

SSH JV

Milpitas Station Design Unit 023 Readiness for Construction Electrical

SVBX C700

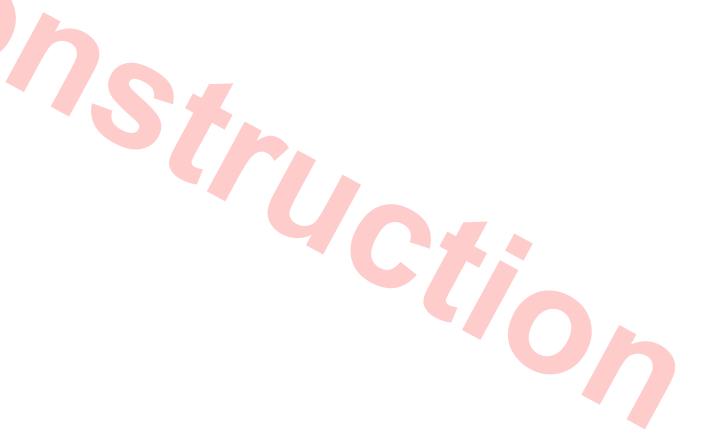
Wednesday, July 10, 2013

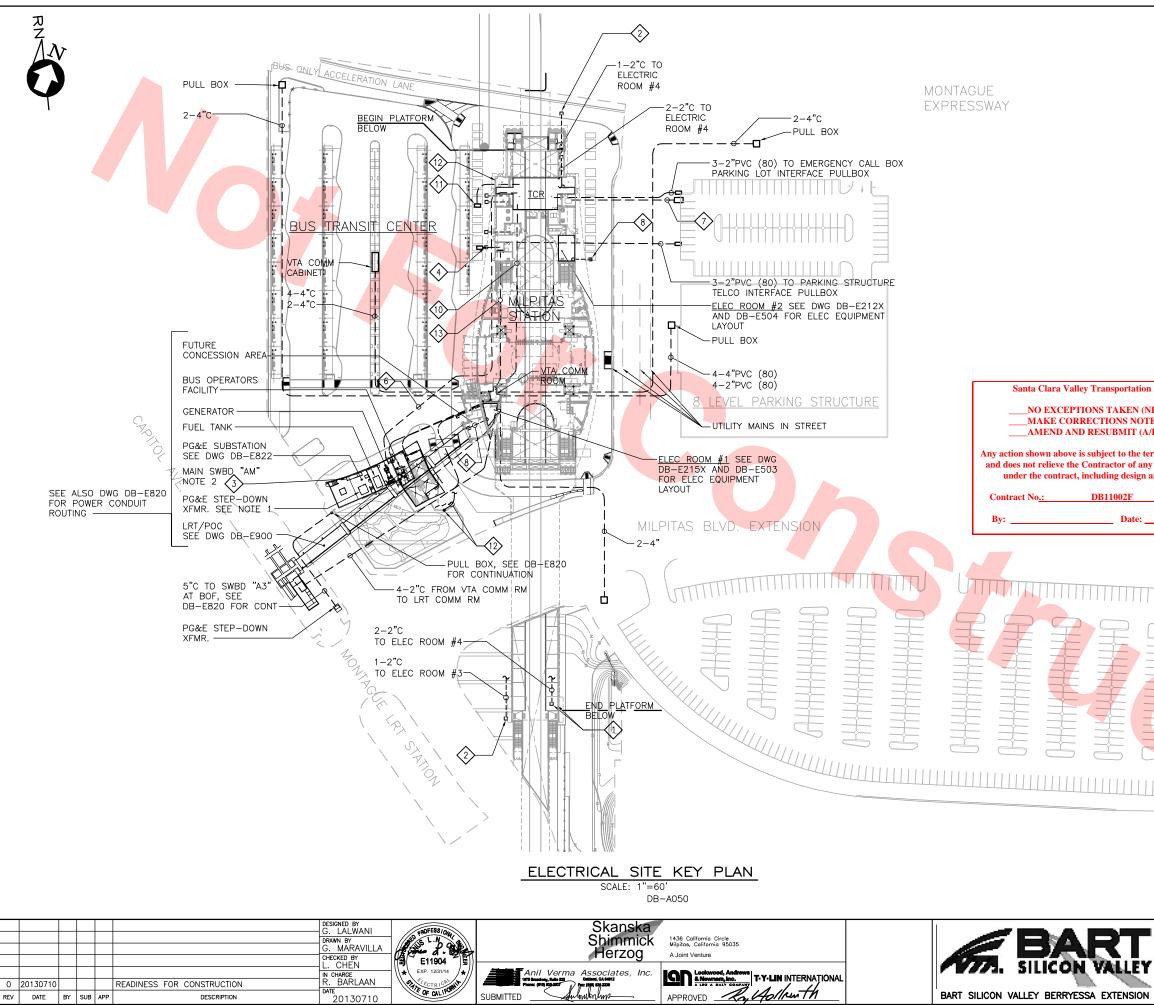
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engineers | planners | scientists

DU-023





		KEY N	NOTES
		FOR TRACKSIDE LIGHTIN DOUBLE CROSSOVER TH CONTRACT DOCUMENTS. EXTEND CONDUITS FRO STATION POWER DISTRI	RACK LIGHTING SEE C700 CONTRACTOR TO M PANELBOARDS TO
		2 1–2"C TO RAIL LUBRIC EXTEND CONDUIT FROM DISTRIBUTION PANELBO/	LUBRICATOR TO STATION
			I MAIN SWBD. "AM" TO THE HE 480V PG&E INCOMING
		3-2"C FROM TELCO RO SERVICE PROVIDER PUL STATION/CAMPUS BOUN	
		3−2"C FROM TCR TO I CALL BOX SYSTEM.	PARKING LOT EMERGENCY
		4-4"C, 4-2"C FROM T IN STREET, TO THE PAI	GENERATOR CONTROLLER. CR, UNDER UTILITY MAINS RKING STRUCTURE ACE MANHOLE. EXTENSION
		3-2" FROM ELECTRICAL POWER (LIGHTING AND INTERFACE PULLBOXES.	
		9 2-4"C FROM VTA COM	M PULLBOX TO VTA COMM
1 Authority		10 4-4"C FROM TCR TO	
NET) ED (MCN) /R) erms of the contract			VE JUNCTION BOX, SEE . DB-L304 AND DB-L351 ANDSCAPE DRAWING WG. DB-E211X FOR
y of its obligations and detailing.		3-2"C BETWEEN TELCC COMMUNICATION ROOM.	
		NO	TES
			RE SERVICE WILL BE
		2. CONTRACTOR TO EXTEND MOUNTED STEP-DOWN TI	STEP-DOWN TRANSFORMER. DUCT FROM PG&E PAD RANSFORMER TO THE PULL D AM, SEE DWG DB-E821.
		3. ALL CONDUIT RUNS FOR CONTROL/COMMUNICATION SYSTEM ELECTRICAL ENG	MEDIUM VOLTAGE N, ETC., CONSULT WITH
5			
		\mathbf{O}	
		60' 0'	60' 120'
			SCALE
LINE, TRA	DESIG	TATIONS AND SYSTEMS IN UNIT 023 PITAS STATION	C700-S-DB-E000.dwg SIZE SCALE D 1"=60'
EL		AL SITE KEY PLAN	CONTRACT NO. C700 REV. AREA CODE SHEET NO. PAGE NO.
I			DB E000 0826

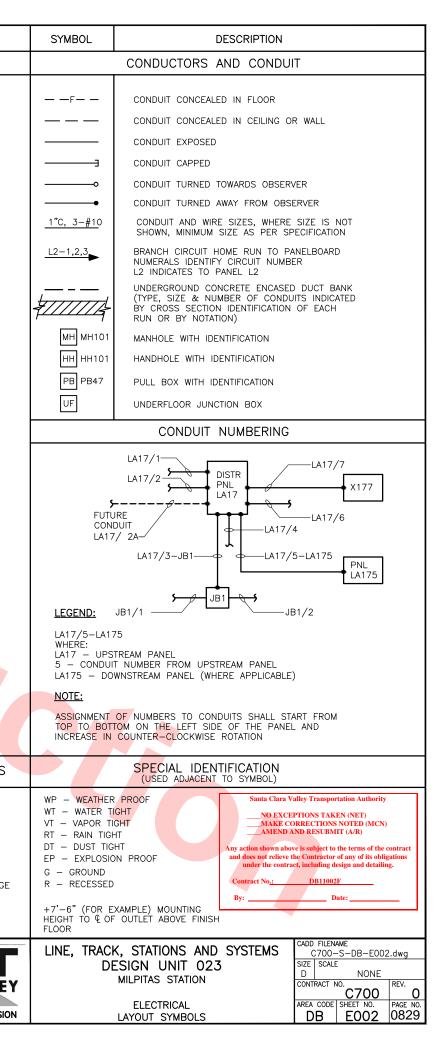
А	AMPERE	СТ	CURRENT TRANSFORMER	HD	HARD DRAWN	NE	NORTHEAST
A/G AASHTO	AT GRADE AMERICAN ASSOCIATION OF STATE HIGHWAY AND	CTR CTRL	CENTER CONTROL	HDG HEX	HOT DIP GALVANIZED HEXAGONAL	NEC NEG	NATIONAL ELECTRICAL CODE NEGATIVE
AB	TRANSPORTATION OFFICIALS AIRBREAK, ANCHOR BOLT	CTS CU	COMMUNICATION TRANSMISSION SYSTEM COPPER, CONDENSING UNIT	HH HID	HANDHOLE HIGH–INTENSITY DISCHARGE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS
ABD ABUT	ABANDON, ABANDONED ABUTMENT	CY	CUBIC YARD	HO HOASW	HAND-OPERATED HAND-OFF-AUTOMATIC SWITCH	NESC NEUT	NATIONAL ELECTRICAL SAFETY CODE NEUTRAL
ABV	ABOVE ALTERNATING CURRENT	D DB	DEPTH DIRECT BURIED, DUCT BANK	HORZ	HORIZONTAL HORSEPOWER	NF	NEORAFACE NON-FUSED
ACU ACCP	AIR CONDITIONING UNIT AIR CONDITIONING CONTROL PANEL	DC DCP	DIRECT CURRENT DC PANEL	HPS HRL	HIGH-PRESSURE SODIUM	NFPA NGD	NATIONAL FIRE PROTECTION ASSOCIATION
ACI	AMERICAN CONCRETE INSTITUTE	DE DEG	DEAD END DEGREE	HS	HIGH STRENGTH	NIC	NEGATIVE GROUNDING DEVICE NOT IN CONTRACT
ACP ADJ	ADJACENT	DET	DETAIL	HT HV	HEIGHT HIGH VOLTAGE	NO No. OR #	
AFC AFF	AUTOMATIC FARE COLLECTION ABOVE FINISHED FLOOR	DIA DIM	DIAMETER DIMENSION	HVSS HVAC	HIGH VOLTAGE SUBSTATION HEATING, VENTILATION & AIR CONDITIONING	NOM NR	NOMINAL NOT REGISTERED
AFG AHD	ABOVE FINISHED GRADE AHEAD	DISC DISC SW	DISCONNECT DISCONNECT SWITCH	HWY HZ	HIGHWAY HERTZ	NS NSR	NOT SUPPORTED NOT SUPPORTED OR REGISTERED
AISC ALUM	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	DISTR DPM	DISTRIBUTION DIGITAL POWER METER		INTERLOCK	NTS	NOT TO SCALE
ALT AM	ALTERNATE AMMETER	DPP DSG	DISTRIBUTION POWER PANEL DISCONNECT SWITCH GROUP	I/L IC	INTERLOCKING INTERRUPTING CAPACITY	0 OC	OPEN
AMD ANCH	AUTOMATIC MOTORIZED DAMPER ANCHOR	DT DWG	DOUBLE – THROW DRAWING	ID IDS	INSIDE DIAMETER INTRUSION DETECTION SYSTEM	OD OFF	ON CENTER OUTSIDE DIAMETER
ANN ANSI	ANNUNCIATOR AMERICAN NATIONAL STANDARDS INSTITUTE	E EA	EAST	IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS	OHB	OFFSET OVERHEAD BRIDGE
APPROX	APPROXIMATE ARMORED CABLE	EB	EASTBOUND	IN INC	INCH, INCHES INCOMING	OL OE	OVERLAP, OVERLOAD OVERLOAD ELEMENT
ARCH	ARCHITECTURAL/ARCHITECT AMERICAN RAILWAY ENGINEERING & MAINTENANCE	EC EE EF	EMPTY CONDUIT ELECTRICAL ENCLOSURE, EMERGENCY EXIT	INCT INSR	INCANDESCENT INSULATOR	Р	POLE
AS	OF WAY ASSOCIATION AMMETER SWITCH	EHS	EXHAUST FAN EXTRA HIGH STRENGTH	INST IPPBX	INSTANTANEOUS INTERNET PROTOCOL PRIVATE BRANCH EXCHANGE	P/L PB	PROPERTY LINE PULLBOX OR PUSHBUTTON
AS ASSY ASTM	AMMETER SWITCH ASSEMBLY AMERICAN SOCIETY FOR TESTING & MATERIALS	EL ELEC	ELEVATION ELECTRIC, ELECTRICAL	ISO-G ITC	ISOLATED GROUND INTERFACE TERMINAL CABINET	PC PEC	POINT OF CURVE PHOTOELECTRIC
AT	AMMETER TRANSDUCER	ELEV EMERG	ELEVATOR EMERGENCY	J	JUMPER	PF PG & E	POWER FACTOR, POINT OF FROG PACIFIC GAS & ELECTRIC
ATM ATP	ALONG TRACK MOVEMENT AMPERE_TRIP	EMP EO	EMERGENCY MANAGEMENT PANEL ELECTRICALLY OPERATED	JB/JBOX JCT	JUNCTION BOX JUNCTION	PH PI	PHASE POINT OF INTERSECTION
ATR ATS	ABOVE TOP OF RAIL AUTOMATIC TRANSFER SWITCH	EOS EP	ELECTRICALLY OPERATED SWITCH EXPLOSION PROOF	kA KOMII	KILOAMPERE	PITO PL	POINT OF INTERSECTION OF TURNOUT PLATE
AUX AVE	AUXILIARY AVENUE	EPB EQ	EMERGENCY PUSH BUTTON EQUAL	KCMIL KSF KSI	THOUSAND CIRCULAR MILS KIPS PER SQUARE FOOT KIPS PER SQUARE INCH	PNL POC	PANEL PEDESTRIAN OVER CROSSING
AVG AWG	AVERAGE AMERICAN WIRE GAUGE	EQN EQUIP	EQUATION EQUIPMENT	kV	KILOVOLT	POS	POSITIVE, POINT OF SWITCH PAIR
AWS B/B	AMERICAN WELDING SOCIETY BACK-TO-BACK	ES ESC	EXTRA STRENGTH ESCALATOR	kVA KVAR	KILOVOLT AMPERE KILOVAR	PRI PS	PRIMARY PUMP_STATION
BATT BC	BATTERY BRANCH CIRCUIT	EST ETC	ESTIMATED ET CETERA	kW kWH	KILOWATT KILOWATT HOUR	PSF PSI	POUNDS PER SQUARE FEET POUNDS PER SQUARE INCH
BCB BD	BRANCH CIRCUIT BREAKER BOARD	EXIST, (E)	EXISTING EXTINGUISHER	LA	LIGHTNING ARRESTER	PT PVC	POINT OF TANGENT, POTENTIAL TRANSFORMER
BEG	BEGIN	EXT F	FAHRENHEIT	LB LB/FT	POUND, POUNDS POUNDS PER FOOT		POLYVINYL CHLORIDE (CONDUIT) OR POINT OF VERTICAL CURVE
BFG BCM	BELOW FINISH GRADE BILL CHANGE MACHINE	F/F FA	FACE TO FACE FIRE ALARM	LED LF	LIGHT EMITTING DIODE LINEAR FOOT	PVM PWR	PARKING VALIDATION MACHINE POWER
BK BKR	BACK BREAKER	FAC FACP	FACILITY FIRE ALARM CONTROL PANEL	LG LGTH	LONG LENGTH	QTY	QUANTITY
BL BLDG	BASELINE OR BLUE LIGHT BUILDING	FBO FD	FURNISHED BY OTHERS FIRE DEPARTMENT	LOC LPS	LOCATION LOW-PRESSURE SODIUM	(R)	RELOCATE_OR_REMOVE_AND_SALVAGE
BLVD BM	BOULEVARD BEAM	FDN FDR	FOUNDATION FEEDER	LPT LR	LOW POINT LOW RAIL	Ř OR RA R/A	D RADIUS ROCK ANCHOR
BPS BSD	BOLTED PRESSURE SWITCH BARE SOFT DRAWN	FG FHC	FINISHED GRADE FIRE HOSE CABINET	LS LT	LINE SECTION LIGHT OR LEFT	RC RD	REINFORCED CONCRETE ROAD
BR BRKT	BRIDGE BRACKET	FIG FIN	FIGURE FINISH	LTG LV	LIGHTING LOW VOLTAGE	RE RE-BAR	RUNNING EDGE OR RAIL CONCRETE REINFORCING BAR
BTM BTWN	BOTTOM/BUS TRANSFER MACHINE BETWEEN	FIX FL	FIXTURE FLOOR	M	METER	REC	RECEPTACLE
С Ç то Ç	CELSIUS CENTERLINE TO CENTERLINE	FLSW	FLOW SWITCH FLUORESCENT	MAX MCC	MAXIMUM MOTOR CONTROL CENTER	REF	REFERENCE REINFORCED
CAB -	CABINET	FOS	FACTOR OF SAFETY	MCM MDB	THOUSAND CIRCULAR MILS MAIN DISTRIBUTION BOARD	RETWALL	RETAINING WALL
CAP CB	CAPACITOR CIRCUIT BREAKER	FSD	FULL PENETRATION FIRE SMOKE DAMPER	MECH MH	MECHANICAL MANHOLE	REV RGS	REVISION RIGID GALVANIZED STEEL
CE CE	CONCRETE ENCASED CUBIC FEET	FSW FT FTG	FUSED SWITCH FEET, FOOT	MI MIN	MILD IRON MINIMUM	RMS ROW	ROOT MEAN SQUARE RIGHT OF WAY
읍 CHAM 남 CHGR	CHAMFER CHARGER	FU	FOOTING FUSE	MISC MLO	MISCELLANEOUS MAIN LUGS ONLY	RPM REQ'D	REVOLUTIONS PER MINUTE REQUIRED
	COMMUNICATIONS INTERFACE CABINET CIRCUIT	FURN FVNR	FURNISH FULL VOLTAGE NON-REVERSING	MOE	MAINLINE MAINTENANCE OF EQUIPMENT	RR RRX	RAILROAD, RUNNING RAIL RAILROAD GRADE CROSSING
	CENTERLINE CHAIN LINK FENCE	FWY G	FREEWAY GENERATOR SET	MOS MOW	MANUALLY OPERATED SWITCH MAINTENANCE OF WAY	RT RTU	RIGHT REMOTE TERMINAL UNIT
	CURRENT-LIMITING FUSE CEILING	G/L GA	GROUND LINE GAUGE	MPH	MILES PER HOUR	S	SOUTH
GLR CLR	CLEARANCE, CLEAR CURRENT—LIMITING	GALV GB	GALVANIZED GROUND BUS	MR MTD	MOTOR MOUNTED METER METERING	SA SAB	SURGE ARRESTER STATION AGENT'S BOOTH
CND COMM	CONDUIT COMMUNICATIONS	GBS GCP	GAP BREAKER STATION GENERATOR CONTROL PANEL	MTR mV	METER, METERING MILLIVOLT	SB SC	SOUTHBOUND SPIRAL TO CURVE
COMP CONC	COMPARTMENT, COMPRESSOR CONCRETE	GF GFI	GROUND FAULT GROUND FAULT INTERRUPTER	MVA MW	MEGAVOLT AMPERE MEGAWATT	SCADA SCH	SUPERVISORY CONTROL & DATA ACQUISITION
COND CONST	CONDUCTOR CONSTRUCTION	GFP GG	GROUND FAULT PROTECTION GROUND GRID	(N)	NEW NORTH	SD SE	SMOKE DETECTOR, SYSTEM DEPTH SUPERELEVATION
	CONTINUATION, CONTINUOUS CONTRACTOR	GHS GND	GALVANIZED HIGH STRENGTH GROUND	N N/A	NOT APPLICABLE	SEC SECT	SECONDARY SECTION
	CONTROL POWER CIRCUIT BREAKER CONTROL POWER TRANSFORMER	GR GRS	GROUND ROD GALVANIZED RIGID STEEL	NAG NB	NORTHERN AREA GUIDEWAY NORTHBOUND	SES	SERVICE ENTRANCE SECTION
	CONDUT RISER CURVE TO SPIRAL, CONTROL SWITCH	GRSC GRX	GALVANIZED RIGID STEEL CONDUIT GRADE CROSSING	NBR NC	NONBRIDGING NORMALLY CLOSED	SF SHT SI	SUPPLY FAN SHEET STOTION INSULATOR
	COMBINED SYSTEM DUCTBANK	GTS	GROUND TEST STATION			51	SECTION INSULATOR
	+ + +	G. LALW	ANI PROFESS (OM/	Skans Shimm			
21, 20		G. MARA CHECKED BY		Herzo			SILICON VALLEY
n n		L. CHEN		a Associates,			SILICON VALLEY
0 20130710	READINESS FOR CONSTRUCTION BY SUB APP DESCRIPTION	R. BARL DATE 20130	OF CALLY	12 ASSOCIALES, 525 Ookland, CA 94612 537 Fox: (\$10) 535-2339	APPROVED Ray April American		BART SILICON VALLEY BERRYESSA EXTENSION
5 DAIL		20130		<			

SIG SIGNAL SIM SIMLAR SIM SIMLAR SLPA SIGNAGE, LIGHTING, PUBLIC ADDRESS SOP SETOUT POINT SP SPARE, SUMP PUMP SPE SINGLE-POLE SPEC SPECIFICATION SPS SMALL PART STEELWORK SQ SQUARE Sq Ft SQ SQUARE SQUARE FEET SS SELECTOR SWITCH ST STAINLESS STEEL ST SHUNT TRIP STR STANDARD STR STANDARD STRUCT STRUCTURE STW SINGLE-THROW SUB SUBSTATION SW SWITCH SWBD SWITCHBOARD SWR SYSTEM WIDE RACEWAY SWR SYSTEM SYS SYSTEM T/F TOP OF FOUNDATION SYS <	contract gations
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STL STEEL under the contract, including design and detailing. STRUCT STRUCTURE Contract No.:: DB11002F SWB SUBSTATION By: Date: SWBD SWITCHBOARD By: Date: SWR SYSTEM SYS SWITCHING STATION SWS SWITCHGEAR SWS SWITCHING STATION SYS SYSTEM T/F TOP OF FOUNDATION T/F TOP OF FOUNDATION GRADE T/HT TERMINATION HEIGHT T/LR T/LR TOP OF LOW RAIL TAN TAN TANGENT	
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T/HT TERMINATION HEIGHT T/LR TOP OF LOW RAIL TAN TANGENT TBD TO BE DETERMINED	
TAN TANGENT TBD TO BE DETERMINED	
TBD TO BE DETERMINED	
TC TRACK CENTER TCH TRAIN CONTROL HOUSE	
TCR TRAIN CONTROL ROOM	
TEL TELEPHONE TEM TEMPORARY	
TEMP TEMPERATURE	
TERM TERMINAL, TERMINATION TL TENSION LENGTH	
TLB TERMINAL BOX	
TOR TOP OF RAIL	
TPB TAP BOX TPSS TRACTION POWER SUBSTATION	
TRK TRACK	
TS TANGENT TO SPIRAL, TEST SWITCH TTB TELEPHONE TERMINAL BOARD	
TVE TUNNEL VENTILATION EQUIPMENT	
TVM TICKET VENDING MACHINE TW TWISTED	
TYP TYPICAL	
U/S UNDERSIDE	
UE UNDERGROUND ELECTRICAL	
UF UNDERFLOOR UG UNDERGRADE, UNDERGROUND	
UGB UNDERGRADE BRIDGE	
UL UNDERWRITERS LABORATORIES INCORPORATED UNINS UNINSULATED	
UNO UNLESS NOTED OTHERWISE	
UP, UPRR UNION PACIFIC RAILROAD UPM UNDERPLATFORM	
UPS UNINTERRUPTIBLE POWER SUPPLY	
US UNIT SUBSTATION UTIL UTILITY	
V VOLT VA VOLT AMPS	
VAR VOLT-AMPERE REACTIVE, VARIES	
VERT VERTICAL VFD VARIABLE FREQUENCY DRIVE	
VLT VAULT	
VM VOLTMETER VS VOLTMETER SWITCH	
VT VOLTMETER TRANSDUCER, VOLTAGE TRANSFORMER	
W WATT WEST WIPE	
W WATT, WEST, WIRE WAO WORK AREA OUTLET	
W/ WITH	
W/O WITHOUT WB WESTBOUND	
WD WIRING DIAGRAM	
WP WEATHERPROOF, WOOD POLE WR WIRE RUN	
WRI WAYSIDE RADIO INSTALLATION	
WT WEIGHT WW WALKWAY	
WWF WELDED WIRE FABRIC	
XFMR TRANSFORMER XING CROSSING	
XING CROSSING Y&S YARD & SHOPS	
LINE, TRACK, STATIONS AND SYSTEMS C700-S-DB-E001.DW	
DESIGN UNIT 023 SIZE SCALE NONE	001.DWG
MILPHAS STATION CONTRACT NO. LEF	
C700	E REV.
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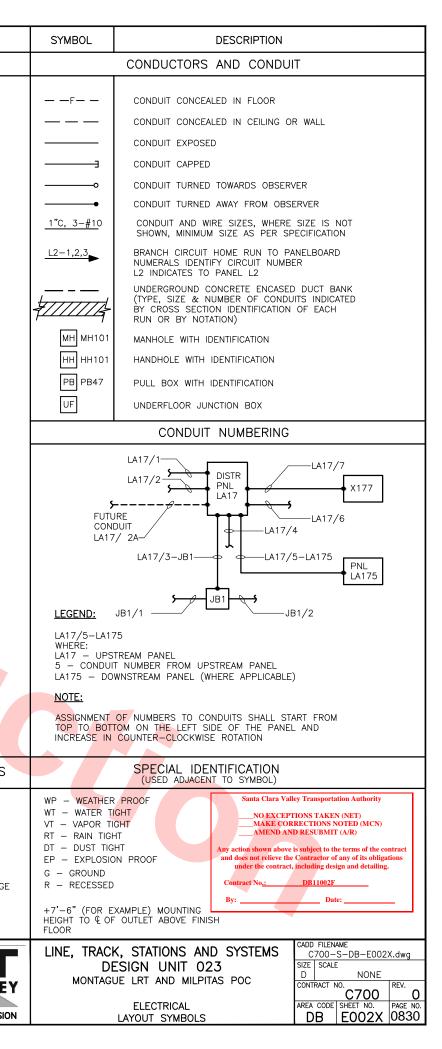
		-	-				
A A/G	AMPERE AT GRADE	E EAS EA EAC		J JB/JBOX	JUMPER JUNCTION BOX	QTY	QUANTITY
А́В	AIRBREAK, ANCHOR BOLT ABANDON, ABANDONED	EC EM	PTY CONDUIT	JCT	JUNCTION	(R) R OR R/	RELOCATE OR REMOVE AND SALVAGE
ABD ABUT	ABUTMENT	EF EXH	CTRICAL ENCLOSURE, EMERGENCY EXIT	kA KOMII	KILOAMPERE	R/A	ROCK ANCHOR
ABV AC	ABOVE ALTERNATING CURRENT	EL ELE	VATION CTRIC, ELECTRICAL	KCMIL kV	THOUSAND CIRCULAR MILS KILOVOLT	RC RD	REINFORCED CONCRETE ROAD
ACU	AIR CONDITIONING UNIT	ELEV ELE	VATOR	kVA KVAR	KILOVOLT AMPERE KILOVAR	RE	RUNNING EDGE OR RAIL
ACCP ACI	AIR CONDITIONI <mark>NG CO</mark> NTROL PANEL AMERICAN CONCRETE INSTITUTE		ERGENCY CTRICALLY OPERATED	kW	KILOWATT	RE-BAR REC	CONCRETE REINFORCING BAR RECEPTACLE
ACP	AC PANEL	EOS ELE	CTRICALLY OPERATED SWITCH	kWH	KILOWATT HOUR	RECT	RECTIFIER REFERENCE
AFF AFG	ABOVE FINISHED FLOOR ABOVE FINISHED GRADE	EPB EMI EQ EQU	ERGENCY PUSH BUTTON JAI	LA LB	LIGHTNING ARRESTER POUND, POUNDS	REINF	REINFORCED
ALT	ALTERNATE	EQUIP EQU	JIPMENT	LB/FT	POUNDS PER FOOT	RETWALL REV	RETAINING WALL REVISION
AM ANCH	AMMETER ANCHOR		RA STRENGTH XALATOR	LED LF	LIGHT EMITTING DIODE LINEAR FOOT	RGS	RIGID GALVANIZED STEEL
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	EST EST	IMATED	LG	LONG	RMS ROW	ROOT MEAN SQUARE RIGHT OF WAY
APPRO ARCH	ARCHITECTURAL/ARCHITECT		CETERA STING	LGTH LOC	LENGTH LOCATION	REQ'D	REQUIRED
AS	AMMETER SWITCH ASSEMBLY		IRENHEIT	LPS	LOW-PRESSURE SODIUM	RRX RT	RAILROAD GRADE CROSSING RIGHT
ASSY ASTM	ASSEMBLI AMERICAN SOCIETY FOR TESTING & MATERIALS			LPT LT	LOW POINT LIGHT OR LEFT	s	SOUTH
ATP ATS	AMPERE TRIP AUTOMATIC TRANSFER SWITCH		E ALARM CILITY	LTG LV	LIGHTING LOW VOLTAGE	SA	SURGE ARRESTER
AUX	AUXILIARY		E A <mark>LARM CONT</mark> ROL PANEL RNISHED BY OTHERS			SCH SD	SCHEDULE SMOKE DETECTOR, SYSTEM DEPTH
AVE AVG	AVENUE AVERAGE	FD FIR	E DEPARTMENT	M MAX	METER MAXIMUM	SEC	SECONDARY
AWG	AMERICAN WIRE GAUGE		JNDATION DER	MCC MCM	MOTOR CONTROL CENTER THOUSAND CIRCULAR MILS	SECT SES	SECTION SERVICE ENTRANCE SECTION
B/B	BACK-TO-BACK	FG FIN	ISHED GRADE	MDB	MAIN DISTRIBUTION BOARD	SF SHT	SUPPLY FAN
BATT BC	BATTERY BRANCH CIRCUIT		E HOSE CABINET URE	MECH MH	MECHANICAL MANHOLE	SIG	SHEET SIGNAL
BCB	BRANCH CIRCUIT BREAKER	FIN FIN	ISH	MIN	MINIMUM	SIM	SIMILAR
BD BEG	BOARD BEGIN	FIX FIX FL FLC	TURE DOR	MISC MLO	MISCELLANEOUS MAIN LUGS ONLY	SLPA SOP	SIGNAGE, LIGHTING, PUBLIC ADDRESS SETOUT POINT
BFG	BELOW FINISH GRADE	FLSW FLC	W SWITCH	MOS	MANUALLY OPERATED SWITCH	SP	SPARE, SUMP PUMP
BK BKR	BACK BREAKER	FOS FAC	IORESCENT TOR OF SAFETY	MR MTD	MOTOR MOUNTED	SPE SPEC	SINGLE-POLE SPECIFICATION
BL	BASELINE OR BLUE LIGHT	FP FUL	L PENETRATION	MTR	METER, METERING	SPS	SMALL PART STEELWORK
BLDG BSD	BUILDING BARE SOFT DRAWN	FT FEE	SED SWITCH IT, FOOT	mV MVA	MILLIVOLT MEGAVOLT AMPERE	SPST SQ	SINGLE POLE SINGLE THROW SQUARE
BR BRKT	BRIDGE BRACKET	FTG FOC FU FUS		MW	MEGAWATT	Sq Ft	SQUARE FEET
BTM	BOTTOM	FURN FUR	RNISH	(N)	NEW	Sq In SS	SQUARE INCHES SELECTOR SWITCH
BTWN	BETWEEN		L VOLTAGE NON-REVERSING	N N/A	NORTH NOT APPLICABLE	SST	STAINLESS STEEL
С Ф_ТО	CELSIUS ¢ CENTERLINE TO CENTERLINE	G/L GRO GA GAU	DUND LINE JGF	NÁG	NORTHERN AREA GUIDEWAY	ST STR	SHUNT TRIP STARTER
CAB	CABINET	GALV GAL	VANIZED	NC	NORMALLY CLOSED	STA STD	STATION, STATIONING STANDARD
CB CF	CIRCUIT BREAKER CUBIC FEET		OUND BUS P BREAKER STATION	NE NEC	NORTHEAST NATIONAL ELECTRICAL CODE	STRUCT	STRUCTURE
CHGR	CHARGER	GCP GEN	VERATOR CONTROL PANEL	NEG	NEGATIVE	STW SUB	SINGLE-THROW SUBSTATION
CIC CKT	COMMUNICATIONS INTERFACE CABINET CIRCUIT		DUND FAULT DUND FAULT INTERRUPTER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	SW	SWITCH
Ę	CENTERLINE	GFP GR	DUND FAULT PROTECTION	NESC NEUT	NATIONAL ELECTRICAL SAFETY CODE	SWBD SWR	SWITCHBOARD SYSTEM WIDE RACEWAY
CLG CLR	CEILING CLEARANCE, CLEAR	GND GRO	DUND GRID DUND	NFD	NEUTRAL NON-FUSED	SWS	SWITCHING STATION
CLT	CURRENT-LIMITING	GR GR	OUND ROD VANIZED RIGID STEEL	NFPA NIC	NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT	SYS	SYSTEM
CND COMM		GRSC GAL	VANIZED RIGID STEEL CONDUIT	NO	NORMALLY OPEN	T/F T/G	TOP OF FOUNDATION TOP OF FINISHED GRADE
COMP CONC			OUND TEST STATION	NOM NR	NOMINAL VIEW NOT REGISTERED	TBD	TO BE DETERMINED
COND	CONDUCTOR		RD DRAWN I DIP GALVANIZED	NS	NOT SUPPORTED	TBR TEL	TO BE REMOVED TELEPHONE
CONST CONT	T CONSTRUCTION CONTINUATION, CONTINUOUS	HEX HE>	AGONAL	NSR NTS	NOT SUPPORTED OR REGISTERED NOT TO SCALE	TEM TEMP	TEMPORARY TEMPERATURE
CONTR	R CONTRACTOR		IDHOLE H—INTENSITY DISCHARGE	0	OPEN	TERM	TERMINAL, TERMINATION
CPCB CPT	CONTROL POWER CIRCUIT BREAKER CONTROL POWER TRANSFORMER	HO HAN	ID-OPERATED	OC	ON CENTER	TLB TTB	TERMINAL BOX TELEPHONE TERMINAL BOARD
CR	CONDUIT RISER		ID-OFF-AUTOMATIC SWITCH RIZONTAL	OD OFF	OUTSIDE DIAMETER OFFSET	TYP	TYPICAL
CT CT	CURRENT TRANSFORMER	HP HO	RSEPOWER	OHB	OVERHEAD BRIDGE OVERLAP, OVERLOAD	U/S	UNDERSIDE
CTR CTRL	CENTER CONTROL		H-PRESSURE SODIUM GHT	OL OE	OVERLAP, OVERLOAD OVERLOAD ELEMENT	UE UF	UNDERGROUND ELECTRICAL UNDERFLOOR
G CY	CUBIC YARD	HV HIG	H VOLTAGE	Р	POLE	UG	UNDERGRADE, UNDERGROUND
D D		HVAC HEA	H VOLTAGE SUBSTATION TING, VENTILATION & AIR CONDITIONING	P/L PB	PROPERTY LINE PULLBOX OR PUSHBUTTON	UGB UL	UNDERGRADE BRIDGE UNDERWRITERS LABORATORIES INCORPORATED
DB DC	DIRECT BURIED, DUCT BANK DIRECT CURRENT		HWAY	PC	POINT OF CURVE	UNINS	UNINSULATED
DCP	DC PANEL	I OR INTLK INT		PEC PF	PHOTOELECTRIC POWER FACTOR, POINT OF FROG	UNO UPM	UNLESS NOTED OTHERWISE UNDERPLATFORM
້ DEG	DEAD END DEGREE	I/L INT	ERLOCKING	PG & E	PACIFIC GAS & ELECTRIC	UPS	UNINTERRUPTIBLE POWER SUPPLY
	DETAIL DIAMETER		ERRUPTING CAPACITY IDE DIAMETER	PH PI	PHASE POINT OF INTERSECTION	US UTIL	UNIT SUBSTATION UTILITY
E DIM	DIMENSION	IDS INT	RUSION DETECTION SYSTEM	PITO	POINT OF INTERSECTION OF TURNOUT	V	VOLT
DISC DISC S	DISCONNECT SW DISCONNECT SWITCH		TITUTE OF ELECTRICAL AND CTRONICS ENGINEERS	PL PNL	PLATE PANEL	VA	VOLT AMPS
°₂ DISTR	DISTRIBUTION	IN INC	H, INCHES	POC	PEDESTRIAN OVER CROSSING	VAR VERT	VOLT-AMPERE REACTIVE, VARIES VERTICAL
	DIGITAL POWER METER DISTRIBUTION POWER PANEL		OMING ULATOR	PR PRI	PAIR PRIMARY	VLT VM	VAULT VOLTMETER
	DISCONNECT SWITCH GROUP	INST INS	TANTANFOUS	PS	PUMP STATION POUNDS PER SQUARE FEET	VS	VOLTMETER SWITCH
DT DWG	DOUBLE—THROW DRAWING		ERNET PROTOCOL PRIVATE BRANCH EXCHAI LATED GROUND	NGE PSF PSI	POUNDS PER SQUARE FEET POUNDS PER SQUARE INCH	VT	VOLTMETER TRANSDUCER, VOLTAGE TRANSFORM
Giles			ERFACE TERMINAL CABINET	PT PVC	POINT OF TANGENT, POTENTIAL TRANSFORMER POLYVINYL CHLORIDE (CONDUIT) OR		
ю Е					POINT OF VERTICAL CÙRVE		
4:38p				PWR	POWER		
н м		G. LALWANI	PROFESSION	Skans	ka		
501		G. MARAVILL	A. C.	Shimm			SILICON VALLEY
n 21,		CHECKED BY		Herzo	g A Joint Venture		VTTA. SILICON VALLEY
3		IN CHARGE	EXP. 12/31/14 1970 Broadway, Suite	a Associates, 525 Ookland, CA 94612 37) Fax: (\$10),535-2339			F WWWA. SILICON VALLET
0 201307		R. BARLAAN		5) Fox: (\$10) 535-2339			BART SILICON VALLEY BERRYESSA EXTENSION
G DEV DATE	DESCRIPTION	20130710	SUBMITTED	CL. ALMAN (MARK)	APPROVED		LAN OLIVON WELLI DENNESSA EXTENSION

	W WAO W/ WP WR WRI WT WW XFMR Y&S	WATT, WEST, WIRE WORK AREA OUTLET WITH WITHOUT WIRING DIAGRAM WEATHERPROOF, WOOD POLE WIRE RUN WAYSIDE RADIO INSTALLATION WEIGHT WALKWAY TRANSFORMER YARD & SHOPS	
ORATED		Santa Clara Valley Transportatio	NET) FED (MCN) V/R) erms of the contract ty of its obligations and detailing.
	E MONTA	CK, STATIONS AND SYSTEMS DESIGN UNIT 023 GUE LRT AND MILPITAS POC ECTRICAL ABBREVIATIONS	C700-S-DB-E001X.DWG SIZE SCALE D NONE CONTRACT NO. AREA CODE SHEET NO. DB E001X 0828

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LIGHTING		SWITCH OUTLETS	PANELE	OARDS, SWITCHBOARDS AND CONTROLLERS
CEILING WALL		S	SINGLE-POLE SWITCH	FLUSH SURFACE	
ОЮ	SURFACE MOUNTED FIXTURE	S ₂	DOUBLE-POLE SWITCH		480/277V POWER PANEL
R HR	RECESSED FIXTURE	S ₃	THREE-WAY SWITCH		208/120V AC DISTRIBUTION PANELBOARD
	SURFACE EXIT LIGHT	S ₄	FOUR-WAY SWITCH		240/120V AC DISTRIBUTION PANELBOARD OR 48V DC DISTRIBUTION PANELBOARD
	RECESSED EXIT LIGHT	S _D S _K	DOOR SWITCH KEY OPERATED SWITCH		TERMINATION CABINET
0 H0	JUNCTION BOX	S _R	SWITCH WITH PILOT LIGHT		CONTROLLER
ЮHО	POLE MOUNTED FIXTURE	SL	SWITCH FOR LOW VOLTAGE SWITCHING SYSTEM		MOTOR STARTER WITH DISCONNECT
	SURFACE MTD LED (LIGHT EMITTING DIODE) LIGHT FIXTURE	SLM	MASTER SWITCH FOR LOW VOLTAGE SWITCHING SYSTEM	-	
•-¤	STREET LIGHT STANDARD FED FROM UNDERGROUND CIRCUIT	S _{MC}	MOMENTARY CONTACT SWITCH OR PUSHBUTTON FOR OTHER THAN SIGNALING SYSTEM	(M) M47	
	FLUORESCENT FIXTURE (4 FT)	S _M	MANUAL MOTOR OVERLOAD SWITCH	X X2	TRANSFORMER, WITH IDENTIFICATION
	FLUORESCENT FIXTURE (8 FT)	ST	TIME SWITCH		MOTOR CONTROL CENTER, 3 VERTICAL SECTIONS
	SURFACE CONTINUOUS-ROW FLUORESCENT FIXTURE	Sb	SUBSCRIPT "b" DENOTES SWITCH CIRCUIT	□ 30/3/WP	FUSED DISCONNECT SWITCH: SUBSCRIPT INDICATES:
	RECESSED CONTINUOUS-ROW FLUORESCENT FIXTURE	S _{DM}	DIMMER SWITCH		SWITCH RATING (AMPERES) NUMBER OR POLES
0- rQ	FLOODLIGHT, ARROWS INDICATE DIRECTION	S₅ ©	MOTION SENSOR SWITCH LIGHTING SENSOR		WP = WEATHERPROOF (NEMA-3R) AT +60" TO TOP OF ENCLOSURE
	& NUMBER OF LAMPS				NON-FUSED DISCONNECT SWITCH:
L L	DENOTES – EMERGENCY BATTERY PACK WITH SEALED BEAM LIGHTS		GROUNDING SYSTEM		SUBSCRIPT INDICATES: SWITCH RATING (AMPERES)
O⊾	SUBSCRIPT 6 NEAR FIXTURE INDICATES SWITCH CIRCUIT	—GB—	GROUND BUS		NF = NON-FUSÈD WP = WEATHERPROOF (NEMA-3R)
		GG	GROUND GRID		AT +60" TO TOP OF ENCLOSURE
	RECEPTACLE OUTLETS		GROUND ROD EXOTHERMICALLY WELDED		MAGNETIC 2- OR 3- POLE MOTOR STARTER AT +60" TO TOP OF ENCLOSURE
Ю	SINGLE RECEPTACLE OUTLET		GROUND WELL	⊥	COMBINATION STARTER
Ĥ	DUPLEX RECEPTACLE OUTLET		GROUND JUMPER		
₩ GFI	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER		METALLIC WATER PIPE GROUND	⊠ ₃	COMBINATION MAGNETIC MOTOR STARTER, WITH MOTOR CIRCUIT PROTECTOR. SUBSCRIPT INDICATES
₩ 30A-2F	SINGLE SPECIAL-PURPOSE RECEPTACLE OUTLET (30 AMP 2 POLE, OR AS NOTED)	\bullet	LIGHTNING AIR TERMINAL		NEMA SIZE
۲	DUPLEX SPECIAL-PURPOSE RECEPTACLE OUTLET	AT			PACKAGE CONTROLLER/FURNISHED WITH MECHANICAL EQUIPMENT UNO
НŴ	SPECIAL-PURPOSE CONNECTION OR PROVISION FOR CONNECTION. USE SUBSCRIPT LETTERS TO	G	GROUND CABLE – EXPOSED		TERMINAL CABINET, TYPES AS FOLLOWS:
CEILING WALL	INDICATE FUNCTION (FC-FARE COLLECTION, ETC)		UNDERGROUND GROUND CABLE WITH EXOTHERMIC WEL CONNECTION	.D	CIC – COMMUNICATIONS INTERFACE CABINET FTC – FACILITIES TERMINAL CABINET
© ⊦©	CLOCK HANGER RECEPTACLE	ව	GROUND PIGTAIL		ITC – INTERFACE TERMINAL CABINET RTU – REMOTE TERMINAL UNIT
E HE	FAN HANGER RECEPTACLE	LG	LIGHTNING CONDUCTOR		TTC – TELEPHONE TERMINAL CABINET CONTROL PANEL, TYPES AS FOLLOWS:
Θ	FLOOR BOX WITH SINGLE RECEPTACLE		GROUND TEST STATION	FACP	ACCP - AIR CONDITIONING CONTROL PANEL
, e	FLOOR BOX WITH DUPLEX RECEPTACLE	'			ACP – AUXILIARY CONTROL PANEL VCP – VENTILATION CONTROL PANEL
-E002.4	FIRE ALARM SYSTEM		EQUIPMENT DESIGNATION		RCP – REFRIGERATION CONTROL PANEL FCP – FAN CONTROL PANEL FACP – FIRE ALARM CONTROL PANEL
CEILING WALL		A – SWITCH	IBOARD	ETS	EMERGENCY TRIP STATION
	CONTROL PANEL	P – POWER	PANEL IG PANEL (480/277V)		LIGHTING, FIXTURE TYPE AND DESIGNATIONS
	PULL STATION		RY POWER PANEL (208/120V)		
EH E	BELL	X – TRANSF	FORMER	12'-0"	A. LETTER-NUMBER ABOVE CENTER BAR INDICATES TYPE OF FIXTURE
	HORN/STROBE OR COMBINATION	CP – CONTRO Z – DISCON	OL PANEL INECT SWITCH	1-150	B. SINGLE NUMBER BELOW THE CENTER BAR INDICATES
^{sig} H5	ANNUNCIATOR	M – MOTOR		20'-0" M13	LAMP WATTAGE
He He	WATER FLOW ALARM TRIP	MS - MOTOR		1-400	C. IF TWO NUMBERS ARE BELOW THE CENTER BAR, THE NUMBERS TO THE LEFT INDICATES NUMBER OF LAMPS
É H7	FIREHOSE CABINET TRIP	US - UNIT S	CONTROL CENTER UBSTATION	12'-0"	AND THE NUMBER TO THE RIGHT INDICATES LAMP WATTAGE
🖁 н н В н	DETECTOR, H-HEAT, S-SMOKE, C-COMBUSTIBLE PRODU		RRUPTIBLE POWER SUPPLY		D. NUMBER ABOVE SYMBOL INDICATES THE HEIGHT ABOVE FINISHED FLOOR TO BOTTOM OF FIXTURE
	VALVE ALARM MONITOR	VFD – VARIAB	LE FREQUENCY DRIVE		
1013 -	G. LALWA DRAWN BY		Skanska Shimmick 1436 Colifornia Circ Mipitas, California S	le 15035	
50	G. MARA) CHECKED BY L. CHEN		Herzog A Joint Venture		SILICON VALLEY
O20130710	IN CHARGE READINESS FOR CONSTRUCTION R. BARLA	12/31/14	Anil Verma Associates, Inc.	Andrews Inc. Y SOMPANY T-Y-LIN INTERNATIONAL	F WEEZ. SILICON VALLET
2	JB APP DESCRIPTION DATE 20130	710	SUBMITTED APPROVED	Ry Hollow th	BART SILICON VALLEY BERRYESSA EXTENSION



SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	LIGHTING		SWITCH OUTLETS	PANELB	OARDS, SWITCHBOARDS AND CONTROLLERS
CEILING WALL		S	SINGLE-POLE SWITCH	FLUSH SURFACE	
ОЮ	SURFACE MOUNTED FIXTURE	S S ₂	DOUBLE-POLE SWITCH		480/277V POWER PANEL
R	RECESSED FIXTURE	S ₃	THREE-WAY SWITCH		208/120V AC DISTRIBUTION PANELBOARD
⊗ +⊗	SURFACE EXIT LIGHT	SD	DOOR SWITCH		240/120V AC DISTRIBUTION PANELBOARD
\mathbb{R}	RECESSED EXIT LIGHT	S _K	KEY OPERATED SWITCH		OR 48V DC DISTRIBUTION PANELBOARD TERMINATION CABINET
® ⊬®	BLANKED FIXTURE OUTLET	S _P S _L	SWITCH WITH PILOT LIGHT SWITCH FOR LOW VOLTAGE SWITCHING SYSTEM		CONTROLLER
U HU	JUNCTION BOX	SL SLM	MASTER SWITCH FOR LOW VOLTAGE SWITCHING SYSTEM		
ЮHО	POLE MOUNTED FIXTURE	S _{MC}	MOMENTARY CONTACT SWITCH OR PUSHBUTTON		MOTOR STARTER WITH DISCONNECT
•-¤	STREET LIGHT STANDARD FED FROM	S _M	FOR OTHER THAN SIGNALING SYSTEM MANUAL MOTOR OVERLOAD SWITCH	M M47	MOTOR, WITH IDENTIFICATION
	FLUORESCENT FIXTURE (4 FT)	S _M S⊺	TIME SWITCH	X X2	TRANSFORMER, WITH IDENTIFICATION
	FLUORESCENT FIXTURE (8 FT)	Sb	SUBSCRIPT "b" DENOTES SWITCH CIRCUIT		MOTOR CONTROL CENTER, 3 VERTICAL SECTIONS
	SURFACE CONTINUOUS-ROW FLUORESCENT FIXTURE	S _{DM}	DIMMER SWITCH	☐ 30/3/WP	FUSED DISCONNECT SWITCH: SUBSCRIPT INDICATES:
OR I	RECESSED CONTINUOUS-ROW FLUORESCENT FIXTURE	Ss	SENSOR SWITCH		SWITCH RATING (AMPERES) NUMBER OR POLES
०- म्द्	FLOODLIGHT, ARROWS INDICATE DIRECTION	S	LIGHTING SENSOR		WP = WEATHERPROOF (NEMA-3R) AT +60" TO TOP OF ENCLOSURE
	& NUMBER OF LAMPS				NON-FUSED DISCONNECT SWITCH:
L L	DENOTES – EMERGENCY BATTERY PACK WITH SEALED BEAM LIGHTS		GROUNDING SYSTEM	□ 30/3/WP	SUBSCRIPT INDICATES: SWITCH RATING (AMPERES)
O 6	SUBSCRIPT & NEAR FIXTURE INDICATES SWITCH CIRCUIT	GB	GROUND BUS		NF = NON-FUSÈD WP = WEATHERPROOF (NEMA-3R)
		GG	GROUND GRID	_	AT +60" TO TOP OF ENCLOSURE
	RECEPTACLE OUTLETS		GROUND ROD EXOTHERMICALLY WELDED		MAGNETIC 2- OR 3- POLE MOTOR STARTER AT +60" TO TOP OF ENCLOSURE
Ю	SINGLE RECEPTACLE OUTLET		GROUND WELL		COMBINATION STARTER
₩	DUPLEX RECEPTACLE OUTLET DUPLEX RECEPTACLE WITH GROUND FAULT	<u>م_</u> ه	GROUND JUMPER		
	INTERRUPTER		METALLIC WATER PIPE GROUND	XX 3	COMBINATION MAGNETIC MOTOR STARTER, WITH MOTOR CIRCUIT PROTECTOR. SUBSCRIPT INDICATES
₩ 30A-2F	SINGLE SPECIAL-PURPOSE RECEPTACLE OUTLET (30 AMP 2 POLE, OR AS NOTED)	•	LIGHTNING AIR TERMINAL		NEMA SIZE PACKAGE CONTROLLER/FURNISHED WITH MECHANICAL
H A	DUPLEX SPECIAL-PURPOSE RECEPTACLE OUTLET SPECIAL-PURPOSE CONNECTION OR PROVISION	AT	GROUND CABLE – EXPOSED		EQUIPMENT UNO
НÔ	FOR CONNECTION. USE SUBSCRIPT LETTERS TO INDICATE FUNCTION (FC-FARE COLLECTION, ETC)	G	UNDERGROUND GROUND CABLE WITH EXOTHERMIC WELD		TERMINAL CABINET, TYPES AS FOLLOWS:
	CLOCK HANGER RECEPTACLE	T	CONNECTION		CIC – COMMUNICATIONS INTERFACE CABINET FTC – FACILITIES TERMINAL CABINET ITC – INTERFACE TERMINAL CABINET
		ව	GROUND PIGTAIL		RTU – REMOTE TERMINAL UNIT TTC – TELEPHONE TERMINAL CABINET
	FAN HANGER RECEPTACLE	LG	LIGHTNING CONDUCTOR	FACP	CONTROL PANEL, TYPES AS FOLLOWS:
	FLOOR BOX WITH SINGLE RECEPTACLE	=	GROUND TEST STATION		ACCP – AIR CONDITIONIN <mark>G C</mark> ONTROL PANEL ACP – AUXILIARY CONTROL PANEL
BMP:XX	FLOOR BOX WITH DUPLEX RECEPTACLE		EQUIPMENT DESIGNATION	-	VCP – VENTILATION CONTROL PANEL RCP – REFRIGERATION CONTROL PANEL
	FIRE ALARM SYSTEM				FCP – FAN CONTROL PANEL FACP – FIRE ALARM CONTROL PANEL
CEILING WALL H1	CONTROL PANEL	A – SWITCH P – POWER			EMERGENCY TRIP STATION
	PULL STATION		IG PANEL (480/277V)		LIGHTING, FIXTURE TYPE AND DESIGNATIONS
	BELL		RY POWER PANEL (208/120V)	1 <u>2'-0</u> "	
	HORN/STROBE OR COMBINATION	X – TRANSF CP – CONTR		M5 1-150	A. LETTER-NUMBER ABOVE CENTER BAR INDICATES TYPE OF FIXTURE
H5	ANNUNCIATOR	Z – DISCON	INECT SWITCH	2 <u>0'</u> –0"	B. SINGLE NUMBER BELOW THE CENTER BAR INDICATES
H6	WATER FLOW ALARM TRIP	M – MOTOR MS – MOTOR		M13 1-400	C. IF TWO NUMBERS ARE BELOW THE CENTER BAR, THE
	FIREHOSE CABINET TRIP		CONTROL CENTER	12'-0"	NUMBERS TO THE LEFT INDICATES NUMBER OF LAMPS AND THE NUMBER TO THE RIGHT INDICATES LAMP WATTAGE
за 2012 Вн Н8 н		US – UNIT S U – UNINTE	UBSTATION RRUPTIBLE POWER SUPPLY	$\frac{12 - 0}{1 - 70}$	D. NUMBER ABOVE SYMBOL INDICATES THE HEIGHT ABOVE
	VALVE ALARM MONITOR		LE FREQUENCY DRIVE	<u>\/0</u>	FINISHED FLOOR TO BOTTOM OF FIXTURE
	DESIGNED BY G. LALWANI	PROFESS/ON	Skanska	1	
	DRAWN BY G. MARAVILL CHECKED BY		Herzog A Joint Venture		BART
	L. CHEN IN CHARGE	E11904 EXP. ★ 12/31/14	Anil Verma Associates, Inc.	T.Y.LIN INTERNATIONAL	SILICON VALLEY
0 20130710 REV DATE BY S	READINESS FOR CONSTRUCTION R. BARLAAN UB APP DESCRIPTION DATE 20130710	OF CALIFOR	SUBMITTED APPROVED APPROVED	Asthem th	BART SILICON VALLEY BERRYESSA EXTENSION
	20130710			·	I



SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	
	TRANSFORMER, WITH IDENTIFICATION RATING, PHASE, AND VOLTAGE INDICATED	þ	NETWORK PROTECTOR		RECTIFIER BRIDGE		ουτ
X01 750 277/	KVA, 3ø, 4W 4 <mark>80V O</mark> R 120/208V	ç	REACTOR	- # # -	OVERLOAD RELAY CONTACTS		FUN
Δ	30, 3 WIRE DELTA TRANSFORMER CONNECTION	ξ	REACTOR		COIL, OPERATING		CON
Ύ	30 WYE, GROUNDED NEUTRAL TRANSFORMER	→ ^{2400/120} 2	POTENTIAL TRANSFORMER WITH NUMBER AND RATIO AS INDICATED	®	PILOT A AMBER LIGHT G GREEN		CON
. ↓	CABLE POTHEAD	Ц _{100:5}	CURRENT TRANSFORMER WITH		INDICATING LIGHT R RED W WHITE		MUL
_	GROUND CONNECTION	⊅ 3 ⊾	NUMBER AND RATIO AS INDICATED		FUSE, SIZE AS NOTED		SHI
	BUS	Ē	CURRENT TRANSFORMER WITH POLARITY MARKINGS		PRIMARY OIL FUSE CUTOUT		WITH
↑	DISCONNECTING DEVICE	35	POTENTIAL TRANSFORMER WITH POLARITY MARKINGS		SINGLE POLE CIRCUIT BREAKER, SIZE AS INDICATED	↓ 	COA CAE
252-21	CIRCUIT BREAKER, 34.5KV, 3P, DRAWOUT	A	AMMETER Santa Clara Valley Transportation Authority		PUSHBUTTON SWITCH, MOMENTARY CONTACT, NC LO		TER
Ť	WITH IDENTIFICATION No.	$\overline{\mathbb{V}}$	VOLTMETERNO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R)		INDICATES LOCK-OUT PUSHBUTTON SWITCH. MOMENTARY CONTACT. NO		WIR
	SINGLE UNIT DRAW-OUT CIRCUIT BREAKER	(W)	KILOWATT METER Any action shown above is subject to the terms of the c and does not relieve the Contractor of any of its oblig	contract H	SELECTOR SWITCH, HAND-OFF-AUTOMATIC, OR AS NOTED		BAT
l v) ¥	WITH CURRENT LIMITERS	(WF)	wild over hot curve une Contract. Including design and detailin KILOWATTHOUR METER Contract No.: DB11002F		K=KEY OPERATED (STANDARD OR HEAVY DUTY INDUSTRIAL CONTROL)	5 MP101	мот
Å.	DRAW-OUT CIRCUIT BREAKER AND CURRENT	(PF)	POWER FACTOR METER By: Date:		SELECTOR SWITCH (WAFER TYPE)		IDEN BUS
	LIMITER MOUNTED IN SEPARATE COMPARTMENT WITH MECHANICAL AND ELECTRICAL INTERLOCK	B	A-C INSTANTANEOUS OVERCURRENT		SINGLE POLE SINGLE THROW SWITCH	Ļ	GRC
¥		(51)	AND TIME OVERCURRENT RELAYS		SINGLE POLE DOUBLE THROW SWITCH		GRC ENC
	CIRCUIT BREAKER, DRAW-OUT TYPE, CURRENT TRIP VALUE INDICATED BELOW LINE AND BREAKER FRAME SIZE ABOVE LINE	(27)	UNDERVOLTAGE				FLO
100	MOLDED CASE CIRCUIT BREAKER, CURRENT TRIP	\diamond	RELAY		SOLENOID VALVE		FUT
$\frac{100}{70}$ $\frac{1}{1}$ 101	VALUE INDICATED BELOW LINE AND BREAKER FRAME SIZE ABOVE LINE	ĸ	KEY INTERLOCK	-000-	LIMIT SWITCH, NORMALLY OPEN		MEC
$\frac{100}{70}$) 101	CIRCUIT BREAKER, MAGNETIC OVERLOAD TYPE,	VS	VOLTMETER SWITCH		LIMIT SWITCH, NORMALLY CLOSED		HAL
	CURRENT TRIP VALUE INDICATED BELOW LINE AND BREAKER FRAME SIZE ABOVE LINE	AS	AMMETER SWITCH		LIMIT SWITCH, NO, HELD CLOSED BY ACTUATOR		FIXE
	CONDINATION DEVERSING NOTOR STARTED	_	CONTROL SWITCH		LIMIT SWITCH, NC, HELD OPEN BY ACTUATOR		ADJ
Í	COMBINATION REVERSING MOTOR STARTER WITH DRAWOUT ISOLATING SWITCH, CURRENT LIMITING FUSE AND VACUUM CONTACTOR	cs			PRESSURE SWITCH, NORMALLY OPEN, CLOSES ON RISING PRESSURE		SPL SPL
t _f ÷		 	NORMALLY OPEN CONTACT, AUXILIARY OR RELAY NORMALLY CLOSED CONTACT, AUXILIARY OR RELAY	- <u>~</u> Z~-	PRESSURE SWITCH, NORMALLY CLOSED, OPENS ON RISING PRESSURE		TIME
100 L)	COMBINATION MOTOR STARTER CIRCUIT BREAKER AND STARTER SIZE		NORMALLY OPEN CONTACT, SIGNAL FROM CENTRAL		FLOW SWITCH, NORMALLY OPEN, CLOSES WITH FLOW	†™ TC	(OP
	AS INDICATED	<u>}/</u>	NORMALLY CLOSED CONTACT, SIGNAL FROM CENTRAL	- <u></u>	FLOW SWITCH, NORMALLY CLOSED, OPENS WITH FLOW	₹ TC	TIMI (TIN
		-0-0-	NORMALLY-OPEN CONTACT, TIME DELAY ON		TEMPERATURE SWITCH, CLOSES ON RISING TEMPERATURE (COOLING THERMOSTAT)	<u></u> <u></u> то	TIMI (TIM
30A /	SWITCH, NON FUSED, 30A RATING	~ 	PICK-UP (ENERGIZED) NORMALLY-CLOSED CONTACT, TIME DELAY ON	<u> </u>	TEMPERATURE SWITCH, OPENS ON RISING TEMPERATURE (HEATING THERMOSTAT)		ТІМЕ
se June 1		^	PICK-UP (ENERGIZED) NORMALLY-OPEN CONTACT, TIME DELAY ON		LEVEL CONTROLLER (SWITCH), NORMALLY OPEN AT LOW POSITION, CLOSES ON RISE	₹™	(CLC
	SWITCH, FUSED, 30A RATING	- \$	DROP-OUT (DE-ENERGIZED)		LEVEL CONTROLLER (SWITCH), NORMALLY CLOSED	++- •	
	TRANSFORMER, 3 WINDING	°+ <u>°</u>	NORMALLY-CLOSED CONTACT, TIME DELAY ON DROP-OUT (DE-ENERGIZED)		AT LOW POSITION, OPENS ON RISE REMOVABLE LINK	G	GEN
		₩	DIODE OR RECTIFIER HALF-BRIDGE		DISCONNECTING SWITCH	66	LOC
	INTERPHASE TRANSFORMER	→	ZENER DIODE		LOAD INTERRUPTER SWITCH		HAN
			CAPACITOR		CABLE STRESS CONE		
013 - 2:	Designed by G. LALWANI Drawn by	PROFESSIONAL SOCIENT	Skanska Shimmick 1436 California Circle Milpitas, California 95035	·		LINE, TRACK, S	
10 20. 2	G. MARAVILLA CHECKED BY L. CHEN	E11904	Herzog A Joint Venture		SILICON VALLEY	DESIG MILF	GN U PITAS
O 20130710 REA REV DATE BY SUB	N CHARGE ADINESS FOR CONSTRUCTION R. BARLAAN DATE	the second	Anil Verma Associates, Inc. Problementer, Bulle State Problementer, Bulle	IN INTERNATIONAL	BART SILICON VALLEY BERRYESSA EXTENSION		
	DESCRIPTION 20130710		APPROVED			DIAG	GRAM S

	SYMBOL	DESCRIF	PTION
		OUTLINE OF EQUIPMENT FUNCTIONAL CONNECTION, CLO CONDUCTORS CONNECTED CONDUCTORS, NOT CONNECTED MULTICONDUCTOR CABLE SHIELDED 2 CONDUCTOR CABLE WITH SHIELD GROUNDED COAXIAL CABLE TERMINAL STRIP, WITH 3 WIRES WIRING TERMINAL	SE, TRIP OR INTERLOCK
OTED		BATTERY MOTOR, INSIDE NUMBER INDICA IDENTIFICATION NUMBER BUS WAY GROUND GROUND CONNECTION TO EQUI ENCLOSURE FLOOR OPENING WITH GROUND FUTURE OR NIC MECHANICAL CONNECTION HALL EFFECT CURRENT SENSO FIXED RESISTOR ADJUSTABLE RESISTOR SPLICE WITH NO SHEATH ISOLATION	IPMENT DING CONDUCTOR R ATION
W TURE URE		TIMED CONTACT, NO, TIME CLC (OPENS INSTANTLY ON DE-ENI TIMED CONTACT, NC, OPENS IN (TIME CLOSING ON DE-ENERGI TIMED CONTACT, NO, CLOSES (TIME OPENING ON DE-ENERGI TIMED CONTACT, NC, TIME OPE (CLOSES INSTANTLY ON DE-EN LIGHTNING OR SURGE PROTECTION GENERATOR LOCKOUT RELAY, HAND RESET	ERGIZING) NSTANTLY ON ENERGIZING IZING) INSTANTLY ON ENERGIZING IZING) ENING ON ENERGIZING
	DESIG	TATIONS AND SYSTEMS IN UNIT 023 PITAS STATION LECTRICAL RAM SYMBOLS	CADD FILENAME C700-S-DB-E003.dwg SIZE SCALE D NONE CONTRACT NO. REA CODE SHEET NO. DB E003 0831

	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
Particle		TRANSFORMER, WITH IDENTIFICATION RATING, PHASE,	•)	NETWORK PROTECTOR		RECTIFIER BRIDGE
A A <td>X01 750</td> <td>1</td> <td>۲ لح</td> <td></td> <td>_///</td> <td>OVERLOAD RELAY CONTACTS</td>	X01 750	1	۲ لح		_ ///	OVERLOAD RELAY CONTACTS
Ale wind of address of the series of the serie			ξ	REACTOR		COIL, OPERATING
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		BUS	*			
	*	DISCONNECTING DEVICE				
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	252−21 ¥		A	NO EACET HONS TAKEN (AET) MAKE CORRECTIONS NOTED (MCN)		PUSHBUTTON SWITCH, MOMENTARY CONTACT, NC LO INDICATES LOCK-OUT
			\heartsuit	VOLTMETER Any action shown above is subject to the terms of the contract		PUSHBUTTON SWITCH, MOMENTARY CONTACT, NO
With KURNED BERKER AD CURRENT UM VERMENTAL COMMUNICATION UM VERMENTAL DATA COMMUNICATION UM VER			ĸw	KILOWATT METER under the contract, including design and detailing.	<u>→</u>	K=KEY OPERATED
	Ý		(WP)	KILOWATTHOUR METER By: Date:	A	(STANDARD OR HEAVY DUTY INDUSTRIAL CONTROL)
ADD THEY CAREAD ARRY ADD THE CAREAD ARRY ADD THE CAREAD ARRY ADD THE CAREAD ARRY ADD THE			PF	POWER FACTOR METER		SELECTOR SWITCH (WAFER TYPE)
CONSULT BEAMERS, DAWNOOT THE CURRENT THEP CONSULT BEAMERS, DAWNOOT THE CURRENT THEP LANGE LANGER		WITH MECHANICAL AND ELECTRICAL INTERLOCK	(50 5)			SINGLE POLE SINGLE THROW SWITCH
000000000000000000000000000000000000	₩		(51N)	A-C NEUTRAL TIME OVERCURRENT RELAYS		SINGLE POLE DOUBLE THROW SWITCH
100 101 102 102 103 103 103 103 103 103 103 103 103 103	1000 900	TRIP VALUE INDICATED BELOW LINE AND	(27)			SOLENOID VALVE
75 NOT PROME SUZE ADDRE UNE CAR AND BREACK 100 CONTRUE SUZE ADDRE UNE Image: Suze ADDRE UNE 100 COMBINATION REVERSING WORK STAFTER WITH DEWACHT BRUACH SIZE ADDRE UNE Image: Suze ADDRE UNE 100 COMBINATION REVERSING WORK STAFTER WITH DEWACHT BRUACH STAFTER UMMING FUEL AND VECUMO UNE Image: Suze ADDRE UNE 100 COMBINATION REVERSING WORK STAFTER WITH DEWACHT BRUACHT BRUACH STAFTER UMMING FUEL AND VECUMO UNE Image: Suze ADDRE UNE 100 COMBINATION NOTOR STAFTER UMMING FUEL AND VECUMO UNE Image: Suze ADDRE UNE 100 COMBINATION NOTOR STAFTER UMMING FUEL AND VECUMO UNE Image: Suze ADDRE UNE 100 COMBINATION NOTOR STAFTER UMMING FUEL AND VECUMO UNE Image: Suze ADDRE UNE 100 COMBINATION NOTOR STAFTER SUBJECT ADDRE UNE CONTACT, SIGNAL FROM CENTRAL VECUME UNICK STAFTER SUBJECT ADDRE UNE CONTACT, SIGNAL FROM CENTRAL VECUME UNICK STAFTER SUBJECT ADDRE UNE CONTACT, THE DELAY ON PRISON SUBJECT ADDRE UNE CONTACT, THE DELAY ON PRISON ADDRE ON TRAIL CLOSES ON RESIDE CONTACT, THE DELAY ON PRISON SUBJECT ADDRE ON RESIDE CONTACT, THE DELAY ON PRI	100	MOLDED CASE CIRCUIT BREAKER, CURRENT TRIP	_			
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AND BREAKER FRAME SIZE ASOVE UNE WATER AND BREAKER FRAME SIZE ASOVE UNE WATER CONTROL SWITCH, CURRENT UNIT SWITCH, NC, HELD OPEN BY ACTUATOR WITH DRAWLIN OPEN CONTACT, AUXUARY OR RELAY NORMALLY OPEN CONTACT, SIGNAL FROM CENTRAL AS INDICATED SWITCH, NOR FUSED, 30A RATING SWITCH, FUSED, 30A RAT	$\frac{100}{70}$ () 101	CIRCUIT BREAKER, MAGNETIC OVERLOAD TYPE,		VOLTMETER SWITCH		
COMBINATION REVERSING MOTOR STAFTER WITH DRANDUT ISOLATING SWITCH, CURRENT LIMITION FUES AND VACUUM CONTACTOR WITH DRANDUT SOLATING SWITCH, CURRENT COMBINATION MOTOR STAFTER COMBINATION MOTOR STAFTER SINCH, NORMALLY OPEN, CONTACT, SIGNAL FROM CENTRAL AS INDICATED SWITCH, NORMALLY OPEN, CONTACT, SIGNAL FROM CENTRAL NORMALLY OPEN CONTACT, TIME DELAY ON PICK-UP (INREGIZED) SWITCH, FUSED, 30A RATING TRANSFORMER, 3 WINDING INTERPHASE TRANSFORMER CURRENT CURRENT TRANSFORMER CURRENT CURRE		AND BREAKER FRAME SIZE ABOVE LINE				
With DRAWOUT ISOLATING SWITCH, CURRENT LIMITING RUGUE AND VACUUM CONTACTOR Image: Contract and the contract of t						LIMIT SWITCH, NC, HELD OPEN BY ACTUATOR
100 COMBINATION MOTOR STARTER CICIUM BREAKER AND STARTER SIZE NORMALLY CLOSED CONTACT, AUXILIARY OR RELAY NORMALLY OPEN CONTACT, SIGNAL FROM CENTRAL NORMALLY OPEN CONTACT, SIGNAL FROM CENTRAL Image: Signal from Switch, Normally OPEN, CLOSES WITH FLOW FLOW Switch, NORMALLY CLOSED, OPENS WITH FLOW 30a Switch, NON FUSED, 30a Rating Image: Signal from Central NORMALLY-OPEN CONTACT, TIME DELAY ON PICK-UP (ENERGIZED) Image: Switch, NORMALLY CLOSED CONTACT, TIME DELAY ON PICK-UP (ENERGIZED) Image: Switch, NORMALLY CLOSED CONTACT, TIME DELAY ON PICK-UP (ENERGIZED) 30a Switch, FUSED, 30a Rating Image: Switch, FUSED, 200 Rating Image: Switch, FUSED, 700 Rating Image: Switch, FUSE	¢	WITH DRAWOUT ISOLATING SWITCH, CURRENT		CONTROL SWITCH	_~ <u>~</u> ~	
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30A SWITCH, FUSED, 30A RATING PICK-UP (ENERGIZED) Image: Contract relation of the product of the pro	30A /	SWITCH, NON FUSED, 30A RATING	- Å	PICK-UP (ENERGIZED)	<u> </u>	
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Interphase transformer Bisioned BY G. LaLWANI Disconset BY G. Markavilla <		SWITCH, FUSED, 30A RATING	- \$		6	
TRANSFORMER, 3 WINDING INTERPHASE TRANSFORMER INTERPHASE TR			0- <u>-</u> 0			
INTERPHASE TRANSFORMER INTERPHASE TRANSFORMER Image: Construction of the constructi		TRANSFORMER, 3 WINDING	¥ N			REMOVABLE LINK
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CABLE STRESS CONE		INTERPHASE TRANSFURMER	,		_*_	LOAD INTERRUPTER SWITCH
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		CHECKED BY L. CHEN IN CHARGE	(当) E11904 (当) 第	A Joint Venture		
	2	ADINESS FOR CONSTRUCTION R. BARLAAN DATE	CALECTRICAL N	SUBMITTED Oxford, CA 94512 SUBMITTED APPROVED APPROVEDAPPROVEDAPPROVED	In INTERNATIONAL	BART SILICON VALLEY BERRYESSA EXTENSION

	SYMBOL	DESCRIF	PTION					
		OUTLINE OF EQUIPMENT						
		FUNCTIONAL CONNECTION, CLOS	SE, TRIP OR INTERLOCK					
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		CONDUCTORS, NOT CONNECTED						
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	÷	GROUND						
		GROUND CONNECTION TO EQUIPMENT ENCLOSURE						
		FLOOR OPENING WITH GROUND	ING CONDUCTOR					
		FUTURE OR NIC						
		MECHANICAL CONNECTION						
	cx []	HALL EFFECT CURRENT SENSOR						
		FIXED RESISTOR						
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		SPLICE WITH NO SHEATH ISOLATION						
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	70	TIMED CONTACT, NC, TIME OPE (CLOSES INSTANTLY ON DE-EN						
	#0 0-	LIGHTNING OR SURGE PROTECTION						
	G	GENERATOR						
	69	LOCKOUT RELAY, HAND RESET						
	LINE, TRACK. S	TATIONS AND SYSTEMS	CADD FILENAME C700-S-DB-E003X.dwg					
	DESIG	N UNIT 023 RT AND MILPITAS POC	size scale D NONE					
Y		LECTRICAL	CONTRACT NO. C700 AREA CODE SHEET NO. PAGE NO.					
N	E DIAGI	DB E003X 0832						

- 1. THE SEISMIC BRACING AND ANCHORAGE OF ELECTRICAL CONDUITS, WIREWAYS, SHALL BE IN ACCORDANCE WITH THE "GUIDELINE FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS," PUBLISHED BY SMACNA AND PPIC, AND APPROVED BY DSA, OCTOBER 13, 1982, DSA PRE-APPROVAL NUMBER R0010-1A, OR PER DSA PRE-APPROVAL NUMBER 5003 FOR SUPER STRUT-SEISMIC RESTRAINT SYSTEM, OR PER DSA PRE-APPROVAL NUMBER R0071, THE KIN-LINE SEISMIC RESTRAINT SYSTEM.
- 2. ALL ELECTRICAL PREFABRICATED EQUIPMENT SHALL BE DESIGNED AND CONSTRUCTED IN SUCH A MANNER THAT ALL PORTIONS, ELEMENTS, SUB-ASSEMBLIES AND/OR PARTS OF SAID EQUIPMENT, AND THE EQUIPMENT AS A WHOLE INCLUDING ITS ATTACHMENTS, WILL RESIST A LOAD WHICH EXCEEDS THE FORCE LEVEL USED TO RESTRAIN AND ANCHOR THE EQUIPMENT TO THE SUPPORTING STRUCTURE.
- 3. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY UNDERWRITER'S LABORATORIES (UL) AND BEAR THEIR LABEL, OR LISTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING AUTHORITY WHERE UL DOES NOT HAVE A LISTING. CUSTOM MADE EQUIPMENT SHALL HAVE COMPLETE TEST DATA SUBMITTED BY THE MANUFACTURER ATTESTING TO ITS SAFETY. IN ADDITION, THE MATERIALS, EQUIPMENT, AND INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE FOLLOWING: AMERICAN SOCIETY OF TESTING MATERIALS (ASTM) INSULATED POWER CABLE ENGINEERS ASSOCIATION (IPCEA) NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) AMERICAN STANDARD ASSOCIATION (ASA) NATIONAL FIRE PROTECTION AGENCY (NFPA) AMERICAN NATIONAL STANDARD INSTITUTE (ANSI) CALIFORNIA ELECTRICAL CODE (CEC) - LATEST EDITION CALIFORNIA CODE OF REGULATIONS TITLE 24 (CCR) INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE) ALL LOCAL CODES HAVING JURISDICTION. WHERE THE CODES HAVE DIFFERENT LEVELS OF REQUIREMENTS, THE MOST STRINGENT RULE SHALL
- DIFFERENT LEVELS OF REQUIREMENTS, THE MOST STRINGENT RULE SHALL APPLY AS DETERMINED BY ENGINEER OF RECORD.
- 4. ALL POWER UTILITY WORK SHALL BE IN COMPLIANCE WITH THESE DRAWINGS AND THE REQUIREMENTS OF THE SERVING UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE SERVING UTILITY TO RECEIVE COMPLETE INFORMATION ON THEIR REQUIREMENTS PRIOR THE SUBMISSION OF THE BID. THE ACT OF SUBMITTING THE BID SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO INSTALL SERVICE IN COMPLIANCE WITH THE SERVING UTILITY AND THE CONTRACT DOCUMENTS.
- 5. ALL ITEMS SUCH AS SERVICE CONDUIT, CONDUCTORS, DUCTS, CONCRETE PADS, TRANSFORMERS, RISERS, MANHOLES, PULL BOXES, AND PROTECTIVE COVERING FROM SERVICE LOCATION SHALL BE PROVIDED AND INSTALLED, AND SHALL BE VERIFIED WITH THE SERVING UTILITY COMPANY. THE CONTRACTOR SHALL PROVIDE THE SERVICE IN COMPLIANCE WITH THE SERVING UTILITY COMPANY, AND SHALL PAY ALL CHARGES LEVIED BY THE SERVING UTILITY COMPANY FOR HIS SERVICE EXCEPT THE FIRST BILLING DEPOSIT. WHERE THE CONTRACT DOCUMENTS ARE MORE RESTRICTIVE, THE DOCUMENTS SHALL GOVERN.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TEMPORARY POWER FACILITIES AND CONNECTIONS FOR ALL SYSTEMS REQUIRED THROUGH THE COURSE OF CONSTRUCTION AND TO COORDINATE SERVICES WITH THE UTILITY AGENCY.
- 7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW AND TO COORDINATE WITH THE MECHANICAL, AND OTHER TRADE APPLICABLE.
- 8. FOR CONNECTION OF HVAC EQUIPMENT SHALL BE MOUNTED ON UNISTRUT STANDS UTILIZING APPROVED PITCH POCKETS, FLASHING, ETC.. AS DIRECTED BY ARCHITECT. EQUIPMENT "SHALL NOT" BE MOUNTED ON HVAC EQUIPMENT.
- 9. ALL FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTOR.
- 10. COORDINATE WITH OTHER TRADES AS TO THE EXACT LOCATION AND CONFIGURATION OF THEIR RESPECTIVE EQUIPMENT. SUPPLY POWER AND MAKE CONNECT TO MOTORS AND EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS AS INDICATED ON THE SINGLE LINE DIAGRAM, ELECTRICAL DRAWINGS, AND DRAWINGS OF OTHER TRADES. REVIEW THE DRAWINGS OF OTHER TRADES FOR CONTROL DIAGRAMS, SIZE AND LOCATION OF EQUIPMENT. DISCONNECT SWITCHES, STARTERS, WIRING, CONTROLS, AND CONDUIT FOR MECHANICAL AND PLUMBING OPERATIONS SHALL BE PROVIDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING MANUFACTURER'S SHOP DRAWINGS PRIOR TO ROUGHING IN ALL CONDUIT TO THIS EQUIPMENT.

- 11. EXACT METHOD AND LOCATION OF CONDUIT PENETRATION AND OPENINGS IN CONCRETE OR MASONRY WALLS, GRADEBEAMS, FLOORS OR STRUCTURAL STEEL MEMBERS SHALL BE AS DIRECTED BY THE STRUCTURAL ENGINEER. PERFORM CORING, SAWCUTTING, PATCHING, AND REFINISHING OF WALLS AND SURFACES WHEREVER IT IS NECESSARY TO PENETRATE. OPENINGS SHALL BE SEALED IN AN APPROVED METHOD TO MEET THE FIRE RATING OF THE PARTICULAR WALL, FLOOR OR CEILING. EXACT METHOD AND LOCATIONS OF CONDUIT PENETRATIONS AND OPENINGS IN CONCRETE WALLS OR FLOORS SHALL BE FOR UL APPROVED SYSTEMS
- 12. ROUTE EXPOSED CONDUIT AND CONDUIT ABOVE ACCESSIBLE CEILING SPACES PARALLEL AND PERPENDICULAR TO WALLS AND ADJACENT PIPING. ARRANGE CONDUIT TO MAINTAIN HEADROOM AND TO PRESENT A NEAT APPEARANCE.
- 13. REFER TO SINGLE LINE DIAGRAM AND FEEDER SCHEDULES FOR CONDUIT AND CONDUCTOR SIZE TO PANELS, TRANSFORMERS, MECHANICAL AND PLUMBING EQUIPMENT, ETC., CONDUIT RUNS MAY NOT BE SHOWN ON DRAWINGS, BUT ARE PART OF THIS CONTRACT.
- 14. WHENEVER A DISCREPANCY IN QUANTITY OR SIZE OF CONDUIT, WIRE, EQUIPMENT DEVICES, CIRCUIT BREAKERS, ETC. (ALL MATERIALS), ARISES ON THE DRAWINGS OR SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER AND ARCHITECT/ENGINEER.
- 15. PENDANT MOUNTED FIXTURES: SUPPORT PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER, AND CAPABLE OF SUPPORTING FOUR TIMES THE WEIGHT OF THE FIXTURE.
- 16. SURFACE MOUNTED FIXTURES SHALL BE ATTACHED TO A MAIN RUNNER WITH A POSITIVE CLAMPING DEVICE MADE OF MATERIAL WITH A MINIMUM OF 14 GAUGE. ROTATIONAL SPRING CATCHES SHALL NOT BE ALLOWED.
- 17. STRAIGHT FEEDER, BRANCH CIRCUIT, AND CONDUIT RUNS SHALL BE PROVIDED WITH SUFFICIENT PULL BOXES OR JUNCTION BOXES TO LIMIT THE MAXIMUM LENGTH OF ANY SINGLE CABLE PULL TO 200 FEET. PULL BOXES SHALL BE SIZED PER CODE OR AS INDICATED ON DRAWINGS. LOCATIONS SHALL BE DETERMINED IN THE FIELD OR AS INDICATED ON THE DRAWINGS.
- MAXIMUM NUMBER OF CONDUCTORS IN OUTLET OR JUNCTION BOXES SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, ARTICLE 314.16.
- 19. THE NUMERALS SHOWN AT TOP OF LIGHT FIXTURE IDENTIFICATION SYMBOLS INDICATING THE NUMBER OF LIGHT FIXTURES REQUIRED SHALL NOT BE USED BY THE CONTRACTOR FOR HIS QUANTITY TAKE-OFF AT BIDDING, NOR FOR DETERMINATION OF HOW MANY FIXTURES WILL BE INSTALLED. THE CONTRACTOR SHALL INSTALL A LIGHT FIXTURE WHEREVER A FIXTURE OUTLET IS SHOWN ON THE DRAWINGS.
- 20. IDENTIFICATION NAMEPLATES SHALL BE MICARTA 1/8 INCH THICK AND OF APPROVED SIZE WITH BEVELED EDGES AND ENGRAVED WHITE LETTERS A MINIMUM OF 1/4 INCH HIGH ON BLACK BACKGROUND. NAMEPLATES SHALL BE PROVIDED FOR ALL CIRCUITS IN THE SERVICE DISTRIBUTION, POWER DISTRIBUTION SWITCHBOARDS AND LIGHTING DISTRIBUTION PANELBOARDS. SEPARATELY MOUNTED STARTING SWITCHES, DISCONNECTING SWITCHES, MOTOR CONTROL PUSHBUTTON STATIONS, SELECTOR SWITCHES, TRANSFORMERS, TERMINAL CABINETS, TELEPHONE CABINETS, ETC. ALL NAMEPLATES SHALL BE ATTACHED WITH SCREWS. (SEE SPECIFICATIONS) PULLBOXES, JUNCTION BOXES, AND DEVICE BOXES SHALL BE MARKED WITH A PERMANENT MARKER.
- 21. THE EXACT LOCATION OF ALL ELECTRICAL DEVICES AND EQUIPMENT SHALL BE COORDINATED WITH THE ARCHITECTURAL ELEVATIONS, DETAILS, OR SECTIONS PRIOR TO INSTALLATION.

WALL SWITCH AT WALL +48" SET VERTICALLY

CONVENIENCE RECEPTACLE AT WALL +1'-6"

MOUNTING HEIGHTS OF ALL DEVICES AND EQUIPMENT ARE FROM FINISHED FLOOR TO CENTER OF DEVICES AND EQUIPMENT UNLESS OTHERWISE NOTED. BOXES INSTALLED IN LOCATIONS NOT APPROVED BY THE ARCHITECT SHALL BE RELOCATED AS DIRECTED BY THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

- 22. DRAWINGS ARE DIAGRAMMATIC ONLY AND DO NOT SHOW SPECIAL CONDUIT ROUTING OR LENGTHS REQUIRED FOR A COMPLETE INSTALLATION. ROUTING OF RACEWAYS SHALL BE AT THE OPTION OF THE CONTRACTOR BUT SHALL BE IN STRICT COMPLIANCE WITH STRUCTURAL REQUIREMENTS AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
- 23. WHERE FIXTURES ARE SHOWN TO BE DUAL SWITCHED, SWITCH "Sd" SHALL CONTROL THE TWO OUTSIDE LAMPS IN EACH FIXTURE, "Sb" SHALL CONTROL THE REMAINING LAMPS IN EACH FIXTURE.
- 24. THE EQUIPMENT GROUNDING CONDUCTOR ALTHOUGH NOT SHOWN ON CONDUIT RUNS, SHALL BE INSTALLED AND RUN CONTINUOUS FROM PANEL TO LAST OUTLET.
- 25. FURNISH AND INSTALL POWER DISTRIBUTION PANELBOARDS AS INDICATED ON THE DRAWINGS. PANELBOARDS SHALL COMPLY WITH NEMA STANDARD PANELBOARDS SHALL BE COMPLETE WITH COPPER BUS BARS AND 75 DEGREE CELSIUS THERMAL MAGNETIC BOLT-ON TYPE CIRCUIT BREAKERS AS INDICATED ON DRAWINGS.
- 26. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR HOUSEKEEPING PADS, PROVIDE SIZES REQUIRED FOR EQUIPMENT TO BE INSTALLED.
- 27. JUNCTION AND PULL BOXES: FOR INTERIOR DRY LOCATIONS, BOXES SHALL BE GALVANIZED ONE-PIECE, DRAWN STEEL, KNOCKOUT TYPE WITH REMOVABLE MACHINE SCREW SECURED COVERS. FOR OUTSIDE, DAMP, OR SURFACE LOCATIONS, BOXES SHALL BE HEAVY CAST ALUMINUM OR CAST IRON WITH REMOVABLE, GASKETED, NON-FERROUS MACHINE SCREW SECURED COVERS. BOXES SHALL BE SIZED FOR THE NUMBER AND SIZES OF CONDUCTORS AND CONDUIT ENTERING THE BOX AND EQUIPPED WITH PLASTER EXTENSION RINGS WHERE REQUIRED. BOXES SHALL BE LABELED TO COMMUNICATIONS SYSTEM. INDICATE PANEL AND CIRCUIT NUMBER, OR TYPE OF SIGNAL
- 28. LAMPS: ALL FIXTURES SHALL BE SUPPLIED WITH LAMPS OF PROPER SIZE AND TYPE.

INCANDESCENT LAMPS SHALL BE NEW, RATED FOR 120 VOLTS, 60 CYCLES, AC OPERATION AND SHALL BE GENERAL SERVICE INSIDE FROSTED UNLESS SPECIFICALLY NOTED OTHERWISE.

FLUORESCENT LAMPS SHALL BE INSTANT START ENERGY SAVING TYPE, GENERAL ELECTRIC OR EQUAL BY SYLVANIA OR PHILIPS UNLESS NOTED OTHERWISE.

METAL HALIDE AND HIGH PRESSURE SODIUM LAMPS SHALL BE AS RECOMMENDED BY THE FIXTURE MANUFACTURER AND AS INDICATED IN THE FIXTURE SCHEDULE.

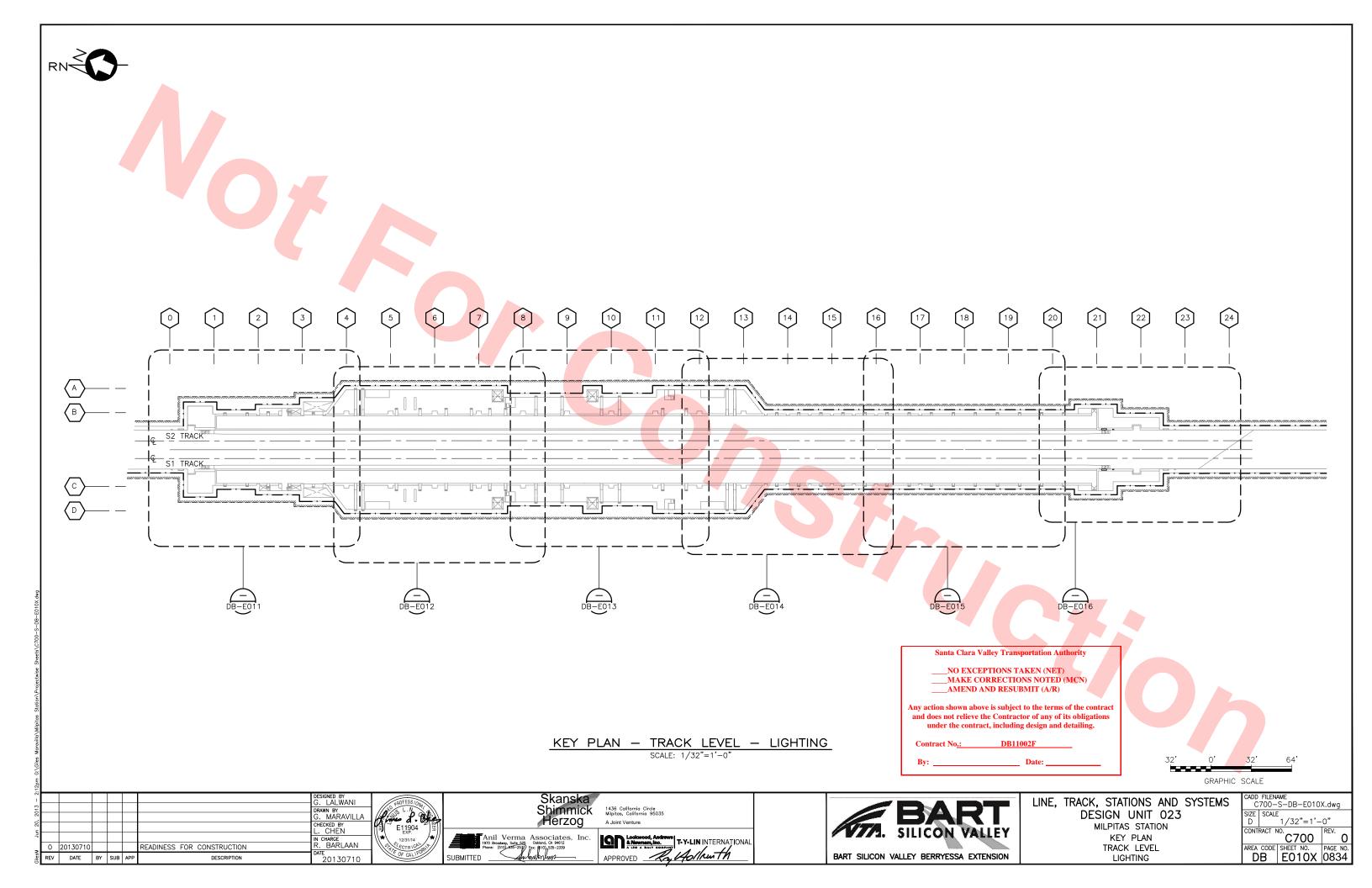
LIGHT-EMMITING DIODE (LED) A SEMI-CONDUCTOR LIGHT. FIXTURE RECOMMENDED BY FIXTURE SUPPLIER AS INDICATED IN FIXTURE SCHEDULE.

