

TAB 26-24

TAB 26-24



BUFFALO AND SYRACUSE DIVISIONS
PLANS FOR
REPLACEMENT
OF THE
TDS EQUIPMENT
AT
VARIOUS LOCATIONS

TAB 26-24 D215111

TYPE OF CONSTRUCTION:
REPLACEMENT OF TDS EQUIPMENT

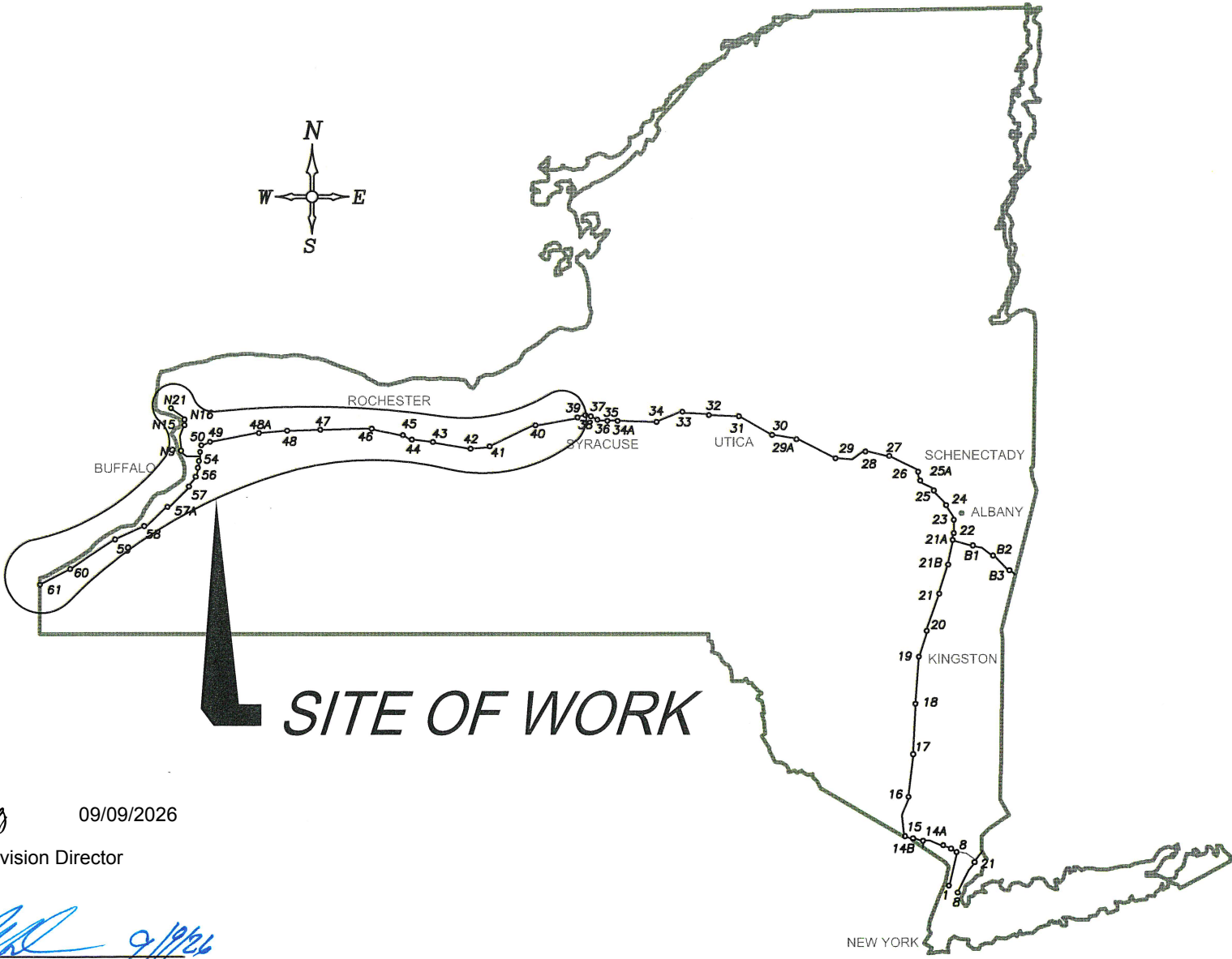
STANDARD SHEETS:
THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY NYSDOT, WHICH ARE CURRENT AS OF THE STANDARD SPECIFICATIONS ADOPTION DATE SHOWN ON THE PROPOSAL COVER SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

THE LATEST REVISIONS OF THE NYSTA STANDARD SHEETS MAINTAINED BY THE AUTHORITY, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) LISTED ON DWG. SS-1 UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

NOTES:
ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (US CUSTOMARY) REFERENCED IN THE CONTRACT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR CHANGES SET FORTH IN THE CONTRACT "PROPOSAL".

	CONTRACT LIMITS		PROJECT LIMITS	
	FROM MP	TO MP	FROM MP	TO MP
I-90	310.69	494.67	310.8	493.2
I-190	0	19.87	0.1	18.4

DIG SAFELY NEW YORK
UNDERGROUND FACILITIES PROTECTION ORGANIZATION
CALL 811



SITE OF WORK

CONTRACTOR'S NAME:	
AWARD DATE:	
COMPLETION DATE:	
FINAL ACCEPTANCE DATE:	
INSPECTION FIRM'S NAME:	
RESIDENT ENG./EIC:	
FINAL COST TOTAL:	
FISCAL SHARE	COST(S)
INSPECTION FIRM CONSULTANT STAMP:	

Signed by:
Robert Dressing 09/09/2026
231E6A92B8F14F3...
Acting Syracuse Division Director

RECOMMENDED BY:
[Signature] 9/9/26
DIRECTOR, OFFICE OF DESIGN

DocuSigned by:
[Signature] 09/09/2026
DIVISION DIRECTOR

RECOMMENDED BY:
[Signature] 9/9/26
TRAFFIC ENGINEER

DocuSigned by:
Charles Whitstone 09/09/2026
DIRECTOR, OFFICE OF CONSTRUCTION MANAGEMENT

Signed by:
Kevin Wisely 09/10/2026
CHIEF MAINTENANCE AND OPERATIONS OFFICER

DocuSigned by:
[Signature] 09/10/2026
CHIEF ENGINEER

PREPARED AND RECOMMENDED BY:
[Signature] DATE 9/01/2026
STANTEC CONSULTING SERVICES INC.
JEFFREY W. JOHNS, P.E.
N.Y.S. LICENSE NUMBER - 079949
Stantec

TAB 26-24

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CHECKED BY: A. LIN

DRAFTED BY: M. DAVIDSON

CHECKED BY: A. LIN

DESIGNED BY: J. VAUGHN

DESIGN SUPERVISOR: J. JOHNS

INDEX		TOTAL NUMBER OF THE SHEETS	21
SHEET NUMBER	DESCRIPTION	DRAWING NUMBER	
1	COVER	COV-1	
2	INDEX & ABBREVIATIONS	IND-1	
3-4	LEGEND	LEG-1 TO LEG-2	
5	STANDARD SHEETS	SS-1	
6	GENERAL NOTES	GNN-1	
7-11	MISCELLANEOUS TABLES	MST-1 TO MST-5	
12-21	MISCELLANEOUS DETAILS	MSD-1 TO MSD-10	

ALIGNMENT		TOPOGRAPHY (MISCELLANEOUS)		UTILITIES	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AH	AHEAD	ABUT	ABUTMENT	E	ELECTRIC
AZ	AZIMUTH	AOBE	AS ORDERED BY ENGINEER	EMH	ELECTRIC MANHOLE
BK	BACK	ASPH	ASPHALT	G	GAS
℄	BASELINE	BDY	BOUNDARY	GP	GUY POLE
BRG	BEARING	BLDG	BUILDING	GSB	GAS SERVICE BOX (HOUSE LINE)
℄	CENTERLINE	BM	BENCH MARK	GV	GAS VALVE (MAIN LINE)
CS	CURVE TO SPIRAL	CC	CENTER TO CENTER	HYD	HYDRANT
e	SUPERELEVATION RATE (CROSS SLOPE)	CONC	CONCRETE	LP	LIGHT POLE
EQ	EQUALITY	CONST	CONSTRUCTION	LPG	LOW PRESSURE GAS
EXT	EXTERNAL	CR	COUNTY ROAD	PP	POWER POLE
HCL	HORIZONTAL CONTROL LINE	D	DEED DISTANCE	SA	SANITARY SEWER
HSD	HEADLIGHT SIGHT DISTANCE	DM	DIRECT MEASUREMENT	SMH	SANITARY MANHOLE
L	LENGTH OF CIRCULAR CURVE	DWY	DRIVEWAY	ST	STORM SEWER
LS	LENGTH OF SPIRAL	EP	EDGE OF PAVEMENT	T	TELEPHONE
LVC	LENGTH OF VERTICAL CURVE	ES	EDGE OF SHOULDER	TCB	TRAFFIC CONTROL BOX
E	CENTER CORRECTION OF VERTICAL CURVE	FEE	FEE ACQUISITION	TELBOX	TELEPHONE BOX
M	MAIN LINE	FEE WO/A	FEE ACQUISITION WITHOUT ACCESS	TEL P	TELEPHONE POLE
PC	POINT OF CURVATURE	FP	FENCE POST	TMH	TELEPHONE MANHOLE
PI	POINT OF INTERSECTION	FD	FOUNDATION	CTV	CABLE TELEVISION
POL	POINT ON LINE	FL	FENCE LINE	W	WATER
PSD	PASSING SIGHT DISTANCE	GAR	GARAGE	WSB	WATER SERVICE BOX (HOUSE LINE)
PT	POINT OF TANGENT	GR	GRAVEL	WV	WATER VALVE (MAIN LINE)
PVC	POINT OF VERTICAL CURVE	HO	HOUSE	SUBSURFACE EXPLORATION	
PVI	POINT OF VERTICAL INTERSECTION	HWY	HIGHWAY		
PVT	POINT OF VERTICAL TANGENT	IP	IRON PIN OR IRON PIPE	ABBR.	DESCRIPTION
R	RADIUS	MB	MAILBOX	REPLACE ABBREVIATION "AB" WITH:	
SC	SPIRAL TO CURVE	MON	MONUMENT	AH	HAND AUGER
SSD	STOPPING SIGHT DISTANCE	N&W	NAIL AND WASHER	CP	CONE PENETROMETER
ST	SPIRAL TO TANGENT	OG	ORIGINAL GROUND	DA	2 1/4 INCHES BASED DRILL HOLE
STA	STATION	O/H	OVERHEAD	DM	DRILLING MUD
T	TANGENT LENGTH	P	PARCEL	DN	4 INCHES CASED DRILL HOLE
TGL	THEORETICAL GRADE LINE	PAV'T	PAVEMENT	FH	HOLLOW FLIGHT AUGER
TS	TANGENT TO SPIRAL	PE	PERMANENT EASEMENT	PA	POWER AUGER
VC	VERTICAL CURVE	PED POLE	PEDESTRIAN POLE	PH	PROBE
TOPOGRAPHY (DRAINAGE)		℄	PROPERTY LINE	PT	PERCOLATION TEST HOLE
		POR	PORCH	RP	1 INCH SAMPLER (RETRACTABLE PLUG)
ABBR.	DESCRIPTION	RR	RAILROAD	ABBREVIATION "C" IN CATEGORIES: DA, DM, DN, AND FH WITH:	
BB	BOTTOM OF BANK (STREAM)	ROUTE	ROUTE		
BC	BOTTOM OF CURB	ROW	RIGHT OF WAY	B	BRIDGE
BO	BOTTOM OF OPENING	RW	RETAINING WALL	C	CUT
CAP	CORRUGATED ALUMINUM PIPE	SH	STATE HIGHWAY	D	DAM
CB	CATCH BASIN	SHLDR	SHOULDER	F	FILL
CIP	CAST IRON PIPE	SPK	SPIKE	K	CULVERT
℄ STRM	CENTERLINE OF STREAM	ST	STREET	W	WALL
CMP	CORRUGATED METAL PIPE	STK	STAKE	X	TO BE USED IF ONE OF THE ABOVE CANNOT BE DEFINED AT THE TIME THE EXPLORATION IS MADE
CP	CONCRETE PIPE	STY	STORY		
CSP	CORRUGATED STEEL PIPE	SW	SIDEWALK		
CULV	CULVERT	TE	TEMPORARY EASEMENT		
DIA	DIAMETER	TO	TEMPORARY OCCUPANCY		
DMH	DRAINAGE MANHOLE	U/G	UNDERGROUND		
DS	DRAINAGE STRUCTURE PIPE	WW	WING WALL		
D'XING	DITCH CROSSING				
EHW	EXTREME HIGH WATER				
EL	ELEVATION				
ELEV	ELEVATION				
ELW	EXTREME LOW WATER				
ES	END SECTION				
HW	HEADWALL				
INV	INVERT				
MH	MANHOLE				
MHW	MEAN HIGH WATER				
OHW	ORDINARY HIGH WATER				
OLW	ORDINARY LOW WATER				
RCP	REINFORCED CONCRETE PIPE				
SICPP	SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE				
TB	TOP OF BANK (STREAM)				
TC	TOP OF CURB				
TG	TOP OF GRATE				
VCP	VITRIFIED CLAY PIPE				

STANDARD SYMBOL (PLANS)	ITEM PAYMENT UNIT: ESTIMATE OF QUANTITIES SHEET	EQUIVALENT NOMENCLATURE: (SPECS/PROPOSAL)
▪	-	INCHES
'	LF	LINEAR FEET
mi	MI	MILES
ft²	SF	SQUARE FEET
yd²	SY	SQUARE YARD
AC	AC	ACRES
YD³	CY	CUBIC YARD
GAL	GAL	GALLON
lb	LB	POUND
TON	TON	TON

ALTERED ON:	AFFIXED ON:
SIGNATURE: STAMP:	SIGNATURE: STAMP:

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	REVISIONS				 	TITLE OF PROJECT REPLACEMENT OF THE TDS EQUIPMENT LOCATION OF PROJECT VARIOUS LOCATIONS TITLE OF DRAWING INDEX & ABBREVIATIONS	CONTRACT NUMBER: TAB 26-24 D215111 DATE: 09 / 2026 DRAWING NUMBER: IND-1
	DATE	DESCRIPTION	BY	SYM.			

THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).

FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).

FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.

PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 In ON B SIZE DRAWINGS).

MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.

FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

REVISIONS					TITLE OF PROJECT REPLACEMENT OF THE TDS EQUIPMENT	CONTRACT NUMBER: TAB 26-24 D215111
DATE	DESCRIPTION	BY	SYM.		LOCATION OF PROJECT VARIOUS LOCATIONS	DATE: 09 / 2026
					TITLE OF DRAWING LEGEND - LINE SYMBOLOGY	DRAWING NUMBER: LEG-1

Portfiled By: dlin 02810530Rcdwysdoffinal Design00-awingPlan Set04E04192810530.cnh-leg-LEG-02.BUF.dgn
 Portfiled: 9/1/2024
 DRAFTED BY: M. DAVIDSON

