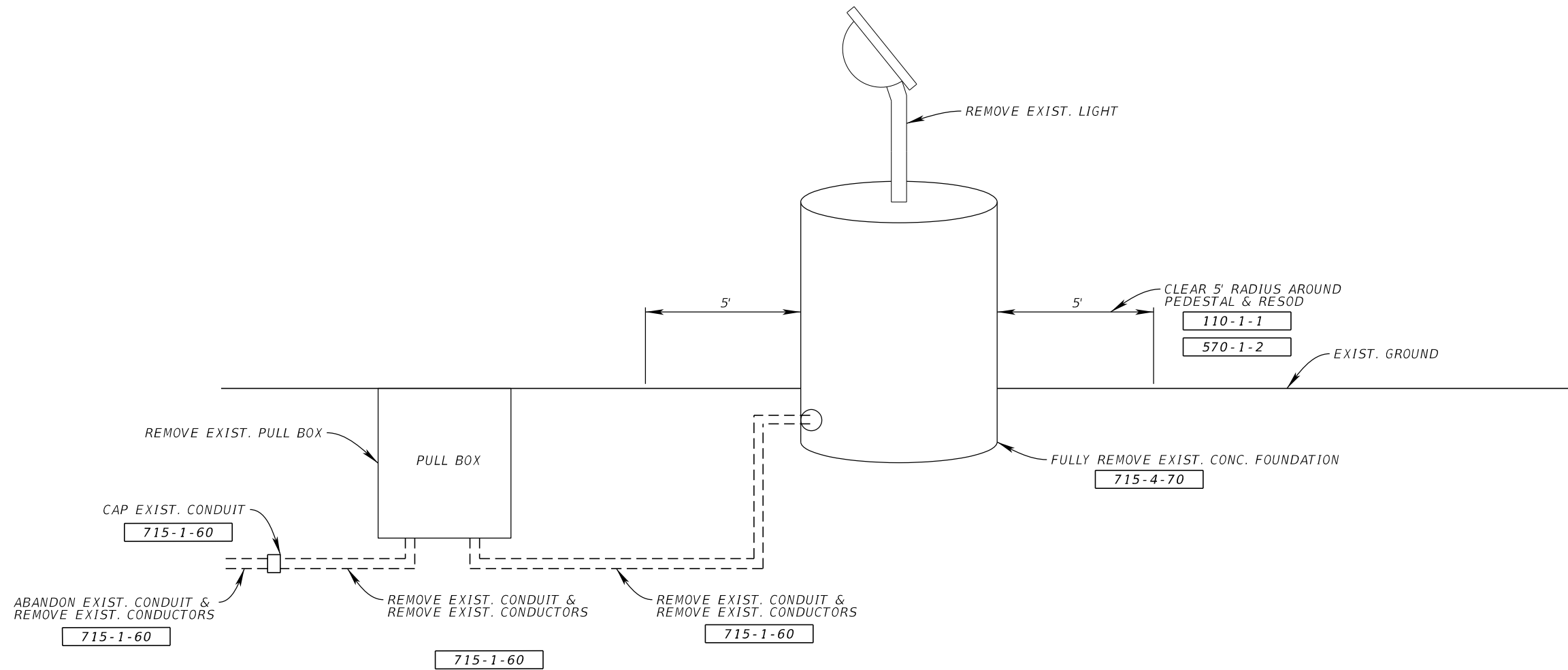
LOAD CENTER DESIGNATION	MAIN & CIRCUIT BREAKER SIZES	# OF BRANCH CIRCUITS	TOTAL DEMAND LOAD (AMPS)	TOTAL DESIGN LOAD (AMPS)	# SERVICE ENTRANCE CONDUCTORS & CONDUIT AND BRANCH CIRCUIT SIZE
KK	150 A, 2P	8	111.0	138.9	# 4/0 AWG
KK-1	30 A, 2P		13.6	17.0	# 6 AWG
KK-2	30 A, 2P		13.6	17.0	# 4 AWG
KK-3	20 A, 2P		13.5	16.9	# 4 AWG
KK-4	30 A, 2P		20.3	25.4	# 6 AWG
KK-5	20 A, 2P		13.6	17.0	# 4 AWG
KK-6	20 A, 2P		9.4	11.8	# 4 AWG
KK-7	20 A, 2P		13.5	16.9	# 2 AWG
KK-8	20 A, 2P		13.5	16.9	# 2 AWG

NOTE: CIRCUIT TOTAL DESIGN LOADS DO NOT INCLUDE LOADS FROM ACCLAIM OUTDOOR LINK SYSTEM. SEE LIGHTING DESIGN ANALYSIS REPORT FOR MORE INFORMATION.