- 29. DURING CONSTRUCTION AND AT CLOSE OF PROJECT CONTRACTOR SHALL MODIFY/UPDATE PANEL SCHEDULES TO REFLECT ACTUAL ROOMS/SPACES WHERE OUTLETS WERE INSTALLED, USING OWNERS DESIGNATION. TYPEWRITTEN IS REQUIRED.
- 30. WHEN CONFLICTS OCCUR ON DRAWINGS AND IN SPECIFICATIONS, THE MOST STRINGENT APPLICATION SHALL APPLY AND SHALL BE PART OF TH BASE BID.
- 31. PROCURE ALL PERMITS FROM LEGALLY CONSTITUTED AUTHORITIES, ARRANGE FOR ALL INSPECTIONS AND PAY ALL COST FOR FEES AND TEST IN CONNECTION THEREWITH. COMPLY WITH CODES: NOTHING IN THESE PLANS AUTHORIZES DEVIATION FROM APPLICABLE CODES.
- 32. DETERMINE EXACT ROUTING OF CONCEALED FEEDERS AND BRANCH HOMERUNS IN COOPERATION WITH OTHER TRADES TO SIMPLIFY INSTALLATION WHEREVER POSSIBLE BUT SUBJECT TO APPROVAL OF ARCHITECT FOR VISUAL AND STRUCTURAL REASONS.
- 33. DO NOT RUN ANY CONDUIT IN SLAB IF ITS OUTSIDE DIAMETER EXCEEDS 1/3 THE THICKNESS OF SLAB. LOCATE CONDUITS WITHIN THE MIDDLE OF THE SLAB. WHERE CONDUITS ARE GROUPED IN PARALLER RUNS, SPACE THEM 3" OR MORE APART. WHERE CONDUITS CROSS EACH OTHER, THICKEN SLAB PROPORTIONATELY OVER A HORIZONTAL AREA EQUAL TO TEN TIMES THE DIAMETER OF THE LARGEST DIAMETER.

14 L										
1, 2013 - 4						DESIGNED BY G. LALWANI DRAWN BY G. MARAVILLA	ROFESSIONAL	Skanska Shimmick Herzog	1456 California Circle Milpitas, California 95035 A Joint Venture	BART
Jun 2	0 201307	710			READINESS FOR CONSTRUCTION	CHECKED BY L. CHEN IN CHARGE R. BARLAAN	E11904	5	Lookwood, Androws A Novmann, inc. A Lio A DAY COMPANY T-Y-LIN INTERNATIONAL	TTA. SILICON VALLEY
Gilesh	REV DATE	BY	SUB A	APP	DESCRIPTION	DATE 20130710	OF CALIFOR	SUBMITTED	APPROVED _ Ry HollowTh	BART SILICON VALLEY BERRYESSA EXTENSIO

- 34. ALL LINE VOLTAGE WIRING SHALL BE #12 AWG COPPER WITH THWN/THHN INSULATION AND IN 3/4" DIAMETER CONDUIT MINIMUM. IN EACH CONDUIT WITHOUT CONDUCTORS, PROVIDE ONE #12 TW COPPER PULL WIRE WITH TAG IDENTIFYING LOCATION OF OPPOSITE END.
- 35. THE CENTER OF ELECTRICAL AND COMMUNICATION SYSTEM RECEPTACLE OUTLETS SHALL BE INSTALLED NOT LESS THAN 15" OR MORE THAN 48" ABOVE THE FLOOR OR WORKING PLATFORMS, (ADA).
- 36. ALL OTHER ELECTRICAL WORK NOT COVERED IN THESE NOTES SHALL BE REFERRED TO ELECTRICAL SPECIFICATIONS SECTION 26.
- 37. CONTRACTOR SHALL VERIFY AND CONFIRM THAT ESCALATOR, NEWEL AND COMB LIGHTING SHALL BE FED FROM EMERGENCY LIGHTING.

TS	Santa Clara Valley Transpo NO EXCEPTIONS TAK MAKE CORRECTIONS AMEND AND RESUBM Any action shown above is subject to and does not relieve the Contractor under the contract, including co Contract No.:DB1100. By:I	EN (NET) S NOTED (MCN) IIT (A/R) o the terms of the contract of any of its obligations lesign and detailing.
	LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023	CADD FILENAME C700-S-DB-E004X.dwg SIZE SCALE D NONE
1	MONTAGUE LRT AND MILPITAS POC	CONTRACT NO. C700 REV. 0
h	ELECTRICAL	AREA CODE SHEET NO. PAGE NO.



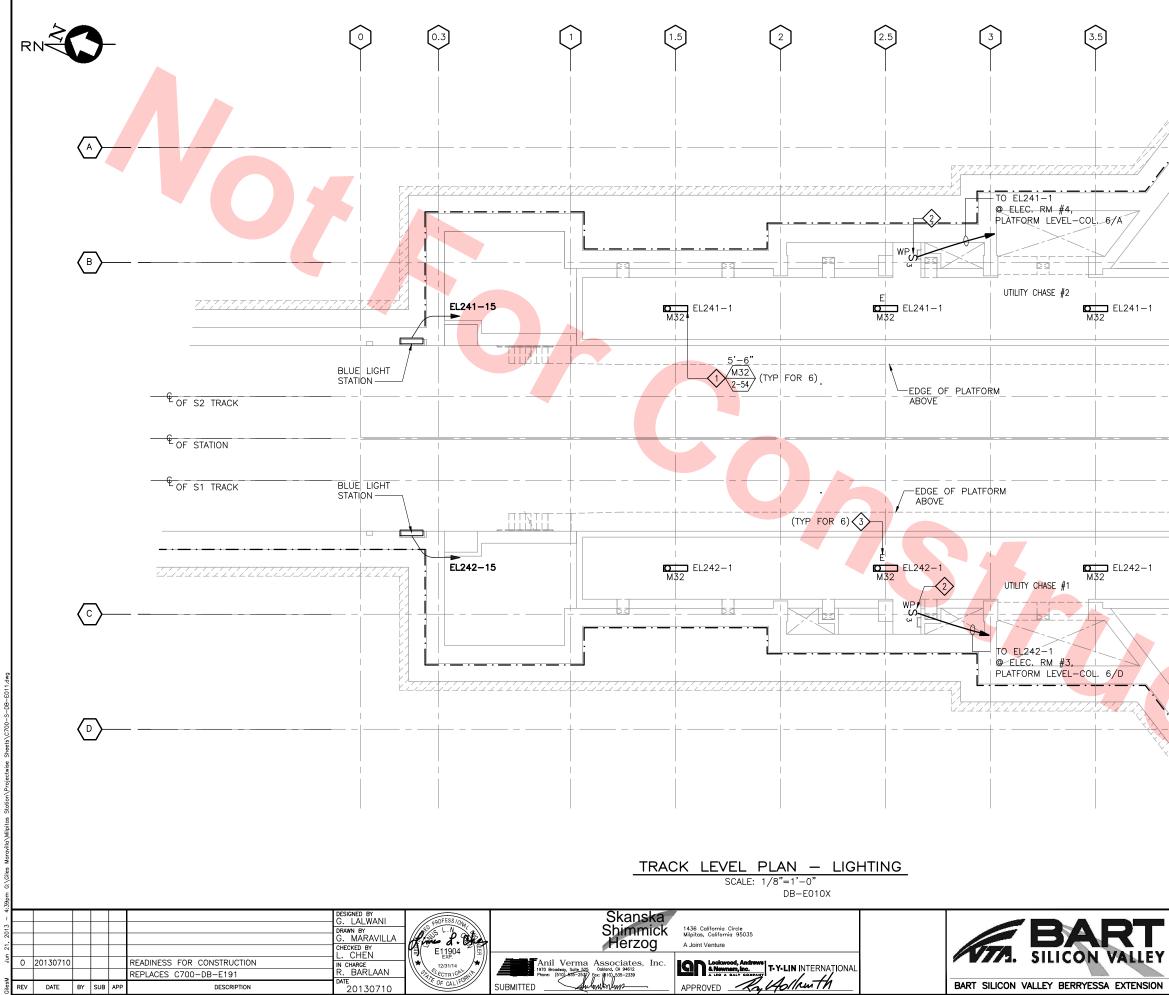
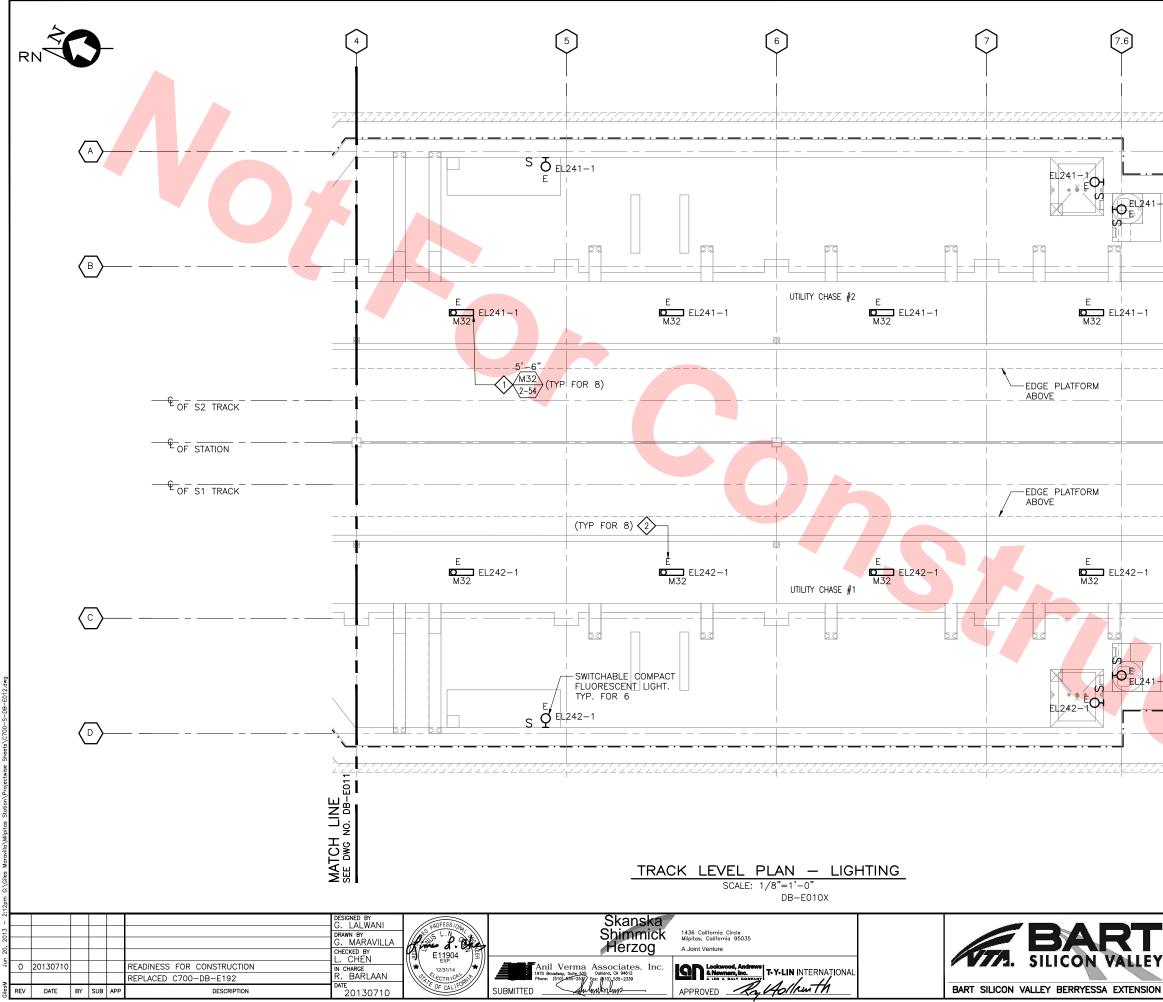
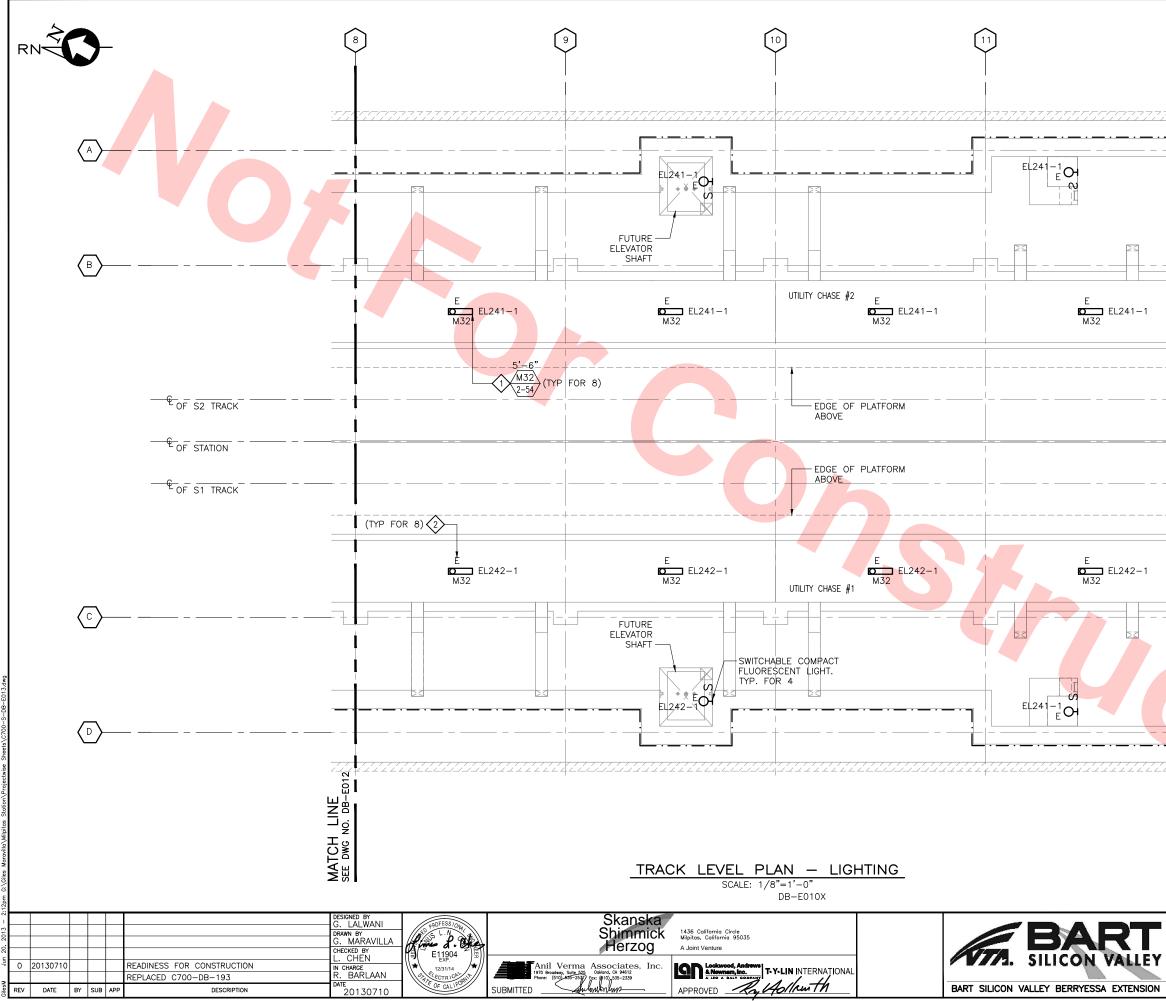


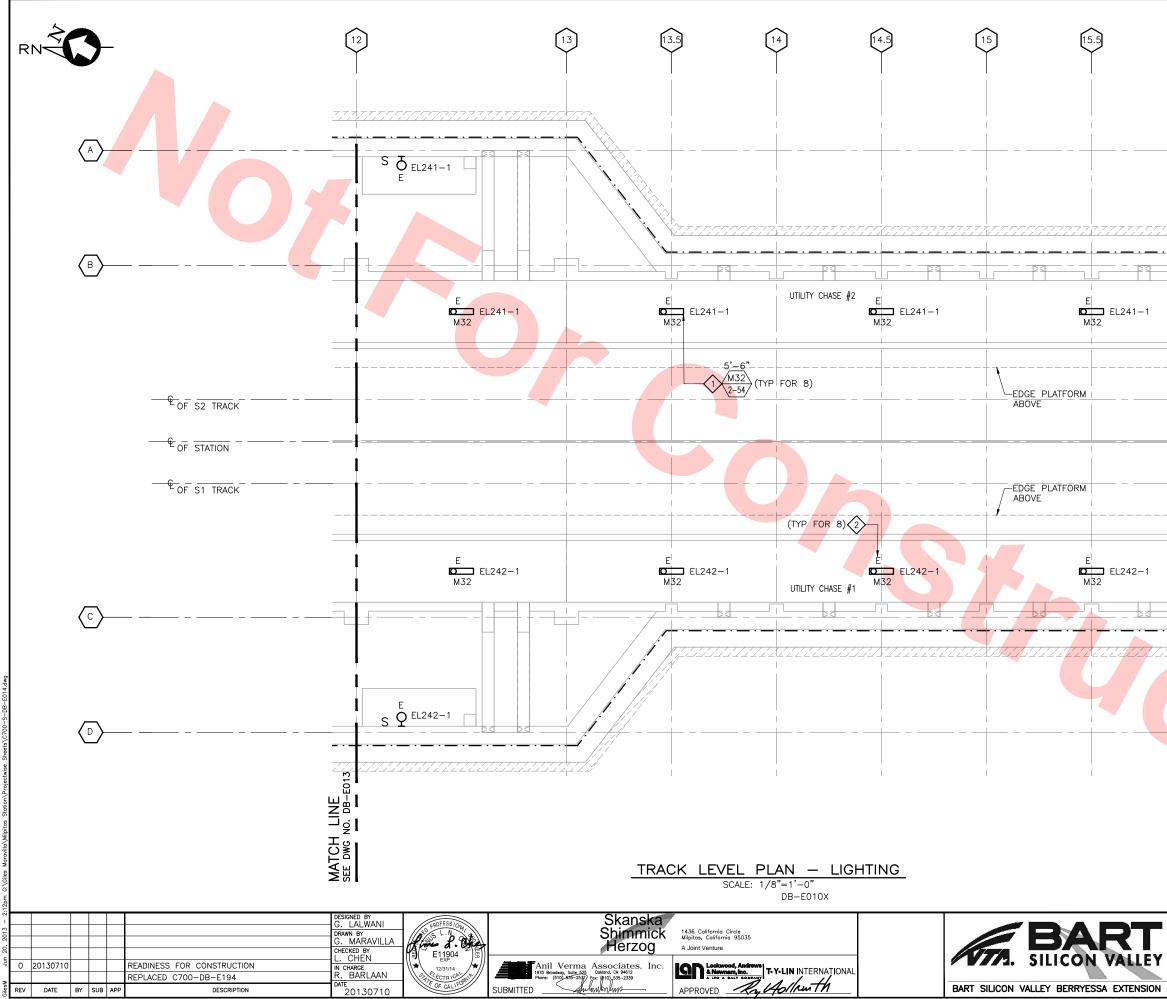
Image: State Clara Valley Transportation Authority				
VUHTING FIXTURE SCHEDULE. Subt Character Schedule. Subt of MIL Report Schedule. Subt of MIL Report Access Advocation Authority of Units advocation of the Unit Fixture Symbol. DENDES UPINS CONNECTED TO EMERGENCY ORCUT: Subt Chara Valley Transportation Authority OENDES UPINS CONNECTED TO EMERGENCY ORCUT: OENDES UPINS TAKEN (NET) NARE CORRECTIONS NOTED MCN) Angle constrained and relieve the Contract of any of its obligations made the contract, including design and detailing. Contract No.: DBII002F By: Date: UNE, TRACK STATIONS AND SYSTEMS DESIGN UNIT 023 MILPITAS STATION MILPITAS			KEY I	NOTES
		2	 LIGHTING FIXTURE SCH SINGLE POLE 3-WAY 3 AND 6" MIN FROM AC OF LIGHTS ALONG CHA TO NORMAL CIRCUITS. SUBSCRIPT "E" WITH 1 DENOTES LIGHTS CONF 	IEDULE. SWITCH MOUNTED 48" AFF, CESS LADDER FOR CONTROL ASE THAT ARE CONNECTED THE LIGHT FIXTURE SYMBOL,
			Santa Clara Valley Tr	ansportation Authority
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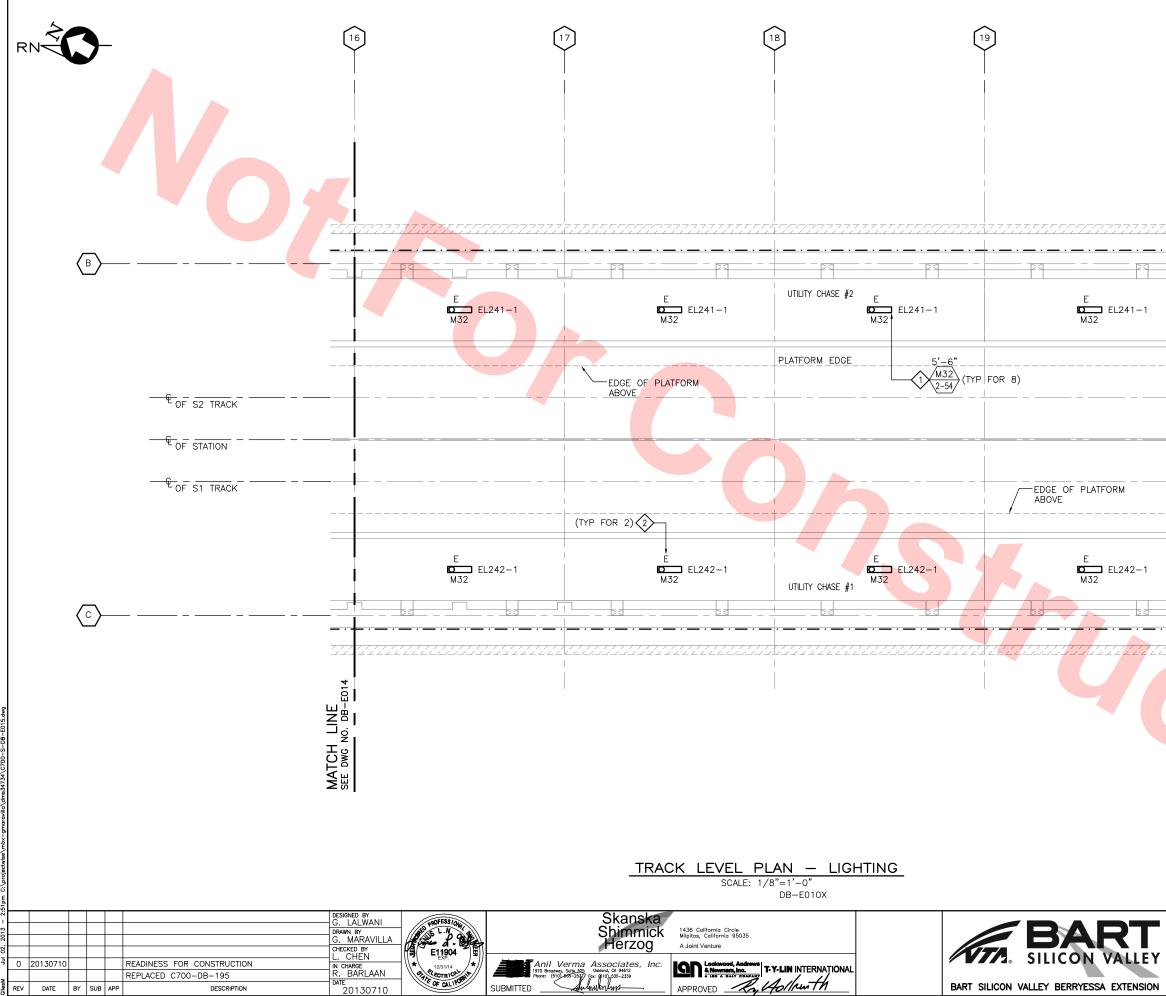
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~	KEY N	UIES
8	SEE DRAWING DB-E515	
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	CIRCUIT.	CIED TO EMERGENCI
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	Santa Clara Valley Trans	sportation Authority
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		CADD FILENAME
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	PITAS STATION K LEVEL PLAN	CONTRACT NO. C700 REV. 0
SH	LIGHTING EET 2 OF 6	AREA CODE SHEET NO. PAGE NO. DB E012 0836



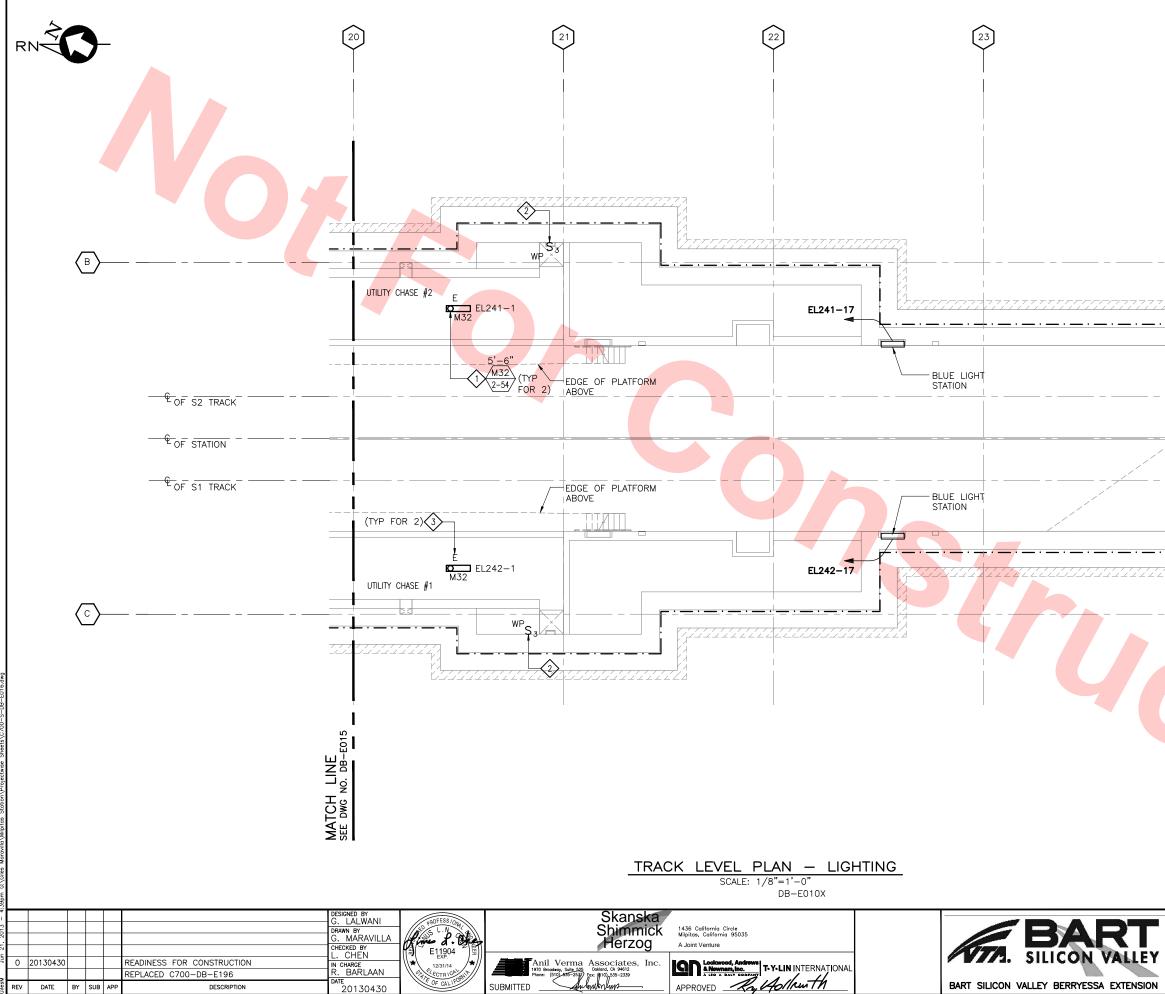
~	KEY N	UIES
12	SEE DRAWING DB-E515	
	SUBSCRIPT "E" WITH THE	E LIGHT FIXTURE SYMBOL,
	 DENOTES LIGHTS CONNEC CIRCUIT. 	CIED TO EMERGENCY
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· · ·		
	Santa Clara Valley Trans	sportation Authority
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6	KEY F	PLAN
MATCH LINE SEE DWG NO. DB-E01		
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	$\left(\mathbb{D} \right)$	
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	K LEVEL PLAN LIGHTING	CONTRACT NO. C700 REV. 0 AREA CODE SHEET NO. PAGE NO.
I SH	EET 3 OF 6	DB E013 0837



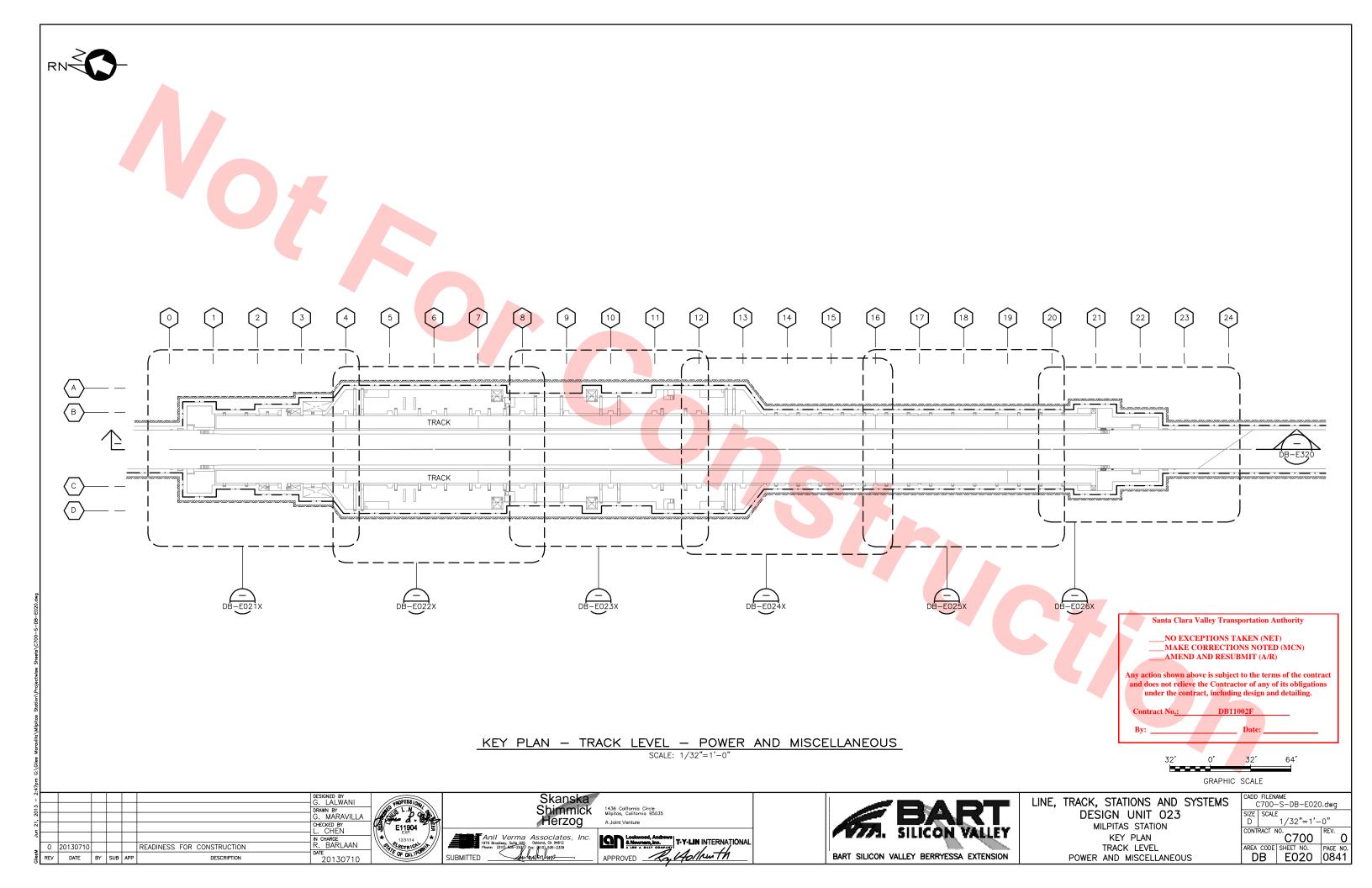
		_
^	KEY NOTES	
16	SEE DRAWING DB-E515 AND DB-E516 FOR	
	$\langle 2 \rangle$ subscript "e" with the light fixture symbol,	
	DENOTES LIGHTS CONNECTED TO EMERGENCY CIRCUIT.	
· · · ·		
	Santa Clara Valley Transportation Authority	
	NO EXCEPTIONS TAKEN (NET)	
	MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R)	
T	Any action shown above is subject to the terms of the contract	
	and does not relieve the Contractor of any of its obligations under the contract, including design and detailing.	
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MAT SEE D		
	STATIONS AND SYSTEMS CADD FILENAME C700-S-DB-E014.dwg	
	ICN UNIT 023 SIZE SCALE LPITAS STATION 1/8"=1'-0" CONTRACT NO. REV.	
	CK LEVEL PLAN C700 LIGHTING AREA CODE SHEET NO. PAGE N	
·	HEET 4 OF 6 DB E014 083	

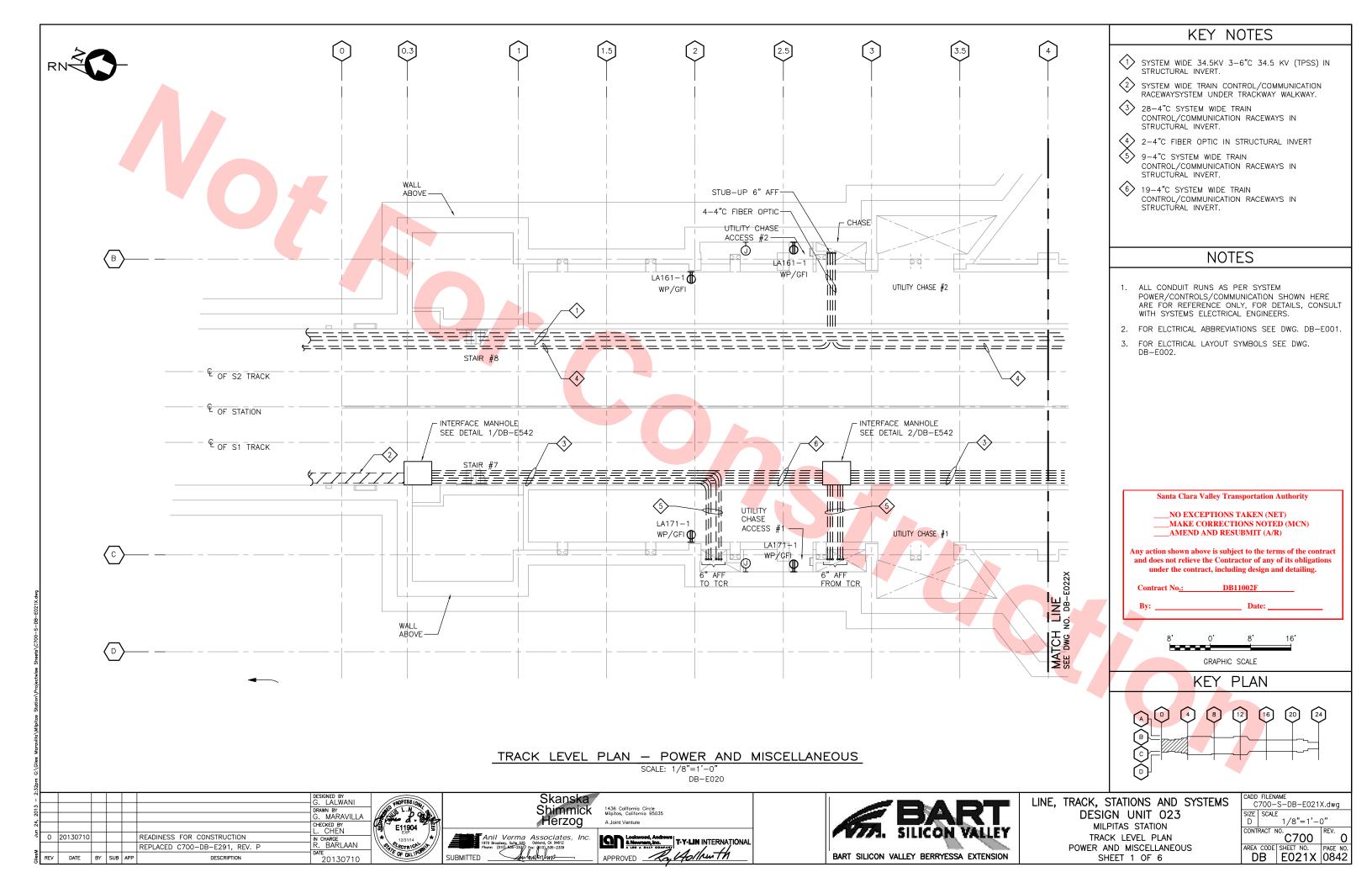


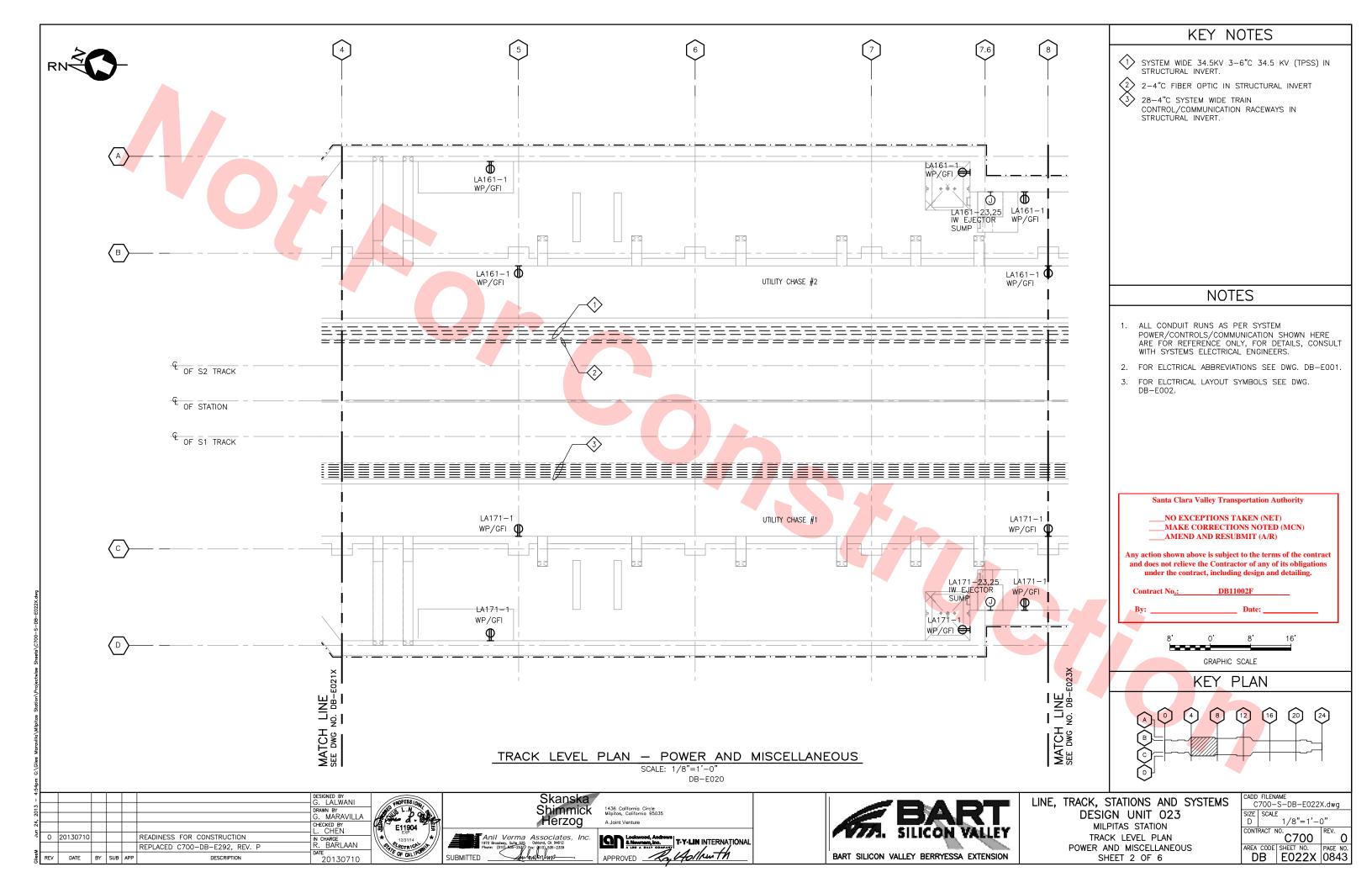
	KEY NOTES
20	$\langle 1 \rangle$ see drawing DB-e515 and DB-e516 for
\mathbf{Y}	LIGHTING FIXTURE SCHEDULE.
	SUBSCRIPT "E" WITH THE LIGHT FIXTURE SYMBOL, DENOTES LIGHTS CONNECTED TO EMERGENCY CIRCUIT.
	CIRCUIT.
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	Santa Clara Valley Transportation Authority
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16	
	8' 0' 8' 16'
MATCH LINE SEE DWG NO. DB-E010	
	GRAPHIC SCALE
N N N	KEY PLAN
LINE, TRACK S	TATIONS AND SYSTEMS
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	K LEVEL PLAN
SH	LIGHTING EET 5 OF 6 AREA CODE SHEET NO. PAGE NO. DB E015 0839

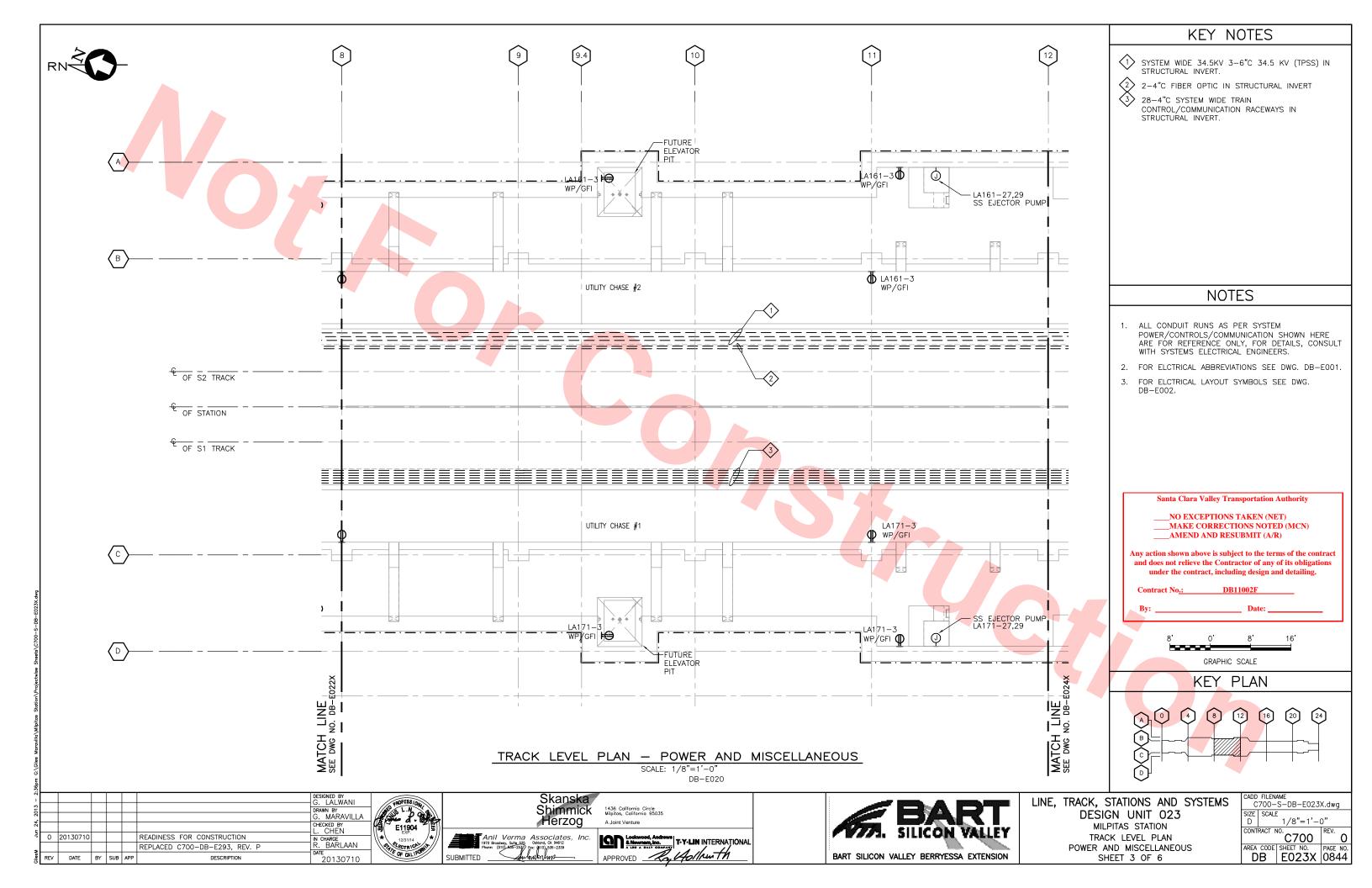


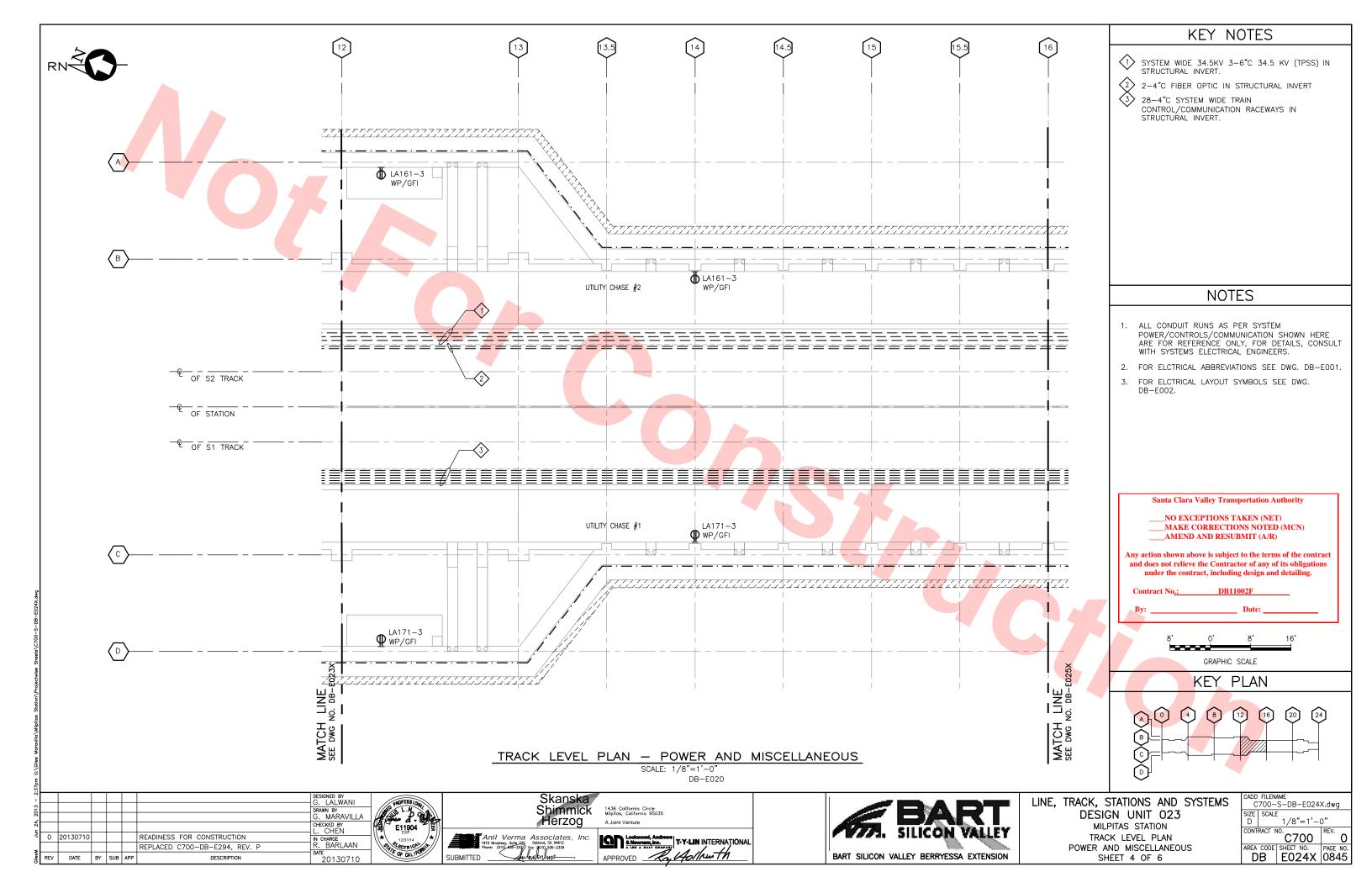
	KEY N	OTES
24	 SEE DRAWING DB-E515 LIGHTING FIXTURE SCHED SINGLE POLE 3-WAY SW AND 6" MIN FROM ACCE OF LIGHTS ALONG CHASE 	DULE. ITCH MOUNTED 48" AFF, SS LADDER FOR CONTROL
	TO NORMAL CIRCUITS. SUBSCRIPT "E" WITH THE DENOTES LIGHTS CONNEC CIRCUIT.	E LIGHT FIXTURE SYMBOL, CTED TO EMERGENCY
	Santa Clara Valley Trans NO EXCEPTIONS T. MAKE CORRECTIO AMEND AND RESU	AKEN (NET) DNS NOTED (MCN)
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	Contract No.: DB11 By:	
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DESIG MILF TRAC	TATIONS AND SYSTEMS IN UNIT 023 ITAS STATION K LEVEL PLAN LIGHTING EET 6 OF 6	CADD FILENAME C700-S-DB-E016.dwg SIZE SCALE D 1/8"=1'-0" CONTRACT NO. AREA CODE SHEET NO. PAGE NO. DB E016 0840

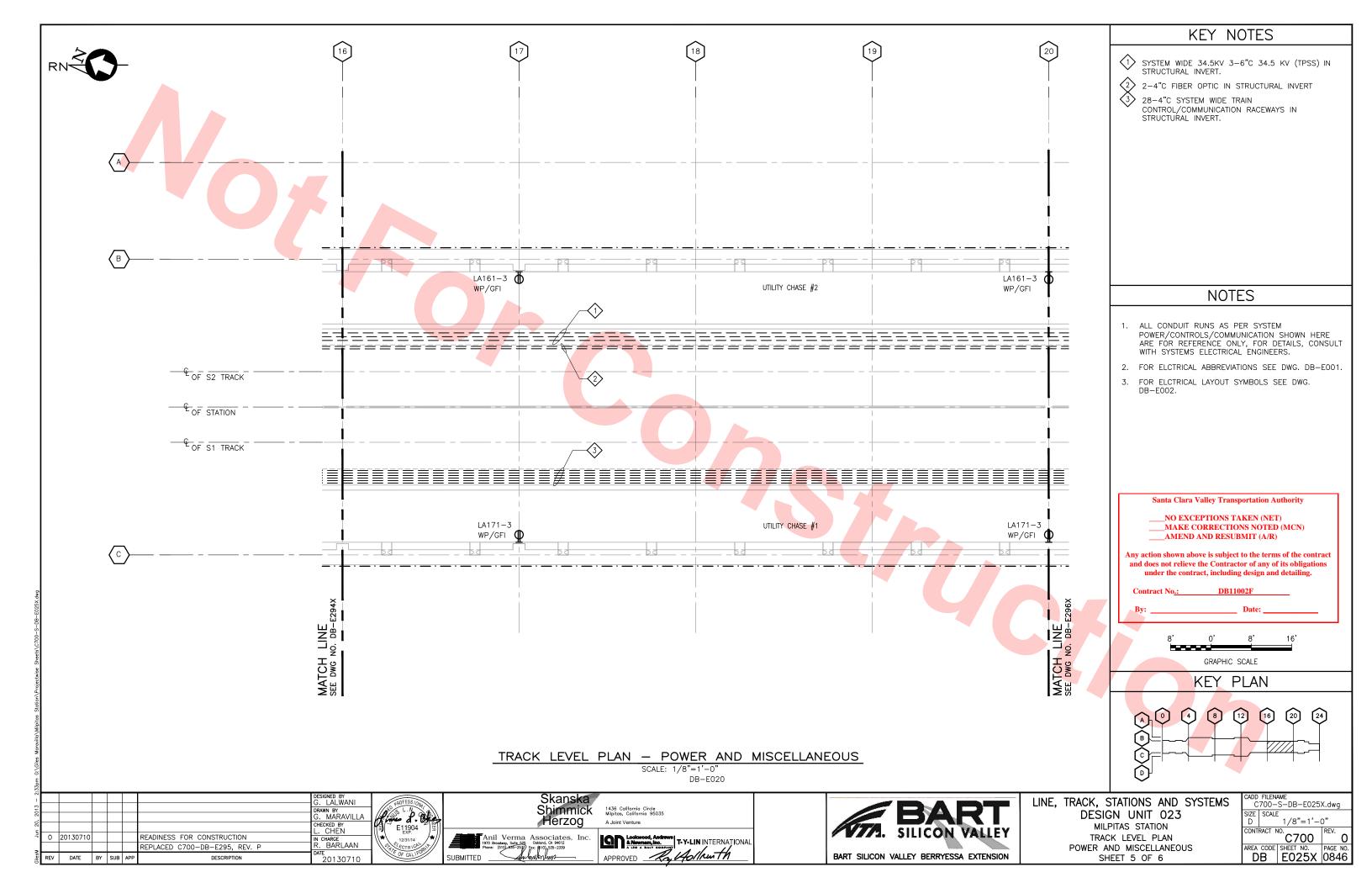


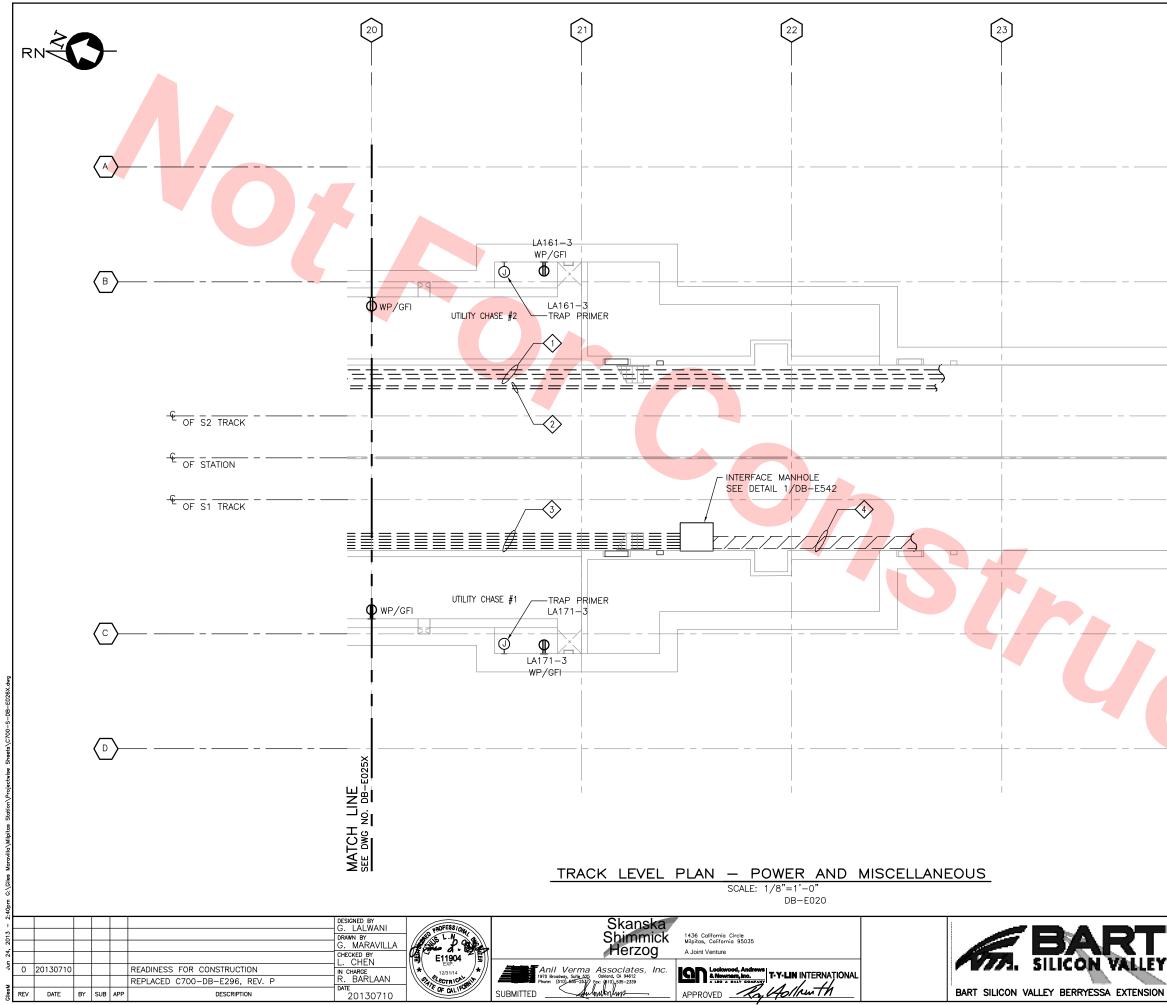




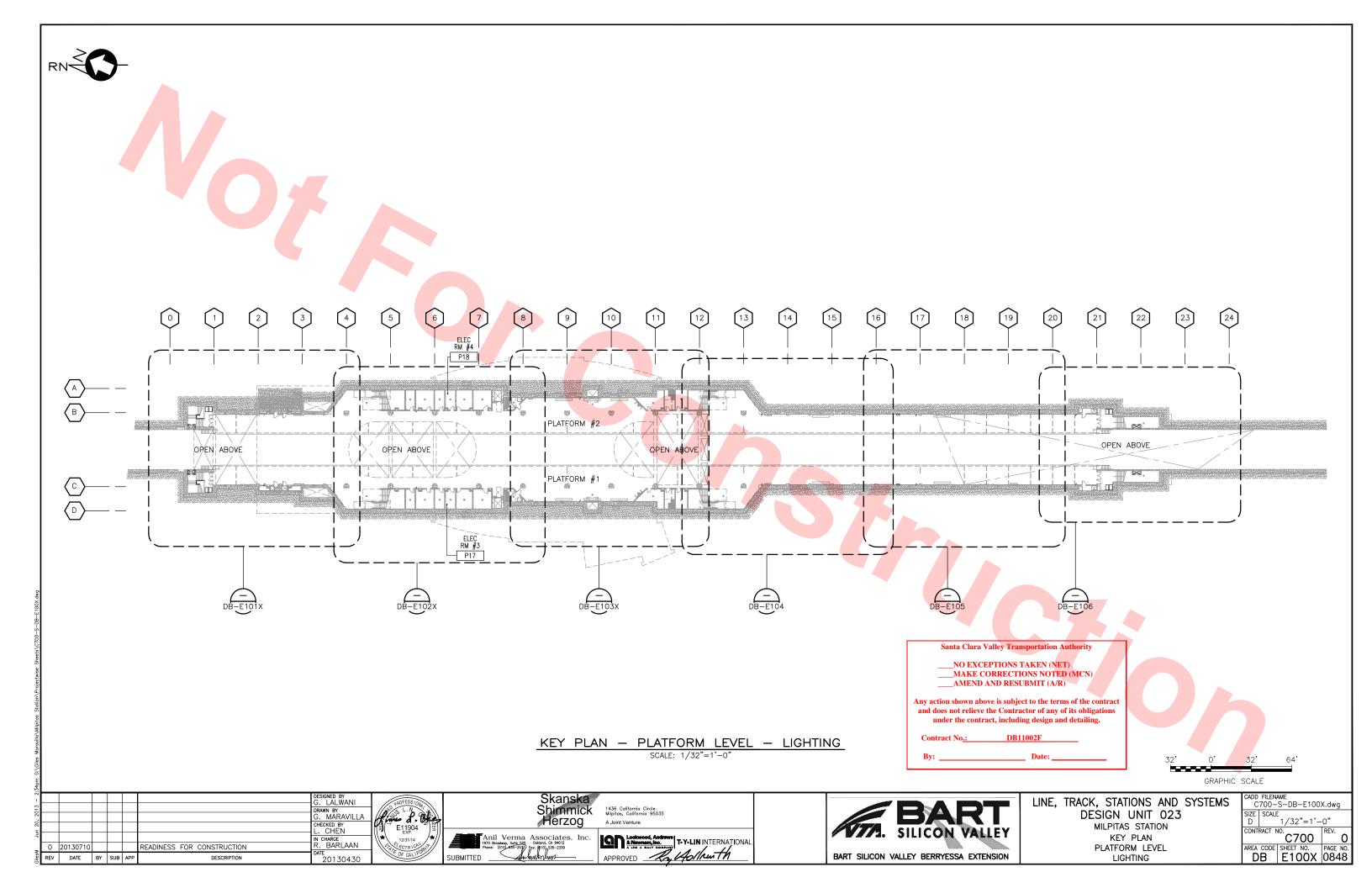


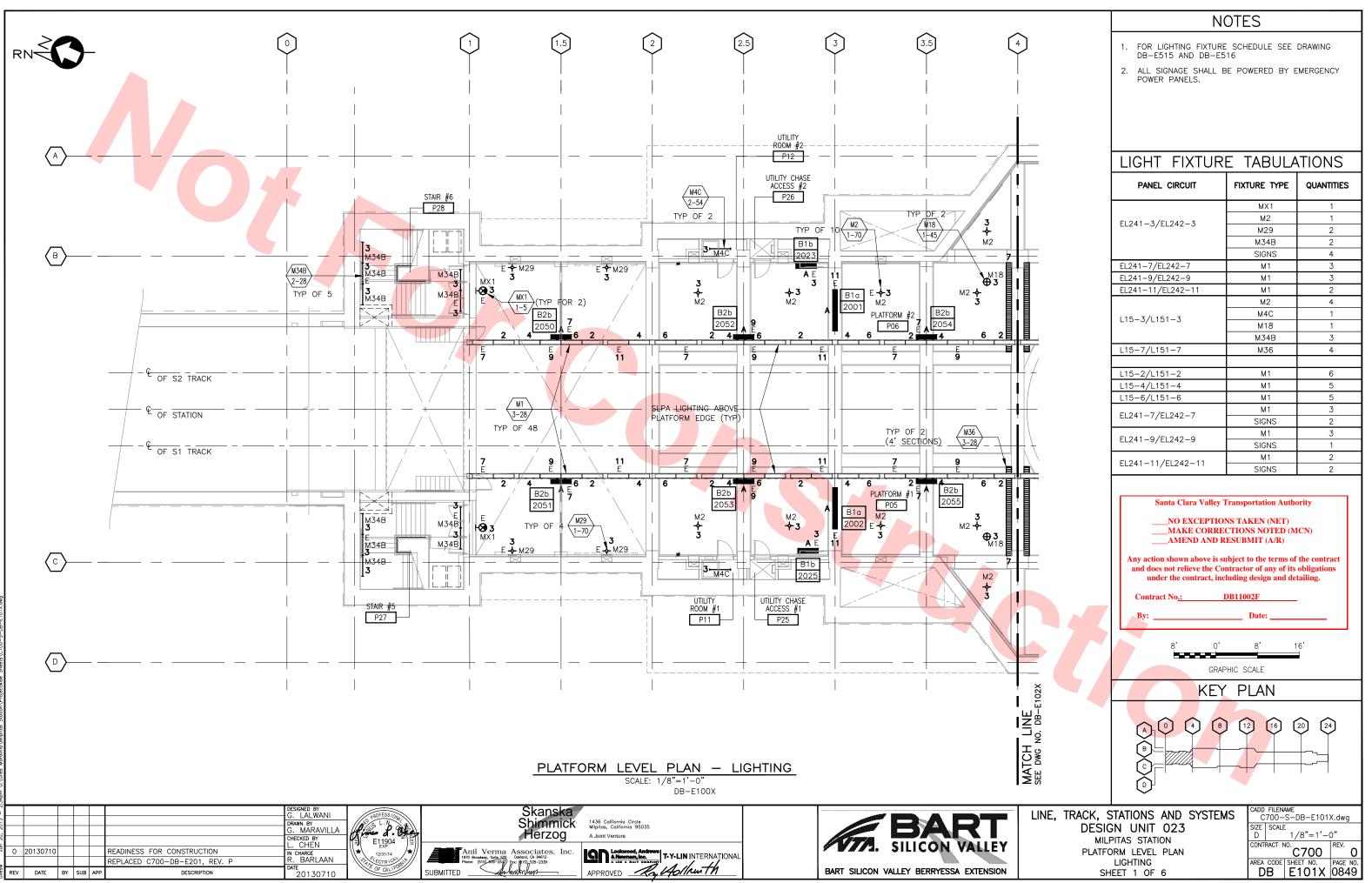




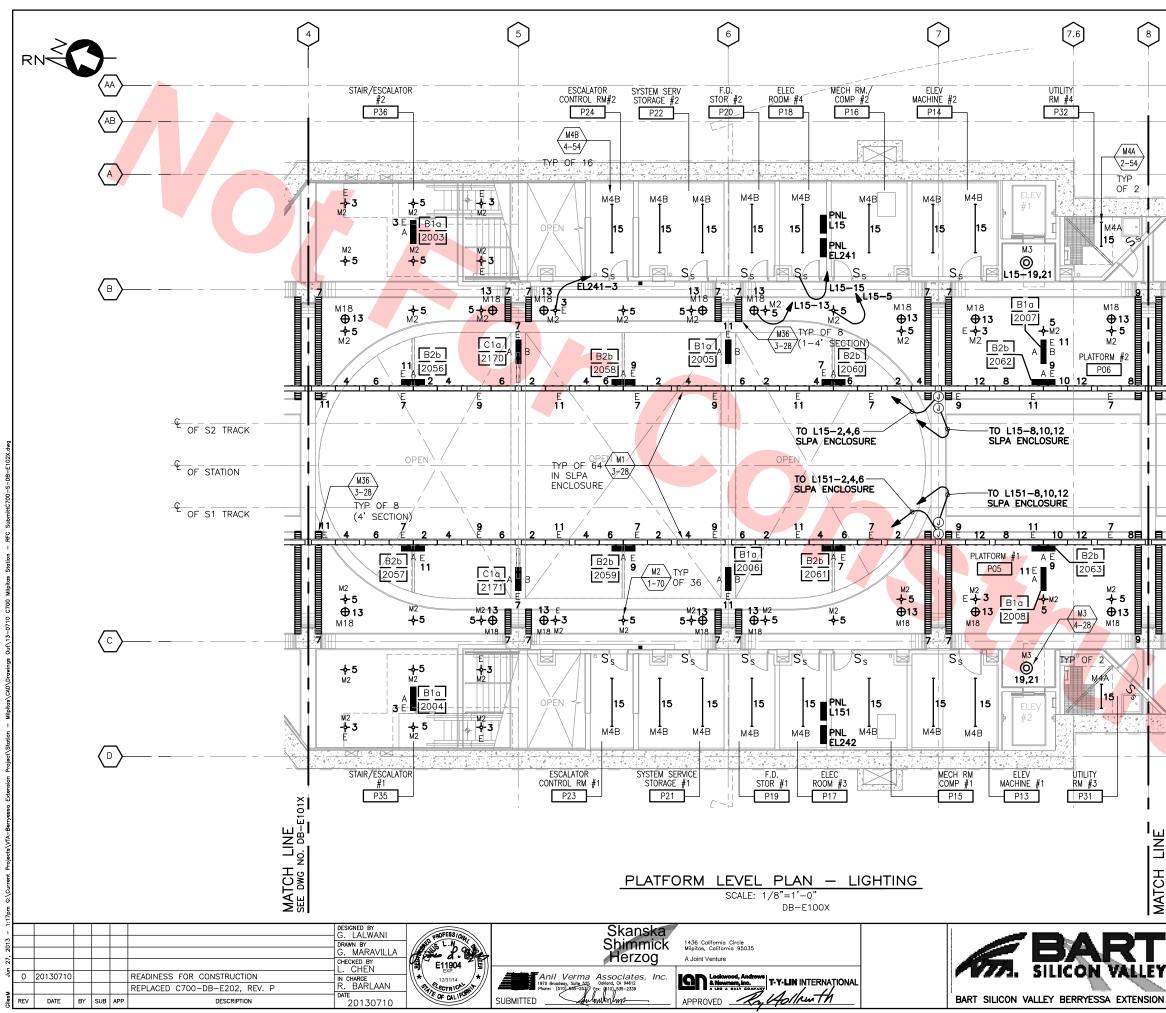


24	KEY NOTES
	SYSTEM WIDE 34.5KV 3-6"C 34.5 KV (TPSS) IN
	\sim STRUCTURAL INVERT. $2 \sim 2-4$ "C FIBER OPTIC IN STRUCTURAL INVERT
	28-4"C SYSTEM WIDE TRAIN CONTROL/COMMUNICATION RACEWAYS IN
	STRUCTUŔAL INVERT.
	RACEWAYSYSTEM UNDER TRACKWAY WALKWAY.
1	
	NOTES
	NOTES
	 ALL CONDUIT RUNS AS PER SYSTEM POWER/CONTROLS/COMMUNICATION SHOWN HERE ARE FOR REFERENCE ONLY, FOR DETAILS, CONSULT VIEW PORTUGEL
	WITH SYSTEMS ELECTRICAL ENGINEERS. 2. FOR ELCTRICAL ABBREVIATIONS SEE DWG. DB-E001.
	 FOR ELCTRICAL LAYOUT SYMBOLS SEE DWG. DB-E002.
	Santa Clara Valley Transportation Authority
	MO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R)
<u>i</u>	Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing.
	Contract No <u>.: DB11002F</u>
	By: Date:
	8' 0' 8' 16'
	GRAPHIC SCALE
	KEY PLAN
	STATIONS AND SYSTEMS
DESI	GN UNIT 023
TRA	CK LEVEL PLAN
	ND MISCELLANEOUS AREA CODE SHEET NO. PAGE NO. HEET 6 OF 6 DB E026X 0847

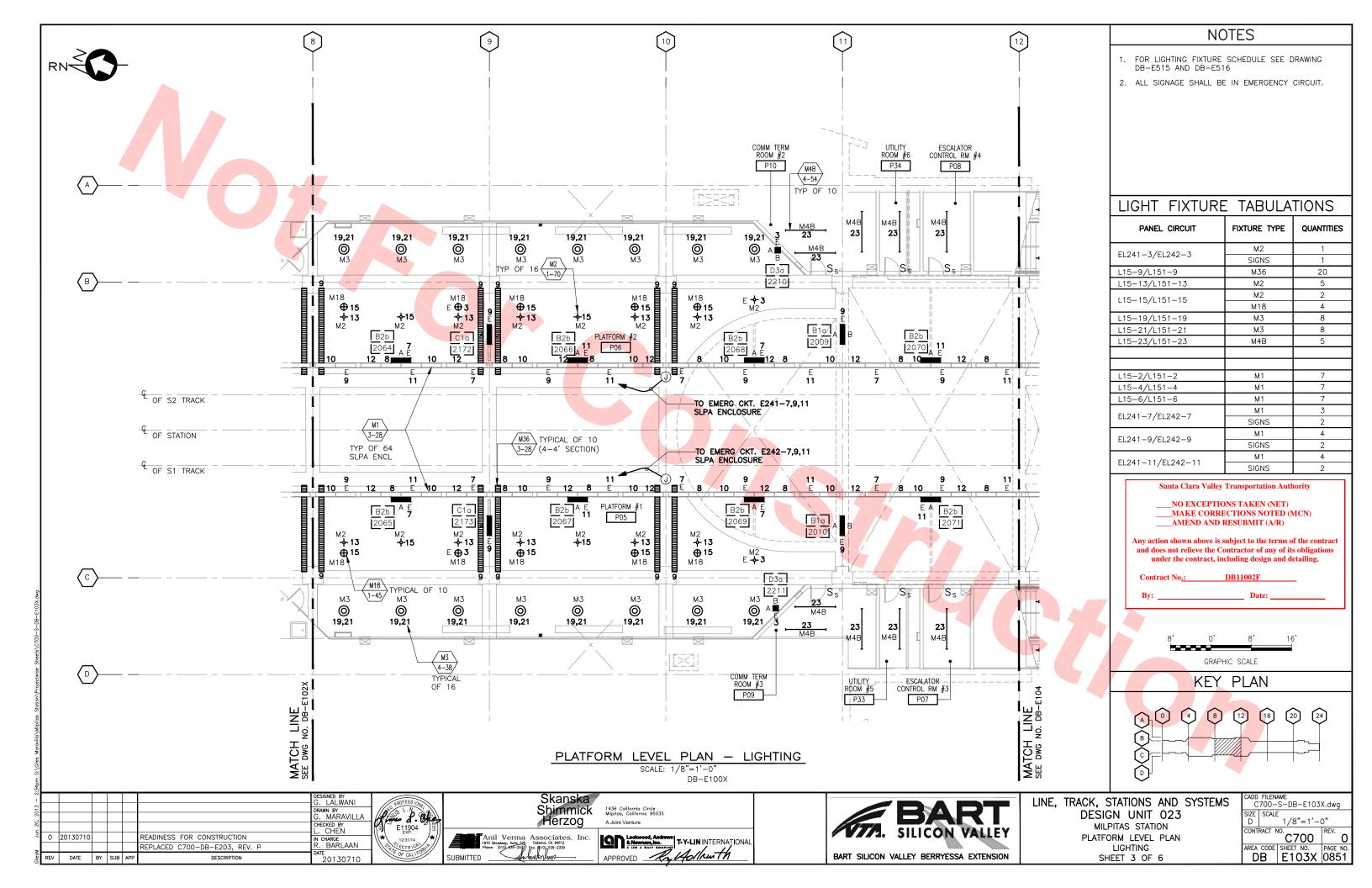


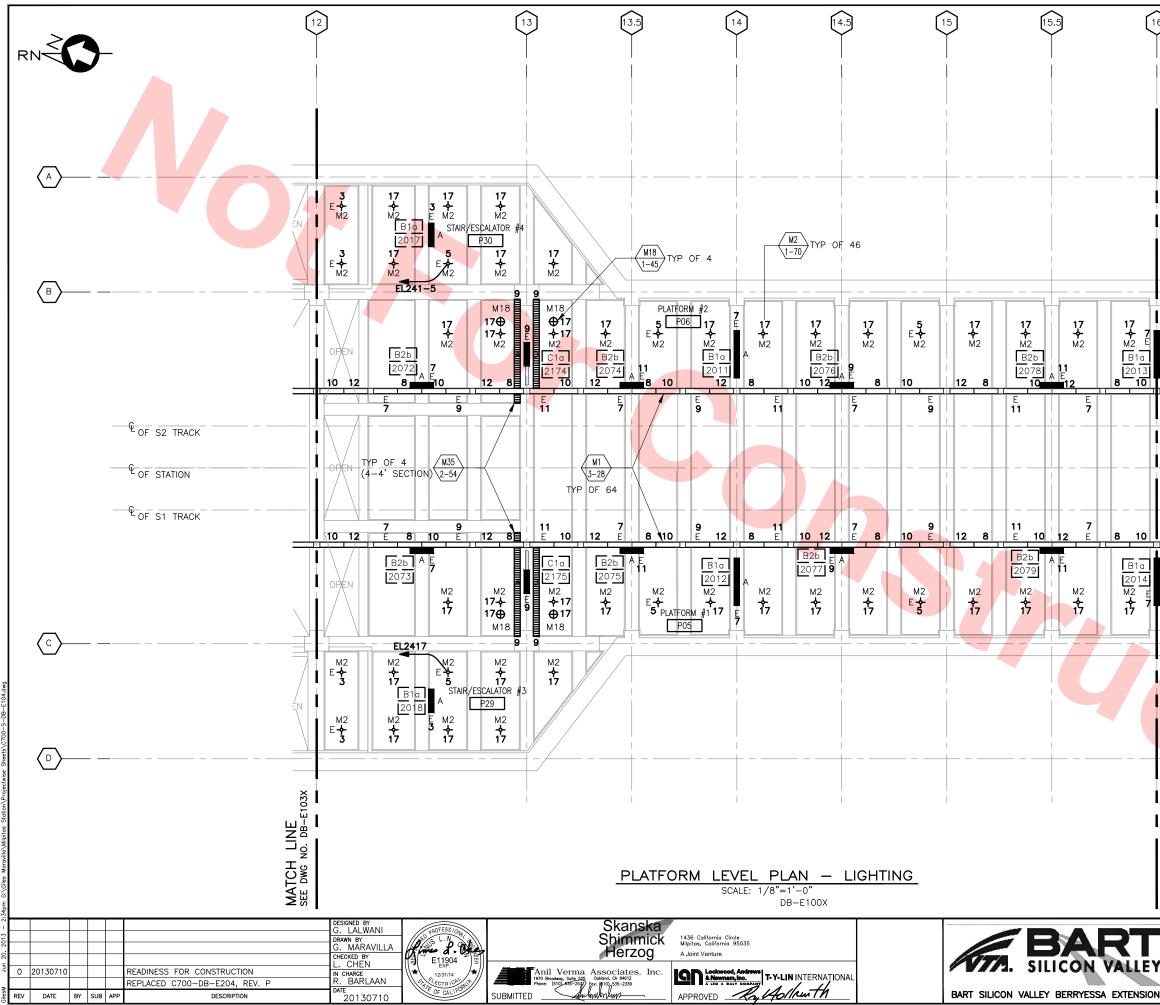


BART	SILICON	VALLEY	BERRYESSA	EXTENSION

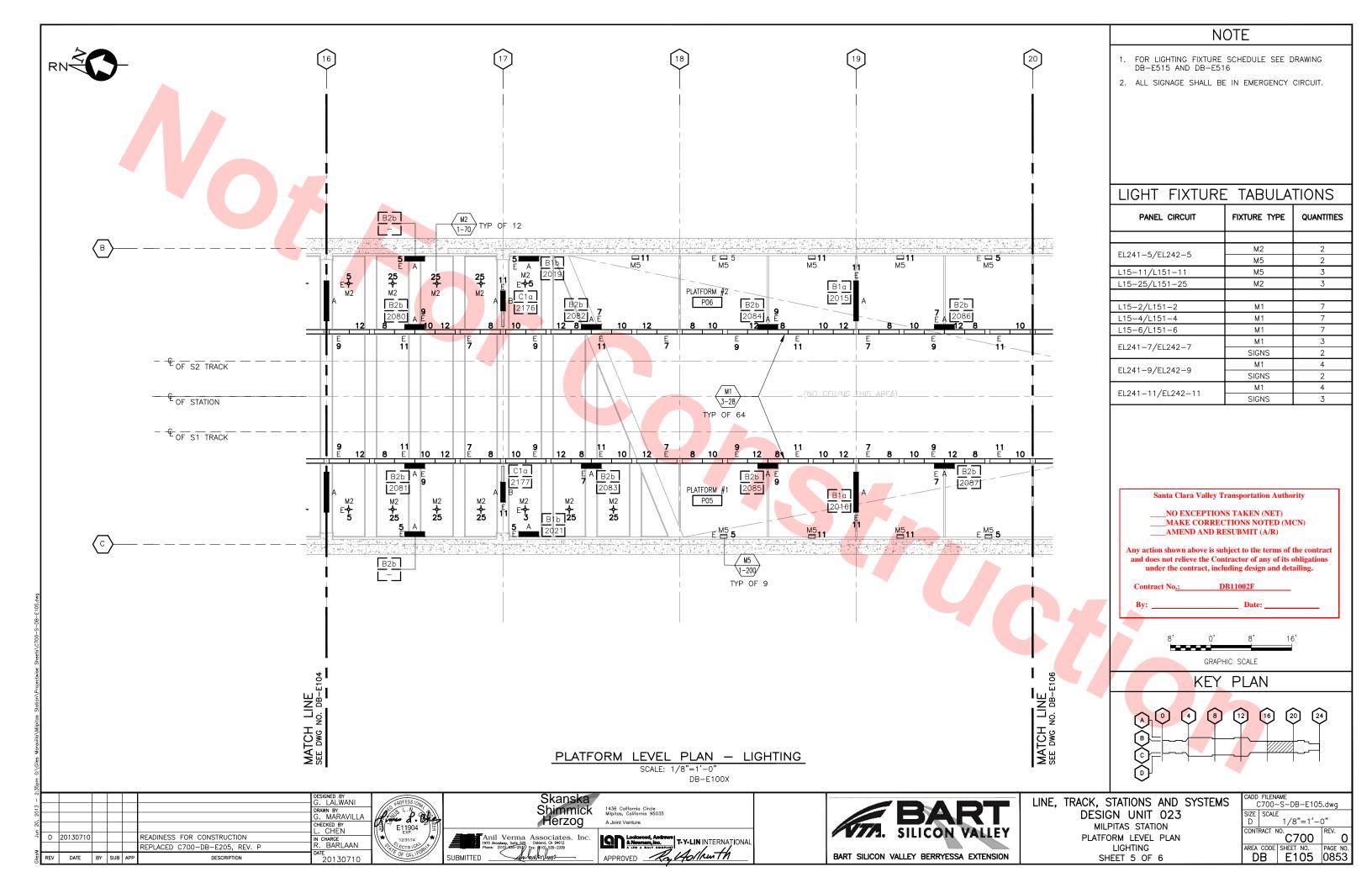


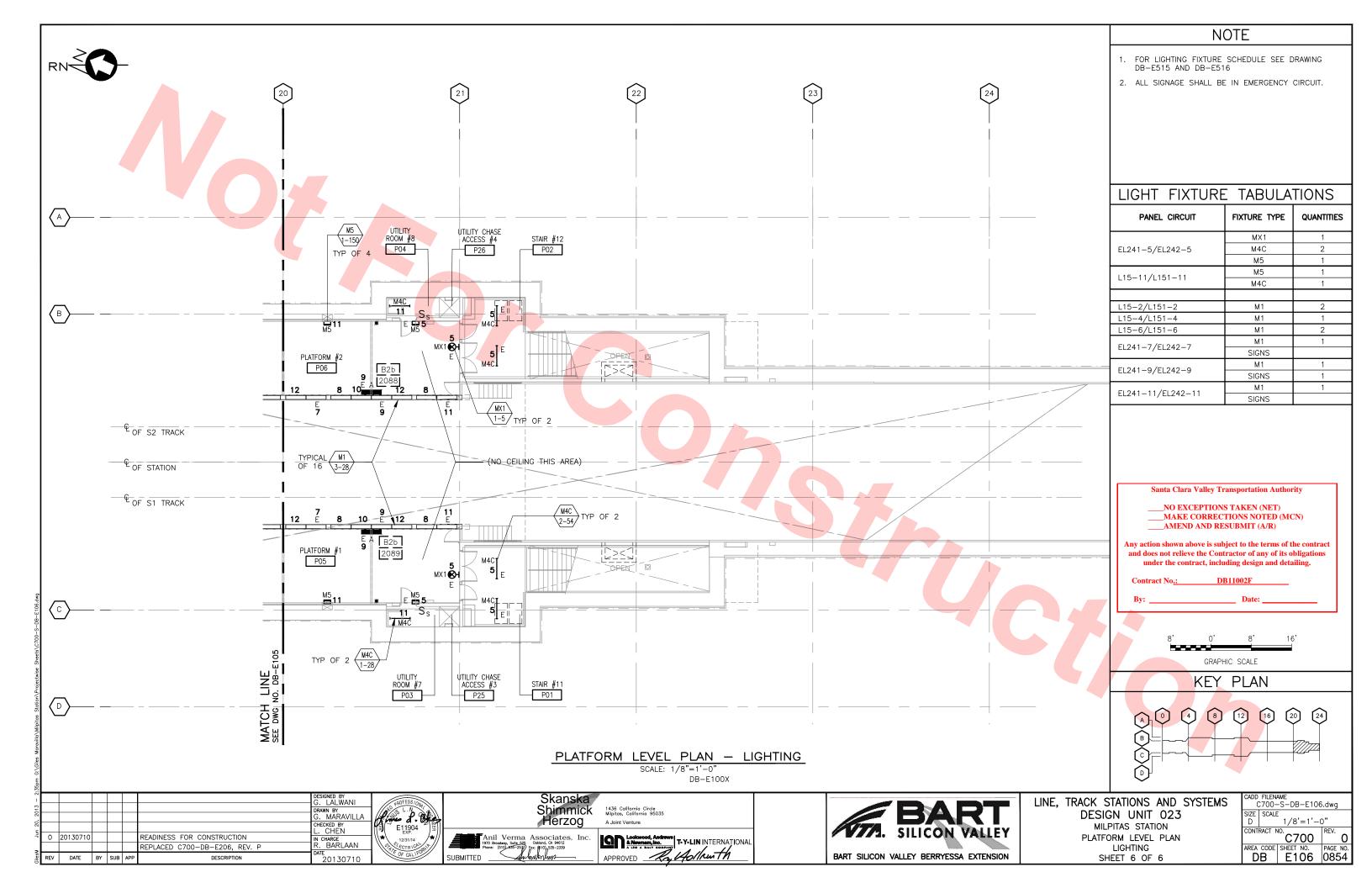
NOTE				
	DB-E515 AND DB-E5			
	2. ALL SIGNAGE SHOWN S CIRCUIT.	2. ALL SIGNAGE SHOWN SHALL BE IN EMERGENCY CIRCUIT.		
	LIGHT FIXTURE	E TABULA	TIONS	
V	PANEL CIRCUIT	FIXTURE TYPE	QUANTITIES	
		M2	5	
INTIT	EL241-3/EL242-3	SIGNS	4	
	L15-5/L151-5	M2	13	
	L15-7/L151-7	M36	20	
	L15-9/L151-9	M36	4	
	L15-13/L151-13	M18	8	
	L15-15/L151-15	M4A M4B	1 8	
		M4B M3	8	
_	L15-19/L151-19 L15-21/L151-21	M3 M3	1	
_		UNU		
_	L15-2/L151-2	M1	7	
_	L15-4/L151-4	M1	7	
	L15-6/L151-6	M1	7	
		M1	4	
_	EL241-7/EL242-7	SIGNS	2	
		M1	3	
	EL241-9/EL242-9	SIGNS	3	
_		M1	4	
	EL241-11/EL242-11	SIGNS	2	
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	Santa Clara Valley T	ransportation Author	rity	
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40. DB-E103X	NO EXCEPTION MAKE CORREC AMEND AND RI Any action shown above is su and does not relieve the Con under the contract, incl Contract No.: D By: By: GRAP KEY	IS TAKEN (NET) CTIONS NOTED (MC ESUBMIT (A/R) bject to the terms of t tractor of any of its o uding design and det B11002F 	CN) he contract bligations ailing. 5'	
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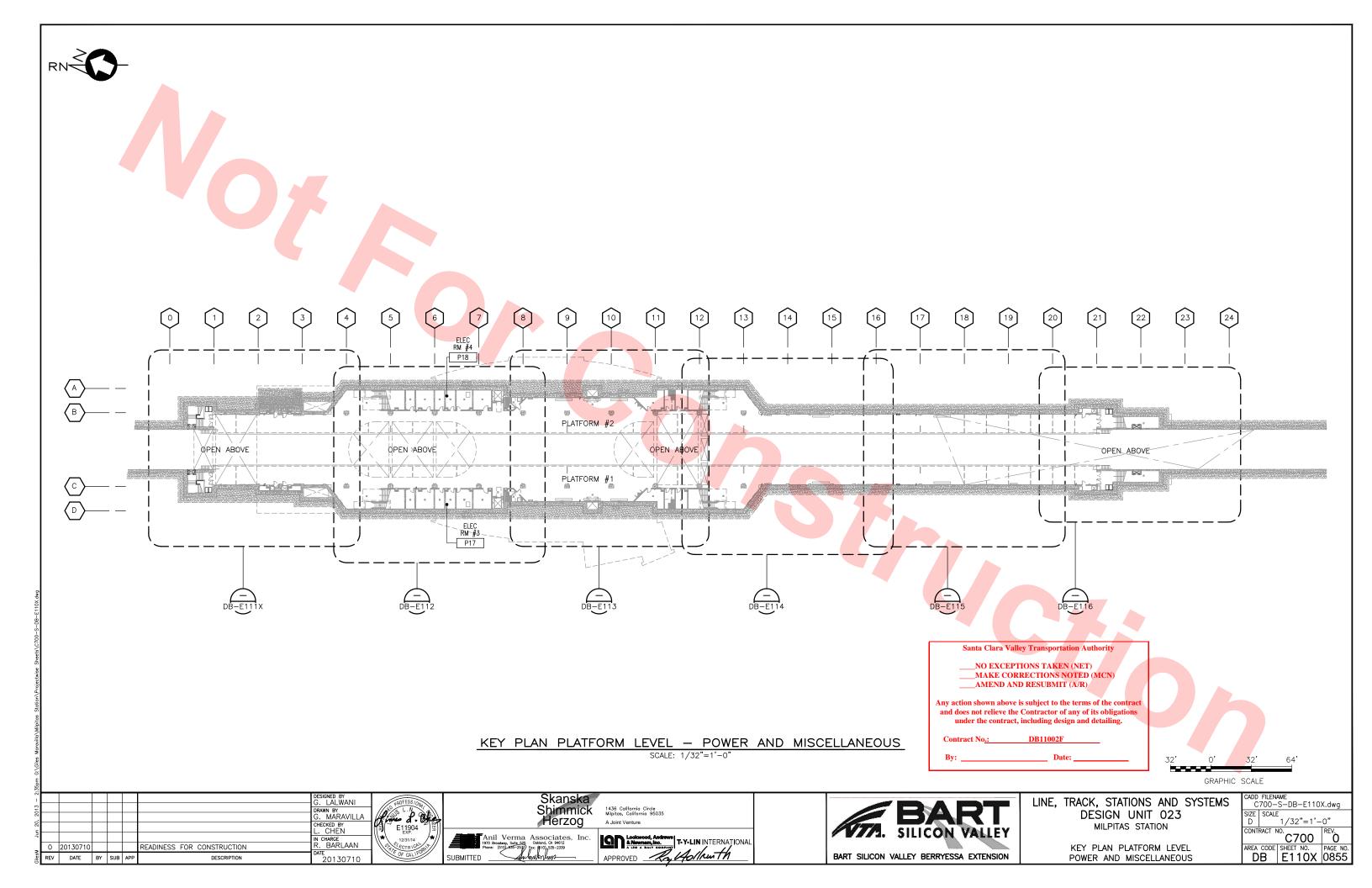