CHECKED BY: A. LIN

CHECKED BY: A. LIN

CHECKED BY: A. LIN

DESIGNED BY: J. VAUGHN

DESIGN SUPERVISOR: J. JOHNS

ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			UTILITIES											
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION									
	ACC	CENTER OF CURVATURE		DINV	INVERT		IA NT_P	ANTENNAS		MDL1P	DEED LINE, TYPE 1		S	SINGLE POST		UEB	ELECTRIC, BOX									
	ACOGO	COGO		DS	STRUCTURE, RECTANGULAR		IASCTS	ACOU. SPEED/COUNT SNSR.S		MDL2P	DEED LINE, TYPE 2		S_P	SINGLE POST, PROPOSED		UEM	ELECTRIC, METER									
	ACS	CURVE TO SPIRAL		DSI	STRUCTURE, INVERT		ICABPAD	CABINET & PAD		MDL3P	DEED LINE, TYPE 3		SB_P	BACK TO BACK, PROPOSED		UEMH	ELECTRIC, MANHOLE									
	ADPI_P	DETOUR, POINT OF INTERSECT.		DSM	STRUCTURE, MANHOLE		ICCTV	CCTV SITE		MDL4P	DEED LINE, TYPE 4		SDEL	DELINEATORS		UEPT	ELECTRIC, POLE, TRANS.									
	ADPL_P	DETOUR, POINT ON LINE		DSMTXX_P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 84, 96		ICDPD	CDPD TRANSCEIVER		MDL5P	DEED LINE, TYPE 5		SPM	PARKING METER		UGM	GAS, METER									
	AEQN	EQUATION		DSR	STRUCTURE, ROUND		ICELLT	CELL PHONE TOWER		MEEP	EASEMENT, EXISTING		SRM	REFERENCE MARKERS		UGMH	GAS, MANHOLE									
	AEQNAHD	EQUATION AHEAD		DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R		ICJB	CONDUIT JACK OR BORING		MEPAP_P	EASEMENT, PERM., APPROX.		SRSC3	SHLD, CTY, 123 DIG.		UGLM	GAS, LINE MARKER									
	AEQNBK	EQUATION BACK		DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R		ICNTLCAB	CONTROLLER CABINET		MEPP_P	EASEMENT, PERM., BACK LINE		SRSC4	SHLD, CTY, 4 DIG.		UGP	GAS/FUEL PUMP									
	AEVT	EVENT STATION		DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R		ICPB	COMMUNICATION PULL BOX		MEPSP_P	EASEMENT, PERM., SHAPE		SRSCT2	SHLD, CTY TOUR, 1-2 DIG.		UGV	GAS, VALVE									
	APC	POINT OF CURVATURE		DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R		ICTD	CONDUIT TURNING DOWN		MFAP_P	FEE ACQUISITION, APPROX.		SRSCT4	SHLD, CTY TOUR, 3-4 DIG.		UGVT	GAS, VENT									
	APCC	POINT OF COMPOUND CURVATURE		DST"X"CB_P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R		ICTU	CONDUIT TURNING UP		MFP_P	FEE ACQUISITION, BACK LINE		SRSI	SHLD, INTERSTATE		ULP	LIGHTING, POLE									
	API	POINT OF INTERSECTION	ENVIRONMENTAL				ICVTRT	COMM. VEH. ROAD TRANSCEIVER		MFSP_P	FEE ACQUISITION, SHAPE		SRSN2	SHLD, NATIONAL, 2 DIG.		ULPM	LIGHTING, POLE, MEDIAN									
	APOB	POINT OF BEGINNING					IDEFAULT	DEFAULT		MHBP	HIGHWAY BNDRY, PT.		SRSN3	SHLD, NATIONAL, 3 DIG.		ULPP	LIGHTING, POLE, PED.									
	APOC	POINT OF CURVATURE		EIOP_P	STR., INLET, OUTLET PROT.		IEZR	E-ZPASS READER		MHBCP	HISTORICAL, BLDG. CORNERS		SRSS2	SHLD, STATE, 2 DIG.		UMFC	MISC. FILLER CAP									
	APOE	POINT OF END		EIPGB_P	STR., INLET PROT., GRAVEL BAG		IEZTR	TRANSMITTAL READER		MHBP	HIGHWAY BNDRY, PT.		SRSS3	SHLD, STATE, 3 DIG.		UOLM	OIL, LINE MARKER									
	APOL	POINT ON LINE		EIPEFL_P	STR., INLET PROT., FILTER LOG		IFOXCAB	FIBER OPTIC X-CONNECT CABINET		MJCP	PT., JURIS. CITY		SRSS4	SHLD, STATE, 4 DIG.		UP	POLE, WITH UTILITY									
	APOS	POINT ON SPIRAL		EIPEFL_P	STR., INLET PROT., FILTER LOG		IFUSSPL	FUSION SPLICE		MPBC	PT., BUILDING CORNER	TRAFFIC CONTROL				UPD	POLE, DEAD (NO UTILITY)									
	APOT	POINT ON TANGENT		EIPP_P	STR., INLET PROT., PREFAB.		IHARADV	HAR ADVISORY SIGN		MPCC	PT., CROSS CUT					TCBJ	BOX, JUNCTION		UPL	POLE, WITH LIGHT						
	APOVC	POINT ON VERTICAL CURVE		EIPSF_P	STR., INLET PROT., SILT FENCE		IHARST	HAR SITE		MPDH	PT., DRILL HOLE		TCBP	BOX, PULL BOX		USMH	SANITARY SEWER MANHOLE									
	APOVT	POINT ON VERTICAL TANGENT		EIPSF_P	STR., INLET PROT., SILT FENCE		ILC	LOAD CENTER		MPF	PT., FENCE LOCATION		TCBS	BOX, SPLICE		UTB	TELEPHONE, BOOTH									
	APRC	POINT ON REVERSE CURVE		ERCB	RISER, CONCRETE BOX		IMECSPL	MECHANICAL SPLICE		MPIP	PT., IRON PIPE		TCMC	MICROCOMPUTER CABINET		UTLM	TELEPHONE, LINE MARKER									
	APT	POINT OF TANGENCY		ETRS_P	TRAP, SEDIMENT		IMSCS	PORT. SPEED & COUNT SENSOR		MPIR	PT., IRON ROD		TCPP	PED POLE		UTMH	TELEPHONE, MANHOLE									
	APVC	POINT OF VERTICAL CURVATURE		EWFG	WETLAND FLAG		IMSCTS	MICRO SPEED & COUNT SENSOR		MPM	PT., MONUMENT		TCSH	SIGNAL HEADS		UTVLM	CABLE TV, LINE MARKER									
	APVCC	POINT OF VERT. CMPND CURVE	GEOTECHNICAL				IMT	MICROWAVE TRANSCEIVER		MPMM	PT., MONUMENT, MISC.		TCSP	SIGNAL POLE		UTVPB	CABLE TV, PULL BOX									
	APVI	POINT OF VERT. INTERSECTION					IOVHVS	PERM. OVERHEAD VMS		MPN	PT., NAIL	TRAFFIC WORK ZONE				UUB	UNKNOWN, BOX									
	APVRC	POINT OF VERT. REVERSE CURVE		IPASCS	PORT. ACCOU. SPD & CNT. SENSOR		MPRS	PT., RAILROAD SPIKE		TWZAP_P	ARROW PANEL					UUBJ	UNKNOWN, JUNCTION BOX									
	APVT	POINT OF VERTICAL TANGENCY	LANDSCAPE				MPSP	PT., SPIKE		TWZAPC_P	ARROW PANEL, CAUTION MODE		UUMH	UNKNOWN, MANHOLE												
	ASC	SPIRAL TO CURVE					IPSS	PAVEMENT SURFACE SENSOR		MPST	PT., STAKE		TWZAPT_P	ARROW PANEL, TRAILER OR SUPPORT		UUPB	UNKNOWN, PULL BOX									
	ASPI	SPIRAL POINT OF INTERSECTION		IPVMS	PERM. VMS		MPTW	PT., TREE W/ WIRE		TWZBCD_P	BARRICADE (TYPE III)		UUVL	UNKNOWN, VALVE												
	ASTS	SPIRAL TO SPIRAL		IRM	RAMP METER		MPWL	PT., WALL LOCATION		TWZBCD_P	BARRICADE (TYPE III)		UUVT	UNKNOWN, VENT												
	AST	SPIRAL TO TANGENT		IRWIS	RDWY WEATHER INFO. SENSOR	ROW ACQUISITION				TWZCMS_P	CHANGEABLE MESSAGE SIGN (PVMS)		UUW	UNKNOWN, WELL												
	ATS	TANGENT TO SPIRAL		ISP	SOLAR PANEL					TWZFLG_P	FLAGGER		UWFH	WATER, FIRE HYDRANT												
	AVEVT	VERTICAL EVENT POINT		ISST	SPREAD SPECT. TRANSCEIVER		TWZFT_P	FLAG TREE		UWM	WATER, METER															
	AVHIGH	VERTICAL HIGH POINT		ITDB	TELEPHONE DEMARCATION BLK		TWZIA_P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)		UWMH	WATER, MANHOLE															
	AVLOW	VERTICAL LOW POINT		ITP	SUBSURFACE TEMP. PROBE		TWZLUM_P	LUMINAIRE (TEMPORARY)		UWV	WATER, VALVE															
BRIDGE				IVTRT	VEHICLE TO RDWY TRANSCEIVER		TWZSDT_P	SYMBOL, DIRECTION OF TRAFFIC		UWW	WATER, WELL															
				IWIMD	WEIGHT IN MOTION DETECTOR		TWZSDTD_P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR																		
CONTROL				IWVR	WIRELESS VIDEO REPEATER		TWZSGN_P	SIGN (TEMPORARY)																		
				IWVRC	WIRELESS VIDEO RECEIVER		TWZSIG_P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)																		
	IWVTT	WIRELESS VIDEO TRANSMITTER		TWZWL_P	WARNING LIGHT																					
	RES_P	ELEVATION, SPOT		TWZWV_P	WORK VEHICLE																					
	RGA	GUIDE RAIL, ANCHOR		TWZWVA_P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR																					
	RGP	GUIDE POST, SINGLE	ROADWAY																							

REVISIONS						TITLE OF PROJECT REPLACEMENT OF THE TDS EQUIPMENT		CONTRACT NUMBER: TAB 26-24 D215111	
DATE	DESCRIPTION	BY	SYM.						
						LOCATION OF PROJECT VARIOUS LOCATIONS		DATE: 09 / 2026	
								DRAWING NUMBER: LEG-2	
						TITLE OF DRAWING LEGEND - LINE SYMBOLOGY		DRAWING NUMBER: LEG-2	
								DRAWING NUMBER: LEG-2	
						TITLE OF DRAWING LEGEND - LINE SYMBOLOGY		DRAWING NUMBER: LEG-2	
								DRAWING NUMBER: LEG-2	

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CHECKED BY: A. LIN

DRAFTED BY: M. DAVIDSON

CHECKED BY: A. LIN

DESIGNED BY: J. VAUGHN

DESIGN SUPERVISOR: J. JOHNS

New York State Thruway Authority Standard Sheets

The following NYS Thruway Authority standard sheets, marked with an "X" in first column, apply to this project.

X	SHEET NO.	SUBJECT
	TA 201-01	Clearing and Grubbing (Dwg. CG)
	TA 203-01	Shoulder Backup 1R Projects (Dwg. SB)
	TA 203-02	Slope Flattening Details
	TA 404-01	Highway Pavement Repair Details (Dwg. PRD)
	TA 404-02	Bridge Deck Wearing Course Resurfacing (Dwg. BDR)
	TA 404-03	Overhead Bridge Underclearance Improvement (Dwg. BU)
	TA 603-01	Culvert Extension Details
	TA 605-01	Underdrain Details
	TA 606-01	Modified Thrie Beam (Mod.) Guiderail (Dwg. GR-1)
	TA 606-02	Vacant
	TA 606-03	Corrugated Median Barrier to Corrugated Beam Guide Railing Transition Detail D (Dwg. GR-4)
	TA 606-04	Box Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-5)
	TA 606-05	HPBO (Mod.) Corrugated Beam to 42" Single Slope Half Section Concrete Barrier Pier Protection (Dwg. GR-6)
	TA 606-06	Typical U-Turn Median Rail Layout and Roadway Transverse Section
	TA 606-07	Modified Thrie Beam Guiderail with Rock Rail
	TA 606-08	Transition HPBO Corrugated Beam Median Guide Railing to HPBO Corrugated Beam Guide Railing
	TA 611-01	Living Snow Fences
	TA 614-01	Tree Removal
X	TA 619-01	Work Zone Traffic Control Tables & Legend
X	TA 619-02	General Work Zone Traffic Control Notes & Channelizing Devices
X	TA 619-03	Shoulder Closure Short-Term or Intermediate-Term Stationary
X	TA 619-04	Shoulder Closure Short-Duration Stationary and Mobile
	TA 619-05	Signing & Delineation for Shoulder Work Spaces with Temporary Concrete Barrier
X	TA 619-06	Work Beyond Shoulder
	TA 619-07	Be Prepared to Stop and Uneven Lanes Signing
X	TA 619-08	Single Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
X	TA 619-09	Double Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-10	Center Lane Closure Short- or Intermediate-Term Stationary: 65 MPH Zone
	TA 619-11	Lane Shift: 65 MPH Zone
X	TA 619-12	Single Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
X	TA 619-13	Double Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-14	Center Lane Closure Short- or Intermediate-Term Stationary: 55 MPH Zone
	TA 619-15	Lane Shift: 55 MPH Zone
X	TA 619-16	Work Zone Traffic Control at Interchanges, Service Areas and Parking Areas
	TA 619-17	Work Zone Traffic Control for Miscellaneous Operations
	TA 619-18	Mobile Lane Closure
	TA 619-19	Mobile Lane Closure: Narrow Shoulder Area
X	TA 619-20	Short-Duration Lane Closure
X	TA 619-21	Short-Duration Double Lane Closure
	TA 619-22	Work Zone Traffic Control Guide for Pavement Striping Operations
	TA 619-23	Mobile Lane Closure for Pavement Striping Operations
	TA 619-24	Mobile Lane Closure for Pavement Striping Operations: Narrow Shoulder Area
	TA 619-25	Work Zone Traffic Control for Pavement Striping Operations at Interchanges, Service Areas and Parking Areas
	TA 619-26	Temporary Rock Catchment Barrier (Sheets 1-3)
X	TA 619-27	Workzone Overhead Gantry Signing
	TA 619-30	New York Division Traffic Management Tables (Sheets 1-28)
	TA 619-31	Albany Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
	TA 619-32	Albany Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
X	TA 619-33	Syracuse Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
X	TA 619-34	Syracuse Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-18)
X	TA 619-35	Buffalo Division 1,150 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
X	TA 619-36	Buffalo Division 1,300 Veh/Hr/Lane Traffic Management Tables (Sheets 1-37)
	TA 625-01	ROW and Survey Markers
	TA 645-01	Wrong Way Deterrence Sign
	TA 646-01	Reference Marker Details (Sheets 1-2)
	TA 670-01	Fiber Optic & Backbone Handhole Relocation Details
X	TA 680-01	Inductance Loop Installation
	TA 680-02	Highway Advisory Radio (Sheets 1-9)
	TA 685-01	Pavement Marking Details: Asphalt and Concrete Pavement (Sheets 1-2)
	TA 685-02	Pavement Marking Details: Tapered Acceleration and Deceleration Lanes
	TA 685-03	Vacant
	TA 685-04	Temporary Pavement Marking Details
	TA 690-01	Loop and Treadle Plan (Sheets 1-2)
	TA 690-02	Toll Lane Slab Reinforcement Plan
	TA 690-03	10 ft Treadle Frame (Sheets 1-4)

The officially adopted New York State Thruway Authority Standard Sheets book is available on the Thruway Authority's website at: <http://www.thruway.ny.gov/business/contractors/standard-sheets/index.shtml>

Highway Work Type

The marked types & treatments apply to the indicated milepost range(s) below.

MILEPOST FROM:	310.8	900.1					
	TO:	493.2	918.4				
PROJECT TYPE	X	X	X	X	X	X	X
1R Resurfacing							
2R Resurfacing							
3R Rehabilitation							
Reconstruction							
Safety Improvements							
Drainage							
Rock Slope Remediation							
Pavement Striping							
Other: ITS Upgrades	X	X					
PAVEMENT TREATMENT	X	X	X	X	X	X	X
Isolated Pavement Repairs Only							
Thin Overlay without Milling							
Thin Overlay with Milling							
1" Mill & Inlay without Shoulders							
1" Mill & Inlay with Shoulders							
2" Mill & Inlay without Shoulders							
2" Mill & Inlay with Shoulders							
Mill to Concrete with 4" Overlay							
Mill to Concrete with 4.5" Overlay							
Mill to Concrete with 5" Overlay							
Crack and Seat with Overlay							
Rubblize with Overlay							
Other: FULL DEPTH RECSTRUCTION							

Structure Work Type

The marked types apply to the indicated milepost(s) below.

MILEPOST:							
PROJECT TYPE	X	X	X	X	X	X	X
Bridge Washing							
Scour Protection							
Channel Cleaning							
Railing System							
Protective Screening							
Painting							
Steel Repair							
Wearing Surface Treatment							
Deck Repairs							
Joint Rehabilitation							
Joint Replacement							
Bearing Rehabilitation							
Bearing Replacement							
Hanger Pin Replacement							
Security							
Seismic Retrofit							
Substructure Rehabilitation							
Electrical							
Cathodic Protection System							
Fendor or Pier Protection System							
Deck Replacement							
Superstructure Replacement							
Bridge Replacement							
Added Bridge (New Location)							
Abandoned Bridge							
Other: Sawcut Grooving, Wingwal Repl.							

New York State Department of Transportation Standard Sheets

The latest revisions of the New York State Department of Transportation Standard Sheets maintained by NYSDOT, which are current as of the Standard Specifications adoption date shown on the Proposal cover, shall be considered to be in effect. All pay items and work contained in the Contract and any additional pay items and work encountered during the course of the Contract shall be subject to the applicable standard sheet(s) unless otherwise specified in the Contract documents.

The officially adopted New York State Department of Transportation Standard Sheets book is available on the NYSDOT website at: <https://www.dot.ny.gov/main/business-center/engineering/specifications/busi-e-standards-usc>

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



Thruway
Authority

TITLE OF PROJECT REPLACEMENT OF THE TDS EQUIPMENT	CONTRACT NUMBER: TAA 26-XX D215XXX
LOCATION OF PROJECT VARIOUS LOCATIONS	DATE: 09 / 2026



TITLE OF DRAWING NYSTA STANDARD SHEETS LISTING AND WORK TYPE TABLES	DRAWING NUMBER: SS-1
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THE FOLLOWING IS A GENERAL LISTING OF WORK TO BE DONE UNDER THIS CONTRACT WHICH INCLUDES, BUT NOT LIMITED TO:

1. TRAFFIC DATA STATION (TDS) EQUIPMENT UPGRADES
2. TRAFFIC DATA STATION AC/SOLAR POWER UPGRADES
3. INDUCTANCE LOOP REPLACEMENT
4. MISCELLANEOUS SITE WORK WHICH INCLUDES, TREE REMOVALS AND TDS CABINET IMPROVEMENTS.

1. CONCRETE DATA: THE MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 3,000 PSI AT 28 DAYS.
2. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT NO SPOIL AREA FOR SURPLUS MATERIALS IS AVAILABLE FOR THIS CONTRACT WITHIN THE AUTHORITY'S RIGHT-OF-WAY. THEREFORE, ALL MATERIAL TO BE REMOVED FROM THE JOB SITE SHALL BE DISPOSED OF BY THE CONTRACTOR OFF THE AUTHORITY'S PROPERTY. ALL COSTS ASSOCIATED WITH THE SPOIL AREA AND REMOVAL OF SPOIL MATERIAL SHALL BE INCLUDED IN THE VARIOUS ITEMS OF THE CONTRACT.
3. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST EDITION OF NFPA-70 (NATIONAL ELECTRIC CODE).
4. THE CONTRACTOR SHALL NOTIFY DIVISION INTELLIGENT TRANSPORTATION SYSTEMS MAINTENANCE (ITSM) AT LEAST ONE WEEK IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING ITS EQUIPMENT (VMS, ETC.).

1. THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS AND OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE APPROPRIATE ITEMS IN THE CONTRACT.
2. CARE SHALL BE TAKEN TO RETAIN NATURAL GROWTH AND PREVENT DAMAGE TO TREES WITHIN AND OUTSIDE THE LIMITS OF CONSTRUCTION, AND NOT SCHEDULED FOR REMOVAL. ANY DAMAGE CAUSED TO THIS NATURAL GROWTH SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
3. CONTRACTOR SHALL INSTALL TEMPORARY STORMWATER CONTROLS AS NECESSARY TO PREVENT SEDIMENT RUNOFF FROM ENTERING WATERWAYS AND WETLANDS.

TEMPORARY MEASURES SHALL BE REMOVED AND THE AREA RESTORED AT THE COMPLETION OF WORK.

COST TO BE INCLUDED IN 608.01010125.
4. EXISTING CONDUITS THAT ARE TO BE ABANDONED SHALL BE CAPPED OR PLUGGED TO THE SATISFACTION OF THE ENGINEER IN-CHARGE. EXISTING WIRES NOT NEEDED SHALL BE REMOVED AND DISPOSED. COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR VARIOUS ITEMS OF THE CONTRACT.