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			SHEET NO.  70
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.	
					S.R. 618	HILLSBOROUGH	O-01217	

**SERVICE POINT DETAILS**

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EXIST. LUMINAIRE SIDE ELEVATION VIEW

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			<b>REMOVAL OF EXISTING LUMINAIRE DETAIL</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		71
					S.R. 618	HILLSBOROUGH	O-01217		

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

**GENERAL NOTES**

TYPICAL A APPLIES TO THE MAJORITY OF TRAFFIC CONTROL APPROACHES. OPPOSING LANES AND MEDIANS CAN BE UTILIZED WHERE NECESSARY TO ACCESS STRADDLE BENT COLUMNS OFFSET FROM THE ROADWAY. SEE INDEX 102-005 AND MUTCD SECTION 6G.09.

THE FOLLOWING APPLIES TO TYPICAL A:

INSIDE LANE CLOSURES (ONE DIRECTION) AS ALLOWED PER HOURS BELOW:

- 7PM TO 5AM (MON-FRI) ONLY
- 9AM TO 3:30PM (MON-FRI) ONLY
- 7AM (SAT) THROUGH 5AM (MON) ONLY

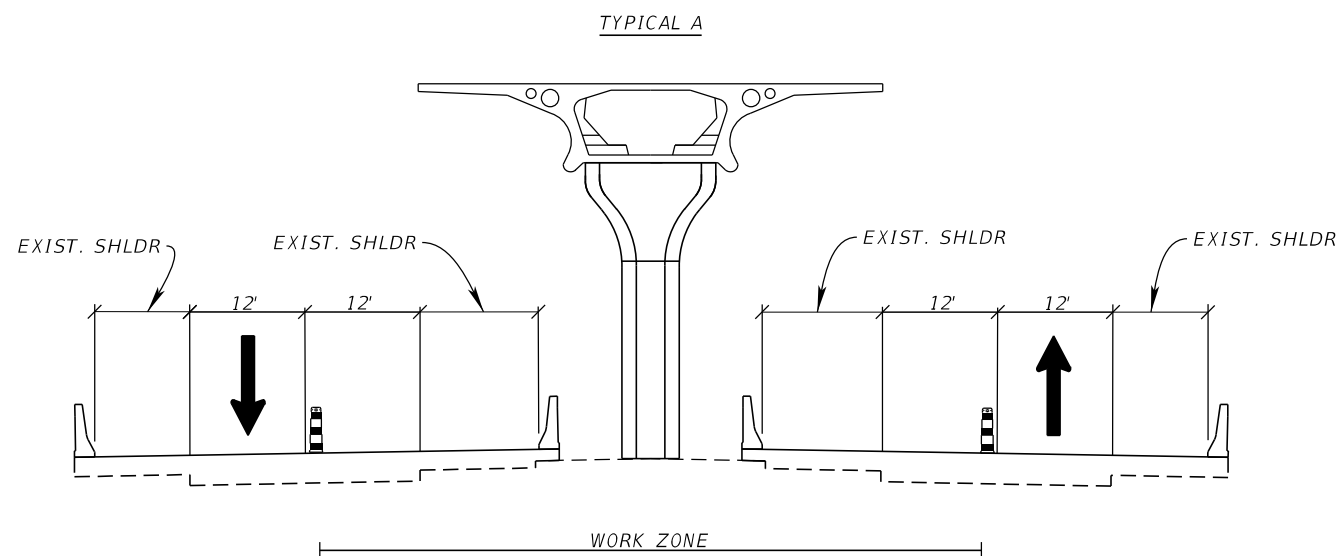
SINGLE LANE CLOSURE RESTRICTIONS:

NO CLOSURES DURING ALL EVENTS AT AMALIE ARENA OR TAMPA CONVENTION CENTER W/ ANTICIPATED ATTENDANCE OF 10,000 OR MORE.

NO CLOSURES FOR EASTBOUND TRAFFIC ONE HOUR FOLLOWING MAJOR EVENTS DESCRIBED ABOVE.