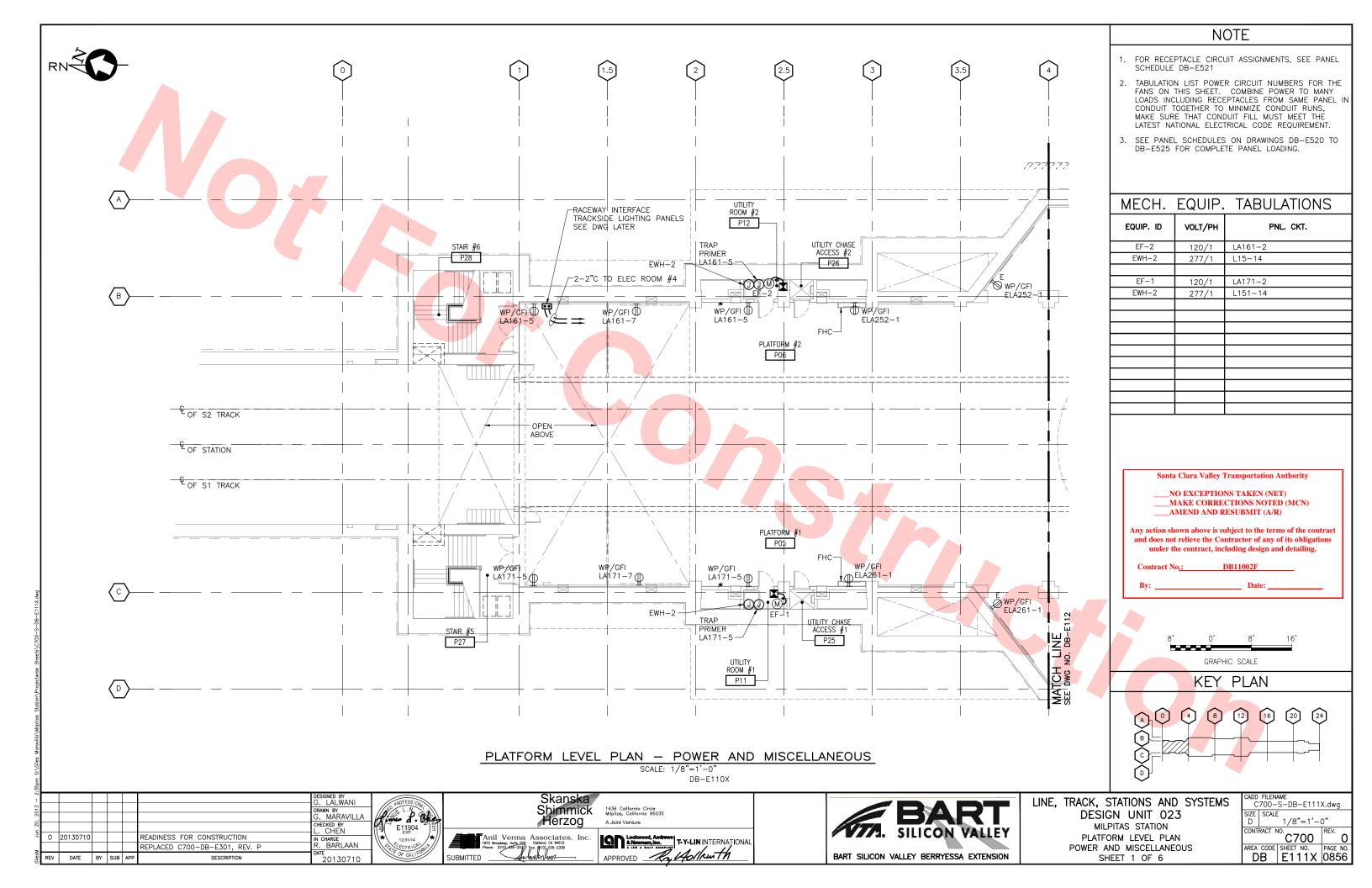


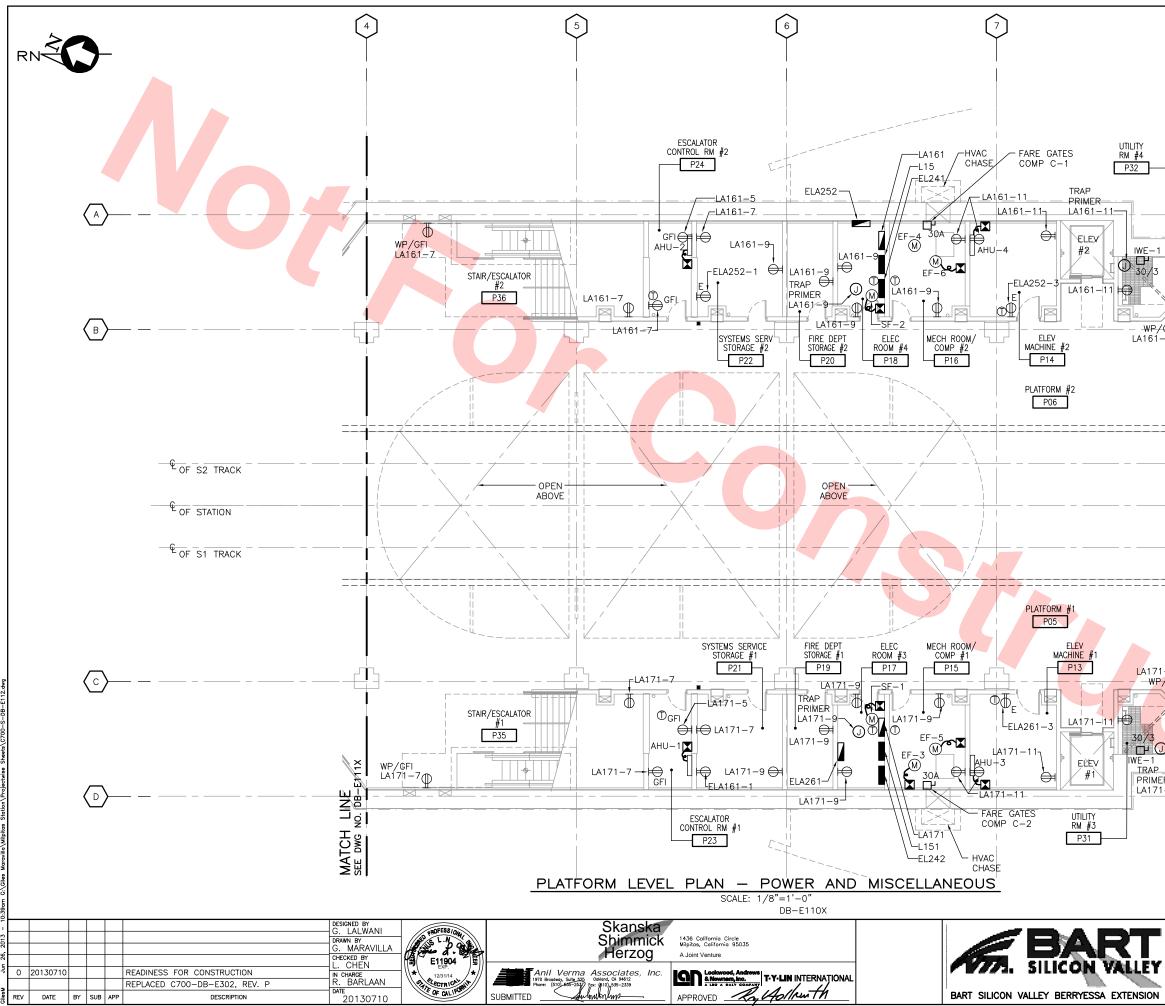
NOTE 1. FOR LIGHTING FIXTURE SCHEDULE SEE DRAWING DB-E515 AND DB-E516 2. ALL SIGNAGE SHOWN SHALL BE IN EMERGENCY CIRCUIT. LIGHT FIXTURE TABULATIONS PANEL CIRCUIT FIXTURE TYPE QUANTITE EL241-3/EL242-3 M2 2 EL241-5/EL242-5 M2 3 L15-9/L151-9 M36 8 L15-15/L151-25 M18 2 L15-2/L151-2 M1 7 L15-6/L151-6 M1 7	ITIES
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$- \begin{array}{c cccc} & M2 & 18 \\ \hline M18 & 2 \\ \hline \\ & & \\ \\ L15-2/L151-2 & M1 & 7 \\ \hline \\ L15-4/L151-4 & M1 & 8 \\ \hline \\ L15-6/L151-6 & M1 & 7 \\ \hline \\ EL241-7/EL242-7 & M1 & 4 \\ \hline \\ SIGNS & 5 \\ \end{array}$	
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Santa Clara Valley Transportation Authority	
NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R) Any action shown above is subject to the terms of the contract	ct
and does not relieve the Contractor of any of its obligations under the contract, including design and detailing. Contract No.: DB11002F	î.
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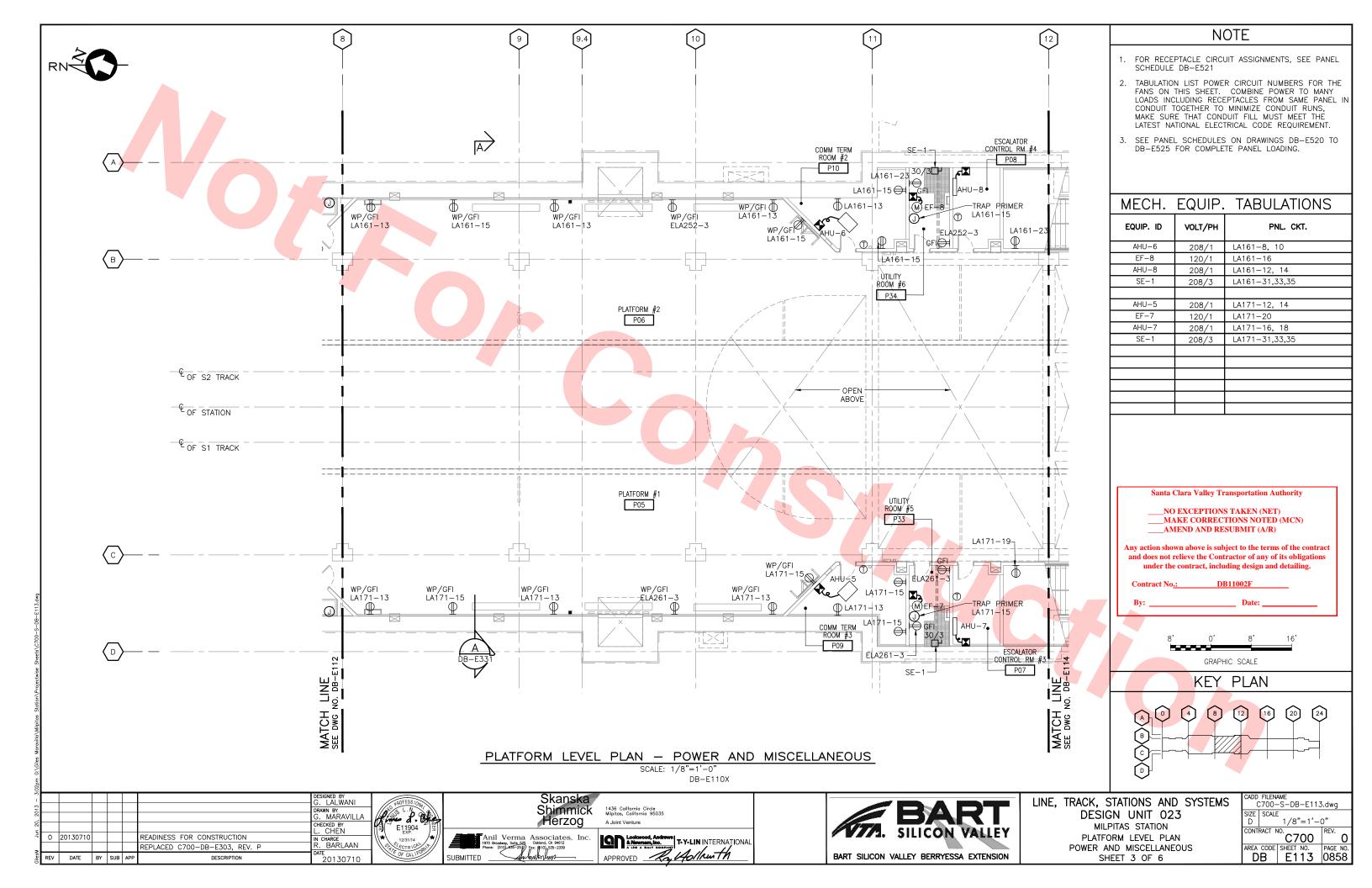


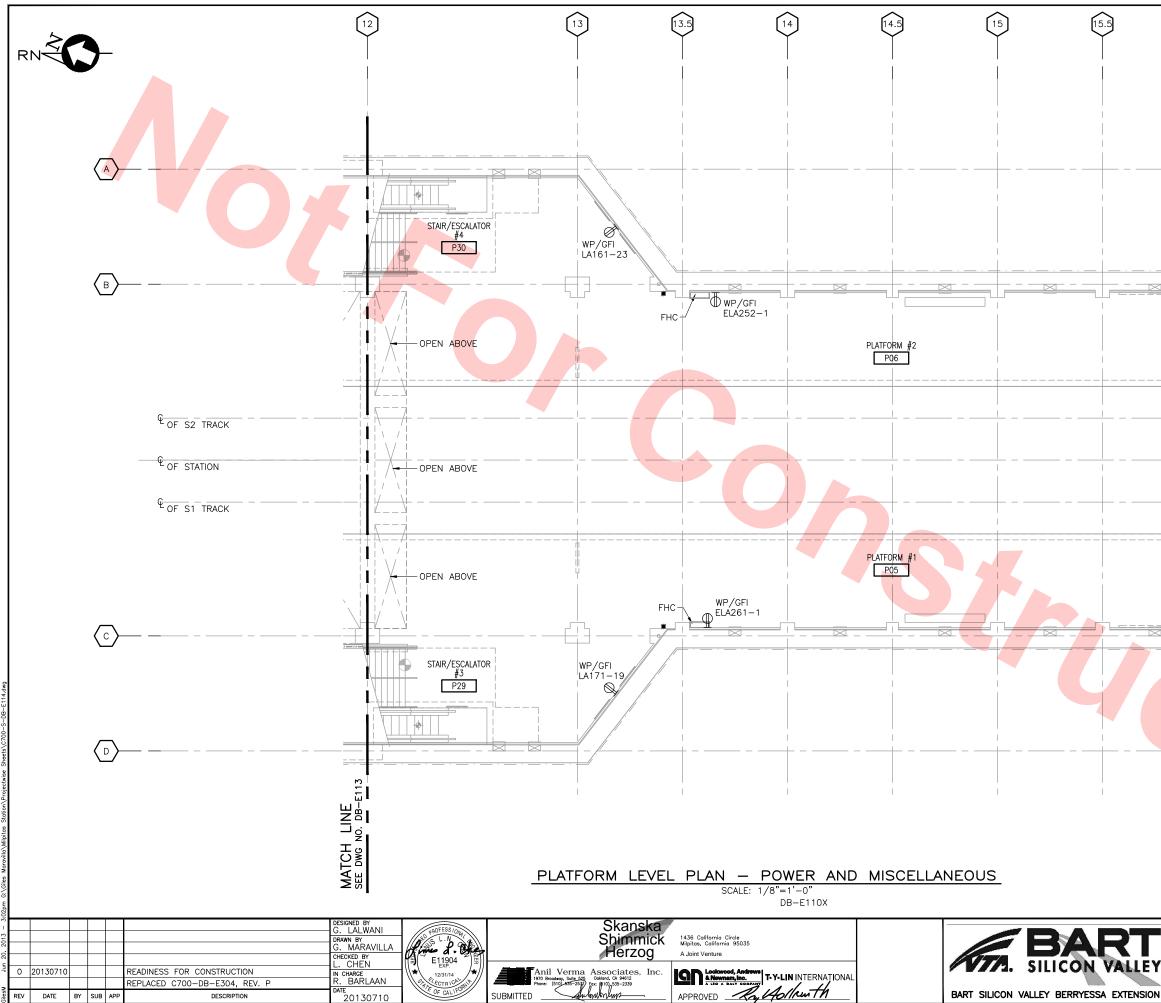




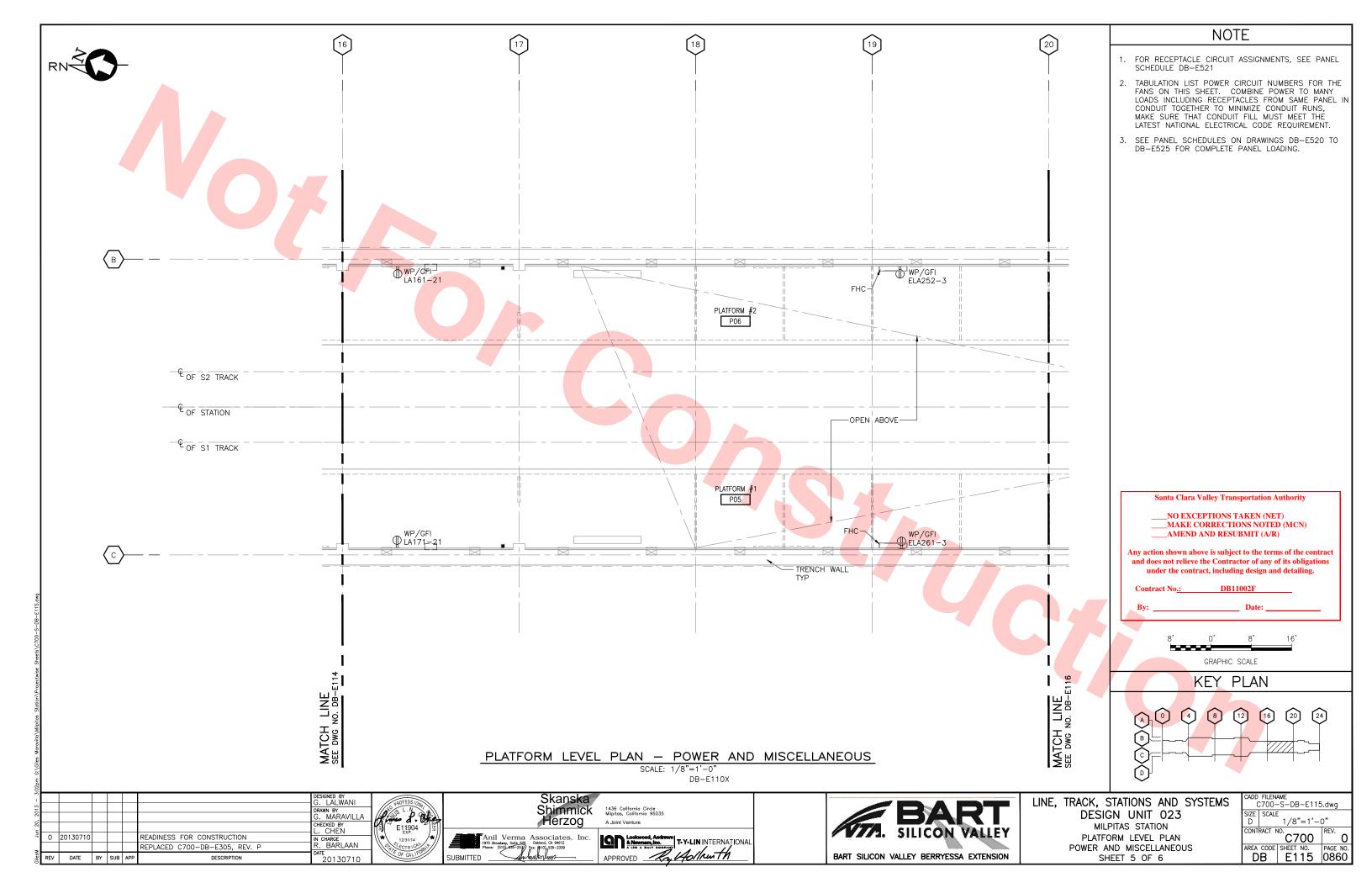


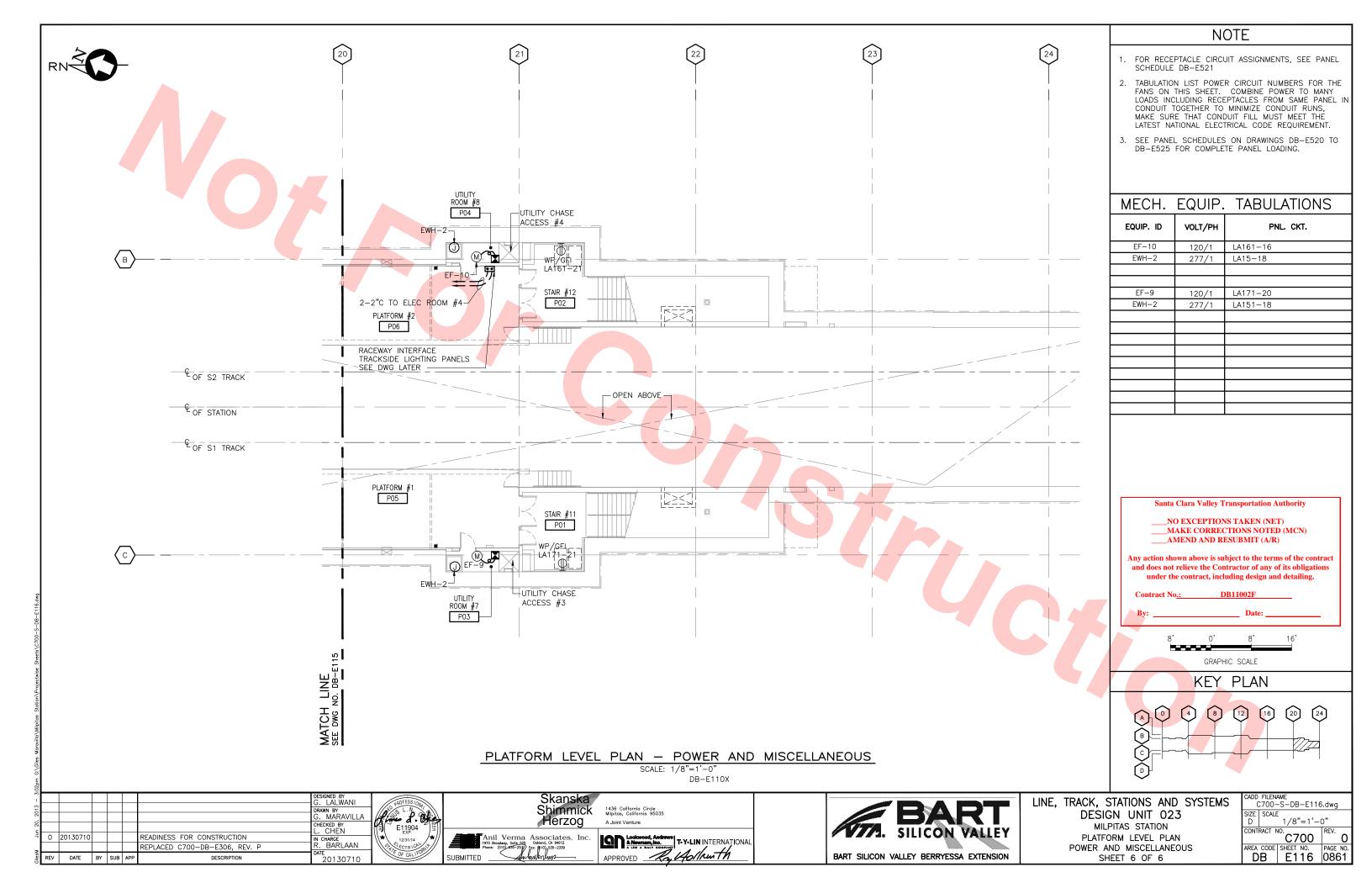
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3	AHU-2 SF-2	208/1	LA161-4, 6
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	EF-6	120/1	LA161-2
//P/GFI	AHU-4	208/1	LA161-8, 10
	IWE-1	208/3	LA161-37,39,41
	EWH-2	277/1	LA15-16
	C-1	480/3	EL241-8,10,12
	AHU-1	208/1	LA171-4, 6
	SF-1	120/1	LA171-2
	EF-3 EF-5	120/1	LA171-2
	AHU-3	120/1 208/1	LA171-2 LA171-8, 10
	IWE-1	208/3	LA171-37,39,41
	EWH-2	277/1	LA151-16
	C-2	480/3	EL242-8,10,12
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IMER		KEY	PLAN
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ON SH	EET 2 OF 6		DB E112 0857

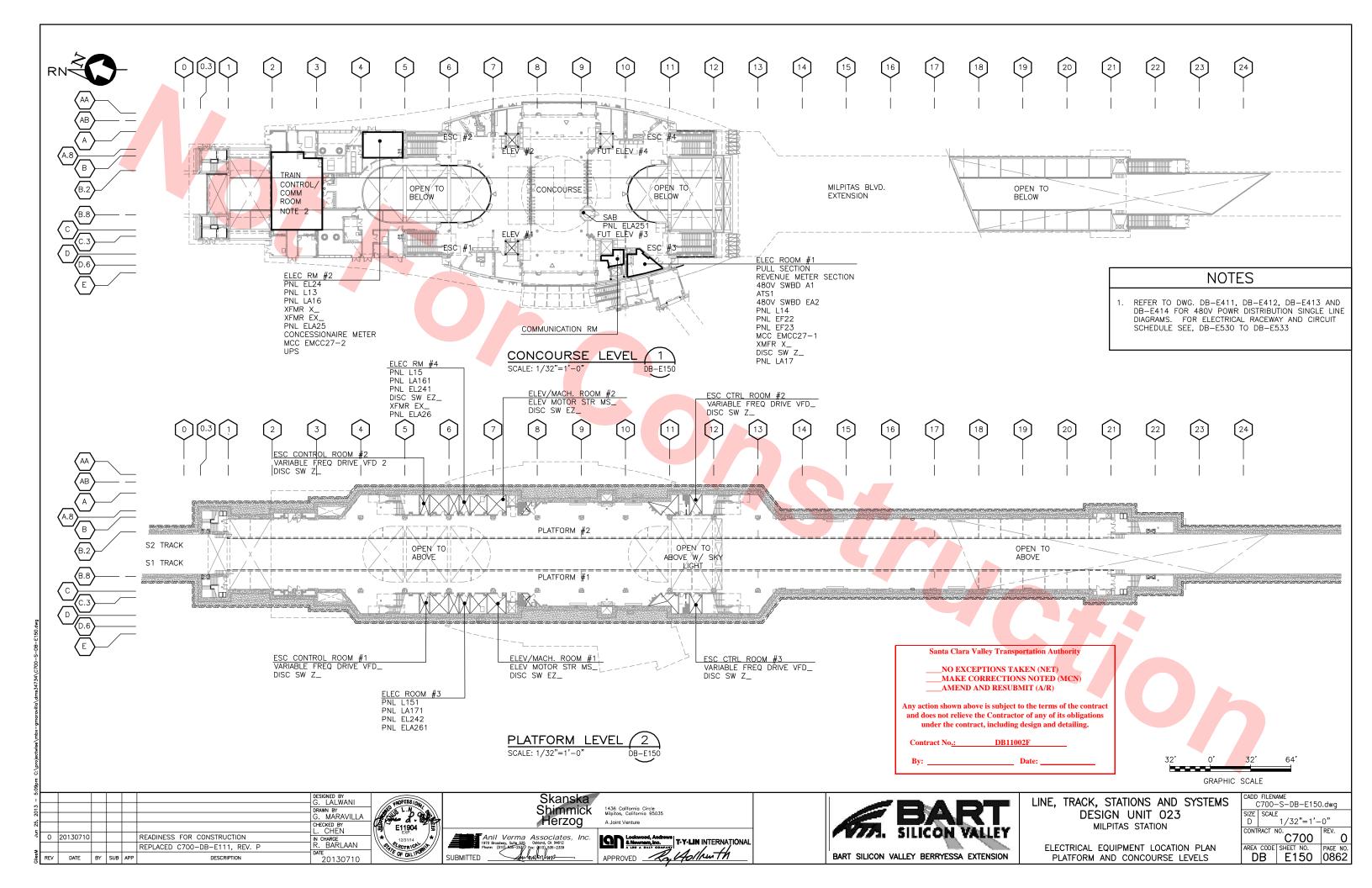


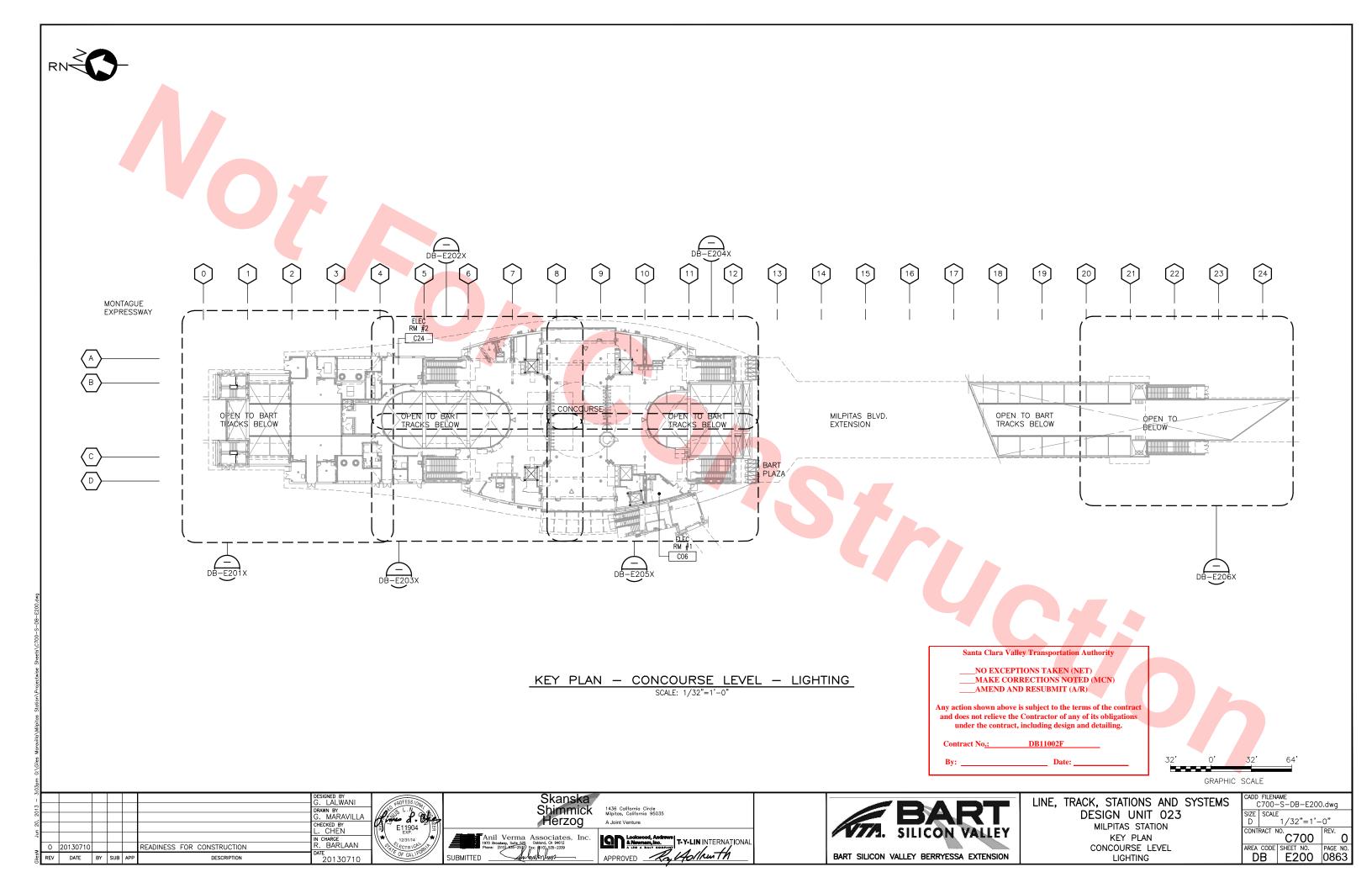


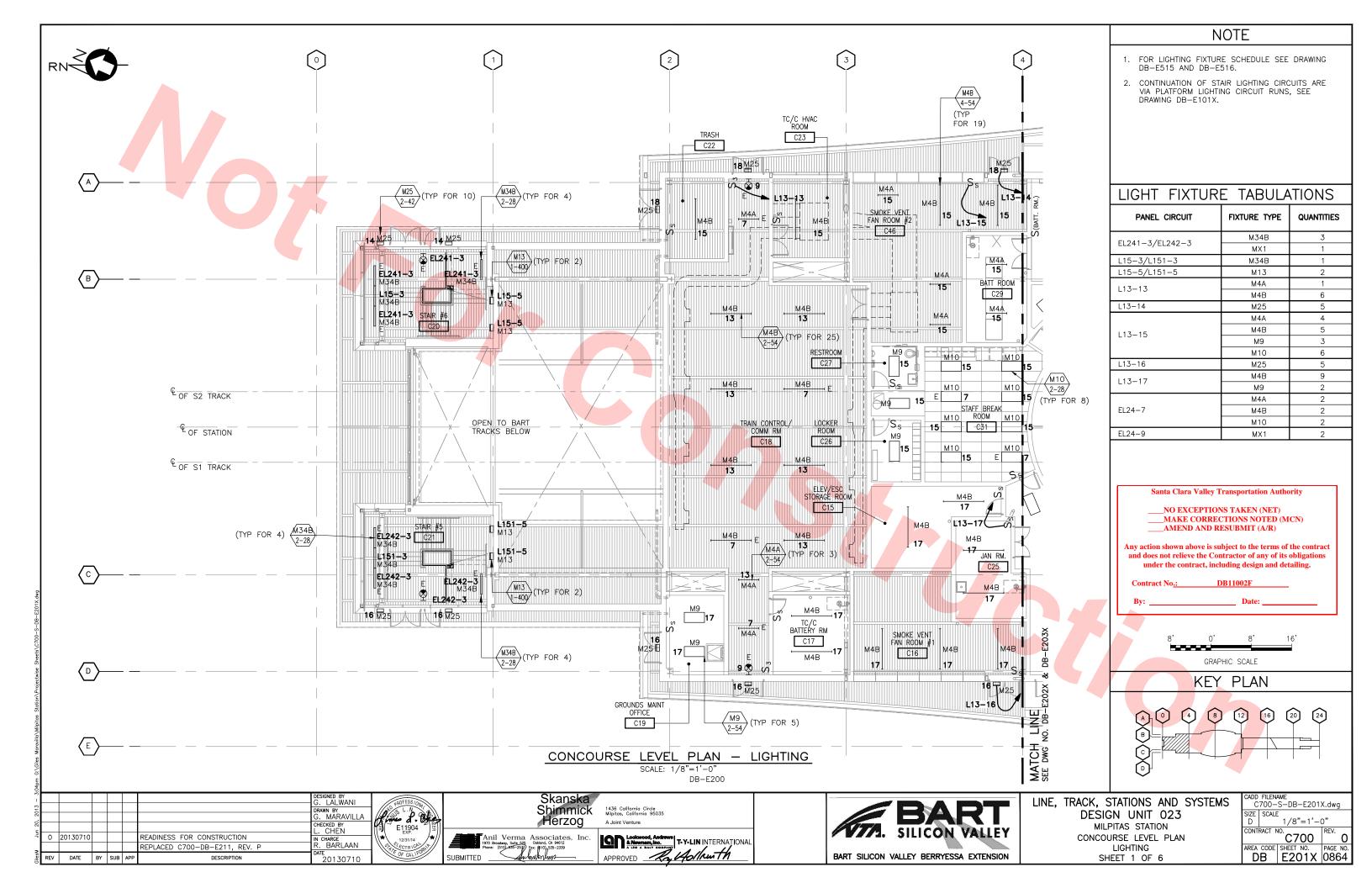
	16	NOTE
	$\left \right\rangle$	 FOR RECEPTACLE CIRCUIT ASSIGNMENTS, SEE PANEL SCHEDULE DB-E521
		 TABULATION LIST POWER CIRCUIT NUMBERS FOR THE FANS ON THIS SHEET. COMBINE POWER TO MANY LOADS INCLUDING RECEPTACLES FROM SAME PANEL IN CONDUIT TOGETHER TO MINIMIZE CONDUIT RUNS, MAKE SURE THAT CONDUIT FILL MUST MEET THE LATEST NATIONAL ELECTRICAL CODE REQUIREMENT.
		 SEE PANEL SCHEDULES ON DRAWINGS DB-E520 TO DB-E525 FOR COMPLETE PANEL LOADING.
		Santa Clara Valley Transportation AuthorityNO EXCEPTIONS TAKEN (NET)MAKE CORRECTIONS NOTED (MCN)AMEND AND RESUBMIT (A/R)
		Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing.
		Contract No <u>.: DB11002F</u> By: Date:
		8' <u>0'8'</u> 16'
		KEY PLAN
	MATCH LINE SEE DWG NO. DB-E115	
	DESIG MILF PLATFC POWER AI	CADD FILENAME C700-S-DB-E114.dwg SN UNIT 023 PITAS STATION DRM LEVEL PLAN ND MISCELLANEOUS AREA CODE SHEET NO. PAGE NO. PAGE NO.
•	SH	EET 4 OF 6 DB E114 0859

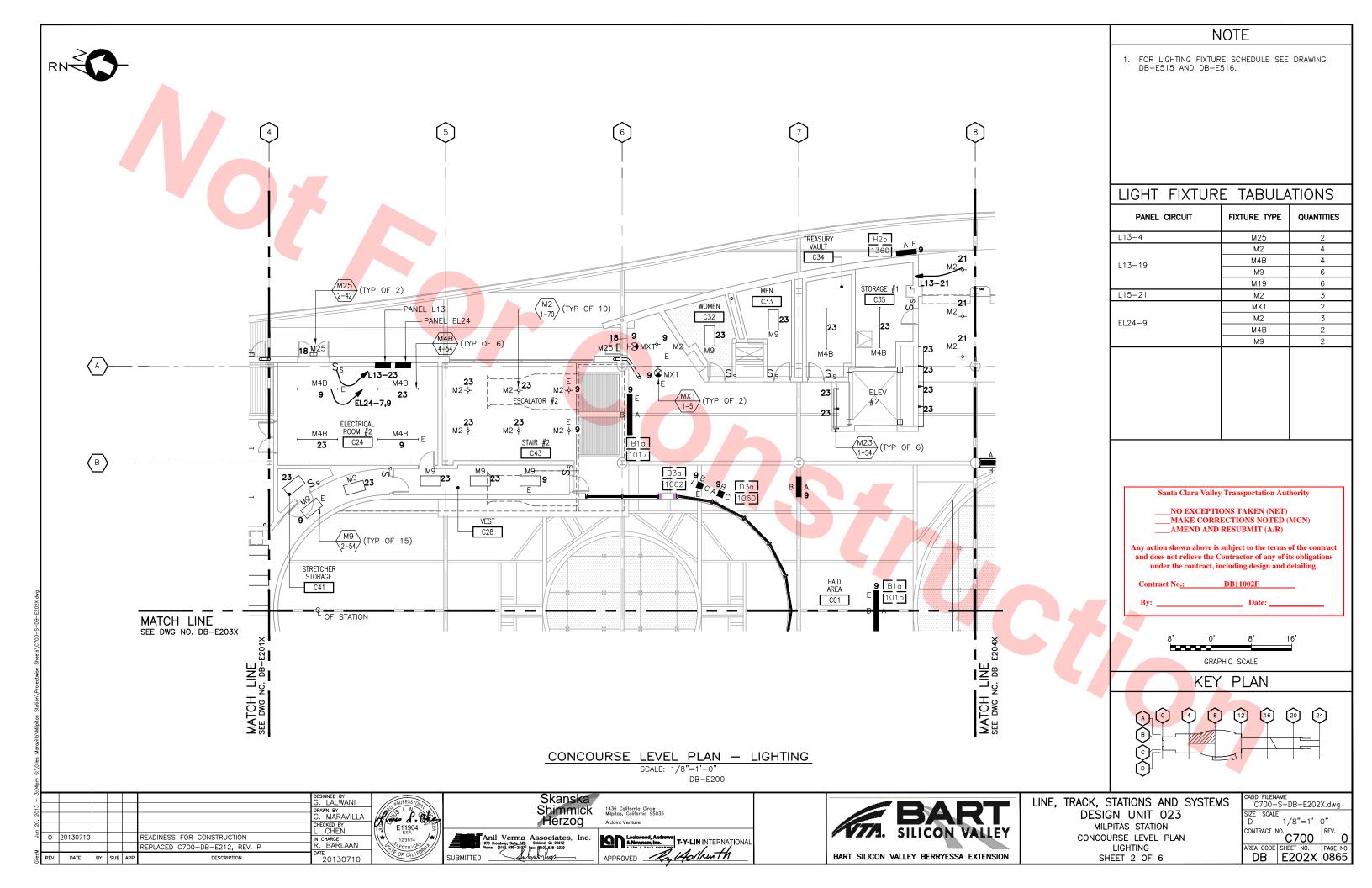


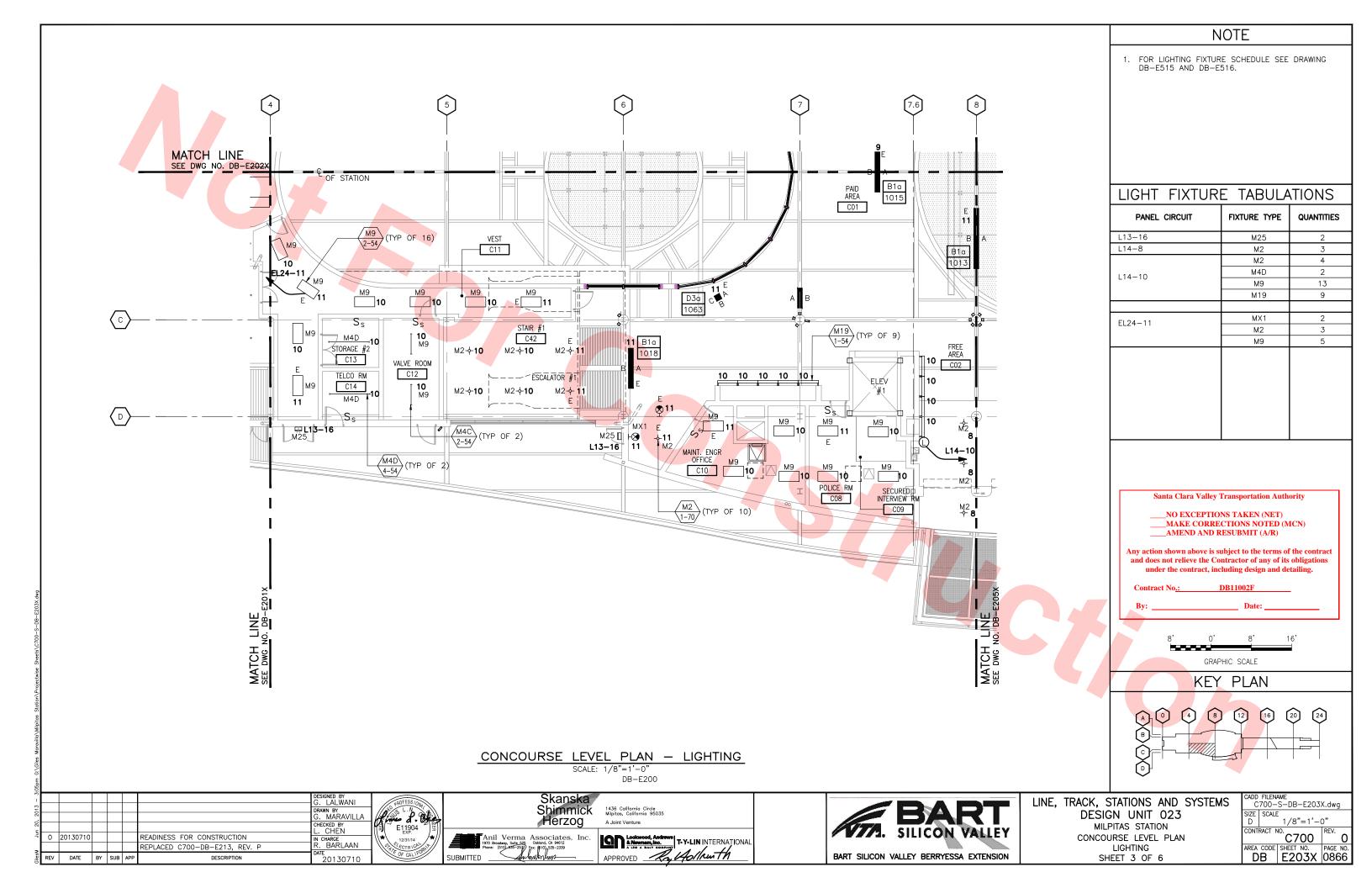


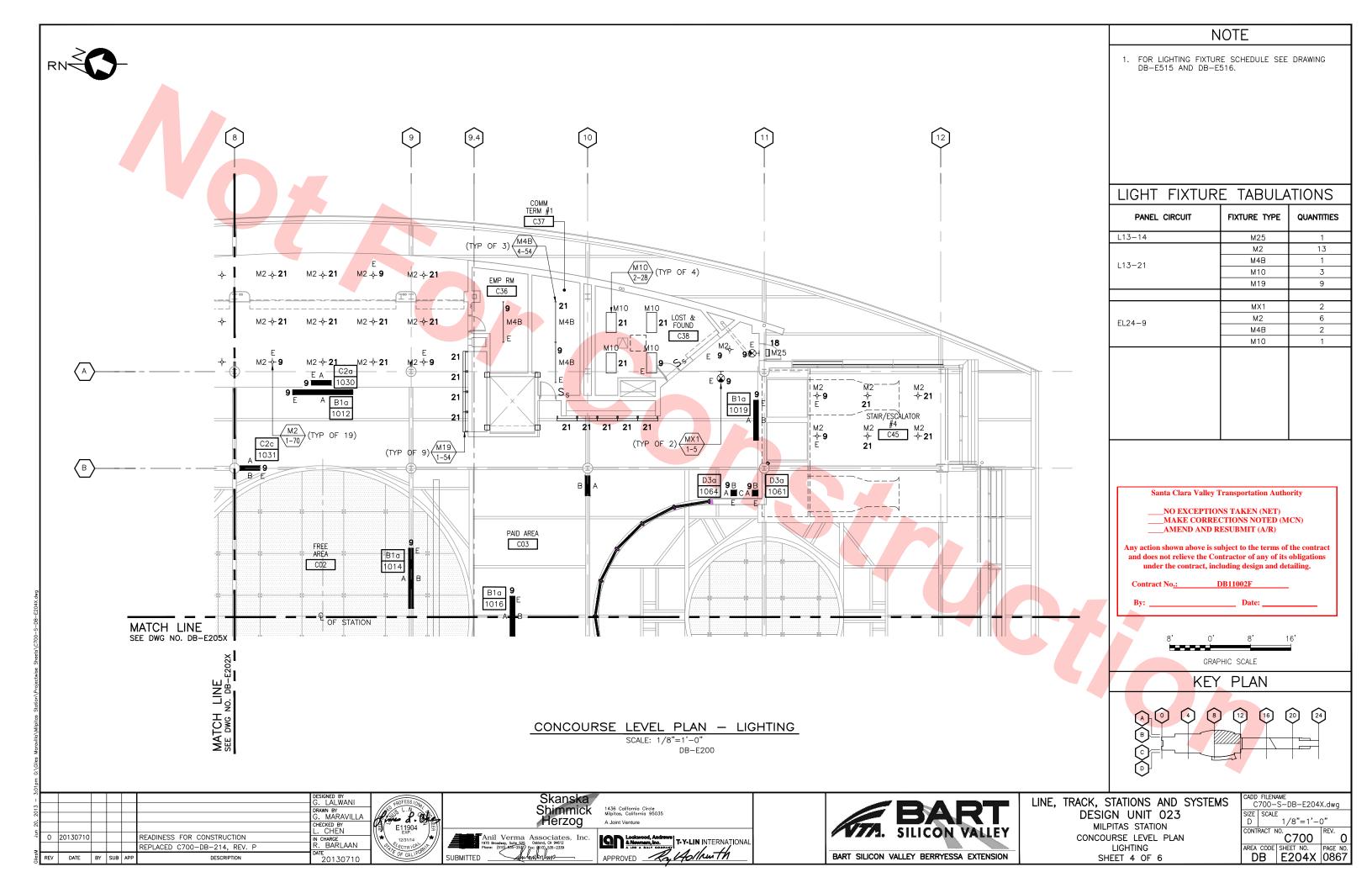


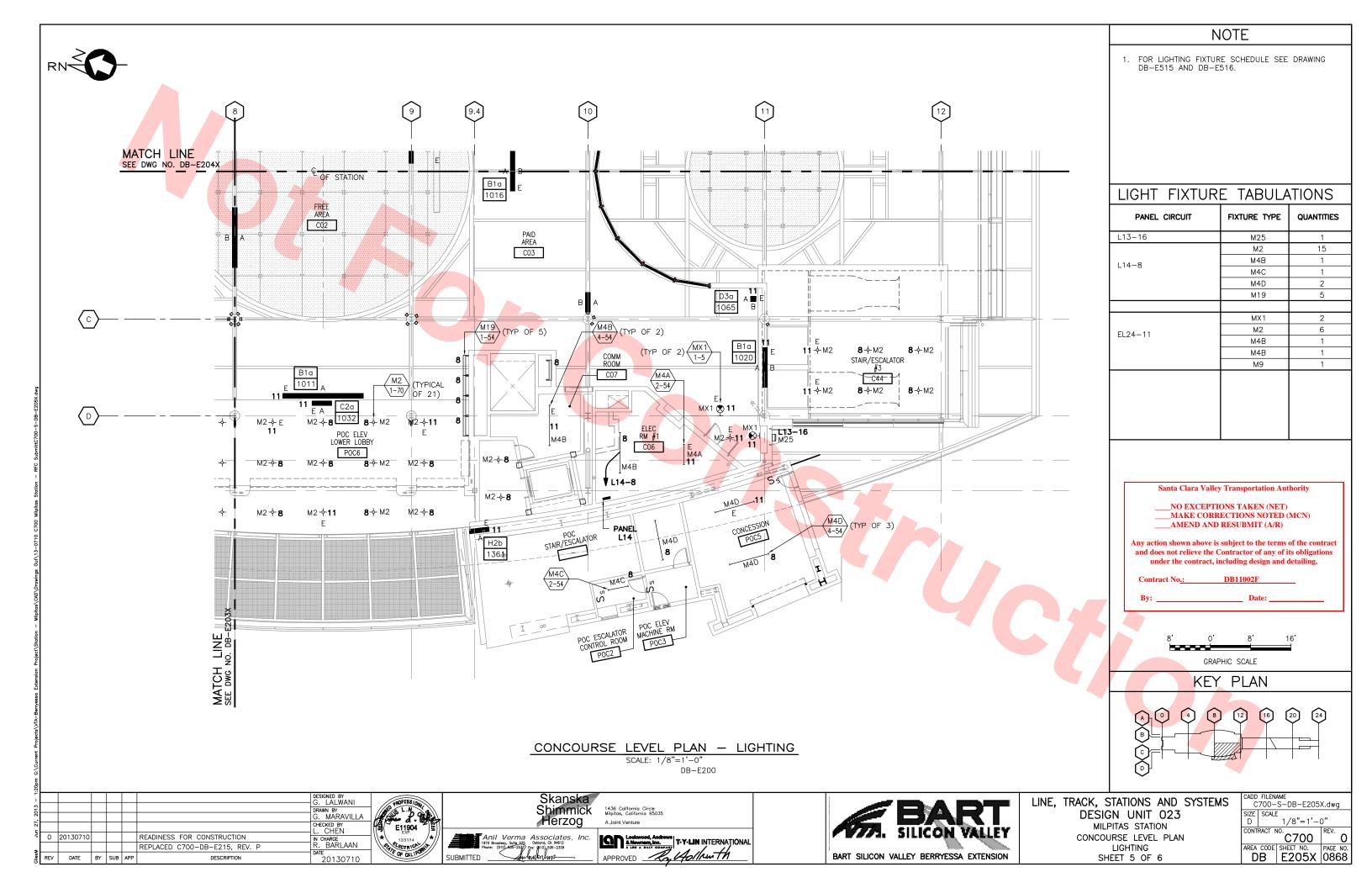


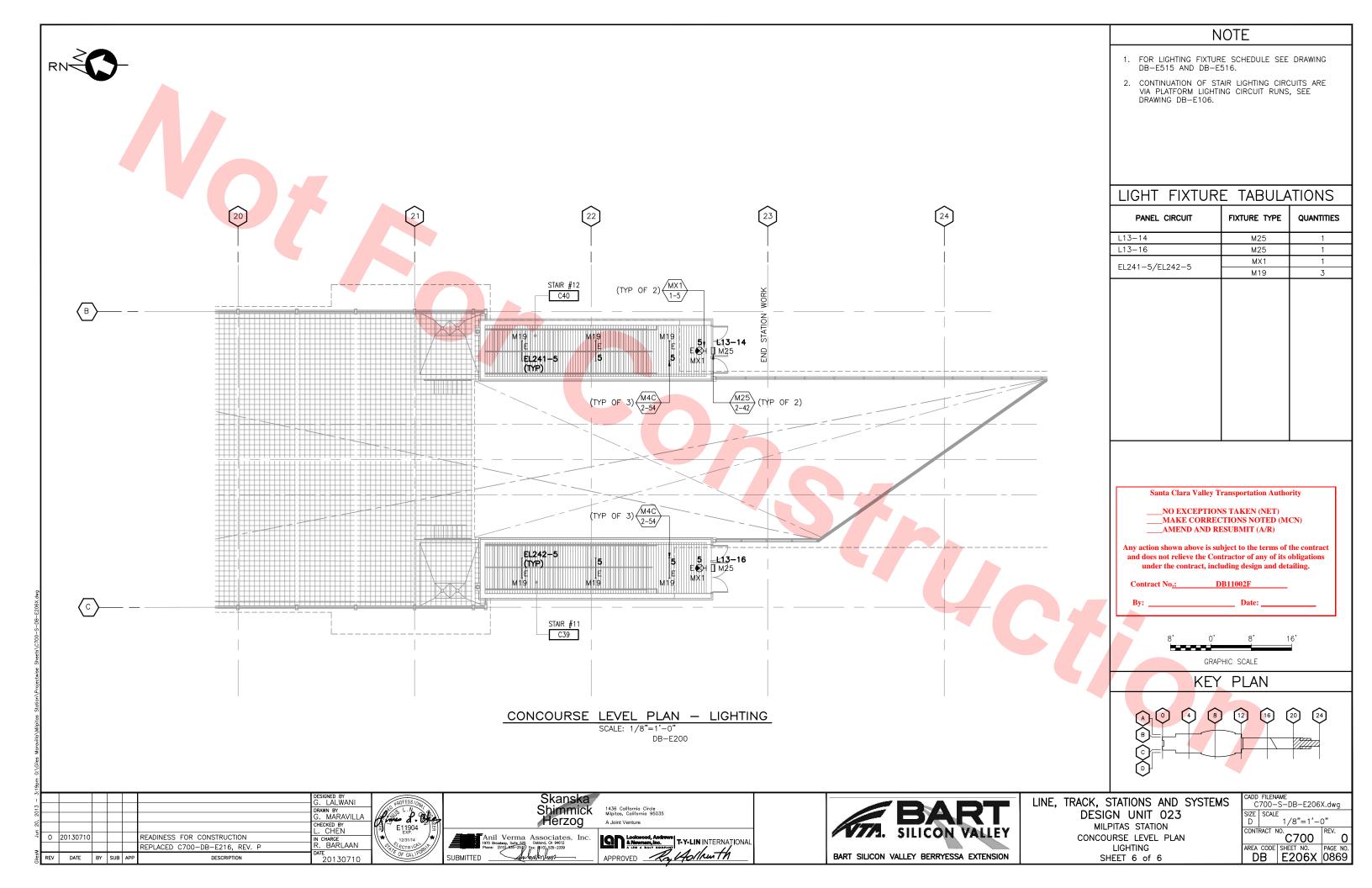


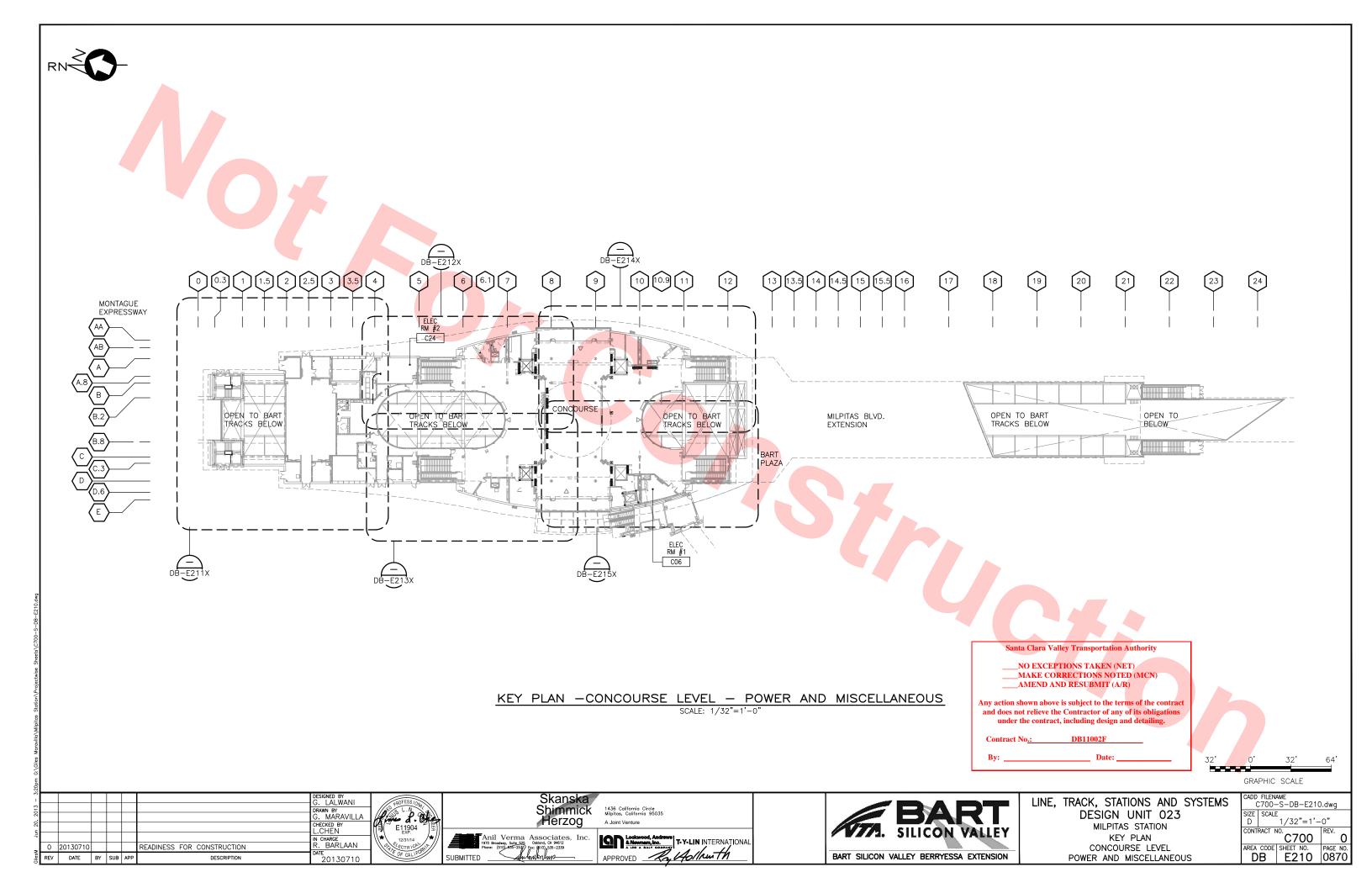


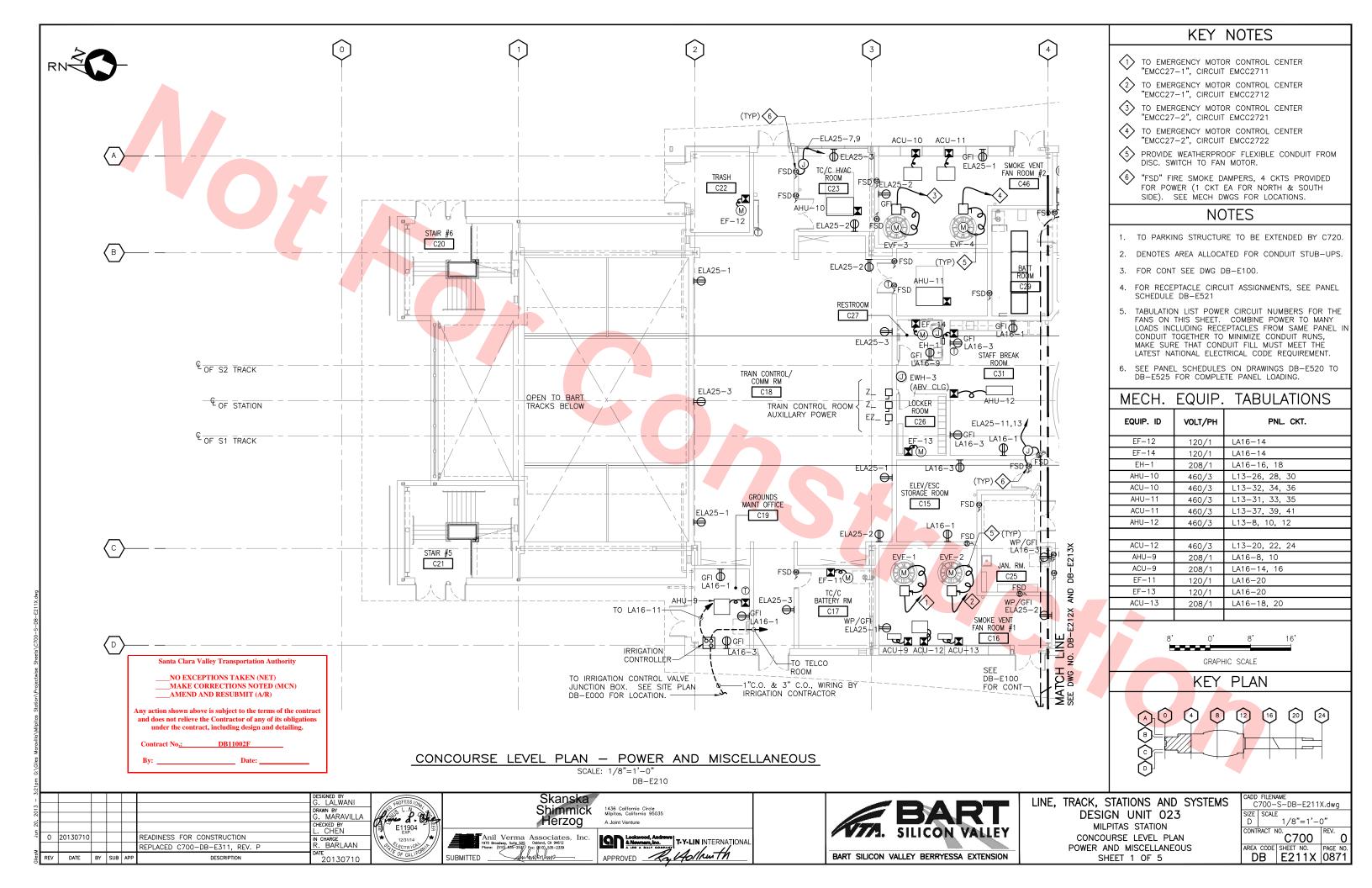


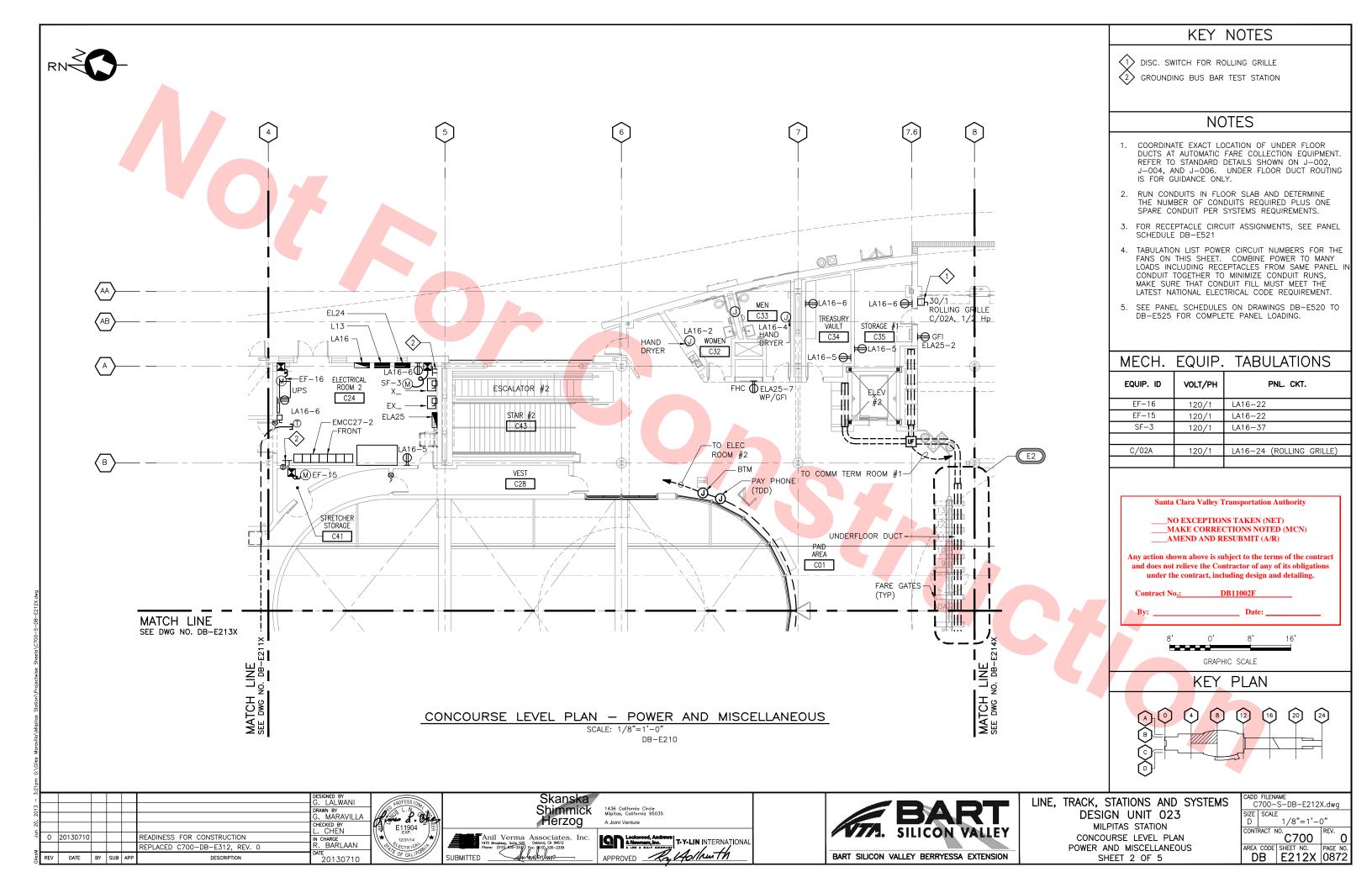


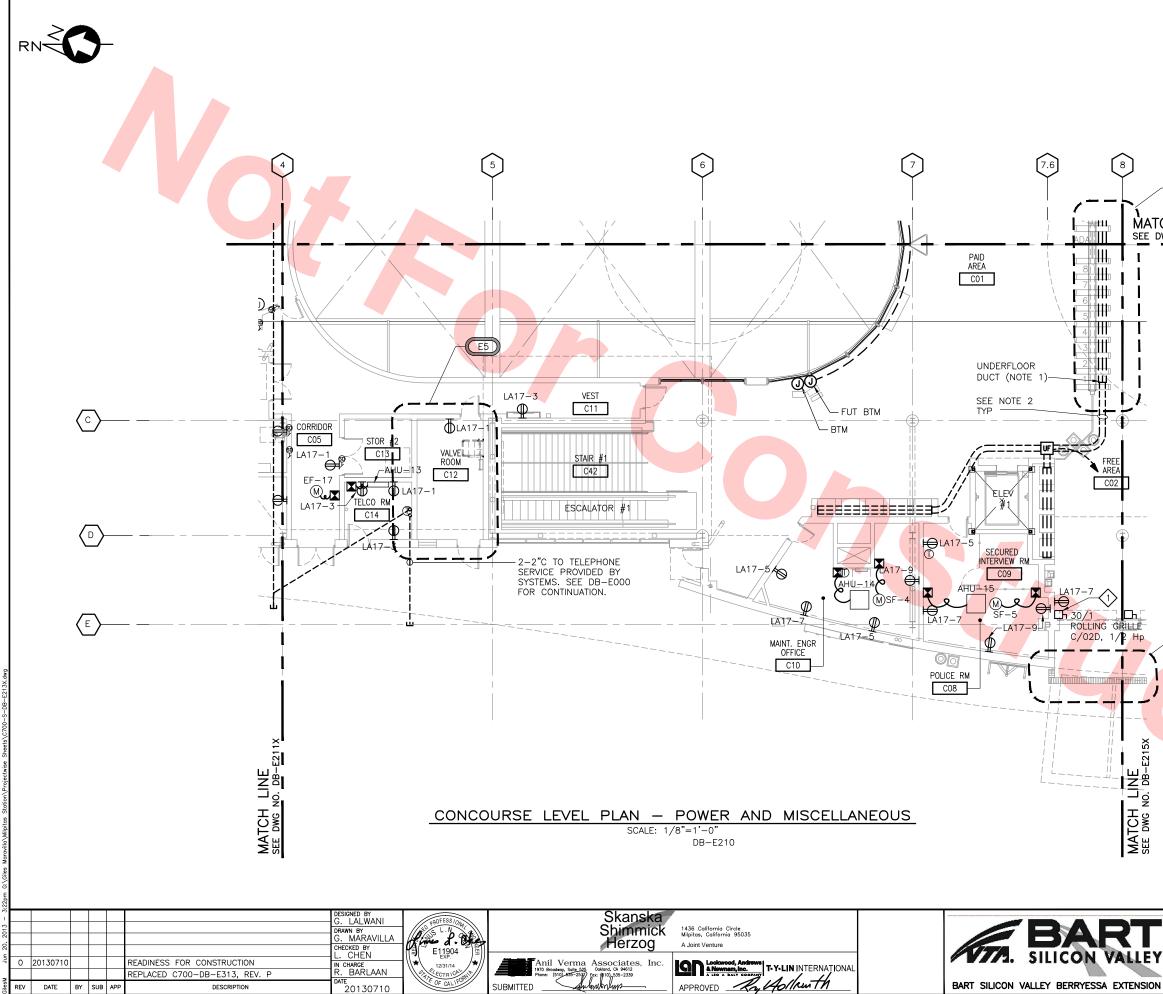




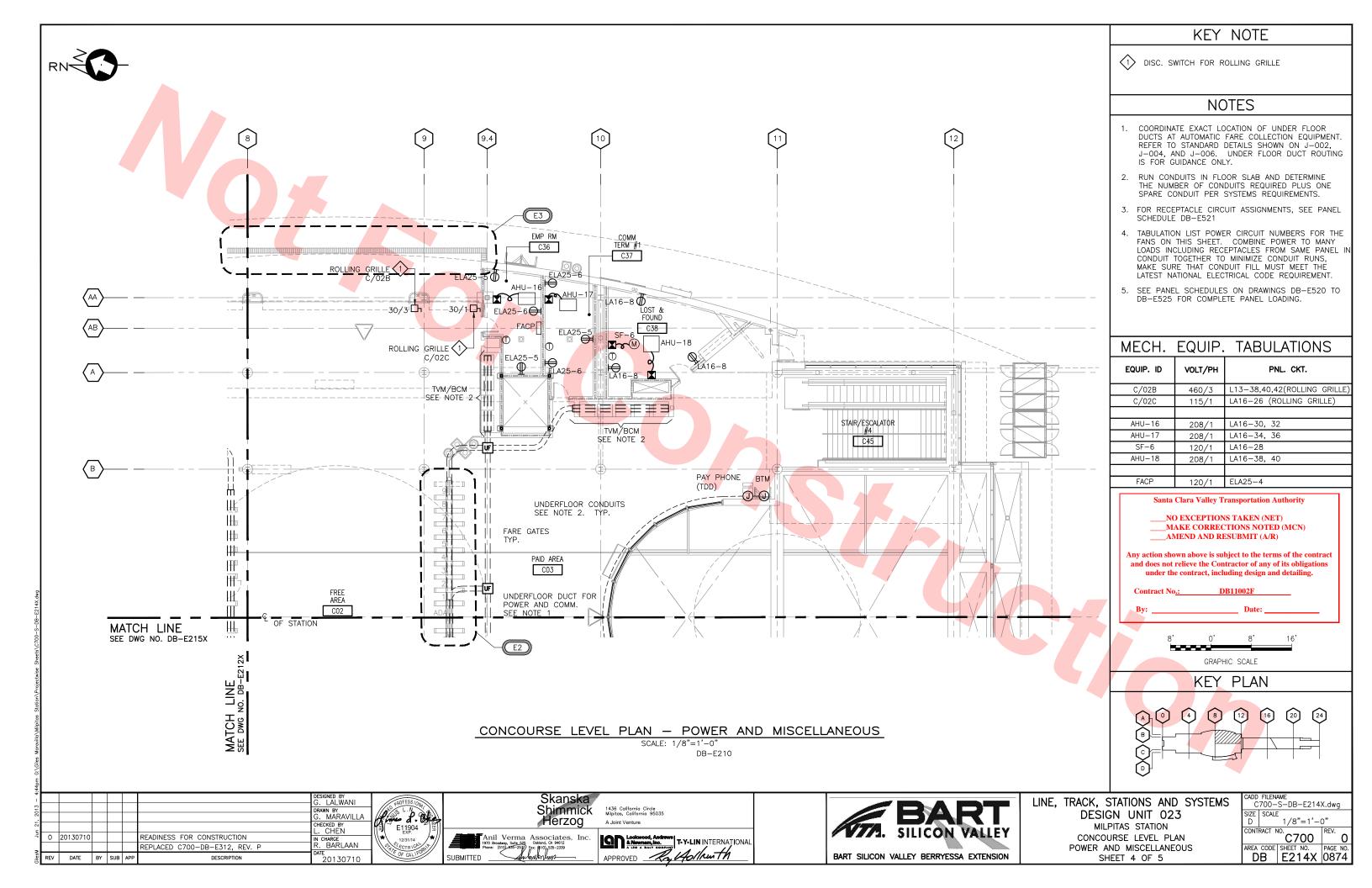


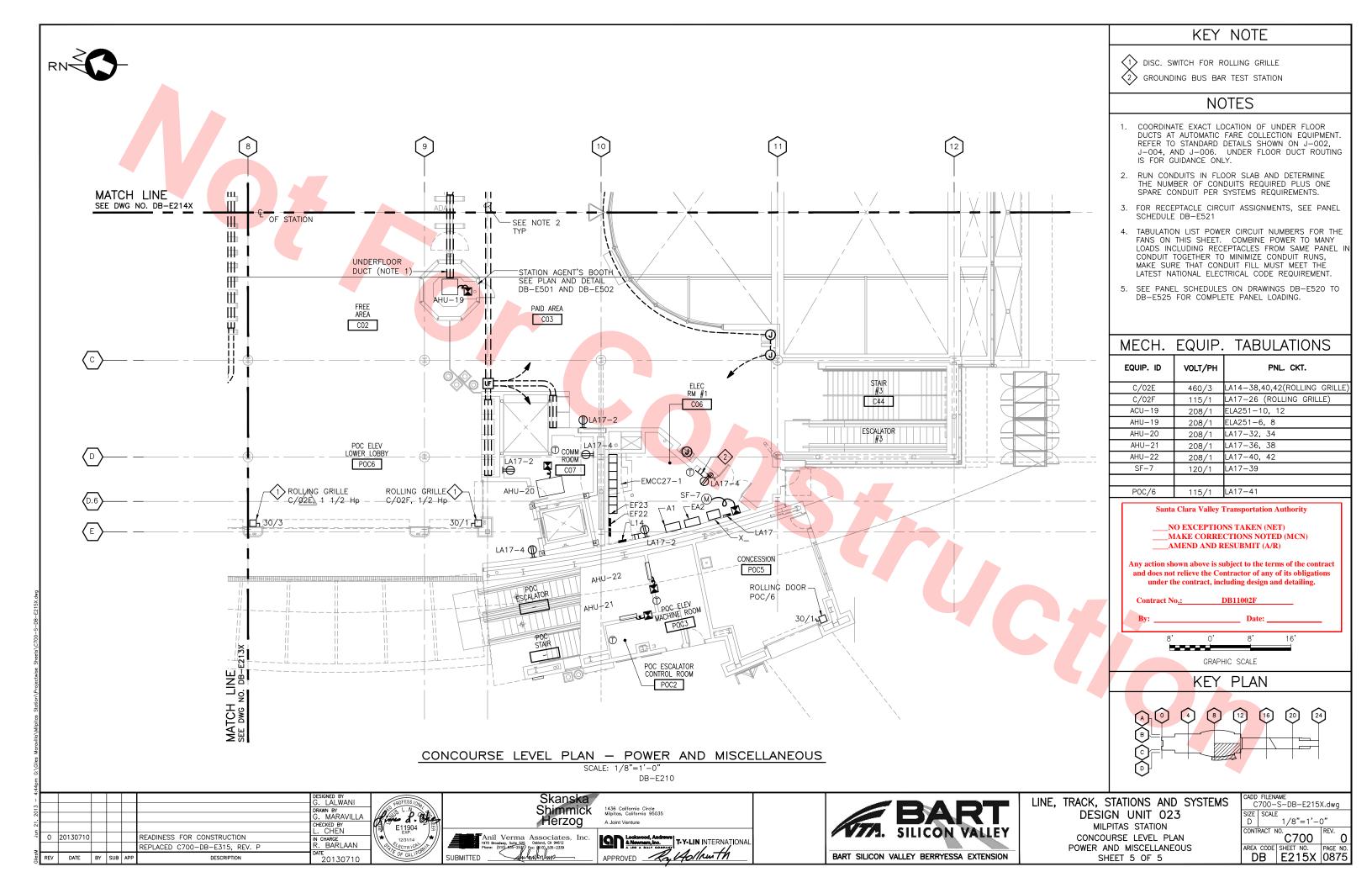


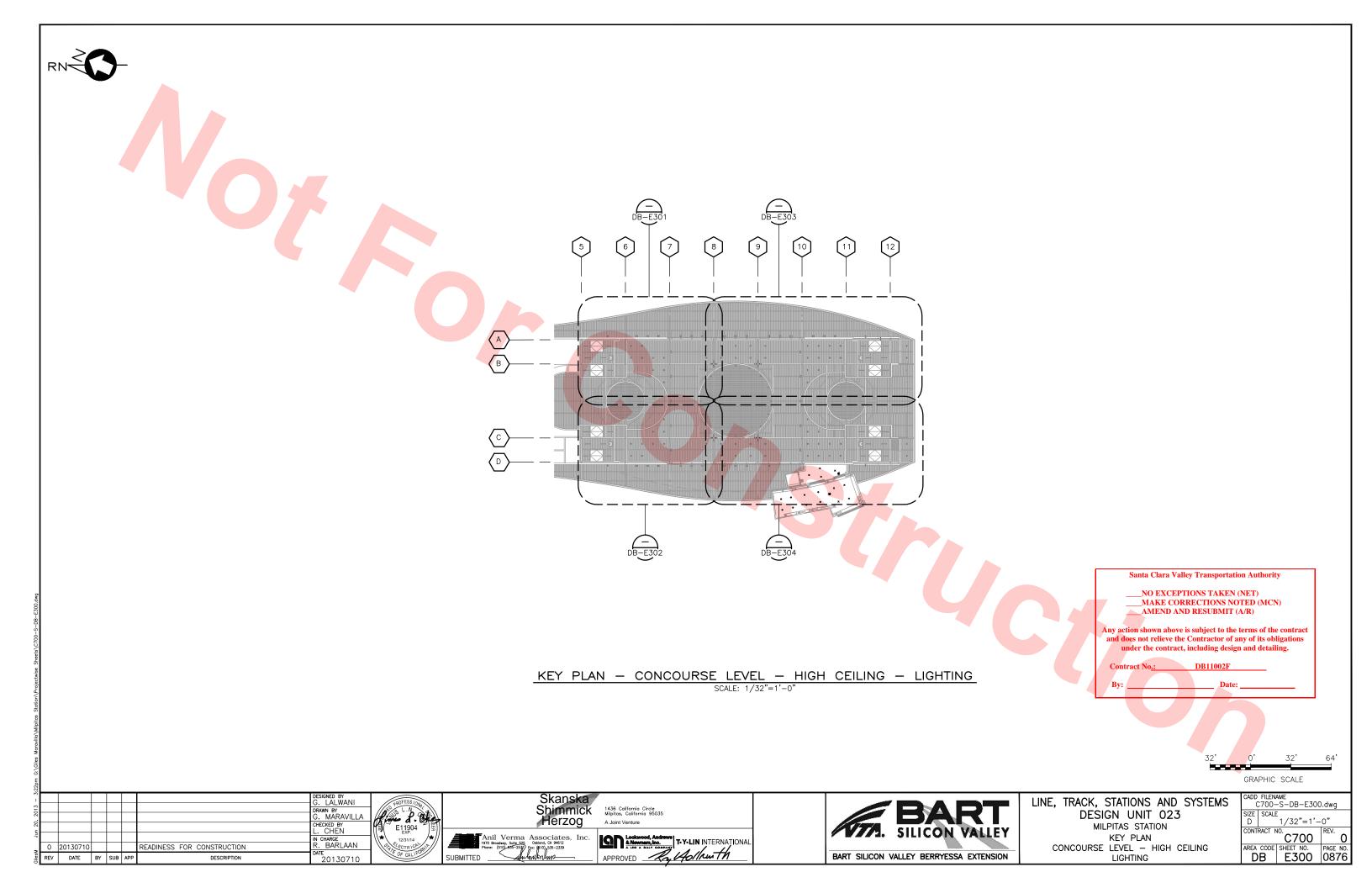


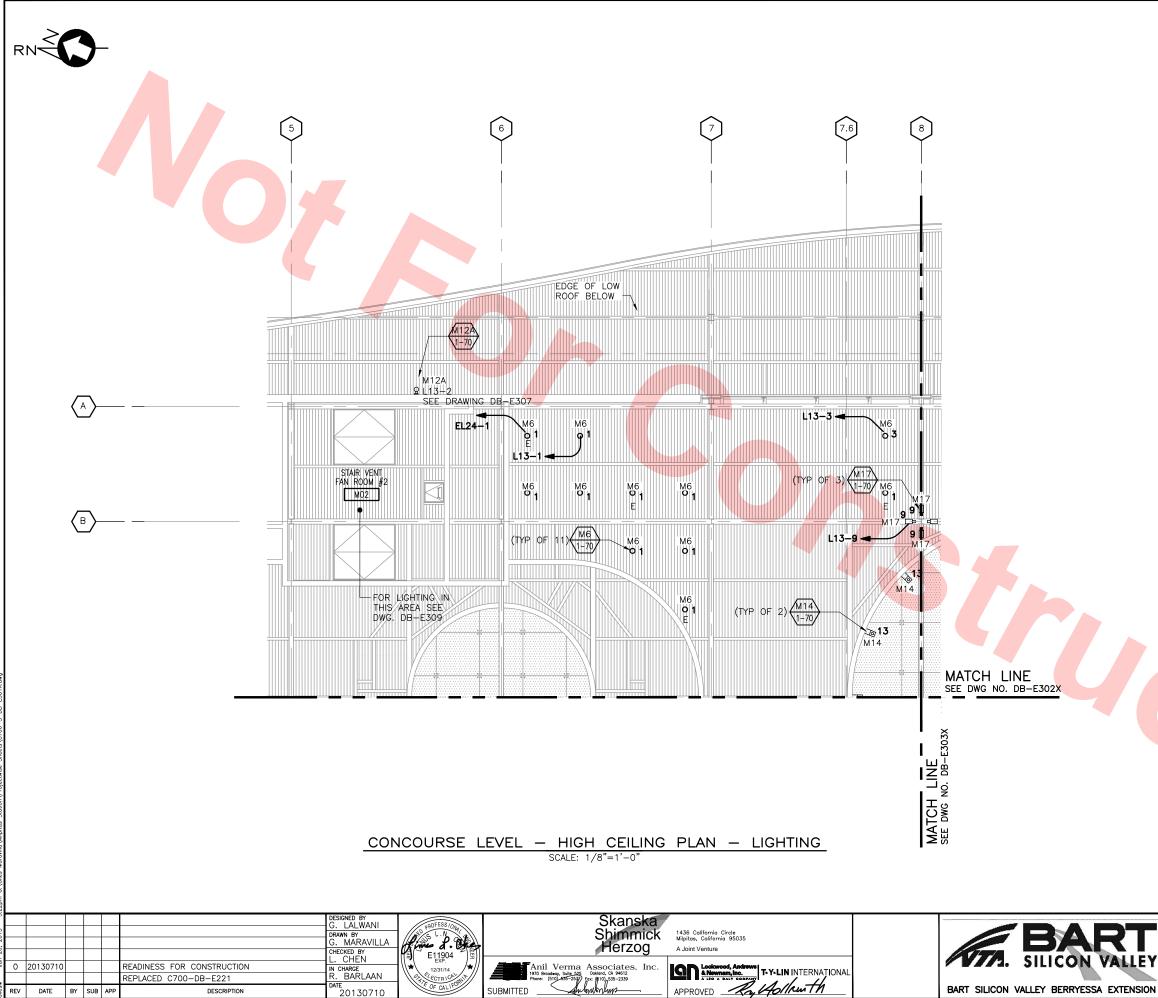


KEY NOTES (1) DISC. SWITCH FOR ROLLING GRILLE NOTES COORDINATE EXACT LOCATION OF UNDER FLOOR DUCTS AT AUTOMATIC FARE COLLECTION EQUIPMENT. REFER TO STANDARD DETAILS SHOWN ON J-002, J-004, AND J-006. UNDER FLOOR DUCT ROUTING IS FOR GUIDANCE ONLY. 2. RUN CONDUITS IN FLOOR SLAB AND DETERMINE THE NUMBER OF CONDUITS REQUIRED PLUS ONE E2 SPARE CONDUIT PER SYSTEMS REQUIREMENTS. 3. FOR RECEPTACLE CIRCUIT ASSIGNMENTS, SEE PANEL MATCH LINE SCHEDULE DB-E521 SEE DWG NO. DB-E212X TABULATION LIST POWER CIRCUIT NUMBERS FOR THE 4. FANS ON THIS SHEET. COMBINE POWER TO MANY LOADS INCLUDING RECEPTACLES FROM SAME PANEL CONDUIT TOGETHER TO MINIMIZE CONDUIT RUNS, MAKE SURE THAT CONDUIT FILL MUST MEET THE LATEST NATIONAL ELECTRICAL CODE REQUIREMENT. 5. SEE PANEL SCHEDULES ON DRAWINGS DB-E520 TO DB-E525 FOR COMPLETE PANEL LOADING. MECH. EQUIP. TABULATIONS EQUIP. ID VOLT/PH PNL. CKT. EF-17 120/1 LA17-6 AHU-13 208/1 ELA25-2, 4 AHU-14 208/1 LA17-12, 14 SF-4 LA17-6 120/1 LA17-16, 18 AHU-15 208/1 SF-5 LA17-6 120/1 C/02D LA17-24 (ROLLING GRILLE) 115/1 Santa Clara Valley Transportation Authority NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R) Any action shown above is subject to the terms of the contract E3 and does not relieve the Contractor of any of its obligations under the contract, including design and detailing. DB11002 Contract No. Date 16 GRAPHIC SCALE KEY PLAN (4) (12) (16) 20 $A_{1}O$ (8) (24) (B) \bigcirc \bigcirc CADD FILENAME C700-S-DB-E213X.dwg LINE, TRACK, STATIONS AND SYSTEMS SIZE SCALE D 1/8"=1'-0"DESIGN UNIT 023 MILPITAS STATION CONTRACT NO. RFV. ^{^.}C700 CONCOURSE LEVEL PLAN 0 POWER AND MISCELLANEOUS REA CODE SHEET NO. DB E213X 0873 SHEET 3 OF 5