1. PANELS SHALL BE ORIENTED FACING DUE SOUTH UNLESS OTHERWISE NOTED IN THE PLANS.
2. THE ANGLE BETWEEN THE PANEL FACE AND LEVEL SHALL BE 57° UNLESS OTHERWISE NOTED ON THE PLANS.

1. NEW WORK PADS SHALL BE 4 FT x 4 FT. CONCRETE WORKPADS SHALL BE 4 IN THICK. ALL CONCRETE PADS SHALL BE PRECAST CONCRETE.

1. TRAFFIC COUNTERS SHALL BE FURNISHED BY THE CONTRACTOR AND DELIVERED TO NYSTA HEADQUARTERS. DELIVERY SHALL BE COORDINATED WITH; ALEXON MONTALVO, MAINTENANCE SUPERVISOR 3 (518) 471-4325.
2. IF WELDING IS REQUIRED ON A TDS CABINET:
 - PRIOR TO WELDING ON A TDS CABINET, THE CONTRACTOR SHALL COORDINATE WITH NYSTA ITSM STAFF TO HAVE ALL ELECTRONIC EQUIPMENT DISCONNECTED AND REMOVED FROM THE SAID CABINET.
 - OUTAGE SHALL LAST A MAXIMUM OF 1 WEEK.
3. ITEM 683.1100XX25 - BID PRICE FOR COMPONENT UPGRADES SHALL INCLUDE THE COST OF ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO DISCONNECT ATTACHED EQUIPMENT, INSTALLATION OF COMPONENT AND RE-CONNECT ATTACHED EQUIPMENT, UNLESS NOTED OTHERWISE IN PLANS.

1. NO TREE CUTTING OR PRUNING SHALL BE PERFORMED DURING THE PERIOD FROM APRIL 1ST TO OCTOBER 31ST.

1. LOCATIONS OF UTILITIES, PUBLIC AND/OR PRIVATE, INDICATED AS EXISTING AND/OR TO BE CONSTRUCTED AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THEIR EXACT LOCATION SHALL BE DETERMINED IN THE FIELD. ADDITIONAL UTILITY LINES, WHETHER ABANDONED OR IN SERVICE, MAY EXIST AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONDUCT THEIR OPERATIONS AND TAKE THE NECESSARY PRECAUTIONS TO PREVENT INTERFERENCE WITH OR DAMAGE TO THESE OR OTHER FACILITIES DURING THE COURSE OF CONSTRUCTION.
2. IN THE EVENT THE CONTRACTOR DAMAGES AN EXISTING UTILITY SERVICE CAUSING AN INTERRUPTION IN SAID SERVICE, THEY SHALL IMMEDIATELY STOP WORK AND RESTORE SERVICE AND MAY NOT COMMENCE THEIR WORK OPERATION UNTIL SERVICE IS RESTORED.
3. THE METHOD OF REMOVAL OF EXISTING ROADWAY OR SHOULDER PAVEMENT IN THE IMMEDIATE VICINITY OF UNDERGROUND UTILITIES SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
4. THE AUTHORITY'S FIBER OPTIC INFRASTRUCTURE IS LOCATED WITHIN THE ENTIRE WORK LIMITS OF THIS PROJECT. THE CONTRACTOR IS ADVISED TO CONTACT UDIG OR 1-800-962-7962, PRIOR TO ANY EXCAVATION.
5. WARNING - EXISTING UNDERGROUND UTILITIES MAY BE LOCATED WITHIN THE WORK LIMITS AND MAY BE ENCOUNTERED DURING CONSTRUCTION. EXTREME CARE SHOULD BE EXERCISED TO AVOID DAMAGE TO THESE FACILITIES, ANY DAMAGE SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER AND TO THE OWNER OF THE UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPAIRS. IN ACCORDANCE WITH 16NYCRR, PART 753, "PROTECTION OF UNDERGROUND FACILITIES", UDIG NY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION AT 1-800-962-7962 OR 811. THRUWAY AUTHORITY UTILITIES WILL BE LOCATED BY THRUWAY STAFF.

1. "MUTCD", AS REFERENCED IN THESE CONTRACT DOCUMENTS, SHALL MEAN THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; WITH THE NEW YORK STATE SUPPLEMENT TO THE MUTCD.
2. ALL WORK ZONE TRAFFIC CONTROL DEVICES AND SCHEMES USED FOR WORK ZONE TRAFFIC CONTROL SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS AS SET FORTH IN THE MUTCD AND AS ORDERED BY THE ENGINEER (A.Q.B.E.).
3. PRIOR TO THE START OF WORK, THE CONTRACTOR MUST SUBMIT ANY PROPOSED CHANGES TO THE WORK ZONE TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL. CHANGE WHICH ALTERS THE BASIC CONCEPT OF THE PLAN MUST BE APPROVED BY THE ENGINEER.
4. ANY INCIDENTAL ADDITIONS OR REVISIONS TO THE 619 STANDARD SHEETS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01 - BASIC WORK ZONE TRAFFIC CONTROL, OR THE APPROPRIATE PAY ITEM AS APPLICABLE.
5. IF THE ENGINEER NOTIFIES THE CONTRACTOR OR THE CONTRACTOR'S SUPERINTENDENT OF ANY HAZARDOUS CONSTRUCTION PRACTICES, ALL OPERATIONS IN THAT AREA SHALL BE DISCONTINUED AND IMMEDIATE REMEDIAL ACTION SHALL BE TAKEN TO THE SATISFACTION OF THE ENGINEER BEFORE WORK IS RESUMED.
6. ON LONG LANE CLOSURES, ADDITIONAL DEVICES (DRUMS, OVERSIZED VERTICAL PANELS, ETC.) SHALL BE PLACED PERPENDICULAR TO TRAFFIC IN THE CLOSED LANE, EVERY 800 FEET. IN ADDITION, ADDITIONAL DEVICES SHALL BE SIMILARLY PLACED IN ADVANCE OF ANY TRANSVERSE DROP-OFF OF 1½ INCHES OR GREATER.
7. THE CONTRACTOR SHALL PLAN AND INCORPORATE ACCESS POINTS INTO THE WORK ZONE SUCH THAT, TO THE EXTENT PRACTICAL, THE CONTRACTOR'S VEHICLES ENTERING AND LEAVING THE WORK ZONE SHALL NOT IMPEDE THE MOVEMENT OF THROUGH TRAFFIC IN THE ADJACENT OPEN LANE(S).
8. NO PRIVATE VEHICLES (OWNED BY THE CONTRACTOR'S EMPLOYEES) SHALL BE PARKED ON THRUWAY PROPERTY, THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL MARSHALL AT AN OFF-SITE YARD AND TRAVEL TO THE WORK SITE IN CONTRACTOR OWNED WORK VEHICLES.
9. CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE REMOVED FROM THE CLEAR ROADSIDE AREA DURING THE HOURS THAT THE CONTRACTOR IS NOT WORKING. THIS REQUIREMENT SHALL NOT BE LIMITED TO THE CONTRACT LIMITS.

1. WORK ZONE TRAFFIC CONTROL FOR NIGHTTIME CONSTRUCTION SHALL BE CONDUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. TO THE EXTENT PROJECT AND TRAFFIC CONDITIONS PERMIT, THE CONTRACTOR SHALL TAKE ADVANTAGE OF DAYLIGHT HOURS BEFORE AND AFTER THE SHIFT AND SETUP AND REMOVAL OF TRAFFIC CONTROLS AS WELL AS OTHER PREPARATIONS AND CLEANUP WORK.
3. ALL ARROW BOARDS USED AT NIGHT SHALL BE PROPERLY DIMMED AS DESCRIBED IN THE MUTCD AND THE STANDARD SPECIFICATIONS TO AVOID GLARE FOR APPROACHING MOTORISTS.
4. NIGHTTIME OPERATIONS, INCLUDING LANE CLOSURES OR OBSTRUCTIONS, WILL BE PERMITTED AS NOTED IN THE "SCHEDULE AND SUSPENSION OF WORK" LOCATED IN THE PROPOSAL.
5. NIGHTTIME LANE CLOSURES SHALL BE LOCATED AWAY FROM OTHER CONFLICT POINTS SUCH AS RAMPS WHENEVER POSSIBLE.
6. THE CONTRACTOR SHALL PROVIDE LIGHTING FOR ALL NIGHTTIME OPERATIONS IN ACCORDANCE WITH ITEM 619.24.
7. THE CONTRACTOR IS ADVISED THAT ILLUMINATION IS TO BE PROVIDED THROUGHOUT THE ENTIRE AREA OF CONSTRUCTION OPERATIONS, WHICH INCLUDES ALL WORK AREAS OCCUPIED BY THE CONTRACTOR'S PERSONNEL (TRUCK STAGING AREAS, CLEAN OUT AREAS, LAYOUT AND MEASUREMENT AHEAD OF ACTUAL WORK, ETC.). ALL SUCH WORK AREA ARE TO BE SHOWN ON THE LIGHTING PLAN SUBMITTED TO THE ENGINEER.

ALTERED ON:		AFFIXED ON: 09/01/2026																																	
SIGNATURE: STAMP:		SIGNATURE: STAMP:																																	
																																			
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ITEM	ASSET NUMBER	ASSET DESCRIPTION	DIVISION	ACTUAL MP	ROUTE	DIRECTION	TDS COMPONENT UPGRADE ITEMS															ADDITIONAL WORK						COMMENTS / CABINET MANUFACTURER (SEE NOTE 2)	AC OR DC
							ANTENNA WITH LEAD	MODEM	(2) TERMINAL STRIP (30 PAIR)	REPAIR NEMA 4X CAB. - DOOR GASKET	NEMA 4X CAB. - NEW DOOR STOP KIT	NEMA 4X CAB. - DUCT SEAL COMPOUND	NEMA 4X CAB. - DOOR CLAMPING HARDWARE	NEMA 4X CAB. - REPLACE LOOP TERMINAL	12V AGM DEEP CYCLE SOLAR BATTERY	FUSE HOLDER (20 AMP)	SOLAR PANEL WITH MOUNTING HARDWARE	TOP OF POLE SOLAR PANEL RACK	(1) TERMINAL BLOCK (6 PAIR)	POWER SUPPLY	CONCRETE PAD AT TDS CABINET	BATTERY BOX	TRAFFIC LOOPS	RESET PULL BOX COVER	TREE REMOVAL	SITE DRAINAGE			
KEY NOTE	D	CC	AA	UU	UU.1	UU.2	UU.3	UU.5	OO	NN	II	QQ	PP	MM															
3108E	TDS-079	3108E TDS - SOLAR (CO-LOCATED W/SWIS-028)	SYR	310.8	I-90	E			1		1						1	1									HAMMOND MANUFACTURING	DC	
3219W	TDS-081	3219W TDS	SYR	321.9	I-90	W																X						HAMMOND MANUFACTURING	DC
3303W	TDS-083	3303W TDS	SYR	330.3	I-90	W											1	1										HAMMOND MANUFACTURING	DC
3375E	TDS-084	3375E TDS - SOLAR (CO-LOCATED W/SWIS-030)	SYR	337.5	I-90	E																X						HAMMOND MANUFACTURING	DC
3541W	TDS-088	3541W TDS - SOLAR	SYR	354.1	I-90	W				1		1																HAMMOND MANUFACTURING	DC
3750E	TDS-091	3750E TDS - SOLAR (CO-LOCATED W/SWIS)	BUF	375	I-90	E						1			2													CONTRACTOR TO VERIFY	DC
3918W	TDS-094	3918W TDS - SOLAR (CO-LOCATED W/SWIS)	BUF	391.8	I-90	W				1		1																HAMMOND MANUFACTURING	DC
3978E	TDS-095	3978E TDS - SOLAR	BUF	397.8	I-90	E				1		1			1													HAMMOND MANUFACTURING	DC
4166E	TDS-215	4166E TDS - AC (CO-LOCATED WITH SWIS-050)	BUF	416.6	I-90	E				1	1																	ENGINEERING COMPANY	AC
4205W	TDS-099	4205W TDS - AC (CO-LOCATED W/ CCTV AND VMS)	BUF	420.5	I-90	W			1	1	1	1	1	1														HAMMOND MANUFACTURING	AC
4211E	TDS-100	4211E TDS - SOLAR	BUF	421.1	I-90	E																X						CONTRACTOR TO VERIFY	DC
4211W	TDS-101	4211W TDS - SOLAR	BUF	421.1	I-90	W									1													CONTRACTOR TO VERIFY	DC
4224E	TDS-102	4224E TDS - SOLAR - PUT ON FIBER	BUF	422.4	I-90	E					1	1					1	1				X						CONTRACTOR TO VERIFY	DC
4224W	TDS-103	4224W TDS - SOLAR - PUT ON FIBER	BUF	422.4	I-90	W						1										X						CONTRACTOR TO VERIFY	DC

X - LOCATION REQUIRES ADDITIONAL WORK
SEE ADDITIONAL PLANS AND DETAILS

ALTERED ON:

AFFIXED ON: 09/01/2026

SIGNATURE: STAMP:



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- NOTES:
- 1. REFER TO DWG. MSD-5 FOR ITEM LIST.
 - 2. CONTRACTOR TO VERIFY CABINET MANUFACTURER PRIOR TO ORDERING REPAIR MATERIAL.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT
REPLACEMENT OF THE TDS EQUIPMENT

LOCATION OF PROJECT
VARIOUS LOCATIONS

TITLE OF DRAWING
MISCELLANEOUS TABLES
TDS COMPONENT UPGRADES

CONTRACT NUMBER:
TAB 26-24
D215111

DATE:
09 / 2026

DRAWING NUMBER:
MST-1

ITEM	ASSET NUMBER	ASSET DESCRIPTION	DIVISION	ACTUAL MP	ROUTE	DIRECTION	TDS COMPONENT UPGRADE ITEMS															ADDITIONAL WORK					COMMENTS / CABINET MANUFACTURER (SEE NOTE 2)	AC OR DC
							D	CC	AA	UU	UU.1	UU.2	UU.3	UU.5	OO	NN	II	QQ	PP	MM	CONCRETE PAD AT TDS CABINET	BATTERY BOX	TRAFFIC LOOPS	RESET PULL BOX COVER	TREE REMOVAL	SITE DRAINAGE		
4246E	TDS-104	4246E TDS - SOLAR - PUT ON FIBER	BUF	424.6	I-90	E				1		1			1	1					X					X	HAMMOND MANUFACTURING	DC
4246W	TDS-105	4246W TDS - SOLAR - PUT ON FIBER	BUF	424.6	I-90	W			1	1	1	1		1							X	X					HAMMOND MANUFACTURING	DC
4256W	TDS-107	4256W TDS - SOLAR - PUT ON FIBER	BUF	425.6	I-90	W						1							1			X					CONTRACTOR TO VERIFY	DC
4268E	TDS-108	4268E TDS - SOLAR - PUT ON FIBER	BUF	426.8	I-90	E						1										X					CONTRACTOR TO VERIFY	AC
4327E	TDS-114	4327E TDS - AC	BUF	432.7	I-90	E					1																CONTRACTOR TO VERIFY	AC
4356W	TDS-115	4356W TDS - SOLAR (CO-LOCATED W/SWIS)	BUF	435.6	I-90	W	1				1	1										X					CONTRACTOR TO VERIFY	DC
4425W	TDS-116	4425W TDS - SOLAR (CO-LOCATED W/SWIS-037)	BUF	442.5	I-90	W				1	1																CONTRACTOR TO VERIFY	DC
4426E	TDS-117	4426E TDS - SOLAR	BUF	442.6	I-90	E	1				1																CONTRACTOR TO VERIFY	DC
4470W	TDS-118	4470W TDS - SOLAR	BUF	447	I-90	W	1				1	1													X		HAMMOND MANUFACTURING	DC
4472E	TDS-119	4472E TDS - SOLAR	BUF	447.2	I-90	E	1			1		1										X					HAMMOND MANUFACTURING	DC
4565E	TDS-120	4565E TDS - SOLAR	BUF	456.5	I-90	E	1															X					CONTRACTOR TO VERIFY	DC
4565W	TDS-121	4565W TDS - SOLAR	BUF	456.5	I-90	W	1		1	1									1								HAMMOND MANUFACTURING	DC
4682W	TDS-122	4682W TDS - SOLAR (CO-LOCATED W/SWIS-038)	BUF	468.2	I-90	W	1	1			1																CONTRACTOR TO VERIFY	DC
4782E	TDS-123	4782E TDS - SOLAR	BUF	478.2	I-90	E	1	1		1			1											X			HAMMOND MANUFACTURING	DC
4859W	TDS-124	4859W TDS - SOLAR (CO-LOCATED W/SWIS-039)	BUF	485.9	I-90	W	1			1	1	1	1										X				HAMMOND MANUFACTURING	DC

X - LOCATION REQUIRES ADDITIONAL WORK
SEE ADDITIONAL PLANS AND DETAILS

ALTERED ON:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.





TITLE OF PROJECT
REPLACEMENT OF THE TDS EQUIPMENT

LOCATION OF PROJECT
VARIOUS LOCATIONS

TITLE OF DRAWING
MISCELLANEOUS TABLES
TDS COMPONENT UPGRADES

CONTRACT NUMBER:
TAB 26-24
D215111

DATE:
09 / 2026

DRAWING NUMBER:
MST-2

- NOTES:
- REFER TO DWG. MSD-5 FOR ITEM LIST.
 - CONTRACTOR TO VERIFY CABINET MANUFACTURER PRIOR TO ORDERING REPAIR MATERIAL.