**TYPICAL A**

1. PLACE ADVANCE TRAFFIC CONTROL SIGNS AND TRAFFIC CONTROL DEVICES AS SHOWN IN THE TRAFFIC CONTROL PLAN ADVANCE WARNING LAYOUT AND INDEX 102-010, 102-045.
2. PLACE CHANNELIZING DEVICES AND SIGNING, AND SHIFT TRAFFIC TO OUTSIDE LANE SO INSIDE LANE CAN BE UTILIZED FOR CONSTRUCTION. NIGHT TIME INSIDE LANE CLOSURE ALLOWED WHEN NECESSARY IN ACCORDANCE WITH LANE CLOSURE RESTRICTIONS.
3. CONSTRUCT STRUCTURE BRACKETS, PULL BOXES, CONDUIT, JUNCTION BOXES, LUMINAIRES, LOAD CENTERS, AND PERFORM REMOVAL AND RESTORATION OPERATIONS PER PLANS.
4. REFER TO REL HATCH ACCESS POINTS TABLE FOR ACCESS LOCATIONS INTO THE SEGMENTAL BOX GIRDER.



REL HATCH ACCESS POINT TABLE			
ACCESS POINT NUMBER	STATION (APPROX.)	PIER	SIDE OF PIER
1	110+80.0	172	WEST
2	113+43.0	171	EAST
3	117+11.6	168	WEST
4	119+24.1	166	WEST
5	127+98.5	161	EAST
6	132+20.0	157	EAST
7	136+42.6	154	EAST
8	141+81.5	150	WEST
9	146+01.8	147	WEST
10	150+20.6	144	WEST
11	151+81.7	143	EAST
12	157+20.7	139	EAST
13	161+76.2	136	WEST
14	164+48.6	134	WEST
15	170+41.1	130	EAST
16	174+42.8	127	WEST
17	177+28.9	125	WEST
18	222+46.7	119	EAST
19	226+48.7	116	WEST
20	229+55.6	114	EAST
21	233+81.3	111	EAST
22	238+05.3	108	EAST
23	242+29.5	105	EAST
24	246+61.6	102	EAST
25	250+83.6	99	EAST
26	255+09.3	96	EAST
27	259+39.1	93	EAST
28	263+63.2	90	EAST
29	269+02.9	86	WEST
30	271+84.0	84	EAST
31	276+17.4	81	EAST
32	279+81.4	78	WEST
33	284+26.0	75	EAST
34	288+40.7	72	EAST
35	292+21.8	69	EAST
36	296+30.9	66	EAST
37	300+55.8	63	EAST
38	304+79.6	60	EAST
39	309+15.3	57	EAST
40	313+38.5	54	EAST
41	317+74.9	51	EAST
42	322+89.8	47	WEST
43	331+61.6	41	EAST
44	335+50.3	38	WEST
45	339+99.3	35	EAST
46	343+96.7	32	EAST
47	346+35.0	30	EAST
48	353+39.3	25	EAST
49	357+42.7	22	WEST
50	361+48.2	19	WEST
51	365+46.2	16	WEST
52	368+07.2	14	WEST
53	373+69.3	10	WEST
54	376+44.3	8	WEST
55	380+80.8	5	WEST
56	385+01.4	2	WEST

REVISIONS				JORDAN E. LEEP, P.E. P.E. LICENSE NUMBER 76102 KIMLEY-HORN AND ASSOCIATES, INC. 1777 MAIN STREET, SUITE 200 SARASOTA, FL 34236	TAMPA HILLSBOROUGH EXPRESSWAY AUTHORITY			TRAFFIC CONTROL PHASING NOTES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	CONTRACT NO.		
						S.R. 618	HILLSBOROUGH		O-01217

NOTES:

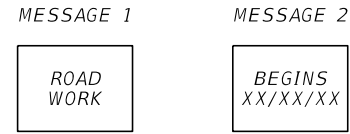
1. PLACE PEDESTRIAN CONTROL SIGNAGE AND PROVIDE SIDEWALK DIVERSION AT PIERS 168 AND 169 ACCORDING TO INDEX 102-075 AND TYPICAL PEDESTRIAN DETOUR PLAN.

PORTABLE CHANGEABLE MESSAGE SIGNS

PLACE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) 14 DAYS PRIOR TO THE FIRST DAY OF CONSTRUCTION.