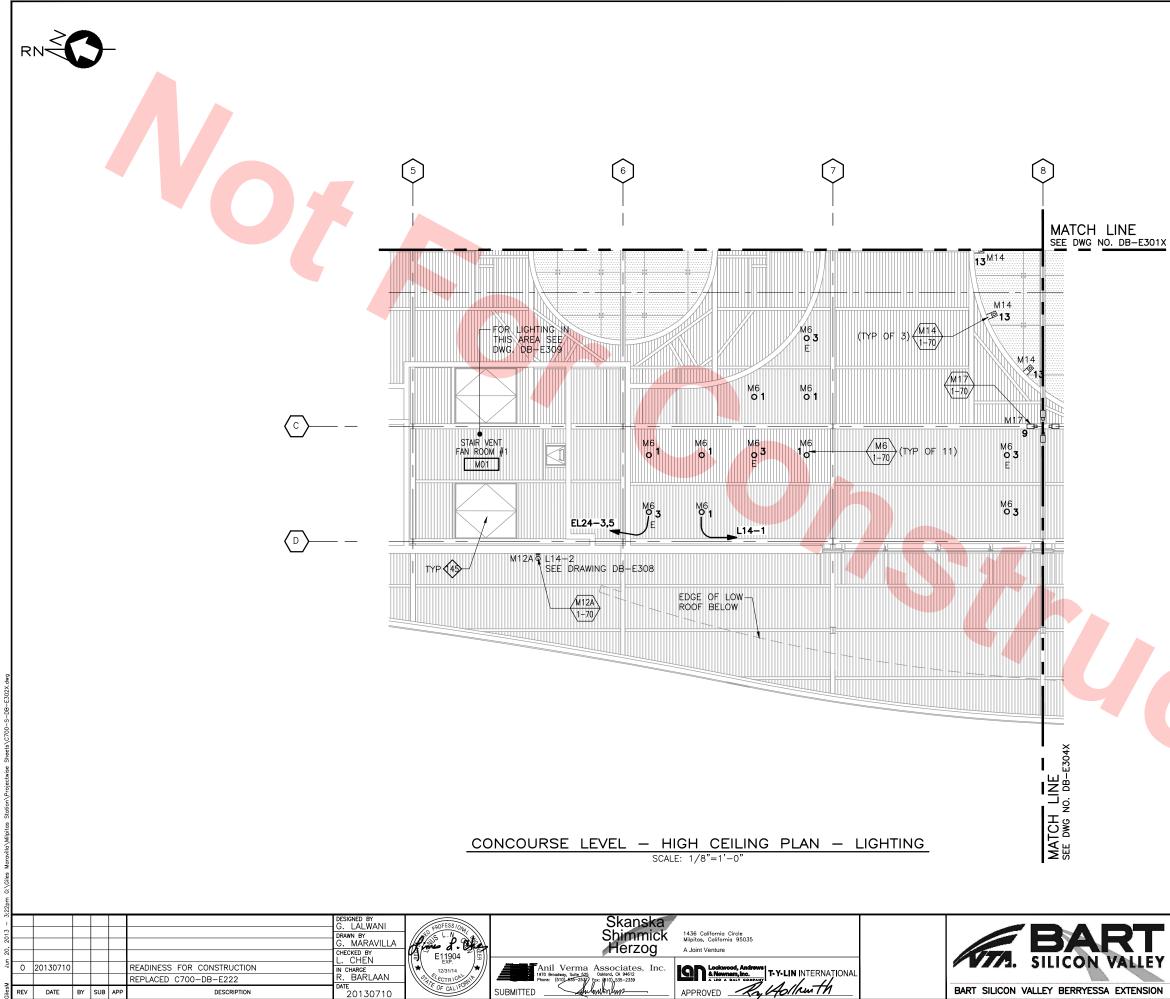




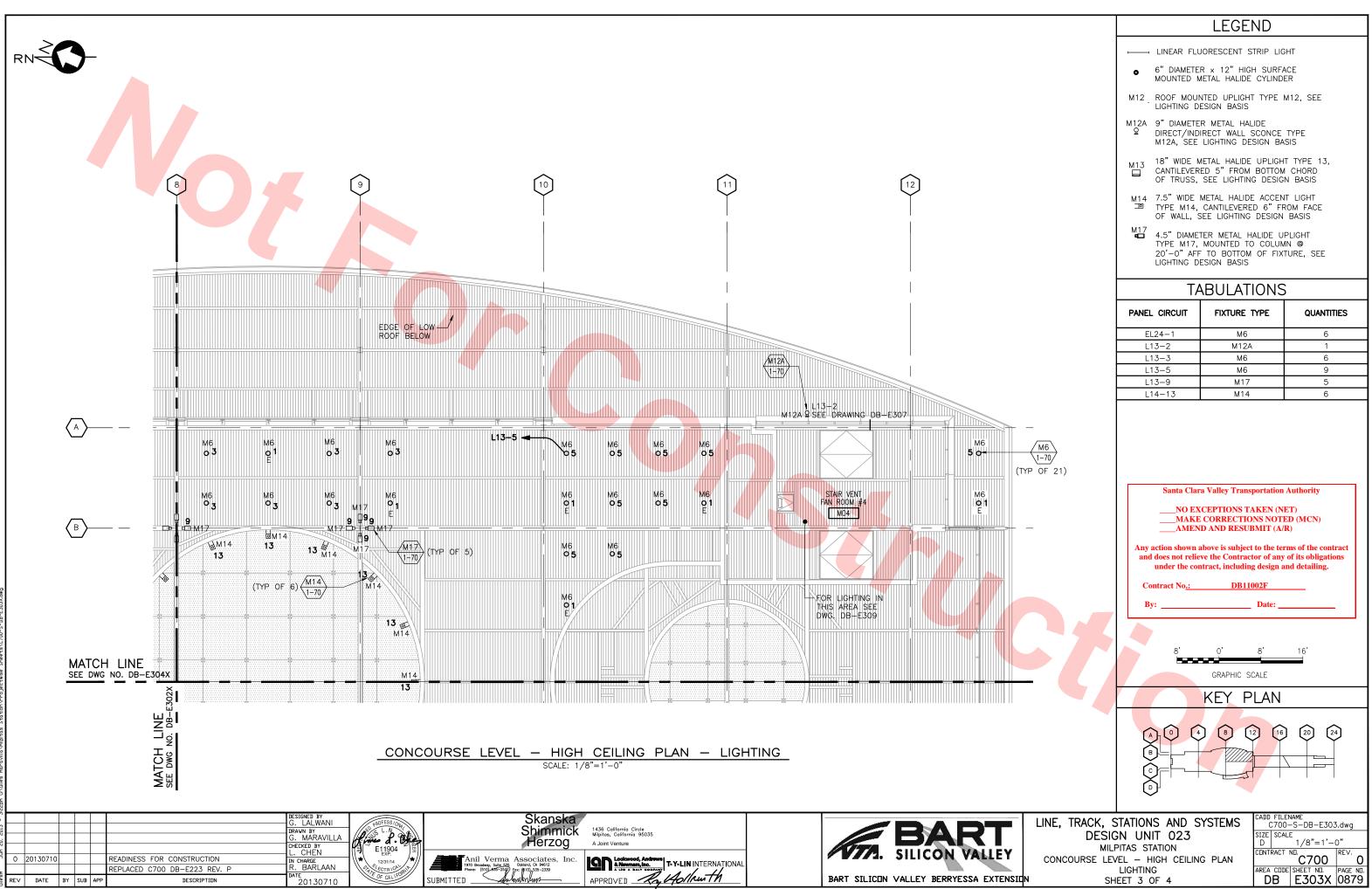


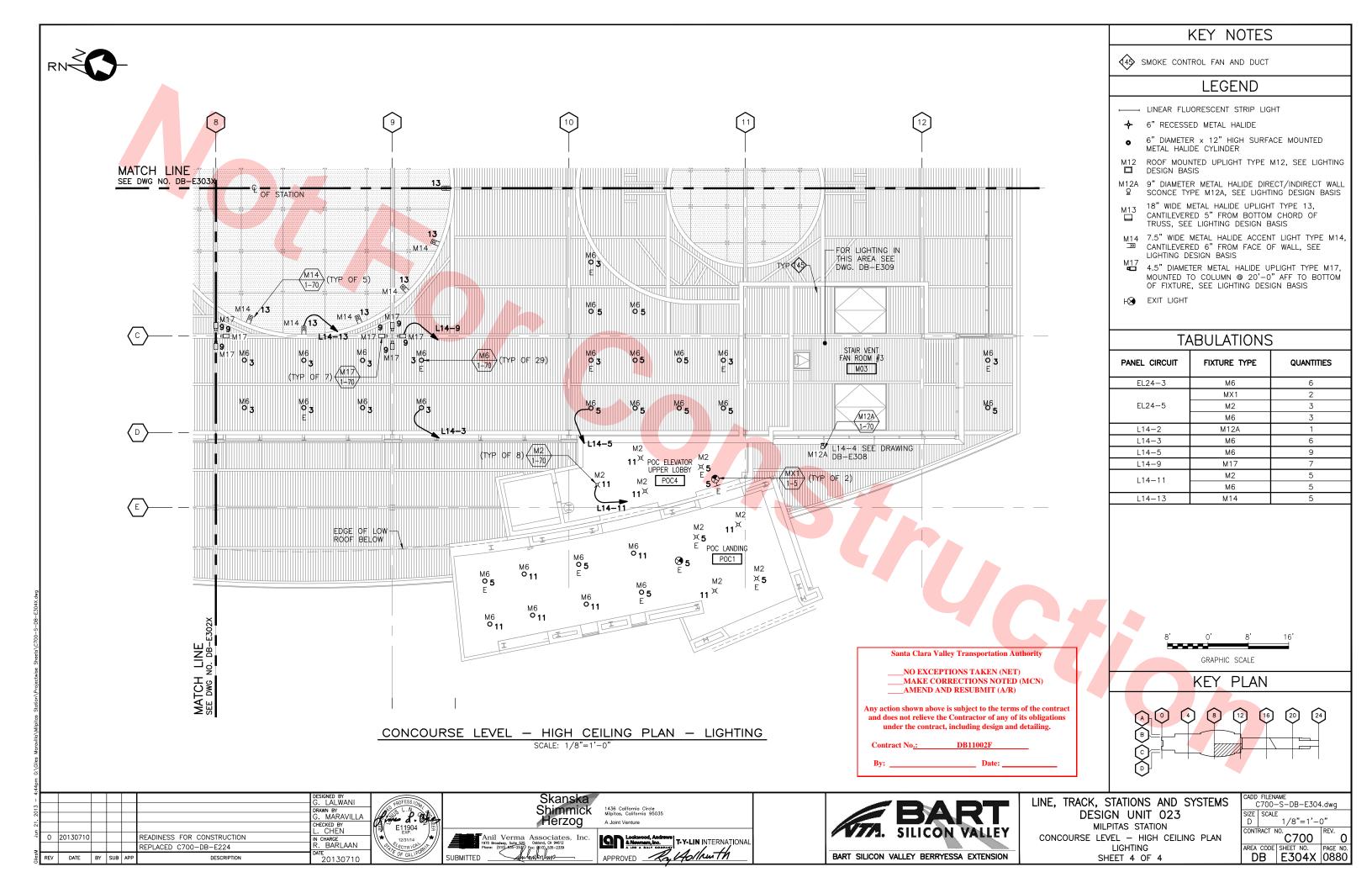


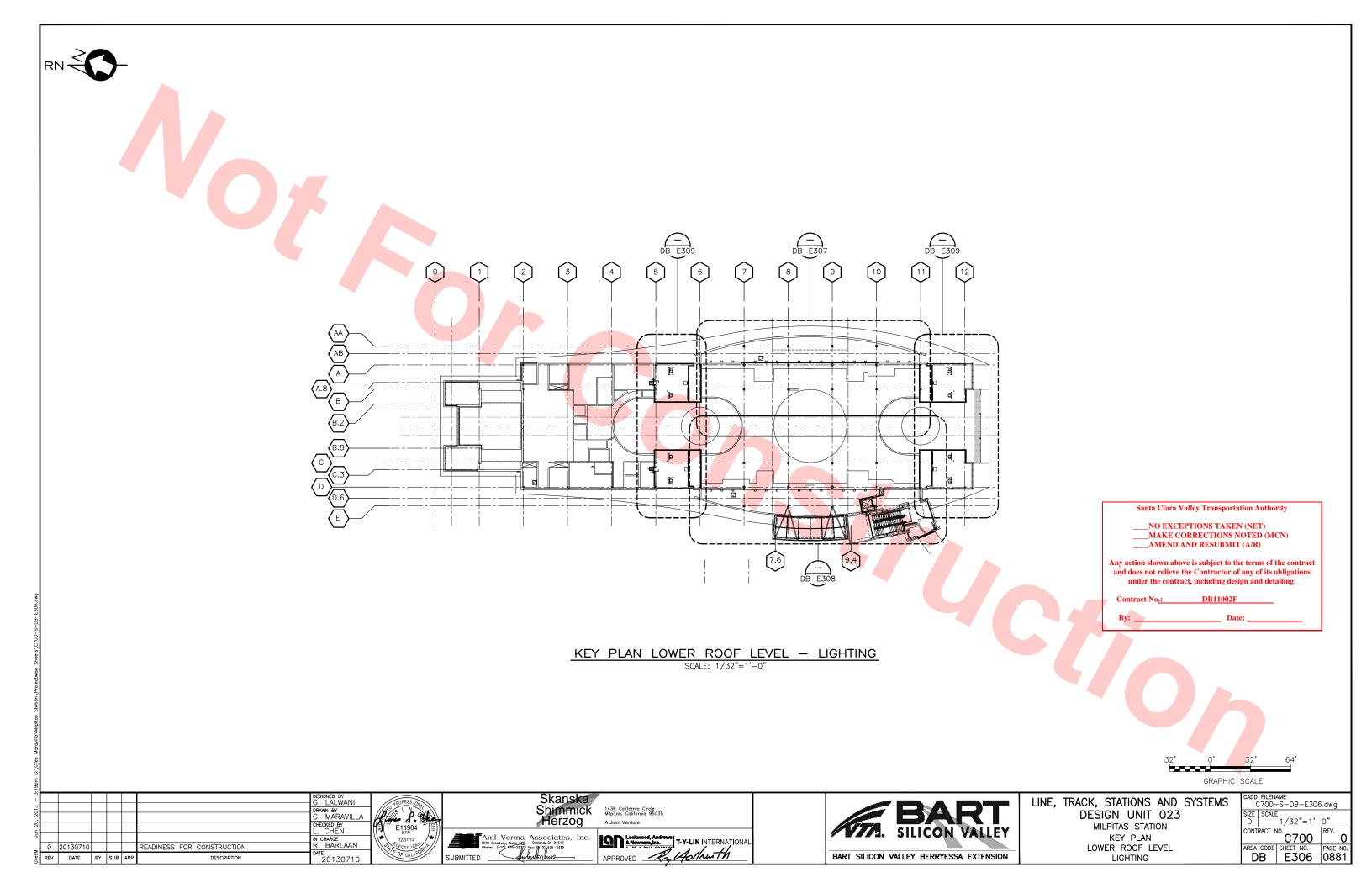
		LEGEND		
		LINEAR FLUORESCENT STRIP LIGHT		
		 6" DIAMETER × 12" HIGH SURFACE 		
		MOUNTED M	IETAL HALIDE CYLIND	
			NTED UPLIGHT TYPE ESIGN BASIS	MIZ, SEE
		M12A 9" DIAMETE & SCONCE TY	R METAL HALIDE DIF PE M12A, SEE LIGH	RECT/INDIRECT WALL TING DESIGN BASIS
			IETAL HALIDE UPLIGH ED 5" FROM BOTTOM	
			ELIGHTING DESIGN E	
		M14 7.5" WIDE METAL HALIDE ACCENT LIGHT TYPE M14, □ CANTILEVERED 6" FROM FACE OF WALL, SEE		
		M17	ESIGN BASIS TER METAL HALIDE L	IPLIGHT TYPE M17
		4.5" DIAMETER METAL HALIDE UPLIGHT TYPE M17, MOUNTED TO COLUMN ◎ 20'-0" AFF TO BOTTOM OF FIXTURE, SEE LIGHTING DESIGN BASIS		
		TA	BULATIONS	S
		PANEL CIRCUIT	FIXTURE TYPE	QUANTITIES
		EL24-1 L13-1	M6 M6	4 6
		L13-2	M6 M12A	1
		L13-3 L13-9	M6 M17	1 3
		L14-13	M14	2
Santa Clara Valley Transportation Authorsports TAKEN (NET) NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (M MAKE CORRECTIONS TAKEN (NET) MAKE CORRECTIONS TAKEN (NET) 		NET) FED (MCN) A/R) erms of the contract ny of its obligations and detailing.		
ľ		TATIONS AND S		D-S-DB-E301X.dwg
,		N UNIT 023 PITAS STATION	SIZE SC D CONTRAC	1/8"=1'-0"
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	SH	EET 1 OF 4	DB	E301X 0877

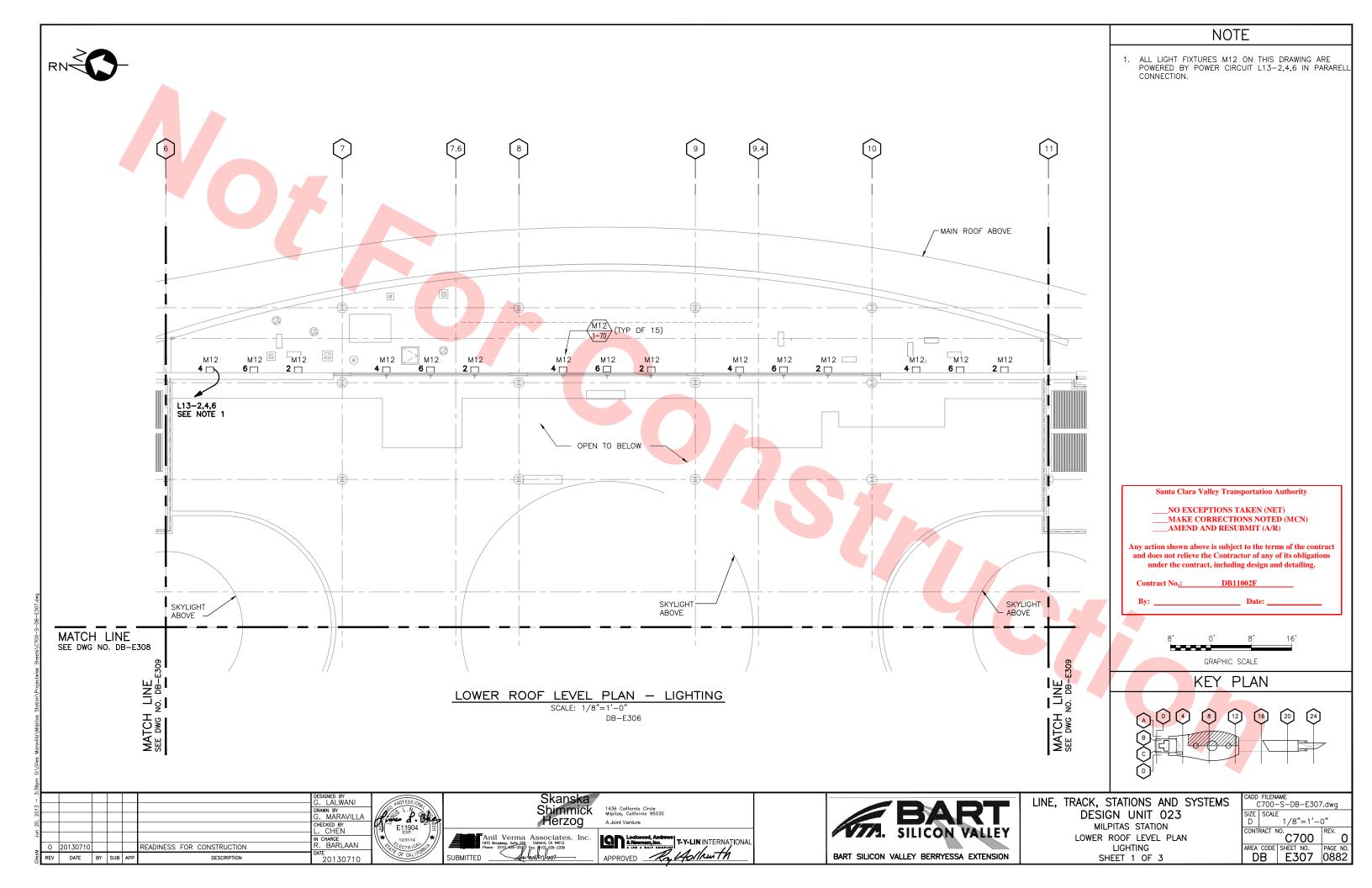


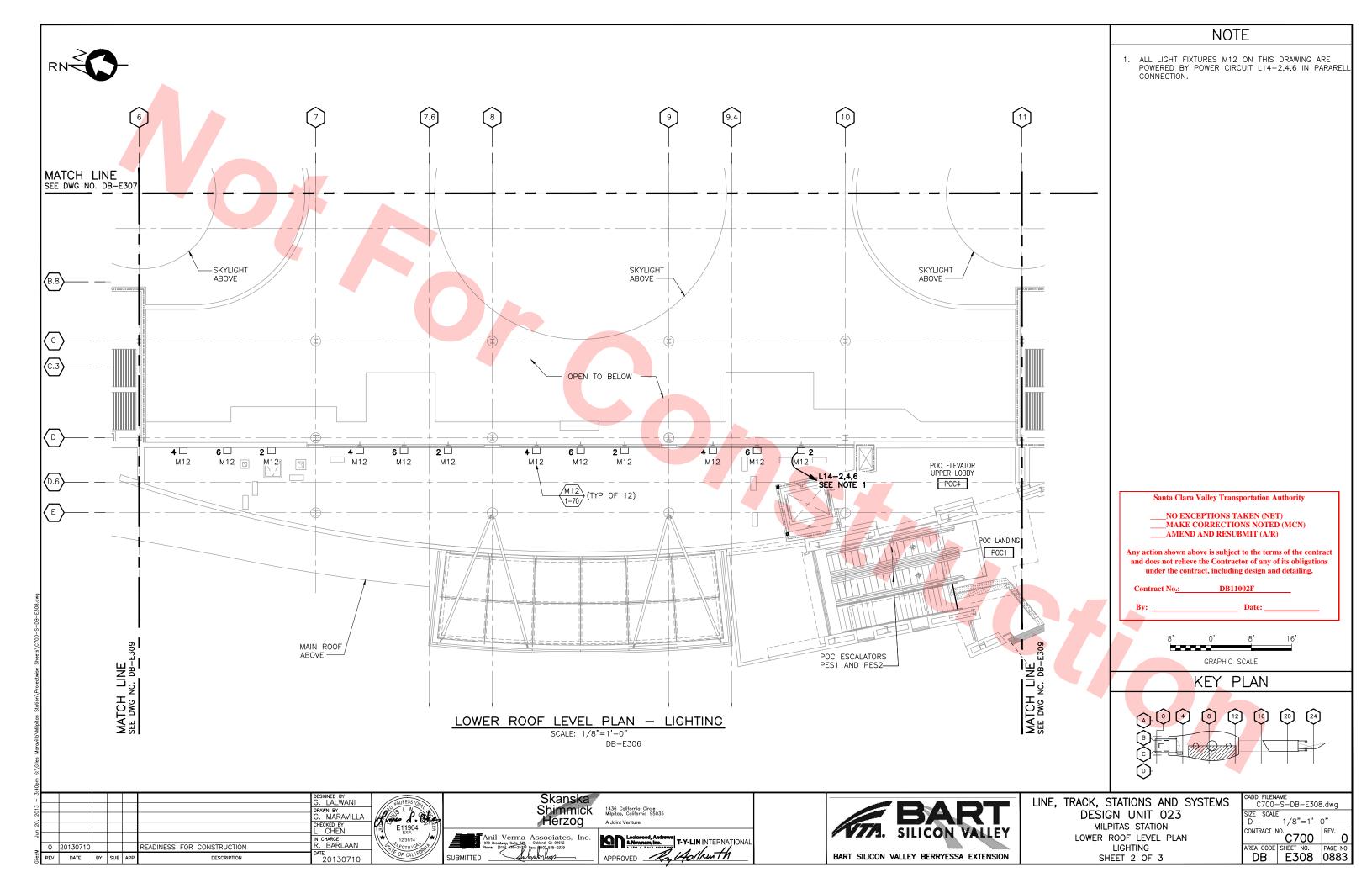
KEY NOTES (4) SMOKE CONTROL FAN AND DUCT LEGEND LINEAR FLUORESCENT STRIP LIGHT 6" DIAMETER x 12" HIGH SURFACE MOUNTED 0 METAL HALIDE CYLINDER M12 ROOF MOUNTED UPLIGHT TYPE M12, SEE LIGHTING DESIGN BASIS M12A 9" DIAMETER METAL HALIDE DIRECT/INDIRECT WALL ß SCONCE TYPE M12A, SEE LIGHTING DESIGN BASIS 18" WIDE METAL HALIDE UPLIGHT TYPE 13, CANTILEVERED 5" FROM BOTTOM CHORD OF TRUSS, SEE LIGHTING DESIGN BASIS M13 M14 7.5" WIDE METAL HALIDE ACCENT LIGHT TYPE M14, □ CANTILEVERED 6" FROM FACE OF WALL, SEE LIGHTING DESIGN BASIS M17 4.5" DIAMETER METAL HALIDE UPLIGHT TYPE M17, MOUNTED TO COLUMN @ 20'-0" AFF TO BOTTOM OF FIXTURE, SEE LIGHTING DESIGN BASIS **TABULATIONS** QUANTITIES PANEL CIRCUIT FIXTURE TYPE EL24-3 М6 4 L14-1 М6 6 L14-2 M12A 1 L14-3 M6 1 L14-9 M17 3 L14-13 M14 3 Santa Clara Valley Transportation Authority NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R) Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing **DB11002F** GRAPHIC SCALE KEY PLAN \bigcirc (4) (8) 12 (16) 20 24 B \bigcirc CTOO-S-DB-E302.dwg LINE, TRACK, STATIONS AND SYSTEMS $\frac{|SIZE| SCALE}{|S|} \frac{1}{8"=1'-0"}$ DESIGN UNIT 023 MILPITAS STATION CONTRACT NO. REV. [^]C700 CONCOURSE LEVEL - HIGH CEILING PLAN ΄0 LIGHTING REA CODE SHEET NO. DB E302X 0878 SHEET 2 OF 4

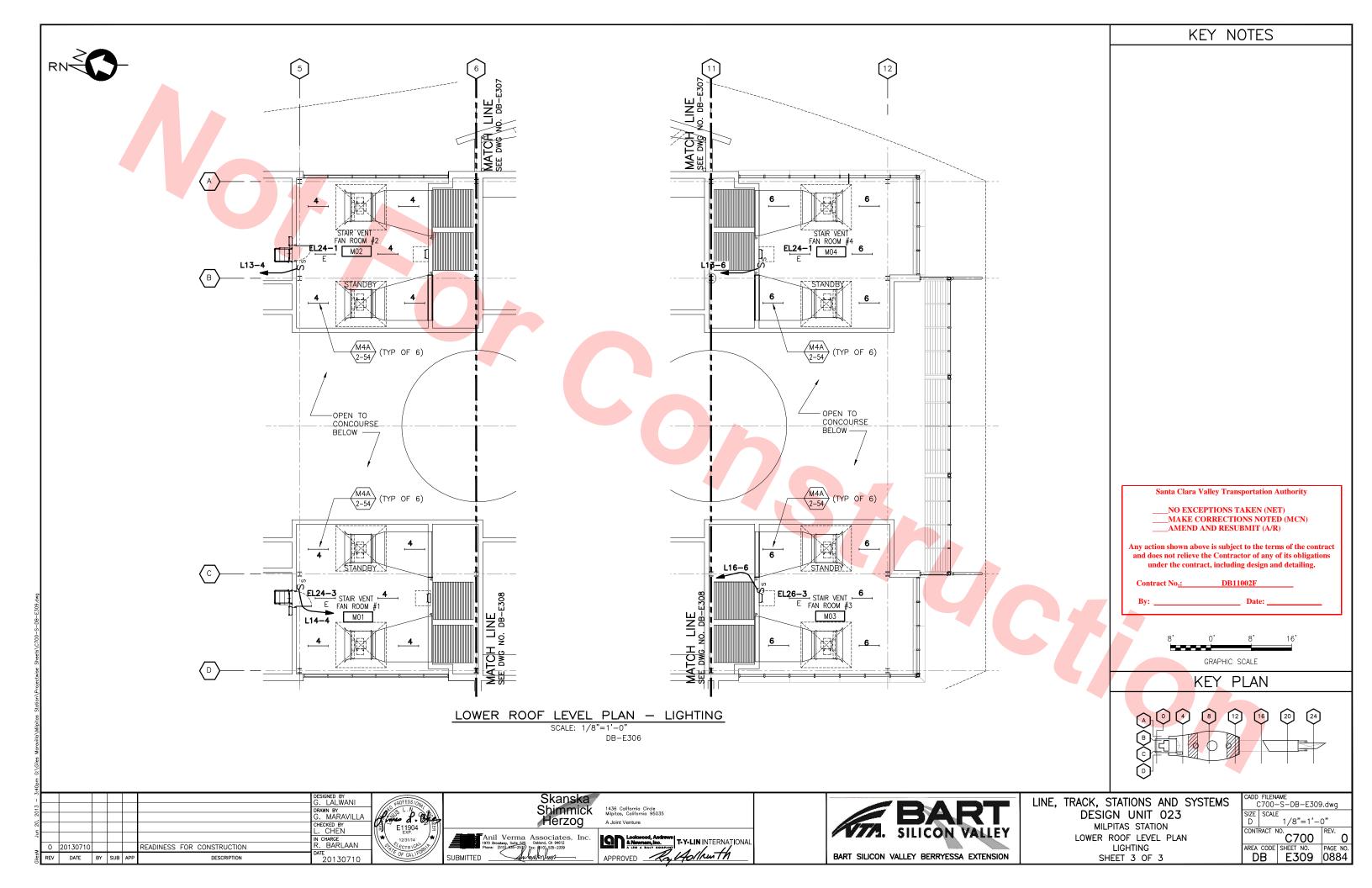


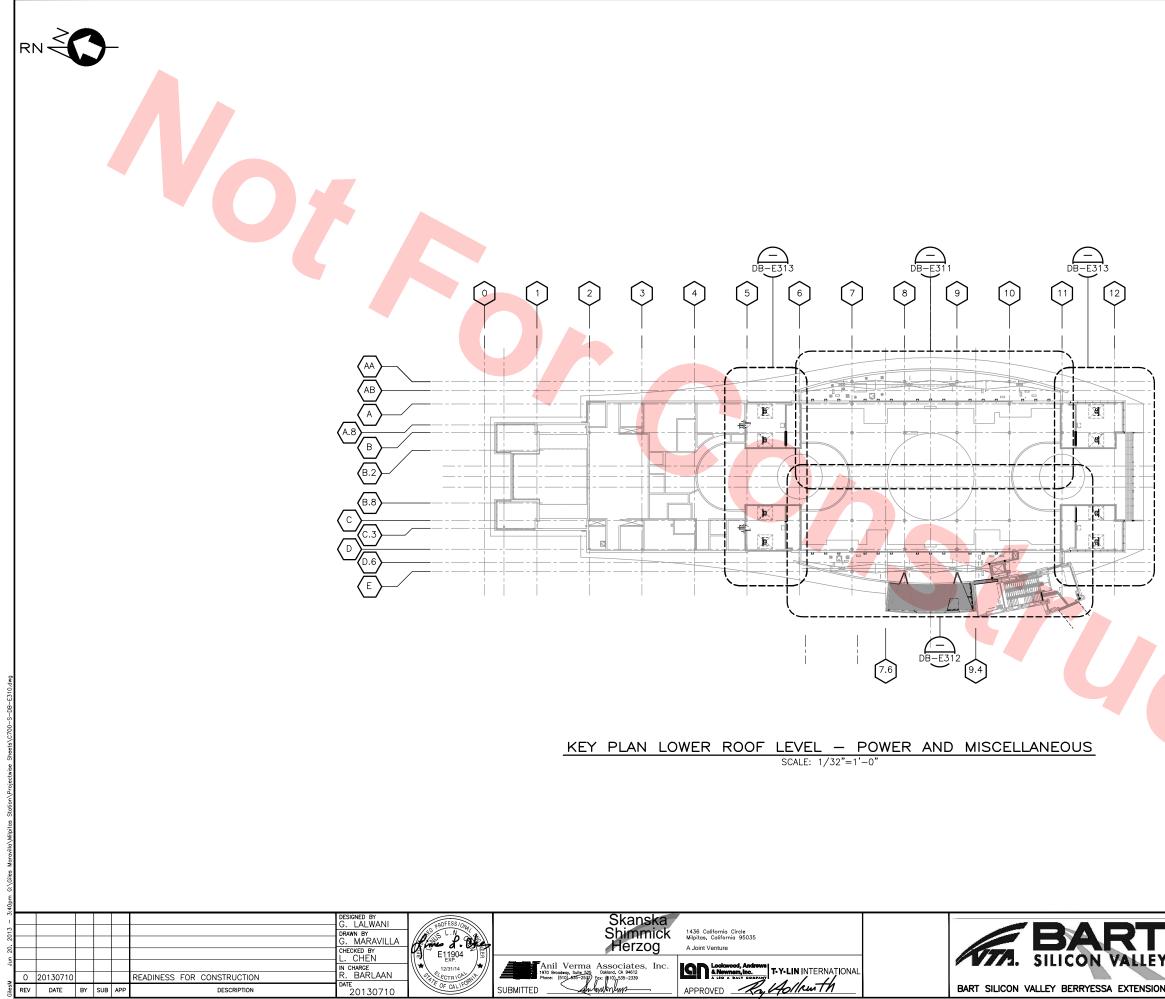




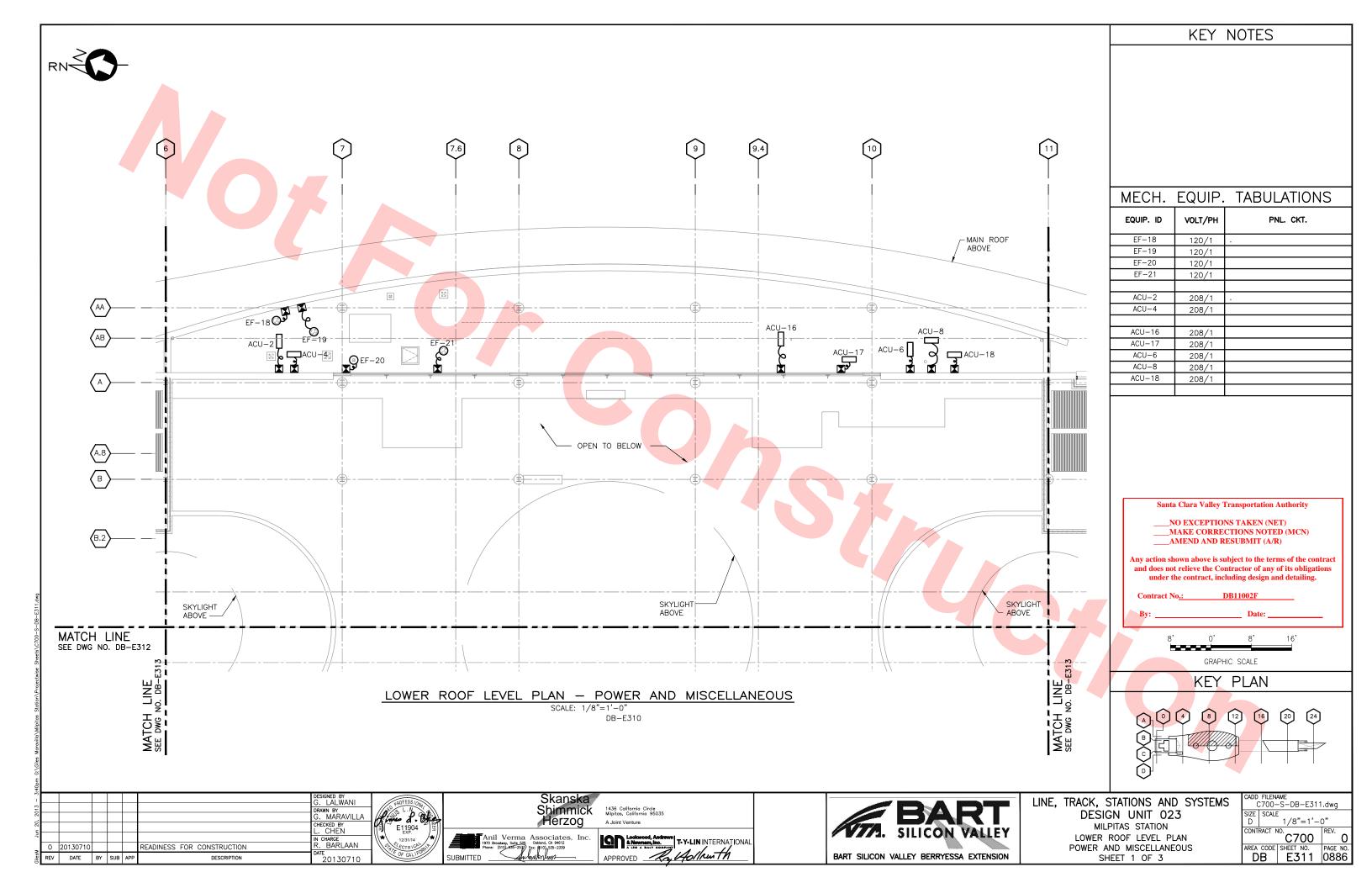


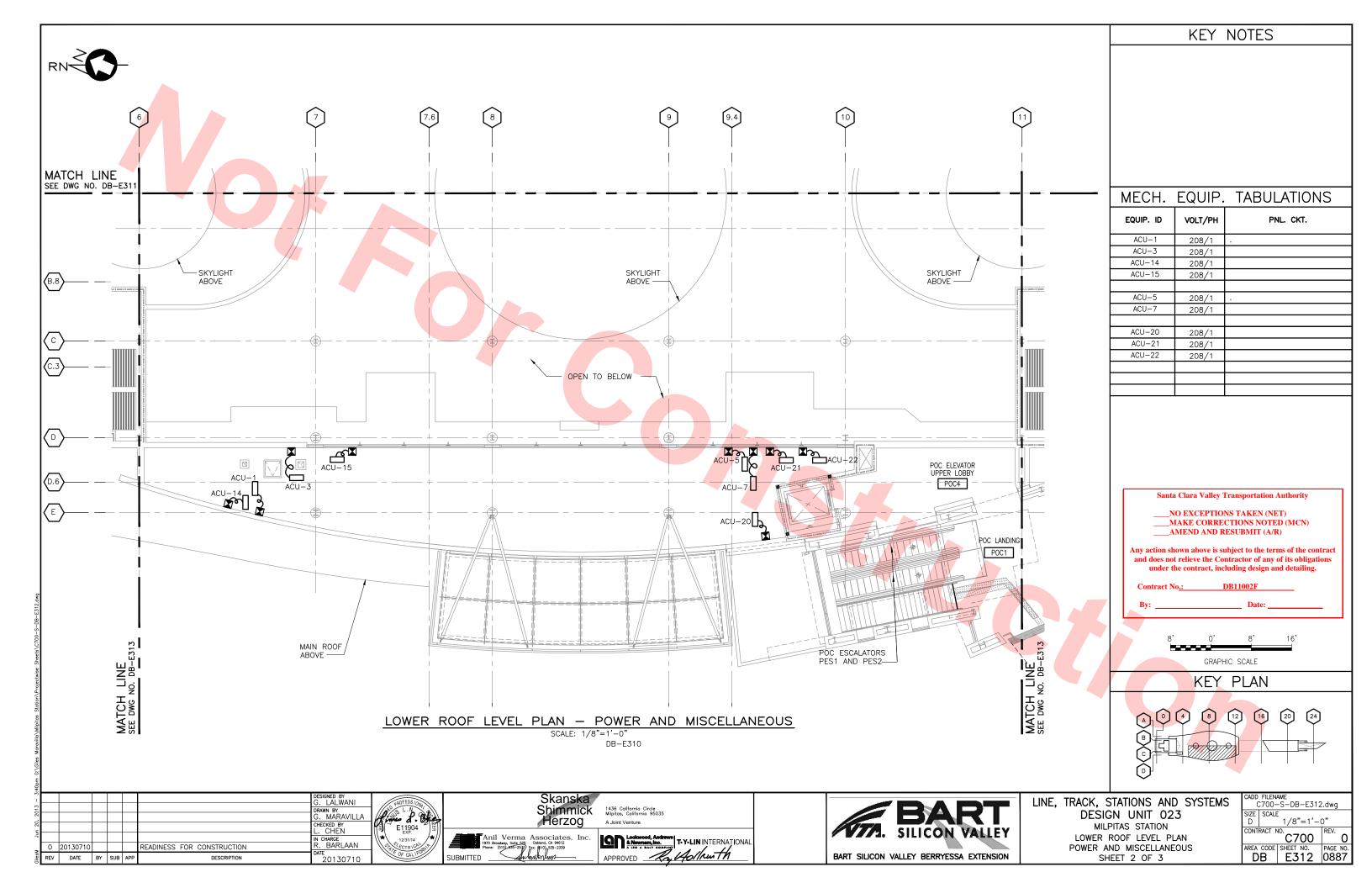


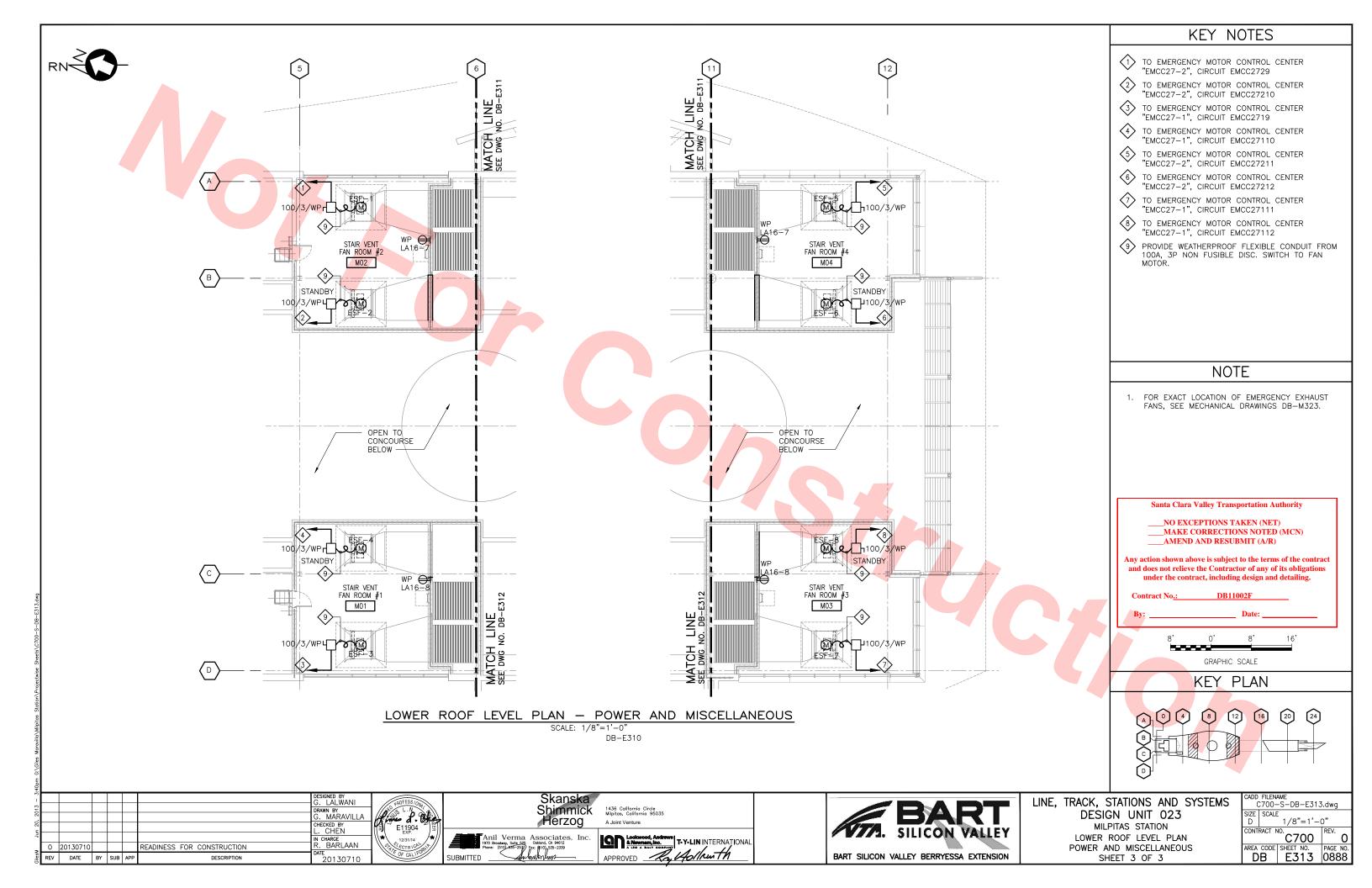


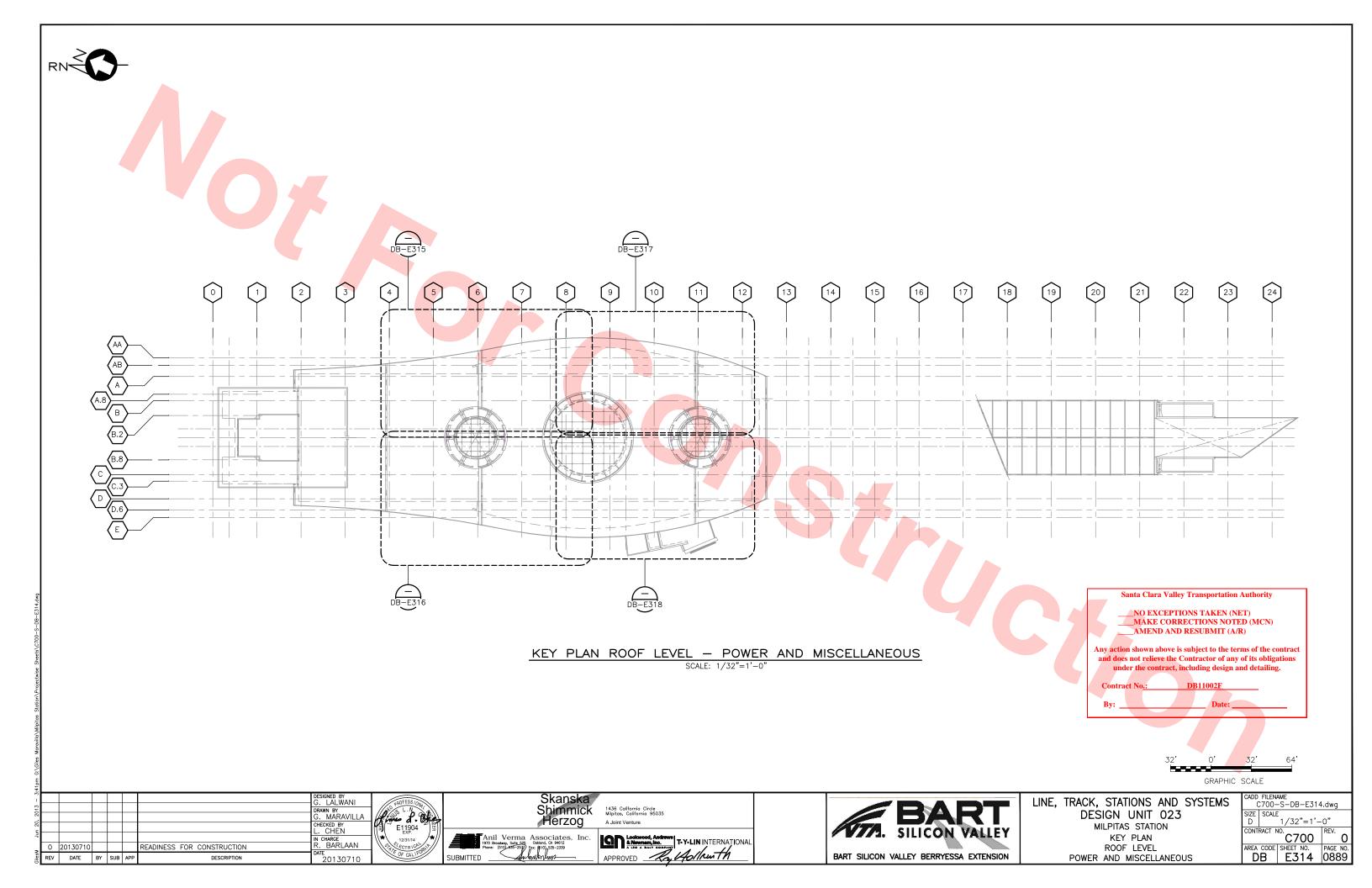


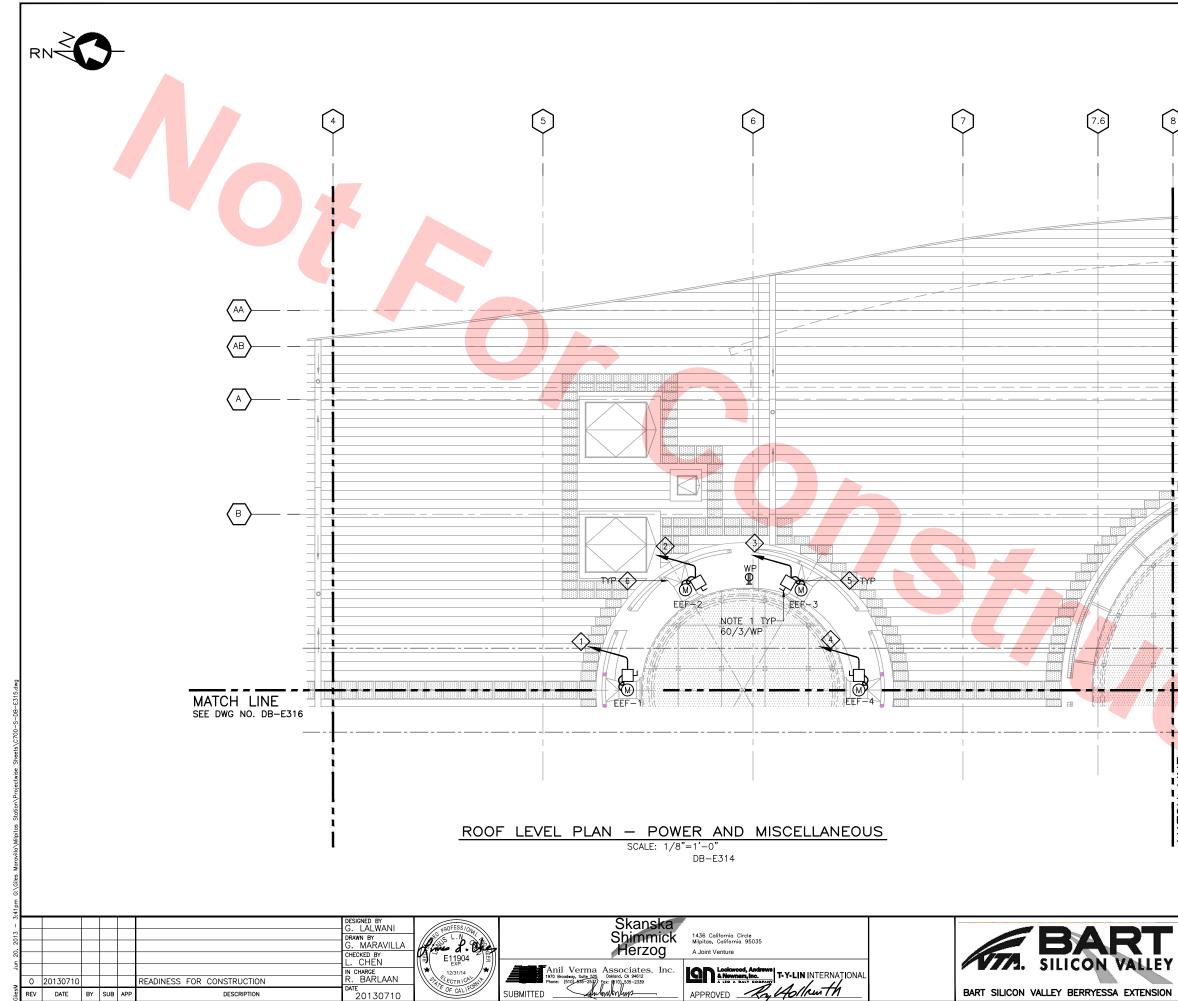
		Santa Clara Valley Transpo	ortation Authority			
	Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing.					
	Contract No <u>.: DB11002F</u>					
		By:	Date:			
		32' O'	32' 64'			
l		STATIONS AND SYSTEMS	S CADD FILENAME C700-S-DB-E310.dwg SIZE SCALE			
1		ILPITAS STATION KEY PLAN	D 1/32"=1'-0" CONTRACT NO. REV.			
		WER ROOF LEVEL AND MISCELLANEOUS	AREA CODE SHEET NO. PAGE NO. DB E310 0885			
N	I POWER					



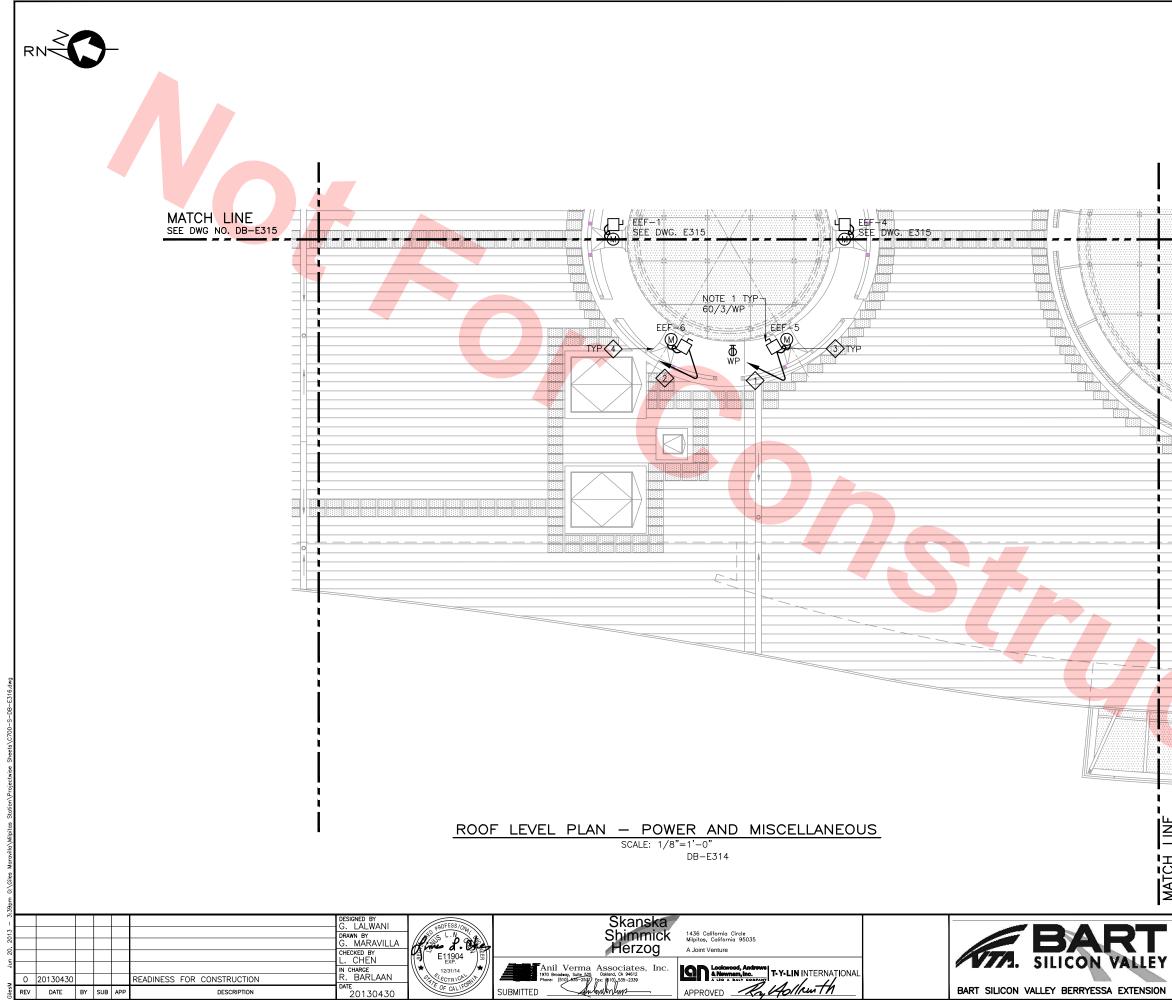




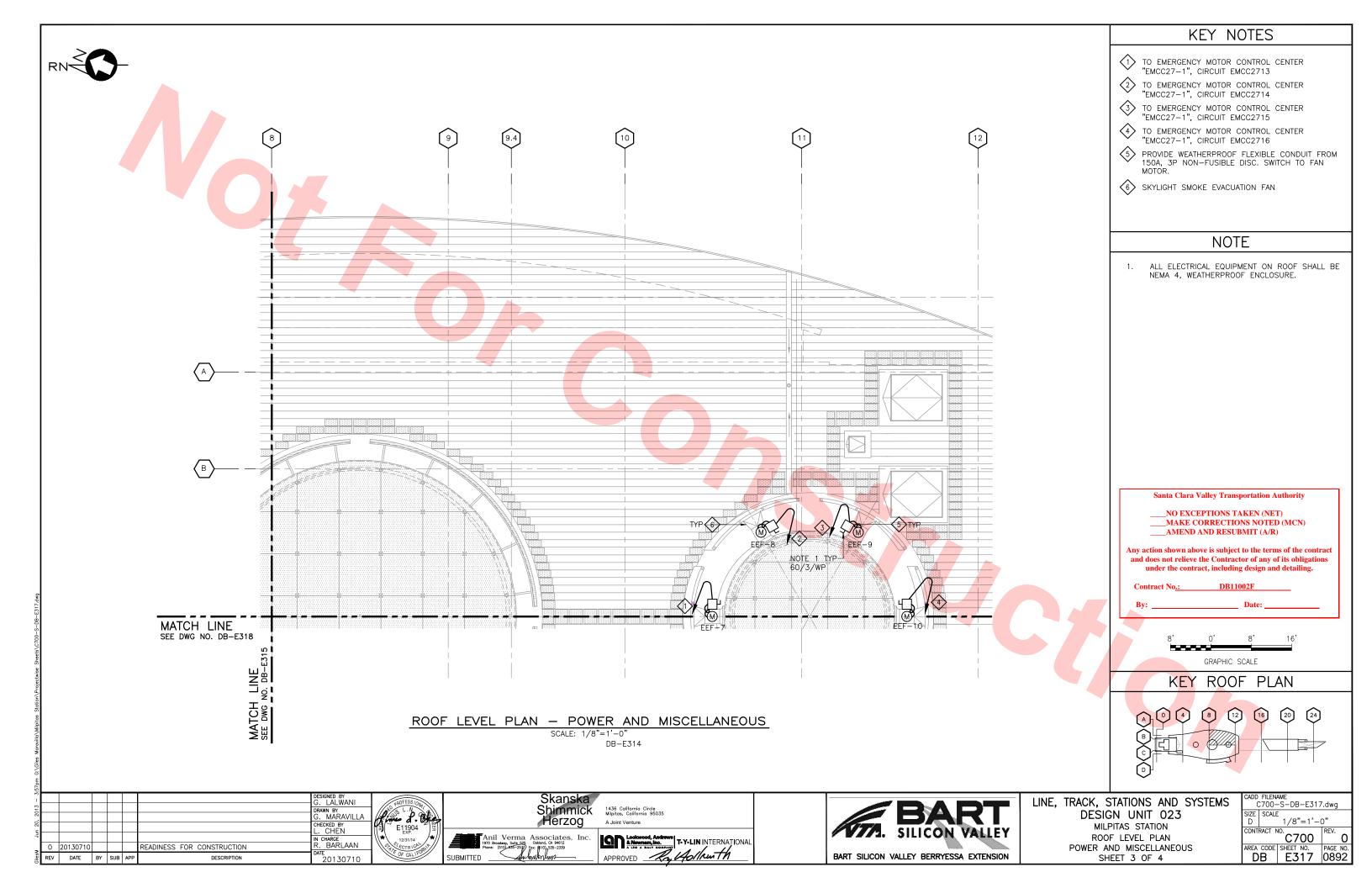


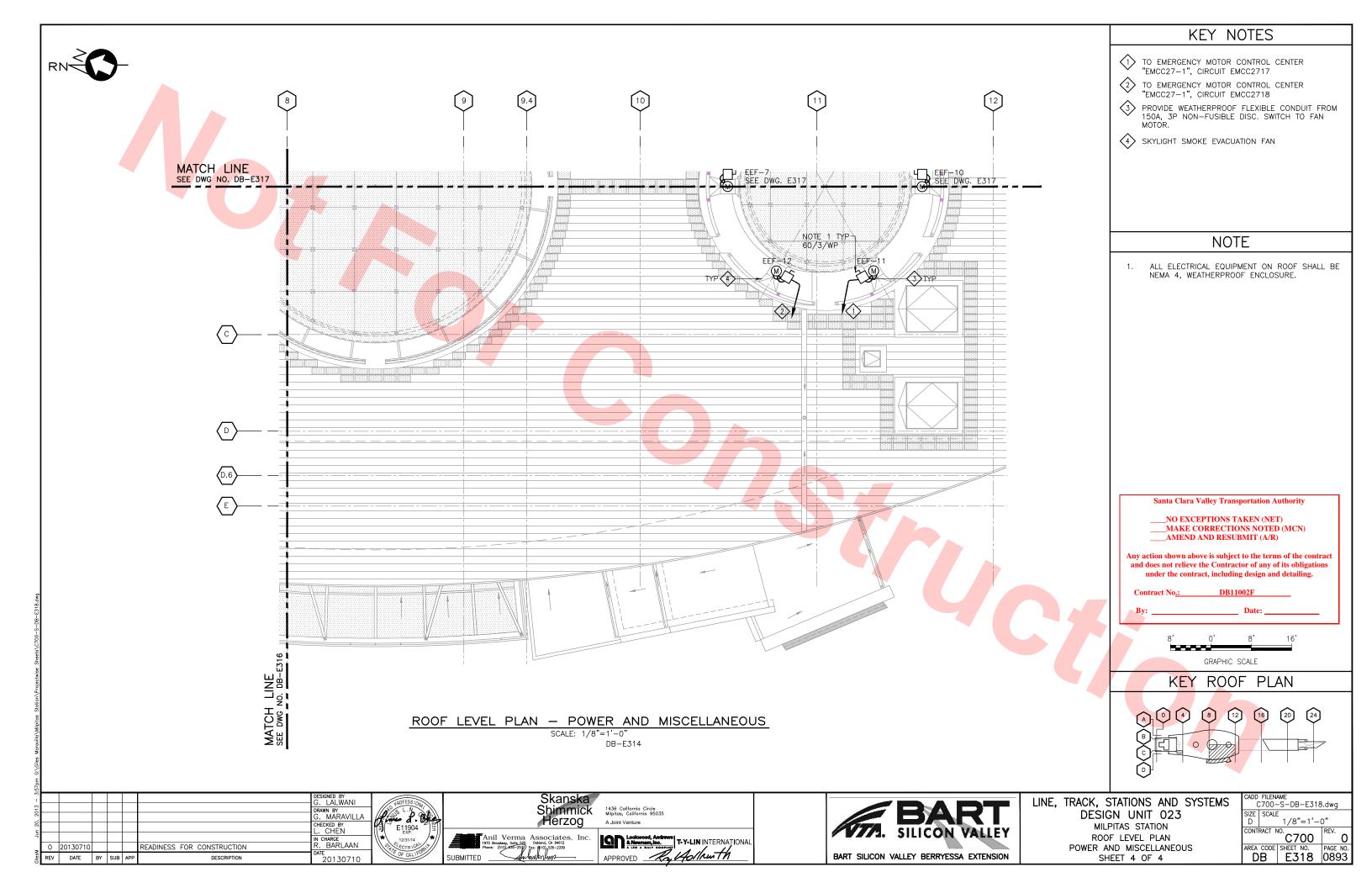


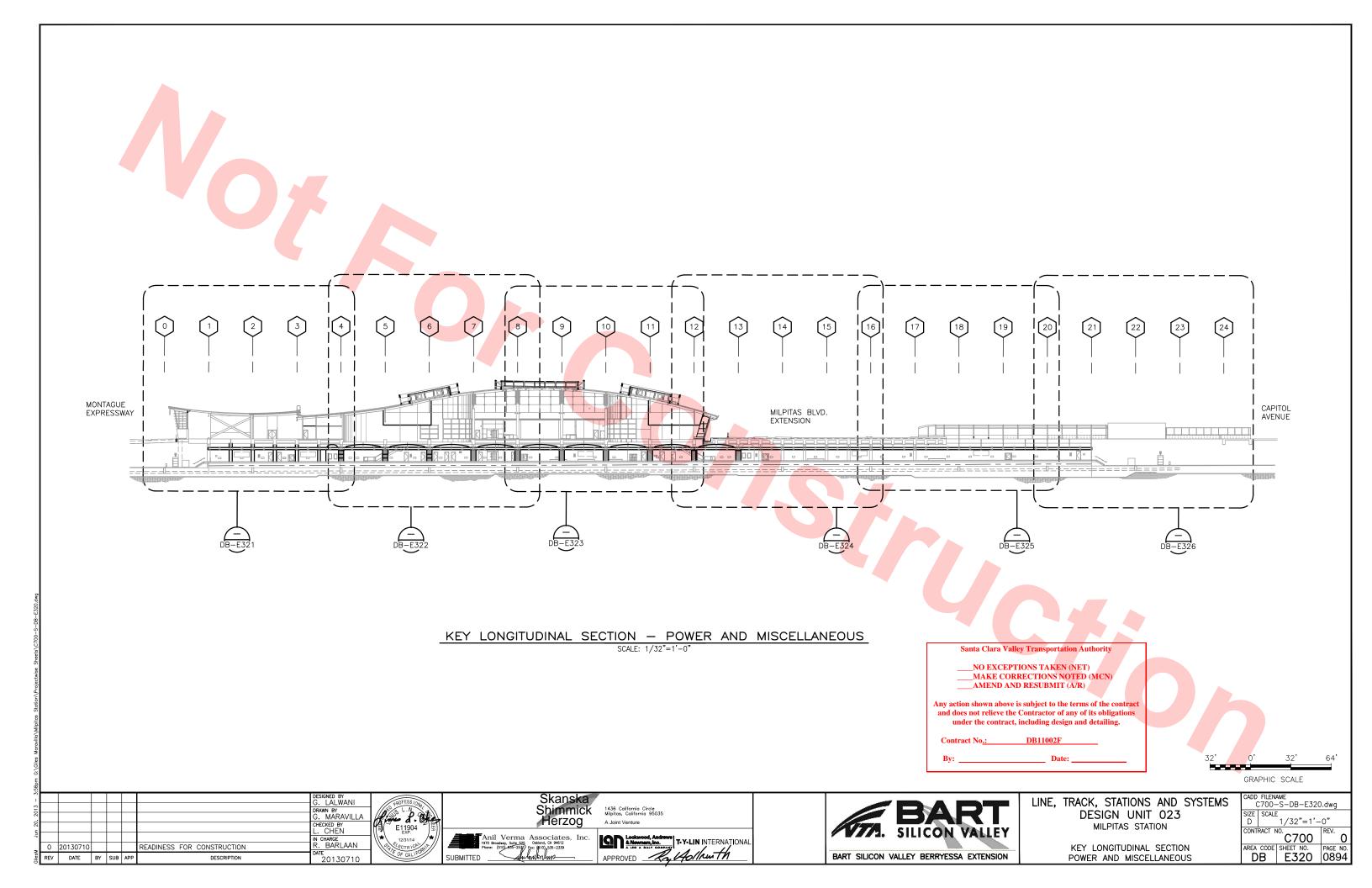
	KEY NOTES		
	TO EMERGENCY MOTOR CONTROL CENTER		
	 "EMCC27-2", CIRCUIT EMCC2723 TO EMERGENCY MOTOR CONTROL CENTER "EMCC27-2", CIRCUIT EMCC2724 		
~	 "EMCC27-2", CIRCUIT EMCC2724 TO EMERGENCY MOTOR CONTROL CENTER "EMCC27-2", CIRCUIT EMCC2725 		
8	TO EMERGENCY MOTOR CONTROL CENTER "EMCC27-2", CIRCUIT EMCC2726		
	Image: Second control of the second		
	MOTOR.		
	NOTE		
	1. ALL ELECTRICAL EQUIPMENT ON ROOF SHALL BE NEMA 4, WEATHERPROOF ENCLOSURE.		
- 			
ſ.	Santo Class Valley Transportation Authority		
	Santa Clara Valley Transportation AuthorityNO EXCEPTIONS TAKEN (NET)		
	MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R)		
	Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing.		
	Contract No <u>.: DB11002F</u>		
	By: Date:		
	8' 0' 8' 16'		
MATCH LINE SEE DWG NO. DB-E31	KEY ROOF PLAN		
SE M			
	STATIONS AND SYSTEMS CADD FILENAME C700-S-DB-E315.dwg		
DESI MIL	GN UNIT 023 SIZE SCALE D 1/8"=1'-0" CONTRACT NO. IREV.		
POWER A	DF LEVEL PLAN C700 0 ND MISCELLANEOUS AREA CODE SHEET NO. PAGE NO.		
'' I St	HEET 1 OF 4 DB E315 0890		

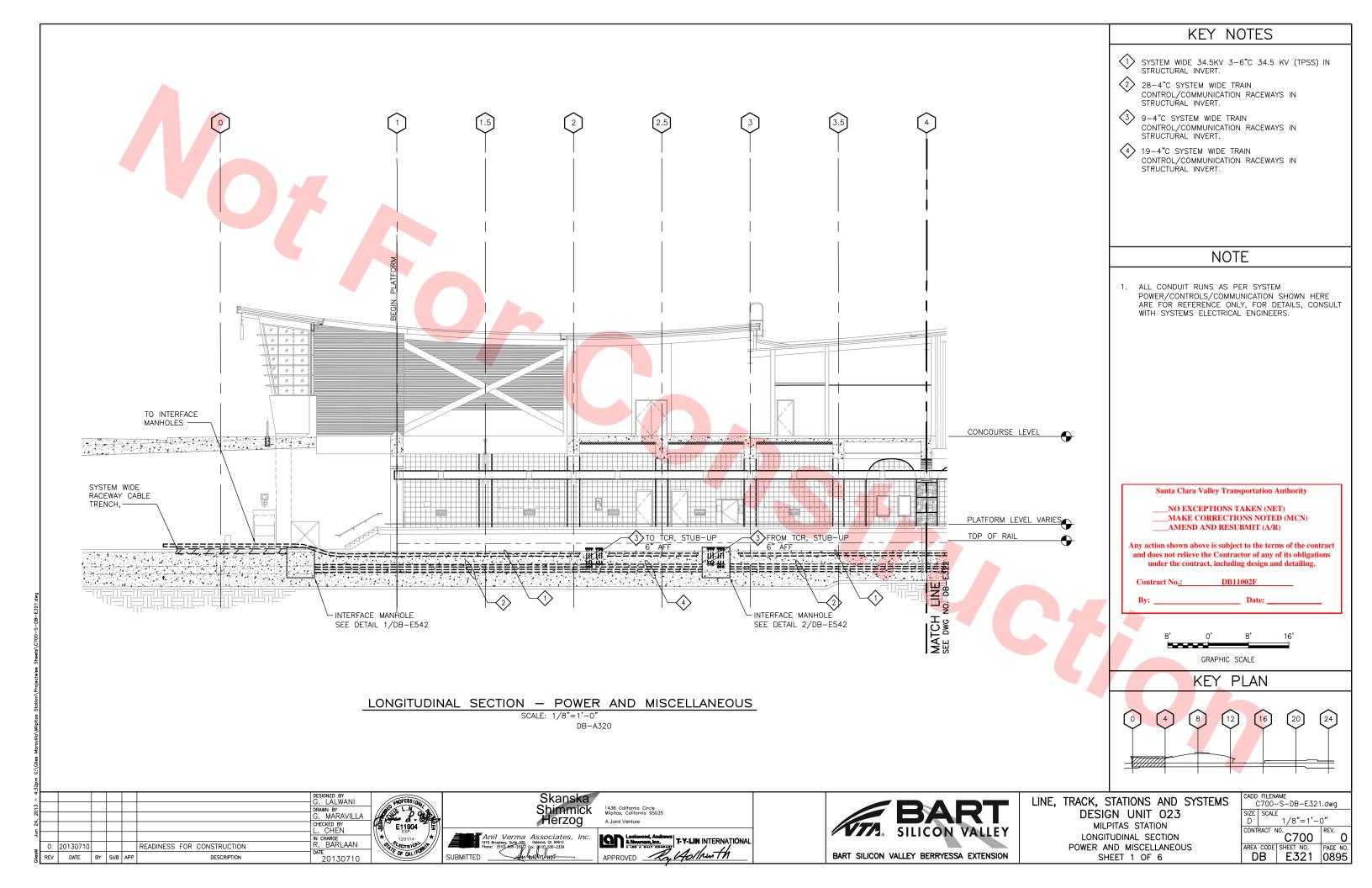


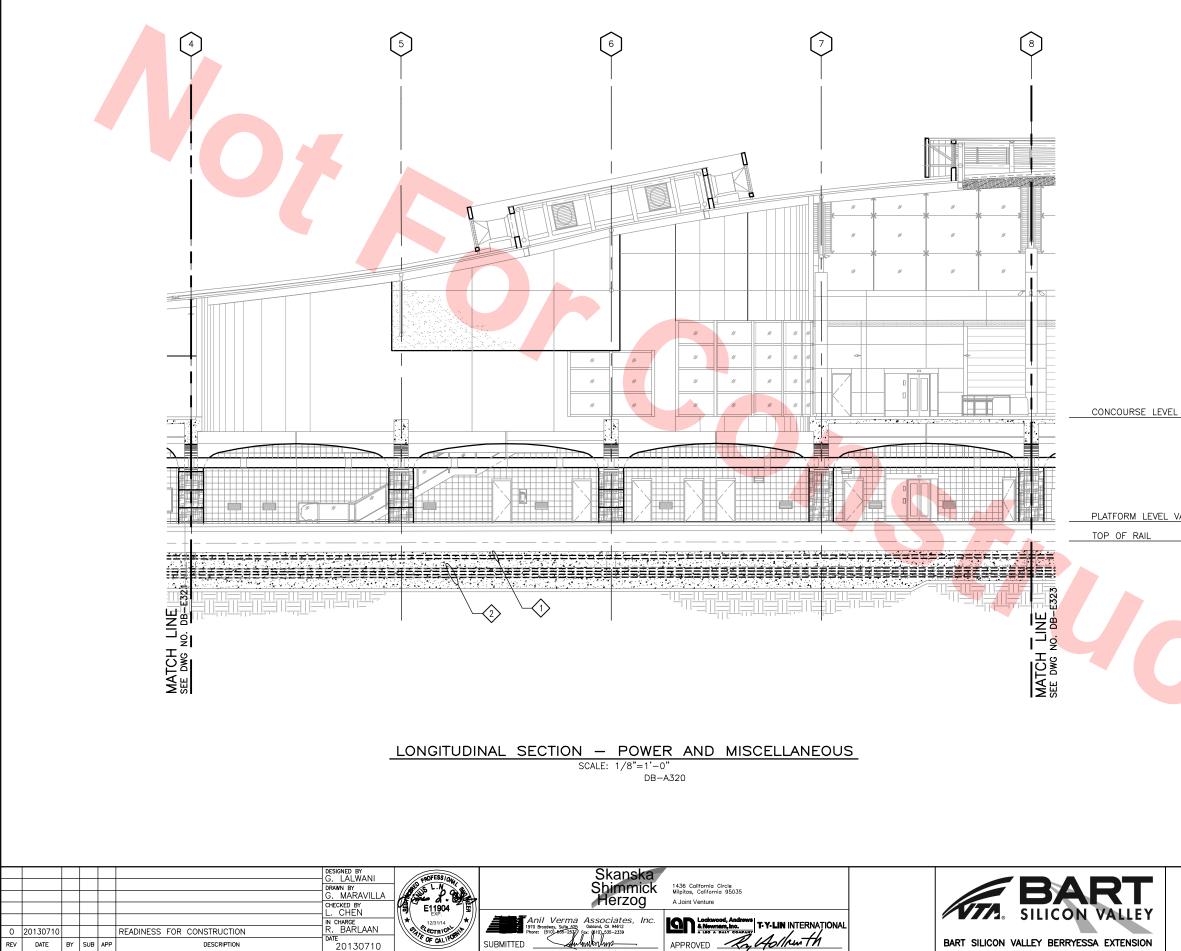
	1	
	KEY NOTES	
	TO EMERGENCY MOTOR CONTROL CENTER	
	 "EMCC27-2", CIRCUIT EMCC2727 TO EMERGENCY MOTOR CONTROL CENTER 	
	 "EMCC27-2", CIRCUIT EMCC2728 PROVIDE WEATHERPROOF FLEXIBLE CONDUIT FROM 	
	150A, 3P NON-FUSIBLE DISC. SWITCH TO FAN MOTOR.	
	(4) SKYLIGHT SMOKE EVACUATION FAN	
	NOTE	
	1. ALL ELECTRICAL EQUIPMENT ON ROOF SHALL BE	
	NEMA 4, WEATHERPROOF ENCLOSURE.	
	Santa Clara Valley Transportation Authority	
	NO EXCEPTIONS TAKEN (NET)MAKE CORRECTIONS NOTED (MCN)AMEND AND RESUBMIT (A/R)	
	Any action shown above is subject to the terms of the contract	
	and does not relieve the Contractor of any of its obligations under the contract, including design and detailing.	
_	Contract No.: DB11002F	
	By: Date:	
	8' 0' 8' 16'	
	GRAPHIC SCALE	
00	KEY ROOF PLAN	
ЕС 1 2 2 2 2 2		
ž Lo		
MAICH LINE SEE DWG NO. DB-E318		
2 03		
	STATIONS AND SYSTEMS CADD FILENAME C700-S-DB-E316.dwg SN UNIT 023	
MIL		
POWER A	DF LEVEL PLAN C700 0 ND MISCELLANEOUS AREA CODE SHEET NO. PAGE NO.	
l Sł	HEET 2 OF 4 DB E316 0891	



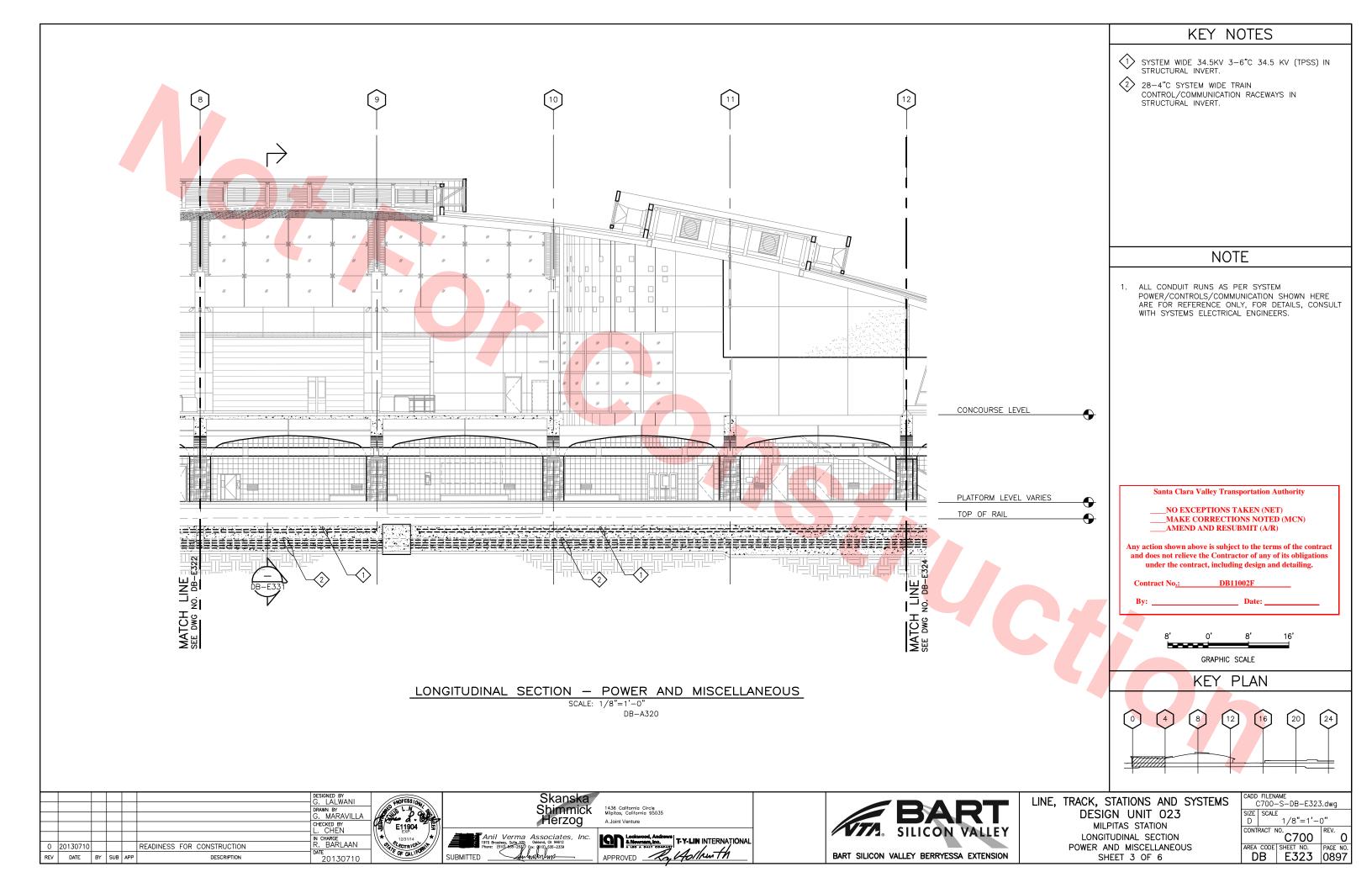


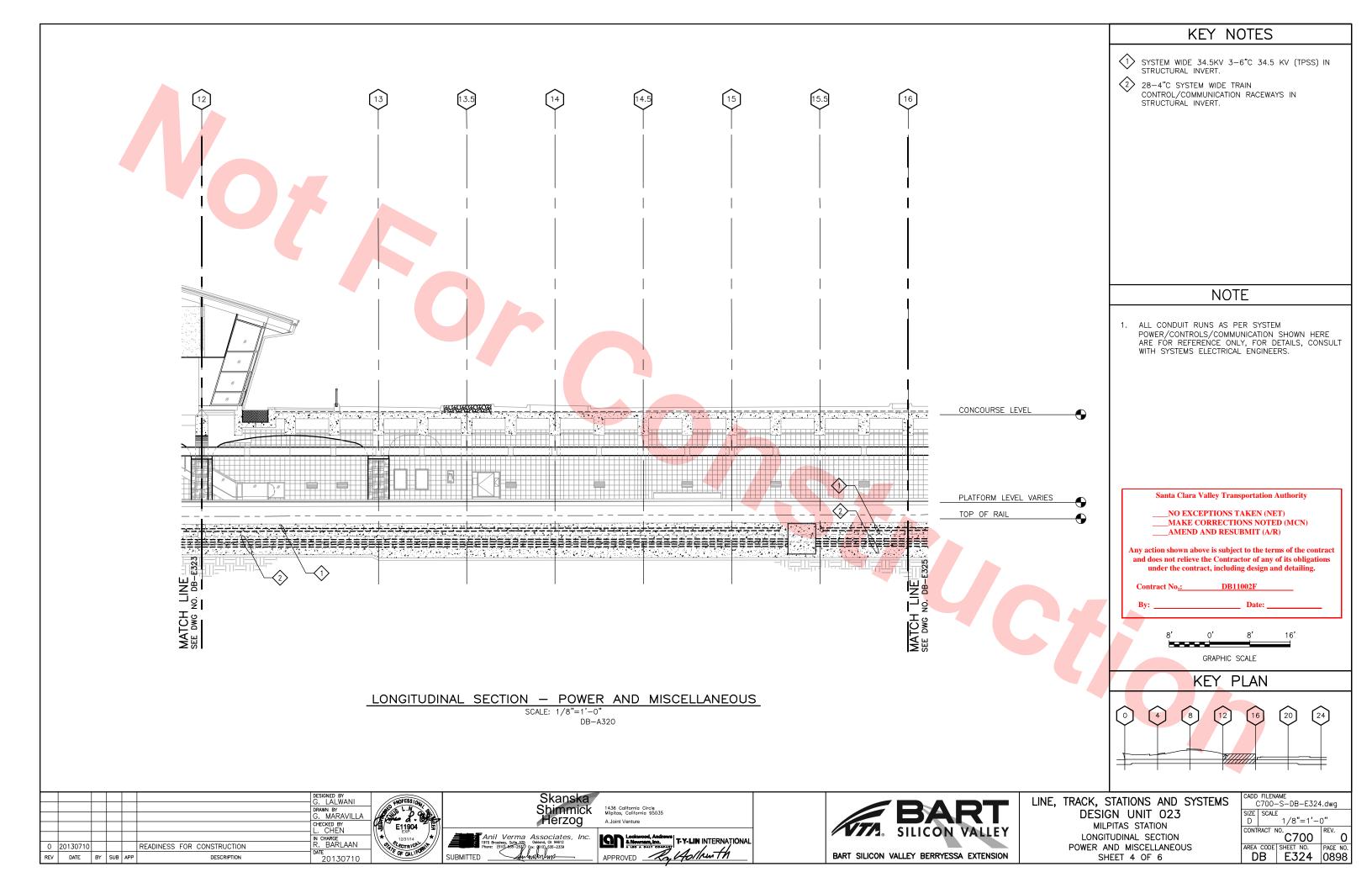


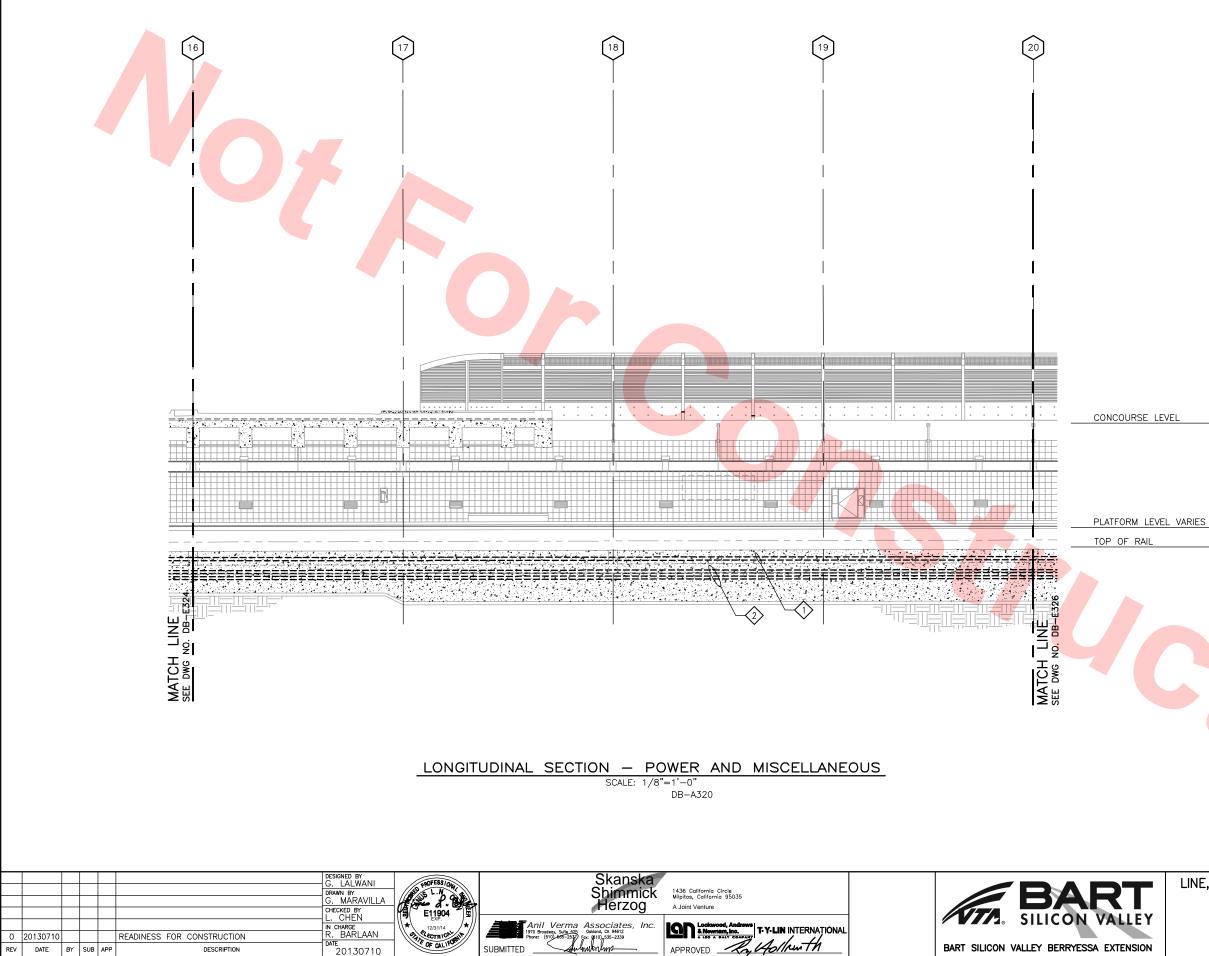




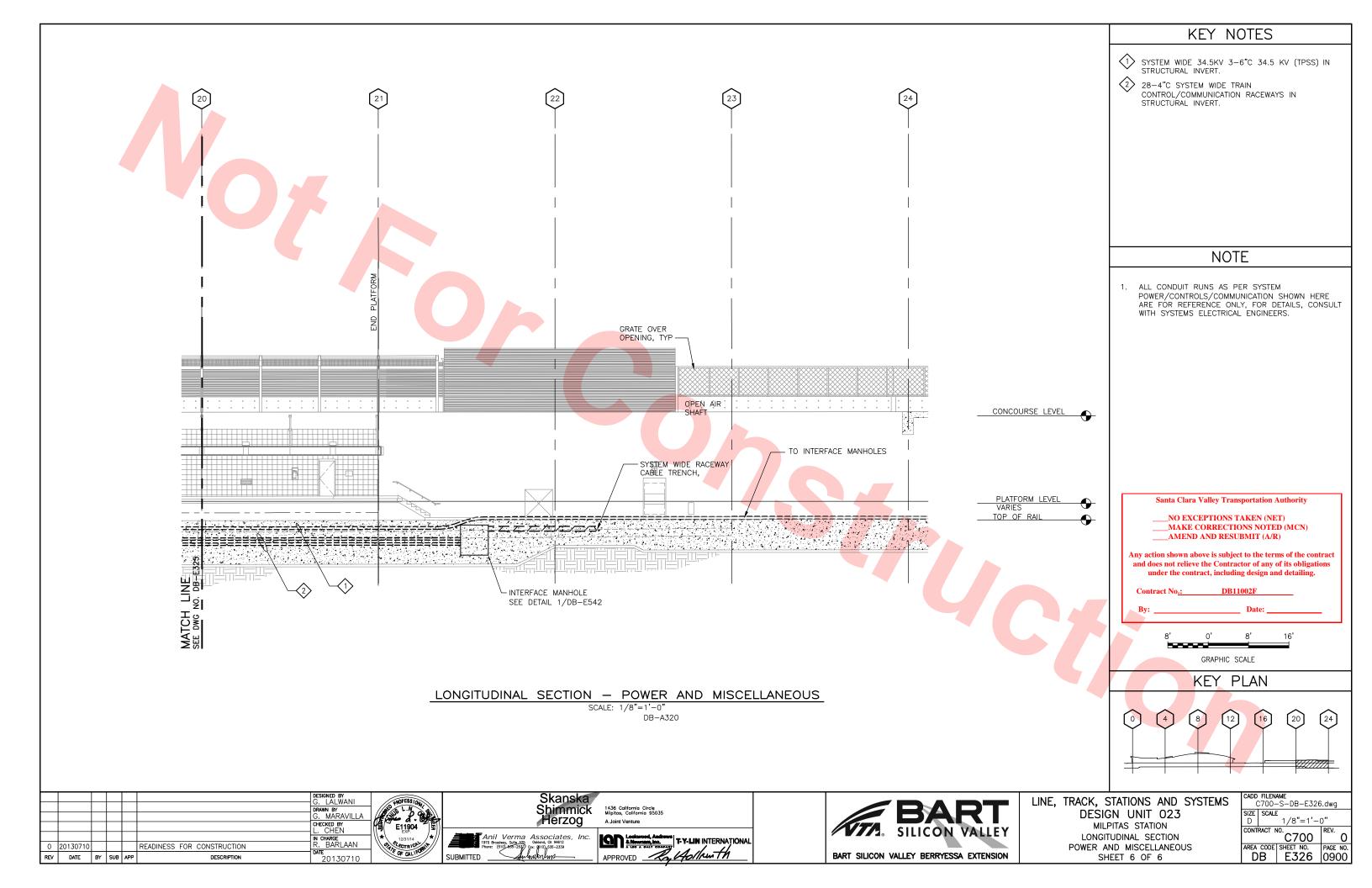
KEY NOTES SYSTEM WIDE 34.5KV 3-6"C 34.5 KV (TPSS) IN STRUCTURAL INVERT. 2 28-4"C SYSTEM WIDE TRAIN CONTROL/COMMUNICATION RACEWAYS IN STRUCTURAL INVERT. NOTE 1. ALL CONDUIT RUNS AS PER SYSTEM POWER/CONTROLS/COMMUNICATION SHOWN HERE ARE FÓR REFERENCE ONLY, FOR DETAILS, CONSULT WITH SYSTEMS ELECTRICAL ENGINEERS. \bigcirc PLATFORM LEVEL VARIES Santa Clara Valley Transportation Authority ____NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R) Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing. Contract No DB11002F 0' 8' 16 GRAPHIC SCALE KEY PLAN [24] [0] [12] [16] [20] 4 ADD FILENAME C700-S-DB-E322.dwg LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 SIZE SCALE 1/8"=1'-0" D MILPITAS STATION CONTRACT NO REV. LONGITUDINAL SECTION C700 0 AREA CODE SHEET NO. DB E322 POWER AND MISCELLANEOUS AGE NO. SHEET 2 OF 6 0896