ITEM	ASSET NUMBER	ASSET DESCRIPTION	DIVISION	ACTUAL MP	ROUTE	DIRECTION	TDS COMPONENT UPGRADE ITEMS													ADDITIONAL WORK						COMMENTS / CABINET MANUFACTURER (SEE NOTE 2)	AC OR DC
							D	CC	AA	UU	UU.1	UU.2	UU.3	UU.5	OO	NN	II	QQ	PP	MM	CONCRETE PAD AT TDS CABINET	BATTERY BOX	TRAFFIC LOOPS	RESET PULL BOX COVER	TREE REMOVAL	SITE DRAINAGE	
4932E	TDS-125	4932E TDS - SOLAR (CO-LOCATED W/SWIS-040)	BUF	493.2	I-90	E				1	1															CONTRACTOR TO VERIFY	DC
9001S	TDS-137	9001S TDS - SOLAR - PUT ON FIBER	BUF	0.1	I-190	S						1			1								X			HAMMOND MANUFACTURING	DC
9011N	TDS-139	9011N TDS - SOLAR	BUF	1.1	I-190	N						1									X		X		X	HAMMOND MANUFACTURING	DC
9011S	TDS-140	9011S TDS - SOLAR	BUF	1.1	I-190	S				1																HAMMOND MANUFACTURING	DC
9021N	TDS-141	9021N TDS - SOLAR	BUF	2.1	I-190	N													1	1						CONTRACTOR TO VERIFY	DC
9023S	TDS-142	9023S TDS - SOLAR (CO-LOCATED W/ CCTV-107)	BUF	2.3	I-190	S					1															CONTRACTOR TO VERIFY	AC
9027S	TDS-143	9027S TDS - AC (CO-LOCATED W/ VMS)	BUF	2.7	I-190	S					1															CONTRACTOR TO VERIFY	DC
9030N	TDS-144	9030N TDS - SOLAR	BUF	3	I-190	N				1	1	1										X				HAMMOND MANUFACTURING	DC
9032S	TDS-145	9032S TDS - SOLAR	BUF	3.2	I-190	S					1	1														HAMMOND MANUFACTURING	DC
9035N	TDS-146	9035N TDS - SOLAR	BUF	3.5	I-190	N												1	1			X				CONTRACTOR TO VERIFY	DC
9041N	TDS-147	9041N TDS - SOLAR	BUF	4.1	I-190	N				1													X			HAMMOND MANUFACTURING	DC
9042S	TDS-148	9042S TDS - SOLAR	BUF	4.2	I-190	S					1	1										X			X	HAMMOND MANUFACTURING	DC
9062N	TDS-149	9062N TDS - AC (CO-LOCATED W/ VMS)	BUF	6.2	I-190	N				1		1	1													HAMMOND MANUFACTURING	AC

X - LOCATION REQUIRES ADDITIONAL WORK
SEE ADDITIONAL PLANS AND DETAILS

ALTERED ON:

AFFIXED ON: 09/01/2026

SIGNATURE:
STAMP:



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISIONS			
DATE	DESCRIPTION	BY	SYM.





TITLE OF PROJECT
REPLACEMENT OF THE TDS EQUIPMENT

LOCATION OF PROJECT
VARIOUS LOCATIONS

TITLE OF DRAWING
MISCELLANEOUS TABLES
TDS COMPONENT UPGRADES

CONTRACT NUMBER:
TAB 26-24
D215111

DATE:
09 / 2026

DRAWING NUMBER:
MST-3

- NOTES:
- REFER TO DWG. MSD-5 FOR ITEM LIST.
 - CONTRACTOR TO VERIFY CABINET MANUFACTURER PRIOR TO ORDERING REPAIR MATERIAL.

ITEM	ASSET NUMBER	ASSET DESCRIPTION	DIVISION	ACTUAL MP	ROUTE	DIRECTION	TDS COMPONENT UPGRADE ITEMS													ADDITIONAL WORK						COMMENTS / CABINET MANUFACTURER (SEE NOTE 2)	AC OR DC		
							D	CC	AA	UU	UU.1	UU.2	UU.3	UU.5	OO	NN	II	QQ	PP	MM	CONCRETE PAD AT TDS CABINET	BATTERY BOX	TRAFFIC LOOPS	RESET PULL BOX COVER	TREE REMOVAL			SITE DRAINAGE	
9064S	TDS-150	9064S TDS - AC (CO-LOCATED W/ VMS)	BUF	6.4	I-190	S				1			8															HAMMOND MANUFACTURING	AC
9073N	TDS-151	9073N TDS - SOLAR	BUF	7.3	I-190	N			1	1		1							1									HAMMOND MANUFACTURING	DC
9082S	TDS-152	9082S TDS - SOLAR (CO-LOCATED W/ CCTV-111)	BUF	8.2	I-190	S						1																HAMMOND MANUFACTURING	DC
9088N	TDS-153	9088N TDS - SOLAR	BUF	8.8	I-190	N						1																HAMMOND MANUFACTURING	DC
9093N	TDS-154	9093N TDS - SOLAR	BUF	9.3	I-190	N				1									1									HAMMOND MANUFACTURING	DC
9108S	TDS-156	9108S TDS - AC (CO-LOCATED W/VMS AND SWIS)	BUF	10.8	I-190	S				1																		HAMMOND MANUFACTURING	AC
9123N	TDS-157	9123N TDS - SOLAR	BUF	12.3	I-190	N				1	1	1			1	1												ENGINEERING COMPANY	DC
9130S	TDS-158	9130S TDS - SOLAR	BUF	13	I-190	S						1																CONTRACTOR TO VERIFY	DC
9135N	TDS-159	9135N TDS - SOLAR	BUF	13.5	I-190	N					1																	CONTRACTOR TO VERIFY	DC
9151N	TDS-161	9151N TDS - SOLAR	BUF	15.1	I-190	N				1		1			1													HAMMOND MANUFACTURING	DC
9165S	TDS-164	9165S TDS - SOLAR	BUF	16.5	I-190	S				1		1																HAMMOND MANUFACTURING	DC
9184N	TDS-165	9184N TDS - SOLAR	BUF	18.4	I-190	N				1		1														X		HAMMOND MANUFACTURING	DC
9184S	SWIS-043	9184S SWIS - SOLAR (CO-LOCATED W/ TDS)	BUF	18.4	I-190	S				1		1	1													X		HAMMOND MANUFACTURING	DC
PROJECT TOTALS:							9	2	5	26	20	30	13	2	8	2	7	7	5	1									

X - LOCATION REQUIRES ADDITIONAL WORK
 SEE ADDITIONAL PLANS AND DETAILS

ALTERED ON:

AFFIXED ON: 09/01/2026

SIGNATURE:
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT
 REPLACEMENT OF THE TDS EQUIPMENT

LOCATION OF PROJECT
 VARIOUS LOCATIONS

TITLE OF DRAWING
**MISCELLANEOUS TABLES
TDS COMPONENT UPGRADES**

CONTRACT NUMBER:
 TAB 26-24
D215111

DATE:
 09 / 2026

DRAWING NUMBER:
MST-4

- NOTES:
- REFER TO DWG. MSD-5 FOR ITEM LIST.
 - CONTRACTOR TO VERIFY CABINET MANUFACTURER PRIOR TO ORDERING REPAIR MATERIAL.

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CHECKED BY: A. LIN

DRAFTED BY: M. DAVIDSON

CHECKED BY: A. LIN

DESIGNED BY: J. VAUGHN

DESIGN SUPERVISOR: J. JOHNS

RESETTING ELECTRICAL PULLBOX COVER									
ITEM	ASSET NUMBER	ASSET DESCRIPTION	DIVISION	ACTUAL MP	ROUTE	DIRECTION	670.14480010 EA	670.14480011 EA	COMMENTS
3219W	TDS-081	3219W TDS	SYR	321.9	I-90	W	1		UPGRADES SITE
9093N	TDS-154	9093N TDS - SOLAR	BUF	9.3	I-190	N		1	UPGRADES SITE
TOTAL:							1	1	
ITEM NUMBER		DESCRIPTION							UNIT
670.14480010		RESETTING ELECTRIC PULLBOX COVERS AND FRAMES							EA
670.14480011		REPLACE EXISTING ELECTRIC PULLBOX FRAMES AND COVERS							EA

TABLE OF TREE REMOVAL									
ITEM	ASSET NUMBER	ASSET DESCRIPTION	DIVISION	ACTUAL MP	ROUTE	DIRECTION	201.07000004 SY	614.0441 EA	614.060104 EA
4782E	TDS-123	4782E TDS - SOLAR	BUF	478.2	I-90	E	10		
9011N	TDS-139	9011N TDS - SOLAR	BUF	1.1	I-190	N	10		
9042S	TDS-148	9042S TDS - SOLAR	BUF	4.2	I-190	S	10		5
9073N	TDS-151	9073N TDS - SOLAR	BUF	7.3	I-190	N	10	1	
TOTAL:							40	1	5
ITEM NUMBER		DESCRIPTION							UNIT
201.07000004		CLEARING AND GRUBBING							SY
614.0441		CARE OF TREES OVER 36 TO 48 INCHES DIAMETER AT BREAST HEIGHT PRUNING							EA
614.060104		TREE REMOVAL OVER 4 INCHES TO 6 INCHES DIAMETER BREAST HEIGHT - STUMPS GRUBBED							EA

TABLE OF INDUCTANCE LOOPS								
ITEM	ASSET NUMBER	ASSET DESCRIPTION	DIVISION	ACTUAL MP	ROUTE	DIRECTION	680.58400025 EA	COMMENTS
4859W	TDS-124	4859W TDS - SOLAR (CO-LOCATED W/SWIS-039)	BUF	485.9	I-90	W	4	UPGRADES SITE
9001S	TDS-137	9001S TDS - SOLAR - PUT ON FIBER	BUF	0.1	I-190	S	4	UPGRADES SITE
9011N	TDS-139	9011N TDS - SOLAR	BUF	1.1	I-190	N	6	UPGRADES SITE
9041N	TDS-147	9041N TDS - SOLAR	BUF	4.1	I-190	N	6	UPGRADES SITE
9073N	TDS-151	9073N TDS - SOLAR	BUF	7.3	I-190	N	4	UPGRADES SITE
9082S	TDS-152	9082S TDS - SOLAR (CO-LOCATED W/ CCTV-111)	BUF	8.2	I-190	S	4	UPGRADES SITE
9088N	TDS-153	9088N TDS - SOLAR	BUF	8.8	I-190	N	4	UPGRADES SITE
9108S	TDS-156	9108S TDS - AC (CO-LOCATED W/VMS AND SWIS)	BUF	10.8	I-190	S	4	UPGRADES SITE
9151N	TDS-161	9151N TDS - SOLAR	BUF	15.1	I-190	N	6	UPGRADES SITE
TOTAL:							42	
ITEM NUMBER		DESCRIPTION						UNIT
680.58400025		PERFORMED INDUCTANCE LOOP DETECTOR (CUT-IN APPLICATION) INSTALLATION						EA

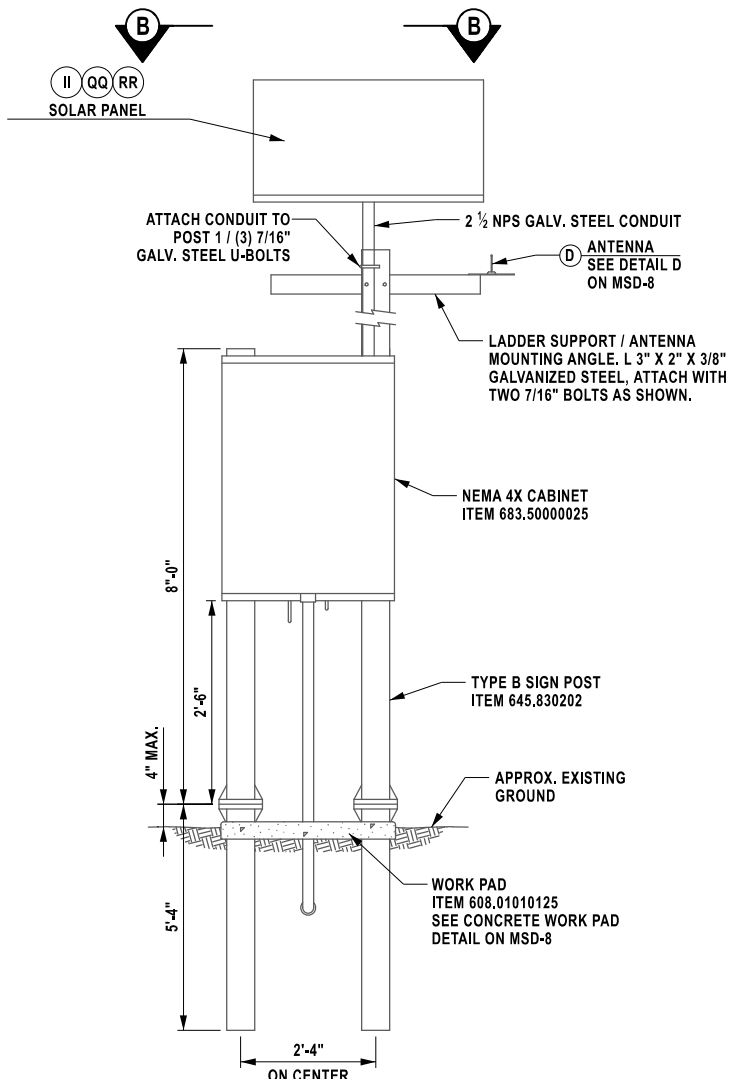
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

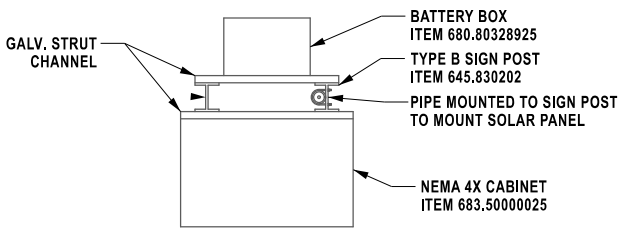
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	LOCATION OF PROJECT VARIOUS LOCATIONS	DATE: 09 / 2026
	TITLE OF DRAWING MISCELLANEOUS TABLES	DRAWING NUMBER: MST-5

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 CHECKED BY: A. LIN
 DRAFTED BY: M. DAVIDSON
 CHECKED BY: A. LIN
 DESIGNED BY: J. VAUGHN
 DESIGN SUPERVISOR: J. JOHNS



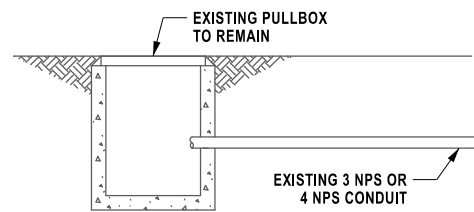
FRONT ELEVATION

N.T.S.

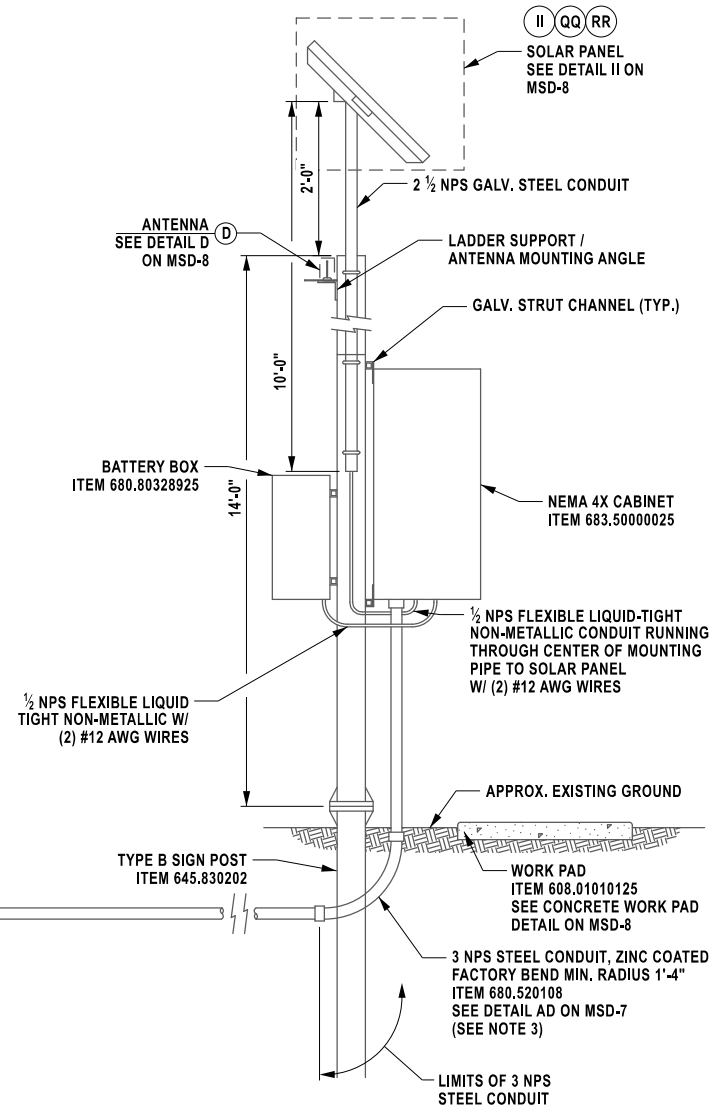


B-B

N.T.S.



EXISTING 3 NPS OR 4 NPS CONDUIT



NOTES:

1. DETAILS REPRESENT A STANDARD SOLAR TDS SITE. REFER TO MISCELLANEOUS TABLES FOR WORK TO BE PERFORMED AT EACH LOCATION.
2. HARDWARE TO ATTACH STRUT CHANNEL TO POSTS AND CABINETS TO STRUT CHANNEL SHALL BE 7/16" DIA., GALVANIZED.
3. BID PRICE FOR EXCAVATION, BACKFILL, AND SURFACE RESTORATION SHALL BE INCLUDED IN ITEM 680.520108.

SIDE ELEVATION
SOLAR, TYPE B POST MOUNT
N.T.S.