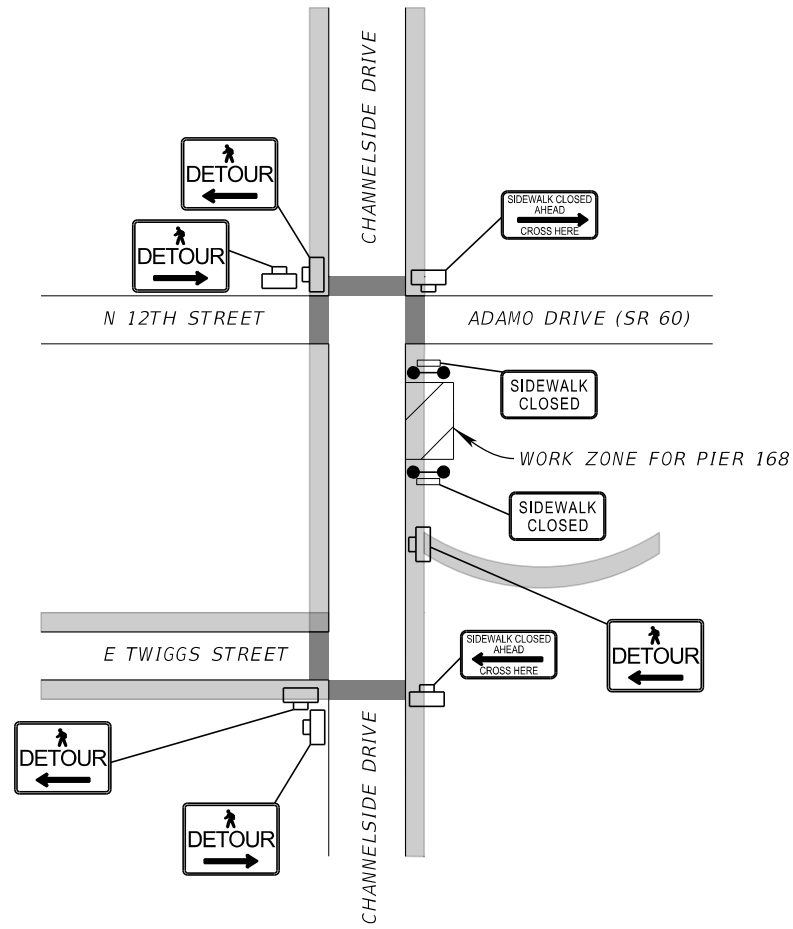
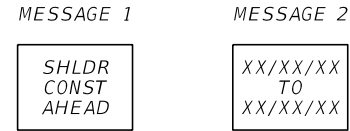
BEGIN/END PROJECT PRIOR TO CONSTRUCTION (FOR BOTH DIRECTIONS OF TRAVEL)

MESSAGES SHOULD READ:

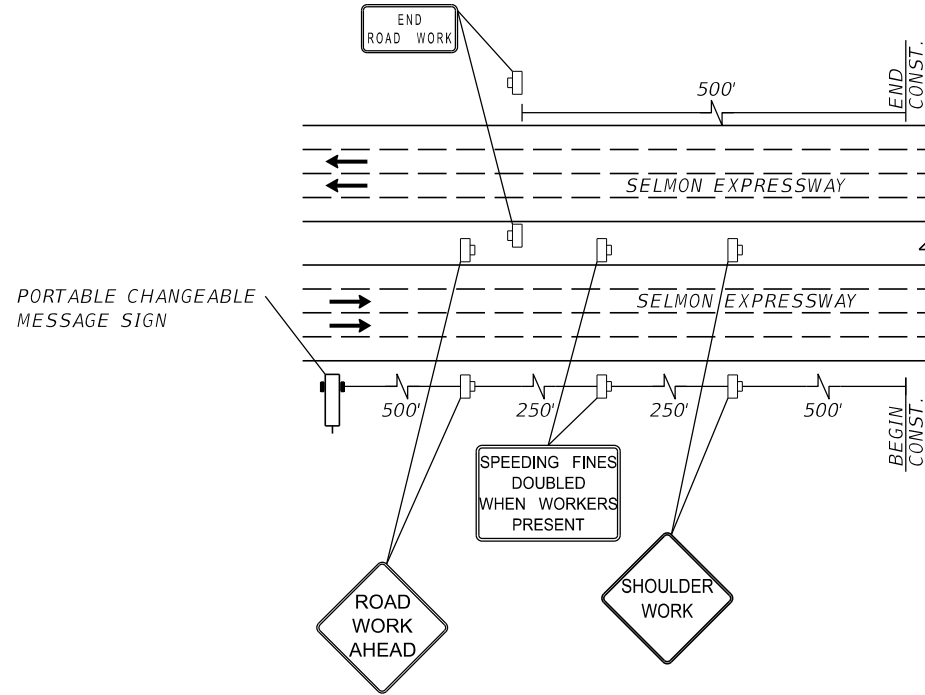


BEGIN/END PROJECT DURING CONSTRUCTION (FOR BOTH DIRECTIONS OF TRAVEL)