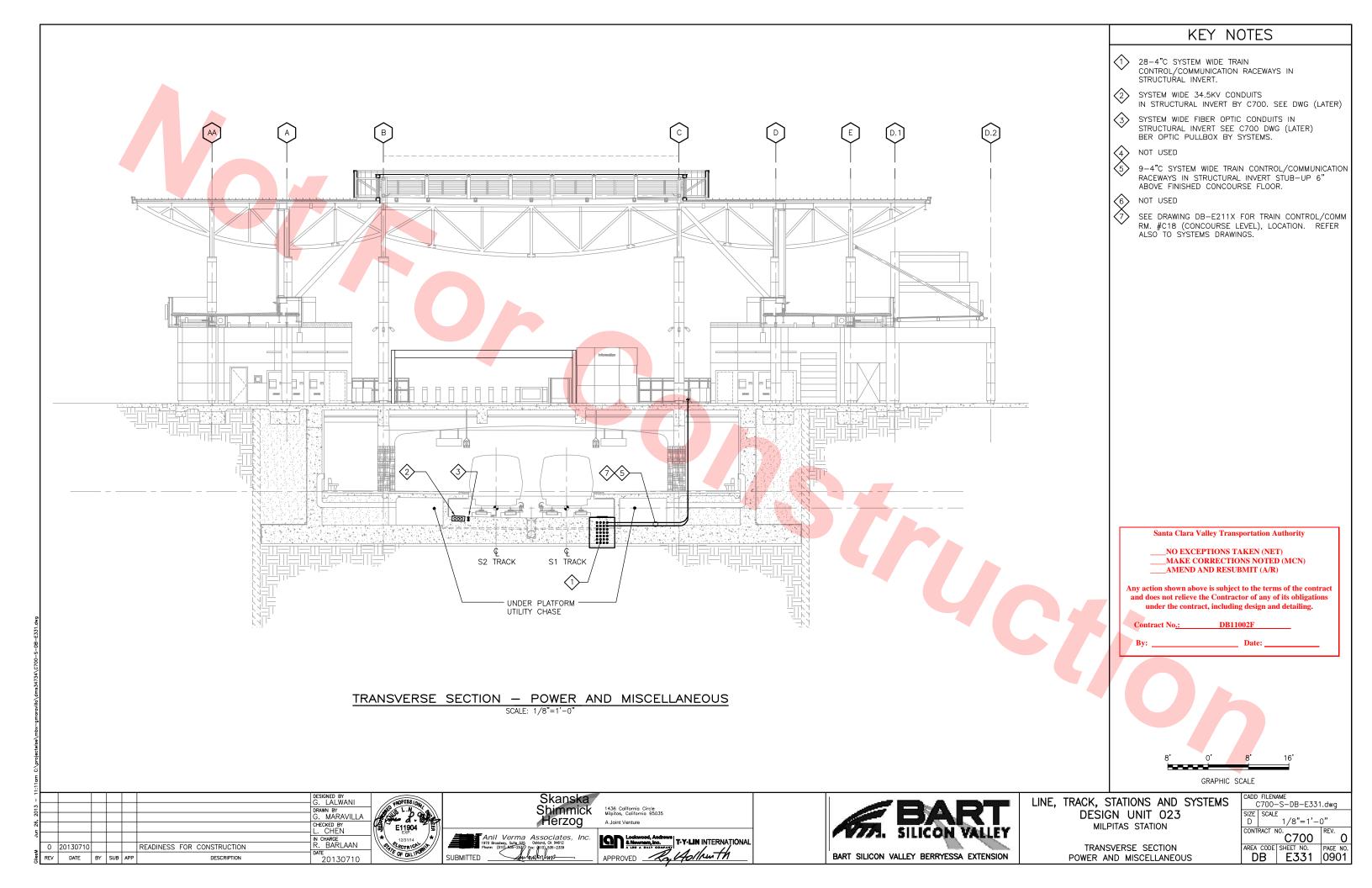


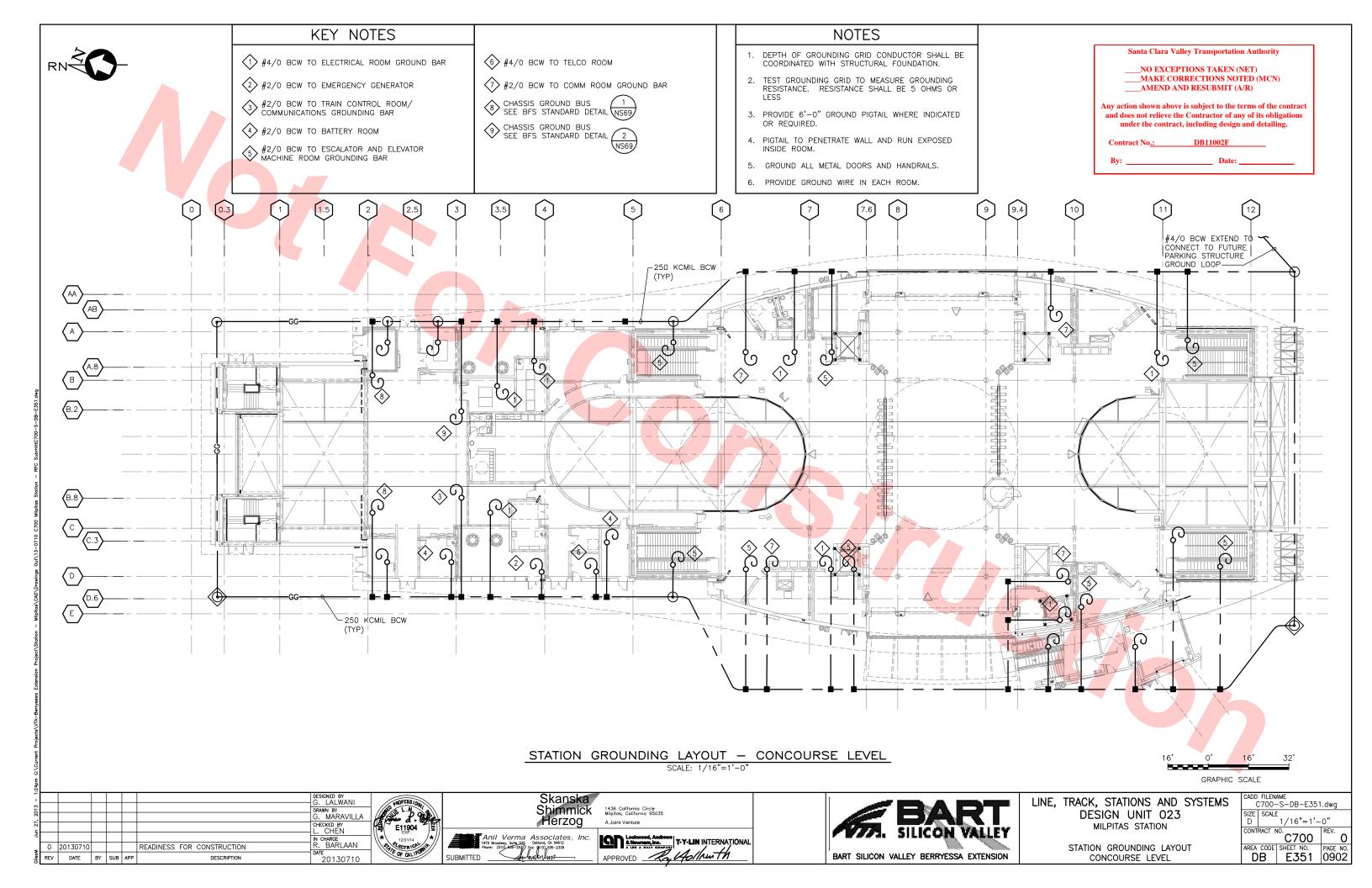


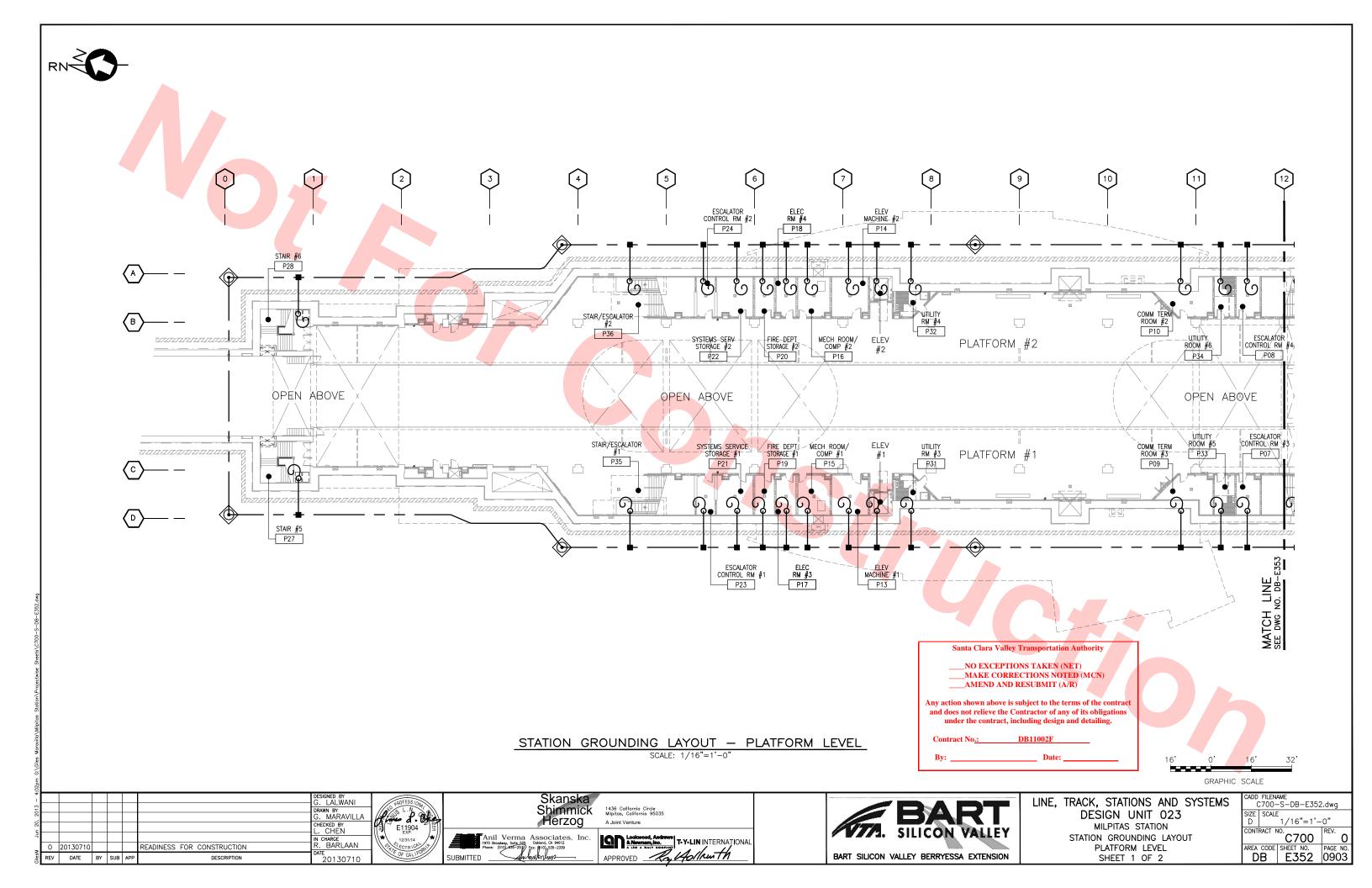


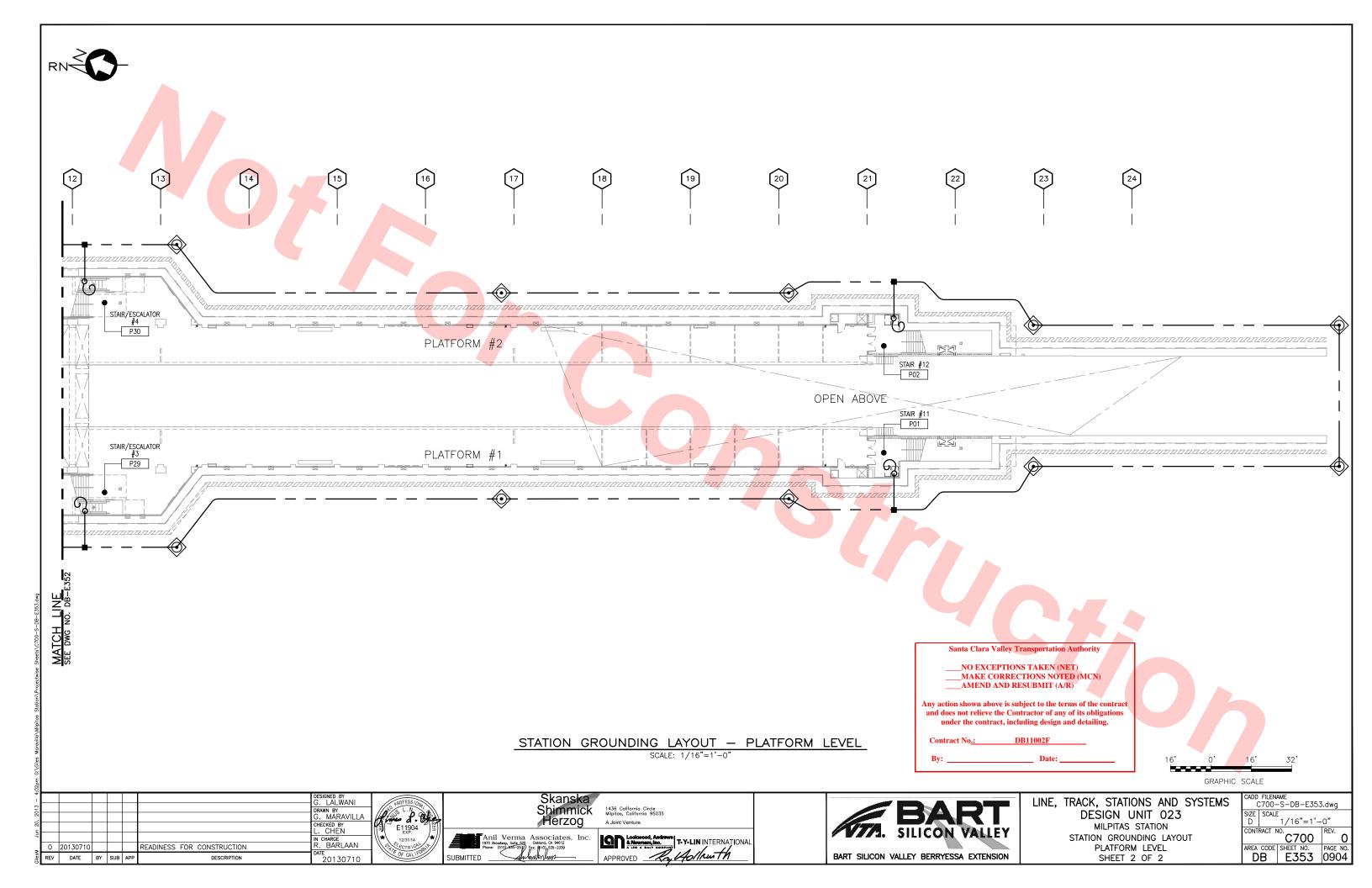
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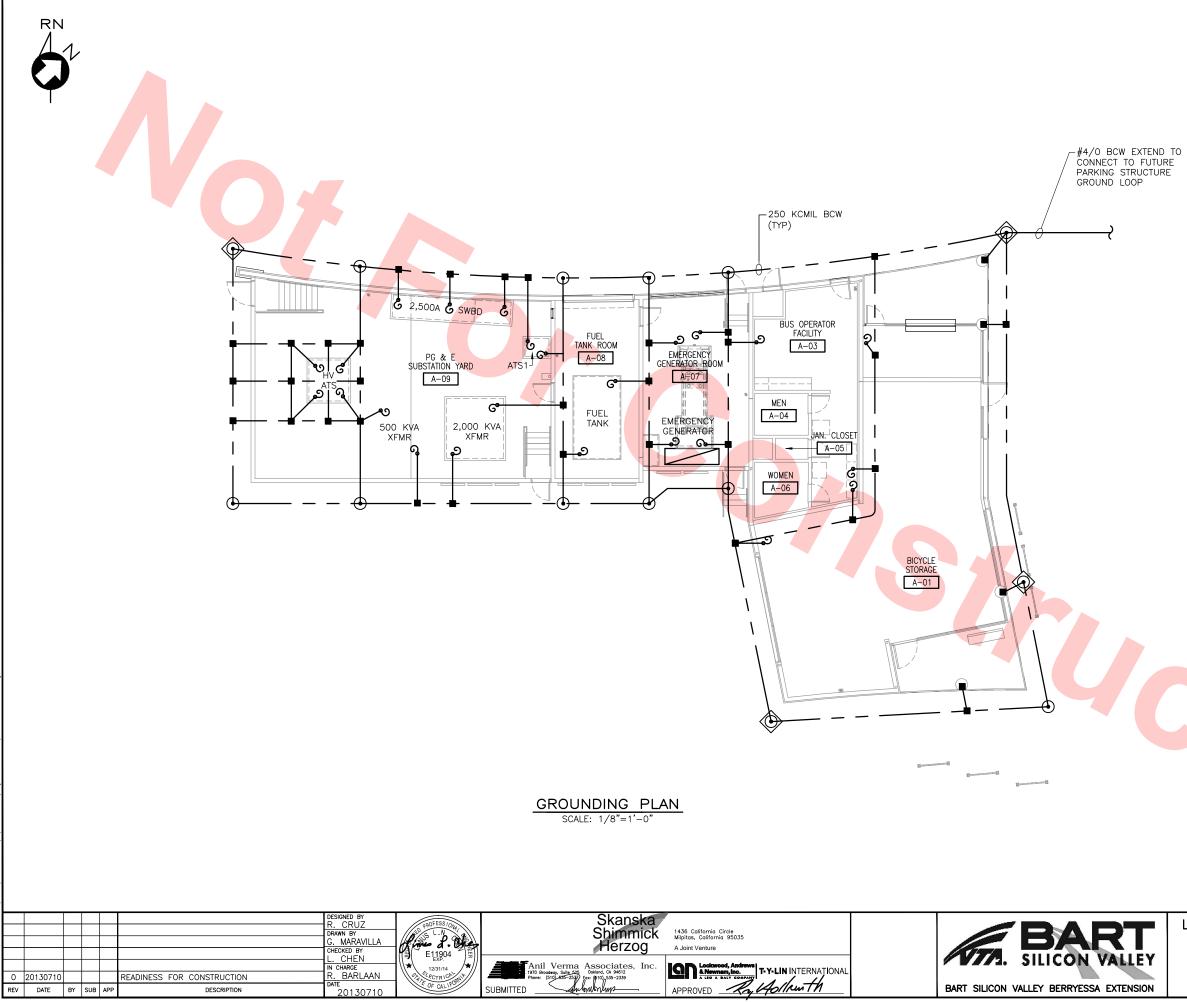


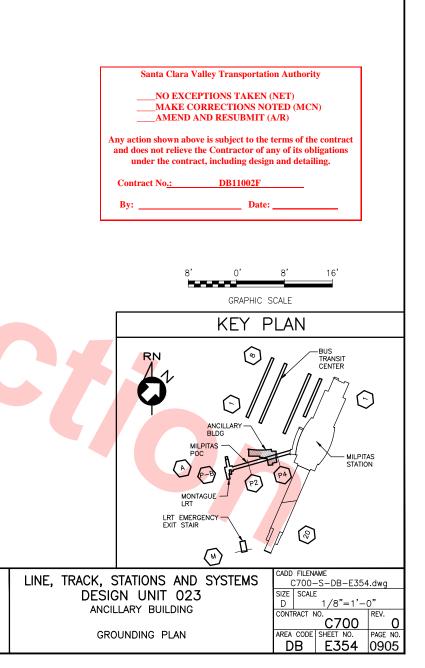


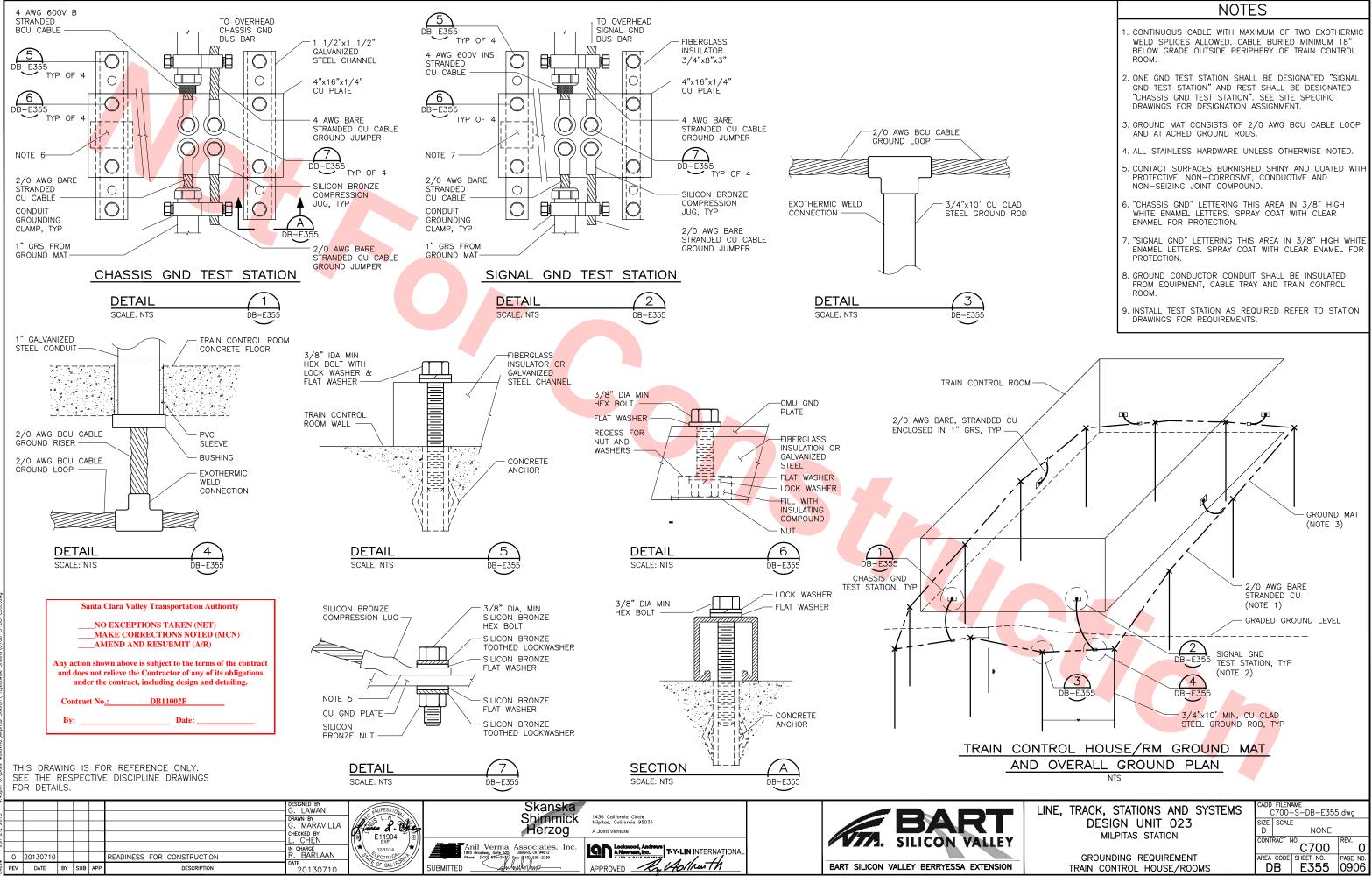




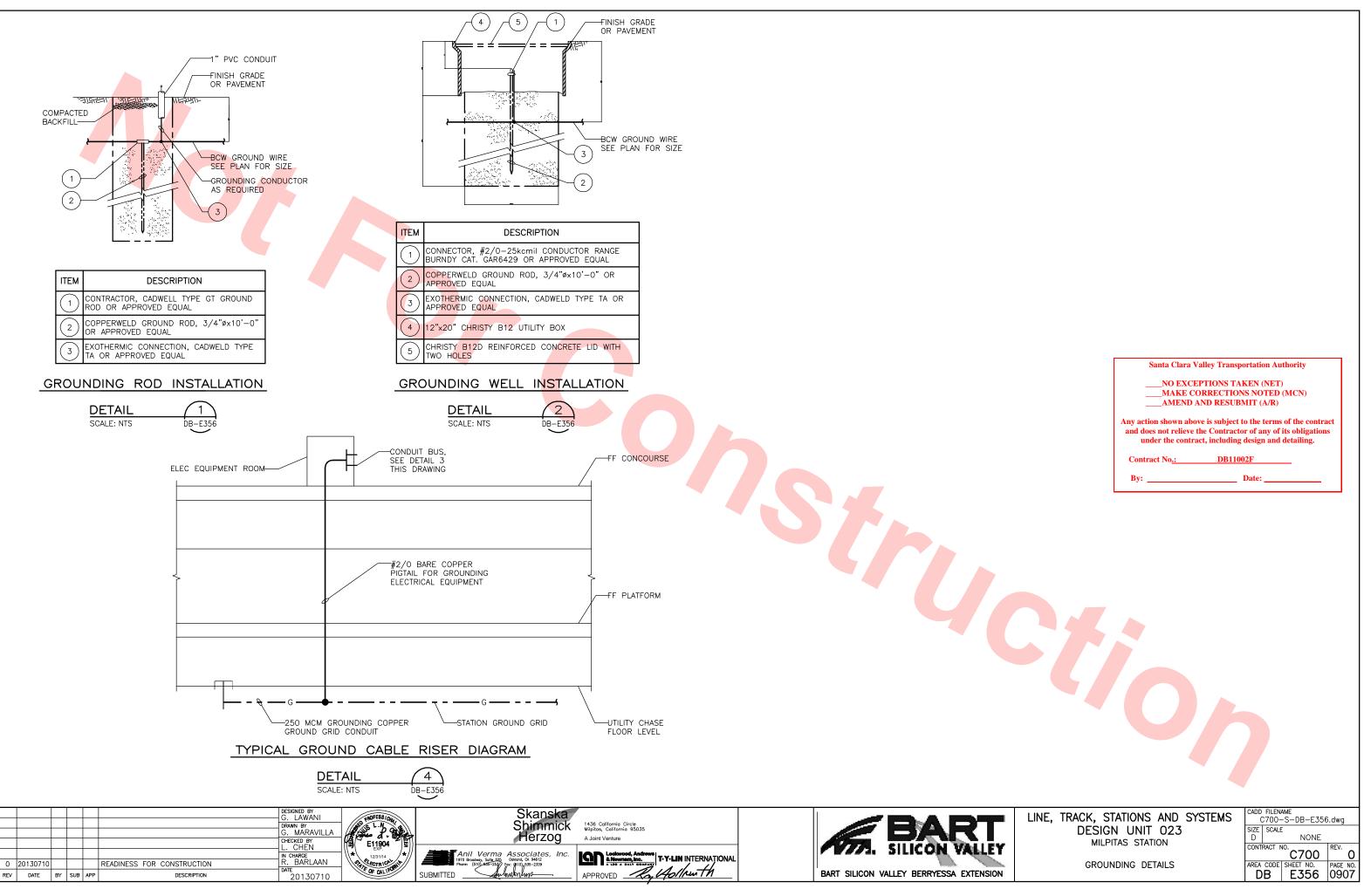




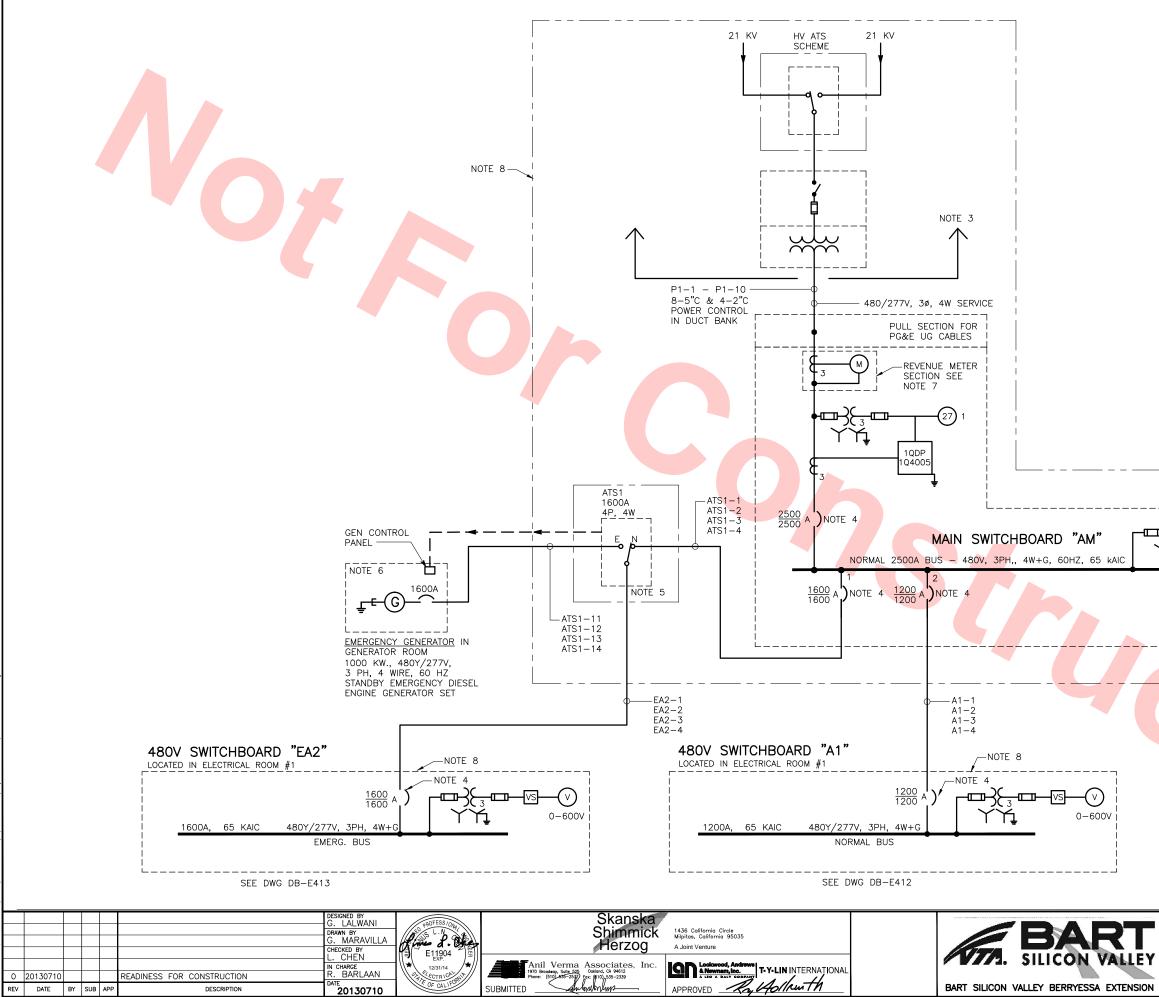




	NOTES
	1. CONTINUOUS CABLE WITH MAXIMUM OF TWO EXOTHERMIC WELD SPLICES ALLOWED. CABLE BURIED MINIMUM 18" BELOW GRADE OUTSIDE PERIPHERY OF TRAIN CONTROL ROOM.
	2. ONE GND TEST STATION SHALL BE DESIGNATED "SIGNAL GND TEST STATION" AND REST SHALL BE DESIGNATED "CHASSIS GND TEST STATION". SEE SITE SPECIFIC DRAWINGS FOR DESIGNATION ASSIGNMENT.
	3. GROUND MAT CONSISTS OF 2/0 AWG BCU CABLE LOOP AND ATTACHED GROUND RODS.
	4. ALL STAINLESS HARDWARE UNLESS OTHERWISE NOTED.
	5. CONTACT SURFACES BURNISHED SHINY AND COATED WITH PROTECTIVE, NON-CORROSIVE, CONDUCTIVE AND NON-SEIZING JOINT COMPOUND.
AD ROD	6. "CHASSIS GND" LETTERING THIS AREA IN 3/8" HIGH WHITE ENAMEL LETTERS. SPRAY COAT WITH CLEAR ENAMEL FOR PROTECTION.
	7. "SIGNAL GND" LETTERING THIS AREA IN 3/8" HIGH WHITE ENAMEL LETTERS. SPRAY COAT WITH CLEAR ENAMEL FOR PROTECTION.
	8. GROUND CONDUCTOR CONDUIT SHALL BE INSULATED FROM EQUIPMENT, CABLE TRAY AND TRAIN CONTROL ROOM.
	9. INSTALL TEST STATION AS REQUIRED REFER TO STATION DRAWINGS FOR REQUIREMENTS.
ROOM	
cu l	¶



Santa Clara Valley Transportation Authority
NO EXCEPTIONS TAKEN (NET)
MAKE CORRECTIONS NOTED (MCN)
AMEND AND RESUBMIT (A/R)
Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing.
Contract No.: DB11002F
By: Date:

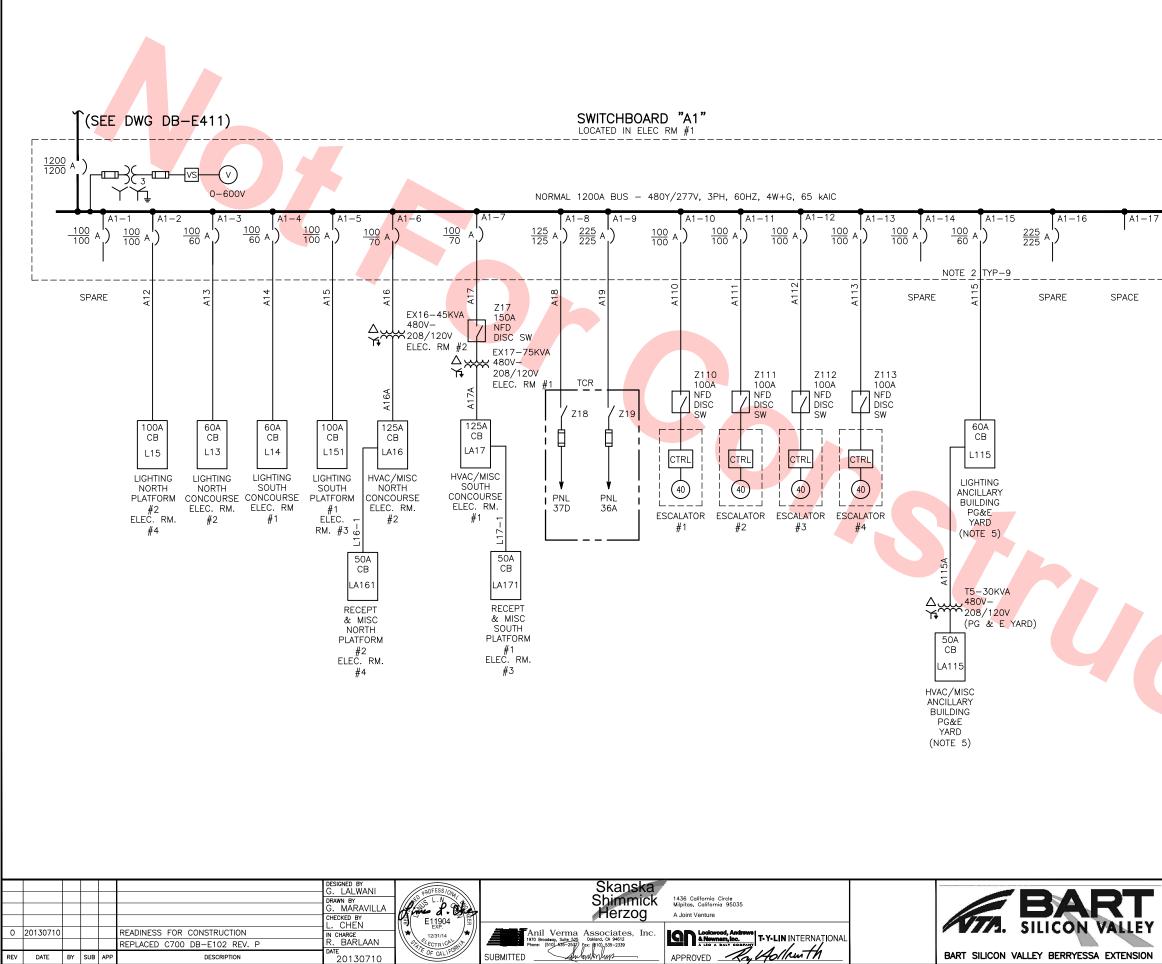


		NOTE	ES
	1.	FOR ELECTRICAL ABBREVIA E001.	TION REFER TO SHEET
	2.	FOR ELECTRICAL DIAGRAM SHEET E003.	AND SYMBOLS REFER TO
	3.	DESIGNED AND FURNISHED	BY PG&E
	4.	AND DELAY AND GROUND PROVIDE UNDERVOLTAGE R	IT HAVING THE FOLLOWING DELAY, SHORT-TIME PICKUP FAULT PICKUP AND DELAY ELAY AND LOCK-OUT XILIARY CONTACTS OF MAIN
	5.	AUTOMATIC TRANSFER SWIT PROVIDED WITH BYPASS/IS MAINTENANCE TESTING AND INTERRUPTING POWER TO	OLATION SWITCHES FOR REPAIR WITHOUT
	6.	GENERATOR SHALL BE WIT ENCLOSURE AND SUB BAS	
	7.	METER SECTION HOUSING REQUIREMENTS FOR PG&E DRAWINGS FOR APPROVAL FABRICATION OF SWITCHBO INSTALL 2–2" CONDUITS (IN ACCORDANCE WITH PG&	METER. SUBMIT SHOP BY PG&E BEFORE ARD. FURNISH AND FOR REVENUE METERING).
	8.	FOR SWITCHBOARDS LOADS DWGS. E412 AND E413 AN	
)))))))))))))))))))		
	Santa C	lara Valley Transportation Aut	hority
	MA	EXCEPTIONS TAKEN (NET) KE CORRECTIONS NOTED (END AND RESUBMIT (A/R)	MCN)
and do	es not re	n above is subject to the terms of lieve the Contractor of any of it contract, including design and d	ts obligations
	_	DB11002F	
ву:			
LINE. TRACK	TATIO	NS AND SYSTEMS	CADD FILENAME C700-S-DB-E411.dwg
DESIG	N U	NIT 023	SIZE SCALE D NONE
		STATION DISTRIBUTION	CONTRACT NO. C700 REV. 0
		DIAGRAM	AREA CODE SHEET NO. PAGE NO.

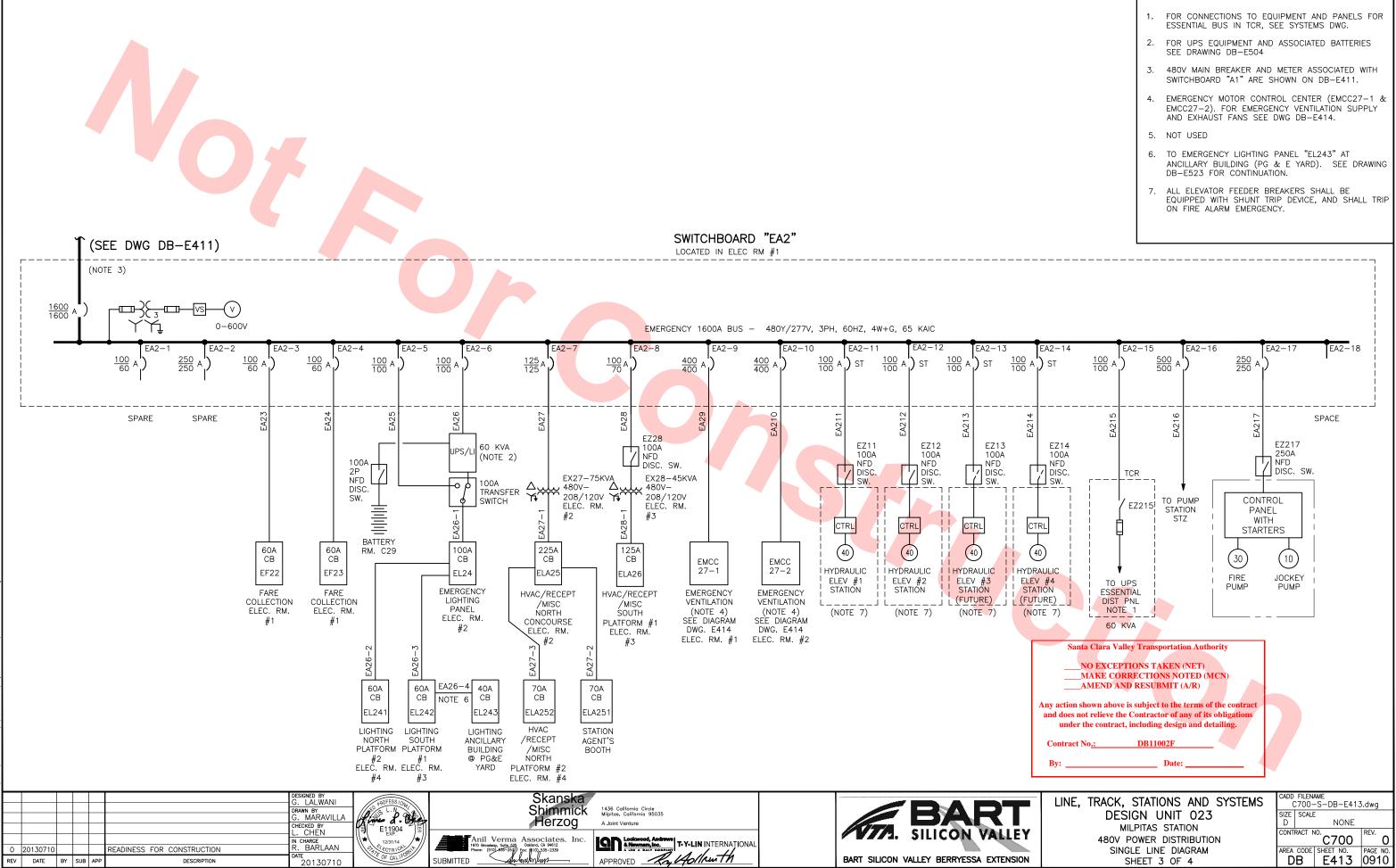
SINGLE LINE DIAGRAM

SHEET 1 OF 4

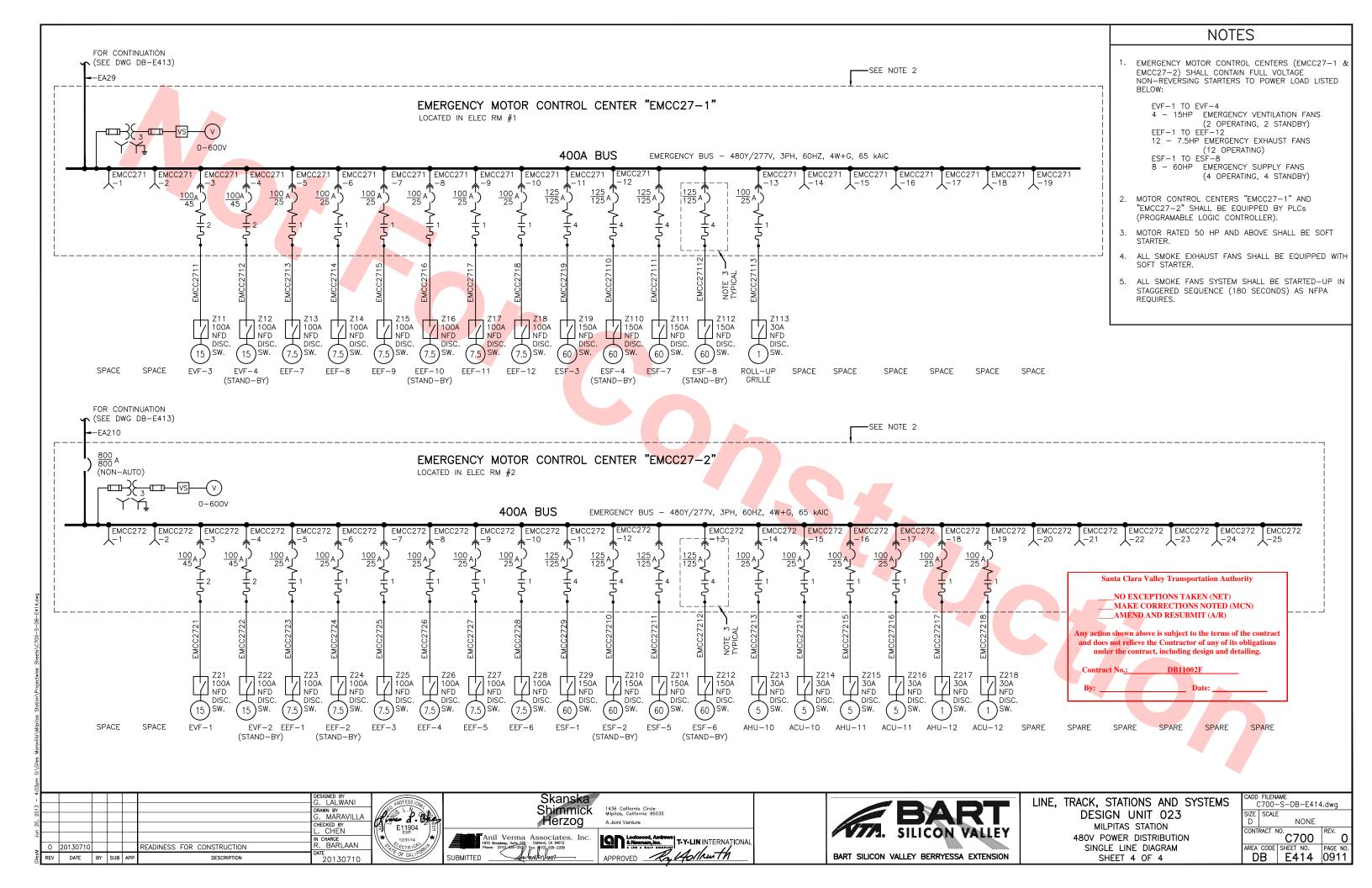
DB E411 0908

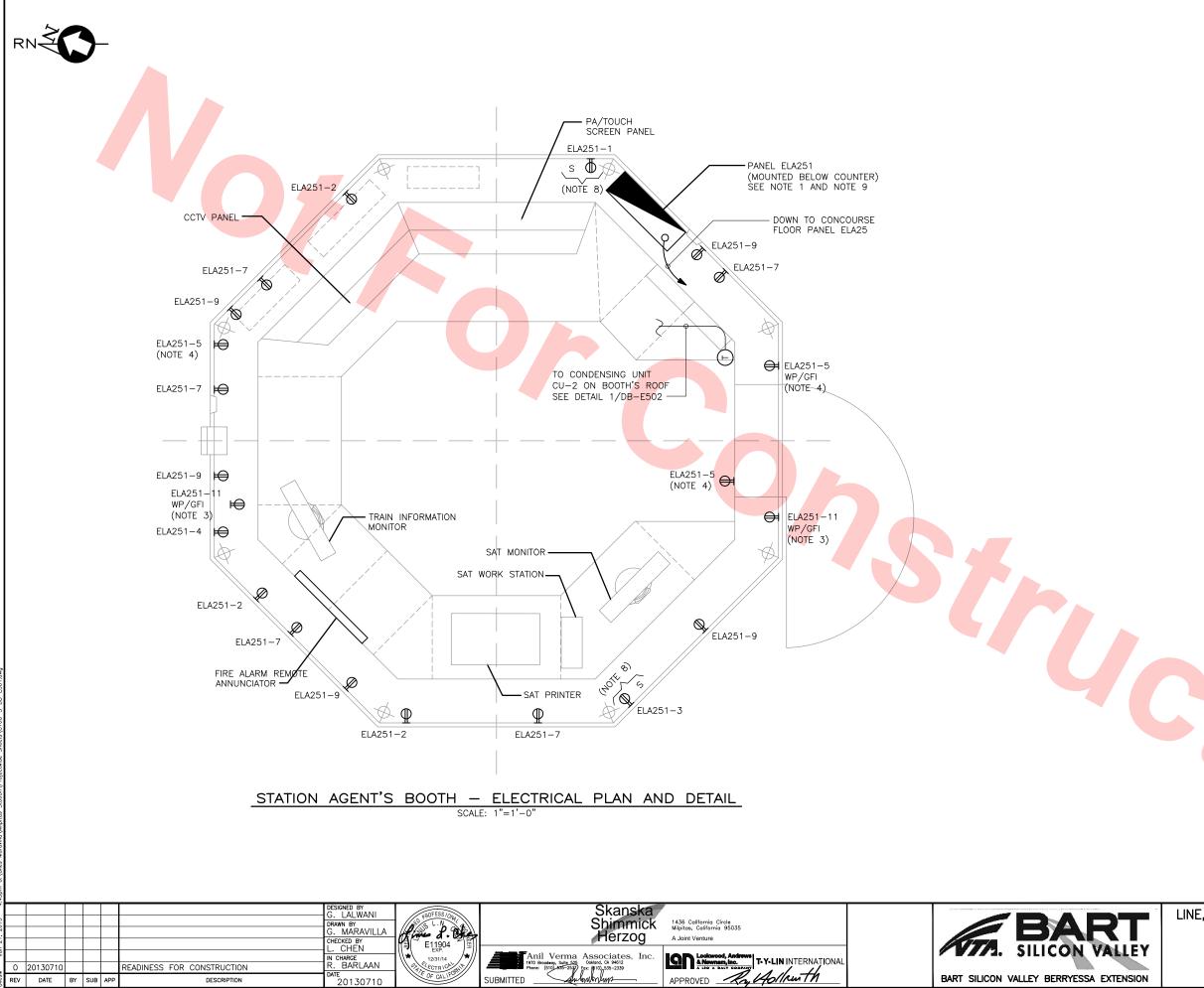


	NOTES
	 FOR CONNECTIONS TO EQUIPMENT AND PANELS FOR ESSENTIAL BUS, SEE SYSTEMS INSTALLATION SINGLE LINE DIAGRAM DWG. NO. SE-E200.
	2. ALL BREAKERS SHALL BE RATED FOR 65 kAIC @ 480V.
	 FOR ELECTRICAL ABBREVIATION REFER TO SHEET E001.
	 FOR ELECTRICAL DIAGRAM AND SYMBOLS REFER TO SHEET E003.
	 FOR LIGHTING AND POWER PANELS "L115", "LA115" LOCATED IN ANCILLARY BUILDING (PG&E YARD). SEE DRAWING E522 FOR PANEL SCHEDULES.
17 A1-18	
SPACE FOR FUTURE PV CONNECTION	Souto Claus Voltor Transmentedia de di 11
	Santa Clara Valley Transportation AuthorityNO EXCEPTIONS TAKEN (NET)
	MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R)
	Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing.
	Contract No <u>.: DB11002F</u>
	By: Date:
	TATIONS AND SYSTEMS CADD FILENAME C700-S-DB-E412.dwg SN UNIT 023 SIZE SCALE
Y MILF 480V PC SINGLI	PITAS STATION D NONE WER DISTRIBUTION CONTRACT NO. REV. E LINE DIAGRAM AREA CODE SHEET NO. PAGE NO.
N SH	EET 2 OF 4 DB E412 0909



	NOTES
1.	FOR CONNECTIONS TO EQUIPMENT AND PANELS FOR ESSENTIAL BUS IN TCR, SEE SYSTEMS DWG.
2.	FOR UPS EQUIPMENT AND ASSOCIATED BATTERIES SEE DRAWING DB-E504
3.	480V MAIN BREAKER AND METER ASSOCIATED WITH SWITCHBOARD "A1" ARE SHOWN ON DB-E411.
4.	EMERGENCY MOTOR CONTROL CENTER (EMCC27-1 & EMCC27-2). FOR EMERGENCY VENTILATION SUPPLY AND EXHAUST FANS SEE DWG DB-E414.
5.	NOT USED
6.	TO EMERGENCY LIGHTING PANEL "EL243" AT ANCILLARY BUILDING (PG & E YARD). SEE DRAWING DB-E523 FOR CONTINUATION.
7.	ALL ELEVATOR FEEDER BREAKERS SHALL BE EQUIPPED WITH SHUNT TRIP DEVICE, AND SHALL TRIP ON FIRE ALARM EMERGENCY.

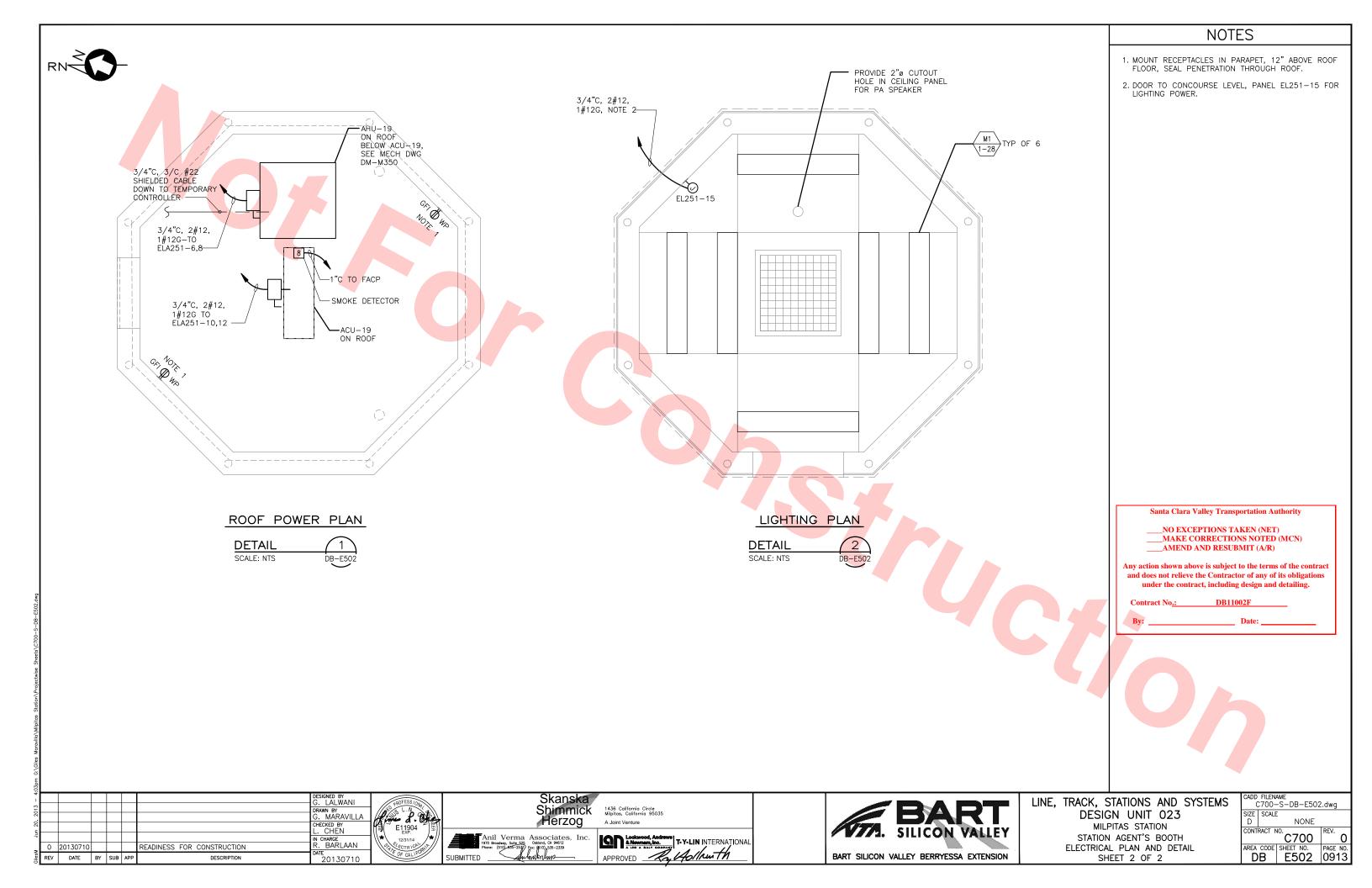


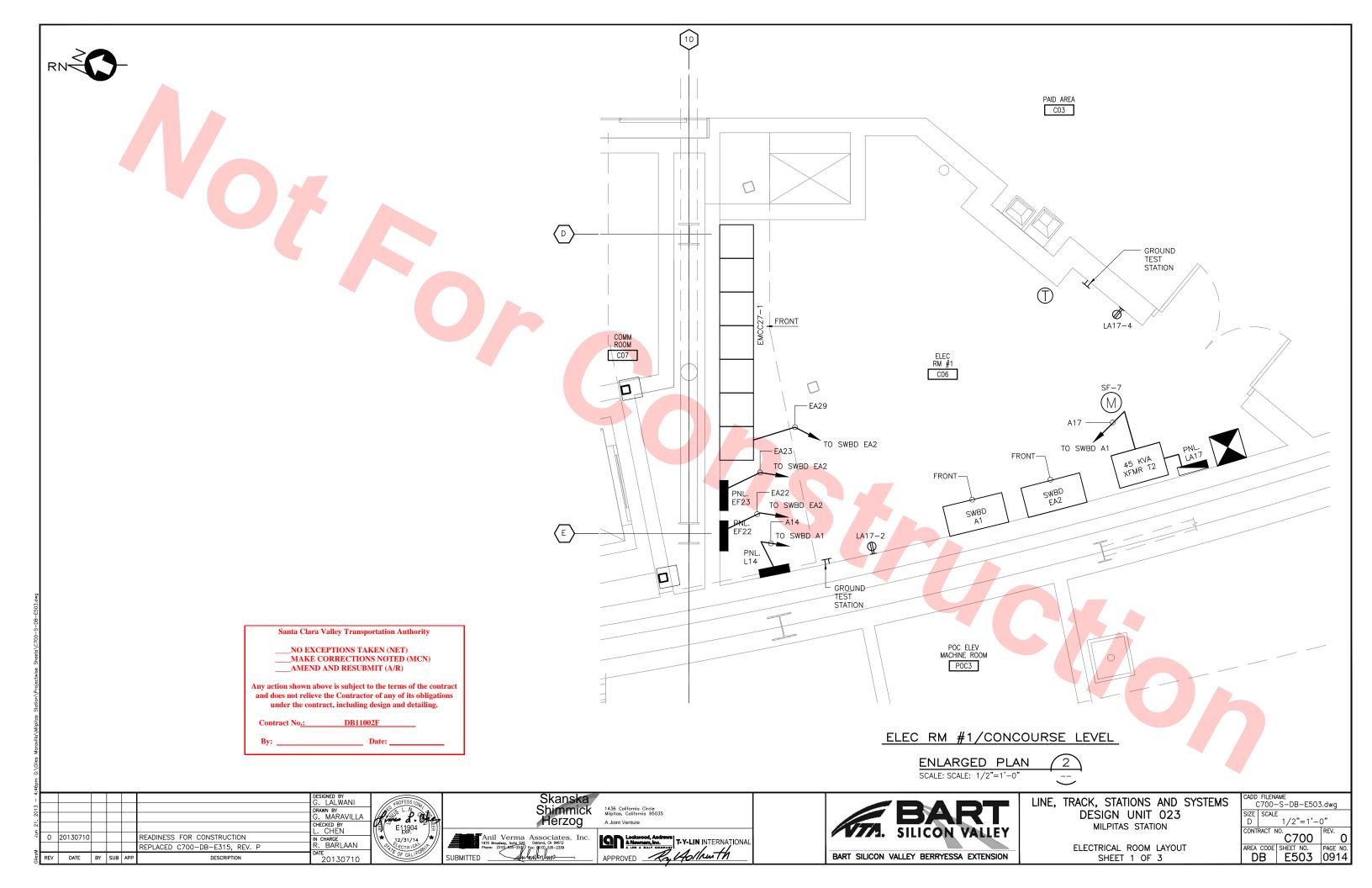


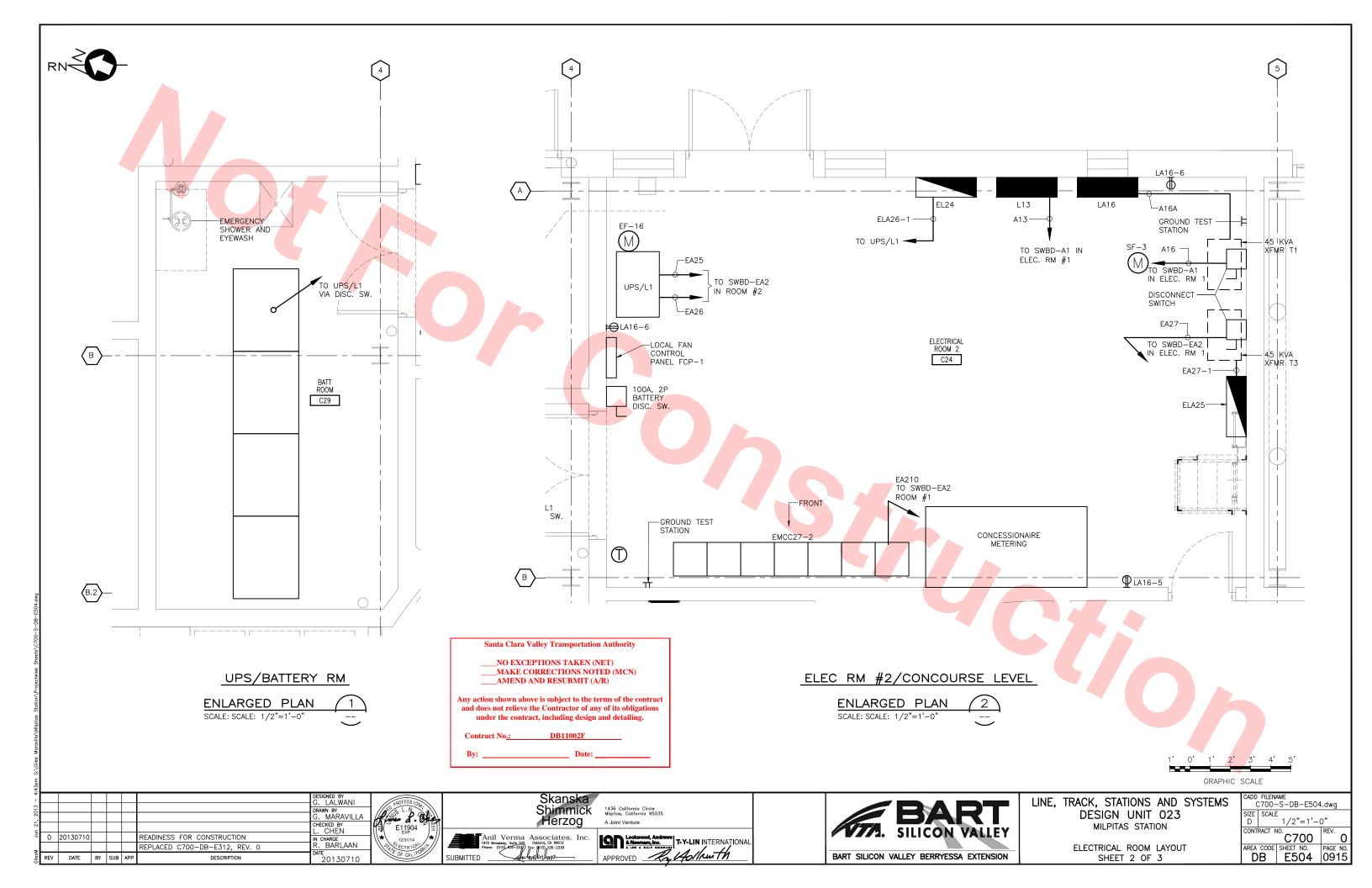
REV DATE BY SUB APP

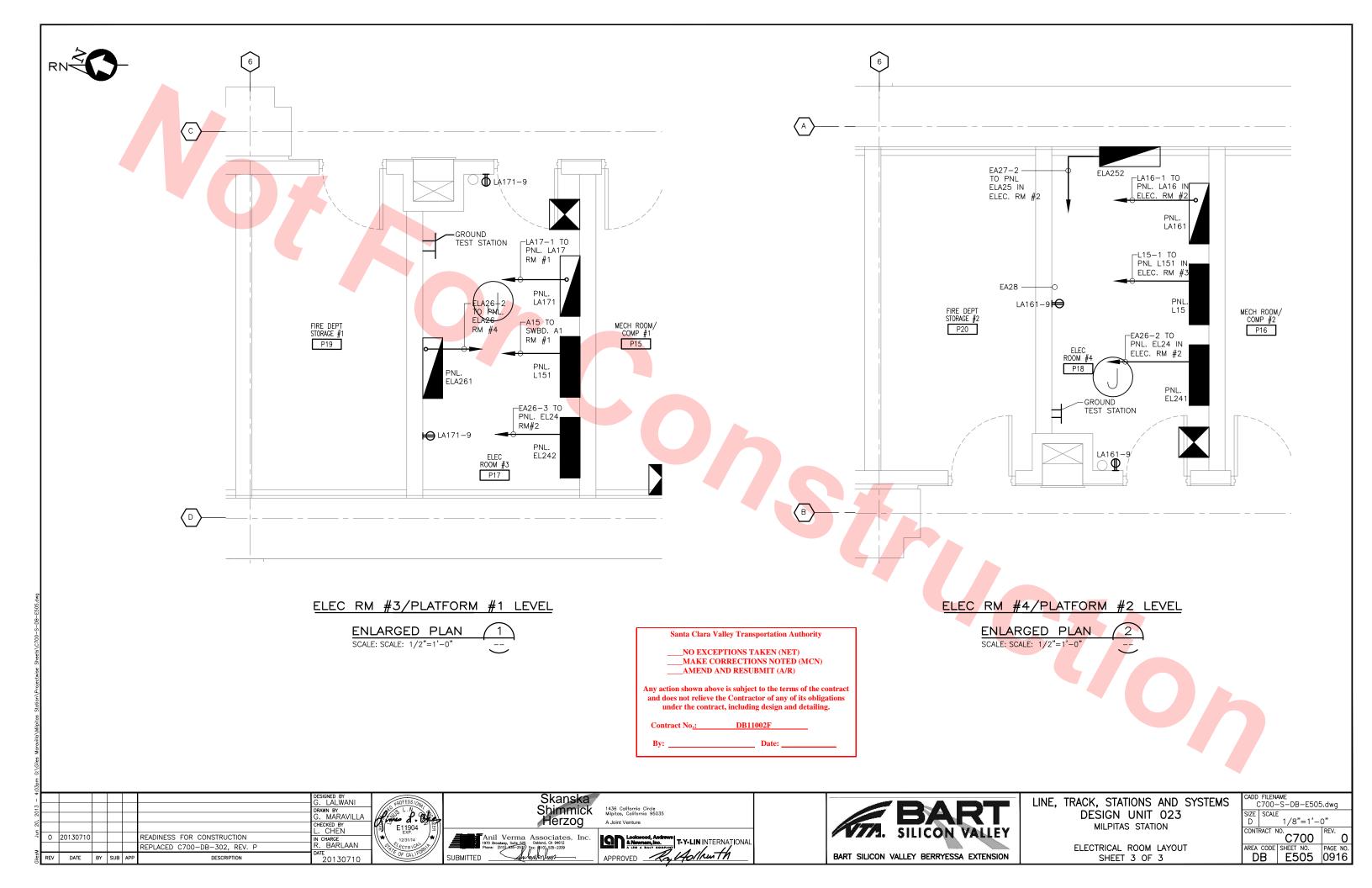
DESCRIPTION

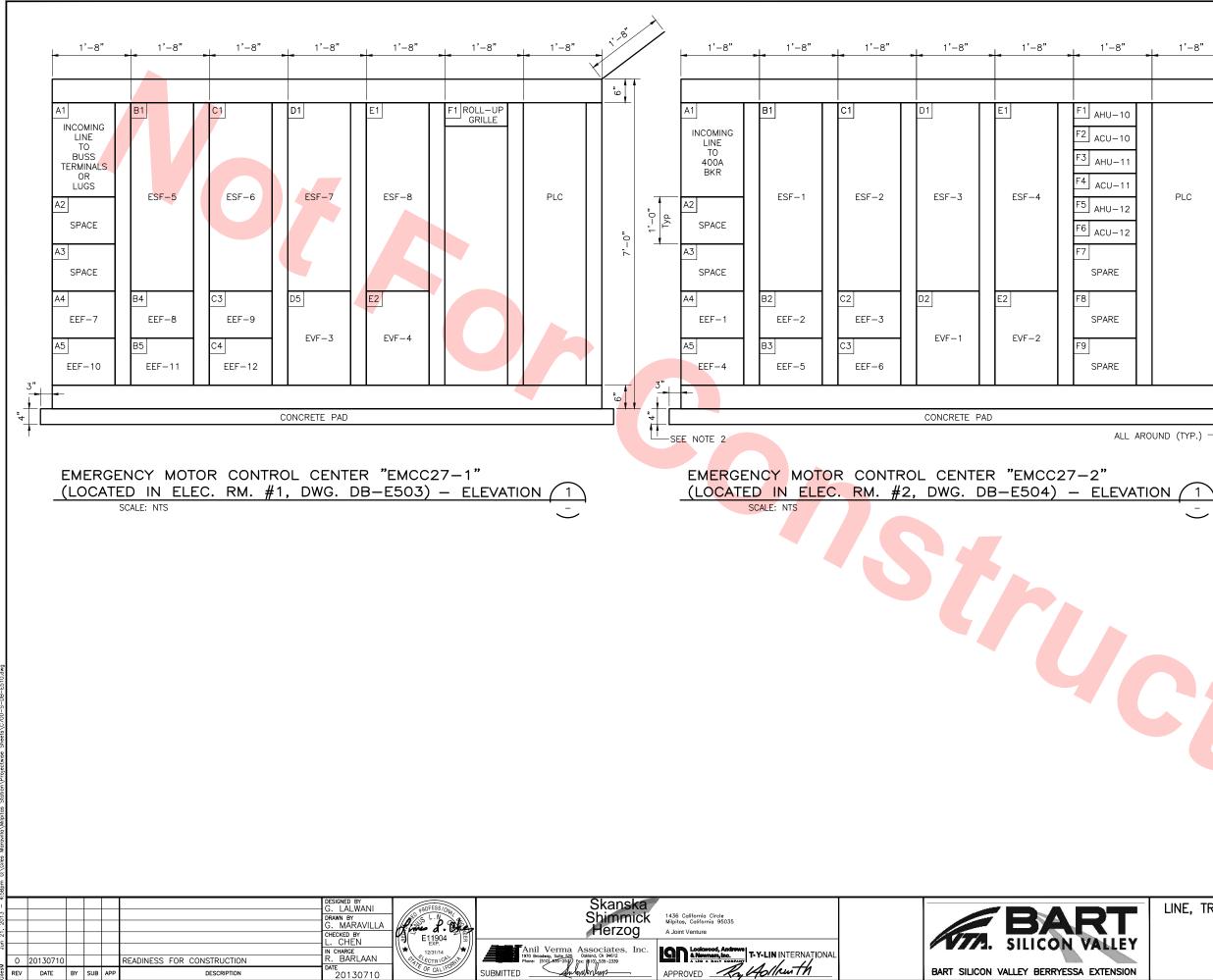
			-
		NOTE	<u>-</u> S
	1.	DISTRIBUTION PANEL SHAL CHANNELS/UNISTRUT BEHI AND SHALL NOT BE SUPP PANELS.	ND THE WALL PANELS
	2.	USE #12 AWG FOR ALL B UNLESS OTHERWISE NOTED	
	3.	MOUNT ROOF TOP WEATHE RECEPTACLE 6" ABOVE RC PARAPET FACE. SEAL CON	R PROTECTED GFI DOF SURFACE ON
	4.	INSTALL JUNCTION BOX AN ABOVE CEILING.	ND DUPLEX RECEPTACLE
	5.	INSTALL ALL DUPLEX RECE COUNTER ON BACKSPLASH NOTED.	
	6.	MINIMUM SIZE OF CONDUI FOR ABOVE SURFACE AND EMBEDDED CONDUIT.	
	7.	SEE ARCHITECTURAL DRAW DESIGN AND DIMMING REQ	
	8.	DEDICATED DUPLEX RECEP UNDER COUNTER AND CON ABOVE COUNTER FOR POR	NTROLLED BY SWITCH
	9.	THE MOUNTING OF THE S/ COUNTER IS CODE COMPL SHALL BE MOUNTED INSID CLOSEST TO THE SAB.	IANT OTHERWISE PANEL
	10.	VERIFY VOLTAGE PRIOR TO) INSTALLATION.
		Santa Clara Valley Trans NO EXCEPTIONS TA MAKE CORRECTIO AMEND AND RESURATION AND RESURATION AND RESURATION AND RESURATION AND AND AND AND AND AND AND AND AND AN	AKEN (NET) NS NOTED (MCN) 3MIT (A/R) to the terms of the contract tor of any of its obligations
		Contract No.: DB110	
		By:	Date:
		1' 0' GRAPHIC	1' 2' SCALE
		NS AND SYSTEMS	CADD FILENAME
DESIC	SN U	NIT 023	C700-S-DB-E501.dwg SIZE SCALE D 1"=1'-0"
		STATION IT'S BOOTH	CONTRACT NO REV.
		N AND DETAIL	AREA CODE SHEET NO. PAGE NO.
		OF 2	DB E501 0912











		NOTE	<u>ې</u>
-	1'-8"		414 FOR BREAKER RATING.
		2. PROVIDE 4" HIGH HOUSEK FOR UNDER ALL FLOOR M	IOUNTED MOTOR
Г		CONTROL CENTERS. COO MANUFACTURER'S SHOP D SIZE OF PAD, LOCATION A	RAWINGS CONCERNING
-		INSERT ANCHOR BOLTS IN REQUIRED FOR EQUIPMENT	TO BASE SLAB AS I STABILITY AGAINST
-		OPERATING CONDITIONS AN POUR CEMENT GROUT AFT BEEN LEVELED. ALL HOU	ER EQUIPMENT HAS
		BE REINFORCE WITH NO. CENTER EACH WAY AT MIE	4 BARS AT 12" ON
1	PLC	3. MOTOR CONTROL CENTERS EMCC227-2 CONTAINS ON	EMCC227–1 AND ILY FEEDER BREAKERS FOR
		FANS AND POWERS VFDs DRIVES) LOCATED NEAR E/	(VARIABLE FREQUENCY
1			
	3."		
1	╶╸┨╻╴╴		
ARC	OUND (TYP.)'		
TI	ON 1		
	$\overline{}$		
		Santa Clara Valley Transp	ortation Authority
		NO EXCEPTIONS TA	KEN (NET)
		MAKE CORRECTION AMEND AND RESUB	
		Any action shown above is subject t and does not relieve the Contracto	
		under the contract, including	design and detailing.
		Contract No <u>.: DB1100</u> By:	
		By:	Date:
			CADD FILENAME
		STATIONS AND SYSTEMS	C700-S-DB-E510.dwg SIZE SCALE
ϵ		PITAS STATION	D NONE CONTRACT NO. C700 0
1	MCC	C ELEVATIONS	AREA CODE SHEET NO. DB E510 0917

IDENTIFICATION	TYPE	DESCRIPTION	VOLTAGE	MFR CAT NUMBER	INPUT POWER (VA)	REMARK & MOUNTING	IDENTIFICATION	TYPE	DESCRIPTION	VOLTAGE	MFR CAT NUMBER	INPUT POWER (VA)	REMARK & MOUNTING
M1 1-28	FLUORESCENT	6 [°] x4 ['] PENDANT–MOUNTED LINEAR FLUOR. DOWNLIGHT (3)28–WATT LINEAR FLUORESCENT T5 PHILIPS LAMP OR EQUAL	277V	CUSTOMIZED PER BART SPEC	80	INTEGRATED INTO SLPA	M17 1-70	METAL HALIDE	6" COLUMN-MOUNTED COMPACT METAL HALIDE ADJUSTABLE ACCENT LIGHT (1)70-WATT COMPACT METAL HALIDE PAR 30 PHILIPS LAMP OR EQUAL	277V	LUMIERE 730-MH70PAR30 -277-ELMSM-FINISH- LVR-30 OR EQUAL	90	CONCOURSE
M2 1-70	METAL HALLIDE	6" APERTURE RECESSED-MOUNTED METAL HALIDE ADJUSTABLE ACCENT LIGHT (1)70-WATT METAL HALIDE T6 PHILIPS LAMP OR EQUAL	277V	LIGHTOLIER C6T6ACCDP-MHT6RF- C6A70T6EZ OR EQUAL	85	PLATFORM	M18 1-70	METAL HALLIDE	6"STRUCTURE-MOUNTED COMPACT METAL HALIDE ADJUSTABLE ACCENT LIGHT (1)70-WATT COMPACT METAL HALIDE PAR 30 PHILIPS LAMP OR EQUAL	277V	LUMIERE 730-MH70PAR30 -277-ELMSM-FINISH- LVR30 OR EQUAL	90	CONCOURSE ENTRY
M3 4-28	FLUORESCENT	4" DIAMETER RECESSED-MOUNTED LINEAR FLUORESCENT WHITE ACRYLIC DOME (4)28-WATT LINEAR FLUORESCENT T5 PHILIPS LAMP OR EQUAL	277V	FOCAL POINT FSD44D4T5E- U-R-SC-HW OR EQUAL	120	PLATFORM	M19 1-54	FLUORESCENT	6"x4' SURFACE-MOUNTED LINEAR FLUORESCENT STRIP LIGHT WITH LENS (1)54-WATT LINEAR FLUORESCENT T5HO PHILIPS LAMP OR EQUAL	277V	HE WILLIAMS 92–4–154T5H–A–WET/2 –EB1–277 OR EQUAL	65	CONCOURSE TVMS
M4A 2-54	FLUORESCENT	6"x4' PENDANT-MOUNTED LINEAR FLUORESCENT STRIP LIGHT WITH REFLECTOR & GUARD (2)54-WATT LINEAR FLUORESCENT T5HO PHILIPS LAMP OR EQUAL	277V	HE WILLIAMS 84-4-254T5H- WG14-EB2-277 OR EQUAL	130	MTG 12'-0" AFF	M20 1-70	METAL HALIDE	LUMINOUSE – COLUMN METAL HALIDE AREA LIGHT (1) 70–WATT METAL HALIDE T6 PHILIPS OR EQUAL	277V	LUMEC OV2-70MH-277- LH6-11-PH-FINISH OR EQUAL	100	OUTDOOR PLAZA
M4B 4-54	FLUORESCENT	6"x8' PENDANT-MOUNTED LINEAR FLUORESCENT STRIP LIGHT WITH REFLECTOR & GUARD (4)54-WATT LINEAR FLUORESCENT T5HO PHILIPS LAMP OR EQUAL	277V	HE WILLIAMS 84-8-454T5H- WG14-EB2-277 OR EQUAL	260		M21 1-175	METAL HALIDE	POLE MOUNTED METAL HALIDE AREA LIGHT (1)175–WATT METAL HALIDE T6 PHILIPS LAMP OR EQUAL	277V	HESS CC450-175-M- 7-A-16RS-*_* OR EQUAL	200	CAMPUS
M4C 2-54	FLUORESCENT	6"x4' SURFACE-MOUNTED LINEAR FLUORESCENT STRIP LIGHT WITH REFLECTOR & GUARD (2)54-WATT LINEAR FLUORESCENT T5HO PHILIPS LAMP OR EQUAL	277V	HE WILLIAMS 84-4-25475H- WG14-EB2-277 OR EQUAL	130		M22 1-39	METAL HALIDE	6" IN GRADE COMPACT METAL HALIDE ADJUSTABLE ACCENT LIGHT	277V	LUMIERE 730-MH39PAR30- 277-ELMB-FINISH- LVR-30 OR EQUAL		LANDSCAPE PLANTER
M4D 4-54	FLUORESCENT	6"x8' SURFACE-MOUNTED LINEAR FLUORESCENT STRIP LIGHT WITH REFLECTOR & GUARD (4)54-WATT LINEAR FLUORESCENT T5HO PHILIPS LAMP OR EQUAL WALL-MOUNTED METAL HALIDE	277V	HE WILLIAMS 84–8–454T5H– WG14–EB2–277 OR EQUAL	260		M23 1-39	METAL HALIDE	6" IN GRADE COMPACT METAL HALIDE ADJUSTABLE ACCENT LIGHT	277V	LUMIERE 730-MH39PAR30- 277-ELMB-FINISH- LVR-30 OR EQUAL		LANDSCAPE PLANTER
M5 1-150	METAL HALLIDE	AREA LIGHT (1)150-WATT METAL HALIDE ED17 PHILIPS LAMP OR EQUAL 6" SURFACE-MOUNTED COMPACT METAL HALIDE	277V	GARDCO 101–WT–150MH–277 –FINISH OR EQUAL	200	PLATFORM OPEN AREAS MTG 12'-0" AFF	M24 2-32	FLUORESCENT	10" OPEN CYLINDER WITH 6" SEMI SPECULAR REFLECTOR HORIZONTAL POSITION	277V	GOTHAM LIGHTING CLED9-35/22-8ARLS		_
M6 1-70	METAL HALLIDE	6 SURFACE-MOUNTED COMPACT METAL HALIDE CYLINDER DOWNLIGHT, WIDE BEAM SPREAD (1)70-WATT COMPACT METAL HALIDE T6 PHILIPS LAMP OR EQUAL 6" SURFACE-MOUNTED COMPACT METAL HALIDE	277V	LIGHTOLIER C6T6VNCCD-C6CS70T6E2 OR EQUAL	85	CONCOU <mark>RSE</mark> STAIRS	M25 2-42	FLUORESCENT	9" APERTURE WALL-MOUNTED COMPACT FLUORESCENT DOWNLIGHT	277V	GARDCO LIGHTING 101-WT-242TRF- 277-*_*	85	
M7 1-54	METAL HALLIDE	CYLINDER DOWNLIGHT, NARROW BEAM SPREAD (1)70–WATT COMPACT METAL HALIDE T6 PHILIPS LAMP OR EQUAL	277V	LIGHTOLIER C6T6VNCCD-C6CS70T6E2 OR EQUAL	85	CONCOURSE STAIRS	M26	LED	(2)42-WATT 0.75"WIDE X0.75" TALL HANDRAIL-MOUNTED LED DOWNLIGHT		OR EQUAL		
M9 2-54	FLUORESCENT	2'x4' RECESSED-MOUNTED LINEAR FLUORESCENT UPLIGHT/DOWNLIGHT (2)54-WATT LINEAR FLUORESCENT T5HO PHILIPS LAMP OR EQUAL	277V	LIGHTOLIER CFS2-CEILING TYPE-P-W -2-54-277-PG OR EQUAL	130				()-WATT LED 8" APERTURE OPEN DOWNLIGHT 42TRT	277V	0-06-FINISH-2-PM -C-25-WHITE-LENGTH -2-1 OR EQUAL	15	POC HANDRAIL
M10 2-28	FLUORESCENT	2'x4' RECESSED-MOUNTED LINEAR FLUORESCENT LENSED TROFFER (2)28-WATT LINEAR FLUORESCENT T5 PHILIPS LAMP OR EQUAL	277V	HE WILLIAMS 50–S24–228T5S–S–A12125 –EB2–277 OR EQUAL	80		M27 1-42	FLUORESCENT		277V			
M12 1-70	METAL HALLIDE	WALL-MOUNTED COMPACT METAL HALIDE DIRECT/INDIRECT SCONCE (1)70-WATT COMPACT METAL HALIDE T6 PHILIPS LAMP OR EQUAL	277V	BEGA 6620MH OR EQUAL	85	EXTERIOR TRELLIS							
M13 1-400	METAL HALLIDE	TRUSS –MOUNTED METAL HALIDE UPLIGHT (1)400–WATT METAL HALIDE ED28 PHILIPS LAMP OR EQUAL	277V	ELLIPTIPAR M-103-0400- MOUNTING-FINISH- B-00-0 OR EQUAL	480	CONCOURSE					Clara Valley Transportation Author	ity	
M14 1-70	METAL HALLIDE	WALL-MOUNTED COMPACT METAL HALIDE ADJUSTABLE ACCENT LIGHT (1)70-WATT METAL HALIDE PAR 30 PHILIPS LAMP OR EQUAL	277V	RSA LIGHTING CGWA-24-A-FINISH- REMOTE BALLAST OR EQUAL	80	CONCOURSE					O EXCEPTIONS TAKEN (NET) AKE CORRECTIONS NOTED (MC MEND AND RESUBMIT (A/R) own above is subject to the terms of term		
M15 1-70	METAL HALLIDE	6" TRUSS-MOUNTED COMPACT METAL HALIDE ADJUSTABLE ACCENT LIGHT (1)70-WATT COMPACT METAL HALIDE PAR 30 PHILIPS LAMP OR EQUAL	277V	LUMIERE 730-MH70PAR30 -277-ELMSM-FINISH- LVR-30 OR EQUAL	90	CONCOURSE				and does not	relieve the Contractor of any of its o ne contract, including design and deta	bligations	
M16A 2-54	FLUORESCENT	6"x4' PENDANT-MOUNTED LINEAR FLUORESCENT STRIP LIGHT WITH REFLECTOR (2)54-WATT LINEAR FLUORESCENT T5HO PHILIPS LAMP OR EQUAL	277V	HE WILLIAMS 84-4-254T5H- WG14-EB2-277 OR EQUAL	130					By:	Date:		
		L. CHEN	PROFESSIONAL SL.AL El1904 EXP.	Skar Shim Herz	mick lá zog A	436 California Circle ilpitas, California 95035 Joint Venture			BART LI		K, STATIONS AND SYSTE ESIGN UNIT 023 MILPITAS STATION	LMS (SIZE D	FILENAME C700-S-DB-E515.dw SCALE NONE RACT NO. C700 REV
20130710 / DATE BY		IN CHARGE S FOR CONSTRUCTION R. BARLAAN Description Date 20130710 20130710	12/31/14 ELECTRICAL TE OF CALIFORNIT	1970 Broadwy, Sulla 22 Ookind, CA 94612 1970 Broadwy, Sulla 22 Ookind, CA 94612 Phone: (510) 435–237 For: (510) 435–239 SUBMITTED		TI Lookwood, Andrews <u>A Nownem, Inc.</u> A LIC A DALY COMPANY PPROVED	LIN INTERNATIONAL		BART SILICON VALLEY BERRYESSA EXTENSION	LIGH	TING FIXTURE SCHEDULE SHEET 1 OF 2		CODE SHEET NO. PAG

IDENTIFICATION	TYPE	DESCRIPTION	VOLTAGE	MFR CAT NUMBER	INPUT POWER (VA)	REMARK & MOUNTING	IDENTIFICATION	TYPE	DESCRIPTION
M28 2-54	FLUORESCENT	6"x4' PENDANT-MOUNTED LINEAR FLUORESCENT STRIP LIGHT WITH REFLECTOR (2)54-WATT LINEAR FLUORESCENT T5HO PHILIPS LAMP OR EQUAL	277V	HE WILLIAMS 84-4-254T5H- WG14-EB2-277 OR EQUAL	130		M9EM 2-54	FLUORESCENT	SAME AS M9 EXCEPT FIXTURE TO BE PROVIDED WITH EMERGENCY BATTERY PACK
M29 1-70	METAL HALIDE	6" WALL-MOUNTED COMPACT METAL HALIDE DOWNLIGHT	277V	LUMIERE 715-MH70PAR30- * *-OSL-30-	90	POC GROUND	2-28	FLUORESCENT	SAME AS M10 EXCEPT FIXTURE TO BE PROVIDED WITH EMERGENCY BATTERY PACK
	METAL HALIDE	6" WALL-MOUNTED COMPACT METAL HALIDE DOWNLIGHT		LVR-30 OR EQUAL			16AEM 2-54	FLUORESCENT	SAME AS M16A EXCEPT FIXTURE TO BE PROVIDED WITH EMERGENCY BATTERY PACK
M30 1-39	METAL HALIDE	(1)39-WATT COMPACT METAL HALIDE PAR 30 PHILLIPS OR EQUAL	277V	715-MH39PAR30- *_*-OSL-30- LVR-30 OR EQUAL	50	POC BRIDGE LEVEL	2-54	FLUORESCENT	SAME AS M32 EXCEPT FIXTURE TO BE PROVIDED WITH EMERGENCY BATTERY PACK
M31 3-28	FLUORESCENT	6"x12' LONG WALL-MOUNTED LINEAR FLUORESCENT UPLIGHT (3)28-WATT LINEAR FLUORESCENT T5 PHILIPS LAMP OR EQUAL	277V	ELLIPTIPAR F105-T228- MOUNTING-FINISH- 2-V00 OR EQUAL	110		M34A 1-28	FLUORESCENT	1' X 4' LINEAR DOWNLIGHT LENSED TROFFER (1) 28T5S PHILLIPS OR EQUAL
M32 2-54	FLUORESCENT	6"x4' SURFACE–MOUNTED LINEAR FLUORESCENT STRIP LIGHT WITH LENS (2)54–WATT LINEAR FLUORESCENT T5HO PHILIPS	277V	HE WILLIAMS 92-4-254T5H-A-WET/2	130	UNDERFLOOR	M34B 2-28	FLUORESCENT	1' X 4' LINEAR DOWNLIGHT LENSED TROFFER (1) 28T5S PHILLIPS OR EQUAL
	FLUORESCENT	LAMP OR EQUAL 2'x4' RECESSED-MOUNTED LINEAR FLUORESCENT		-EB1-277 OR EQUAL KENALL HASEF124-2-F54TSH0-		SECURE	M35A 3-54	FLUORESCENT	1' X 4' LINEAR DOWNLIGHT LENSED TROFFER (2) 54T5H PHILLIPS OR EQUAL
M33 2-32		SECURE ACCESS LENSED TROFFER (2)32-WATT LINEAR FLUORESCENT T5 PHILIPS OR EQUAL	277V	EB-1-277-FRAME- HOUSING-1 OR EQUAL	130	INTERVIEW ROOM	M36 3-28	FLUORESCENT	2' X 4' LINEAR DOWNLIGHT LENSED TROFFER (3) 28T5S PHILLIPS OR EQUAL
MX1 1-5	LED	SINGLE FACE EXIT SIGN, CAST ALUMINUM HOUSING CLEAR U-V STABLE POLY CARBONATE COVER WITH UNIVERSAL DIRECTIONAL CHEVRON KNOCKOUTS, LED LAMPS, WHITE ON WHITE FACEPLATE/HOUSING COLOR	120/ 277V		5		M37 2-32	FLUORESCENT	4' LINEAR FLUORESCENT WET LOCATION SURFACE MOUN LIGHT FIXTURE. (2) F32T8, W/ ELECTRONIC BALLAST A OPTIONAL BATTERY PACK FOR EMERGENCY UNITS.
MX2		GREEN COLOR LETTERING, DUAL VOLTAGE RATED OR EQUAL SAME AS MX1 EXCEPT DOUBLE FACE OR EQUAL	120/		5		M38 2-42	LED	2' X 4' LINEAR DOWNLIGHT LENSED TROFFER (3) 28T5S PHILLIPS OR EQUAL
MX2 1-5	LED		277́V				M39 3-28	FLUORESCENT	2' X 4' LINEAR DOWNLIGHT LENSED TROFFER (3) 28T5S PHILLIPS OR EQUAL
M1EM 1-28	FLUORESCENT	SAME AS M1 EXCEPT FIXTURE TO BE PROVIDED WITH EMERGENCY BATTERY PACK	277V		40		M40 2-26	FLUORESCENT	10" APERTURE OPEN DOWNLIGHT WITH 6" SEMI REFLEC
M2EM 1-70	METAL HALIDE	SAME AS M2 EXCEPT FIXTURE TO BE PROVIDED WITH QUARTZ RESTRIKE	277V		85		M41 1-150	METAL HALIDE	TRUSS-MOUNTED METAL HALIDE UPLIGHT. 1-150W
2-54	FLUORESCENT	SAME AS M4A EXCEPT FIXTURE TO BE PROVIDED WITH EMERGENCY BATTERY PACK	277V		130				
4-54	FLUORESCENT	SAME AS M4B EXCEPT FIXTURE TO BE PROVIDED WITH EMERGENCY BATTERY PACK	277V		260				
4-54	FLUORESCENT	SAME AS M4D	277V		260				
M6EM 2-32	FLUORESCENT	SAME AS D4	277V		70				
M6EM 1-70	METAL HALIDE	SAME AS M6 EXCEPT FIXTURE TO BE PROVIDED WITH QUARTZ RESTRIKE	277V		85				
M7EM 1-70	METAL HALIDE	SAME AS M7 EXCEPT FIXTURE TO BE PROVIDED WITH QUARTZ RESTRIKE	277V		85				
		G. LALWANI G. MARAVILLA	FESSIONAL L.N.		nska nmick	436 California Circle Iipitas, California 95035			BART
20130710		S FOR CONSTRUCTION	1904 231/14 2TRICAL	Affili Verma ASSOCiat 1970 Broadway, Suite 525 Ookland, CA 9461 Phone: (510) 655-2537 Fox: (510) 535-233					SILICON VALLEY
DATE BY	SUB APP	DESCRIPTION 20130710	CALIFO	SUBMITTED	A	PROVED <u>Kyl40</u>	NIM I II		BART SILICON VALLEY BERRYESSA EXTENSION