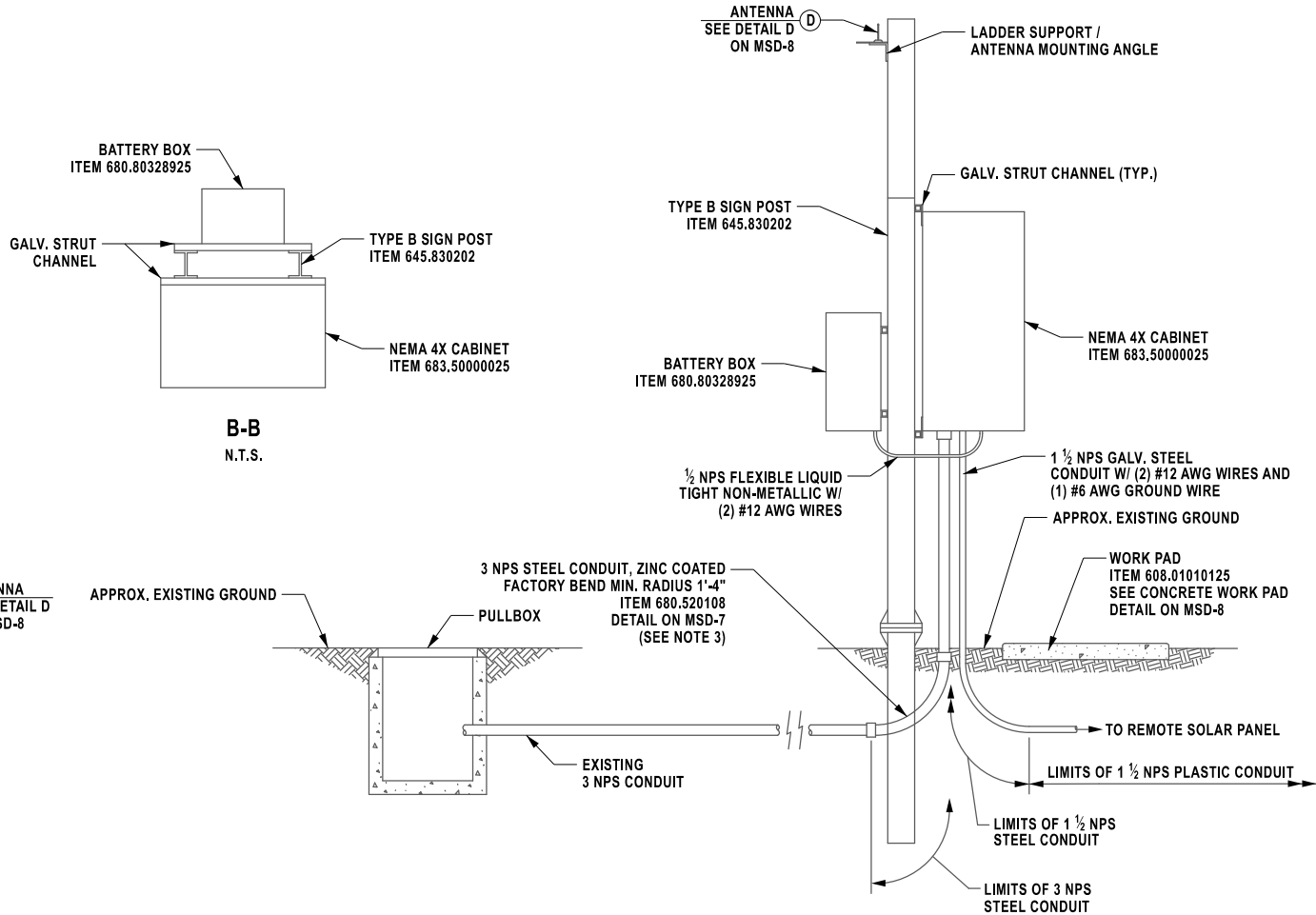
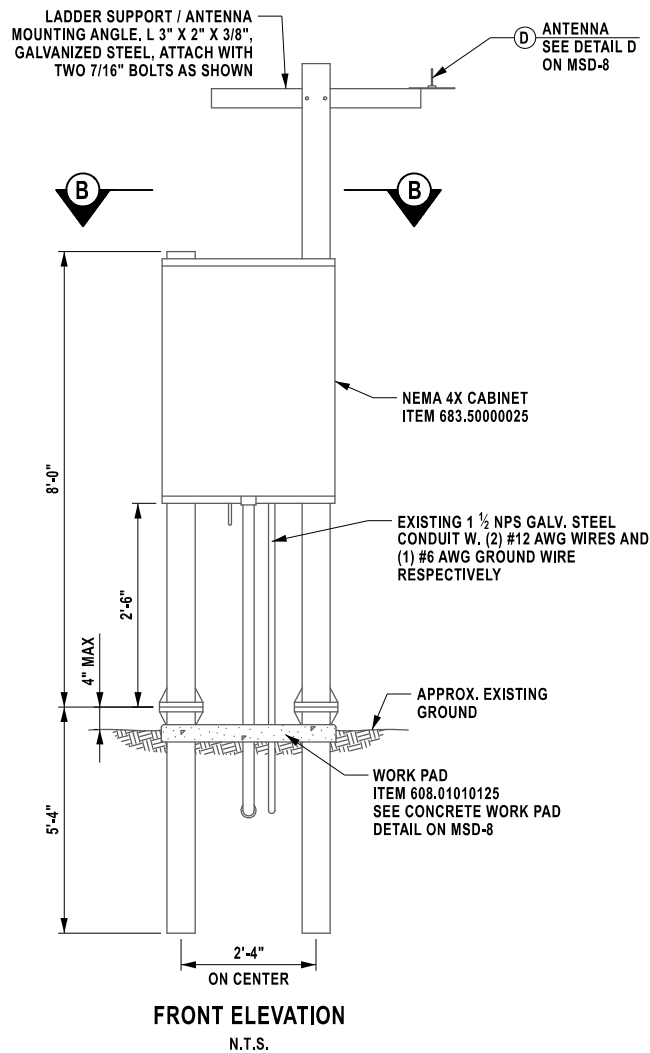
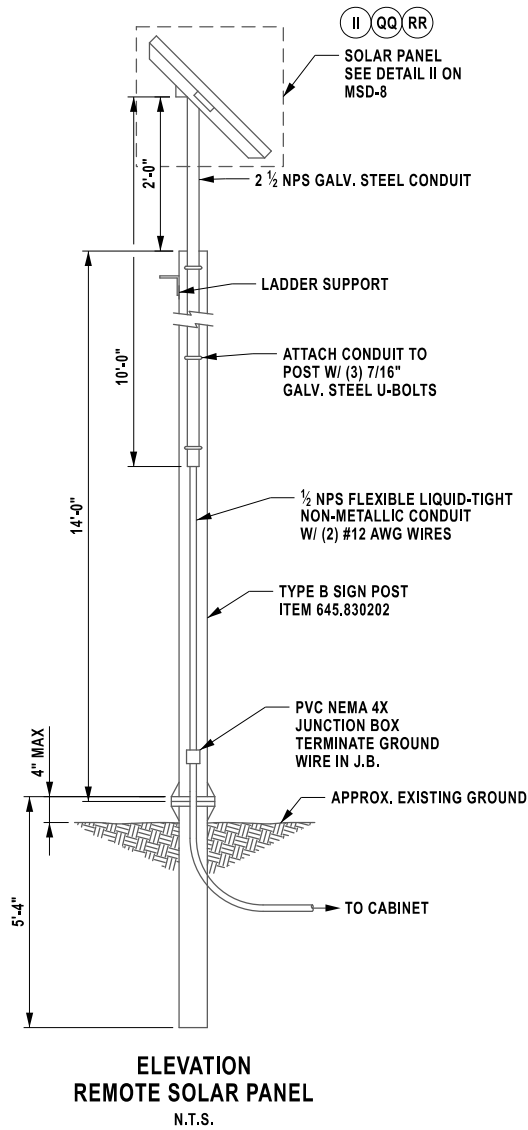
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT REPLACEMENT OF THE TDS EQUIPMENT	CONTRACT NUMBER: TAB 26-24 D215111
	LOCATION OF PROJECT VARIOUS LOCATIONS	DATE: 09 / 2026
	TITLE OF DRAWING MISCELLANEOUS DETAILS	DRAWING NUMBER: MSD-1

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 DRAFTED BY: M. DAVIDSON
 CHECKED BY: A. LIN
 DESIGNED BY: J. VAUGHN
 DESIGN SUPERVISOR: J. JOHNS



- NOTES:
1. DETAILS REPRESENT A STANDARD SOLAR TDS SITE. REFER TO MISCELLANEOUS TABLES FOR WORK TO BE PERFORMED AT EACH LOCATION.
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SIDE ELEVATION
REMOTE SOLAR, TYPE B POST MOUNT
N.T.S.

LEGEND

(X) KEYNOTE
(SEE MISCELLANEOUS TABLES)

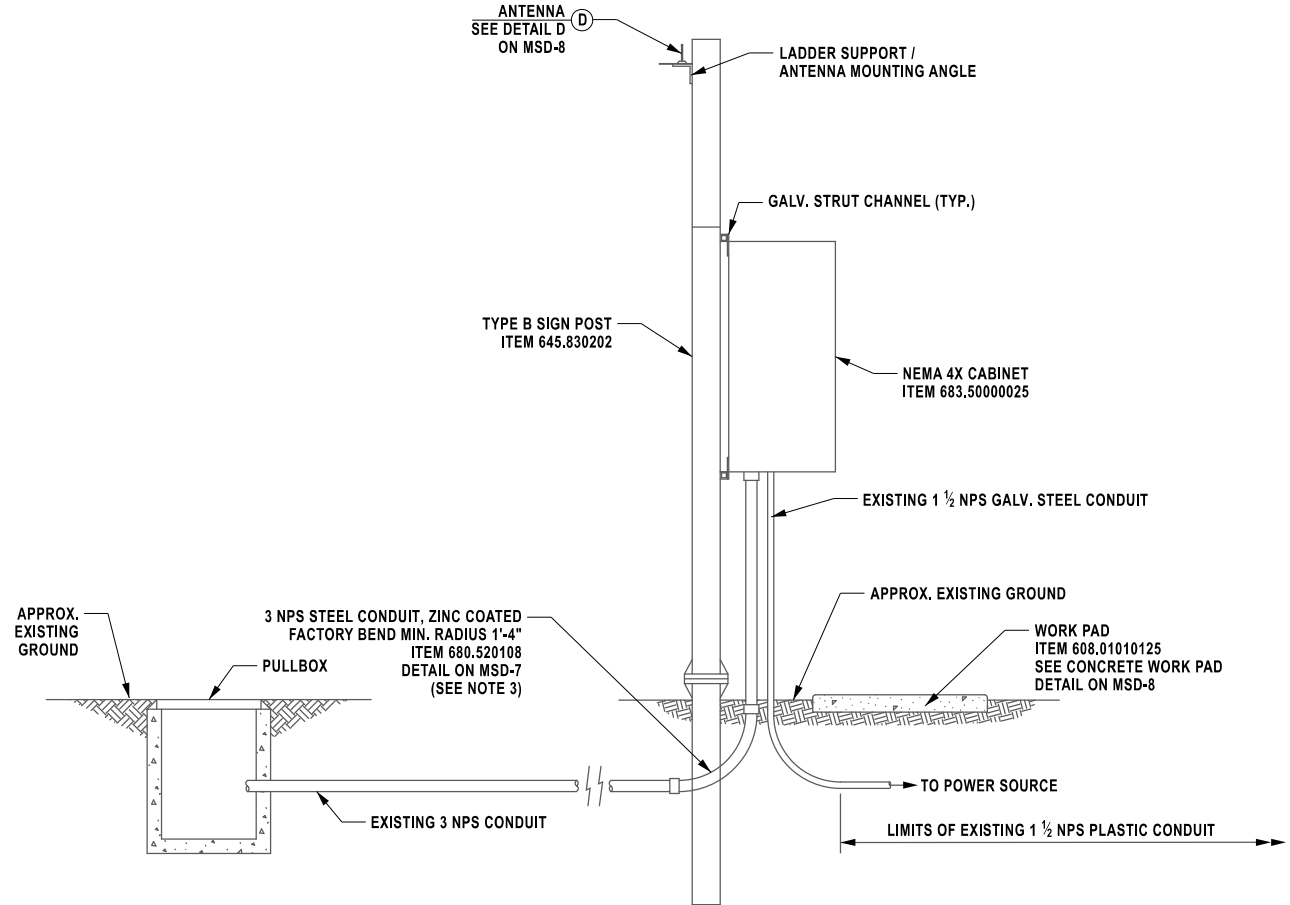
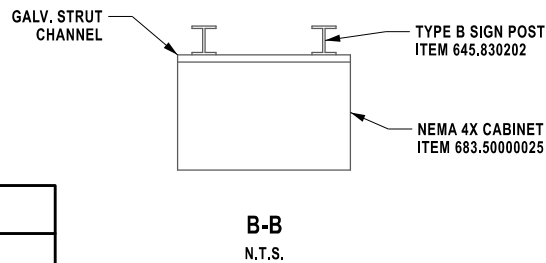
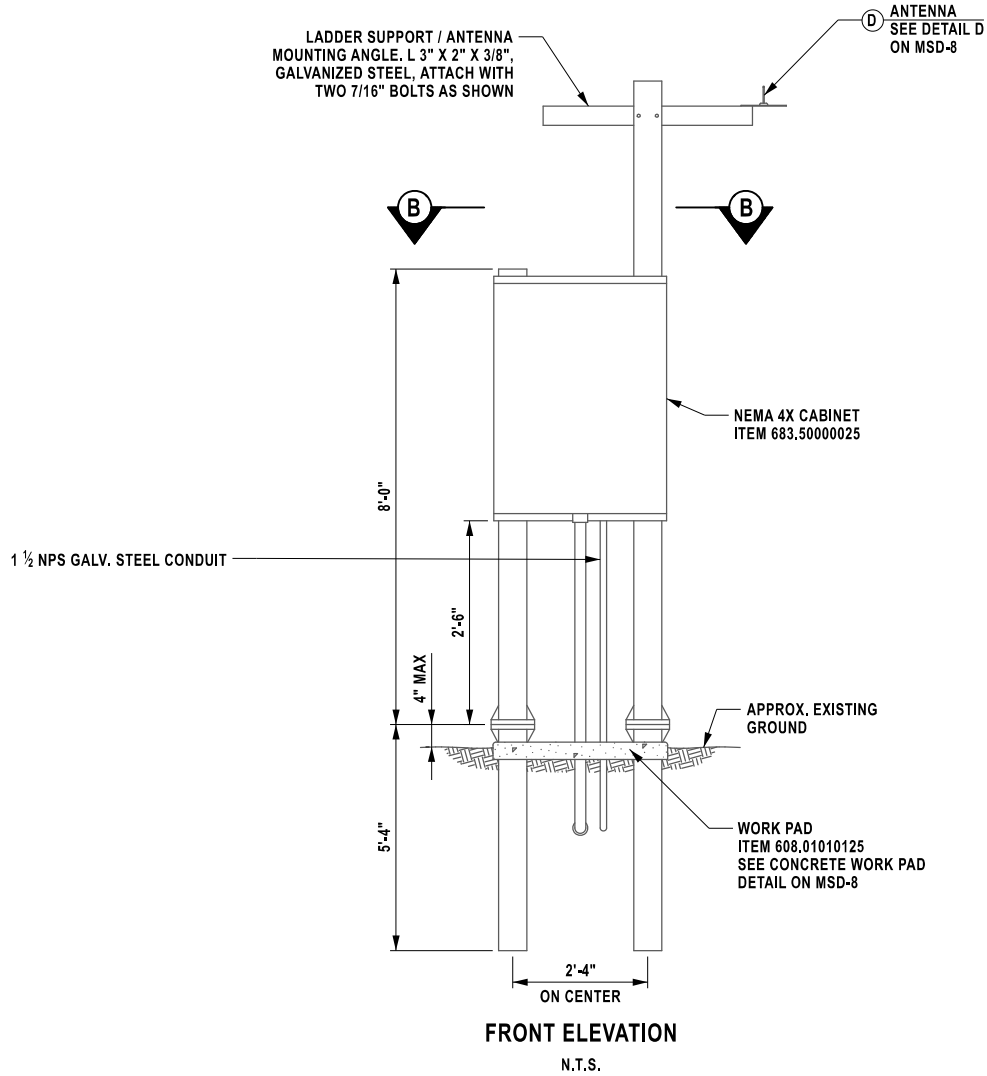
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT REPLACEMENT OF THE TDS EQUIPMENT	CONTRACT NUMBER: TAB 26-24 D215111
	LOCATION OF PROJECT VARIOUS LOCATIONS	DATE: 09 / 2026
TITLE OF DRAWING MISCELLANEOUS DETAILS		DRAWING NUMBER: MSD-2

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 DRAFTED BY: M. DAVIDSON
 CHECKED BY: A. LIN
 DESIGNED BY: J. VAUGHN
 DESIGN SUPERVISOR: J. JOHNS



- NOTES:
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 2. HARDWARE TO ATTACH STRUT CHANNEL TO POSTS AND CABINETS TO STRUT CHANNEL SHALL BE 7/16" DIA., GALVANIZED.
 3. BID PRICE FOR EXCAVATION, BACKFILL, AND SURFACE RESTORATION SHALL BE INCLUDED IN ITEM 680.520108

SIDE ELEVATION
A-C, TYPE B POST MOUNT
N.T.S.