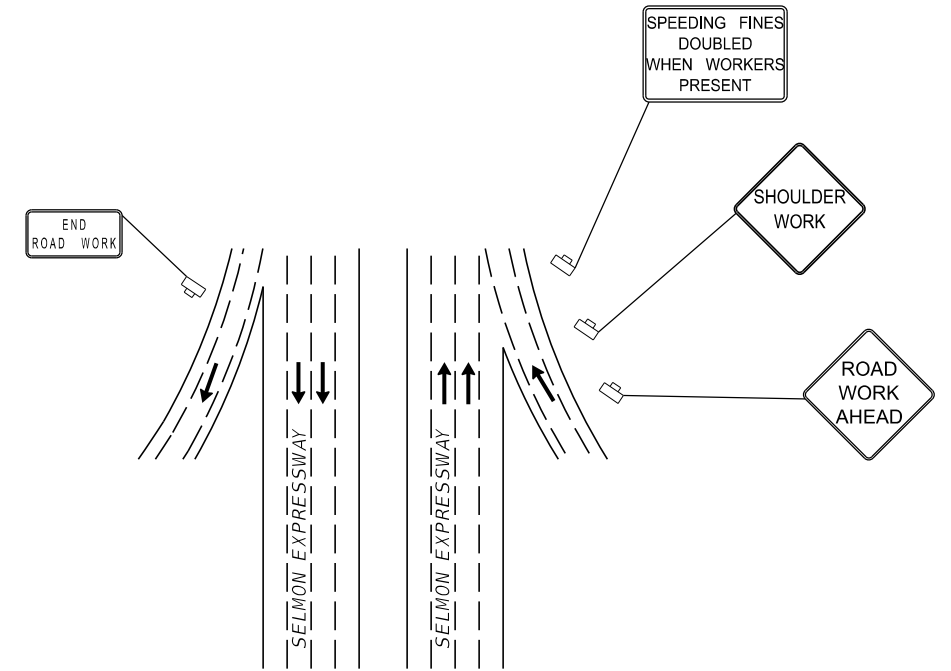
MESSAGES SHOULD READ:



TYPICAL PEDESTRIAN DETOUR



BEGIN/END CONSTRUCTION



UNSIGNALIZED SIDE STREET DETAIL

LEGEND

- WORK ZONE
- EXIST. CROSSWALK
- EXIST. SIDEWALK
- WORK ZONE SIGN
- PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE WITH WORK ZONE SIGN
- LANE IDENTIFICATION AND DIRECTION OF TRAFFIC
- TRAFFIC CONTROL SIGN

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JORDAN E. LEEP, P.E.  
P.E. LICENSE NUMBER 76102  
KIMLEY-HORN AND ASSOCIATES, INC.  
1777 MAIN STREET, SUITE 200  
SARASOTA, FL 34236

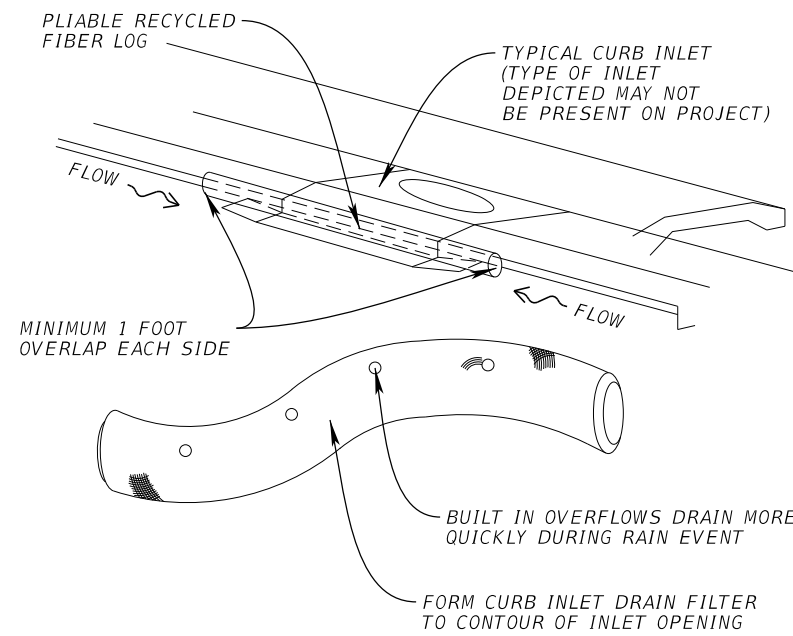
TAMPA HILLSBOROUGH  
EXPRESSWAY AUTHORITY