	VOLTAGE	MFR CAT NUMBER	INPUT POWER (VA)	REMARK & MOUNTING
	277V		130	
	277V		70	
	277V		130	
	277V		130	
	277V	HE WILLIAMS 50-F-S-1-4-128T5S -S-A-A12125-EB2-277	35	RECESSED
	277V	HE WILLIAMS 50-F-S-1-4-228T5S -S-A-A12125-EB2-277	70	RECESSED
	277V	HE WILLIAMS 50-F-S-1-4-254T5S -S-A-A12125-EB2-277	135	RECESSED
	277V	HE WILLIAMS 50-F-S-2-4-328T5S -S-A-A12125-EB2-277	105	RECESSED
UNTED T AND	277V	LITHONIA EIS-2-32-PCL-277 -GEB10IS-STSW -EL14DW (OPTIONAL)	95	RECESSED
	277V	HE WILLIAMS 50-F-S-2-4-328T5S -S-A-A12125-EB2-277	105	RECESSED
	277V	HE WILLIAMS 50-F-S-2-4-328T5S -S-A-A12125-EB2-277	105	RECESSED
ECTOR	277V	GOTHAM LIGHTING		
	277V	LITHONIA	150	
		Santa Clara Valley Tran	sportation A	athority
		MAKE CORRECTION	ONS NOTED	(MCN)
		Any action shown above is subjec and does not relieve the Contrac under the contract, includin	ctor of any of	its obligations
		Contract No.: DB11	1002F	
		By:	Date:	
			0.07	
LINE,		K, STATIONS AND SYSTEM		FILENAME 700-S-DB-E516.dwg
	D	ESIGN UNIT 023 MILPITAS STATION	D	SCALE NONE
			CONTR	C700 REV.
	LIGH	TING FIXTURE SCHEDULE SHEET 2 OF 2	AREA D	CODE SHEET NO. PAGE
		JALLI Z UF Z	י די	

LOCATION: ELEC RM#2 (Concourse Level, Col. A/4.5)			PANEL L13 NORMAL		MO	DUNTING: SURFACE	LOCATION:	ELEC RM#4 (Platform #2 Level, Col. A/6.5)			PANEL L15 NORMAL	I	OUNTING: SURFACE
	COL #1 VO	L-AMPS		COL #2 VOL	-AMPS DESCRIPTION	AMP NO	CKT TRIP NO AMP	DESCRIPTION	COL #1 VOL-	-AMPS C	COL #2 \	DESCRIPTION	SU TRIP CKT
1 20 1 (6) M6, COL 6-7/A-B.5 3 20 1 (7) M6, COL 7.6-9.3/A-B	510 595			1190 650	(15) M12, NORTH PARAPET LIGHTS (5) M4A, STAIR VENT RM. M02	II 20 2 1 20 4	1 20 3 20	PLATFORM #2, TRACK LEVEL CHASE LIGHTING NORTH CONCOURSE STAIR & NORTH PLATFORM	1690 980		1320	NORTH SLPA ENCL (11 M1) LIGH 20 NORTH SLPA ENCL (11 M1) LIGH	
5 20 1 (8) M6, COL 10-12.5/A-B.5		765			650 (5) M4A, STAIR VENT RM. M02	1 20 4	5 20	1 NORTH PLATFORM COL. $4-8/A-B.5$, STAIR #6	6	2065		1200 NORTH SLPA ENCL (10 M1) LIGH	
7 20 1 (5) M13, COL 7-10/A-B.5	2400			6691	AHU-12	3 35 8	7 20	1 NORTH PLATFORM (M36) COL. 4-8/A-B.5	2340		2880	NORTH SLPA ENCL (24 M1) LIGH	rs 1 20 8
9 20 1 (8) M17, COL 8-9/A-B.5	720			6691		10	9 20	1 NORTH PLATFORM (M36) COL. 8–10/A–B.5	2880	1015	28		
11 20 1 SPARE 13 20 1 TRAIN CONTROL/COMM. RM. C18	1690			:	6691 SPARE	12 1 20 14	11 20 13 20	1 NORTH PLATFORM (M5) COL. 17.5-23/A-B.5 1 NORTH PLATFORM COL. 4-10.5/A-B.5	880	1015	3000	3000 NORTH SLPA ENCL (25 M1) LIGH EWH-2, COL 2.25/B	rs 1 20 12 1 20 14
15 20 1 RMS. C22, C23, C46, C26–C29	3210)			(11) M25 SOUTH PERIMETER LIGHT		15 20	1 NORTH PLATFORM COL. 4-10.3/A-B.5	2740			00 EWH-2, COL 8/A.5	1 20 14
17 20 1 RMS C15, C25, C16, C19		2600		<u></u>	(9) M25 NORTH PERIMETER LIGHTS		17 20	1 NORTH PLATFORM COL. 12–17.5/A–B.5		1965		3000 EWH-2, COL 20.6/B	1 20 18
19 20 1 SPARE				2310	ACU-12	3 20 20	19 20	1 NORTH PLATFORM COL. 7.5-11/A-B.5	540			SPARE	1 20 20
21 20 1 RMS C03, C37, C38, C45	2190	_		2310		22	21 20	1 NORTH PLATFORM COL. 7.5-11/A-B.5	540			SPARE	1 20 22
23 20 1 RMS C24, C41, C28, C32-C34, C01	6000	2460			2310	24	23 20	1 NORTH PLATFORM COL. 7.5-11/A-B.5		1300		SPARE	1 20 24
25 20 1 EWH-3, COL 3/B.4 27 20 SPARE	6000			2018 2018	AHU-10	3 25 26	25 20 27 20	1 SPARE				SPARE SPARE	1 20 26 1 20 28
29 20 SPARE				2010	2018	30	29 20	1 SPARE				SPARE	1 20 30
31 25 3 AHU-11	2018		<i></i>	3984	ACU-10	3 25 32	31 20	1 SPARE				SPARE	1 20 32
33	2018			3983		34	33						34
35		2018			3983	36	35						36
37 25 3 ACU-11	3984			2310	ROLLING GRILLE C/02B	3 20 38	37						38
39 – – – – – – – – – – – – – – – – – – –	3984			2310		40	39 41						40
41 – – – – – – – – – – – – – – – – – – –	16602 1271	3984		18503 17962	2310 17962 SUB TOT		41	SUB TOTAL	6450 7140	6345	7200 72	00 7200 SUB T	
	100021271	·			Sánta Clara Valley Transportation Authority		VOLTAGE		0430 7140				
VOLTAGE: 480/227V,3P,4W MAINS: 225A MAIN LUGS ONLY		3510	5 30679	<u>29789</u>	NO EXCEPTIONS TAKEN (NET)		MAINS: 10	480/227V,3P,4W DA CB		13650			
MIN IC: 22,000A TOTAL 3	PHASE CONNECTE	D 95.5	7 KVA [114.9 AMPS	MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R)		MIN IC: 22		SE CONNECTED	41.5	KVA 50.0 AM	PS	
					Any action shown above is subject to the terms of the contract								
					and does not relieve the Contractor of any of its obligations under the contract, including design and detailing.								
					Contract No.: DB11002F								
LOCATION: ELEC RM#1 (Concourse Leve, I Col. D/10.5))	I	PANEL L14 NORMAL		By: Date: MO	DUNTIN <mark>G: S</mark> URFACE	LOCATION:	ELEC RM#3 (Platform #1 Level, Col. D/6.5)			ANEL L151 NORMAL	,	OUNTING: SURFACE
	COL #1 VO	L-AMPS		COL #2 VOL	-AMPS DESCRIPTION		CKT TRIP	DESCRIPTION	COL #1 VOL-	-AMPS	COL #2 \	OL-AMPS DESCRIPTION	Щ TRIP CKT
	A B	С		A B	С		NO AMP		A B	С	A E	3 C	
1 20 1 (6) M6, COL 6-7/B.5-D 3 20 1 (7) M6, COL 8-9.5/C-D	510 595			1020 650	(12) M12, NORTH PARAPET LIGHTS (5) M4A, STAIR VENT RM. M01	1 20 2 1 20 4	1 20 3 20	1 PLATFORM #1, TRACK LEVEL CHASE LIGHTING 1 SOUTH CONCOURSE STAIR & SOUTH PLATFORM	1690 980		1320	20 SOUTH SLPA ENCL (11 M1) LIGH	
5 20 1 (8) M6, COL 10-12.5/B.5-D		680			650 (5) M4A, STAIR VENT RM. MOT	1 20 4	5 20	1 NORTH PLATFORM COL. 4-8/A-B.5, STAIR #5	500	2065		1200 SOUTH SLFA ENCL (11 MT) LIGF	
7 20 1 (5) M13, COL 7–10/B.5–D													
	1440			3025	RMS C03, C06, C44, POC2, POC3, F	POC5 1 20 8	7 20	1 SOUTH PLATFORM (M36) COL. 4–8/A–B.5	2340		2880	SOUTH SLPA ENCL (24 M1) LIGH	
9 20 1 (8) M17, COL 8-9/C	1440 720			3025 2615		08 1 20 10	9 20	1 SOUTH PLATFORM (M36) COL. 4-8/A-B.5 1 SOUTH PLATFORM (M36) COL. 8-10/A-B.5	2880		2880 28	SOUTH SLPA ENCL (24 M1) LIGH 00 SOUTH SLPA ENCL (24 M1) LIGH	rs 1 20 8 rs 1 20 10
11 20 1 (5) M6, (6)M2 COL 9.5-11.5/D-E.5	720	935		2615	RMS C01, C11, C12, C42, C10, C SPARE	:08 1 20 10 1 20 12	9 20 11 20	1 SOUTH PLATFORM (M36) COL. 4-8/A-B.5 1 SOUTH PLATFORM (M36) COL. 8-10/A-B.5 1 SOUTH PLATFORM (M5) COL. 17.5-23/A-B.5	2880	1015	28	00 SOUTH SLPA ENCL (24 M1) LIGH 3000 SOUTH SLPA ENCL (25 M1) LIGH	I 20 8 IS 1 20 10 IS 1 20 12
11 20 1 (5) M6, (6)M2 COL 9.5–11.5/D–E.5 13 20 1 (16) M14, SKYLIGHT AREA LIGHTING				2615 796	RMS C01, C11, C12, C42, C10, C SPARE ROLLING GRILLE C/02E	:08 1 20 10 1 20 12 1 20 14	92011201320	1 SOUTH PLATFORM (M36) COL. 4-8/A-B.5 1 SOUTH PLATFORM (M36) COL. 8-10/A-B.5 1 SOUTH PLATFORM (M5) COL. 17.5-23/A-B.5 1 SOUTH PLATFORM COL. 4-10.5/A-B.5	2880 5 880		28 28 3000	00 SOUTH SLPA ENCL (24 M1) LIGH 3000 SOUTH SLPA ENCL (25 M1) LIGH EWH-2, COL 2.25/D EWH-2	I 20 8 IS 1 20 10 IS 1 20 12 I 20 14
11 20 1 (5) M6, (6)M2 COL 9.5–11.5/D–E.5 13 20 1 (16) M14, SKYLIGHT AREA LIGHTING 15 20 1 SPARE SPARE SPARE	720			2615	RMS C01, C11, C12, C42, C10, C SPARE ROLLING GRILLE C/02E	1 20 10 1 20 12 1 20 14 1 20 16	920112013201520	1 SOUTH PLATFORM (M36) COL. 4-8/A-B.5 1 SOUTH PLATFORM (M36) COL. 8-10/A-B.5 1 SOUTH PLATFORM (M5) COL. 17.5-23/A-B.5 1 SOUTH PLATFORM COL. 4-10.5/A-B.5 1 SOUTH PLATFORM COL. 8-11/A-B.5	2880 880 2740	1015	28 28 3000	00 SOUTH SLPA ENCL (24 M1) LIGH 3000 SOUTH SLPA ENCL (25 M1) LIGH EWH-2, COL 2.25/D 00 EWH-2, COL 8/C.5	I 20 8 IS 1 20 10 IS 1 20 12 I 20 14 I 20 16
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11 20 1 (5) M6, (6)M2 COL 9.5–11.5/D–E.5 13 20 1 (16) M14, SKYLIGHT AREA LIGHTING 15 20 1 SPARE 1 1 SPARE 17 20 1 SPARE 1 SPARE 20 1 SPARE 2 2 1 SPARE 21 20 1 SPARE 2 2 1 SPARE 23 20 1 SPARE 2 2 1 SPARE 25 20 1 SPARE 2 2 1 SPARE 27 20 1 SPARE 2 3	720			2615 796	RMS C01, C11, C12, C42, C10, CSPAREROLLING GRILLE C/02E796SPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARE	1 20 10 1 20 12 1 20 14 1 20 16 1 20 18 1 20 20 1 20 20 1 20 22 1 20 24 1 20 28	9 20 11 20 13 20 15 20 17 20 19 20 21 20 23 20 25 20 27 20	1 SOUTH PLATFORM (M36) COL. 4-8/A-B.5 1 SOUTH PLATFORM (M36) COL. 8-10/A-B.5 1 SOUTH PLATFORM (M36) COL. 17.5-23/A-B.5 1 SOUTH PLATFORM COL. 4-10.5/A-B.5 1 SOUTH PLATFORM COL. 8-11/A-B.5 1 SOUTH PLATFORM COL. 12-17.5/A-B.5 1 SOUTH PLATFORM COL. 7.5-11/A-B.5 1 SPARE 1 SPARE 1	2880 880 2740 540	1015 1965	28 28 3000	00 SOUTH SLPA ENCL (24 M1) LIGH 3000 SOUTH SLPA ENCL (25 M1) LIGH EWH-2, COL 2.25/D EWH-2, COL 2.25/D 00 EWH-2, COL 8/C.5 3000 EWH-2, COL 20.6/D SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	I 20 8 IS 1 20 10 IS 1 20 12 I 20 14 I 20 16 I 20 18 I 20 20 I 20 22 I 20 24 I 20 26 I 20 28
11 20 1 (5) M6, (6)M2 COL 9.5–11.5/D–E.5 13 20 1 (16) M14, SKYLIGHT AREA LIGHTING 15 20 1 SPARE 1 1 SPARE 17 20 1 SPARE 1 SPARE 21 20 1 SPARE 1 SPARE 23 20 1 SPARE 1 SPARE 25 20 1 SPARE 1 SPARE 27 20 1 SPARE 1 SPARE 29 20 1 SPARE 1 SPARE	720			2615 796	RMS C01, C11, C12, C42, C10, C SPARE ROLLING GRILLE C/02E 796 SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	1 20 10 1 20 12 1 20 14 1 20 16 1 20 18 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30	9 20 11 20 13 20 15 20 17 20 19 20 21 20 23 20 25 20 27 20 29 20	1 SOUTH PLATFORM (M36) COL. 4-8/A-B.5 1 SOUTH PLATFORM (M36) COL. 8-10/A-B.5 1 SOUTH PLATFORM (M36) COL. 17.5-23/A-B.5 1 SOUTH PLATFORM COL. 4-10.5/A-B.5 1 SOUTH PLATFORM COL. 8-11/A-B.5 1 SOUTH PLATFORM COL. 12-17.5/A-B.5 1 SOUTH PLATFORM COL. 7.5-11/A-B.5 1 SPARE 1 SPARE 1	2880 880 2740 540	1015 1965	28 28 3000	00 SOUTH SLPA ENCL (24 M1) LIGH 3000 SOUTH SLPA ENCL (25 M1) LIGH EWH-2, COL 2.25/D EWH-2, COL 2.25/D 00 EWH-2, COL 8/C.5 3000 EWH-2, COL 20.6/D SPARE SPARE SPARE SPARE SPARE SPARE	I 20 8 IS 1 20 10 IS 1 20 12 I 20 14 1 20 16 1 20 18 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30
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11 20 1 (5) M6, (6)M2 COL 9.5–11.5/D–E.5 13 20 1 (16) M14, SKYLIGHT AREA LIGHTING 15 20 1 SPARE 1 15 20 1 SPARE 17 20 1 SPARE 1 1 1 20 1 SPARE 2 20 1 SPARE 23 20 1 SPARE 2 2 1 SPARE 25 20 1 SPARE 2 2 1 SPARE 27 20 1 SPARE 2 3 1 3 33 3 <td>720</td> <td></td> <td></td> <td>2615 796</td> <td>RMS C01, C11, C12, C42, C10, CSPAREROLLING GRILLE C/02E796SPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARE</td> <td>1 20 10 1 20 12 1 20 14 1 20 16 1 20 18 1 20 20 1 20 20 1 20 22 1 20 24 1 20 26 1 20 30 1 20 30 1 20 34 36 36</td> <td>9 20 11 20 13 20 15 20 17 20 19 20 21 20 23 20 25 20 27 20 29 20 31</td> <td>1 SOUTH PLATFORM (M36) COL. 4-8/A-B.5 1 SOUTH PLATFORM (M36) COL. 8-10/A-B.5 1 SOUTH PLATFORM (M36) COL. 17.5-23/A-B.5 1 SOUTH PLATFORM COL. 4-10.5/A-B.5 1 SOUTH PLATFORM COL. 8-11/A-B.5 1 SOUTH PLATFORM COL. 12-17.5/A-B.5 1 SOUTH PLATFORM COL. 7.5-11/A-B.5 1 SPARE 1 SPARE 1</td> <td>2880 880 2740 540</td> <td>1015 1965</td> <td>28 28 3000</td> <td>00 SOUTH SLPA ENCL (24 M1) LIGH 3000 SOUTH SLPA ENCL (25 M1) LIGH EWH-2, COL 2.25/D EWH-2, COL 2.25/D 00 EWH-2, COL 8/C.5 3000 EWH-2, COL 20.6/D SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE</td> <td>I 20 8 I 20 10 I 20 12 I 20 14 I 20 14 I 20 16 I 20 18 I 20 20 I 20 22 I 20 24 I 20 26 I 20 30 I 20 30 I 20 34 I 36 I 38</td>	720			2615 796	RMS C01, C11, C12, C42, C10, CSPAREROLLING GRILLE C/02E796SPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARESPARE	1 20 10 1 20 12 1 20 14 1 20 16 1 20 18 1 20 20 1 20 20 1 20 22 1 20 24 1 20 26 1 20 30 1 20 30 1 20 34 36 36	9 20 11 20 13 20 15 20 17 20 19 20 21 20 23 20 25 20 27 20 29 20 31	1 SOUTH PLATFORM (M36) COL. 4-8/A-B.5 1 SOUTH PLATFORM (M36) COL. 8-10/A-B.5 1 SOUTH PLATFORM (M36) COL. 17.5-23/A-B.5 1 SOUTH PLATFORM COL. 4-10.5/A-B.5 1 SOUTH PLATFORM COL. 8-11/A-B.5 1 SOUTH PLATFORM COL. 12-17.5/A-B.5 1 SOUTH PLATFORM COL. 7.5-11/A-B.5 1 SPARE 1 SPARE 1	2880 880 2740 540	1015 1965	28 28 3000	00 SOUTH SLPA ENCL (24 M1) LIGH 3000 SOUTH SLPA ENCL (25 M1) LIGH EWH-2, COL 2.25/D EWH-2, COL 2.25/D 00 EWH-2, COL 8/C.5 3000 EWH-2, COL 20.6/D SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	I 20 8 I 20 10 I 20 12 I 20 14 I 20 14 I 20 16 I 20 18 I 20 20 I 20 22 I 20 24 I 20 26 I 20 30 I 20 30 I 20 34 I 36 I 38
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11 20 1 (5) M6, (6)M2 COL 9.5–11.5/D–E.5 13 20 1 (16) M14, SKYLIGHT AREA LIGHTING 15 20 1 SPARE 1 10 M14, SKYLIGHT AREA LIGHTING 15 20 1 SPARE 2 20 1 SPARE 21 20 1 SPARE 2 20 1 SPARE 23 20 1 SPARE 2 20 1 SPARE 25 20 1 SPARE 2 2 1 SPARE 27 20 1 SPARE 3 3 3 3 33 1	720 1280 1315 PHASE 1315 PHASE 0ESIG 0ESIG 0ESIG 0ESIG 0ESIG	ED BY ALWANI BY ARAVILL	7 KVA [2615 796 796 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RMS C01, C11, C12, C42, C10, C SPARE ROLLING GRILLE C/02E 796 SPARE SPARE <	California Circle California Circle California Circle Scalifornia Sp035	9 20 11 20 13 20 15 20 17 20 19 20 21 20 23 20 25 20 27 20 29 20 31 33 35 37 39 41 VOLTAGE: - 10 WAINS: 10	1 SOUTH PLATFORM (M36) COL. 4-8/A-B.5 1 SOUTH PLATFORM (M36) COL. 8-10/A-B.5 1 SOUTH PLATFORM (M5) COL. 17.5-23/A-B.5 1 SOUTH PLATFORM COL. 4-10.5/A-B.5 1 SOUTH PLATFORM COL. 8-11/A-B.5 1 SOUTH PLATFORM COL. 12-17.5/A-B.5 1 SOUTH PLATFORM COL. 7.5-11/A-B.5 1 SPARE 1 SUB TOTAL 480/227V,3P,4W OA CB 000A TOTAL 3 PHAS	2880 880 2740 540 540 7540 7540 7540 7540 7540 754	1015 1965 1300 6345 13650 0 41.5	28 3000 300 300 300 300 300 300 300 300 3	00 SOUTH SLPA ENCL (24 M1) LIGH 3000 SOUTH SLPA ENCL (25 M1) LIGH EWH-2, COL 2.25/D EWH-2, COL 2.25/D 00 EWH-2, COL 2.25/D 00 EWH-2, COL 20.6/D SPARE SPARE	I 20 8 IS 1 20 10 IS 1 20 12 I 20 14 I 20 14 I 20 14 I 20 14 I 20 16 I 20 18 I 20 20 I 20 22 I 20 24 I 20 26 I 20 30 I 20 30 I 20 36 I 20 38 I 40 42 VTAL I 20
11 20 1 (5) M6, (6)M2 COL 9.5–11.5/D–E.5 13 20 1 (16) M14, SKYLIGHT AREA LIGHTING 15 20 1 SPARE 1 10 M14, SKYLIGHT AREA LIGHTING 15 20 1 SPARE 2 20 1 SPARE 21 20 1 SPARE 2 20 1 SPARE 23 20 1 SPARE 2 20 1 SPARE 25 20 1 SPARE 2 2 1 SPARE 27 20 1 SPARE 3 3 3 3 33 1	720 1280 1315 PHASE 1315 PHASE 0ESIG 0ESIG 0ESIG 0ESIG 0ESIG	935 935 101 101 101 101 101 101 101 10	7 KVA [2615 796 796 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RMS C01, C11, C12, C42, C10, C SPARE ROLLING GRILLE C/02E 796 SPARE SPARE <	Colifornia Circle colifornia Circle status	9 20 11 20 13 20 15 20 17 20 19 20 21 20 23 20 25 20 27 20 29 20 31 33 35 37 39 41 VOLTAGE: 10 MIN IC: 22	1 SOUTH PLATFORM (M36) COL. 4-8/A-B.5 1 SOUTH PLATFORM (M36) COL. 8-10/A-B.5 1 SOUTH PLATFORM (M5) COL. 17.5-23/A-B.5 1 SOUTH PLATFORM COL. 4-10.5/A-B.5 1 SOUTH PLATFORM COL. 8-11/A-B.5 1 SOUTH PLATFORM COL. 12-17.5/A-B.5 1 SOUTH PLATFORM COL. 12-17.5/A-B.5 1 SOUTH PLATFORM COL. 7.5-11/A-B.5 1 SPARE 1 SUB TOTAL 480/227V,3P,4W 0A CB 000A TOTAL 3 PHAS	2880 880 2740 540 540 7540 7540 7540 7540 7540 754	1015 1965 1300 6345 13650 0 41.5	28 3000 300 300 300 300 300 300 300 300 3	00 SOUTH SLPA ENCL (24 M1) LIGH 3000 SOUTH SLPA ENCL (25 M1) LIGH EWH-2, COL 2.25/D EWH-2, COL 2.25/D 00 EWH-2, COL 20.6/D SPARE SPARE SPARE SPARE <t< td=""><td>INAME I 20 8 TS 1 20 10 TS 1 20 12 1 20 14 1 20 14 1 20 16 1 20 18 1 20 20 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30 2 30 32 3 34 40 42 DTAL VONE</td></t<>	INAME I 20 8 TS 1 20 10 TS 1 20 12 1 20 14 1 20 14 1 20 16 1 20 18 1 20 20 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30 2 30 32 3 34 40 42 DTAL VONE
11 20 1 (5) M6, (6)M2 COL 9.5–11.5/D–E.5 13 20 1 (16) M14, SKYLIGHT AREA LIGHTING 15 20 1 SPARE 1 10 M14, SKYLIGHT AREA LIGHTING 15 20 1 SPARE 2 20 1 SPARE 21 20 1 SPARE 2 20 1 SPARE 23 20 1 SPARE 2 20 1 SPARE 25 20 1 SPARE 2 2 1 SPARE 27 20 1 SPARE 3 3 3 3 33 1	720 1280 1315 PHASE CONNECTE DESIG DRAWE C. L DRAWE C. N. CHUCK	ED BY ALWANI BY ARAVILL	7 KVA [2615 796 796 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RMS C01, C11, C12, C42, C10, C SPARE ROLLING GRILLE C/02E 796 SPARE SPARE <	California Circle California Circle California Circle Scalifornia Sp035	9 20 11 20 13 20 15 20 17 20 19 20 21 20 23 20 25 20 27 20 29 20 31 33 35 37 39 41 VOLTAGE: 10 MIN IC: 22	1 SOUTH PLATFORM (M36) COL. 4-8/A-B.5 1 SOUTH PLATFORM (M36) COL. 8-10/A-B.5 1 SOUTH PLATFORM (M5) COL. 17.5-23/A-B.5 1 SOUTH PLATFORM COL. 4-10.5/A-B.5 1 SOUTH PLATFORM COL. 8-11/A-B.5 1 SOUTH PLATFORM COL. 12-17.5/A-B.5 1 SOUTH PLATFORM COL. 12-17.5/A-B.5 1 SOUTH PLATFORM COL. 7.5-11/A-B.5 1 SPARE 1 SUB TOTAL 480/227V,3P,4W 0A CB 000A TOTAL 3 PHAS	2880 880 2740 540 540 4 540 540 540 540 540	1015 1965 1300 6345 13650 0 41.5	28 3000 300 300 300 300 300 300 300 300 3	00 SOUTH SLPA ENCL (24 M1) LIGH 3000 SOUTH SLPA ENCL (25 M1) LIGH EWH-2, COL 2.25/D EWH-2, COL 2.25/D 00 EWH-2, COL 8/C.5 3000 EWH-2, COL 20.6/D SPARE SPARE OO 7200 SUB T 2'S SUB T 2'S SUB T 2'S SUB T 2'S SUB T	INAME 1 20 8 IS 1 20 10 IS 1 20 12 1 20 14 1 20 14 1 20 14 1 20 16 1 20 18 1 20 20 1 20 22 1 20 24 1 20 26 1 20 28 1 20 30 32 33 4 36 38 40 42 42 0 42 0 42 0 520.dwg LE NONE

	PANEL L15 NORMAL				MOUNTI	NG:	SURF	ACE
PS .		COL #2 VOL-AMPS			DESCRIPTION	OLES	TRIP AMP	CKT NO
		A	В	С		9	AWF	
		1320			NORTH SLPA ENCL (11 M1) LIGHTS	1	20	2
			1320		NORTH SLPA ENCL (11 M1) LIGHTS	1	20	4
55				1200	NORTH SLPA ENCL (10 M1) LIGHTS	1	20	6
_[:		2880			NORTH SLPA ENCL (24 M1) LIGHTS	1	20	8
			2800		NORTH SLPA ENCL (24 M1) LIGHTS	1	20	10
5				3000	NORTH SLPA ENCL (25 M1) LIGHTS	1	20	12
1		3000			EWH-2, COL 2.25/B	1	20	14
			3000		EWH-2, COL 8/A.5	1	20	16
55				3000	EWH-2, COL 20.6/B	1	20	18
					SPARE	1	20	20
-					SPARE	1	20	22
<u>, o</u>					SPARE	1	20	24
					SPARE	1	20	26
-					SPARE	1	20	28
-:					SPARE	1	20	30
-[:					SPARE	1	20	32
╡					SI / III	<u> </u>	20	34
-								36
-								38
								40
_[:								
ŀ								42
-5		7200	7200	7200	SUB TOTAL			
650	0 14340 1	3545						
1.5	KVA [50.0	AMPS					

F	PANEL L151 NORMAL				MOUNTI	NG:	SURF,	ACE
PS		COL #	¥2 VOL-		DESCRIPTION	POLES		СКТ
		A	В	С			AMP	NO
		1320	<u> </u>	<u> </u>	SOUTH SLPA ENCL (11 M1) LIGHTS	1	20	2
_	[['	1320	[!	SOUTH SLPA ENCL (11 M1) LIGHTS	1	20	4
65				1200	SOUTH SLPA ENCL (10 M1) LIGHTS	1	20	6
		2880			SOUTH SLPA ENCL (24 M1) LIGHTS	1	20	8
_			2800		SOUTH SLPA ENCL (24 M1) LIGHTS	1	20	10
15				3000	SOUTH SLPA ENCL (25 M1) LIGHTS	1	20	12
		3000			EWH-2, COL 2.25/D	1	20	14
			3000		EWH-2, COL 8/C.5	1	20	16
65				3000	EWH-2, COL 20.6/D	1	20	18
		· · · · ·			SPARE	1	20	20
					SPARE	1	20	22
00					SPARE	1	20	24
7					SPARE	1	20	26
					SPARE	1	20	28
					SPARE	1	20	30
					1	\vdash		32
						\vdash	<u> </u>	34
	[]							36
						\vdash		38
						\vdash		40
			<u> </u>			\vdash	<u> </u>	42
45	+	7200	7200	7200	SUB TOTAL	L1	LI	
	J ı		1200	1200				
<u>65</u>	50 14340 13	3545						
1.5	5 KVA [5	50.0	AMPS					
						_		

LOCATION: ELEC RM#2 (Concourse Level, Col. A/4.	5)	F	PANEL LA16 NORMAL		MOUN	ITING: SURFACE	LOCATION:	ELEC RM#1 (Concourse Level, Col. D/10.5)			ANEL LA17		MOUN	NTING: SURFACE
		#1 VOL-AMPS	-	#2 VOL-AMPS	DESCRIPTION		CKT TRIP	DESCRIPTION	COL #1 VOL			COL #2 VOL-AMF	DESCRIPTION	S TRIP CKT
	A	B C	Α	ВС		D AMP NO	NO AMP		A B	С		A B C		D AMP NO
1 20 1 (5) RECPT AT RMS. C15, C19, C31	900		120		(1) RECPT AT RM. C32 HAND DRYER			(3) RECPT AT RMS. C05, C14, C12	540			540	(3) RECPT AT RMS. C03, C06, C07	1 20 2
3 20 1 (5) RECPT AT RMS. C15, C19, C31, C	C25	900		1200	(1) RECPT AT RM. C33 HAND DRYER	1 20 4		(3) RECPT AT RMS. C14, C11	540			540	(3) RECPT AT RMS. C06, C07	1 20 4
5 20 1 (3) RECPT AT RMS. C24, C34, C35		540			(6) RECPT AT RMS. C24, C34, C35	1 20 6	5 20 1	(3) RECPT AT RMS. C10, C08		540			2 EF-17, SF-4, SF-5	1 20 6
7 20 1 (2) REC <mark>PT AT RMS. M02, M</mark> 04	360		900		(5) RECPT AT RMS. C38, M01, M03	1 20 8	7 20 1	(3) RECPT AT RMS. C10, C08, C02	540			208	AHU-14	2 20 8
9 20 1 (1) RECPT AT RM. C31 (WATER HEATE	ER)	1000		52	AHU-9	2 20 10	9 20 1	(3) RECPT AT RMS. C10, C08	540			208		10
11 20 1 IRRI <mark>GATIO</mark> N CON <mark>TROLLER R</mark> M. C19		500		52		12		PANEL LA171	5494			20	8 AHU-15	2 20 12
13 20 1 ROLLING GRILLE C/02A	1127		744		EF-12, EF-14	1 20 14	13 – –		2882			208		14
15 20 2 AHU-18		208		1300	EH-1	1 20 16	15 – –			1752			SPARE	2 20 16
17 – – – – – – – – – – – – – – – – – – –		208		1300		1 20 18	17 20 1	SPARE					SPARE	18
19 40 3 PANEL LA161	4964		744		EF-11, EF-13	1 20 20	19 20 1	SPARE				208	AHU-20	2 20 20
21		3704		1435	ACU-9	2 20 22	21 20 1	SPARE				208		22
23		1728		1435		24	23 20 1	SPARE				117	78 ROLLING GRILLE C/02D	1 20 24
25 20 1 SPARE			171	6	ACU-13	2 20 26	25 20 1	SPARE				1178	ROLLING GRILLE C/02F	1 20 26
27 20 1 SPARE				1716		28	27 20 1	SPARE				52	AHU-21	2 20 28
29 20 1 SPARE				1488	EF-16, EF-15, SF-3	1 20 30	29 20 1	SPARE				52	2	30
31 20 1 SPARE			1170	3	ROLLING GRILLE C/02C	1 20 32		SPARE				78	AHU-22	2 20 32
33 20 1 SPARE				208	AHU-16	2 20 34		SPARE				78		34
35 20 1 SPARE				208		36		SPARE					12 SF-7	1 20 36
37 20 1 SPARE			208		AHU-17	2 20 38	37 20 1	SPARE		[864	ROLL-UP DOOR POC/6	1 20 38
39 20 1 SPARE				208		40		SPARE					SPACE	1 20 40
41 20 1 SPARE					SF-6	1 20 42		SPARE					SPACE	1 20 42
SUB TOTAL	6164	5812 3012	661	6 6119 5935			11 20 1	SUB TOTAL	6574 3962	2292	•••••	3284 1294 407		
	10101				Conto Clore Velley Trenenentation Authority				0071 0002	· · · · · ·				
VOLTAGE: 208/120V,3P,4W		661	6 6119 5935	2	Santa Clara Valley Transportation Authority			08/120V,3P,4W		9858	3 5256 6	6362		
MAINS: 125A CB MIN IC: 22,000A TOTAL 3	3 PHASE CON	INECTED 33.6	6 KVA 93.43		NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN)		MAINS: 125, MIN IC: 22,0		ASE CONNECTE	D 21 4		59.61 AMPS		
	0 11//GE 001		0 10 10		AMEND AND RESUBMIT (A/R)							7.111 3		
LOCATION: ELEC RM#4 (Platform #2 Level, Col. A/	(6.5)	F	PANEL LA161		der the contract, including design and detailing. act No <u>.: DB11002F</u> Date: MOUN	NTING: SURFACE	LOCATION.	ELEC RM#3 (Platform #1 Level, Col. D/6.5)		P	ANEL LA171	1	MOU	NTING: SURFACE
			NORMAL	"							NORMAL			
	COL i	<pre>#1 VOL-AMPS</pre>	[COL	#2 VOL-AMPS	DECODIDITION									
					DESCRIPTION			DESCRIPTION	COL #1 VOL			COL #2 VOL-AMF	- DESCRIPTION	
	A	B C	A	B C		DO AMP NO	NO AMP of		A B	-AMPS C		АВС	DESCRIPTION	DO AMP NO
NO AMP Q 1 20 1 (4) RECPT AT COL. 2, 5, 8, 11 (IN COL. 2, 5, 8, 11)	A CHASE) 720		A 	B C	EF-2, SF-2, EF-4, EF-6	AMP NO 1 20 2	NO AMP O 1 20 1	(4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE	A B E) 720			· · · · · · · · · · · · · · · · · · ·	- DESCRIPTION	IIITRIPCKTOCAMPNO1202
1 20 1 (4) RECPT AT COL. 2, 5, 8, 11 (IN 0 3 20 1 (3) RECPT AT COL. 14, 17, 20 (IN C		540	A	B C		Image: AMP NO 1 20 2 1 20 4	NO AMP O 1 20 1 3 20 1	(4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE	A B E) 720			АВС	DESCRIPTION	DO AMP NO
I 20 1 (4) RECPT AT COL. 2, 5, 8, 11 (IN C 3 20 1 (3) RECPT AT COL. 14, 17, 20 (IN C 5 20 1 (4) RECPT AT. COL. 1, 2.5, RM. P24	HASE)		A	B C	EF-2, SF-2, EF-4, EF-6 AHU-2	Image: AMP NO 1 20 2	NO AMP O 1 20 1 3 20 1	(4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE	A B E) 720			A B C	DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1	Image: Delta AMP NO 1 20 2 2 20 4 - - 6
1 20 1 (4) RECPT AT COL. 2, 5, 8, 11 (IN C 3 20 1 (3) RECPT AT COL. 14, 17, 20 (IN C 5 20 1 (4) RECPT AT. COL. 14, 17, 20 (IN C 5 20 1 (4) RECPT AT. COL. 1, 2.5, RM. P24 7 7 20 1 (5) RECPT AT. COL. 2, 4, 5, RMS. P24 7	HASE) 4, P22 900	540	A	B C 4 52 52 52	EF-2, SF-2, EF-4, EF-6 AHU-2	d AMP NO 1 20 2 1 20 4 1 20 6 1 20 8	NO AMP R 1 20 1 3 20 1 5 20 1 7 20 1	(4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE (4) RECPT AT COL. 1, 2, 3 (6) RECPT AT COL. 4, 5, RMS. P23, P21	A B E) 720	C		A B C 1584 52	DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1	D AMP NO 1 20 2 2 20 4 - - 6 2 20 8
I 20 1 (4) RECPT AT COL. 2, 5, 8, 11 (IN C 3 20 1 (3) RECPT AT COL. 14, 17, 20 (IN C 5 20 1 (4) RECPT AT. COL. 1, 2.5, RM. P24	HASE) 4, P22 900	540	A 158-	B C 4 52 52 52	EF-2, SF-2, EF-4, EF-6 AHU-2 	Image: Delta	NO AMP R 1 20 1 3 20 1 5 20 1 7 20 1	(4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE (4) RECPT AT COL. 1, 2, 3	A B E) 720 540	C		A B C 1584 - - 52 - - 52 - -	DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2	d AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10
Image: Constraint of the state of	HASE) 4, P22 900 P16	540 720	A 158-	B C 4 52 52 52 52 52 52 52 52	EF-2, SF-2, EF-4, EF-6 AHU-2 AHU-6	D AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 10	NO AMP Description 1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1	(4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE (4) RECPT AT COL. 1, 2, 3 (6) RECPT AT COL. 4, 5, RMS. P23, P21	A B A B F) 720) 540 1080 900 B 900	C		A B C 1584 52 52 - 52 52 78 78 52	DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3	d AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12
Image: Constraint of the state of	HASE) 4, P22 900 P16	540 720 900 900	A 158-	B C 4 - 52 - 208 - 52 -	EF-2, SF-2, EF-4, EF-6 AHU-2 AHU-6 	AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 10 1 20 11	NO AMP Q 1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 13 20 1	 (4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE (4) RECPT AT COL. 1, 2, 3 (6) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT RMS. P21, P19, P17, P15 (5) RECPT AT RMS. P15, P13, P31, COL. 8 (4) RECPT BET. COL. 8-10 	A B 720 - 1080 - 900 -	C 720		A B C 1584 52 52 - 52 52 78 78 52	DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3	d AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12
Image: Constraint of the state of	HASE) 4, P22 900 P16 4, P32	540 720 900 900	Α 158- 20ε	B C 4 - 52 - 208 - 52 -	EF-2, SF-2, EF-4, EF-6 AHU-2 AHU-6 AHU-8	AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 10 1 20 11 1 20 12 1 20 14 1 20 16	NO AMP Q 1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 13 20 1 15 20 1	 (4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE (4) RECPT AT COL. 1, 2, 3 (6) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT RMS. P21, P19, P17, P15 (5) RECPT AT RMS. P15, P13, P31, COL. 8 	A B A B F) 720) 540 1080 900 B 900	C 720		A B C 1584 52 52 78 52 52 78 20 52	DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3 AHU-3 8 AHU-5	d AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16
Image: Constraint of the state of	HASE) 4, P22 900 P16 4, P32	540 540 900 900 900	Α 158- 20ε	B C 4 - 52 - 208 - 52 -	EF-2, SF-2, EF-4, EF-6 AHU-2 AHU-6 AHU-8	D AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 10 1 20 12 1 20 14 1 20 18	NO AMP Q 1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 13 20 1 15 20 1	 (4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE (4) RECPT AT COL. 1, 2, 3 (6) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT RMS. P21, P19, P17, P15 (5) RECPT AT RMS. P15, P13, P31, COL. 8 (4) RECPT BET. COL. 8-10 	A B A F 720 - 540 - 1080 - 900 - 720 -	C 720		A B C 1584 52 52 78 52 52 78 20 208	DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3 AHU-5 AHU-7	d AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18
Image: Constraint of the state of	HASE) 4, P22 900 P16 4, P32	540 540 900 900 900	Α 158- 20ε	B C 4 - 52 - 208 - 52 -	EF-2, SF-2, EF-4, EF-6 AHU-2 AHU-6 AHU-8 EF-8, EF-10	C AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 12 1 20 14 1 20 16 1 20 18 1 20 20	NO AMP Q 1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 15 20 1 15 20 1 15 20 1 15 20 1 17 20 1 19 20 1	(4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE (4) RECPT AT COL. 1, 2, 3 (6) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT RMS. P21, P19, P17, P15 (5) RECPT AT RMS. P15, P13, P31, COL. 8 (4) RECPT BET. COL. 8–10 (4) RECPT AT COL. 11, RM. P09 SPARE (2) (2) RECPT AT COL. 12, 13	A B A F 720 - 540 - 1080 - 900 - 720 -	C 720		A B C 1584 52 52 78 52 52 78 20 208 52 52 52	DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3 AHU-5 AHU-7	D AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18 1 20 20
Image: Constraint of the system Constraint of the system 1 20 1 (4) RECPT AT COL. 2, 5, 8, 11 (IN COLT 3 20 1 (3) RECPT AT COL. 14, 17, 20 (IN COLT 5 20 1 (4) RECPT AT COL. 14, 17, 20 (IN COLT 5 20 1 (4) RECPT AT COL. 14, 17, 20 (IN COLT 7 20 1 (5) RECPT AT COL. 1, 2.5, RM. P24 7 20 1 (5) RECPT AT COL. 2, 4, 5, RMS. P24 9 20 1 (5) RECPT AT COL. 2, 4, 5, RMS. P24 9 20 1 (5) RECPT AT COL. 2, 4, 5, RMS. P24 9 20 1 (5) RECPT AT COL. 3, RMS. P16, P14 13 20 1 (5) RECPT BET. COL. 8, RMS. P16 15 20 1 (4) RECPT AT COL. 10 & RM. P10 17 20 1 SPARE	HASE) 4, P22 900 P16 4, P32 900	540 540 900 900 900	Α 158- 20ε	B C 4 - 52 - 208 - 52 -	EF-2, SF-2, EF-4, EF-6 AHU-2 AHU-6 AHU-8 EF-8, EF-10 SPARE	C AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 12 1 20 14 1 20 16 1 20 18 1 20 20 1 20 20	NO AMP Column 1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 15 20 1 15 20 1 15 20 1 17 20 1 19 20 1 21 20 1	 (4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE (4) RECPT AT COL. 1, 2, 3 (6) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT RMS. P21, P19, P17, P15 (5) RECPT AT RMS. P15, P13, P31, COL. 8 (4) RECPT BET. COL. 8–10 (4) RECPT AT COL. 11, RM. P09 SPARE 	A B A B 720 - 1080 - 1080 900 720 - 720 - 720 - 720 - 720 -	C 720		A B C 1584 52 52 78 52 52 78 20 208 208 52 52 52 52 52	DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3 AHU-5 AHU-7 2	no 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18 1 20 20 1 20 20
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P01 SPARE SPARE <t< td=""><td>A B A B 720 540 1080 900 720 720 720 720 720 720 720 720 360 720 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360</td><td>C 720 720 720 720 720 720 720 720 720 720</td><td>1 2882 1 3 KVA [</td><td>A B C 1584 52 78 52 78 20 208 52 744 52 744 52 744 52 208 52 744 52 208 52 208 52 744 52 2014 10 2014 182 2614 182 28.1 AMPS</td><td>DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3 AHU-7 2 EF-7, EF-9 SPARE SPACE SPACE <tr< td=""><td>Image: constraint of the system AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30 1 20 30 1 20 32 1 20 33 1 20 34 2 0 40 3 40 42 - - - - - - - - - - - - - - - - - - - - -</td></tr<></td></t<>	A B A B 720 540 1080 900 720 720 720 720 720 720 720 720 360 720 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360	C 720 720 720 720 720 720 720 720 720 720	1 2882 1 3 KVA [A B C 1584 52 78 52 78 20 208 52 744 52 744 52 744 52 208 52 744 52 208 52 208 52 744 52 2014 10 2014 182 2614 182 28.1 AMPS	DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3 AHU-7 2 EF-7, EF-9 SPARE SPACE SPACE <tr< td=""><td>Image: constraint of the system AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30 1 20 30 1 20 32 1 20 33 1 20 34 2 0 40 3 40 42 - - - - - - - - - - - - - - - - - - - - -</td></tr<>	Image: constraint of the system AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30 1 20 30 1 20 32 1 20 33 1 20 34 2 0 40 3 40 42 - - - - - - - - - - - - - - - - - - - - -
Image: Constraint of the second sec	HASE) 4, P22 900 P16 4, P32 900 20 20 20 20 20 20 20 20 20 20 20 20 2	540 720 900 900 720 900 720 900 720 900 720 900 720 900 720 900 720 900 540 540 540 540 540 900 900 900 900 900 900 900 720 900 540 900 540 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900 900	A 158 208 208 52 52 52 52 52 52 52 52 52 52	B C 4 - 52 - 208 - 208 - 744 - 744 - 744 - - <t< td=""><td>EF-2, SF-2, EF-4, EF-6 AHU-2 AHU-6 EF-8, EF-10 SPARE SPARE SPARE SPARE SPACE</td><td>C AMP NO 1 20 2 1 20 4 1 20 6 1 20 6 1 20 8 1 20 10 1 20 12 1 20 14 1 20 16 1 20 18 1 20 22 1 20 28 1 20 30 2 330 32 3 34 36 1 40 42 1 40 42</td><td>NO AMP Column 1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 15 20 1 15 20 1 17 20 1 20 1 20 21 20 1 23 20 1 24 20 1 25 20 1 31 20 1 33 20 1 35 20 1 37 20 1 39 20 1 41 20 1 VOLTAGE: 2 2 MAINS: 50A MIN IC: 22,C</td><td>(4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE (4) RECPT AT COL. 1, 2, 3 (6) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT RMS. P21, P19, P17, P15 (5) RECPT AT RMS. P15, P13, P31, COL. 8 (4) RECPT BET. COL. 8–10 (4) RECPT AT COL. 11, RM. P09 SPARE (2) RECPT AT COL. 12, 13 (3) RECPT AT COL. 13.5, 16, RM. P01 SPARE SPARE <t< td=""><td>A B A B 720 540 1080 900 720 720 720 720 720 720 720 720 360 720 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360</td><td>C 720 720 720 720 720 720 720 720 720 720</td><td>1 2882 1 3 KVA [</td><td>A B C 1584 52 78 52 78 20 208 52 744 52 744 52 744 52 208 52 744 52 208 52 208 52 744 52 2014 10 2014 182 2614 182 28.1 AMPS</td><td>DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3 AHU-7 2 EF-7, EF-9 SPARE SPACE SPACE <tr< td=""><td>Image: constraint of the system AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30 1 20 30 1 20 32 1 20 33 1 20 34 2 0 40 3 40 42 - - - - - - - - - - - - - - - - - - - - -</td></tr<></td></t<></td></t<>	EF-2, SF-2, EF-4, EF-6 AHU-2 AHU-6 EF-8, EF-10 SPARE SPARE SPARE SPARE SPACE	C AMP NO 1 20 2 1 20 4 1 20 6 1 20 6 1 20 8 1 20 10 1 20 12 1 20 14 1 20 16 1 20 18 1 20 22 1 20 28 1 20 30 2 330 32 3 34 36 1 40 42 1 40 42	NO AMP Column 1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 15 20 1 15 20 1 17 20 1 20 1 20 21 20 1 23 20 1 24 20 1 25 20 1 31 20 1 33 20 1 35 20 1 37 20 1 39 20 1 41 20 1 VOLTAGE: 2 2 MAINS: 50A MIN IC: 22,C	(4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE (4) RECPT AT COL. 1, 2, 3 (6) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT RMS. P21, P19, P17, P15 (5) RECPT AT RMS. P15, P13, P31, COL. 8 (4) RECPT BET. COL. 8–10 (4) RECPT AT COL. 11, RM. P09 SPARE (2) RECPT AT COL. 12, 13 (3) RECPT AT COL. 13.5, 16, RM. P01 SPARE SPARE <t< td=""><td>A B A B 720 540 1080 900 720 720 720 720 720 720 720 720 360 720 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360</td><td>C 720 720 720 720 720 720 720 720 720 720</td><td>1 2882 1 3 KVA [</td><td>A B C 1584 52 78 52 78 20 208 52 744 52 744 52 744 52 208 52 744 52 208 52 208 52 744 52 2014 10 2014 182 2614 182 28.1 AMPS</td><td>DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3 AHU-7 2 EF-7, EF-9 SPARE SPACE SPACE <tr< td=""><td>Image: constraint of the system AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30 1 20 30 1 20 32 1 20 33 1 20 34 2 0 40 3 40 42 - - - - - - - - - - - - - - - - - - - - -</td></tr<></td></t<>	A B A B 720 540 1080 900 720 720 720 720 720 720 720 720 360 720 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360 360	C 720 720 720 720 720 720 720 720 720 720	1 2882 1 3 KVA [A B C 1584 52 78 52 78 20 208 52 744 52 744 52 744 52 208 52 744 52 208 52 208 52 744 52 2014 10 2014 182 2614 182 28.1 AMPS	DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3 AHU-7 2 EF-7, EF-9 SPARE SPACE SPACE <tr< td=""><td>Image: constraint of the system AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30 1 20 30 1 20 32 1 20 33 1 20 34 2 0 40 3 40 42 - - - - - - - - - - - - - - - - - - - - -</td></tr<>	Image: constraint of the system AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30 1 20 30 1 20 32 1 20 33 1 20 34 2 0 40 3 40 42 - - - - - - - - - - - - - - - - - - - - -
Image: Constraint of the second sec	HASE) 4, P22 900 P16 4, P32 900 20 20 20 20 20 20 20 20 20 20 20 20 2	540 720 900 900 720 540 540 720 540 540 540 540	A 158 208 208 52 52 52 52 52 52 52 52 52 52	B C 4 - 52 - 208 - 208 - 744 - 744 - 744 - - <t< td=""><td>EF-2, SF-2, EF-4, EF-6 AHU-2 AHU-6 EF-8, EF-10 SPARE SPARE SPARE SPARE SPACE</td><td>C AMP NO 1 20 2 1 20 4 1 20 6 1 20 6 1 20 8 1 20 10 1 20 12 1 20 14 1 20 16 1 20 16 1 20 20 1 20 20 1 20 26 2 28 30 3 32 34 4 40 38 4 40 42</td><td>NO AMP Column 1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 15 20 1 15 20 1 17 20 1 20 1 20 21 20 1 23 20 1 24 20 1 25 20 1 31 20 1 33 20 1 35 20 1 37 20 1 39 20 1 41 20 1 VOLTAGE: 2 2 MAINS: 50A MIN IC: 22,C</td><td>(4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE (4) RECPT AT COL. 1, 2, 3 (6) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT RMS. P21, P19, P17, P15 (5) RECPT AT RMS. P15, P13, P31, COL. 8 (4) RECPT BET. COL. 8–10 (4) RECPT AT COL. 11, RM. P09 SPARE (2) RECPT AT COL. 12, 13 (3) RECPT AT COL. 13.5, 16, RM. P01 SPARE SPARE <t< td=""><td>A B 720 540 1080 900 720 720 720 720 720 720 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200<</td><td>C 720 720 720 720 720 720 720 720 720 720</td><td>1 2882 1 3 KVA [</td><td>A B C 1584 52 78 52 78 20 208 20 208 52 744 52 744 52 744 52 208 52 744 52 208 52 208 52 744 52 204 52 205 744 205 20 2614 182 28.1 AMPS 752 28.1 AMPS AMPS</td><td>DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3 8 AHU-5 AHU-7 2 EF-7, EF-9 SPARE SPACE SPACE SPACE SUB TOTAL CADD FILENAM CADD FILENAM CADD FILENAM CADD FILENAM CADD FILENAM CADD FILENAM SCALE SCONTRACT NO. SCHEDULES</td><td>Image: constraint of the system AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30 1 20 30 1 20 32 1 20 33 1 20 34 2 0 40 3 40 42 - - - - - - - - - - - - - - - - - - - - -</td></t<></td></t<>	EF-2, SF-2, EF-4, EF-6 AHU-2 AHU-6 EF-8, EF-10 SPARE SPARE SPARE SPARE SPACE	C AMP NO 1 20 2 1 20 4 1 20 6 1 20 6 1 20 8 1 20 10 1 20 12 1 20 14 1 20 16 1 20 16 1 20 20 1 20 20 1 20 26 2 28 30 3 32 34 4 40 38 4 40 42	NO AMP Column 1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 15 20 1 15 20 1 17 20 1 20 1 20 21 20 1 23 20 1 24 20 1 25 20 1 31 20 1 33 20 1 35 20 1 37 20 1 39 20 1 41 20 1 VOLTAGE: 2 2 MAINS: 50A MIN IC: 22,C	(4) RECPT AT COL. 2, 5, 8, 11 (IN CHASE (3) RECPT AT COL. 14, 17, 20 (IN CHASE (4) RECPT AT COL. 1, 2, 3 (6) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT COL. 4, 5, RMS. P23, P21 (5) RECPT AT RMS. P21, P19, P17, P15 (5) RECPT AT RMS. P15, P13, P31, COL. 8 (4) RECPT BET. COL. 8–10 (4) RECPT AT COL. 11, RM. P09 SPARE (2) RECPT AT COL. 12, 13 (3) RECPT AT COL. 13.5, 16, RM. P01 SPARE SPARE <t< td=""><td>A B 720 540 1080 900 720 720 720 720 720 720 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200<</td><td>C 720 720 720 720 720 720 720 720 720 720</td><td>1 2882 1 3 KVA [</td><td>A B C 1584 52 78 52 78 20 208 20 208 52 744 52 744 52 744 52 208 52 744 52 208 52 208 52 744 52 204 52 205 744 205 20 2614 182 28.1 AMPS 752 28.1 AMPS AMPS</td><td>DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3 8 AHU-5 AHU-7 2 EF-7, EF-9 SPARE SPACE SPACE SPACE SUB TOTAL CADD FILENAM CADD FILENAM CADD FILENAM CADD FILENAM CADD FILENAM CADD FILENAM SCALE SCONTRACT NO. SCHEDULES</td><td>Image: constraint of the system AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30 1 20 30 1 20 32 1 20 33 1 20 34 2 0 40 3 40 42 - - - - - - - - - - - - - - - - - - - - -</td></t<>	A B 720 540 1080 900 720 720 720 720 720 720 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 540 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200 360 200<	C 720 720 720 720 720 720 720 720 720 720	1 2882 1 3 KVA [A B C 1584 52 78 52 78 20 208 20 208 52 744 52 744 52 744 52 208 52 744 52 208 52 208 52 744 52 204 52 205 744 205 20 2614 182 28.1 AMPS 752 28.1 AMPS AMPS	DESCRIPTION EF-1, SF-1, EF-3, EF-5 AHU-1 2 AHU-3 8 AHU-5 AHU-7 2 EF-7, EF-9 SPARE SPACE SPACE SPACE SUB TOTAL CADD FILENAM CADD FILENAM CADD FILENAM CADD FILENAM CADD FILENAM CADD FILENAM SCALE SCONTRACT NO. SCHEDULES	Image: constraint of the system AMP NO 1 20 2 2 20 4 - - 6 2 20 8 - - 10 2 20 12 - - 14 2 20 16 - - 18 1 20 20 1 20 22 1 20 24 1 20 28 1 20 30 1 20 30 1 20 32 1 20 33 1 20 34 2 0 40 3 40 42 - - - - - - - - - - - - - - - - - - - - -

I	PANEL LA17 NORMAL				MOUNTI	NG:	SURF	ACE				
PS		<u> </u>	2 VOL-		DESCRIPTION	POLES	TRIP AMP	CKT NO				
		A	В	С		6		NO				
		540			(3) RECPT AT RMS. C03, C06, C07	1	20	2				
_			540		(3) RECPT AT RMS. C06, C07	1	20	4				
0		I		1212	EF-17, SF-4, SF-5	1	20	6				
		208			AHU-14	2	20	8				
		,	208			-	<u> </u>	10				
			[]	208	AHU-15	2	20	12				
		208	[]			-1	<u> </u>	14				
52			[]	\square	SPARE	2	20	16				
		$ \square $	[]	\square	SPARE	_	<u> </u>	18				
		208	+	┌── †	AHU-20	2	20	20				
			208				_	22				
				1178	ROLLING GRILLE C/02D	1	20	24				
		1178	├ ──┦	<u>⊢</u> +	ROLLING GRILLE C/02F	1	20	26				
		, <u>.</u> .	52	├ ──┤	AHU-21	2	20	28				
		┌── ┤		52		۲ <u>۲</u>		30				
		78	───		AHU-22	2	20	32				
	-	<u>, </u>	78	├	AHU-22	4		34				
	-	I	- ^{/0}	1212		-		36				
	-		──′		SF-7	· ·	20					
		864	└── ′	┝───┦	ROLL-UP DOOR POC/6	1	20	38				
	-	⊢]	└── ′	\vdash	SPACE	1	20	40				
		<u> </u>	<u> </u>		SPACE	1	20	42				
92] I	3284	1294	4070	SUB TOTAL							
85	8 5256 6	6362										
1.4	17 KVA 59.61 AMPS											

Р	ANEL LA171 NORMAL				MOUN	ING:	SURF.	ACE
PS		1			DESCRIPTION	OLES	TRIP AMP	CKT NO
;		A	В	С		6	AMP	NO
		1584			EF-1, SF-1, EF-3, EF-5	1	20	2
			52		AHU-1	2	20	4
0				52		-	-	6
		78			AHU-3	2	20	8
			78			-	-	10
0				208	AHU-5	2	20	12
		208				-	-	14
			52		AHU-7	2	20	16
				52		-	-	18
		744			EF-7, EF-9	1	20	20
					SPARE	1	20	22
	·····				SPARE	1	20	24
	•••••				SPARE	1	20	26
					SPARE	1	20	28
					SPARE	1	20	30
	•••••				SPARE	1	20	32
					SPACE			34
					SPACE			36
					SPACE			38
					SPACE			40
					SPACE			42
10		2614	182	312	SUB TOTAL			
49	4 2882 1	752						
D.1	3 KVA 🗌	28.1	AMPS					

LOCATION: ANCILLARY BUILDING (PG&E Yard)	PANEL L115 NORMAL		MOUNTING: SURFACE	LOCATION: E	LEC RM#4 (Platform #2 Level, Col. A/6.5)		PANEL EL241 EMERGENCY			MOUNTING: SURFACE
		VOL-AMPS				COL #1 VOL		#2 VOL-AMPS		С TRIP CKT
CKT TRIP U NO AMP Q DESCRIPTION		B C DESCRIPTION		NO AMP	DESCRIPTION	A B	C A	B C	DESCRIPTION	IO AMP NO
1 20 1 (2) M37 LTS AT RMS. A-08 190	200	EXH FANS EF-25, EF-26	1 20 2		PLATFORM #2, TRACK LEVEL CHASE LIGHTIN				SPARE	1 20 2
3 20 1 (2) M37 LTS AT RMS. A=07 190 5 20 1 SPARE Image: Spare in the spare i		SPARE SPARE	1 20 4 1 20 6	3 20 1 5 20 1	NORTH PLATFORM EMERGENCY LIGHTS	2075	2010		SPARE SPARE	1 20 4 1 20 6
7 50 3 T5 TRANSF. 30 KVA 10000		SPARE	1 20 8	7 20 1	NORTH SLPA ENCLOSURE LIGHTS	2660			SPARE	1 20 8
9 1000	0	SPARE	1 20 10	9 20 1	NORTH SLPA ENCLOSURE LIGHTS	2660			SPARE	1 20 10
11	10000	SPARE	1 20 12	11 20 1	NORTH SLPA ENCLOSURE LIGHTS		2610		SPARE	1 20 12
13 20 1 SPARE		SPARE	1 20 14	13 20 1	SPARE	000			SPARE	1 20 14
15 20 1 SPARE 17 20 1 SPARE		SPARE SPARE	1 20 16 1 20 18	15 20 1 17 20 1	BLUE LIGHT STATION-NORTH (EASTSIDE) BLUE LIGHT STATION-NORTH (WESTSIDE)	200	200	_	SPARE SPARE	1 20 16 1 20 18
19 20 1			20 20		SPARE					20
21 20 1			22	21 20 1	SPARE					22
			24	23						24
25 27 27 2			26 28	25 27						26 28
29			30	29						30
31			32	31						32
33			34	33						34
35			36 38	35						36
37			40	37 39						38 40
41			42	41						42
SUB TOTAL 10190 1019	90 10000 200		SUB TOTAL		SUB TOTAL	3570 4935	2820			SUB TOTAL
VOLTAGE: 480/277V,3P,4W	10390 10190 10000	Santa Clara Valley Transportation Authority			80/227V,3P,4W		3570 4935 4820]		
MAINS: 60A CB MIN IC: 22,000A TOTAL 3 PHASE CONNECT	TED 30.58 KVA 36.78 A	MPSNO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN)		MAINS: 70A MIN IC: 22,0	CB DODA TOTAL 3 PH4	ASE CONNECTE	D 13.33 KVA 16.0	-		
		AMEND AND RESUBMIT (A/R)] , 9		
		Any action shown above is subject to the terms of the con and does not relieve the Contractor of any of its obligat	tions							
		under the contract, including design and detailing. Contract No.: DB11002F								
	PANEL LA115	Bv: Date:			/ _ / / / / / / / / /		PANEL EL242			
LOCATION: ANCILLARY BUILDING (PG&E Yard)	NORMAL		MOUNTING: SURFACE		LEC RM#3 (Platform #1 Leve,I Col. D/6.5)		EMERGENCY		1	MOUNTING: SURFACE
CKT TRIP (1) DESCRIPTION COL #1 VC		VOL-AMPS DESCRIPTION	S TRIP CKT O AMP NO	CKT TRIP	DESCRIPTION				DESCRIPTION	SU TRIP CKT
NO AMP O DESCRIPTION A B		B C	<u> </u>			A B	C A	B C		<u>a</u>
1 20 1 (8) RECPT AT RMS. A=01, 02, 03, 04, 09 1440 3 20 1 (7) RECPT AT RMS. A=02, 03, 07, 08, 09 126	.0	SPACE SPACE	2	1 20 1 3 20 1	PLATFORM #1, TRACK LEVEL CHASE LIGHTIN SOUTH PLATFORM EMERGENCY LIGHTS	2075		TBD	PANEL ELA243	1 20 2 1 20 4
5 20 1 (4) RECPT AT RMS. A-04, 06, 07, 09	720	SPACE	6		SOUTH SLPA ENCLOSURE (64 M1) LIGHTS		2010	TBD		1 20 6
7 20 1 SPARE		SPACE	8	7 20 1	SOUTH SLPA ENCLOSURE LIGHTS	2660			SPARE	1 20 8
9 20 1 SPARE		SPACE	10	9 20 1	SOUTH SLPA ENCLOSURE LIGHTS	2660			SPARE	1 20 10
11 20 1 SPARE		SPACE SPACE	12	1120113201	SPARE				SPARE SPARE	1 20 12 1 20 14
15 20 1 SPARE		SPACE	16		BLUE LIGHT STATION-NORTH (EASTSIDE)	200			SPARE	1 20 16
17 20 1 SPARE		SPACE	18	17 20 1	BLUE LIGHT STATION-NORTH (WESTSIDE)		200		SPARE	1 20 18
19 20 1 SPARE		SPACE	20	19 20 1					SPARE	1 20 20
21 20 1 SPARE 23 20 1 SPARE		SPACE SPACE	22 24	21 20 1 23	SPARE				SPARE	1 20 22 24
25 20 1 SPARE		SPACE SPACE	24	25						24
27 20 1 SPARE		SPACE	26 28	27						26 28
29 20 1 SPARE		SPACE	30	29					7	30
31 20 1 SPARE 33 20 1 SPARE		SPACE SPACE	32 34	31 33						32 34
35 20 1 SPARE 35 20 1 SPARE		SPACE SPACE	36	35						36
37 20 1 SPARE		SPACE	38	37						36 38
39 20 1 SPARE		SPACE	40	39						40
41 20 1 SPARE SUB TOTAL 1440 126		SPACE	SUB TOTAL 42	41	SUB TOTAL	7570 4075	0010			SUB TOTAL
			SUBTOTAL			3570 4935		<u> </u>		SUBTOTAL
VOLTAGE: 208/120V,3P,4W MAINS: 50A CB	1440 1260 720			MAINS: 60A	30/227V,3P,4W CB		3570 4735 2010	_		
MIN IC: 22,000A TOTAL 3 PHASE CONNECT	TED 3.42 KVA 16.5 A	MPS		MIN IC: 22,0	DODA TOTAL 3 PHA	ASE CONNECTE	D 10.72 KVA 12.9	AMPS		
Design G. L	ED BY ALWANI	Skanska Sbirnmick					LINE. TR	RACK. STATI	ons and systems	ADD FILENAME C700-S-DB-E522.dwg
DRAWN	BY IARAVILLA	Shimmick	1436 California Circle Milpitas, California 95035			AR		DESIGN L	JNIT 023	IZE SCALE
CHECKE		Herzog	A Joint Venture			AR'		MILPITAS	STATION	D NONE
	ARLAAN	Anil Verma Associates, Inc. 1970 Broadway, Suite 525 Phone: (510) 655-2537 Fax (610) 355-2339	APPROVED	INTERNATIONAL		ALL THE		PANEL SC		CONTRACT NO. C700 REA_CODE_SHEET_NOPAGE_NO
DATE	130710	SUBMITTED	APPROVED POLAD	Irun th	BART SILICON VALLEY BE	RRYESSA EXTE	NSION	SHEET S	3 OF 5	REA CODE SHEET NO. PAGE NO. DB E522 0922

LOCATION: EL	EC RM #2 (Concourse Level, Col. A/4.5)		PANEL EL24 EMERGENCY		MOUN	TING: SURFACE	LOCATIO	ON: EL	EC RM #2 (Concourse Level, Col. A/4.5)			PANEL ELA25 EMERGENCY		MOUNTING: SURFACE
CKT TRIP SI NO AMP O	DESCRIPTION	COL #1 VOL	-AMPS COL #	₽ VOL-AMPS	DESCRIPTION	U TRIP CKT	CKT TRI	DLES	DESCRIPTION	COL #1 VC			AMPS DESCRIPTION	SHID CKT AMP NO
	(9)M6 N. HIGH CLG., (2)M4A VENT FAN RMS.	1025	TBD		PANEL ELA241	<u>a</u> 2			(5) RECPT AT RMS. C46, C18, C16	900		1080	(6) RECPT AT RMS.C46.C25.C1	۵.
	(9)M6 S. HIGH CLG., (2)M4A VENT FAN RMS.	1025		TBD		4			(4) RECPT AT RMS. C18, C16, C23	720		600	FACP AT EMP RM C36	1 20 4
	(3)M6, (3)M2 POC UPPER LOBBY & LANDING		510	TBD		6			(3) RECPT AT RMS. C36, C37		540		540 (3) RECPT AT RMS. C36, C3	7 1 20 6
	North Concourse Col. 2-4/A-D	1145	TBD		PANEL ELA242	8			FSD NORTH	200			SPACE	8
	North Concourse Col. 4-12/A-B.5	2000		TBD		10			FSD NORTH	200			SPACE	10
	Rms C11,C42,C01,C06-C08,C44		1725	TBD		12			FSD SOUTH		200		SPACE	12
	SPARE SPARE					14	13 20 15 20		FSD SOUTH	200	_		SPACE SPACE	14
	SPARE					18	17 20						SPACE	18
	SPARE					20	19 20						SPACE	20
21						22	21 20						SPACE	22
23						24	23 20) 1	SPARE				SPACE	24
25						26	25 20						SPACE	26
27						28	27 20						SPACE	28
29						30	29 20						SPACE	30
31						32	31 20						SPACE	32
33 35						34	33 20						SPACE	34
37						38	35 20 37 20						SPACE SPACE	36 38
39						40	39 20						SPACE	40
41						42	41 20						SPACE	42
	SUB TOTAL	2170 3025	2235		SUB TOTAL				SUB TOTAL	1300 920	740	1080 600		SUB TOTAL
MAINS: 100A MINIC: 22,00	0/227V,3P,4W CB DOA TOTAL 3 PHA	SE CONNECTEI	2170 3025 2235 7.43 KVA 8.09	- Any acti and do un	anta Clara Valley Transportation Authority NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R) on shown above is subject to the terms of the contract s not relieve the Contractor of any of its obligations ler the contract, including design and detailing.		MAINS: MIN IC: 2	150A	8/120V,3P,4W CB DOA TOTAL 3 PHA			80 1520 1280 8 KVA 14.4 AMPS		
LOCATION: AN	ICILLARY BUILDING (PG&E YARD)		PANEL EL243 EMERGENCY	By:	DB11002F MOUN	TING: SURFACE	LOCATIO	ON: (S	tation Agent's Booth (SAB),I Col. B.3/8)			ANEL ELA251		MOUNTING: SURFACE
CKT TRIP	DESCRIPTION	COL #1 VOL	-AMPS COL #	2 VOL-AMPS	DESCRIPTION	SHIT TRIP CKT		IP L	DESCRIPTION	COL #1 VC	L-AMPS	COL #2 VOL	AMPS DESCRIPTION	
NO AMP	DESCRIPTION	A B	СА	B C	DESCRIPTION	O AMP NO	NO AME	P	DESCRIPTION	A B	С	A B	C	D AMP NO
1						2			(1) RECPT FOR HEATER AT SAB	1000		540	(3) RECPT AT SAB	1 20 2
3						4	3 20) 1	(1) RECPT FOR HEATER AT SAB	100)	180	(1) RECPT AT SAB	1 20 4
5						6			(3) RECPT ABOVE CEILING AT SAB		540		166 AHU-19	6
7						8			(5) RECPT AT SAB	900		166		8
9						10	9 20		(5) RECPT AT SAB	900		1716		10
						12	11 20 13 20		(2) RECPT ABOVE COUNTER AT SAB		360		1716	12
13 15						14	15 20		SPARE				SPACE SPACE	14 16 18
17						10	17 20		SPARE				SPACE	18
19						20	19 20						SPACE	20
21						22	21 20) 1	SPARE				SPACE	22
23						24	23 20						SPACE	20 22 24
25						26	25 20) 1	SPARE				SPACE	26
27						28	27 20						SPACE	28 30 32
29						30	29 20						SPACE	30
31						32	31 20						SPACE	32
33 35						34 36	33 20 35 20						SPACE	34
35						38	35 20 37 20						SPACE SPACE	38
39						40	39 20						SPACE	40
41						42	41 20					·····	SPACE	42
	SUB TOTAL	0 0	0 0	0 0	SUB TOTAL			`	SUB TOTAL	1900 190				SUB TOTAL
VOLTAGE: 480 MAINS: 30A MIN IC: 22,00		SE CONNECTEI	(AMPS			VOLTAGI MAINS: MIN IC:	70A		GRAND TOT	AL 260	0 KVA 25.5 AMPS		
0 20130710 EEV DATE BY	SUB APP DESCRIPTION	CHECKED E L. CHE IN CHARGE R. BAR DATE	AVILLA		Skanska Shirnmick Herzog anil Verma Associates, Inc. (10 forder, 5, 128) (10 forder, 5		INTERNATIC	ONAL	BART SILICON VALLEY BER			DESI MIL PAN	STATIONS AND SYSTEMS GN UNIT 023 _PITAS STATION NEL SCHEDULES HEET 4 OF 5	CADD FILENAME C700-S-DB-E523.dwg SIZE SCALE D NONE CONTRACT NO. C700 REV. C700 0 AREA CODE SHEET NO. DB E523 0923

	ANEL ELA25				MOUNTI	NG:	SURF	ACE			
PS		<u> </u>	2 VOL-		DESCRIPTION	OLES	TRIP AMP	CKT			
		A	В	С	ļ	РО					
		1080			(6) RECPT AT RMS.C46,C25,C18,C16 COL 7.6	1	20	2			
			600		FACP AT EMP RM C36	1	20	4			
0				540	(3) RECPT AT RMS. C36, C37	1	20	6			
					SPACE			8			
					SPACE			10			
0					SPACE	\square	i	12			
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0		1080	600	540	SUB TOTAL			-72			
.0		1000	000	540	300 TOTAL			-+			
38(80 1520 1280										
5.18	18 KVA 14.4 AMPS										

	PANEL ELA251 MOUNTING: SURFACE									
PS	COL #	2 VOL-	-	DESCRIPTION	POLES	TRIP				
	A	В	С		PO	AMP	NO			
	540			(3) RECPT AT SAB	1	20	2			
		180		(1) RECPT AT SAB	1	20	4			
0			166	AHU-19			6			
	166						8			
		1716		ACU-19			10			
0			1716				12			
				SPACE			14			
	:			SPACE			16			
	:			SPACE			18			
				SPACE		í — — —	20			
				SPACE		í — —	22			
				SPACE		ĺ	24			
				SPACE		[26			
				SPACE		[28			
				SPACE		[30			
				SPACE		(32			
				SPACE			34			
_				SPACE		(36			
				SPACE		[38			
	:			SPACE			40			
				SPACE		(42			
0	706	1896	1882	SUB TOTAL	II					
 606 3796 :	2782									
		AMPS								

LOCATION: ELE	EC RM#4 (Platform #2 Level, Col. A/6.5)		PANEL ELA252 EMERGENCY		Μ	IOUNTING: SURFACE	LOCATION	:ELEC RM #1 (Concourse Level, Col. D/10.5))		PANEL EF22 EMERGENCY	,		MOUNTING: SURFACE
CKT TRIP S	DESCRIPTION	COL #1 VOL	-AMPS COL #	#2 VOL-AMPS B C	DESCRIPTION	S TRIP CKT AMP NO	CKT TRIP NO AMP	DESCRIPTION	COL :	#1 VOL-AMPS		COL #2 VOL-AMPS	- DESCRIPTION	
	(5) RECPT AT COL. 3, 4, 13.5, RM. P22	900			SPACE	2	1 20	1 FARE GATE #1 - COL. 7.8/B-C	1000				SPACE	1 20 2
3 20 1	(5) RECPT AT COL. 10, 19, RM. P14, P34	900			SPACE	4	3 20	1 FARE GATE #2 - COL. 7.8/B-C		1000			SPACE	4
5 20 1	SPARE				SPACE	6	5 20	1 FARE GATE #3 – COL. 7.8/B–C		1000				6
	SPARE				SPACE	8	7 20	1 FARE GATE #4 – COL. 7.8/B–C	1000					8
	SPARE				SPACE	10	9 20	1 FARE GATE #5 - COL. 7.8/B-C		1000				10
	SPARE				SPACE	12		1 FARE GATE #6 - COL. 7.8/B-C		1000				12
	SPARE				SPACE	14		1 FARE GATE #7 - COL. 7.8/B-C	1000		_			14
	SPARE				SPACE	16		1 FARE GATE #8 - COL. 7.8/B-C		1000	_			16
	SPARE				SPACE	18	-	1 FARE GATE #9 - COL. 7.8/B-C		1000	•			18
	SPARE				SPACE	20		1 FARE GATE #10 - COL. 7.8/B-C	1000		_			20
	SPARE				SPACE		21 20	1 FARE GATE #11 - COL. 7.8/B-C		1000	_			22
	SPARE				SPACE	24	23 20	1 FARE GATE #12 - COL. 7.8/B-C		1000				24
	SPARE				SPACE	26		1 FARE GATE #13 - COL. 7.8/B-C	1000		_			26
	SPARE				SPACE	28				1000	_			28
	SPARE				SPACE	30		1 ADA GATE #2 - COL. 7.8/B-C		1000				30
	SPARE				SPACE	32	31				_			32
	SPARE				SPACE	34 36	33 35				_			34 36
	SPARE				SPACE						_			38
	SPARE				SPACE	38	37 39							40
	SPARE SPARE				SPACE SPACE	40	41				_			40
41 20 1	SUB TOTAL	900 900	0		SPACE SUB TO		41	SUB TOTAL						SUB TOTAL
VOLTAGE: 208 MAINS: 70A C MIN IC: 22,00	3/120V,3P,4W CB 00A TOTAL 3 PHA		_ 900 900 0 D 1.80 KVA 8.65		nta Clara Valley Transportation Authority NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R) shown above is subject to the terms of the contract		VOLTAGE: MAINS: 6 MIN IC: 2		HASE COI		KVA [AMPS		
				and does	not relieve the Contractor of any of its obligations r the contract, including design and detailing.									
	EC RM#3 (Platform #1 Level, Col. D/6.5)	001 //1 \/01	PANEL ELA261 EMERGENCY	By:	Date: M	IOUNTING: SURFACE	LOCATION	ELEC RM #1 (Concourse Leve,I Col. D/10.5)			PANEL EF23 EMERGENCY	,		
CKT TRIP	DESCRIPTION	COL #1 VOL		#2 VOL-AMPS	DECODIDITION			L Š I L	10.01	#1 VOL-AMPS	>	COL #2 VOL-AMPS	DESCRIPTION	입 TRIP CKT
NO AMP 0	DESCRIPTION	A B	C A	B C	DESCRIPTION	TO AMP NO	NO AMP	DESCRIPTION	A	ВС		A B C	DESCRIPTION	De AMP NO
1 20 1	(5) RECPT AT COL. 3, 4, 13.5, RM. P23	900	C A	B C	SPACE	Image: AMP NO	NO AMP 1 20	1 FARE GATE #1 - COL. 9.2/B-C	-	B C		A B C		<u>ā</u> 2
1 20 1 3 20 1	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33		C	B C	SPACE SPACE	전 AMP NO 2 4	NO AMP 1 20 3 20	DESCRIPTION 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C	A	B C 1000		A B C		<u>ā</u> 2 2 4
120132015201	 (5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE 	900	C A	B C	SPACE SPACE SPACE	AMP NO 2 2 4 6	NO AMP 1 20 3 20 5 20	DESCRIPTION 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C	A 1000	B C 1000 1000		A B C		ā. 2 4 4 6 6
1 20 1 3 20 1 5 20 1 7 20 1	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE SPARE	900	C A	B C	SPACE SPACE SPACE SPACE	Image: Image and the second	NO AMP 1 20 3 20 5 20 7 20	Description 1 FARE GATE #1 – COL. 9.2/B–C 1 FARE GATE #2 – COL. 9.2/B–C 1 FARE GATE #3 – COL. 9.2/B–C 1 FARE GATE #3 – COL. 9.2/B–C 1 FARE GATE #4 – COL. 9.2/B–C	A	B C 1000 1000		A B C		ā. 2 4 4 6 8
1 20 1 3 20 1 5 20 1 7 20 1 9 20 1	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE SPARE SPARE	900	C A	B C	SPACE SPACE SPACE SPACE SPACE	a AMP NO 2 2 4 6 8 8 10 10 10	NO AMP 1 20 3 20 5 20 7 20 9 20	Description 1 FARE GATE #1 – COL. 9.2/B–C 1 FARE GATE #2 – COL. 9.2/B–C 1 FARE GATE #3 – COL. 9.2/B–C 1 FARE GATE #3 – COL. 9.2/B–C 1 FARE GATE #4 – COL. 9.2/B–C 1 FARE GATE #4 – COL. 9.2/B–C 1 FARE GATE #5 – COL. 9.2/B–C	A 1000	B C 1000 1000 1000		A B C		ā. 2 4 6 8 10
1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE SPARE SPARE SPARE	900	C A	B C	SPACE SPACE SPACE SPACE SPACE SPACE	a AMP NO 2 2 4 6 8 8 10 12 12	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20	Description 1 FARE GATE #1 – COL. 9.2/B–C 1 FARE GATE #2 – COL. 9.2/B–C 1 FARE GATE #3 – COL. 9.2/B–C 1 FARE GATE #3 – COL. 9.2/B–C 1 FARE GATE #4 – COL. 9.2/B–C 1 FARE GATE #5 – COL. 9.2/B–C 1 FARE GATE #5 – COL. 9.2/B–C 1 FARE GATE #6 – COL. 9.2/B–C	A 1000 1000	B C 1000 1000 1000 1000		A B C		ā. 2 4 6 8 10 12 12
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	 (5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE SPARE SPARE SPARE SPARE 	900	C A	B C	SPACE SPACE SPACE SPACE SPACE SPACE SPACE	O AMP NO 2 2 4 6 6 8 10 12 12 114 14 14	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20	Description 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #5 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C	A 1000	B C 1000 1000 1000 1000		A B C		ā. 2 4 6 8 10 12 12
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	 (5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE SPARE SPARE SPARE SPARE SPARE SPARE 	900	C A	B C	SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	O AMP NO 2 4 6 6 8 10 12 14 16 16	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20	Description 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #5 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C	A 1000 1000	B C 1000 1000 1000 1000 1000 1000		A B C		ā. 2 4 6 8 10 12 14 16 16
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	900	C A	B C	SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	O AMP NO 2 2 4 6 8 10 12 12 14 16 18 18	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20	Description 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #5 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C	A 1000 1000	B C 1000 1000 1000 1000		A B C		ā. 2 4 6 8 10 12 14 16 18
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	900	C A	B C	SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	O AMP NO 2 4 4 6 8 10 12 12 14 16 18 20	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20 19	Description 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #5 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C	A 1000 1000	B C 1000 1000 1000 1000 1000 1000		A B C		ā. 2 4 6 8 10 12 14 16 18
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	900	C A	B C	SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	O AMP NO 2 2 4 6 8 10 10 12 14 11 16 18 11 20 22 11 20 22 12 22 24	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20 19 21 23 23	Description 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #5 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C	A 1000 1000	B C 1000 1000 1000 1000 1000 1000		A B C		ā. 2 4 6 8 10 12 14 16 18
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE SPARE	900	C A	B C	SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE	O AMP NO 2 2 4 6 8 10 10 12 14 11 16 18 11 20 22 11 20 22 11 20 22 11 20 22 12 24 26	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20 19 21 23 25	Description 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #5 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C	A 1000 1000	B C 1000 1000 1000 1000 1000 1000		A B C		ā. 2 4 4 6 8 10 12 14 16 18 20 22 24 26 26
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE	900	C A		SPACE SPACE	O AMP NO 2 2 4 6 8 6 0 10 12 0 112 14 0 12 14 0 12 14 0 16 18 0 20 22 0 22 24 0 26 28 0 30 32 0 32 34	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20 19 21 23 25 27 29 31 33	Description 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #5 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C	A 1000 1000	B C 1000 1000 1000 1000 1000 1000		A B C		ā. 2 1 2 4 6 8 10 12 14 16 18 20 22 22 24 26 28 30 32 34 36 38
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	 (5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE 	900	C A 		SPACE SPACE	O AMP NO 2 2 4 6 8 10 1 112 12 1 112 14 1 16 18 2 22 22 2 22 24 2 28 30 32 34 36	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20 19 21 23 25 27 29 31 33 35 5	Description 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #5 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C	A 1000 1000	B C 1000 1000 1000 1000 1000 1000		A B C		ā. 2 4 6 8 10 12 14 10 12 14 16 18 20 22 24 20 22 22 24 26 28 30 32 34 36 38 40
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE	900	C A 		SPACE SPACE	O AMP NO 2 2 4 6 8 10 1 112 12 1 112 14 1 16 18 2 22 22 2 22 24 2 28 30 32 34 36 38 38 38	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20 19 21 23 25 27 29 31 33 35 37	Description 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #5 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C	A 1000 1000	B C 1000 1000 1000 1000 1000 1000		A B C		ā. 2 1 2 4 6 8 10 12 14 16 18 20 22 22 24 26 28 30 32 34 36 38
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE	900			SPACE SPACE	O AMP NO 2 2 4 6 8 10 12 14 16 18 20 22 20 22 20 22 20 22 20 22 20 22 30 32 30 32 34 36 38 40 42 42	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20 19 21 23 25 27 29 31 33 35 37 39	Description 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #5 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C	A 1000 1000	B C 1000 1000 1000 1000 1000 1000		A B C		ā. 2 4 6 8 10 12 14 10 12 14 16 18 20 22 24 20 22 22 24 26 28 30 32 34 36 38 40
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE	900 900 900 900 900 900 900 900 900 900			SPACE SPACE	O AMP NO 2 2 4 6 8 10 12 14 16 18 20 22 20 22 20 22 20 22 20 22 20 22 30 32 30 32 34 36 38 40 42 42	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20 19 21 23 25 27 29 31 33 35 37 39 41	DESCRIPTION 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #5 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 SUB TOTAL	A 1000 1000 1000	B C 1000 1		A B C		ā. 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42
1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 15 20 1 15 20 1 15 20 1 17 20 1 21 20 1 23 20 1 25 20 1 27 20 1 31 20 1 33 20 1 35 20 1 37 20 1 41 20 1 VOLTAGE: 208 MAINS: 70A C	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE	900 900 900 900 900 900 900 900 900 900	- 900 900 0 - 900 KVA 8.65		SPACE	O AMP NO 2 2 4 6 8 10 12 14 16 18 20 22 20 22 20 22 20 22 20 22 20 22 30 32 30 32 34 36 38 40 42 42	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20 19 21 23 25 27 29 31 33 35 37 39 41 VOLTAGE: MAINS: 6	DESCRIPTION 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 SUB TOTAL SUB TOTAL SUB TOTAL	A 1000 1000 1000	B C 1000 1		AMPS		ā. 2 4 6 10 12 110 12 111 16 112 14 112 14 113 16 114 16 118 20 118 20 118 20 118 20 111 16 112 14 111 16 112 14 112 14 113 20 114 16 118 20 112 24 113 20 114 20 115 28 115 30 115 34 115 38 116 42 SUB TOTAL 34
1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 15 20 1 15 20 1 15 20 1 17 20 1 21 20 1 23 20 1 25 20 1 27 20 1 33 20 1 33 20 1 35 20 1 37 20 1 41 20 1 VOLTAGE: 208 MAINS: 70A C	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE	900 900 900 900 900 900 900 900 900 900	0 0 0 0 0 0 0 0 0 0 0 0 0 0	AMPS	SPACE	O AMP NO 2 4 4 4 6 8 10 12 12 11 12 14 11 16 18 11 16 20 11 22 22 11 20 22 11 20 22 11 20 22 11 20 22 11 20 22 11 20 22 11 20 22 11 20 22 11 20 32 11 30 32 11 33 34 11 38 40 11 42 20	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20 19 21 23 25 27 29 31 33 35 37 39 41 VOLTAGE: MAINS: 6	DESCRIPTION 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 SUB TOTAL SUB TOTAL SUB TOTAL	A 1000 1000 1000	B C 1000 1		AMPS	IONS AND SYSTEMS	a 2 a 4 a 6 a 8 a 10 a 12 a 14 a 16 a 18 a 20 a 22 a 24 a 26 a 30 a 32 a 34 a 36 a 38 a 40 a 42 SUB TOTAL SUB TOTAL
1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 15 20 1 15 20 1 15 20 1 17 20 1 21 20 1 23 20 1 25 20 1 27 20 1 33 20 1 33 20 1 35 20 1 37 20 1 41 20 1 VOLTAGE: 208 MAINS: 70A C	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE	900 900 900 900 900 900 900 900 900 900	0 0 0 0 0 0 0 0 0 0 0 0 0 0	AMPS	SPACE	O AMP NO 2 2 4 6 8 10 12 14 16 18 20 22 20 22 20 22 20 22 20 22 20 22 30 32 30 32 34 36 38 40 42 42	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20 19 21 23 25 27 29 31 33 35 37 39 41 VOLTAGE: MAINS: 6	DESCRIPTION 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 SUB TOTAL SUB TOTAL SUB TOTAL	A 1000 1000 1000	B C 1000 1		AMPS	IONS AND SYSTEMS UNIT 023	ā. 2 4 4 6 8 10 12 14 16 12 14 16 18 20 22 24 26 22 24 26 28 30 32 332 34 36 38 40 42 SUB TOTAL 40 21 24 22 24 30 32 34 36 38 40 42 38 40 42 SUB TOTAL 50
1 20 1 3 20 1 5 20 1 7 20 1 9 20 1 11 20 1 13 20 1 15 20 1 15 20 1 15 20 1 17 20 1 21 20 1 23 20 1 25 20 1 27 20 1 33 20 1 33 20 1 35 20 1 37 20 1 41 20 1 VOLTAGE: 208 MAINS: 70A C	(5) RECPT AT COL. 3, 4, 13.5, RM. P23 (5) RECPT AT COL. 10, 19, RMS. P13, P33 SPARE	900 900 900 900 900 900 900 900 900 900	- 900 900 0 - 1.80 KVA 8.65	AMPS	SPACE SUB TO	O AMP NO O 2 O 4 O 6 O 10 O 12 O 12 O 12 O 12 O 12 O 22 O 23 O 32 O 33 O 40 OTAL 40	NO AMP 1 20 3 20 5 20 7 20 9 20 11 20 13 20 15 20 17 20 19 21 23 25 27 29 31 33 35 37 39 41 VOLTAGE: MIN IC: 2:	DESCRIPTION 1 FARE GATE #1 - COL. 9.2/B-C 1 FARE GATE #2 - COL. 9.2/B-C 1 FARE GATE #3 - COL. 9.2/B-C 1 FARE GATE #4 - COL. 9.2/B-C 1 FARE GATE #6 - COL. 9.2/B-C 1 FARE GATE #7 - COL. 9.2/B-C 1 FARE GATE #8 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 FARE GATE #9 - COL. 9.2/B-C 1 SUB TOTAL SUB TOTAL SUB TOTAL	A 1000 1000 1000	B C 1000 1		AMPS	IONS AND SYSTEMS	ā. 2 4 4 6 8 10 12 14 16 12 14 16 18 20 22 24 26 22 24 26 28 30 32 332 34 36 38 40 42 SUB TOTAL 40 21 24 22 24 30 32 34 36 38 40 42 38 40 42 SUB TOTAL 50
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CIRCUIT NUMBER A1-1 A1-2 A1-3			1	UN		
A1-2		FROM	VIA	ТО	SIZE&TYPE	CONDUCTORS
	NORMAL POWER FEEDER-STATION	PG&E YARD MAIN SWBD AM	DUCT BANK "H-H"	SWITCHBOARD A1	5"C	4 #350 Kcmil, & 1 #1/00
	NORMAL POWER FEEDER-STATION	PG&E YARD MAIN SWBD AM	DUCT BANK "H-H"	SWITCHBOARD A1	5"C	4 #350 Kcmil, & 1 #1/00
AI-3	NORMAL POWER FEEDER-STATION	PG&E YARD MAIN SWBD AM	DUCT BANK "H-H"	SWITCHBOARD A1	5"C	4 #350 Kcmil, & 1 #1/00
A1-4	NORMAL POWER FEEDER-STATION	PG&E YARD MAIN SWBD AM	DUCT BANK "H-H"	SWITCHBOARD A1	5"C	4 #350 Kcmil, & 1 #1/00
A1-5	NORMAL POWER FEEDER-STATION	PG&E	DUCT BANK "H-H"	SWITCHBOARD A1	5"C	
A1-6	CONTROL	PG&E	DUCT BANK "H-H"	SWITCHBOARD A1	2"C	CONTROL
A1-7	CONTROL	PG&E	DUCT BANK "H-H"	SWITCHBOARD A1	2"C	CONTROL
SPARE	NORMAL POWER FEEDER	SWITCHBOARD "A1-1", SPARE 100AMP BREAKER		SPARE		
A12	NORMAL POWER FEEDER	SWITCHBOARD "A1-2"		PANEL "L15"	1 1/2"C	4#1, 1#8G
A13	NORMAL POWER FEEDER	SWITCHBOARD "A1-3"		PANEL "L13"	2 1/2"C	4#4/0, 1#4G
A14	NORMAL POWER FEEDER	SWITCHBOARD "A1-4"		PANEL "L14"	2 1/2"C	4#4/0, 1#4G
A15	NORMAL POWER FEEDER	SWITCHBOARD "A1-5"		PANEL "L15"	2 1/2"C	4#4/0, 1#4G
L15-1	NORMAL POWER FEEDER	PANEL "L15"		PANEL "L151"	1 1/2"C	4#4, 1#8G
A16	NORMAL POWER FEEDER	SWITCHBOARD "A1-6"		75 KVA TRANSFORMER	1 1/2"C	4#1, 1#8G
A16A	NORMAL POWER FEEDER	75 KVA TRANSFORMER		PANEL "LA16" HVAC/MISC. NORTH CONCOURSE	2 1/2"C	4#4/0, 1#8G
L16-1	NORMAL POWER FEEDER	PANEL "LA16" HVAC/MISC. NORTH CONCOURSE		PANEL "L161" RECEPTACLE	1 1/2"C	4#1, 1#8G
A17	NORMAL POWER FEEDER	SWITCHBOARD "A1-7"		75 KVA TRANSFORMER VIA NON-FUSED DISC. SW., Z17	1 1/2"C	4#1, 1#8G
A17A	NORMAL POWER FEEDER	75 KVA TRANSFORMER		PANEL "LA17" HVAC/MISC. SOUTH CONCOURSE	2 1/2"C	4#4/0, 1#8G
L17A-1	NORMAL POWER FEEDER	PANEL "LA17" HVAC/MISC. SOUTH CONCOURSE		PANEL "L171" RECEPTACLE	1 1/2"C	4#1, 1#8G
A18	NORMAL POWER FEEDER	SWITCHBOARD "A1-8"		VIA NON-FUSED DISC. SW. Z18 FOR PNL 37D IN TCR	1 1/2"C	4#1, 1#8G
A19	NORMAL POWER FEEDER	SWITCHBOARD "A1-9"		VIA NON-FUSED DISC. SW. Z19 FOR PNL 37D IN TCR	1 1/2"C	4#2, 1#8G
A110	NORMAL POWER FEEDER	SWITCHBOARD "A1-10"		ESCALATOR #1 VFD VIA NON-FUSED DISC. SW.	1 1/2"C	3#1, 1#8G
A111	NORMAL POWER FEEDER	SWITCHBOARD "A1-11"		ESCALATOR #2 VFD VIA NON-FUSED DISC. SW.	1 1/2"C	3#1, 1#8G
A112	NORMAL POWER FEEDER	SWITCHBOARD "A1-12"		ESCALATOR #3 VFD VIA NON-FUSED DISC. SW.	1 1/2"C	3#1, 1#8G
A113	NORMAL POWER FEEDER	SWITCHBOARD "A1-13"		ESCALATOR #4 VFD VIA NON-FUSED DISC. SW.	1 1/2"C	3#1, 1#8G
SPARE	NORMAL POWER FEEDER	SWITCHBOARD "A1-14"		SPARE		
A115	NORMAL POWER FEEDER	SWITCHBOARD "A1-15"		PANEL "L115" IN PG & E SWITCH YARD	1 1/2"C	4#1, 1#8G
A115A	NORMAL POWER FEEDER	PANEL "L115"		45 KVA TRANSFORMER IN PG & E SWITCH YARD	1 1/2"C	4#1, 1#8G
A115A-1	NORMAL POWER FEEDER	45 KVA TRANSFORMER		PANEL "LA115" IN PG & E SWITCH YARD	1 1/2"C	4#1, 1#8G
SPARE	NORMAL POWER FEEDER	SWITCHBOARD "A1-16", SPARE 225AMP BREAKER		SPARE		
SPACE	NORMAL POWER FEEDER	SWITCHBOARD "A1-17"		SPACE		
SPACE	NORMAL POWER FEEDER	SWITCHBOARD "A1-18"		SPACE		