LEGEND

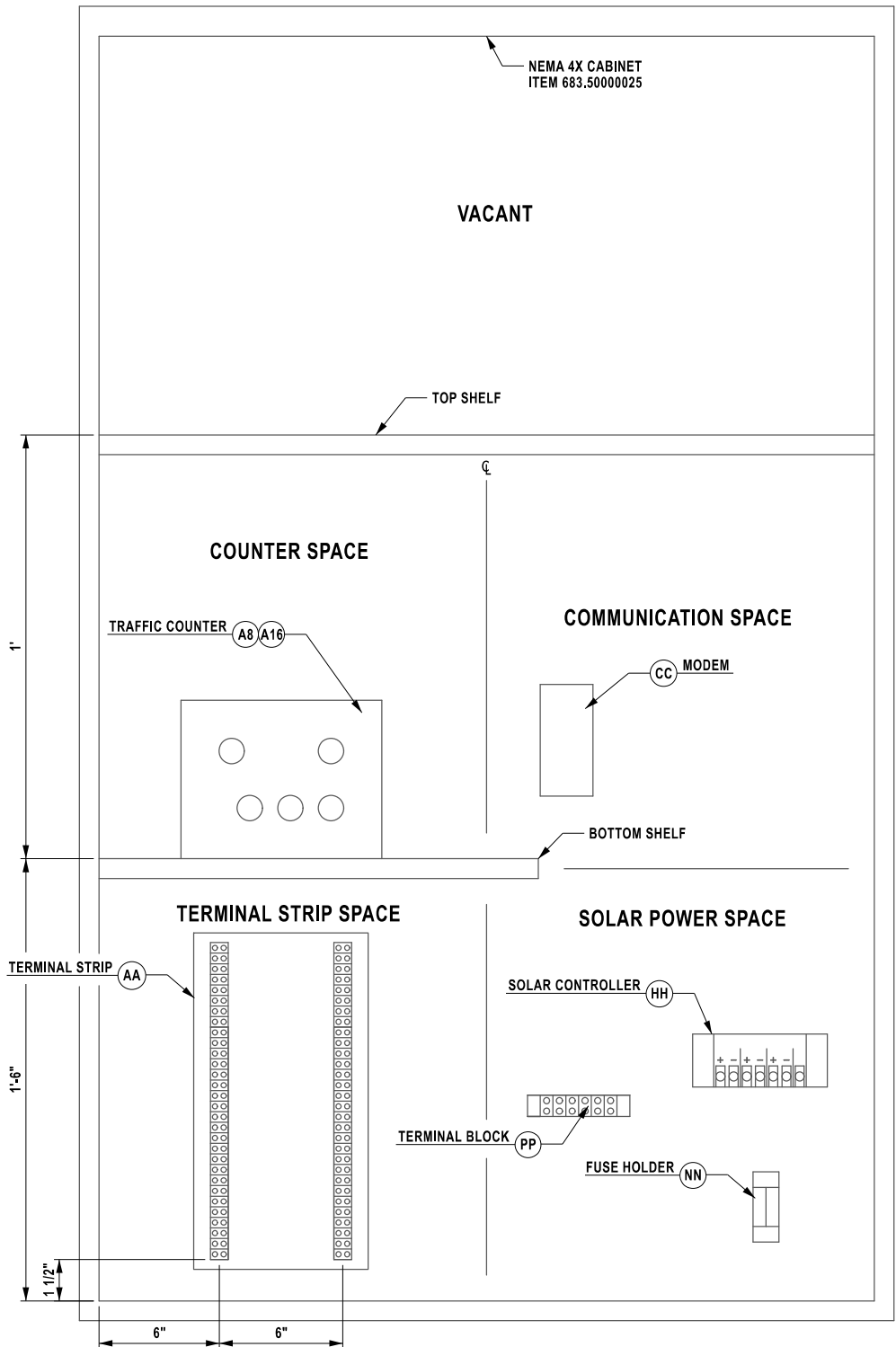
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(SEE MISCELLANEOUS TABLES)

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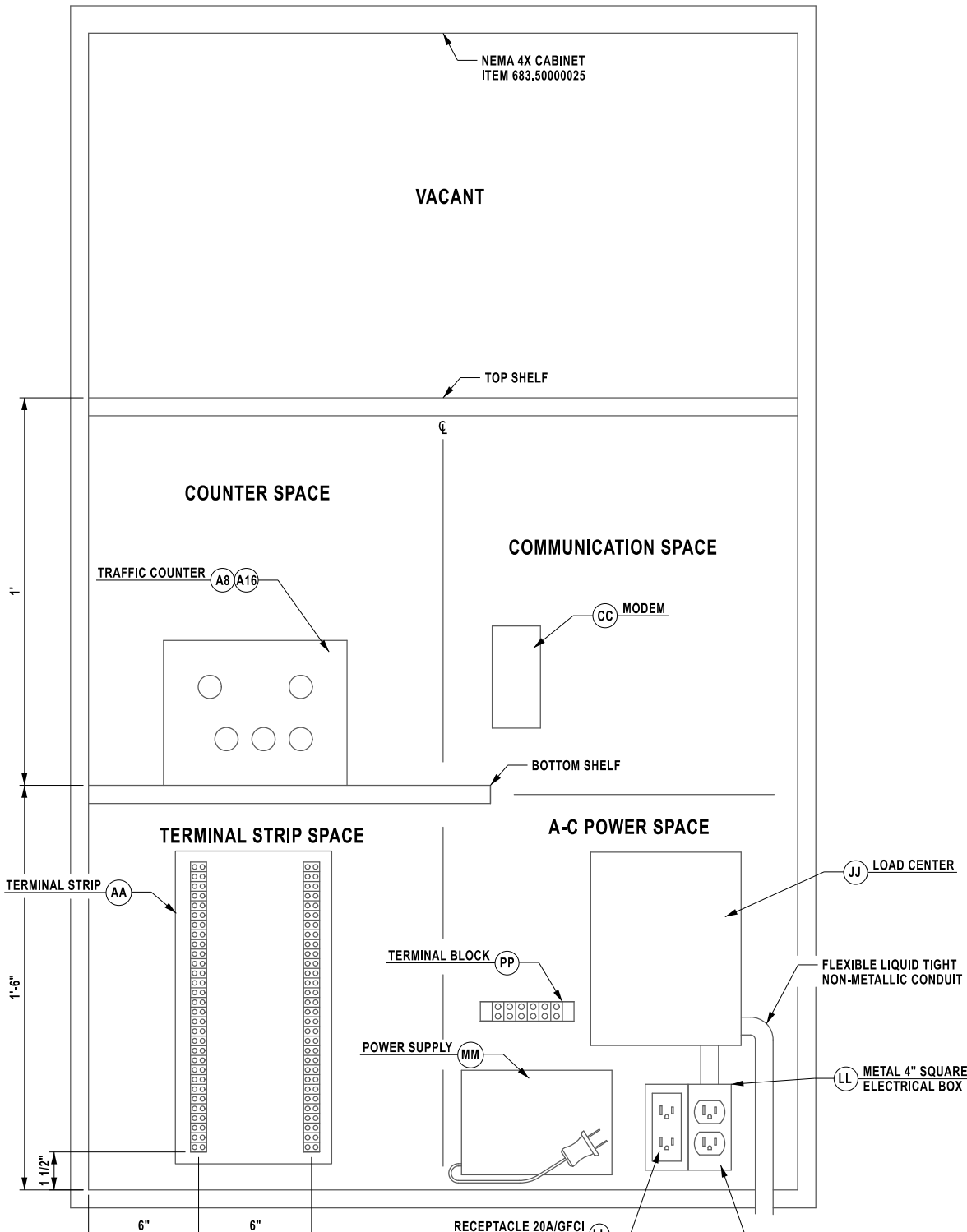
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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT REPLACEMENT OF THE TDS EQUIPMENT	CONTRACT NUMBER: TAB 26-24 D215111
	LOCATION OF PROJECT VARIOUS LOCATIONS	DATE: 09 / 2026
TITLE OF DRAWING MISCELLANEOUS DETAILS		DRAWING NUMBER: MSD-3



CABINET LAYOUT, SOLAR POWER
N.T.S.



CABINET LAYOUT, AC POWER
N.T.S.

NOTE:
DETAILS REPRESENT A STANDARD CABINET LAYOUT.
REFER TO MISCELLANEOUS TABLES FOR WORK TO
BE PERFORMED AT EACH LOCATION.

LEGEND
(X) KEYNOTE
(SEE MISCELLANEOUS TABLES)



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REVISIONS			
DATE	DESCRIPTION	BY	SYM.



TITLE OF PROJECT REPLACEMENT OF THE TDS EQUIPMENT	CONTRACT NUMBER: TAB 26-24 D215111
LOCATION OF PROJECT VARIOUS LOCATIONS	DATE: 09 / 2026
TITLE OF DRAWING MISCELLANEOUS DETAILS	DRAWING NUMBER: MSD-4

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CHECKED BY: A. LIN

DRAFTED BY: M. DAVIDSON

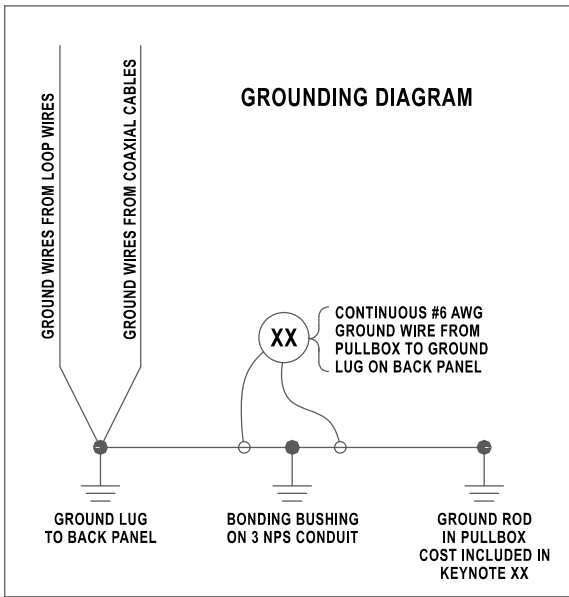
CHECKED BY: A. LIN

DESIGNED BY: J. VAUGHN

DESIGN SUPERVISOR: J. JOHNS

KEYNOTE	DESCRIPTION	COMPONENT UPGRADE ITEM
A8	TRAFFIC COUNTER - 8 CHANNEL	---
A16	TRAFFIC COUNTER - 16 CHANNEL	---
B	LOOP HARNESS	---
C	COMBINED SERIAL COMMUNICATIONS WITH LEAD	---
D	CELLULAR ANTENNA WITH LEAD	683.11000525
E	VOLTAGE REGULATOR (THRUWAY SUPPLIED)	---
AA	(2) TERMINAL STRIP (30 PAIR)	683.11000725
BB	TRAFFIC LOOPS	680.58400025
CC	MODEM	683.11000825
DD	MODEM POWER SUPPLY CABLE	---
EE	POWER SURGE PROTECTION	---
FF	12 AWG THHN WIRE (RED)	---
GG	12 AWG THHN WIRE (BLACK)	---
HH	SOLAR CONTROLLER	---
II	SOLAR PANEL WITH MOUNTING HARDWARE	683.11001425
JJ	LOAD CENTER	---
KK	METAL 4" SQUARE ELECTRICAL BOX	---
LL	RECEPTACLES (20 A/GFC & 20A)	---

KEYNOTE	DESCRIPTION	COMPONENT UPGRADE ITEM
MM	POWER SUPPLY	683.11001825
NN	FUSE HOLDER (20 AMP)	683.11001925
OO	12V AGM DEEP CYCLE SOLAR BATTERY	683.11002025
PP	(1) TERMINAL BLOCK (6 PAIR)	683.11002125
QQ	TOP OF POLE SOLAR PANEL RACK	683.11002225
RR	SIDE OF POLE SOLAR PANEL RACK	---
SS	DC POWER CABLE	---
TT	MODEM CONNECTION CABLE	---
UU	REPAIR NEMA 4X CABINET - DOOR GASKET	683.11002625
UU.1	NEMA 4X CABINET - NEW DOOR STOP KIT	683.11002725
UU.2	NEMA 4X CABINET - DUCT SEAL COMPOUND	683.11002825
UU.3	NEMA 4X CABINET - DOOR CLAMPING HARDWARE	683.11002925
UU.5	NEMA 4X CABINET - REPLACE LOOP TERMINAL	683.11003125
VV	NOT USED	---
WW	NOT USED	---
XX	#6 AWG GROUND WIRE	---
YY	SWIS UPGRADES - PAVEMENT TEMP SENSOR	---
YY.1	SWIS UPGRADES - AIR TEMP / HUMIDITY SENSOR	---



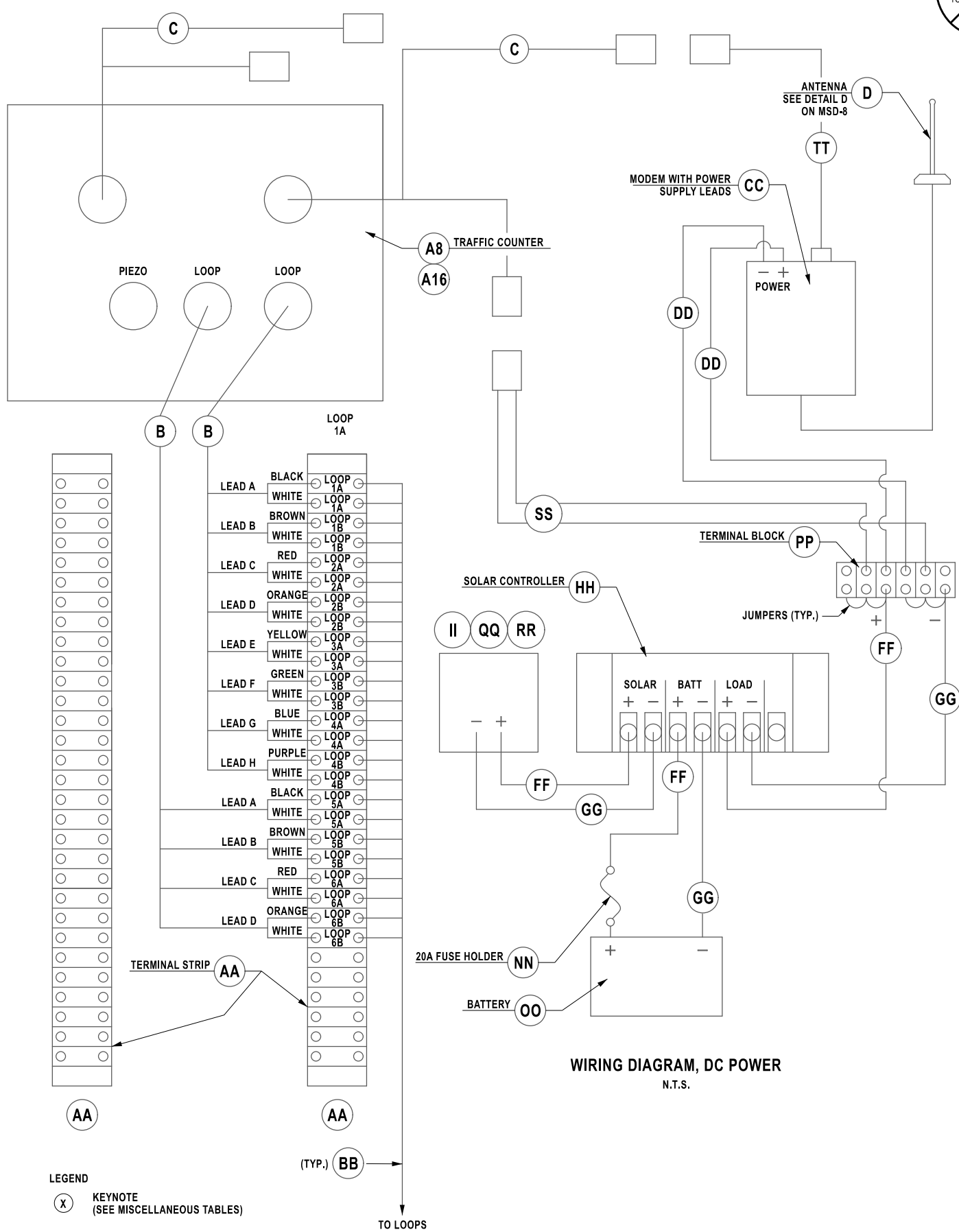
WIRING DIAGRAM, DC POWER

NOTE:
1. DETAILS REPRESENT A STANDARD CABINET LAYOUT.
REFER TO MISCELLANEOUS TABLES FOR WORK
TO BE PERFORMED AT EACH LOCATION.