ROAD NO.	COUNTY	CONTRACT NO.
S.R. 618	HILLSBOROUGH	O-01217

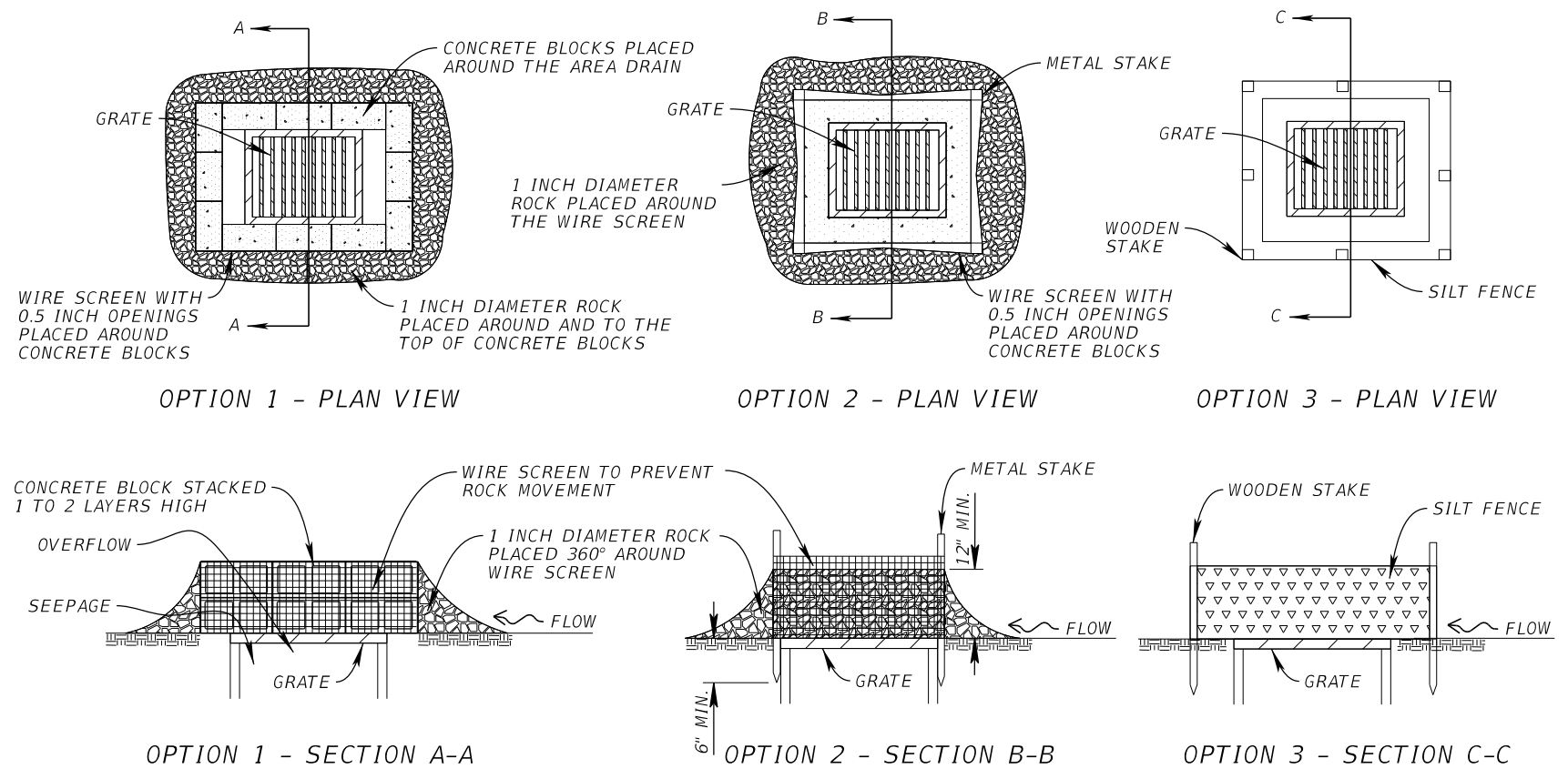
TEMPORARY TRAFFIC  
CONTROL PLAN

SHEET  
NO.