3 - 4						DESIGNED BY G. LALWANI	PROFESS / ONLY	Skanska	1436 California Cirala		
201, 201						G. MARAVILLA	E11904	Shimmick Herzog	1436 California Circle Milpitas, California 95035 A Joint Venture		BARI
ղոր						L. CHEN	E11904 ∰ EXP. ★ 12/31/14 ★	Anil Verma Associates, Inc.		-	SILICON VALLEY
W	0	2013071	0		READINESS FOR CONSTRUCTION	R. BARLAAN	OF FLECTRICAL	1970 Broadway, Suite 525 Oakland, CA 94612 Phone: (510) 835-2537 Fax: (810) 535-2339	A LEO A BALY COMPANY	-	
iles	REV	DATE	BY S	UB AP	DESCRIPTION	20130710	OF CALIT	SUBMITTED Autonom	APPROVED Kn Hollinuth	1	BART SILICON VALLEY BERRYESSA EXTENSIO

	INSTALLATION DRAWINGS	REMARKS	
OG	-	REF. DWG. DB-E825	
OG		REF. DWG. DB-E825	
OG		REF. DWG. DB-E825	
OG		REF. DWG. DB-E825	
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		REF. DWG. DB-E825 REF. DWG. DB-E825	
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		Santa Clara Valley Transpor	tation Authority
		NO EXCEPTIONS TAKE	EN (NET)
		MAKE CORRECTIONS	NOTED (MCN)
		AMEND AND RESUBMI	IT (A/R)
		ny action shown above is subject to	
	a	and does not relieve the Contractor under the contract, including de	
		Contract No.: DB11002	
		By: Da	ate:
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	INF TRACK STA	TIONS AND SYSTEMS	CADD FILENAME
· -	DESIGN	UNIT 023	C700-S-DB-E530.dwg
,		AS STATION	D NONE CONTRACT NO. REV.
		RACEWAY AND	C700 0
ŝ		SCHEDULE	AREA CODE SHEET NO. PAGE NO. DB E530 0925
	JILL		

CIRCUIT			RL	JN	CONDUIT	
NUMBER	APPLICATION	FROM	VIA	ТО	SIZE&TYPE	CONDUCTORS
EA2-1	EMERGENCY POWER FEEDER	PG & E YARD TRANSFER SWITCH "ATS-1"	DUCT BANK "H-H" REF. DWG. DB-E825	SWITCHBOARD "A1"	5" C	8-350MCM & 2 #1/
EA2-2	EMERGENCY POWER FEEDER	PG & E YARD TRANSFER SWITCH "ATS-1"	DUCT BANK "H-H" REF. DWG. DB-E825	SWITCHBOARD "A1"	5" C	8-350MCM & 2 #1/
EA2-3	EMERGENCY POWER FEEDER	PG & E YARD TRANSFER SWITCH "ATS-1"	DUCT BANK "H-H" REF. DWG. DB-E825	SWITCHBOARD "A1"	5" C	8-350MCM & 2 #1/
EA2-4	EMERGENCY POWER FEEDER	PG & E YARD TRANSFER SWITCH "ATS-1"	DUCT BANK "H–H" REF. DWG. DB–E825	SWITCHBOARD "A1"	5" C	8-350MCM & 2 #1/
EA2-5	EMERGENCY POWER FEEDER	PG & E YARD TRANSFER SWITCH "ATS-1"	DUCT BANK "H-H" REF. DWG. DB-E825	SWITCHBOARD "A1"	5" C	
A1-6	CONTROL	PG & E	DUCT BANK "H-H" REF. DWG. DB-E825	SWITCHBOARD "A1"	2" C	CONTROL
A1-7	CONTROL	PG & E	DUCT BANK "H-H" REF. DWG. DB-E825	SWITCHBOARD "A1"	2" C	CONTROL
SPARE	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-1", 60A BREAKER		SPARE		
SPARE	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-2", 250A BREAKER		SPARE		
EA23	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-3"		PANEL "EF22" FARE COLLECTION	1 1/2"C	4#4, 1#8G
EA24	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-4"		PANEL "EF23" FARE COLLECTION	1 1/2"C	4#4, 1#8G
EA25	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-5"		100A TRANSFER SWITCH	1 1/2"C	4#2, 1#8G
EA26	GENERATOR POWER FEEDER	SWITCHBOARD "EA2-6"		60 KVA, UPS / L1	1 1/2"C	4#2, 1#8G
EA26-1	EMERGENCY POWER FEEDER	60 KVA, UPS/L1	TRANSFER SWITCH	EMERGENCY DISTRIBUTION PANEL "EL24"	1 1/2"C	4#2, 1#8G
EA26-2	EMERGENCY POWER FEEDER	EMERG. DIST. PNL. "EL24"		PANEL "EL241" LIGHTING NORTH PLATFORM	1 1/2"C	4#4, 1#8G
L16A-3	EMERGENCY POWER FEEDER	EMERG. DIST. PNL. "EL24"		PANEL "EL242" LIGHTING SOUTH PLATFORM	1 1/2"C	4#4, 1#8G
EA27	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-7"		75 KVA TRANSFORMER	1 1/2"C	4#1/0, 1#8G
EA27-1	EMERGENCY POWER FEEDER	75 KVA TRANSFORMER		PANEL "ELA25" HVAC/RECPT./MISC. NORTH CONCOURSE IN ELECTRICAL ROOM #2	1 1/2"C	4#1, 1#8G
EA27-2	EMERGENCY POWER FEEDER	PANEL "ELA25" IN ELEC. RM. #2		PANEL "ELA251" STATION AGENT'S BOOTH	1 1/2"C	4#4, 1#8G
EA27-3	EMERGENCY POWER FEEDER	PANEL "ELA252" IN ELEC. RM. #2		PANEL "ELA252" IN ELEC. RM. #4 ON PLATFORM #2	1 1/2"C	4#1, 1#8G
EA28	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-8"	DISC. SW. EZ28	45 KVA XFMR EX28	1 1/2"C	4#4, 1#8G
EA28-1	EMERGENCY POWER FEEDER	45 KVA TRANSFORMER, EX28		PANEL "ELA26" HVAC/RECPT./MISC. PLATFORM	1 1/2"C	4#1, 1#8G
NOT USED						
EA29	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-9"		EMERG. VENTILATION MOTOR CONTROL CENTER "EMCC27-1"	3 1/2"C	4#350 MCM, 1#2G
EA210	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-10"		EMERG. VENTILATION MOTOR CONTROL CENTER "EMCC27-2"	3 1/2"C	4#350 MCM, 1#2G
EA211	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-11"	NFD DISC. SW. EZ211	HYDRAULIC ELEV. #1 STARTER	1 1/2"C	4# 2, 1 # 8G
EA212	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-12"	NFD DISC. SW. EZ212	HYDRAULIC ELEV. #2 STARTER	1 1/2"C	4#2, 1 # 8G
EA213	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-13"	NFD DISC. SW. EZ213	HYDRAULIC ELEV. #3 STARTER	1 1/2"C	4 #2, 1# 8G
EA214	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-14"	NFD DISC. SW. EZ214	HYDRAULIC ELEV. #4 STARTER	1 1/2"C	4#2, 1#8G
EA215	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-15"	FUSED DISC. SW.	TRAIN CONTROL ROOM (TCR) TO 60KVA UPS FOR ESSENTIAL DISTRIBUTION PANEL	1 1/2"C	4#2, 1#8G
EA216	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-16"		PUMP STATION STZ	2 5"C	
EA217	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-17"	NFD DISC. SW. EZ217	FIRE PUMP & JOCKEY	2 1/2"C	4 #4/0, 1#4G
EA218	EMERGENCY POWER FEEDER	SWITCHBOARD "EA2-18", 100A, FEEDER BREAKER		SPARE		

				DESIGNED BY G. LALWANI DRAWN BY G. MARAVILLA CHECKED BY	ROFESSIONAL SS L.N. E11001	Skanska Shimmick Herzog	1436 California Circle Milpitas, California 95035 A Joint Venture	BART
0	20130710		READINESS FOR CONSTRUCTION	CHECKED BY L. CHEN IN CHARGE R. BARLAAN	E11904	Anil Verma Associates, Inc. 1970 Broodwy, Sult 525 Phone: (510) 455-257 for (\$10) 035-2339		TTA. SILICON VALLEY
REV	DATE BY SU	SUB APP	DESCRIPTION	DATE 20130710	OF CALIFON	SUBMITTED	APPROVED _ Kn. Adlkinth	BART SILICON VALLEY BERRYESSA EXTENSION

	INSTALLATION DRAWINGS	REMARKS	
/00		2–250 MCM PER PHASE & NEUTRAL AND 2–1#0 GND	
/00	;	2–250 MCM PER PHASE & NEUTRAL AND 2–1#0 GND	
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		SPARE	
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		Santa Clara Valley Tran	
		NO EXCEPTIONS T MAKE CORRECTIO AMEND AND RESU	ONS NOTED (MCN)
		Any action shown above is subject and does not relieve the Contract	ct to the terms of the contract ctor of any of its obligations
		under the contract, includin Contract No.: DB1	
		By:	
_	LINE TRACK S	TATIONS AND SYSTEMS	CADD FILENAME
	DESIG	N UNIT 023 PITAS STATION	C700-S-DB-E531.dwg SIZE SCALE D NONE
	ELECTRIC	CAL RACEWAY AND UIT SCHEDULE	CONTRACT NO. C700 REV. 0 AREA CODE SHEET NO. PAGE NO.
I		EET 2 OF 4	DB E531 0926

	APPLICATION		RU	CONDUIT	CONDUCTORS	INSTALLATION B	EMARKS	
NUMBER	APPLICATION	FROM	VIA	ТО	SIZE&TYPE	CUNDUCTURS	DRAWINGS	IMARKS
EMCC2711	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-1" BREAKER COMP	NFD DISC. SW. Z11	FOR EMERG. VENTILATION FAN, "EVF-1" 15 HP.	3/4" C	3#8 &, 1#8G		
MCC2712	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-2" BREAKER COMP	NFD DISC. SW. Z12	FOR EMERG. VENTILATION FAN, "EVF-2" 15 HP.	3/4" C	3#8 &, 1#8G	STAND-B	Y
MCC2713	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-3" BREAKER COMP	NFD DISC. SW. Z13	FOR EMERG. EXHAUST FAN, "EEF-7 7.5 HP.	3/4" C	3#10 &, 1#12G		
MCC2714	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-4" BREAKER COMP	NFD DISC. SW. Z14	FOR EMERG. EXHAUST FAN, "EEF-8" 7.5 HP.	3/4" C	3#10 &, 1#12G		
MCC2715	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-5" BREAKER COMP	NFD DISC. SW. Z15	FOR EMERG. EXHAUST FAN, "EEF-9" 7.5 HP.	3/4" C	3#10 &, 1#12G		
MCC2716	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-6" BREAKER COMP	NFD DISC. SW. Z16	FOR EMERG. EXHAUST FAN, "EEF-10" 7.5 HP.	3/4" C	3#10 &, 1#12G	STAND-B	Y
MCC2717	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-7" BREAKER COMP	NFD DISC. SW. Z17	FOR EMERG. EXHAUST FAN, "EEF-5" 7.5 HP.	3/4" C	3#10 &, 1#12G		
MCC2718	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-8" BREAKER COMP	NFD DISC. SW. Z18	FOR EMERG. EXHAUST FAN, "EEF-6" 7.5 HP.	3/4" C	3#10 &, 1#12G		
MCC2719	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-9" BREAKER COMP	NFD DISC. SW. Z19	FOR EMERG. SUPPLY FAN, "ESF-3" 60 HP.	1 1/2" C	3#10 &, 1#12G	STAND-B	Y
MCC27110	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-10" BREAKER COMP	NFD DISC. SW. Z110	FOR EMERG. SUPPLY FAN, "ESF-6" 60 HP.	1 1/2" C	3 #1/0 &, 1#8G		
MCC27111	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-11" BREAKER COMP	NFD DISC. SW. Z111	FOR EMERG. SUPPLY FAN, "ESF-7" 60 HP.	1 1/2" C	3 #1/0 &, 1#8G		
MCC27112	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-12" BREAKER COMP	NFD DISC. SW. Z112	FOR EMERG. SUPPLY FAN, "ESF-8" 60 HP.	1 1/2" C	3 #1/0 &, 1#8G	STAND-B	Y
PACE	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-13" BREAKER COMP		SPACE				
PACE	EMERGENCY BUS POWER FEEDER	EMERG. MCC, "EMCC271-14" BREAKER COMP		SPACE				
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			EMERGENCY	MOTOR CONTROL CENTER "EMCC27-2"			
CIRCUIT	APPLICATION			JN	CONDUIT	CONDUCTORS	INS
NUMBER		FROM	VIA	ТО	SIZE&TYPE		Df
EMCC2721	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-1" BREAKER COMP	NFD DISC. SW. Z21	FOR EMERG. VENTILATION FAN, "EVF-3" 15 HP.	3/4" C	3#8 &, 1#10G	
EMCC2722	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-2" BREAKER COMP	NFD DISC. SW. Z22	FOR EMERG. VENTILATION FAN, "EVF-4" 15 HP.	3/4" C	3#8 &, 1#10G	
EMCC2723	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-3" BREAKER COMP	NFD DISC. SW. Z23	FOR EMERG. EXHAUST FAN, "EEF-1" 7.5 HP.	3/4" C	3#10 &, 1#12G	
EMCC2724	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-4" BREAKER COMP	NFD DISC. SW. Z24	FOR EMERG. EXHAUST FAN, "EEF-2" 7.5 HP.	3/4" C	3#10 &, 1#12G	
EMCC2725	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-5" BREAKER COMP	NFD DISC. SW. Z25	FOR EMERG. EXHAUST FAN, "EEF-3" 7.5 HP.	3/4" C	3#10 &, 1#12G	
EMCC2726	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-6" BREAKER COMP	NFD DISC. SW. Z26	FOR EMERG. EXHAUST FAN, "EEF-4" 7.5 HP.	3/4" C	3#10 &, 1#12G	
EMCC2727	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-7" BREAKER COMP	NFD DISC. SW. Z27	FOR EMERG. EXHAUST FAN, "EEF-5" 7.5 HP.	3/4" C	3#10 &, 1#12G	
EMCC2728	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-8" BREAKER COMP	NFD DISC. SW. Z28	FOR EMERG. EXHAUST FAN, "EEF-6" 7.5 HP.	3/4" C	3#10 &, 1#12G	
EMCC2729	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-9" BREAKER COMP	NFD DISC. SW. Z29	FOR EMERG. SUPPLY FAN, "ESF-1" 60 HP.	1 1/2"C	3#10 &, 1#12G	
EMCC27210	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-10" BREAKER COMP	NFD DISC. SW. Z210	FOR EMERG. SUPPLY FAN, "ESF-2" 60 HP.	1 1/2"C	3 #1/0 &, 1#8G	
EMCC27211	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-11" BREAKER COMP	NFD DISC. SW. Z211	FOR EMERG. SUPPLY FAN, "ESF-5" 60 HP.	1 1/2"C	3 #1/0 &, 1#8G	
EMCC27212	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-12" BREAKER COMP	NFD DISC. SW. Z212	FOR EMERG. SUPPLY FAN, "ESF-6" 60 HP.	1 1/2"C	3 #1/0 &, 1#8G	
SPACE	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-13" BREAKER COMP		SPACE			
SPACE	EMERGENCY BUS POWER FEEDER	EMERGENCY MCC, "EMCC272-14" BREAKER COMP		SPACE			
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		C. LALWANI	Skanska				
		DRAWN BY	Shimmic	1436 California Circle			

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. 2013 - 4							DESIGNED BY G. LALWANI DRAWN BY G. MARAVILLA	PROFESSIONAL Stars B. Const	Skanska Shimmick	1436 California Circle Milpitas, California 95035		BART
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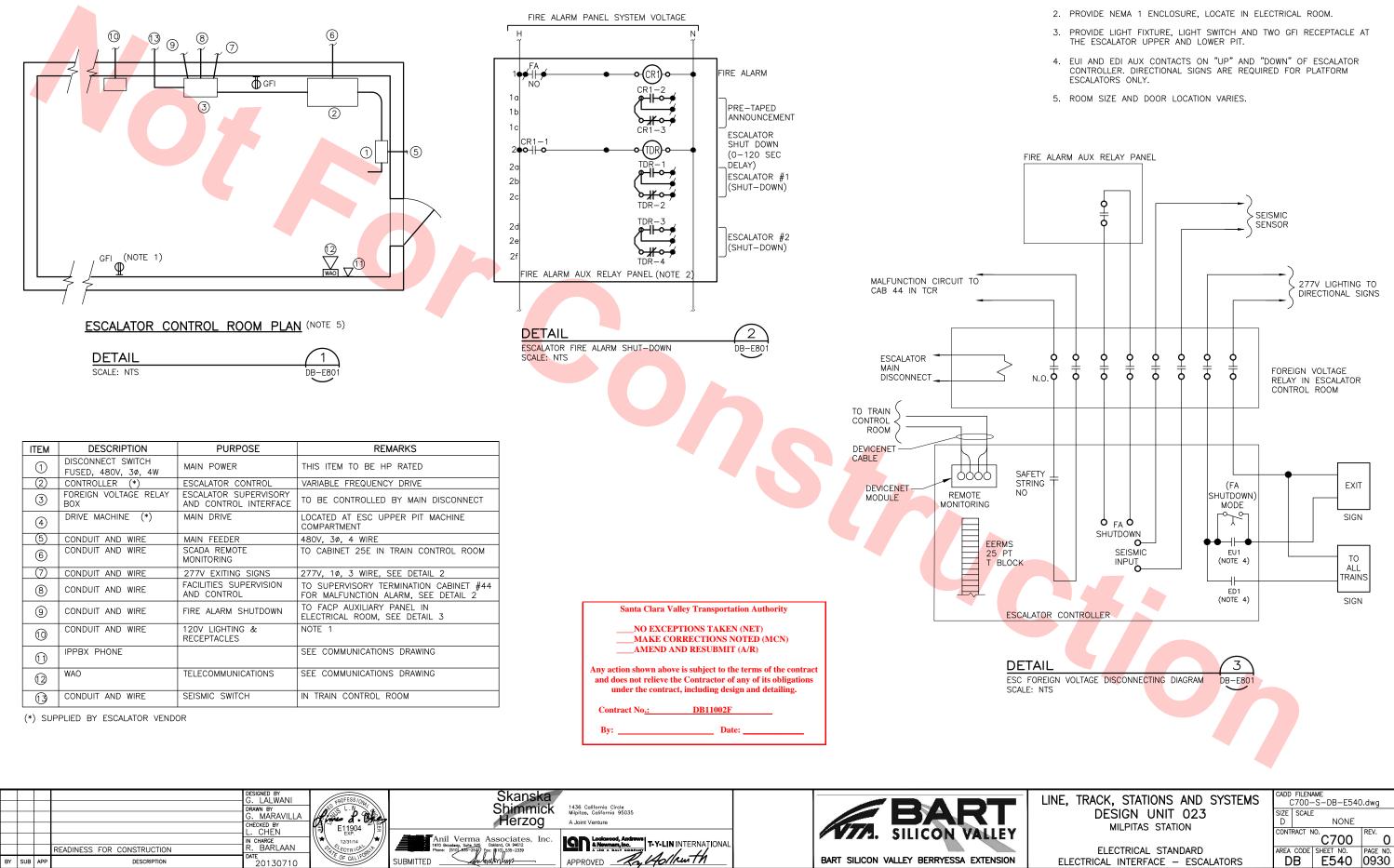
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LINE, TR		IONS AND S	SYSTEMS		S-DB-E532	2.DWG
		UNIT 023 S STATION		D	NONE	
EY				CONTRACT N	10.	REV.
		RACEWAY AND SCHEDULE		AREA CODE	C700	0

CIRCUIT			RU	JN		
UMBER	APPLICATION	FROM	VIA	ТО	SIZE&TYPE	CONDUCTORS
P1-1	PG & E NORMAL POWER FEEDER	PG & E YARD MAIN TRANSFORMER SECONDARY	DUCT BANK	MAIN SWITCHBOARD "AM"	5" PVC	
P1-2	PG & E NORMAL POWER FEEDER	PG & E YARD MAIN TRANSFORMER SECONDARY	DUCT BANK	MAIN SWITCHBOARD "AM"	5" PVC	
P1-3	PG & E NORMAL POWER FEEDER	PG & E YARD MAIN TRANSFORMER SECONDARY	DUCT BANK	MAIN SWITCHBOARD "AM"	5" PVC	
P1-4	PG & E NORMAL POWER FEEDER	PG & E YARD MAIN TRANSFORMER SECONDARY	DUCT BANK	MAIN SWITCHBOARD "AM"	5" PVC	
P1-5	PG & E NORMAL POWER FEEDER	PG & E YARD MAIN TRANSFORMER SECONDARY	DUCT BANK	MAIN SWITCHBOARD "AM"	5" PVC	
P1-6	PG & E NORMAL POWER FEEDER	PG & E YARD MAIN TRANSFORMER SECONDARY	DUCT BANK	MAIN SWITCHBOARD "AM"	5" PVC	
P1-7	PG & E NORMAL POWER FEEDER	PG & E YARD MAIN TRANSFORMER SECONDARY	DUCT BANK	MAIN SWITCHBOARD "AM"	5" PVC	
P1-8	PG & E NORMAL POWER FEEDER	PG & E YARD MAIN TRANSFORMER SECONDARY	DUCT BANK	MAIN SWITCHBOARD "AM"	5" PVC	
P1-9	CONTROL	PG & E YARD MAIN TRANSFORMER SECONDARY	DUCT BANK	MAIN SWITCHBOARD "AM"	2" PVC	
P1-10	CONTROL	PG & E YARD MAIN TRANSFORMER SECONDARY	DUCT BANK	MAIN SWITCHBOARD "AM"	2" PVC	
		PG & E "AUTO TRANSFE	R SWITCH ATS1" N	NORMAL & DIESEL GENERATOR POWER	480/277V, 3ø	, 60-HZ, 4W
CIRCUIT			RU	N	CONDUIT	
NUMBER	APPLICATION	FROM	VIA	ТО	SIZE&TYPE	CONDUCTORS
ATS1-1	PG & E NORMAL POWER FEEDER	AUTO TRANSFER SWITCH ATS1	DUCT BANK "H-H" REF. DWG. DB-E825	PG & E YARD MAIN SWITCHBOARD "AM"	5" PVC	8-350MCM AND 2 #1/0 GND
ATS1-2	PG & E NORMAL POWER FEEDER	AUTO TRANSFER SWITCH ATS1	DUCT BANK "H-H" REF. DWG. DB-E <mark>825</mark>	PG & E YARD MAIN SWITCHBOARD "AM"	5" PVC	8-350MCM AND 2 #1/0 GND
ATS1-3	PG & E NORMAL POWER FEEDER	AUTO TRANSFER SWITCH ATS1	DUCT BANK "H-H" REF. DWG. DB-E825	PG & E YARD MAIN SWITCHBOARD "AM"	5" PVC	8-350MCM AND 2 #1/0 GND
ATS1-4	PG & E NORMAL POWER FEEDER	AUTO TRANSFER SWITCH ATS1	DUCT BANK "H–H" REF. DWG. DB–E825	PG & E YARD MAIN SWITCHBOARD "AM"	5" PVC	8-350MCM AND 2 #1/0 GND
ATS1-5	PG & E NORMAL POWER FEEDER	AUTO TRANSFER SWITCH ATS1	DUCT BANK "H-H" REF. DWG. DB-E825	PG & E YARD MAIN SWITCHBOARD "AM"	5" PVC	
ATS1-6	CONTROL	AUTO TRANSFER SWITCH ATS1	DUCT BANK "H-H" REF. DWG. DB-E825	PG & E YARD MAIN SWITCHBOARD "AM"	2" PVC	CONTROL
ATS1-7	CONTROL	AUTO TRANSFER SWITCH ATS1	DUCT BANK "H–H" REF. DWG. DB–E825	PG & E YARD MAIN SWITCHBOARD "AM"	2" PVC	CONTROL
ATS1-11	PG & E EMERG. POWER FEEDER	AUTO TRANSFER SWITCH ATS1	DUCT BANK	PG & E YARD DIESEL GENERATOR	5" PVC	8-350MCM AND 2 #1/0 GND
ATS1-12	PG & E EMERG. POWER FEEDER	AUTO TRANSFER SWITCH ATS1	DUCT BANK	PG & E YARD DIESEL GENERATOR	5" PVC	8-350MCM AND 2 #1/0 GND
ATS1-13	PG & E EMERG. POWER FEEDER	AUTO TRANSFER SWITCH ATS1	DUCT BANK	PG & E YARD DIESEL GENERATOR	5" PVC	8-350MCM AND 2 #1/0 GND
ATS1-14	PG & E EMERG. POWER FEEDER	AUTO TRANSFER SWITCH ATS1	DUCT BANK	PG & E YARD DIESEL GENERATOR	5" PVC	8-350MCM AND 2 #1/0 GND
ATS1-15	PG & E EMERG. POWER FEEDER	AUTO TRANSFER SWITCH ATS1	DUCT BANK	PG & E YARD DIESEL GENERATOR	5" PVC	
ATS1-16	CONTROL	AUTO TRANSFER SWITCH ATS1	DUCT BANK	PG & E YARD DIESEL GENERATOR	2" PVC	CONTROL
ATS1-17	CONTROL	AUTO TRANSFER SWITCH ATS1	DUCT BANK	PG & E YARD DIESEL GENERATOR	2" PVC	CONTROL

42				
2013 - 4		DESIGNED BY G. LALWANI DRAWN BY G. MARAVILLA	Skanska Shimmick 1436 Colifernia Circle Mipitas, California 95035	
Jun 21,		L CHEN	A Joint Venture	VTA. SILICON VALLEY
lesM	O 20130710 READINESS FOR CONSTRUCTION REV DATE BY SUB APP	IN CHARGE R. BARLAAN DATE 20130710	Anil Verma Associates, Inc. 1970 Broker, Suit 522 SUBMITTED Associates, Mic. 23 SUBMITTED Associates, Mic. 23 SUBMITTED Associates, Mic. 24 Associates,	BART SILICON VALLEY BERRYESSA EXTENSION

INSTALLATION DRAWINGS	REMARKS	
	CONDUCTORS BY PG & E	
	CONDUCTORS BY PG & E	
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INSTALLATION DRAWINGS	REMARKS	
	2-350 MCM PER PHASE & NEUTRAL AND 2-1#0 GND	
	2–350 MCM PER PHASE & NEUTRAL AND 2–1#0 GND	
	2–350 MCM PER PHASE & NEUTRAL AND 2–1#0 GND	
	2-350 MCM PER PHASE & NEUTRAL AND 2-1#0 GND	
	SPARE	
	2-350 MCM PER PHASE & NEUTRAL AND 2-1#0 GND	
	2-350 MCM PER PHASE & NEUTRAL AND 2-1#0 GND	
	2-350 MCM PER PHASE & NEUTRAL AND 2-1#0 GND	
	2-350 MCM PER PHASE & NEUTRAL AND 2-1#0 GND	
	SPARE	
	Santa Clara Valle	ey Transportation Authority
	NO EXCEPT	IONS TAKEN (NET)
		RECTIONS NOTED (MCN) D RESUBMIT (A/R)
		s subject to the terms of the contract Contractor of any of its obligations
		including design and detailing.
	Contract No.:	DB11002F
	By:	
		Date:
LINE. TRACK	, STATIONS AND SYST	CADD FILENAME C700-S-DB-E533.dwg
	SIGN UNIT 023	SIZE SCALE
	MILPITAS STATION	D NONE
	TRICAL RACEWAY AND	C700 0
	CIRCUIT SCHEDULE SHEET 4 OF 4	AREA CODE SHEET NO. PAGE NO. DB E533 0928

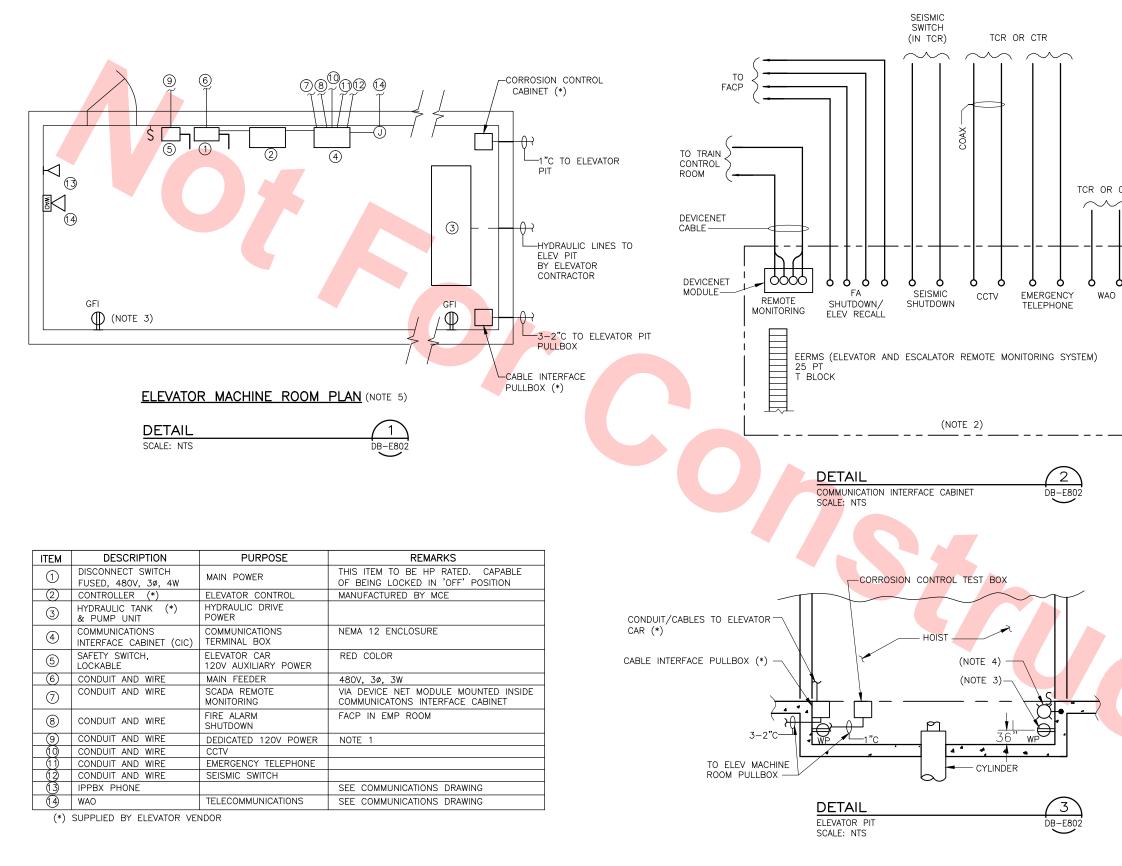
				MECHANIC	AL EQUIPMENT FEEDER SCHEE	ULE			
CIRCUIT NUMBER	APPLICATION		FROM	RU	N TO	CONDUIT SIZE&TYPE		STALLATION REMARKS	
				V // X					i
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							Santa Clara	a Valley Transportation Authority	
								CEPTIONS TAKEN (NET)	— i
							MARE	CORRECTIONS NOTED (MCN) D AND RESUBMIT (A/R)	<u> </u>
							Any action shown a	bove is subject to the terms of the contract - ve the Contractor of any of its obligations	
							under the con	tract, including design and detailing.	
							Contract No <u>.:</u>	DB11002F	
							By:	Date:	
		DESIGNED BY G. LALWANI	AFFA	Skanska				LINE, TRACK, STATIONS AND	SYSTEMS CADD FILL C70
			RADIESS IONA	Skanska Shimmick Herzog			BART	DESIGN UNIT 023	STSTEMS C70
		CHECKED BY	E11904		A Joint Venture	VTA.	BART SILICON VALLEY	MILPITAS STATION ELECTRICAL RACEWAY ANI	CONTRACT
0710 UTE BY SUB APP	READINESS FOR CONSTRUCTION DESCRIPTION	IN CHARGE R. BARLAAN DATE 20130710	CI2/23/1/4	Anil Verma Associates, Inc. 1970 Brookey, Suite 525 Phone: (510) 555-5537 For: (610) 335-2339 TTED	Approved Andrews Try-LIN INTERNATIONAL		LLEY BERRYESSA EXTENSION	CIRCUIT SCHEDULE SHEET 5 OF 5	AREA COL



			designed by G. LALWANI drawn by G. MARAVILLA	PROFESSIONAL SS LIN ELLONAL	Skanska Shimmick Herzog	1436 California Circle Milpitas, California 95035 A Joint Venture	BART
			L. CHEN	E11904			SILICON VALLEY
0	20130710	READINESS FOR CONSTRUCTION	IN CHARGE R. BARLAAN	12/31/14 03 67 ECTRICAL	Allin Verinia Associates, Inc. 1970 Brodewy, Suite 525 Phone: (510) 855-2537 Fox: (\$10),535-2339	Lockwood, Andrews A Nownem, Inc. A LIG A BALY SCHEMANY A LIG A BALY SCHEMANY	
REV	DATE BY SUB APP	DESCRIPTION	20130710	OF CALIFO	SUBMITTED	APPROVEDAOMANTH	BART SILICON VALLEY BERRYESSA EXTENSION

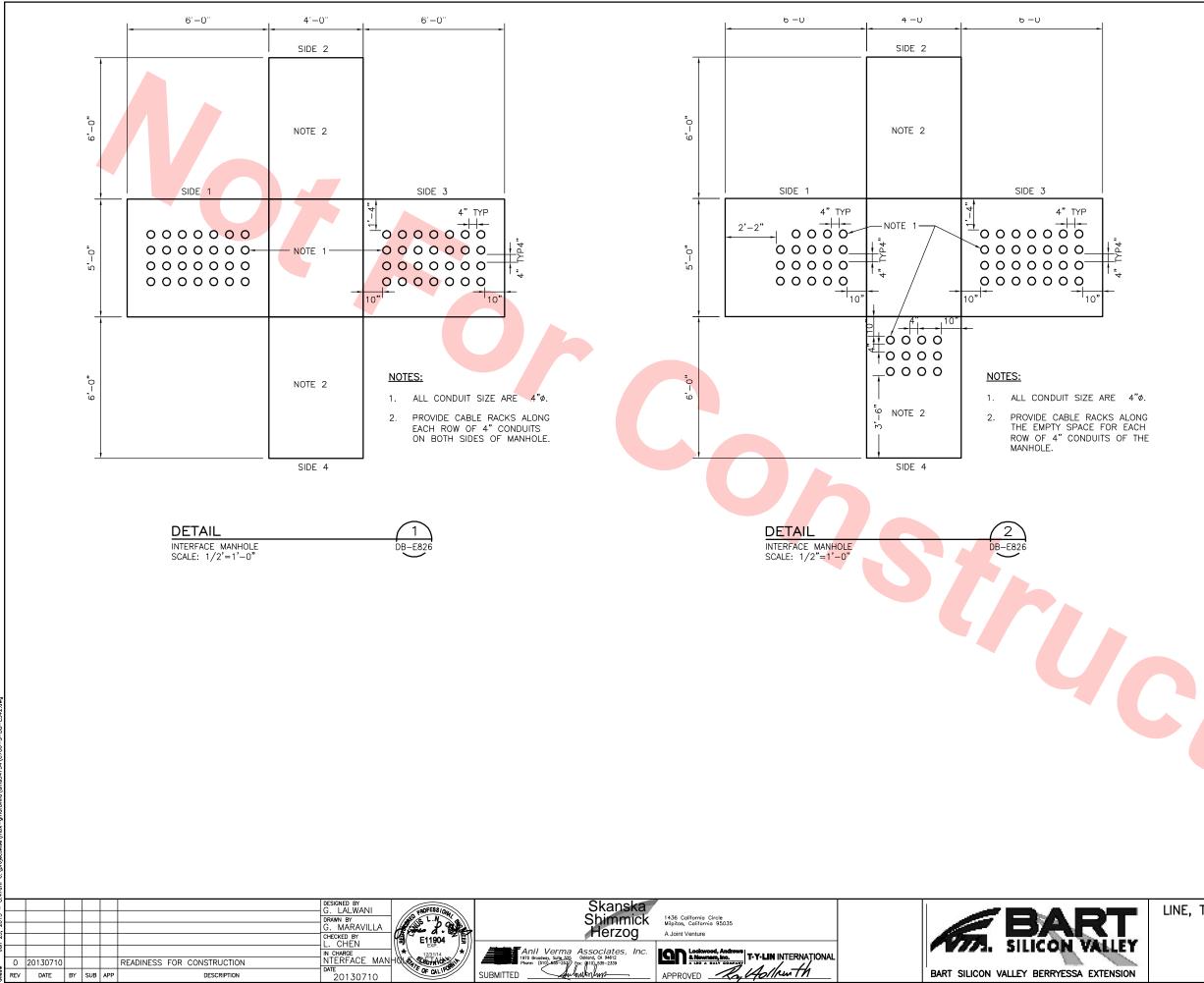
NOTES:

- 1. PROVIDE ONE 20 AMP, 120 VOLT CIRCUIT FOR ESCALATOR CONTROL ROOM, LIGHT FIXTURES AND MINIMUM TWO (2) GF1 DUPLEX RECEPTACLES.



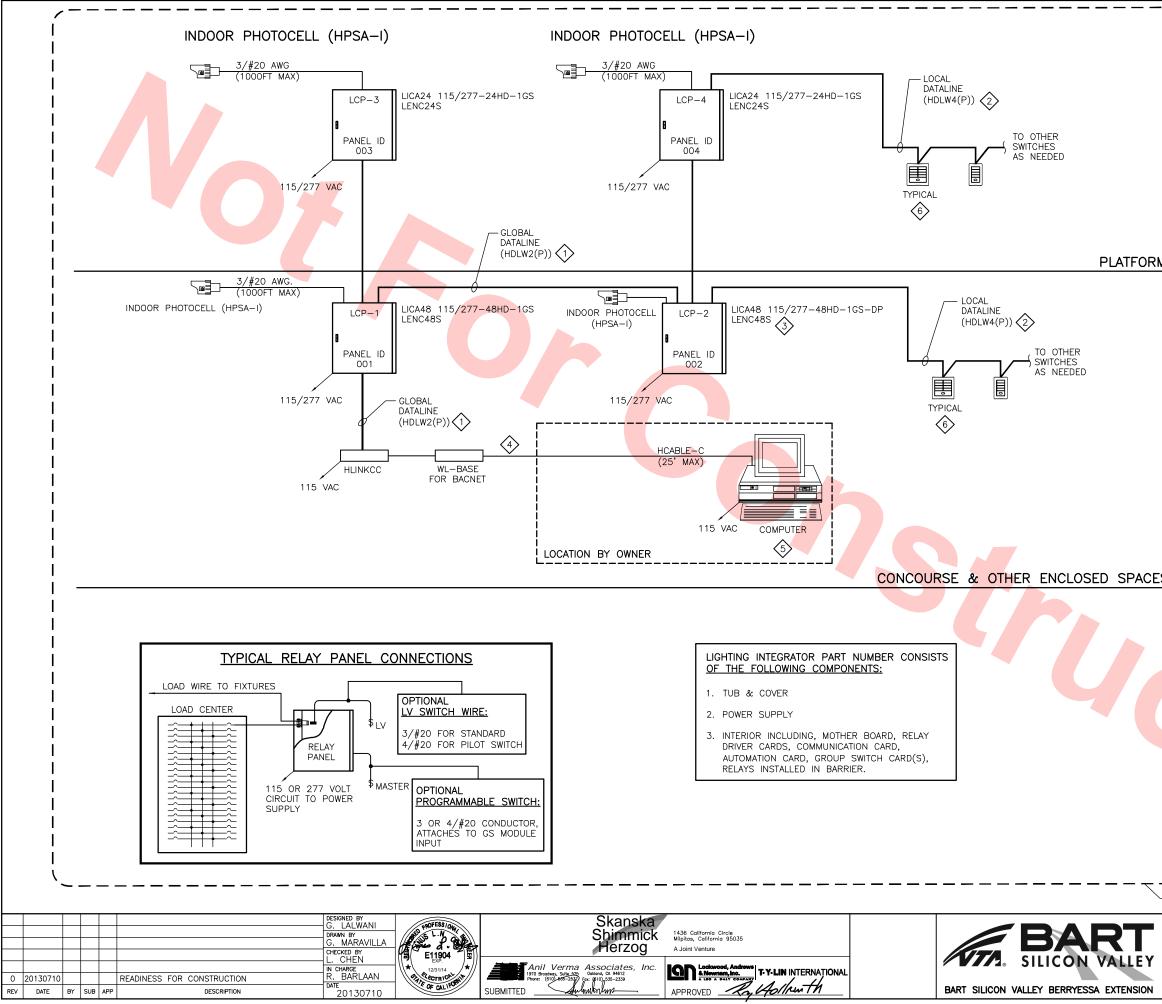
esM Jun Zu, zuib - 4:		0130710			5	READINESS FOR CONSTRUCTION	L. CHEN IN CHARGE R. BARLAAN DATE	PROFESSION S L-1 C L-	Phone: (510) 535-2537) Fax: (610) 535-2339	1436 California Circle Milpitas, California 95035 A Joint Venture DD Lockwood, Andrews A Norman, Inc. A Lice A Data Contract A Data Contra	-	BART SILICON VALLEY
	REV	DATE	BY	SUB	APP	DESCRIPTION	20130710	OF CALIFO	SUBMITTED	APPROVEDAO//runTh		BART SILICON VALLEY BERRYESSA EXTENSION

	_	NOTE	ES		
	R TO SAI	 PROVIDE ONE 20 AMP, 12 FIXTURE AND GFI DUPLEX LOCATE COMMUNICATION IN ADJACENT TO THE CONTROMACHINE ROOM. MINIMUM 2 DUPLEX GFI RI SEALED GASKETED LIGHT F COMPACT FLUORESCENT LA PIT LIGHT AND SWITCH SH. AND 42 INCHES ABOVE THE BOTTOM LANDI ROOM SIZE AND DOOR LO 	OV CIRCU RECEPTACE DLLER IN ECEPTACLI TIXTURE W AMP WITH ALL BE A NG FLOOF	CLE. CABINET THE ELEVAT ES. ITH 25W WIREGUARI CCESSIBLE R LEVEL.	TOR
		Santa Clara Valley Transpo NO EXCEPTIONS TAK MAKE CORRECTION AMEND AND RESUBM Any action shown above is subject to and does not relieve the Contractor under the contract, including o Contract No.: DB1100 By: I	KEN (NET) S NOTED (IIT (A/R) o the terms r of any of i lesign and (2F	MCN) of the contra ts obligation	
			CADD FILEN		
•	DESIG MILPI	TATIONS AND SYSTEMS N UNIT 023 TAS STATION	C700- SIZE SCALE D CONTRACT N	-S-DB-E54 NONE	REV.
		CAL STANDARD ERFACE – ELEVATORS	AREA CODE DB	SHEET NO. E541	PAGE NO. 0931

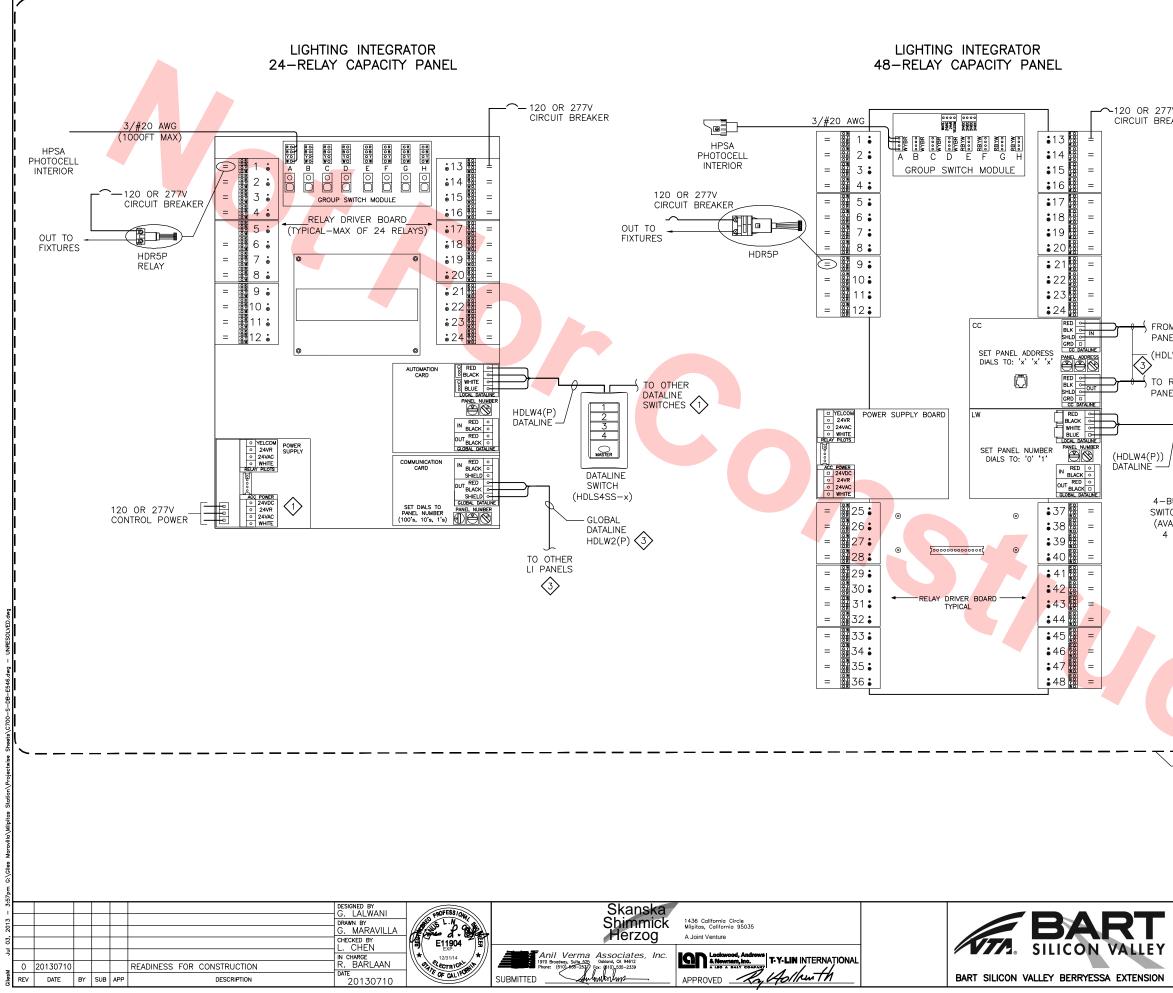


Santa Clara	Valley Transportation Authority	
NO EXCI	EPTIONS TAKEN (NET)	
MAKE C	ORRECTIONS NOTED (MCN)	
AMEND	AND RESUBMIT (A/R)	
Any action shown above is subject to the terms of the contra and does not relieve the Contractor of any of its obligations under the contract, including design and detailing.		
Contract No <u>.:</u>	DB11002F	
By:	Date:	

LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023	CADD FILENAME C700-S-DB-E542.dwg SIZE SCALE D NONE
MILPITAS STATION	CONTRACT NO. C700 0 AREA CODE SHEET NO. DB E542 0932



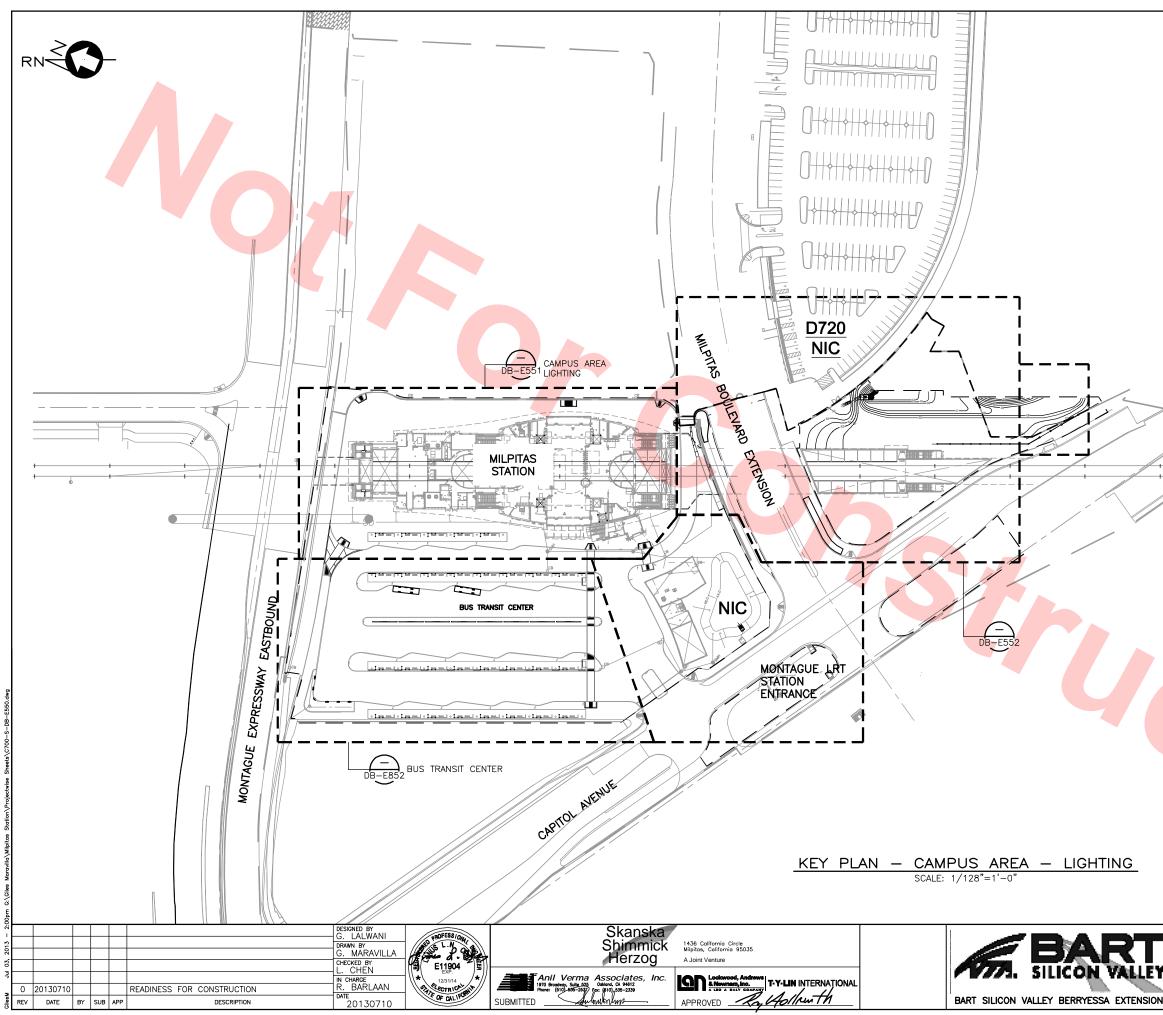
	KEY NO	TES
		A STAR OR FREE
	OF A LOCAL DATALINE FRO AUTOMATION CARD IS (150	HES. THE MAXIMUM LENGTH ^I M EACH LI PANEL WITH AN
	THE DATALINE POWER SUPP (HDPS1CC) CAN BE PLACED	
<u>RM</u>	THE TCP/IP INTERFACE MO TO THE LIGHTING INTEGRATI CARD GLOBAL DATALINE TH DATALINE LINK USING THE THE ETHERNET SIDE USING CONNECTOR. A115V PLUG- SUPPLIED TO POWER THE I WINCONTROL LIGHTING CON TO THE LI DATALINE THROL OWN CONNECTION TO THE	ROUGH THE HLINKCC HCABLE-C CABLE, AND TO A STANDARD RJ45 IN TRANSFORMER IS HLANCC. A PC RUNNING TROL SOFTWARE CONNECTS JGH THE WEBLINK VIA ITS
	5 DESKTOP OR LAPTOP COMP WINCONTROL SOFTWARE.	PUTER RUNNING
	A SINGLE DATALINE SWITCH ANY GROUP OF RELAYS IN IN, OR, BY USING A GROUP CONTROL RELAYS IN OTHER 2, 4, OR 8 BUITON SWITC	THE PANEL IT TERMINATES P CODE, CAN ALSO R PANELS. AVAILABLE IN 1,
ES	Santa Clara Valley Transpo NO EXCEPTIONS TA	KEN (NET)
	MAKE CORRECTION AMEND AND RESUB	
	Any action shown above is subject t and does not relieve the Contracto under the contract, including	or of any of its obligations
	Contract No <u>.: DB1100</u> By:	
		j
E38		'
LINE, TRACK, S	TATIONS AND SYSTEMS	CADD FILENAME C700-S-DB-E545.dwg
	ON UNIT 023 PITAS STATION	SIZE SCALE NONE
	TEM CONTROL DIAGRAM EET 1 OF 2	AREA CODE SHEET NO. PAGE NO. DB E545 0933
<u> </u>		



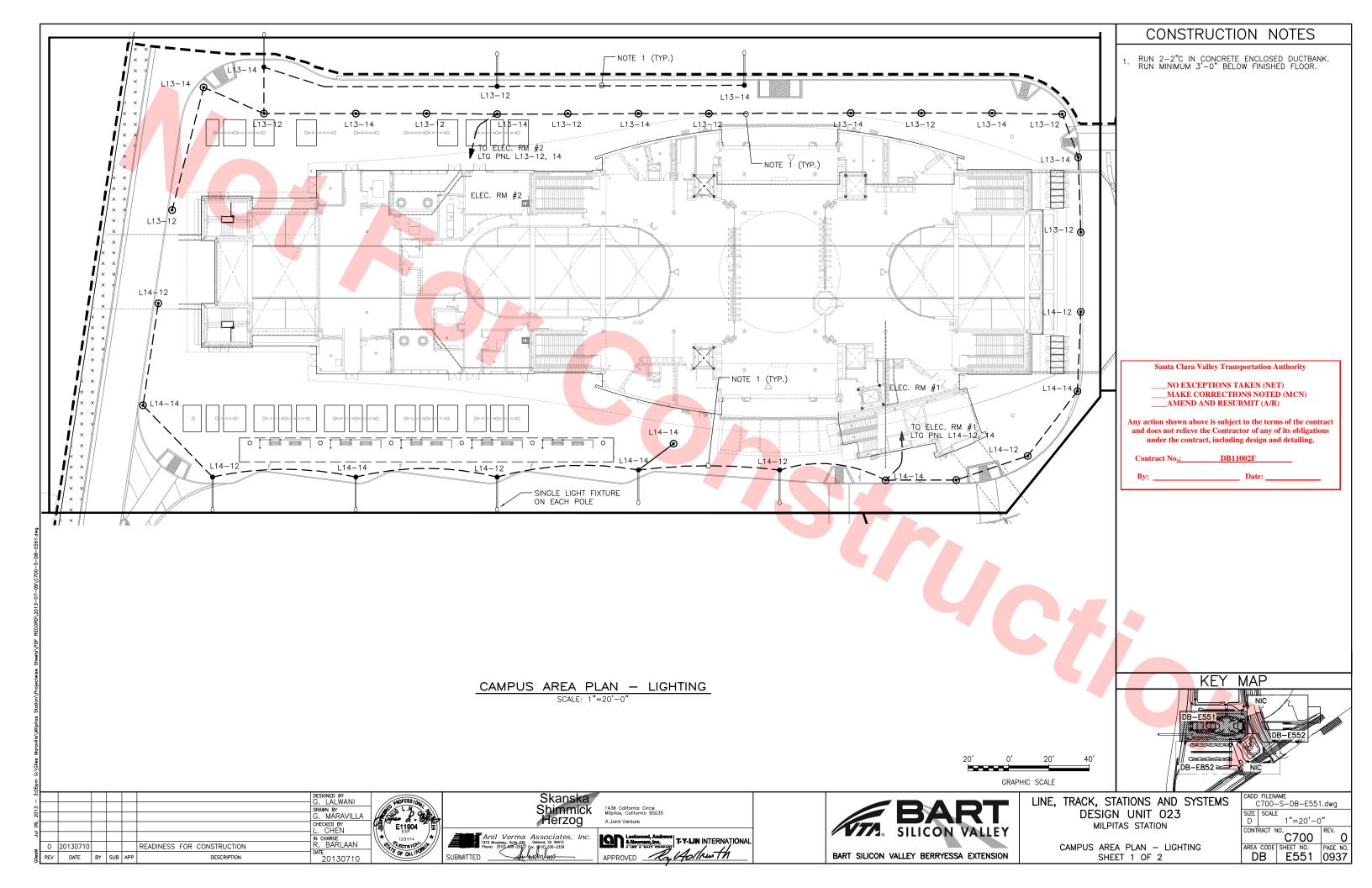
	KEY NO	TES\
77V REAKER	 (1500FT) USING FREE TOI REPEATER AND (8000FT) U MAXIMUM 1000 FEET WITH SWITCHES CONTROLLING TH CONNECTED IN THE FIELD TERMINALS. THE GLOBAL DATALINE IS A DATALINE (HDLW2(P)) THAT IN THE LIGHTING CONTROL MAY BE SPLICED TO FORM 	AUTOMATION CARD IS POLOGY WITHOUT A ISING LINEAR TOPOLOGY. #20 AWG WIRE. ADDITIONAL E SAME ZONE CAN BE OR AT THE RELAY PANEL A 2/#18 TWISTED, SHIELDED SHOULD ONLY BE SPLICED PANELS. THE DATALINE A STAR OR FREE TOTAL CONNECTED DATALINE WITH A FREE TOPOLOGY
OM RELAY NEL/DEVICE DLW2(P)) CC DATALINE RELAY NEL/DEVICE TO OTHER DATALINE SWITCHES -BUTTON DATALINE ITCH (HDLS4SS-X) VAILABLE IN 1, 2, 4 & 8 BUTTON)	Santa Clara Valley Trans NO EXCEPTIONS TA MAKE CORRECTIO AMEND AND RESUI Any action shown above is subject and does not relieve the Contract under the contract, includin Contract No.: DB110 By:	AKEN (NET) NS NOTED (MCN) BMIT (A/R) t to the terms of the contract tor of any of its obligations g design and detailing.
E38		
, DESIG	TATIONS AND SYSTEMS IN UNIT 023 PITAS STATION TEM CONTROL DIAGRAM	CADD FILENAME C700-S-DB-E546.dwg SIZE SCALE D NONE CONTRACT NO. C700 0 AREA CODE SHEET NO. PAGE NO.
	EET 2 OF 2	DB E546 0934

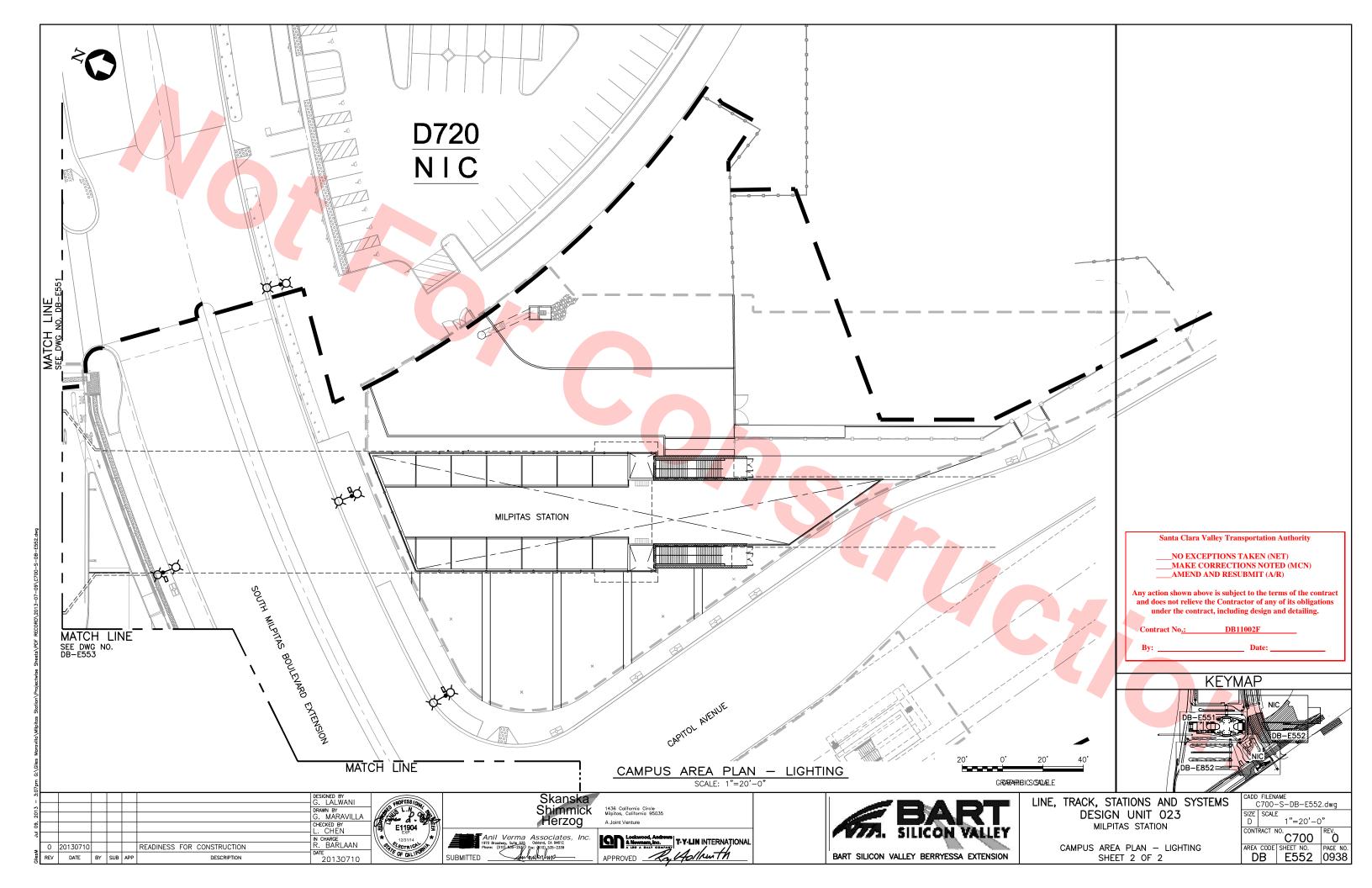
	LCP1	 CONCOURSE_L	EVEL ELECT	RICAL ROOM	 1 #1		LCP2	-CONCOURSE L	EVEL ELECTR	ICAL ROOM #2		LCP	3-PLATFORM LE	VEL ELECTRI	CAL ROOM	#3
RELAY #		LOCATION	EMERGENCY			RELAY #	ZONE/ FIXTURES	LOCATION	EMERGENCY	NORMAL BRANCH CKT CONTROL DEVICE	RELAY #	ZONE/ FIXTURES	LOCATION	EMERGENCY BRANCH CKT	NORMAL BRANCH CKT	" CONTROL DEVICE
1	B9-MH	COL 1-COL 5	EL251-9			1	B9-MH	COL 17-COL 23.5	EL252-9		1	B13-FL	COL 1-COL 11.5	EL251-2		
2	B9-MH	COL 1-COL 5		L13-7		2	B9-MH	COL 17-COL 23.5		L14-9	2	B13-FL	COL 1-COL 11.5		L15-5	
3	B2-LED	COL 5-COL 6	EL251-1			3	B2-LED	COL 16-COL 17	EL252-1		3	B13-FL	COL 1-COL 11.5		L15-7	
4	B2-LED	COL 5-COL 6		L13-1		4	B2-LED	COL 16-COL 17		L14-1	4	B14-MH	COL 1-COL 4		L15-1	
5	B2-LED	COL 5-COL 6		L13-1		5	B2-LED	COL 16-COL 17		L14-1	5	B15-FL	COL 4-COL 9		L15-3	
6	B2-LED	COL 6-COL 14	EL251-7			6	B12-LED	COL 10.5-COL 12.5		L14-6	6	ВЗА,ВЗВ-МН	COL 4-COL 9	EL251-10		
7	B2-LED	COL 6-COL 14		L13-4		7	B8-FL	COL 10.5-COL 12.5		L14-6	7	B16-LED	COL 9-COL 11		L15-2	
8	B1-FL	COL 6-COL 11	EL251-3			8	B1-FL	COL 11-COL 16	EL252-3		8	B16-LED	COL 9-COL 11		L15-4	
9	B1-FL	COL 6-COL 11		L13-5		9	B1-FL	COL 11-COL 16		L14-5	9	B5-MH	COL 9-COL 14		L15-6	
10	B1-FL	COL 6-COL 11		L13-5		10	B1-FL	COL 11-COL 16		L14-7	10	B32	COL 10-COL 11		L15-6	
11	B4-MH	COL 6-COL 11		L13-3		11	B4-MH	COL 13-COL 16		L14-3	11		NORTH ROOMS			
12	B3-MH	COL 6-COL 10		L13-3		12	ВЗ-МН	COL 13-COL 16		L14-3	12		FIRE DEPT STORAGE			
13	B17-MH	COL 6-COL 10		L13-3		13	B17-MH	COL 13-COL 16		L14-3	13		ELECTRICAL RM #3			
14	B11-FL	COL 6-COL 10.5		L13-9		14	B11-FL	COL 10.5-COL 16		L14-11	14		CARWASH EQPT RM 1			
15	B8-FL	COL 6-COL 11	EL251-5			15	B8-FL	COL 11-COL 16	EL252-5		15		COMM TERM RM #2			
16	B10-LED	COL 6-COL 11		L13-2		16	B10-LED	COL 12-COL 16		L14-2	16		ATTENDANT RM			
17	B7-FL	COL 6 & COL 10-11		L13-9		17	B7-FL	COL 16		L14-11	17					
18	B3-MH	STAIRS/ESCALATORS	EL251-4			18	B3-MH	STAIRS/ESCALATORS	EL252-4		18					
19	B1A-FL	, STAIRS/ESCALATORS	EL251-4	1		19	B1A-FL	STAIRS/ESCALATORS	EL252-4		19					
20	B6-LED	STAIRS HANDRAILS	EL251-6	1		20	B6-LED	STAIRS HANDRAILS	EL252-6		20					
	NEWEL COMB	ESCALATORS	EL251-6	1		21	NEWEL COMB	ESCALATORS	EL252-6		21					
22		ELECTRICAL RM #1		L13-6		22		MEN'S RESTROOM		L14-8	22					
23		ESCALATOR RM #3		L13-8		23		WOMEN'S RESTROOM		L14-10	23					
24		VESTIBULE				24		GROUND MAINT			24					
25		COMPUTER RM #1				25		COMPUTER RM #2								
26		TELCO TM				26		JANITOR								
27		COMM TERM #1				27		ELEV MACH RM								
28		ELEC/ESC PARTS				28		HVAC RM								
29		MAINTENANCE RM				29		TCR				LCP	4-PLATFORM LE	VEL ELECTRI	CAL ROOM	#4
30		EMER EXIT #2				30		BATTERY RM #2			RELAY		LOCATION	EMERGENCY	NORMAL	
31		STORAGE RM-5				31		BATTERY RM #1			#	FIXTURES	LUCATION	BRANCH CKT	BRANCH CKT	CONTROL DEVICE
32		VALVE/PUMP RM				32		EMER EXIT #1			1	B13-F	COL 11.5-COL 21	EL252-2		
33		COMM WORKSHOP				33		TREASURY VAULT			2	B13-F	COL 11.5-COL 21		L16-5	
34		ADMIN OFFICE				34		EMP RM			3	B13-F	COL 11.5-COL 21		L16-7	
35		STORAGE RM-L				35		STAFF LOCKER			4	B14-MH	COL 19-COL 21		L16-1	
36		RESTROOM				36		COMPUTER RM #3			5	B15-F	COL 14-COL 18		L16-3	
37		BREAK RM				37		STAFF BREAK RM			6	ВЗА,ВЗВ-МН	COL 14-COL 18	EL252-10		
38		LOCKER RM				38		ELECTRICAL RM #2			7	B16-LED	COL 12-COL 14		L16-2	
39		STA AGENT BOOTH				39		STAFF RESTROOM			8	B16-LED	COL 12-COL 14		L16-4	
40		EXIT SIGNS	EL251-11			40		CAR CLEANING OFF	EL252-11		9	B5-MH	COL 9-COL 14		L16-6	
41						41		EXIT SIGNS			10	B <mark>32-M</mark> H	COL 12-COL 13		L16-6	
42						42		-			11	FL	SOUTH ROOMS			
43						43			Santa Clara	Valley Transportation Authority	12		CAR KIOSK #1			
44						44			NO EXC	EPTIONS TAKEN (NET)	13		CAR KIOSK #2			
45						45			MAKE	ORRECTIONS NOTED (MCN)	14		CARWASH EQPT RM 2			
46						46			AMEND	AND RESUBMIT (A/R)	15		ELECTRICAL RM #4			
47						47			Any action shown ab	ove is subject to the terms of the contract	16		JANITOR RM #2			
48						48			and does not relieve	the Contractor of any of its obligations	17		E OF L 1ST LEVEL			
				-					under the confi	act, including design and detailing.	18		E OF L 2ND LEVEL			
									Contract No <u>.:</u>	DB11002F	19					
									Bv:	Date:	20					
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		. 									23				+	
								_	E3	8)	24					
			·	50 DY 1			<u>.</u>									
				AWANI	ROFESSION		Skanska						LINE, TRACK	, STATIONS A	ND SYSTEMS	CADD FILENAME C700-S-DB-
			G. M	IARAVILLA			Shimmic	· · · · · · · · · · · · · · · · · · ·				RT N VALLE	DE	SIGN UNIT C)23	SIZE SCALE
			CHECKE		E11904		Herzog	A Joint Venture			SILICO		v	MILPITAS STATION	N	D NC
			I. U													
0710	DEADWER	S FOR CONSTRUCTION		RGE *\		Anil Verma 970 Broodway, Suite 525	Associates, Inc Ookland, CA 94612 ax: (610),535-2339	C. Lockwood, Andrews & Newman, Inc. A List A PALY COMPANY APPROVED	T.Y.LIN INTERNATIONA		JILICO	N VALLE		LIGHTING SYSTEM		AREA CODE SHEET N DB E54

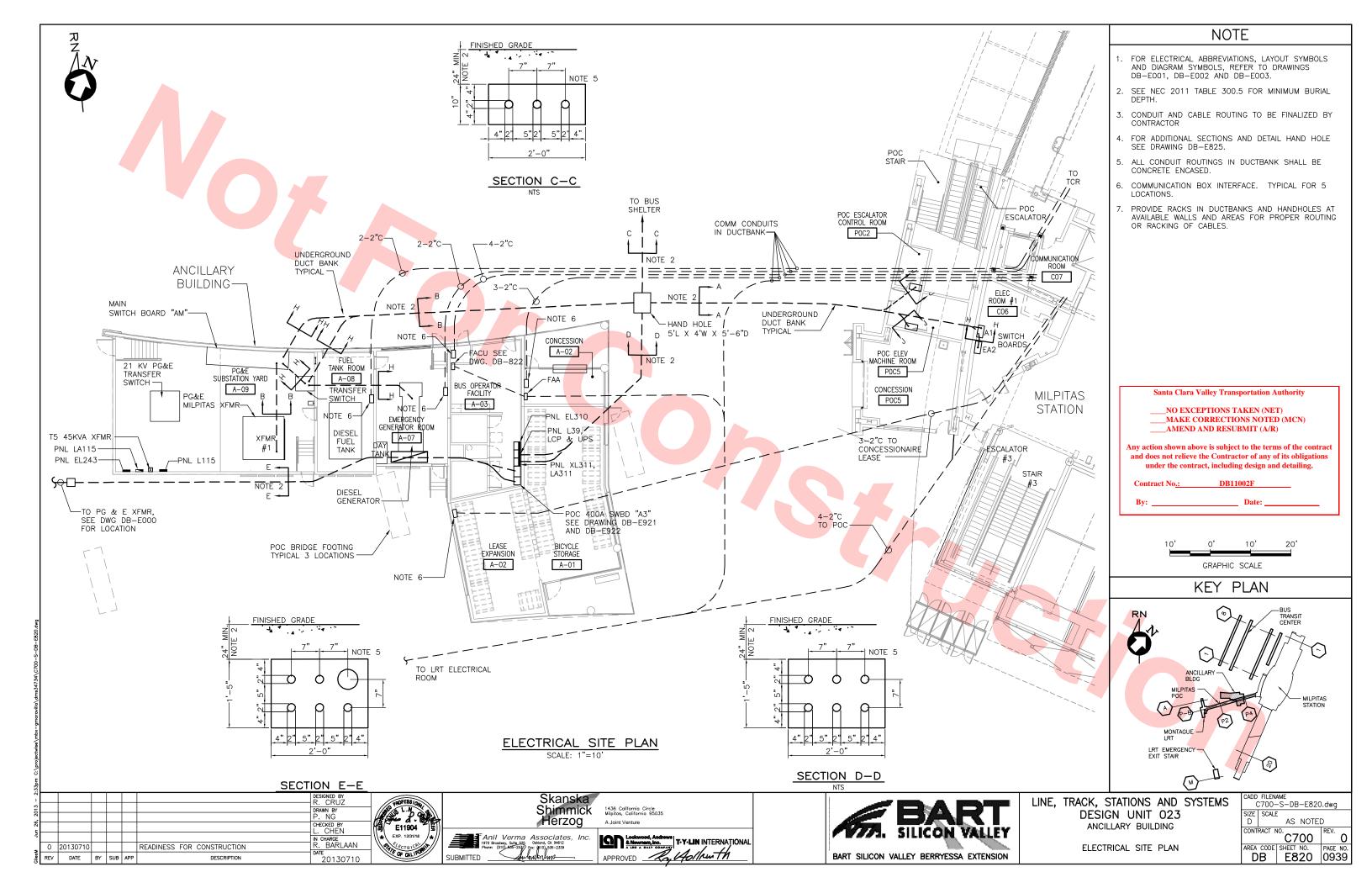
-PLATFORM LEV	VEL ELECTRIC	CAL ROOM	#3
LOCATION	EMERGENCY BRANCH CKT	NORMAL BRANCH CKT	CONTROL DEVICE
COL 1-COL 11.5	EL251-2		
COL 1-COL 11.5		L15-5	
COL 1-COL 11.5		L15-7	
COL 1-COL 4		L15-1	
COL 4-COL 9		L15-3	
COL 4-COL 9	EL251-10		
COL 9-COL 11		L15-2	
COL 9-COL 11		L15-4	
COL 9-COL 14		L15-6	
COL 10-COL 11		L15-6	
NORTH ROOMS			
FIRE DEPT STORAGE			
ELECTRICAL RM #3			
CARWASH EQPT RM 1			
COMM TERM RM #2			
ATTENDANT RM			

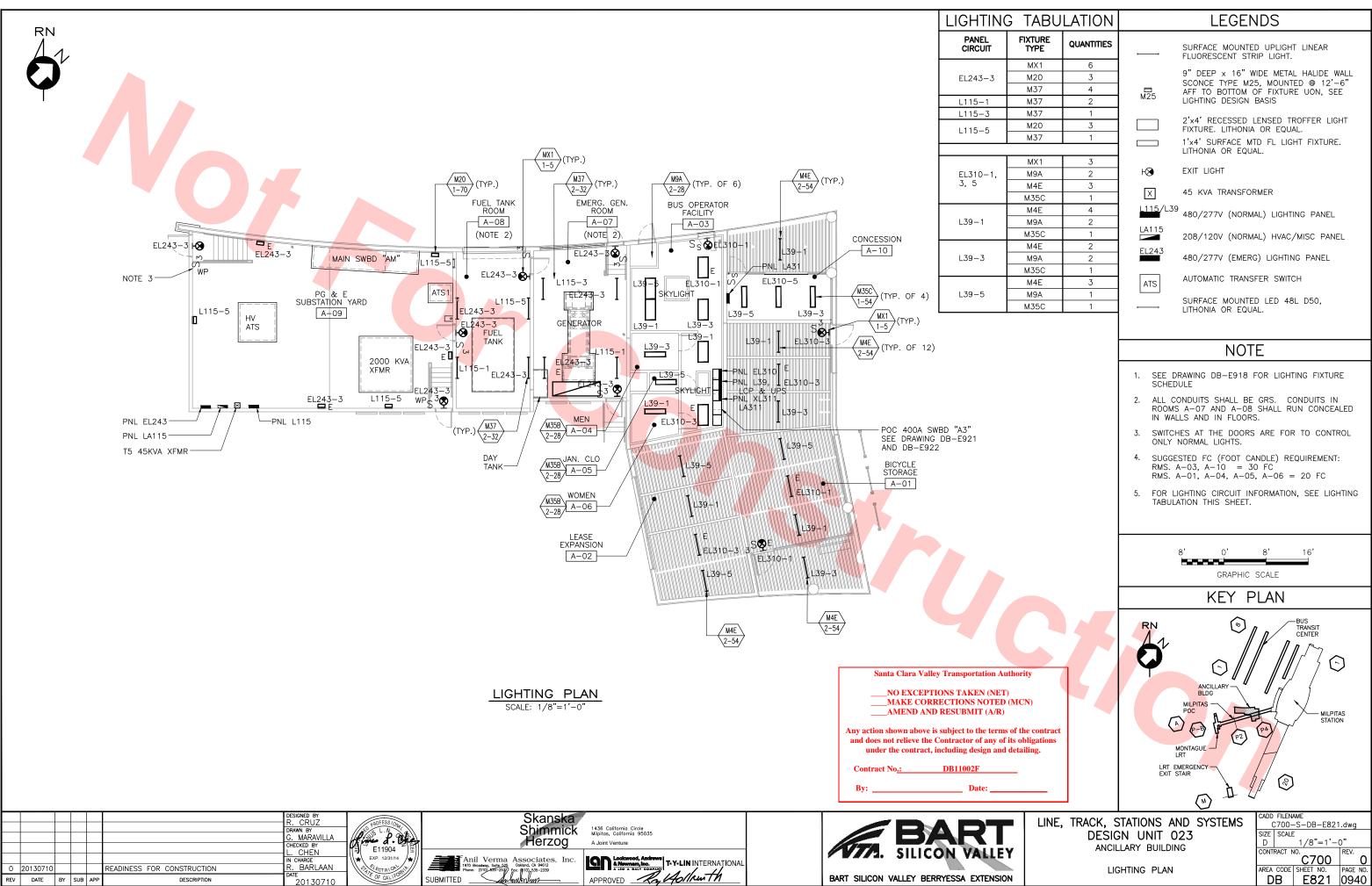


			CONS	TRUCTIO	NC	NOTES	
		1.	MODEL LUMI MOUNTED 26	D INSTALL CIT NAIRE POLE W 2 ABOVE THE ET, MOUNTED	ITH 15 GROUN	00 BRACKET, JD (150 W) A	ND
		2.	HEAD LARGE	D INSTALL CIT MODEL LUMIN DUNTED 26'F	VAIRE F	POLE WITH 10	00
		3.		D INSTALL CAL E, MOUNTED C			
		4.		D INSTALL CAL RE, MOUNTED			
		5.		D INSTALL VTA FIXTURE, MO 50 W).			
		6.		D INSTALL VTA FIXTURE, MO 50 W).			
		7.	MODEL LUMI	D INSTALL CIT NAIRE POLE W 3' FROM THE	ITH SIN	IGLE MOUNTIN	
		8.	HEAD LARGE BRACKET, M	D INSTALL CIT MODEL LUMIN DUNTED 26' F	VAIRE F	POLE WITH 10	00
		9.		D INSTALL LUN , SEE TRAFFIC			२
			LOMINAIRE	FORMATION.			
j							
			Santa Cla	ra Valley Trans	portation	1 Authority	
			MAKI	CEPTIONS TA	NS NOT	ED (MCN)	
			y action shown	above is subject eve the Contract	to the te	erms of the conti	
	445			ntract, including DB110		and detailing.	
			By:				
			64	0'	64	128	
				GRAPHIC S			
	LINE, TRACK, S			SYSTEMS	CADD FII C70 SIZE S0	00-S-DB-E550	D.dwg
•			NIT 023 STATION		D CONTRAC	1/128"=1'	REV.
-	KEY PL/	AN CA LIGHT	MPUS AREA		AREA CO	C700 DE SHEET NO. E550	0 PAGE NO. 0936
					טט ו		10000





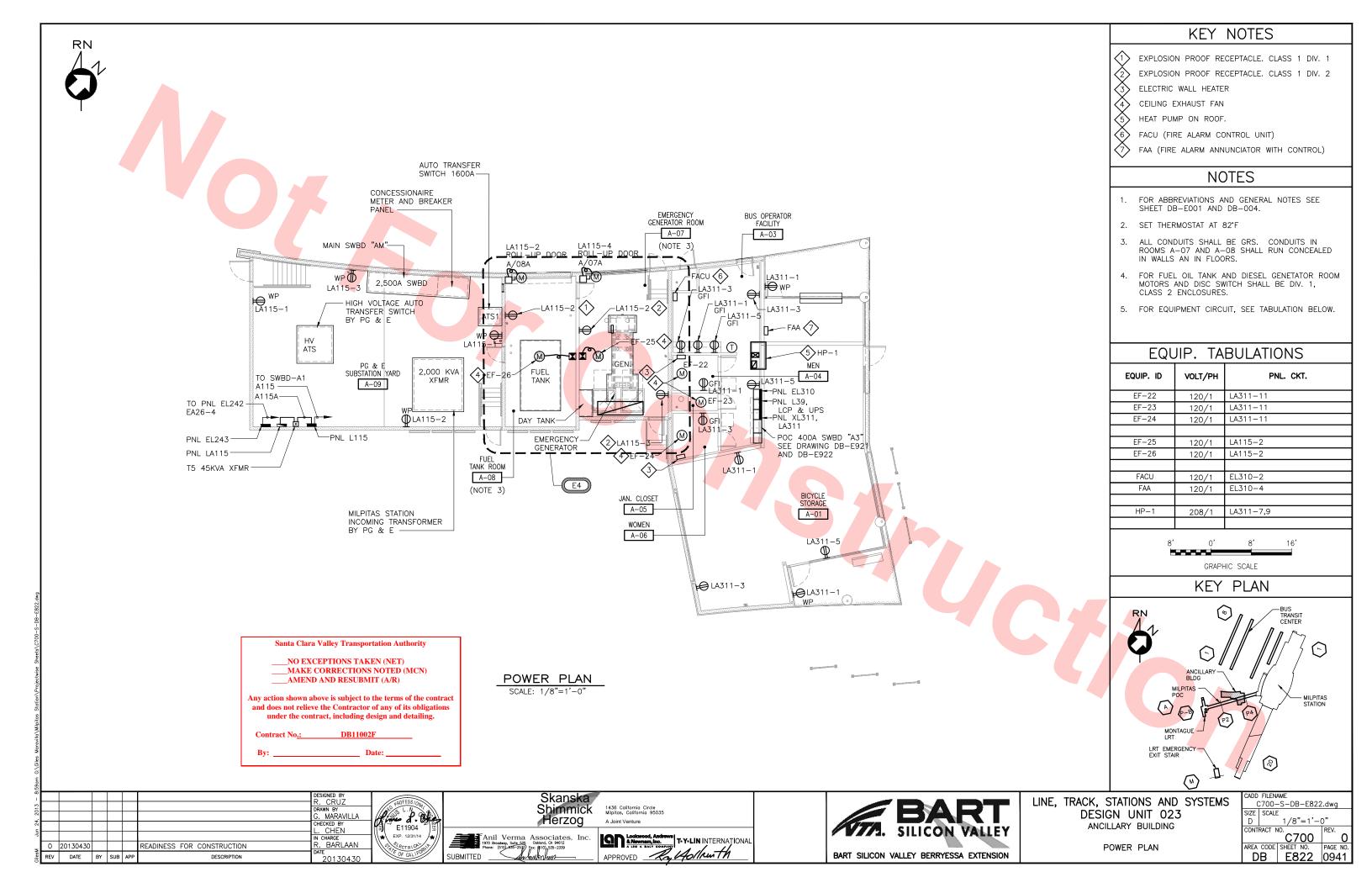


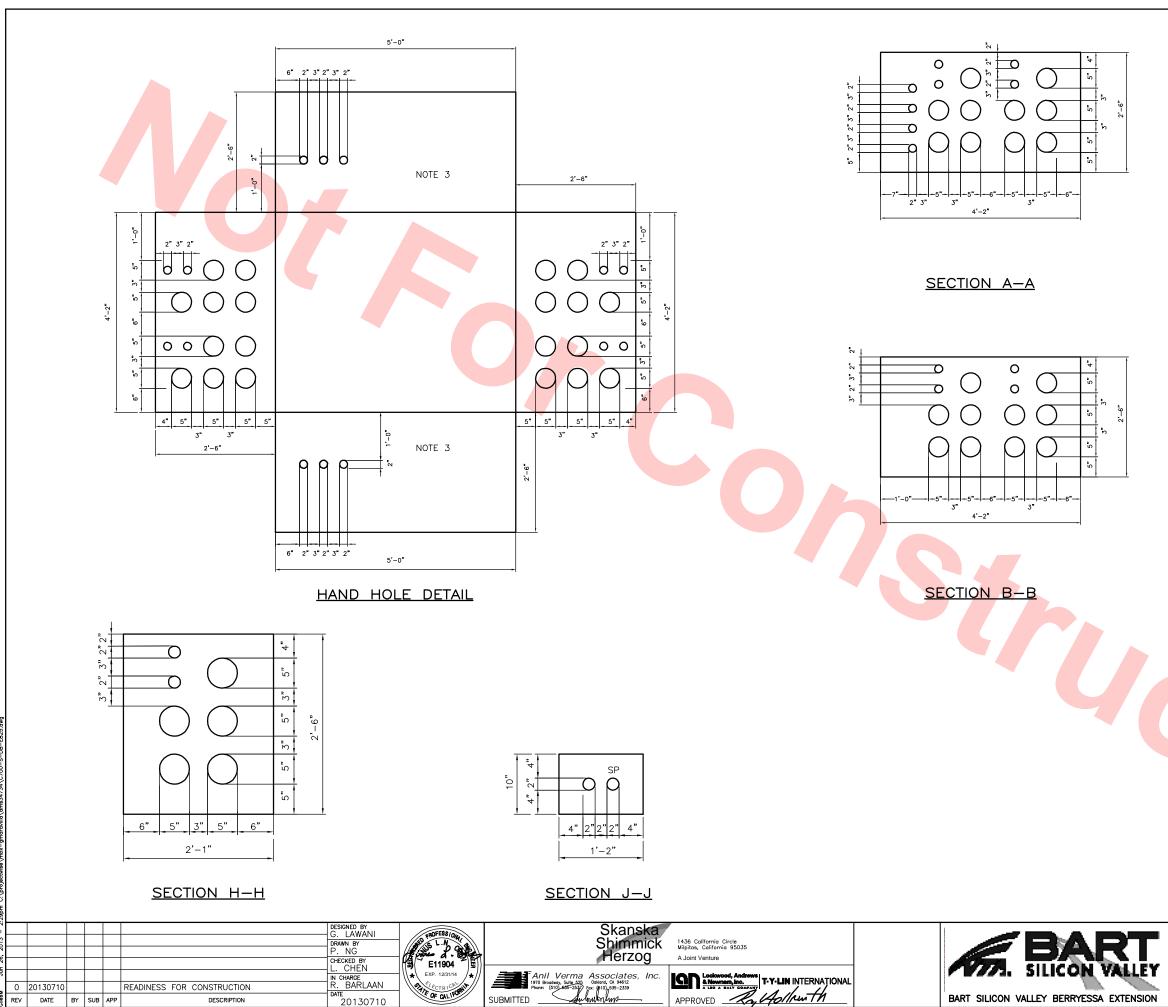


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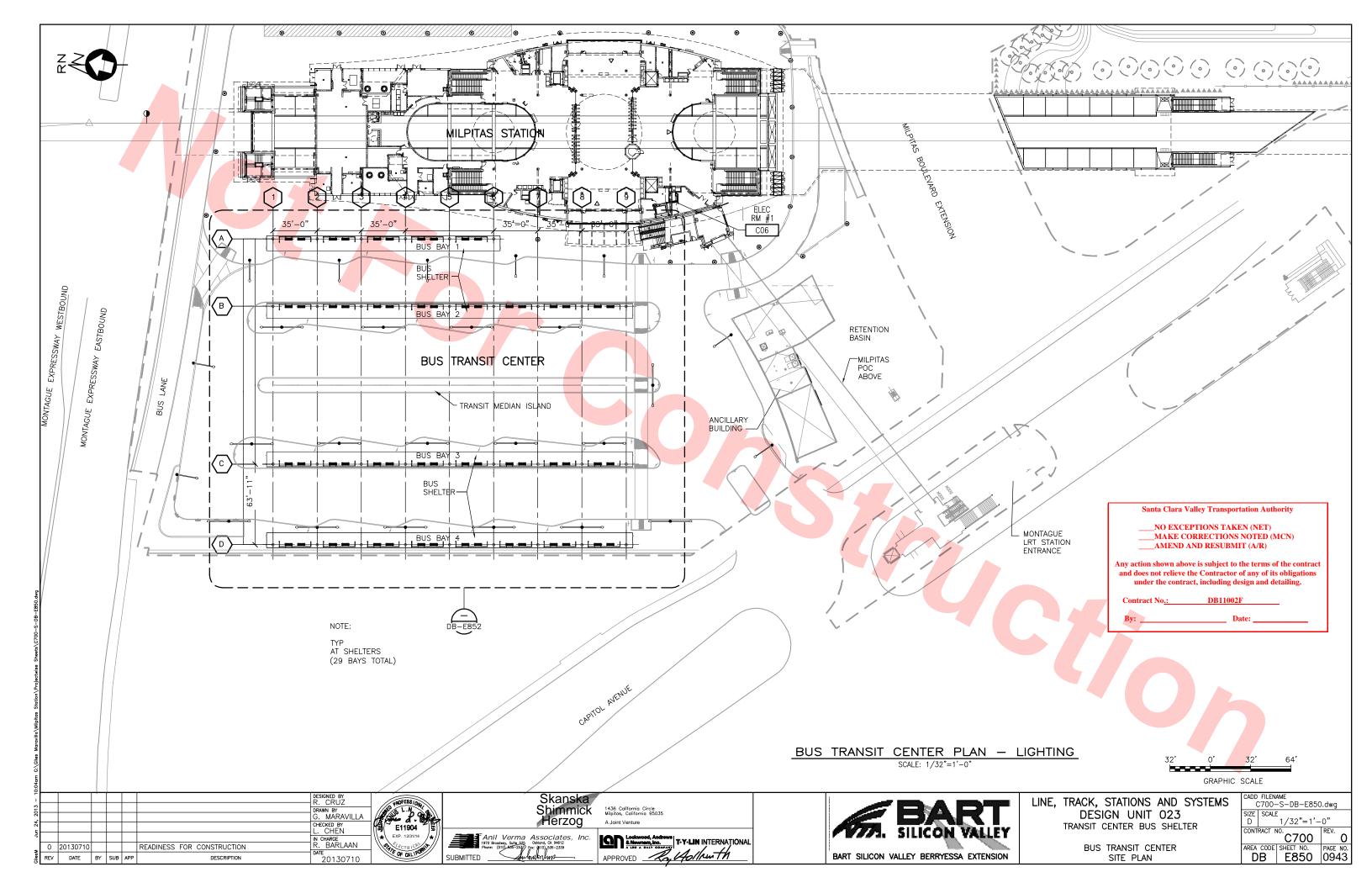
FIXTURE TYPE	QUANTITIES
MX1	6
M20	3
M37	4
M37	2
M37	1
M20	3
M37	1
	-
MX1	3
M9A	
M4E	2 3
M35C	1
M4E	4
M9A	2
M35C	1
M4E	2
M9A	2
M35C	1
M4E	3
M9A	1
M35C	1

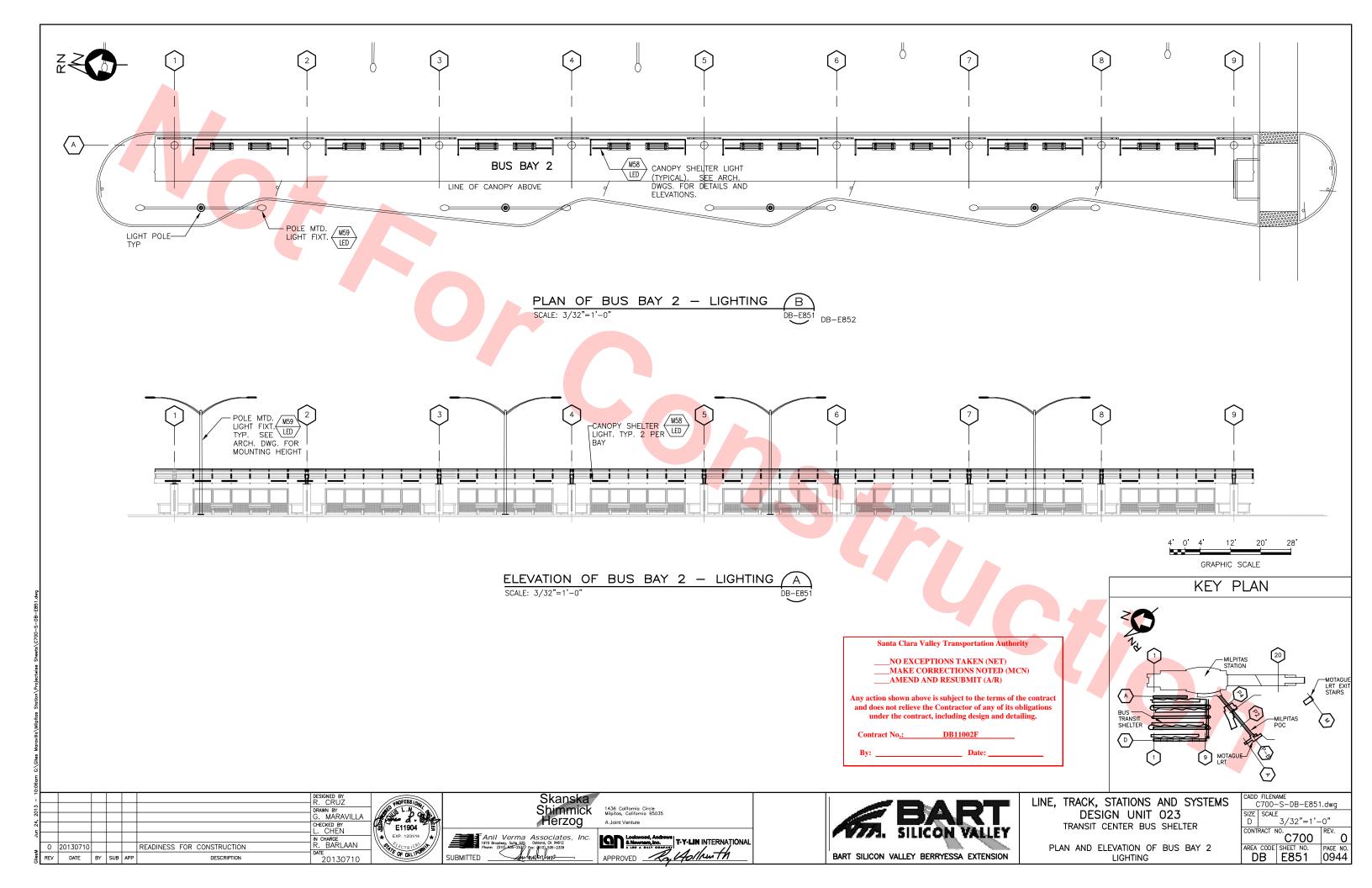
	LEGENDS
	SURFACE MOUNTED UPLIGHT LINEAR FLUORESCENT STRIP LIGHT.
M25	9" DEEP x 16" WIDE METAL HALIDE WALL SCONCE TYPE M25, MOUNTED @ 12'-6" AFF TO BOTTOM OF FIXTURE UON, SEE LIGHTING DESIGN BASIS
	2'x4' RECESSED LENSED TROFFER LIGHT FIXTURE. LITHONIA OR EQUAL. 1'x4' SURFACE MTD FL LIGHT FIXTURE. LITHONIA OR EQUAL.
НŒ	EXIT LIGHT
X	45 KVA TRANSFORMER
L115/L39	480/277V (NORMAL) LIGHTING PANEL
LA115	208/120V (NORMAL) HVAC/MISC PANEL
EL243	480/277V (EMERG) LIGHTING PANEL
ATS	AUTOMATIC TRANSFER SWITCH
	SURFACE MOUNTED LED 48L D50, LITHONIA OR EQUAL.