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

 	TITLE OF PROJECT REPLACEMENT OF THE TDS EQUIPMENT	CONTRACT NUMBER: TAB 26-24 D215111
	LOCATION OF PROJECT VARIOUS LOCATIONS	DATE: 09 / 2026
	TITLE OF DRAWING MISCELLANEOUS DETAILS	DRAWING NUMBER: MSD-5



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CHECKED BY: A. LIN

DRAFTED BY: M. DAVIDSON

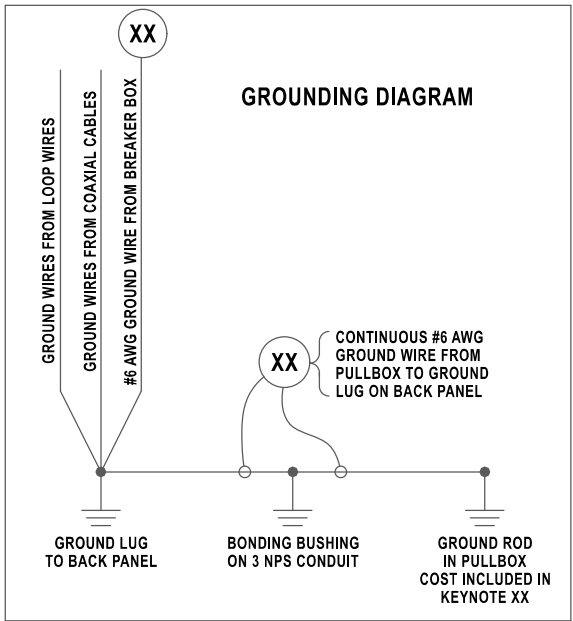
CHECKED BY: A. LIN

DESIGNED BY: J. VAUGHN

DESIGN SUPERVISOR: J. JOHNS

KEYNOTE	DESCRIPTION	COMPONENT UPGRADE ITEM
A8	TRAFFIC COUNTER - 8 CHANNEL	---
A16	TRAFFIC COUNTER - 16 CHANNEL	---
B	LOOP HARNESS	---
C	COMBINED SERIAL COMMUNICATIONS WITH LEAD	---
D	CELLULAR ANTENNA WITH LEAD	683.11000525
E	VOLTAGE REGULATOR (THRUWAY SUPPLIED)	---
AA	(2) TERMINAL STRIP (30 PAIR)	683.11000725
BB	TRAFFIC LOOPS	680.58400025
CC	MODEM	683.11000825
DD	MODEM POWER SUPPLY CABLE	---
EE	POWER SURGE PROTECTION	---
FF	12 AWG THHN WIRE (RED)	---
GG	12 AWG THHN WIRE (BLACK)	---
HH	SOLAR CONTROLLER	---
II	SOLAR PANEL WITH MOUNTING HARDWARE	683.11001425
JJ	LOAD CENTER	---
KK	METAL 4" SQUARE ELECTRICAL BOX	---
LL	RECEPTACLES (20 A/GFC & 20A)	---

KEYNOTE	DESCRIPTION	COMPONENT UPGRADE ITEM
MM	POWER SUPPLY	683.11001825
NN	FUSE HOLDER (20 AMP)	683.11001925
OO	12V AGM DEEP CYCLE SOLAR BATTERY	683.11002025
PP	(1) TERMINAL BLOCK (6 PAIR)	683.11002125
QQ	TOP OF POLE SOLAR PANEL RACK	683.11002225
RR	SIDE OF POLE SOLAR PANEL RACK	---
SS	DC POWER CABLE	---
TT	MODEM CONNECTION CABLE	---
UU	REPAIR NEMA 4X CABINET - DOOR GASKET	683.11002625
UU.1	NEMA 4X CABINET - NEW DOOR STOP KIT	683.11002725
UU.2	NEMA 4X CABINET - DUCT SEAL COMPOUND	683.11002825
UU.3	NEMA 4X CABINET - DOOR CLAMPING HARDWARE	683.11002925
UU.5	NEMA 4X CABINET - REPLACE LOOP TERMINAL	683.11003125
VV	NOT USED	---
WW	NOT USED	---
XX	#6 AWG GROUND WIRE	---
YY	SWIS UPGRADES - PAVEMENT TEMP SENSOR	---
YY.1	SWIS UPGRADES - AIR TEMP / HUMIDITY SENSOR	---



WIRING DIAGRAM, AC POWER

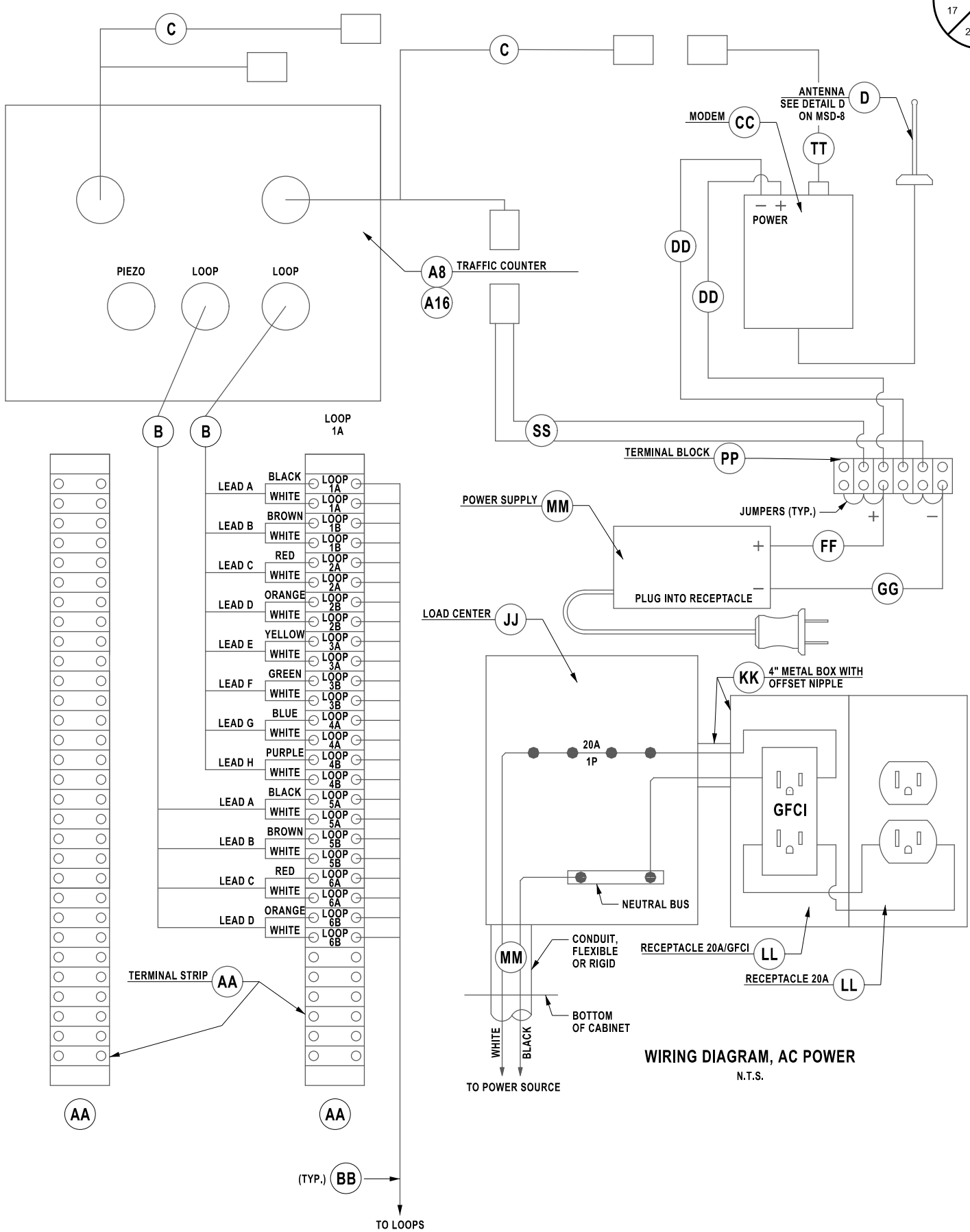
NOTE:
1. DETAILS REPRESENT A STANDARD CABINET LAYOUT.
REFER TO MISCELLANEOUS TABLES FOR WORK
TO BE PERFORMED AT EACH LOCATION.

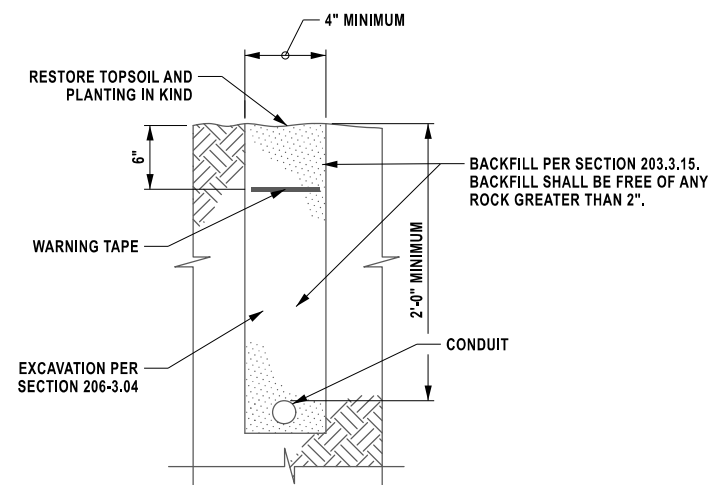
X KEYNOTE
(SEE MISCELLANEOUS TABLES)

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

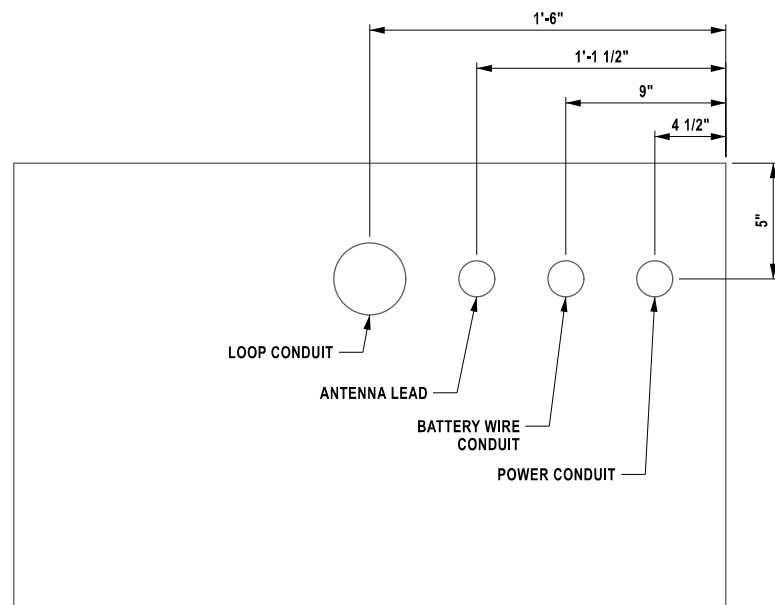
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	LOCATION OF PROJECT VARIOUS LOCATIONS	DATE: 09 / 2026
	TITLE OF DRAWING MISCELLANEOUS DETAILS	DRAWING NUMBER: MSD-6





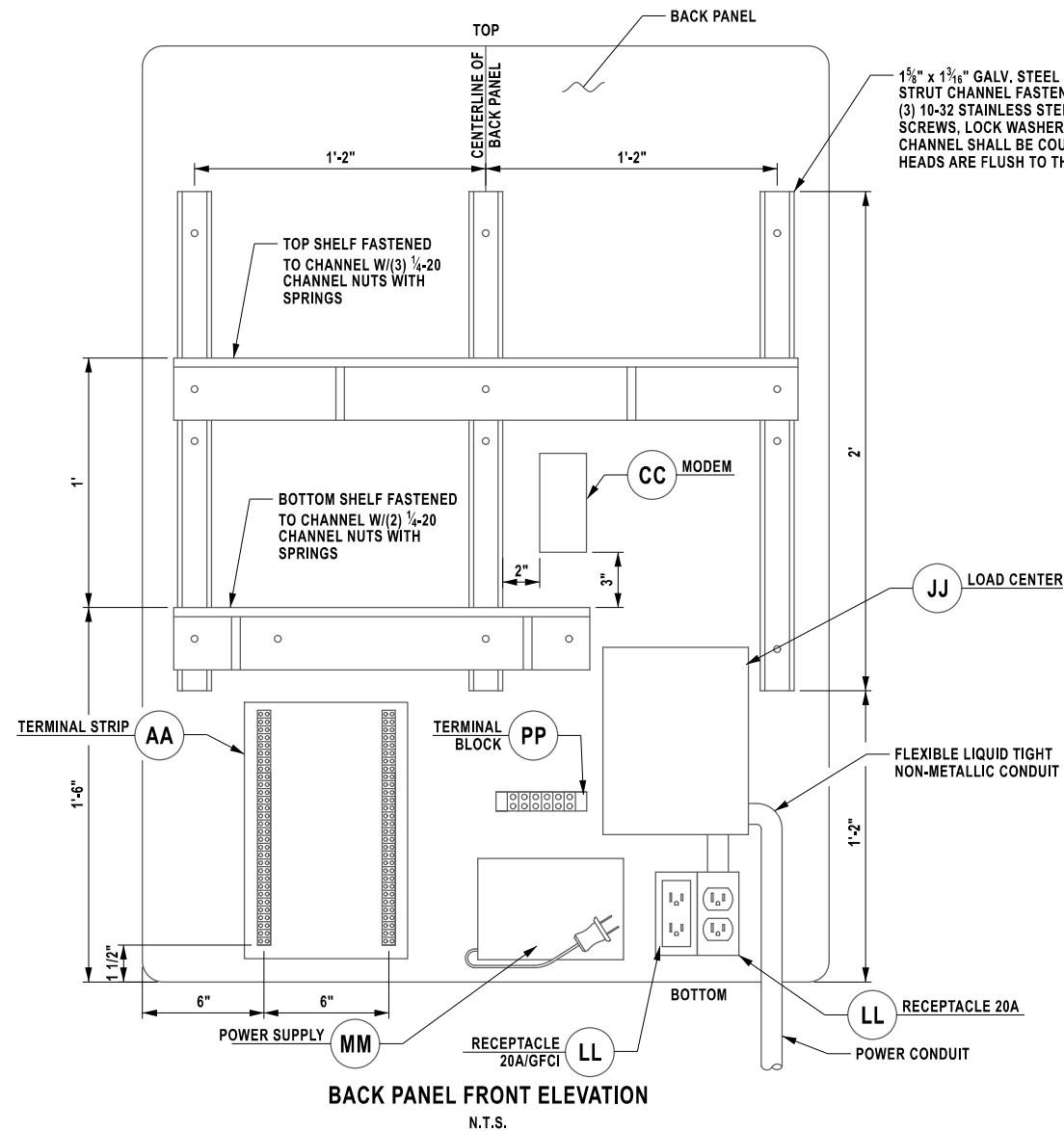
**TYPICAL CONDUIT
EXCAVATION AND BACKFILL DETAIL**

N.T.S.



**CONDUIT ENTRANCE PLAN
(BOTTOM OF CABINET SHOWN)**

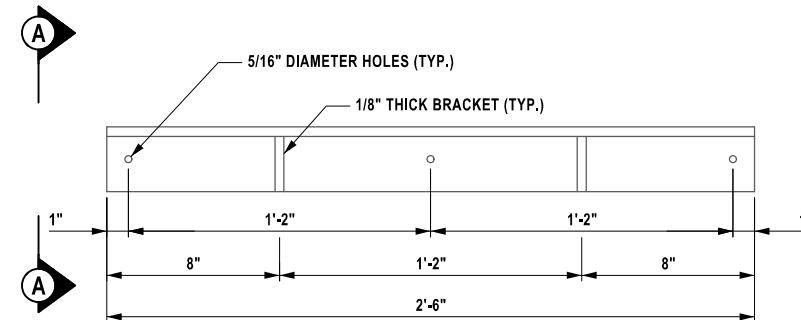
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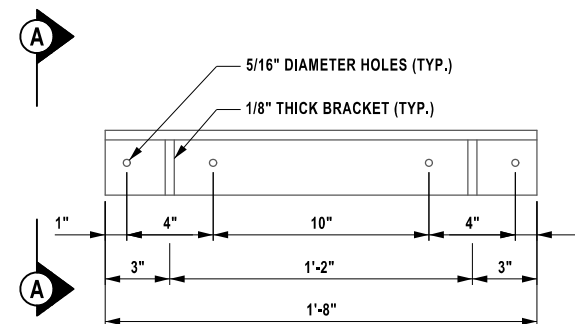
BACK PANEL FRONT ELEVATION
N.T.S.

AC PANEL SHOWN, DC PANEL SIMILAR

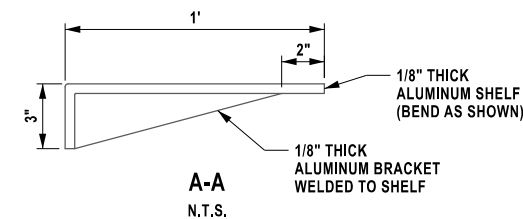
NOTE:
DETAILS REPRESENT A STANDARD CABINET LAYOUT.
REFER TO MISCELLANEOUS TABLES FOR WORK
TO BE PERFORMED AT EACH LOCATION.



TOP SHELF FRONT ELEVATION
N.T.S.



BOTTOM SHELF FRONT ELEVATION
N.T.S.



A-A
N.T.S

LEGEND

**(X) KEYNOTE
(SEE MISCELLANEOUS TABLES)**

REVISIONS			
DATE	DESCRIPTION	BY	SYM

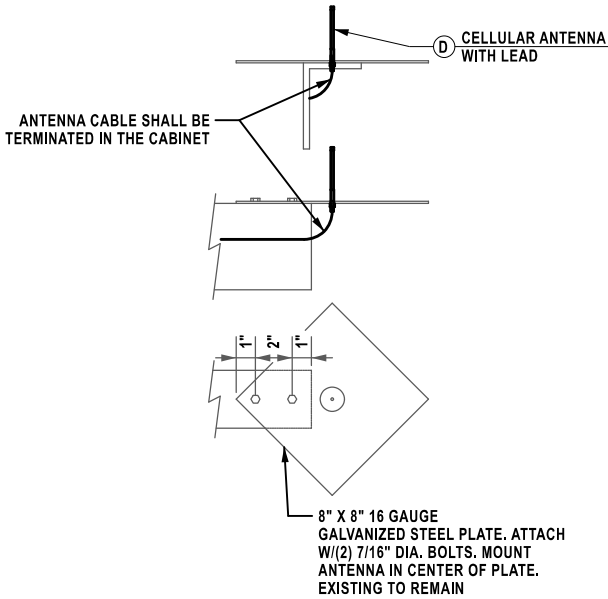


TITLE OF PROJECT REPLACEMENT OF THE TDS EQUIPMENT		CONTRACT NUMBER: TAB 26-24 D215111
LOCATION OF PROJECT VARIOUS LOCATIONS		DATE: 09 / 2026
TITLE OF DRAWING MISCELLANEOUS DETAILS		DRAWING NUMBER: MSD-7

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 CHECKED BY: A. LIN

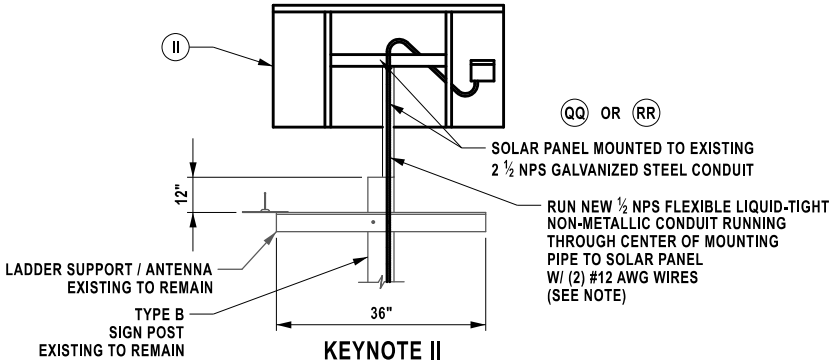
CHECKED BY: A. LIN
 DESIGNED BY: J. VAUGHN

DESIGN SUPERVISOR: J. JOHNS



KEYNOTE D
 CELLULAR ANTENNA WITH LEAD
 ITEM 683.11000525
 N.T.S.