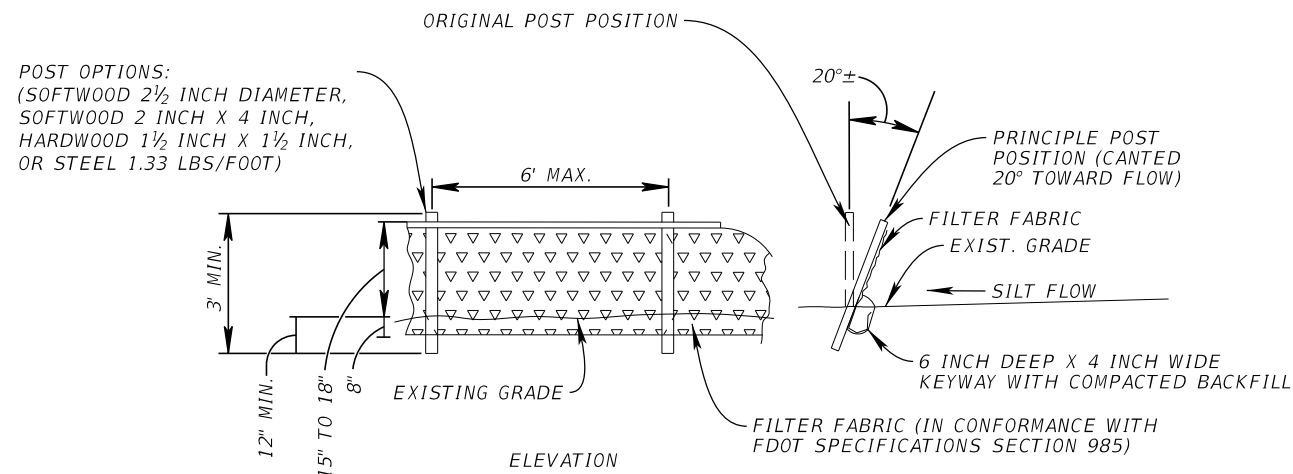
73



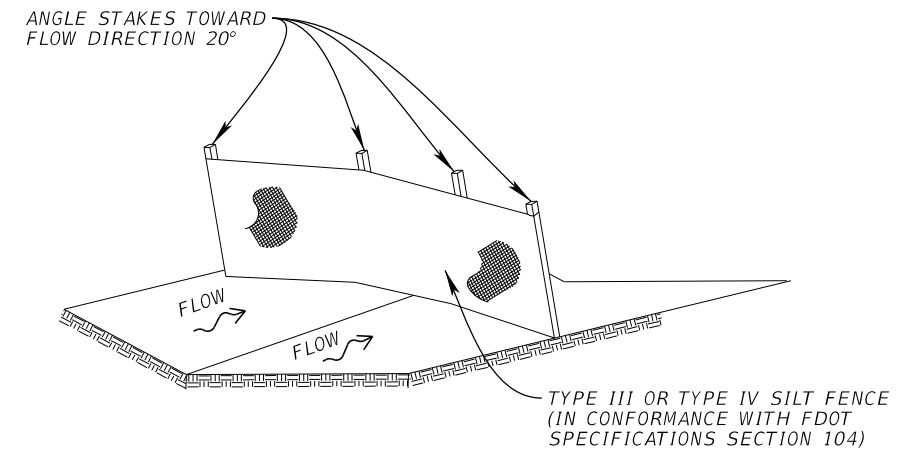
1 INLET PROTECTION SYSTEM



2 DITCH BOTTOM INLET PROTECTION



3 TYPE III SILT FENCE DETAIL



4 SILT FENCE CHECK DAM

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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**EROSION CONTROL  
 DETAIL SHEET**

SHEET NO.  
 74