NOTES:
 - COST OF CONNECTING ANTENNA TO THE CABINET TO BE INCLUDED IN ITEM 683.11000525

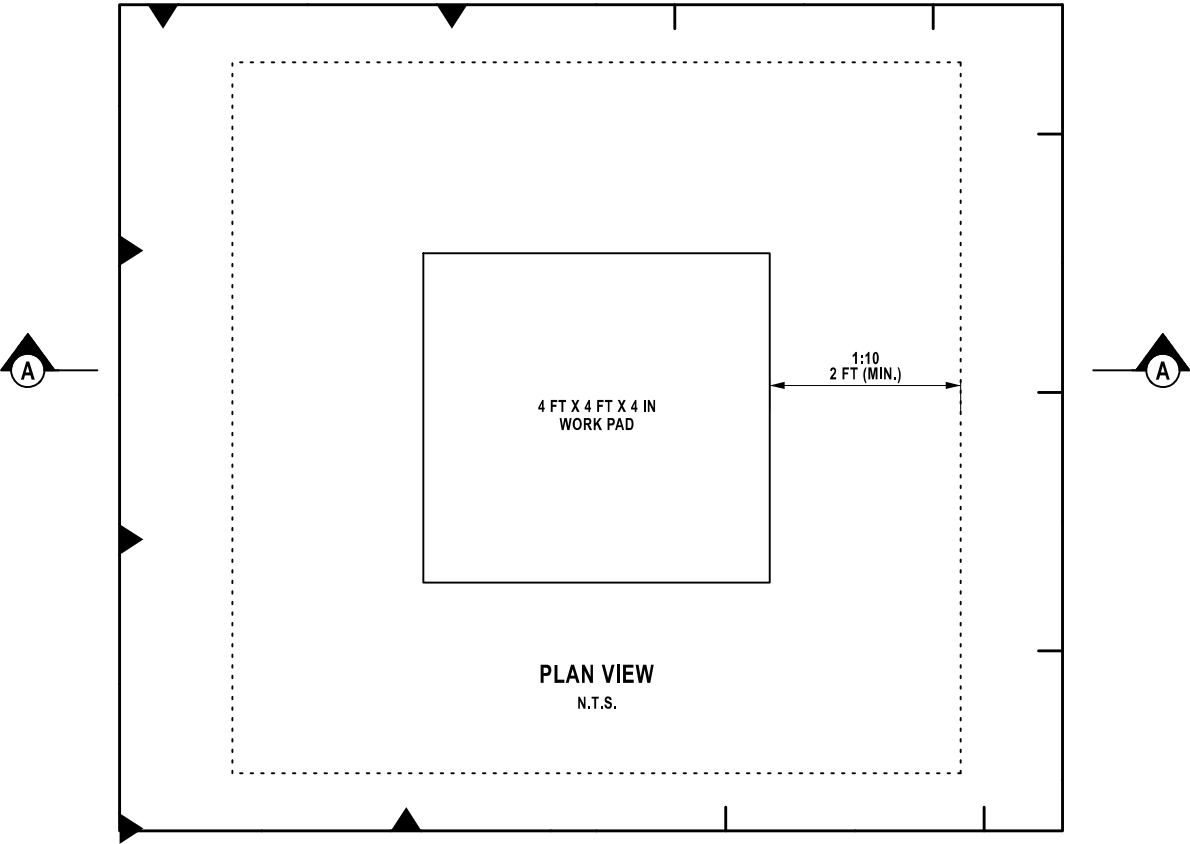


KEYNOTE II
 SOLAR PANEL WITH MOUNTING HARDWARE
 ITEM 683.11001425
 N.T.S.

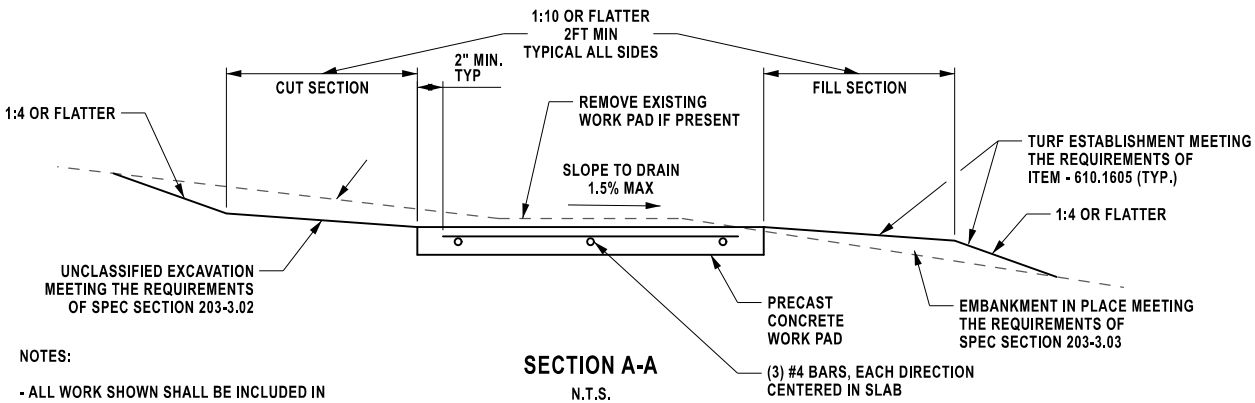
NOTES:
 - WORK TO BE INCLUDED IN COST BID FOR SOLAR PANEL FOR ITEM 683.11001425

LEGEND
 (X) KEYNOTE
 (SEE MISCELLANEOUS TABLES)

TABLE OF CONCRETE WORK PADS								
ITEM	ASSET NUMBER	ASSET DESCRIPTION	DIVISION	ACTUAL MP	ROUTE	DIRECTION	608.01010125 EA	COMMENTS
3219W	TDS-081	3219W TDS	SYR	321.9	I-90	W	1	
3375E	TDS-084	3375E TDS - SOLAR (CO-LOCATED W/SWIS-030)	SYR	337.5	I-90	E	1	
4246E	TDS-104	4246E TDS - SOLAR - PUT ON FIBER	BUF	424.6	I-90	E	1	
4246W	TDS-105	4246W TDS - SOLAR - PUT ON FIBER	BUF	424.6	I-90	W	1	
9011N	TDS-139	9011N TDS - SOLAR	BUF	1.1	I-190	N	1	
9088N	TDS-153	9088N TDS - SOLAR	BUF	8.8	I-190	N	1	
9123N	TDS-157	9123N TDS - SOLAR	BUF	12.3	I-190	N	1	
TOTAL:							7	
ITEM NUMBER		DESCRIPTION						UNIT
608.01010125		WORK PAD						EA



PLAN VIEW
 N.T.S.



SECTION A-A
 N.T.S.

NOTES:
 - ALL WORK SHOWN SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 608.01010125.
 - PLASTIC AND FIBERGLASS WORK PADS ARE PROHIBITED.

CONCRETE WORK PAD DETAIL
 N.T.S.

ALTERED ON:
 AFFIXED ON: 09/01/2026

SIGNATURE:
 SIGNATURE:

STAMP:
 STAMP:

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REVISIONS			
DATE	DESCRIPTION	BY	SYM.

TITLE OF PROJECT
 REPLACEMENT OF THE TDS EQUIPMENT
 LOCATION OF PROJECT
 VARIOUS LOCATIONS
 TITLE OF DRAWING
 MISCELLANEOUS DETAILS

CONTRACT NUMBER:
 TAB 26-24
 D215111
 DATE:
 09 / 2026
 DRAWING NUMBER:
 MSD-8



NEMA 4X CABINET - DOOR CLAMPING HARDWARE								
ITEM	ASSET NUMBER	ASSET DESCRIPTION	DIVISION	ACTUAL MP	ROUTE	DIRECTION	EA	COMMENTS
4205W	TDS-099	4205W TDS - AC (CO-LOCATED W/ CCTV AND VMS)	BUF	420.5	I-90	W	1	HAMMOND MANUFACTURING
4782E	TDS-123	4782E TDS - SOLAR	BUF	478.2	I-90	E	1	HAMMOND MANUFACTURING
4859W	TDS-124	4859W TDS - SOLAR (CO-LOCATED W/SWIS-039)	BUF	485.9	I-90	W	1	HAMMOND MANUFACTURING
9062N	TDS-149	9062N TDS - AC (CO-LOCATED W/ VMS)	BUF	6.2	I-190	N	1	HAMMOND MANUFACTURING
9064S	TDS-150	9064S TDS - AC (CO-LOCATED W/ VMS)	BUF	6.4	I-190	S	8	HAMMOND MANUFACTURING
9184S	SWIS-043	9184S SWIS - SOLAR (CO-LOCATED W/ TDS)	BUF	18.4	I-190	S	1	
TOTAL:							13	
ITEM NUMBER	DESCRIPTION						UNIT	
683.11002925	NEMA 4X CABINET - DOOR CLAMPING HARDWARE						EA	



NEMA 4X CABINET - DOOR GASKET								
ITEM	ASSET NUMBER	ASSET DESCRIPTION	DIVISION	ACTUAL MP	ROUTE	DIRECTION	EA	COMMENTS
3541W	TDS-088	3541W TDS - SOLAR	SYR	354.1	I-90	W	1	HAMMOND MANUFACTURING
3918W	TDS-094	3918W TDS - SOLAR (CO-LOCATED W/SWIS)	BUF	391.8	I-90	W	1	HAMMOND MANUFACTURING
3978E	TDS-095	3978E TDS - SOLAR	BUF	397.8	I-90	E	1	HAMMOND MANUFACTURING
4166E	TDS-215	4166E TDS - AC (CO-LOCATED WITH SWIS-050)	BUF	416.6	I-90	E	1	HOFFMAN ENGINEERING
4205W	TDS-099	4205W TDS - AC (CO-LOCATED W/ CCTV AND VMS)	BUF	420.5	I-90	W	1	HAMMOND MANUFACTURING
4246E	TDS-104	4246E TDS - SOLAR - PUT ON FIBER	BUF	424.6	I-90	E	1	HAMMOND MANUFACTURING
4246W	TDS-105	4246W TDS - SOLAR - PUT ON FIBER	BUF	424.6	I-90	W	1	HAMMOND MANUFACTURING
4425W	TDS-116	4425W TDS - SOLAR (CO-LOCATED W/SWIS-037)	BUF	442.5	I-90	W	1	CONTRACTOR TO VERIFY
4472E	TDS-119	4472E TDS - SOLAR	BUF	447.2	I-90	E	1	HAMMOND MANUFACTURING
4565W	TDS-121	4565W TDS - SOLAR	BUF	456.5	I-90	W	1	HAMMOND MANUFACTURING
4782E	TDS-123	4782E TDS - SOLAR	BUF	478.2	I-90	E	1	HAMMOND MANUFACTURING
4859W	TDS-124	4859W TDS - SOLAR (CO-LOCATED W/SWIS-039)	BUF	485.9	I-90	W	1	HAMMOND MANUFACTURING
4932E	TDS-125	4932E TDS - SOLAR (CO-LOCATED W/SWIS-040)	BUF	493.2	I-90	E	1	CONTRACTOR TO VERIFY
9011S	TDS-140	9011S TDS - SOLAR	BUF	1.1	I-190	S	1	HAMMOND MANUFACTURING
9030N	TDS-144	9030N TDS - SOLAR	BUF	3	I-190	N	1	HAMMOND MANUFACTURING
9041N	TDS-147	9041N TDS - SOLAR	BUF	4.1	I-190	N	1	HAMMOND MANUFACTURING
9062N	TDS-149	9062N TDS - AC (CO-LOCATED W/ VMS)	BUF	6.2	I-190	N	1	HAMMOND MANUFACTURING
9064S	TDS-150	9064S TDS - AC (CO-LOCATED W/ VMS)	BUF	6.4	I-190	S	1	HAMMOND MANUFACTURING
9073N	TDS-151	9073N TDS - SOLAR	BUF	7.3	I-190	N	1	HAMMOND MANUFACTURING
9093N	TDS-154	9093N TDS - SOLAR	BUF	9.3	I-190	N	1	HAMMOND MANUFACTURING
9108S	TDS-156	9108S TDS - AC (CO-LOCATED W/VMS AND SWIS)	BUF	10.8	I-190	S	1	HAMMOND MANUFACTURING
9123N	TDS-157	9123N TDS - SOLAR	BUF	12.3	I-190	N	1	HOFFMAN ENGINEERING
9151N	TDS-161	9151N TDS - SOLAR	BUF	15.1	I-190	N	1	HAMMOND MANUFACTURING
9165S	TDS-164	9165S TDS - SOLAR	BUF	16.5	I-190	S	1	HAMMOND MANUFACTURING
9184N	TDS-165	9184N TDS - SOLAR	BUF	18.4	I-190	N	1	HAMMOND MANUFACTURING
9184S	SWIS-043	9184S SWIS - SOLAR (CO-LOCATED W/ TDS)	BUF	18.4	I-190	S	1	HAMMOND MANUFACTURING
TOTAL:							26	
ITEM NUMBER		DESCRIPTION	UNIT					
683.1100263		NEMA 4X CABINET - DOOR GASKET	EA					



NEMA 4X CABINET - NEW DOOR STOP KIT								
ITEM	ASSET NUMBER	ASSET DESCRIPTION	DIVISION	ACTUAL MP	ROUTE	DIRECTION	683.11002725	COMMENTS
3108E	TDS-079	3108E TDS - SOLAR (CO-LOCATED W/SWIS-028)	SYR	310.8	I-90	E	1	HAMMOND MANUFACTURING
4166E	TDS-215	4166E TDS - AC (CO-LOCATED WITH SWIS-050)	BUF	416.6	I-90	E	1	HOFFMAN ENGINEERING
4205W	TDS-099	4205W TDS - AC (CO-LOCATED W/ CCTV AND VMS)	BUF	420.5	I-90	W	1	HAMMOND MANUFACTURING
4224E	TDS-102	4224E TDS - SOLAR - PUT ON FIBER	BUF	422.4	I-90	E	1	CONTRACTOR TO VERIFY
4246W	TDS-105	4246W TDS - SOLAR - PUT ON FIBER	BUF	424.6	I-90	W	1	HAMMOND MANUFACTURING
4327E	TDS-114	4327E TDS - AC	BUF	432.7	I-90	E	1	CONTRACTOR TO VERIFY
4356W	TDS-115	4356W TDS - SOLAR (CO-LOCATED W/SWIS)	BUF	435.6	I-90	W	1	CONTRACTOR TO VERIFY
4425W	TDS-116	4425W TDS - SOLAR (CO-LOCATED W/SWIS-037)	BUF	442.5	I-90	W	1	CONTRACTOR TO VERIFY
4426E	TDS-117	4426E TDS - SOLAR	BUF	442.6	I-90	E	1	CONTRACTOR TO VERIFY
4470W	TDS-118	4470W TDS - SOLAR	BUF	447	I-90	W	1	HAMMOND MANUFACTURING
4682W	TDS-122	4682W TDS - SOLAR (CO-LOCATED W/SWIS-038)	BUF	468.2	I-90	W	1	CONTRACTOR TO VERIFY
4859W	TDS-124	4859W TDS - SOLAR (CO-LOCATED W/SWIS-039)	BUF	485.9	I-90	W	1	HAMMOND MANUFACTURING
4932E	TDS-125	4932E TDS - SOLAR (CO-LOCATED W/SWIS-040)	BUF	493.2	I-90	E	1	CONTRACTOR TO VERIFY
9023S	TDS-142	9023S TDS - SOLAR (CO-LOCATED W/ CCTV-107)	BUF	2.3	I-190	S	1	CONTRACTOR TO VERIFY
9027S	TDS-143	9027S TDS - AC (CO-LOCATED W/ VMS)	BUF	2.7	I-190	S	1	CONTRACTOR TO VERIFY
9030N	TDS-144	9030N TDS - SOLAR	BUF	3	I-190	N	1	HAMMOND MANUFACTURING
9032S	TDS-145	9032S TDS - SOLAR	BUF	3.2	I-190	S	1	HAMMOND MANUFACTURING
9042S	TDS-148	9042S TDS - SOLAR	BUF	4.2	I-190	S	1	HAMMOND MANUFACTURING
9123N	TDS-157	9123N TDS - SOLAR	BUF	12.3	I-190	N	1	HOFFMAN ENGINEERING COMPANY
9135N	TDS-159	9135N TDS - SOLAR	BUF	13.5	I-190	N	1	CONTRACTOR TO VERIFY
TOTAL:							20	
ITEM NUMBER		DESCRIPTION					UNIT	
683.11002725		NEMA 4X CABINET - NEW DOOR STOP KIT					EA	

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DATE	DESCRIPTION	BY	SYM.

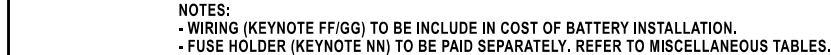
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	LOCATION OF PROJECT VARIOUS LOCATIONS	DATE: 09 / 2026
 Stantec	TITLE OF DRAWING MISCELLANEOUS DETAILS	DRAWING NUMBER: MSD-9

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Plotted:

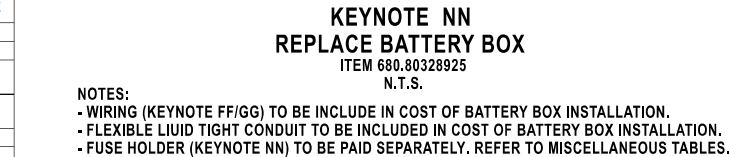
DRAFTED BY: M. DAVIDSON

DESIGNED BY: J. VAUGHN

DESIGN SUPERVISOR: J. JOHNS



ITEM NUMBER	DESCRIPTION	UNIT
683.11002025	12V AGM DEEP CYCLE SOLAR BATTERY	EA



ITEM NUMBER	DESCRIPTION	UNIT
680.80328925	TYPE B CABINET	EA



ITEM 683.11002825
N.T.S.

NOTES:
- DUCT SEAL COMPOUND TO BE USED ON ALL CONDUIT PENETRATIONS WITHIN CABINET.
PAYMENT TO BE MADE UNDER ITEM 683.11002825 AS 1 EACH PER CABINET.

		TOTAL:	30
ITEM NUMBER	DESCRIPTION	UNIT	
683.11002825	NEMA 4X CABINET - DUCT SEAL COMPOUND	EA	

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DATE	DESCRIPTION	BY	SYM.



LOCATION OF PROJECT	VARIOUS LOCATIONS
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MISCELLANEOUS DETAILS

DATE: 09 / 2026

DRAWING NUMBER:
MSD-10