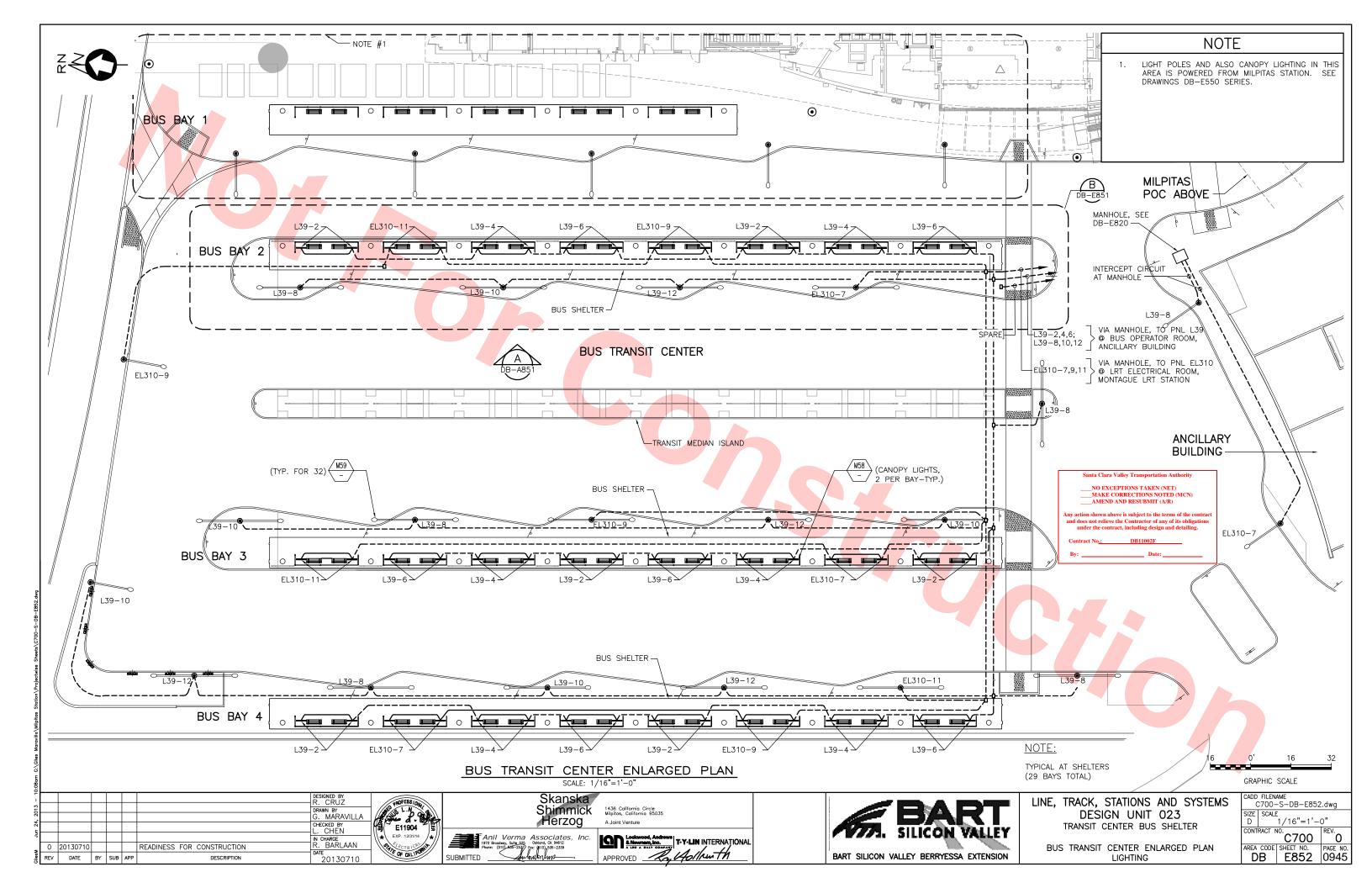


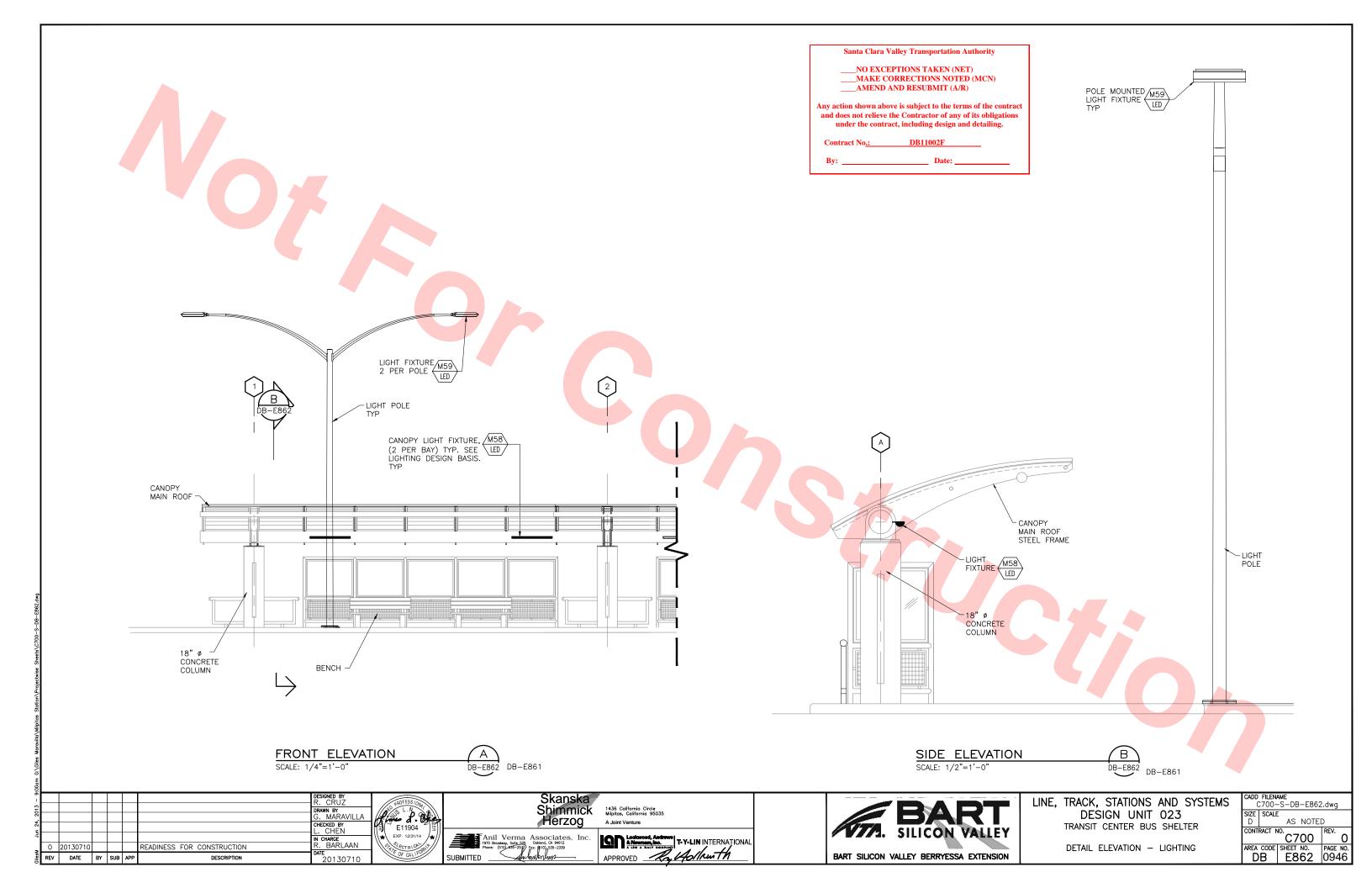


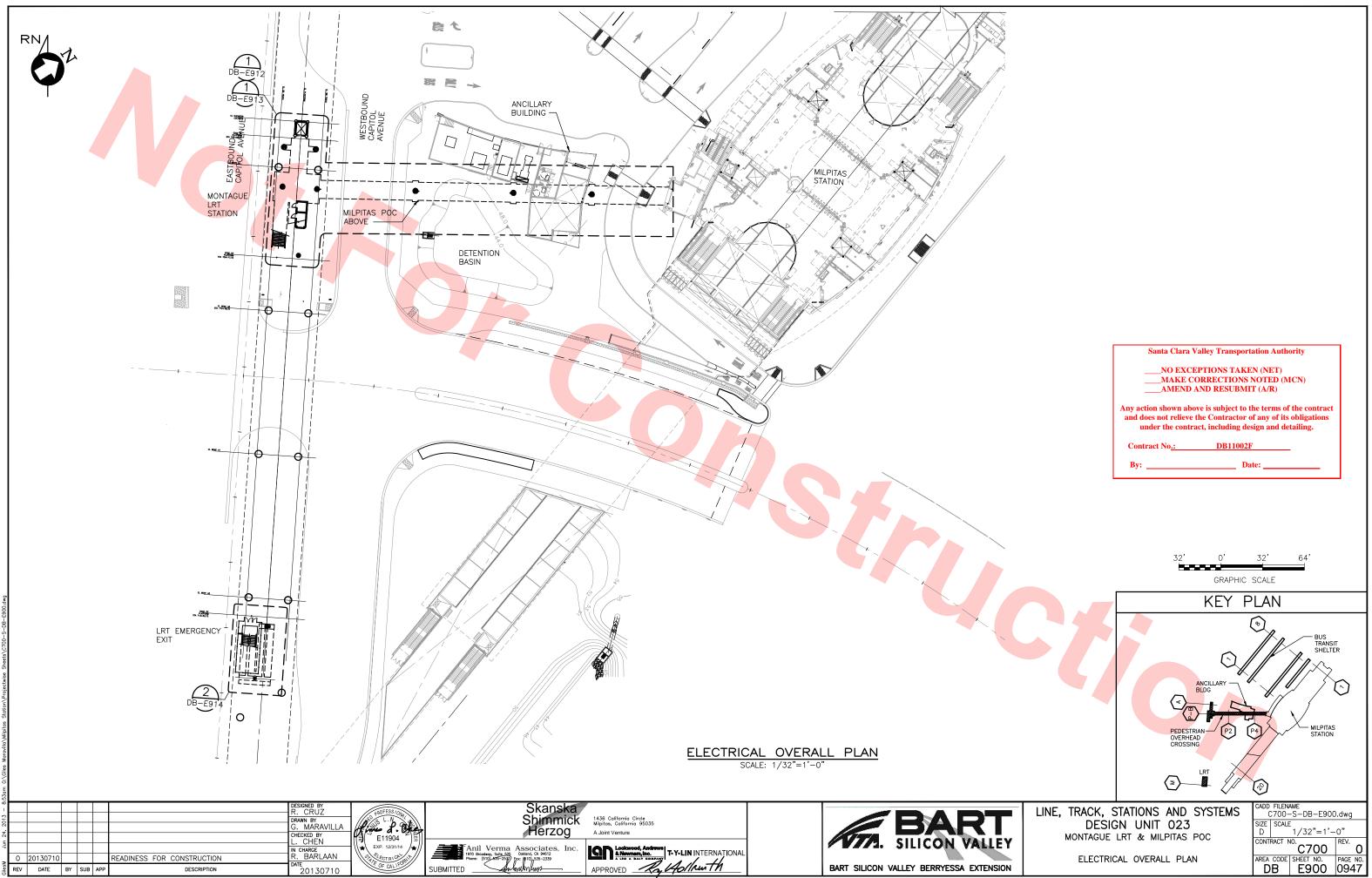
		NOTE	S			
	UNDERGROU	TS IN DUCT BAN ND AND THE TOP 0 INCHES BELOV	P OF THE	DUCT BAN		
		CTIONS AND DET EFER TO DRAWIN			;	
	AVAILABLE W	CKS IN DUCTBAN (ALLS AND AREAS OF CABLES.				
	Santa Cl	Volloy Tuongoo	utation Au	thouity	_	
	NO E	ara Valley Transpo XCEPTIONS TAK E CORRECTIONS	EN (NET)			
	Any action shown and does not rel		MIT (A/R) to the terms of the contract or of any of its obligations			
		DB11002	-	_		
	By:	I	Date:			
-7						
LINE, TRACK, S DESIG	STATIONS AND		SIZE SCALE	-S-DB-E825	ō.dwg	
ANCIL	LARY BUILDING		D CONTRACT N	C700	REV. O	
UNDERGROUN	ND DUCTBANK D	ETAILS	AREA CODE	E825	PAGE NO.	

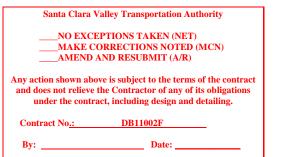


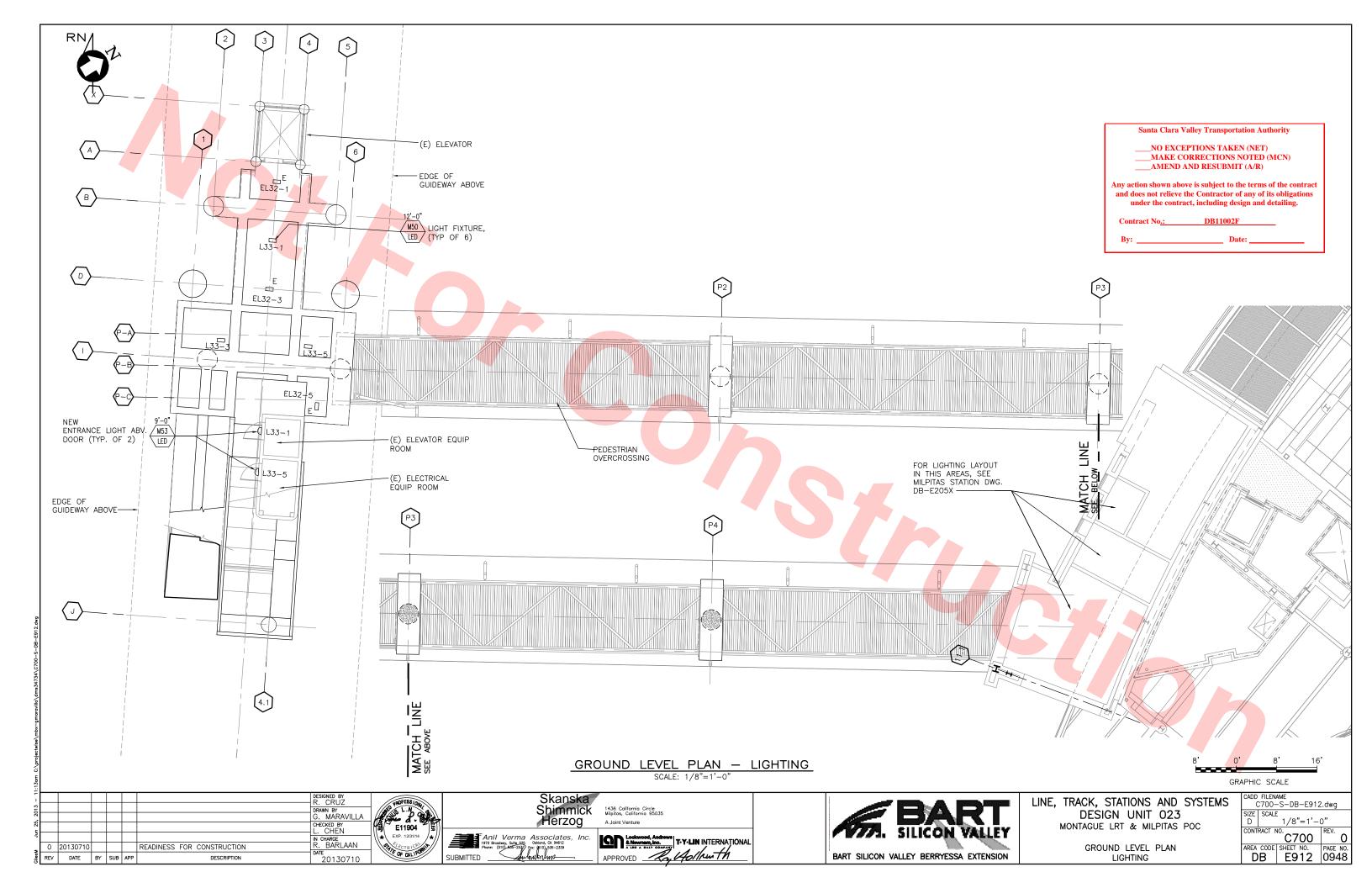


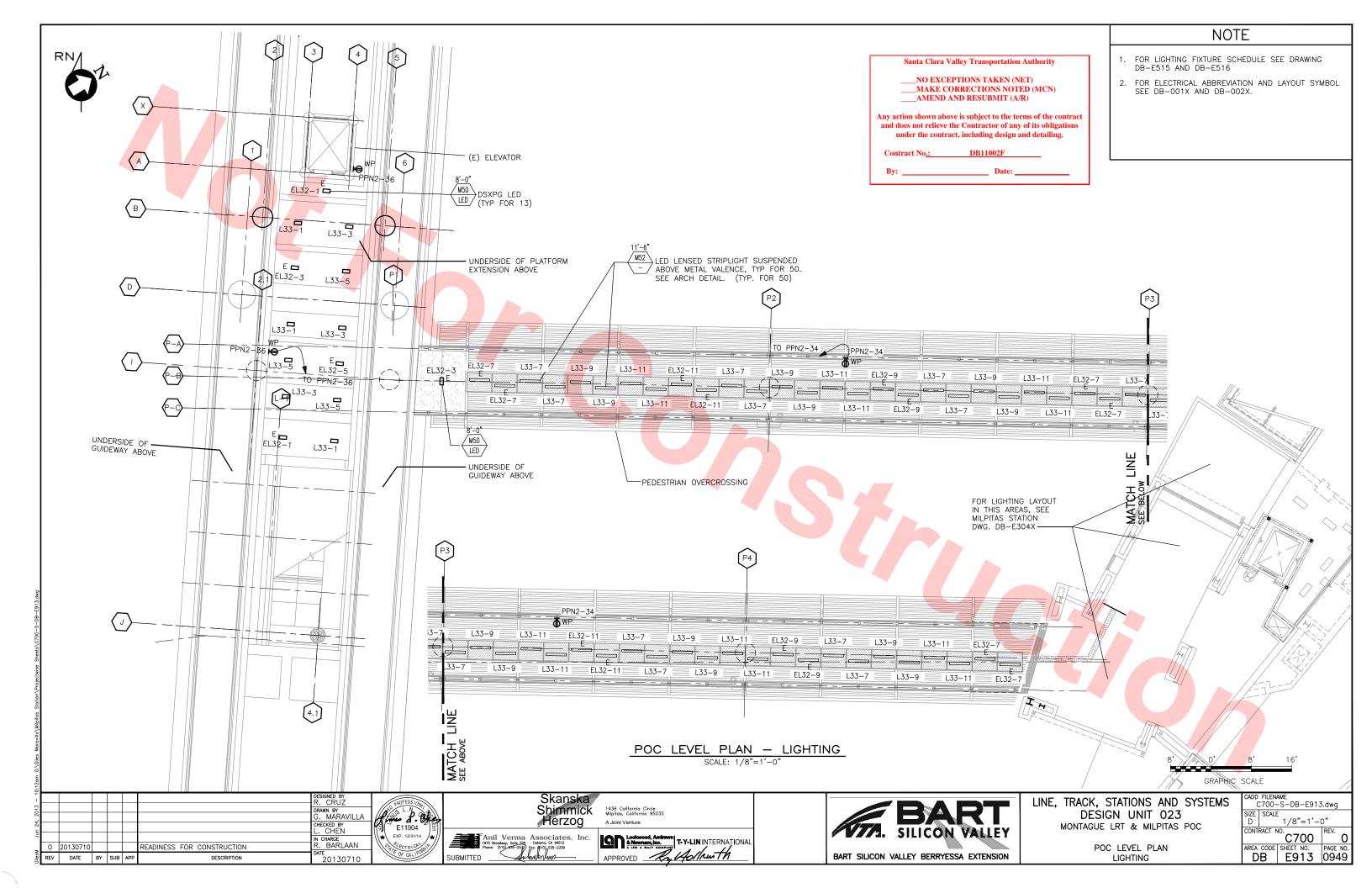


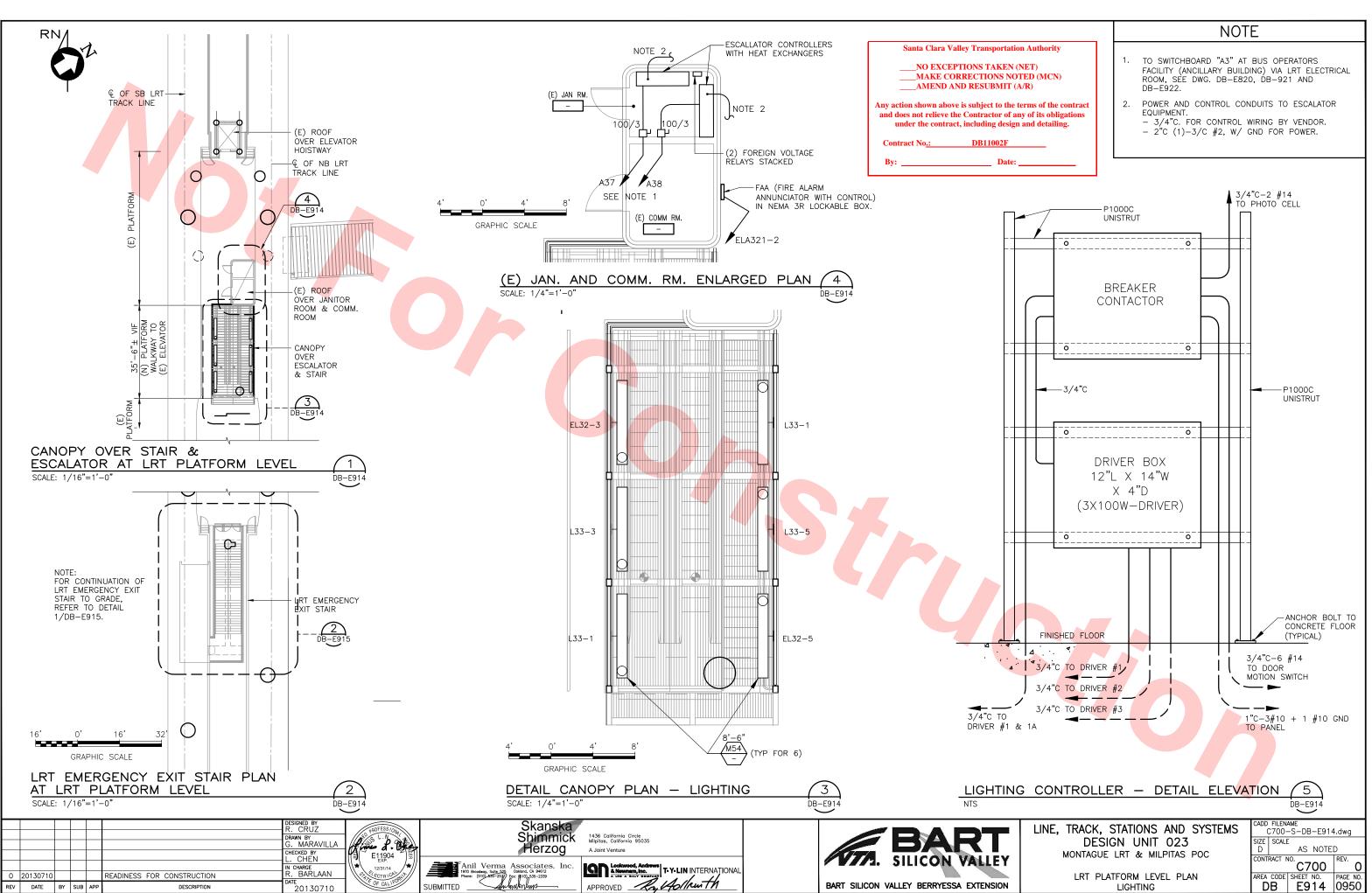




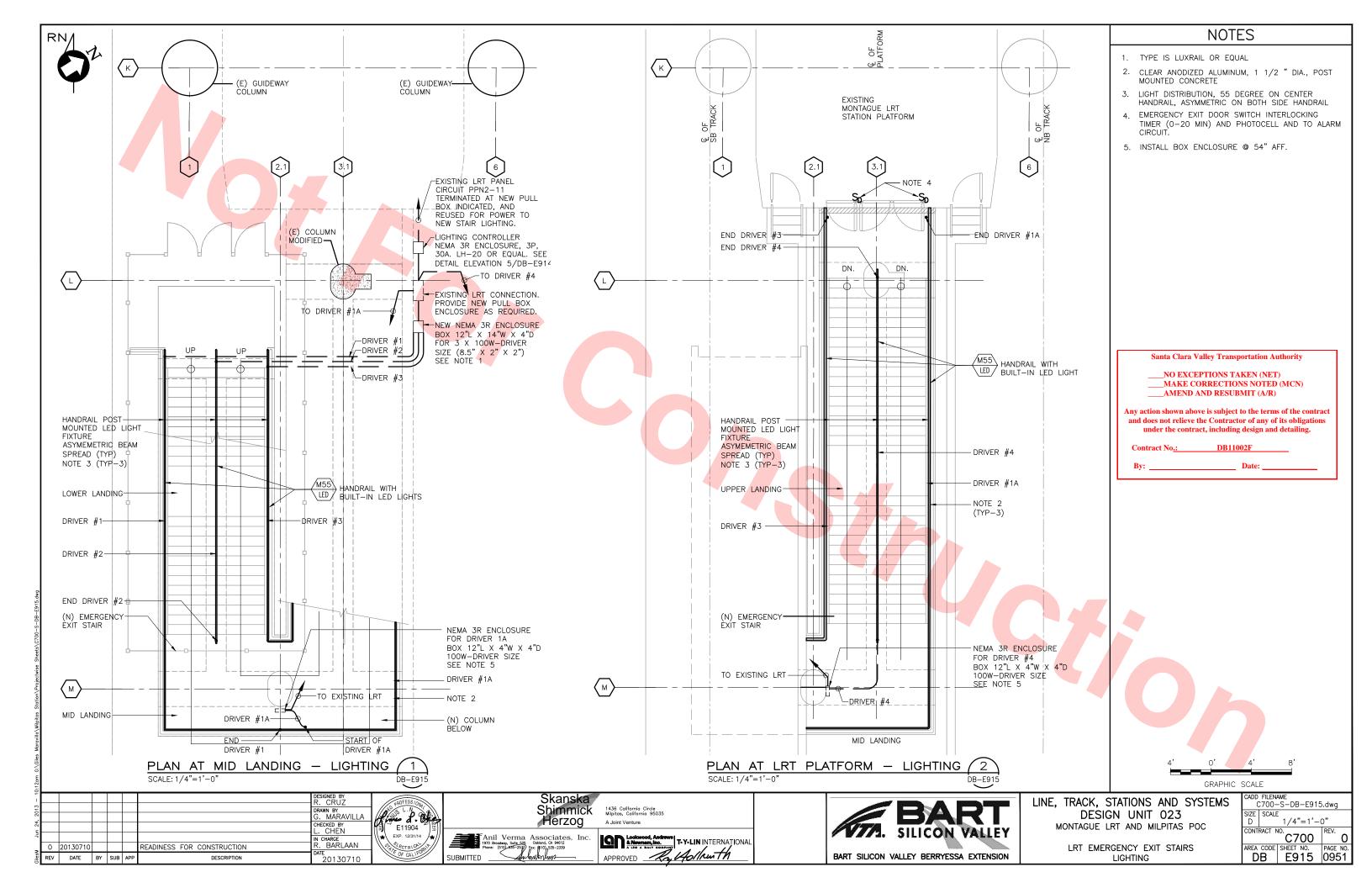








	LINE, TRACK, STATIONS AND SYSTEMS	CADD FILENAME C700-S-DB-E914.dwg
	DESIGN UNIT 023 MONTAGUE LRT & MILPITAS POC	SIZE SCALE D AS NOTED
Y	LRT PLATFORM LEVEL PLAN	AREA CODE SHEET NO. PAGE NO.
N	LIGHTING	DB E914 0950

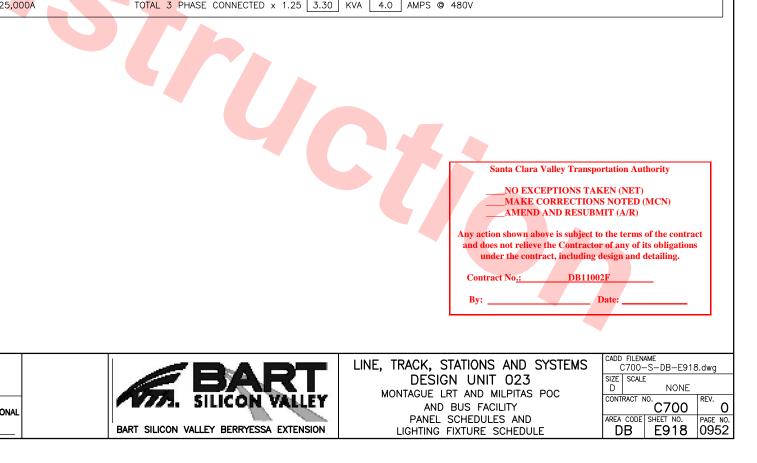


DENTIFICATION	TYPE	DESCRIPTION	VOLTAGE	MFR CAT NUMBER	INPUT POWER	REMARK
l IDENT		E7	02	Nomber	(VA)	MOUNTING
M50 LED	LED	 P SERIES LED 3 ENGINES(30 LEDs) DSXPG LED FIXTURE 530mA T5M, NATURAL ALUMINUM 	277V	LITHONIA DSXPG LED 30 LEDS 10B530/40K T5M	37	LRT GROUND LEVEL POC LEVEL PLATFORM
M52 LED	LED	5" X 48" SURFACE MOUNTED LED LIGHT FIXTURE WITH ONE PIECE WRAPAROUND LENS AND CONDUIT ACCESS ON EACH END.	277V	KENALL N548 SERIES (7100) — LED OR EQUAL	59	CONCOURSE TVMS
(M53) LED	LED	MRW LED ARCHITECTURAL WALL SCONCE (2) ENGINES 20LEDS 700mA, SR3, WLU WITH VANDAL GUARD OR EQUAL	277V	LITHONIA LIGHTING MRW LED 2, 10A700/40K SR3,WLU,VG DBLXD, OR EQUAL	47	CANOPY LIGHTING ELEC/COMM ROOM OUTDOOR
M54 LED	LED	RENALL ES5 – LED SURFACE MOUNT FIXTURE WITH REPLACEABLE BRIGHTNESS LED, 4000K TO 5700K LAMP OR EQUAL	277V	KENALL MODEL ES5-LED, OR EQUAL	32	CANOPY OVER STAIR AND ESCALATOR AT LRT
(M55) LED	LED	ID LIGHTING (LUXRAIL) – STANDARD HANDRAIL LIGHTS	120/ 277V	IO LIGHTING LUXRAIL, 100W DRIVER, 2700K, 67 LUMENS/FT		EMERG. EXIT STAIR HANDRAIL
M31 LED	LED	OUTDOOR GENERAL LED WALL PACK, 1400 LUMENS	277V	LITHONIA LIGHTING LED WALL PACK, OLW14	35	ELEVATOR AND ELECTRICAL ROOM, GROUND LEVEL
M57 LED	LED	D-SERIES SIZE 2 LED FLOOD LUMINAIRE,4 COB ENGINES A530 40K FL WITH TENON SLIPFTTER, BLACK FINISH	277V	LITHONIA LIGHTING DSXF2 LED 4 A530/40K, FLOOD LIGHT OR EQUAL	75	LRT PLATFORM LANDING
M58 LED	LED	OL-SERIES, LED LINEAR FLOOD 277V, SV, 350mA, 7 ENGINES, OK © 35 WATTS	277V	CREE LIGHTING FLD-OL-40-4-07-D-UL-SV -350-40K FLOOD LIGHT OR EQUAL	35	BUS SHELTER CANOPY
(M59) LED	LED	LED WAY – STREETLIGHT – TYPE III MEDIUM BY CREE LIGHTING	277V	CREE LIGHTING STR-LWY-5M-HT-D-UL- 700-48K @PT-2H (180)	238	BUS SHELTER POLE LIGHTS
(M9A) 2-28	FLUORESCENNT	PARAMAX PARABOLIC TROFFER, 2' X 4', 2LP, 28W75 12 CELL LOUVER, WITH ELECTRONIC BALLAST.	MV	LITHONIA LIGHTING 2PM3NGB28T5 12 LD MVOLT OSPS OR EQUAL	122	BUS OPERATOR RM A-03
M35B 2-28	FLUORESCENNT	4' WET LOCATION ENCLOSURE, 2–28W LINEAR FL–T5, HIGH IMPACT ACRYLIC LENS.	MV	LITHONIA LIGHTING DMW 2–28T5 OR EQUAL	122	BUS OPERATOR MEN'S & WOMEN'S RESTROOM
M4E 2-54	FLUORESCENNT	4' WET LOCATION ENCLOSURE, 2–54W LINEAR PL–T5, HO, HIGH IMPACT ACRYLIC LENS.	MV	LITHONIA LIGHTING DMW 2–54T5 OR EQUAL	110	LEASE EXPANSION BICYCLE STORAGE
M35C 1-54	FLUORESCENNT	CA WRAP 2–28W T5 LAMP	MV	LITHONIA LIGHTING CA-2-28T5-MV OR EQUAL	62	CONCESSIONAIRE
MX1 1-5	LED	FULLY ASSEMBLED SINGLE FACED EXIT SIGN, THERMOPLASTIC HOUSING 120/277V, LED, ILLUMINATED GREEN COLOR LETTERING	120/ 277V	LITHONIA LIGHTING EXGMG OR EQUAL	4	ANCILLARY BUILDING

LOC	ATION	: LR	T Montague Ancillary Bldg, Bus Operator Rm				PANEL L39 NORMAL				NEMA 1 MOUNT			ACE
CKT NO	TRIP AMP	LES	DESCRIPTION	COL #	1 VOL	-AMPS		COL #	2 VOL-	-AMPS	DESCRIPTION	POLES	TRIP AMP	
NU	AIVIE	POL		A	В	С		A	В	С		РС	AIVIF	INC
1	20	1	Ancillary Bldg Rm A-01, 02, 03, 04, 06	567				462			Bus Shelter Canopy, Bus Bay 2,3 & 4	- 1	20	2
3	20	1	Ancillary Bldg Rm A-01, 03, & 10		564				462		Bus Shelter Canopy, Bus Bay 2,3 & 4	- 1	20	4
5	20	1	Ancillary Bldg Rm A-01, 02, 03, 05 & 10			462				462	Bus Shelter Canopy, Bus Bay 2,3 & 4	- 1	20	6
7	20	1	SPARE					888			Bus Transit Ctr., Bus Bay 2, 3 & 4	1	20	8
9	20	1	SPARE						888		Bus Transit Ctr., Bus Bay 2, 3 & 4	1	20	1
11	20	1	SPARE							888	Bus Transit Ctr., Bus Bay 2, 3 & 4	1	20	1
13	20	1	SPARE					200			Lighting Control	1	20	14
15	20	1	SPARE								SPARE	1	20	11
17	20	1	SPARE								SPARE	1	20	1
19			SPACE								SPACE			2
21			SPACE								SPACE			2
23			SPACE								SPACE			2
			SUB TOTAL	567	564			1550	1350	1350	SUB TOTAL			
MAIN	TAGE: NS: 10	DOA			TOTAL	268	1914 1	812	AMPS @					

LOC	OITA	N: LR	T Montague Ancillary Bldg, Bus Operator Rm			E	ANEL EL310 MERGENCY	,				NEMA 1 End MOUNTING:		
			DESCRIPTION	COL #		-AMPS		COL #			DESCRIPTION	LES		
		PO		В		A	В	С		POL		INU		
1	20	1	Ancillary Bldg Rm A-01, 03 + EXIT	374				600			FACU WITH ANNUNCIATOR	1	20	2
3	20	1	Ancillary Bldg Rm A-01, 02, 03, 06 +EXIT		374				100		FACU REMOTE ANNUNCIATOR	1	20	4
5	20	1	Ancillary Bldg Rm A-02, 10 + EXIT			374					SPARE	1	20	6
7	20	1	Bus Transit Bay 2 + Bus Shelter Bay 2	527							SPARE	1	20	8
9	20	1	Bus Transit Bay 3 + Bus Shelter Bay 3		527						SPARE	1	20	10
11	20	1	B <mark>us T</mark> ransit Bay 4 + Bus Shelter Bay 4			527					SPACE			12
			SUB TOTAL	901	901	901		600	100	0	SUB T	OTAL		
VOLTAGE: 480/227V,3P,4W 1501 1001 901 MAINS: 100A CB TOTAL 3 PHASE CONNECTED x 1.25 3.30 KVA 4.0 AMPS @ 480V														

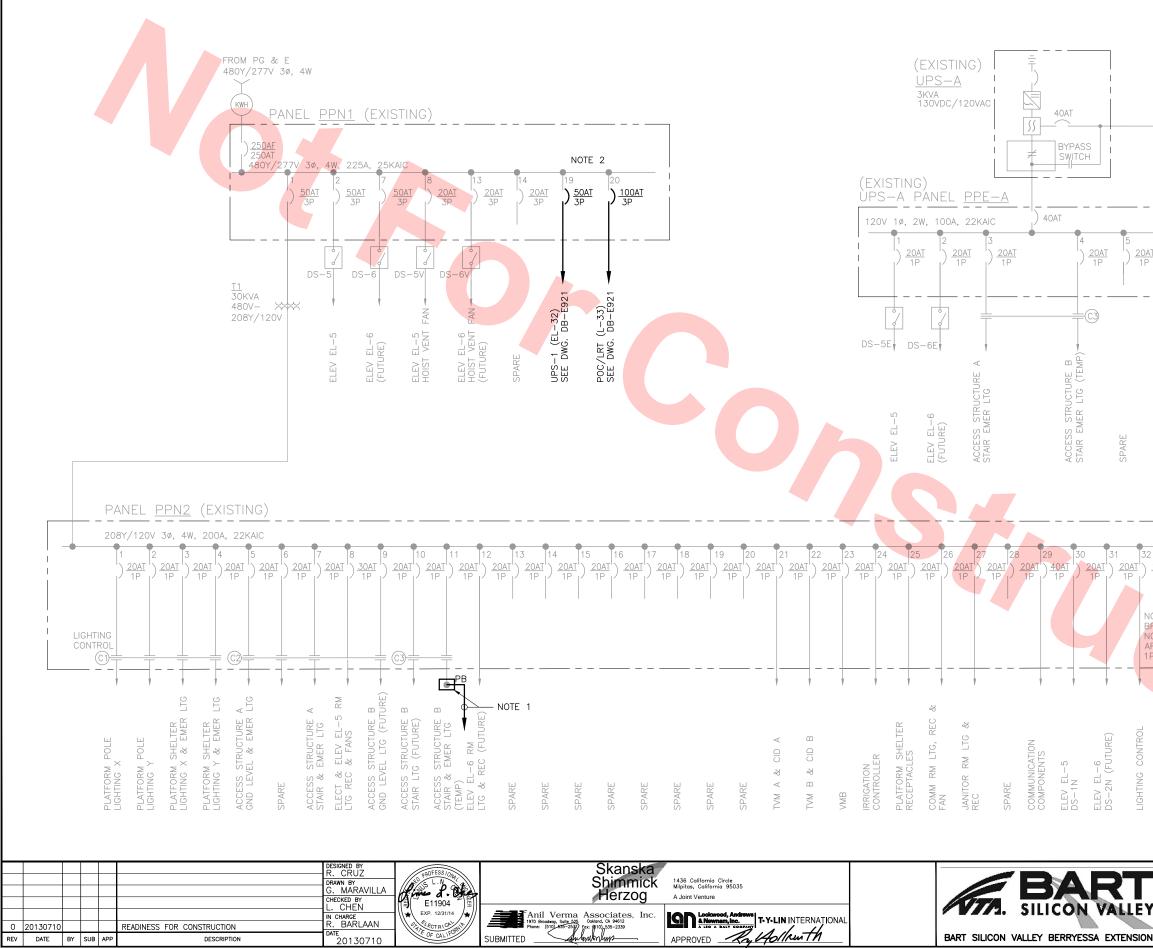




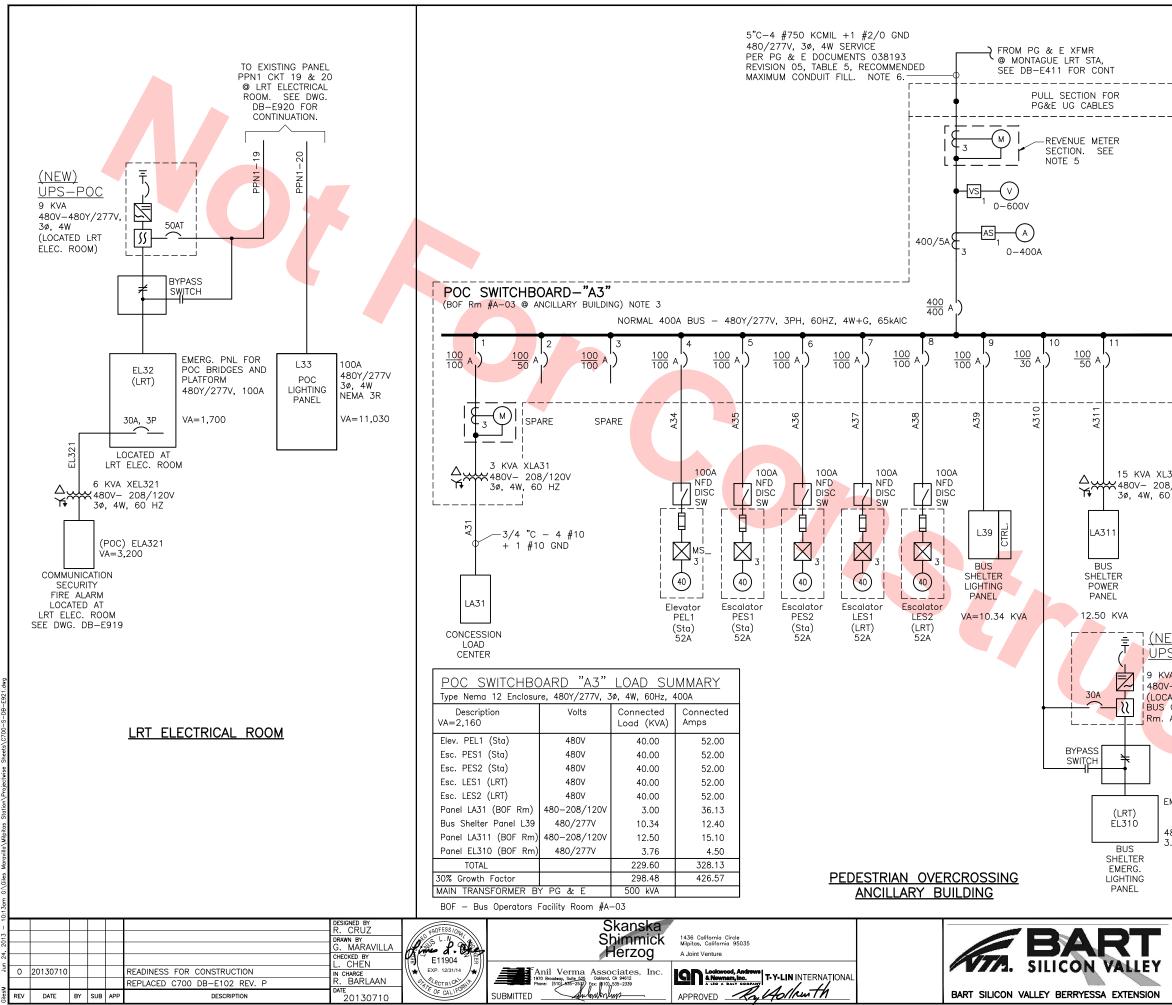
LOCATION: LRT Montague Ancillary Bldg, Bus Operator Rm	A-0.3		ANEL LA311			NEMA 1 Er			N·IRT Monto	ague Electrical Room			ANEL EL32		М	DUNTING: S	SURFACE
	COL #1 VOL-		NORMAL	#2 VOL-/	AMPS		G: SURFACE		S S		COL #	1 VOL-AMPS	MERGENCY	AMPS		Ш П	
CKT TRIP & DESCRIPTION	A B	С	A	В	С			NO AMF	POL	DESCRIPTION	A	ВС	A B	С	DESCRIPTION	IOd A	AMP NO
1 20 1 Ancillary Bldg Rm A-01, 02, 03, 04 & 06 3 20 1 Ancillary Bldg Rm A-01, 02, 03, 04 & 06					SPACE SPACE		4	1 20 3 20		Lvl + Bus Shelter Canopy Lighting Lvl + Bus Shelter Canopy Lighting	284	200		SPARE SPARE			20 2 20 4
5 20 1 Ancillary Bldg Rm A-01, 02, 03, 04 & 08	6	720			SPACE		6	5 20	1 POC L	Lvl + Bus Shelter Canopy Lighting		200		SPARE		1	20 6
7 20 1 Heat Pump, HP-1 9 20 1	2624 2624	ļ!			SPACE SPACE		8	7 20 9 20		Bridge P1-P4 Bridge P1-P4	195	130		SPARE SPARE			20 8 20 10
11 20 1 Exhaust Fans, EF-22, EF-23 & EF-24		550			SPACE		10			Bridge P1-P4		130		SPARE		1	20 10
13 20 1 Supply Fan, SF-1	528				SPACE		14			ng control Panel	200			SPARE		1	20 14
15 20 1 Electric Heater, EH-1 17 20 1 Electric Heater, EH-2	750	750			SPACE SPACE		16							SPARE SPARE			20 16 20 18
19 SPARE		+			SPACE		20		SPACE					SPACE			20 10
21 SPARE					SPACE		22		SPACE					SPACE			20 22 24
23 Supply Fan, SF-2 for Heat Pump, HP-1 SUB TOTAL	3872 4094	1176			SPACE	SUB TOTAL	24	23	SPARE SUB T		679	302 302	0 0	0 SPARE	SUB TO		24
VOLTAGE: 208Y/120V, 3Ø, 4W			2 4094 3196					VOLTAGE	: 480/227V				302 302				
MAINS: 100A ĆB MIN IC:10,000A TOTAL 3 PHASE CON				AMPS @	480V			MAINS: 1 MIN IC: 2	OOA CB	TOTAL 3 PHASE CON	NECTED			@ 480V			
					+007				.0,000A								
			PANEL L33			NEMA 1 Er	nclosure]				P۵	NEL ELA321				
LOCATION: LRT Montague Electrical Room			NORMAL			MOUNTING	G: SURFACE			ague Electrical Room		E	MERGENCY		М	DUNTING: S	
CKT TRIP SI NO AMP O DESCRIPTION	COL #1 VOL-				DESG	RIPTION	U TRIP CKT		OLES	DESCRIPTION		1 VOL-AMPS	COL #2 VO		DESCRIPTION	T	
1 20 1 LRT Platform + Canopy Bay #2	A B 440	С	A	В	C SPARE	u	1 20 2		ିମ୍ବ 1 Fire Al	larm	A 600	B C	A B	C SPARE			AMP NO 20 2
3 20 1 LRT Platform + Canopy Bay $#3$	220	+			SPARE		1 20 2	3 20			000	600		SPARE		1	20 4
5 20 1 LRT Platform + Canopy Bay #4		440			SPARE		1 20 6	5 20				600		SPARE			20 6
7 20 1 LRT POC Bridge Landing, P1-P4 9 20 1 LRT POC Bridge Landing, P1-P4	990 990	+		233	SPARE LRT Ground Lev		1 20 8 1 20 10	7 20 9 20		nunication	600	400		SPACE SPACE			20 8 20 10
11 20 1 LRT POC Bridge Landing, P1-P4		990			233 LRT Ground Lev		1 20 12		1 Securi	·		400		SPACE			20 12
13 20 1 SPARE			200		LIGHTING CONTR		1 20 14		SUB T		1200	1000 1000	0 0	0	SUB TO	TAL	
15 20 1 SPARE 17 20 1 SPARE		+			SPARE SPARE		1 20 16 1 20 18	VOLTAGE MAINS: 1	:208Y/120V, 00A_CB	3ø, 4W		1200	1000 1000				
19 SPACE					SPACE		20	MIN IC: 1		TOTAL 3 PHASE CON	NECTED	+ LCL 3.2	KVA 8.9 AMPS	@ 208V			
21 SPACE 23 SPACE		ļ!			SPACE SPACE		22										
SUB TOTAL	1430 1210	1430	200	233		SUB TOTAL	24	-	N: LRT Monte	aque Electrical Room			_ PPN1 (Existing) NORMAL			MA 1 Enclos	
VOLTAGE: 480/277V, 3ø, 4W	GRAND TOTAL	L 1630	0 1443 1663					CKT TRIF			COI #	1 VOL-AMPS	COL #2 VO	-AMPS		DUNTING: S	
MAINS: 125A CB MINIC: 25,000A TOTAL 3 PHASE CON	INECTED + LCI	L 4.73	3 KVA 5.7	AMPS @	480V			NO AMP		DESCRIPTION	A	B C	A B	C	DESCRIPTION		AMP NO
								1 50	3 T1 30	KVA TRANSF.	6228		1600		nder Bridge Ltg		20 2
		Р	PANEL LA331					3				6228 6228	1600				20 4 20 6
LOCATION: LRT Montague Electrical Room						MOUNTING		5						16001		11	20 8
			NORMAL				G: SURFACE	7 90	3 ELEV.	#5	18546	0220		1600 SPARE			
	COL #1 VOL-	-AMPS	COL #	#2 VOL-/	DESCI			- 7 90 - 9	3 ELEV.	#5	18546	18546				1	20 10
NO AMP G	A B		T	#2 VOL-/ B	C DESCI		AMP NO	9			18546		688	SPARE	IERO LICHTING DANEL "EL 3	1 1 1	20 10 20 12
NO AMP Ample 1 20 1 3 20 1 Receptacle	"	-AMPS	COL #		DESCI	RIPTION G	A TRIP CKT AMP NO 1 20 2 1 20 4	9 11 13 90 15	3 ELEV. 3 ELEV ;		18546	18546	688	POC EM	IERG. LIGHTING PANEL "EL3	1 1 1	20102012501416
NO AMP Amplication 1 20 1 3 20 1 5 20 1 Receptacle	A B 540	-AMPS	COL #		C DESCR SPARE SPARE SPARE	RIPTION G	TRIP CKT AMP NO 1 20 2 1 20 4 1 20 6	9 11 13 90 15 17	3 ELEV 7	#6 FUT		18546	330	POC EN		1 1 2" 3	2010201250141618
NOAMPAMPAMP1201Receptacle3201Receptacle5201Receptacle7201SPARE	A B 540	AMPS	COL #		C DESCR SPARE SPARE SPARE SPARE SPACE	RIPTION 2 2 1 1 1 1 1 1 1 1 1 1	A TRIP CKT AMP NO 1 20 2 1 20 4	9 11 13 90 15 17 19 20	3 ELEV 7		18546	18546		SPARE POC EN 350 POC LIC	IERG. LIGHTING PANEL "EL3 CHTING PANEL "L33"	1 1 2" 3	20102012501416
NO AMP Amplication Description 1 20 1 Receptacle 3 20 1 Receptacle 5 20 1 Receptacle 7 20 1 SPARE 9 20 1 SPARE 11 20 1 SPARE	A B 540 540	AMPS C 540	COL #	B	C DESCR SPARE SPARE SPARE SPACE SPACE SPACE SPACE	RIPTION 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	TRIP CKT AMP NO 1 20 2 1 20 4 1 20 6 1 20 8	9 11 13 90 15 17 19 20 21	3 ELEV ;	#6 FUT #5 HOIST VENT FAN	1600	18546 1856 1856 1856 1856 1856 1856 1856 185	1346 1579	SPARE POC EM 350 POC LIC	GHTING PANEL "L33"	1 1 2"3 3 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 10 20 12 50 14 16 18 100 20
NO AMP Amplication 1 20 1 Receptacle 3 20 1 Receptacle 5 20 1 Receptacle 7 20 1 SPARE 9 20 1 SPARE 11 20 1 SPARE	A B 540	AMPS C 540 540	COL #	B	C DESCR SPARE SPARE SPARE SPARE SPACE SPACE	RIPTION 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	TRIP CKT AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10	9 11 13 90 15 17 19 20 21 23	3 ELEV ; 3 ELEV ; 3 ELEV ; 3 ELEV ; SUB T	#6 FUT #5 HOIST VENT FAN TOTAL	1600	18546 18546 18546 1600 1600 26374 26374	330 1346 1579 585 618	SPARE POC EM 350 POC LIC		1 1 2"3 3 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 10 20 12 50 14 16 18 100 20 22 22
NO AMP G Description 1 20 1 Receptacle 3 20 1 Receptacle 5 20 1 Receptacle 7 20 1 SPARE 9 20 1 SPARE 11 20 1 SPARE VULTAGE:208Y/120V, 3ø, 4W MAINS: 100A CB	A B 540 540 - 540 - - - - - - 540 - - - - - - - - - - - - - - - - - - - - -	AMPS C 540 540 540	COL #	B	C DESCR	RIPTION	TRIP CKT AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 12	9 11 13 90 15 17 19 20 21 23	3 ELEV ; 3 ELEV ; 3 ELEV ; 5 ELEV ; 5 ELEV ; 5 ELEV ; 5 ELEV ; 5 ELEV ; 5 ELEV ;	#6 FUT #5 HOIST VENT FAN FOTAL 7, 3ø, 4W	1600 26374 GRANE	18546 18546 18546 1600 1600 26374 26374 0 TOTAL 3000	330 1346 585 618 8 29883 89504	SPARE A POC EM 350 1289 618	GHTING PANEL "L33"	1 1 2"3 3 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 10 20 12 50 14 16 18 100 20 22 22
NO AMP Amplication Description 1 20 1 Receptacle 3 20 1 Receptacle 5 20 1 Receptacle 7 20 1 SPARE 9 20 1 SPARE 11 20 1 SPARE SUB TOTAL VOLTAGE:208Y/120V, 3ø, 4W	A B 540 540 - 540 - - - - - - 540 - - - - - - - - - - - - - - - - - - - - -	AMPS C 540 540 540	COL #	B	C DESC C SPARE SPARE SPARE SPACE SPACE SPACE O SPACE SPACE SPACE O SPACE	RIPTION	TRIP CKT AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 12	9 11 13 90 15 17 19 20 21 23 VOLTAGE	3 ELEV ; 3 ELEV ; 3 ELEV ; 4 SUB T : 480/277V, 25A CB	#6 FUT #5 HOIST VENT FAN FOTAL 7, 3ø, 4W	1600 26374 GRANE	18546 18546 18546 1600 1600 26374 26374 0 TOTAL 3000	330 1346 1579 585 618	SPARE A POC EM 350 1289 618	GHTING PANEL "L33"	1 1 2"3 3 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 10 20 12 50 14 16 18 100 20 22 22
NO AMP G Description 1 20 1 Receptacle 3 20 1 Receptacle 5 20 1 Receptacle 7 20 1 SPARE 9 20 1 SPARE 11 20 1 SPARE VULTAGE:208Y/120V, 3ø, 4W MAINS: 100A CB	A B 540 540 - 540 - - - - - - 540 - - - - - - - - - - - - - - - - - - - - -	AMPS C 540 540 540	COL #	B	C DESCR SPARE SPARE SPARE SPARE SPACE SPACE SPACE SPACE 0 SPACE 208V	RIPTION RIPTIO	2 TRIP CKT AMP NO 1 20 2 1 20 4 1 20 6 1 20 10 1 20 12	9 11 13 90 15 17 19 20 21 23 VOLTAGE MAINS: 1 MIN IC: 2	3 ELEV ; 3 ELEV ; 3 ELEV ; 3 ELEV ; 4 SUB T 5,000A	#6 FUT #5 HOIST VENT FAN FOTAL 7, 3ø, 4W	1600 26374 GRANE	18546 18546 18546 1600 26374 26374 0 TOTAL 3000 + LCL 103.4	330 1346 585 618 82988389504 4 KVA 125 AMPS	 SPARE POC EM 350 POC LIC 1289 618 480V 	SHTING PANEL "L33" SUB TO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 10 20 12 50 14 16 18 100 20 22 22
NO AMP G Description 1 20 1 Receptacle 3 20 1 Receptacle 5 20 1 Receptacle 7 20 1 SPARE 9 20 1 SPARE 11 20 1 SPARE VULTAGE:208Y/120V, 3ø, 4W MAINS: 100A CB	A B 540 540 - 540 - - - - - - 540 - - - - - - - - - - - - - - - - - - - - -	AMPS C 540 540 540	COL #	B	C DESCI	RIPTION RIPTIO	2 TRIP CKT AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 12	9 11 13 90 15 17 19 20 21 23 VOLTAGE MAINS: 1 MIN IC: 2	3 ELEV ; 3 ELEV ; 3 ELEV ; 3 ELEV ; 4 SUB T 5,000A	#6 FUT #5 HOIST VENT FAN TOTAL /, 3ø, 4W TOTAL 3 PHASE CON	1600 26374 GRANE	18546 18546 18546 1600 26374 26374 0 TOTAL 3000 + LCL 103.4	330 1346 585 618 82988389504 4 KVA 125 AMPS	 SPARE POC EM 350 POC LIC 1289 618 480V 	SHTING PANEL "L33" SUB TO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 10 20 12 50 14 16 18 100 20 22 22
NO AMP G Description 1 20 1 Receptacle 3 20 1 Receptacle 5 20 1 Receptacle 7 20 1 SPARE 9 20 1 SPARE 11 20 1 SPARE VULTAGE:208Y/120V, 3ø, 4W MAINS: 100A CB	A B 540 540 - 540 - - - - - - 540 - - - - - - - - - - - - - - - - - - - - -	AMPS C 540 540 540	COL #	B	C DESCI	RIPTION G Image: Constraint of the second	2 TRIP CKT AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 12	9 11 13 90 15 17 19 20 21 23 VOLTAGE MAINS: 1 MIN IC: 2	3 ELEV ; 3 ELEV ; 3 ELEV ; 3 ELEV ; 4 SUB T 5,000A	#6 FUT #5 HOIST VENT FAN TOTAL /, 3ø, 4W TOTAL 3 PHASE CON	1600 26374 GRANE	18546 18546 18546 1600 26374 26374 0 TOTAL 3000 + LCL 103.4	330 1346 585 618 82988389504 4 KVA 125 AMPS	 SPARE POC EM 350 POC LIC 1289 618 480V 	SHTING PANEL "L33" SUB TO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 10 20 12 50 14 16 18 100 20 22 22
NO AMP G Description 1 20 1 Receptacle 3 20 1 Receptacle 5 20 1 Receptacle 7 20 1 SPARE 9 20 1 SPARE 11 20 1 SPARE VULTAGE:208Y/120V, 3ø, 4W MAINS: 100A CB	A B 540 540 - 540 - - - - - - 540 - - - - - - - - - - - - - - - - - - - - -	AMPS C 540 540 540	COL #	B	C DESCI	RIPTION RIPTIO	2 TRIP CKT AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 12	9 11 13 90 15 17 19 20 21 23 VOLTAGE MAINS: 1 MIN IC: 2	3 ELEV ; 3 ELEV ; 3 ELEV ; 3 ELEV ; 4 SUB T 5,000A	#6 FUT #5 HOIST VENT FAN TOTAL /, 3ø, 4W TOTAL 3 PHASE CON	1600 26374 GRANE	18546 18546 18546 1600 26374 26374 0 TOTAL 3000 + LCL 103.4	330 1346 585 618 82988389504 4 KVA 125 AMPS	 SPARE POC EM 350 POC LIC 1289 618 480V 	SHTING PANEL "L33" SUB TO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 10 20 12 50 14 16 18 100 20 22 22
NO AMP G Description 1 20 1 Receptacle 3 20 1 Receptacle 5 20 1 Receptacle 7 20 1 SPARE 9 20 1 SPARE 11 20 1 SPARE VULTAGE:208Y/120V, 3ø, 4W MAINS: 100A CB	A B 540 540 - 540 - - - - - - 540 - - - - - - - - - - - - - - - - - - - - -	AMPS C 540 540 540	COL #	B	C DESCI	RIPTION G Image: Constraint of the second	2 TRIP CKT AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 12	9 11 13 90 15 17 19 20 21 23 VOLTAGE MAINS: 1 MIN IC: 2	3 ELEV ; 3 ELEV ; 3 ELEV ; 3 ELEV ; 4 SUB T 5,000A	#6 FUT #5 HOIST VENT FAN TOTAL /, 3ø, 4W TOTAL 3 PHASE CON	1600 26374 GRANE	18546 18546 18546 1600 26374 26374 0 TOTAL 3000 + LCL 103.4	330 1346 585 618 82988389504 4 KVA 125 AMPS	 SPARE POC EM 350 POC LIC 1289 618 480V 	SHTING PANEL "L33" SUB TO	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 10 20 12 50 14 16 18 100 20 22 22
NO AMP G Description 1 20 1 Receptacle 3 20 1 Receptacle 5 20 1 Receptacle 7 20 1 SPARE 9 20 1 SPARE 11 20 1 SPARE VULTAGE:208Y/120V, 3ø, 4W MAINS: 100A CB	A B 540 540 540 540 540 540 540 540 540 540	AMPS C 540 540 540	COL #	B	C DESCR	RIPTION Image: Constraint of the second	2 TRIP CKT AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 12	9 11 13 90 15 17 19 20 21 23 VOLTAGE MAINS: 1 MIN IC: 2	3 ELEV ; 3 ELEV ; 3 ELEV ; 3 ELEV ; 4 SUB T 5,000A	#6 FUT #5 HOIST VENT FAN TOTAL 7, 3ø, 4W TOTAL 3 PHASE CON G: TASMAN EAST LIGHT RAIL PROJECT	26374 GRANE DECTED	18546 18546 18546 1600 1600 26374 26374 0 TOTAL 3000 + LCL 103.4 CTRICAL MONTA	330 1346 585 618 82988389504 4 KVA 125 AMPS AGUE STATION - PANE	 SPARE POC EM 350 POC LIC 1289 618 480V L SCHEDULES, A 	SHTING PANEL "L33" SUB TO SUB TO S BUILT DRAWING # EP216	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 10 20 12 50 14 16 18 100 20 22 24
NO AMP G Description 1 20 1 Receptacle 3 20 1 Receptacle 5 20 1 Receptacle 7 20 1 SPARE 9 20 1 SPARE 11 20 1 SPARE VULTAGE:208Y/120V, 3ø, 4W MAINS: 100A CB	A B 540 540 540 540 540 540 540 540 540 540 540 540 NNECTED + COESIGNED R. CRI DRAWN B DRAWN B	AMPS C 540 540 540	COL #	AMPS @	C DESCR	RIPTION	2 TRIP CKT AMP NO 1 20 2 1 20 4 1 20 6 1 20 8 1 20 10 1 20 12 1 20 10 1 20 12 	9 11 13 90 15 17 19 20 21 23 VOLTAGE MAINS: 1 MIN IC: 2	3 ELEV ; 3 ELEV ; 3 ELEV ; 3 ELEV ; 4 SUB T 5,000A	#6 FUT #5 HOIST VENT FAN TOTAL 7, 3ø, 4W TOTAL 3 PHASE CON G: TASMAN EAST LIGHT RAIL PROJECT	26374 GRANE DECTED	18546 18546 18546 1600 1600 26374 26374 0 TOTAL 3000 + LCL 103.4 CTRICAL MONTA	1346 1579 585 618 829883 89504 KVA 125 AMPS AGUE STATION - PANE	 SPARE POC EM 350 POC LIC 1289 618 480V L SCHEDULES, A 	SHTING PANEL "L33" SUB TO SUB TO	I I I I I I I I I I I I I I I I I I I	20 10 20 12 50 14 16 18 100 20 22 24 5319.dwg
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	NEL ELA32 //ERGENCY				MOUNTI	NG:	SURF	ACE
s		COL #	2 VOL-	-AMPS	DESCRIPTION	ES	TRIP	
		A	В	С	BESCIAL HOI	POL	AMP	NO
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0		0	0	0	SUB TOTAL			
200	1000 1	000						
.2	KVA	8.9	AMPS @	⊉ 208∨	,			

	١E	L PPN1 (Exis NORMAL	sting)			NEMA 1 MOUNT			ACE
N D O POC Under Bridge Ltg 1 20 1600 1600 1 20 1 20 8 1 1600 1 20 1 20 8 1 1600 1 20 1 20 1 1 1 20 1 20 1 20 1 1 1 20 1 20 1 20 1 1 1 20 1 20 1 20 16 1 1 20 1 20 1 20 16 1 1 20 1 20 1 20 16 1 1 1 20 1 20 1 20 16 1 1 1 20 1 20 1 20 16 330 1 1 20 1 1 20 1 1 20 1 1 20 1 1 20 1 </th <th>S</th> <th></th> <th></th> <th></th> <th></th> <th>DESCRIPTION</th> <th>111</th> <th></th> <th>CKT NO</th>	S					DESCRIPTION	111		CKT NO
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8 1 1600 1 20 1 20 SPARE 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 688 POC EMERG. LIGHTING PANEL "EL32" 3 50 1 330 POC LIGHTING PANEL "L33" 3 100 1346 POC LIGHTING PANEL "L33" 3 100 1579 1289 585 618 618 SUB TOTAL			1600			POC Under Bridge Ltg	1	20	2
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	74		585	618	618	SUB TOTAL			
008 29883 89504	20	8 29883 8	9504						
3.4 KVA 125 AMPS @ 480V	3.4	4 KVA	125	AMPS @	9 480V				



Santa Clara Valley Transportation Authority BELACE WITH NEW BKR OF 100AT/100AF/35 RATING. Santa Clara Valley Transportation Authority MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 RATING. Santa Clara Valley Transportation Authority MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 RATING. Santa Clara Valley Transportation Authority MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 RATING. Santa Clara Valley Transportation Authority MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 RATING. Santa Clara Valley Transportation Authority MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 RATING. Santa Clara Valley Transportation Authority MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 RATING. Santa Clara Valley Transportation Authority MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 RATING. Santa Clara Valley Transportation Authority MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 RATING. Santa Clara Valley Transportation Authority MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 RATING. Santa Clara Valley Transportation Authority MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 MARKE CORRECTIONS NOTED (MCN) AND REPLACE WITH NEW BKR OF 100AT/100AF/35 MARKE CORRECTIONS NOTED (MCN) MARKE CORRECTIONS NOTED (M			
PROVIDED PULL BOX NEAR COL. (J.3.1. WREAM. CONDUIT TO FEED ENTENDED FOR REUSE, SEE DWG 1/08–E915. ORCUT 20 TO FEED NORMAL PUL ISS. SEE DWG DB-E921 FOR CONTUNITOR REMOVE EXISTING BKR OF CIRCUIT 30 AND REMOVE EXISTING BKR OF CIRCUIT 30 AND		NOT	E
Santa Chara Valley Transportation Authority Santa Chara Valley Transportation Authority NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN) Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations UNEXCENT IN THE RESUBMIT (AR) Any action shown above is subject to the terms of the contract and does not relieve the contract, including design and detailing. Contract No: DB11002F By: Date: Date: DB1002F By: Date: Date: DB1002F By: Date: Date: DB1002F By: DB		 PROVIDED PULL BOX NEAF CONDUIT TO BE EXTENDED 1/DB-E915. CIRCUIT 19 TO FEED EMEI UPS-POC, AND CIRCUIT 2 L33, SEE DWG DB-E921 REMOVE EXISTING BKR OF REPLACE WITH NEW BKR (RATING. REMOVE EXISTING AND REPLACE WITH NEW I 	R COL. L/3.1. WIRE AND FOR REUSE. SEE DWG. O TO FEED NORMAL PNL FOR CONTINUATION. CIRCUIT 19 AND OF 50AT/100AF/3P G BKR OF CIRCUIT 20
WG NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBATIT (A/R) Any action shown above is subject to the terms of the contract and does not relieve the Contract or of any of its obligations under the contract, including design and detailing. Contract No: DB11002F By: Date:		RATING.	
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AMEND AND RESUBMIT (A/R) Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing. Contract No:		NO EXCEPTIONS TA	KEN (NET)
Bit does not relieve the Contractor of any of its obligations under the contract, including design and detailing. Contract No: DB11002F By: Date: Date: Date: Variable of the contract of the contrelevel of the contract of the contract of the contract		MAKE CORRECTION	NS NOTED (MCN)
Contract No.: DB11002F By: Date:		and does not relieve the Contracto	or of any of its obligations
By: Date:	ARE	under the contract, including	design and detailing.
20AT 33 1P 34 20AT 360AT 1P DTE: REAKERS 0.3542 RE SPARE 20A, BREAKERS 60AT 1P 60AT 1P DIE: REAKERS DESIGN UNIT 023 MONTAGUE LRT AND MILPITAS POC CADD FILENAME C700-S-DB-E920.dwg SIZE SCALE D NONE	СЛ СЛ		
20AT			
LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 MONTAGUE LRT AND MILPITAS POC	$\frac{20AT}{1P} \begin{array}{c} 70AT \\ 1P \end{array} \begin{array}{c} 60AT \\ 1P \end{array} \begin{array}{c} 60AT \\ 1P \end{array}$		
LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 MONTAGUE LRT AND MILPITAS POC		01	
LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 MONTAGUE LRT AND MILPITAS POC LINE, TRACK, STATIONS AND SYSTEMS C700-S-DB-E920.dwg SIZE SCALE D NONE CONTRACT NO. IFFV.	SPARE		
MONTAGUE LRT AND MILPITAS POC			C700-S-DB-E920.dwg
			D NONE
SINGLE LINE DIAGRAM AREA CODE SHEET NO. PAGE	SINGLE	LINE DIAGRAM	AREA CODE SHEET NO. PAGE NO.



	NOTE	ES
	 FOR ELECTRICAL ABBREVIA DB-E001X. FOR ELECTRICAL DIAGRAM REFER TO SHEET DB-E00. NEW SWITCHBOARD "A3" S AUTO-TRANSFER SWITCH ' 3W, CUTLER HAMMER TYPE PROVIDE BLANK SOCKET F SWITCHBOARD REQUIREMEN PROVIDE AS PER BART ST CABLE PROVIDED BY PG & (ANIL VERMA ASSOSCIATES) 	AND LAYOUT SYMBOLS 2X AND DB-E003X. HALL BE NEMA 12. ATS1",100A, 65 KAIC, 3ø, E AT45 OR EQUAL. OR 1 METER AS PER IT. CONTRACTOR TO ANDARD. & E, CONDUITS BY AVA
хL311 108/120V 60 НZ	Santa Clara Valley Transp NO EXCEPTIONS TA MAKE CORRECTION AMEND AND RESUB Any action shown above is subject 1 and does not relieve the Contracto under the contract, including Contract No.: DB110 By:	KEN (NET) NS NOTED (MCN) MIT (A/R) to the terms of the contract or of any of its obligations design and detailing. 02F
NEW) PS-1 KVA ov-480y/277V, 3ø, 4W OCATED AT IS OPERATORS FACILITY IS A-03) EMERG. PNL FOR 480Y/277V, 3.76 KVA		
	TATIONS AND SYSTEMS	CADD_FILENAME
DESIG MONTAGUE AND 480V PO	TATIONS AND SYSTEMS N UNIT 023 LRT & MILPITAS POC BUS FACILITY WER DISTRIBUTION E LINE DIAGRAM	C700-S-DB-E921.dwg SIZE SCALE D NONE CONTRACT NO. AREA CODE SHEET NO. DB E921 0955

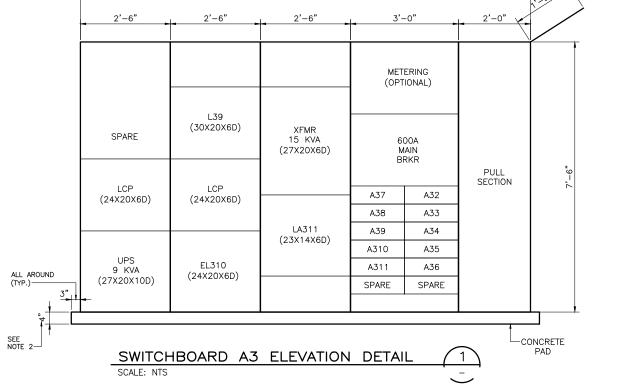
							LOCATE	D @ ANCIL	<u>POC-LRT_SWI</u> LARY_BUILDING	<u>TCHBOARD</u> – BUS OF	<u>"A3"</u> PERATOR ROO	OM No. A-03	3							
CIRCUIT	APPLI	CATION			RU			CONDUIT	CONDUCTO		CABLE	INSTALLATION	VOLT-		VOLT-	CONDUCTOR	CONDUCTOR		REMARI	KS
No.			FROM		VIA	Т		SIZE&TYP			_ENGTH (FT)	DRAWINGS					TYPE (CM)	SIZE		
PGE-P1	MAIN FEEDE		PG & E - TRANSFOR		TBD	POC SWITCHBOA		5"C	4-1/C #750 Kcmil,	& 1 #2/0G	240 40		227000 3000	243.0 8.0	3.3	500000 16510	THWN	500 10	SEE NOTE 6, DWG	. DB-
A31	CONCESSIO	INAIRE	SWITCHBOARD A3			CONCESSION LC		3/4"C	4 #10, + 1 #10G		20		9000	10.8	4.8	12274	THWN			
432	SPARE SPARE		SWITCHBOARD A3		TBD	POC UPS & PA PANEL L33	NEL EL32	2"C	1-3/C #8, W/ GND 1-3/C #6, W/ GND		20		12630	10.8	4.8	16972	THWN	#8		
433		(SWITCHBOARD A3		TBD			2"C	, , ,		160		40000	48.2	4.0	35833	THWN	#6		
N34	ELEVATOR (/	SWITCHBOARD A3		TBD	MILPITAS ELEVAT		2"C	1-3/C #4, W/ GND 1-3/C #4, W/ GND		160		40000	48.2	4.8	35833	THWN	#4		
A35	ESCALATOR		SWITCHBOARD A3		TBD	MILPITAS ESCAL		2"C	, , ,		160		40000	48.2	4.0	35833	THWN	#4		
436	ESCALATOR		SWITCHBOARD A3		TBD	MILPITAS ESCAL		2"C	1-3/C #4, W/ GND 1-3/C #2, W/ GND		240		40000	48.2	4.8	53750	THWN	#4		
A37	ESCALATOR	· /	SWITCHBOARD A3		TBD	LRT ESCALATOR		2°C	1-3/C #2, W/ GND		240		40000	48.2	4.8	53750	THWN	#2 #2		
A38	ESCALATOR BUS SHELT			-	TBD	LRT ESCALATOR	LESZ	1"C	4 #10, + 1 #10G		30		10240	12.3	4.8	1720	THWN	#2 #10		
A39			SWITCHBOARD A3		CONDUIT	PANEL "L39"			4 #10, + 1 #10G		30		9000	12.3	4.8	1534	THWN	#10 #10		
A310	UPS-1/EL3		SWITCHBOARD A3		CONDUIT	PANEL "EL310"		3/4"C	4 #10, + 1 #10G		30		13950	16.8	4.8	2343	THWN	"		
A311	BUS SHELT SPARE	ER	SWITCHBOARD A3 SWITCHBOARD A3		CONDUIT	PANEL "EL311" FUTURE		3/4"C 2"C	NO CONDUCTOR		240		- 13950	- 10.0	4.0			#10		
A312					CONDUIT	XEL321					15		3200		_		-			
EL321		CURITY & FA	PANEL EL32		CONDUIT			3/4"C 1"C	3 #10, + 1 #10G 3 #6, + 1 #10G		15		1700	· 2.05	· 0	16510	THWN			
PPN1-19 PPN1-20	UPS-POC POC LIGHTI		LRT/POC PANEL PPN			UPS-POC (FOR PANEL "L33"	EL32)	1-1/2"C			15		7560	8.86	0	26240	THWN	#10 #8		
CONDUIT No.	SIZE	TYPE	FROM	T	ТО	CABL		VOLT	CIRCUIT NO(S)	DRAWING N	10(S)	F	REMARKS				MAKE AMEN	CORRECTION D AND RESU		
NP53	NP53	RGS	TVM A PB	CAPPED	STUB-UP	QUANTIT	JIZL			EP204	FOR FU	TURE CID					and does not relie	ve the Contra	t to the terms of the contrac tor of any of its obligations	л i
NP54	NP54	RGS	TVM A PB		STUB-UP					EP205		TURE CID					under the co	ıtract, includiı	g design and detailing.	
NP55	NP55	RGS	PPN2-34			2-1/C + GND	#10	12 <mark>0V</mark>	PPN2-34	E921	CONTRAC						Contract No <u>.:</u>	DB1	002F	
NP56	NP56	RGS	PPN2-36			2-1/C + GND	#10		PPN2-36	E921	CONTRAC						By:		Date:	
EFERENCE D	RAWING: TASI	MAN EAST LIG		LECTRICAL MO	ONTAGUE STA	TION – CABLE & R/					Montague Electric	al Room			PANEL PPN2 NORM				NEMA 1 E MOUNTIN	
	1.			12'-6'	"					CKT TRIP	DE	SCRIPTION		#1 VOL-A		COL #2 VOL-	DE	SCRIPTION	(L	
	-							7,-9					A		C	A B	С		Ċ	ā 📃
		2'-6"	2'-6"	2'-6"	,	3'-0"	2'-0" 🗸					G (POLES 1,2,3,4,5)	1044			1044		· · · ·		1 15
	-		- - -				1				HELTER AND ACC			1780		1780	SHELTER &	ACCESS A		1 15
	Ĺ							+				EVEL & ELEVATOR	LTG	2	782	4007	- SPARE			1 20
											PARE			2782		1667	ACCESS A E	LEV EQPT		1 20
						METERING					CCESS B GRND L	VL & ELEV AREA L	IG(FUI)		136		981 ACCESS B E			1 2 1 2
						(OPTIONAL)					PARE	IG (IEMP)			130	1982	PANEL PPE			1 4
											LEV PIT LTG & R	FCEPT		311			SPARE	VIA UFS		1 2
			L39								PARE						- SPARE			1 2
		SPARE	(30X20X6D)	XFMR 15 KVA						19 15 1 S			_			-	SPARE			1 20
				15 KVA		600A								480		480				1 15

Skanska Shimmick Herzog

Anil Verma Associates, Inc. 1970 Brockey, Suit 520 Doktord, CA 94012 SUBMITTED 1436 California Circle Milpitas, California 95035

ADVININ, IC. AND CONTRACT TO A LOCAL AND A CONTRACT OF A C

A Joint Venture



R. CRUZ

DRAWN BY G. MARAVILLA CHECKED BY L. CHEN

in charge R. BARLAAN

20130710

READINESS FOR CONSTRUCTION

DESCRIPTION

0 20130710

REV DATE BY SUB APP

PRUT-005 / OMA SS L-1 E11904 EXP. 12/31/14

LOC	ATION	: LR	T Montague Electrical Room			PANE	EL PPN2 (Exis NORMAL	sting)			MOUNT			ACE
CKT			DESCRIPTION	COL #	1 VOL	-AMPS		COL #	2 VOL-	-AMPS C	DESCRIPTION	OLES	TRIP	
1	15	1	PLATFORM LIGHTING (POLES 1,2,3,4,5)	1044	D	0	_	1044	D	C	PLATFORM LIGHTING (POLES 1,2,3,4,5)	1	15	2
3	15	1	SHELTER AND ACCESS A LIGHTING	10++	1780			10++	1780		SHELTER & ACCESS A LTG	1	15	
5	40	1			1700	2782	_		1700	_	SPARE	1	20	6
- 5			ACCESS A GRND LEVEL & ELEVATOR LTG			2702		1007		_		4		- Ŭ
/	20	1	SPARE					1667			ACCESS A ELEV EQPT & ELEC RMS	1	20	8
9	35	1	ACCESS B GRND LVL & ELEV AREA LTG(FUT	}	2782				-		SPARE	1	20	10
11	20	1	ACCESS B STAIR LTG (TEMP)			1136	_			981	ACCESS B ELEV EQPT RM (FUT)	1	20	12
13	20	1	SPARE	- /				1982			PANEL PPE VIA UPS	1	40	14
15	20	1	ELEV PIT LTG & RECEPT		311				-		SPARE	1	20	16
17	20	1	SPARE							_	SPARE	1	20	18
19	15	1	SPARE	/ - /				_			SPARE	1	20	20
21	15	1	TVM A & CID A		480				480		TVM B	1	15	22
23	15	1	POLE 4 VMD			480				50	IRRRIGATION CONTROLLER	1	20	24
25	15	1	RECEPTACLES @ KIOSKS	360	-			653			COMMUNICATION ROOM	1	15	26
27	15	1	JANITOR ROOM		924				480		CID'S AND AVM'S	1	15	28
29	40	1	COMMUNICATION COMPONENTS			2700				600	ACCESS A ELEVATOR EL-5	1	20	30
31	15	1	ACCESS B ELEV EL-6 (FUT)	600				133			LIGHTING CONTROL	1	20	32
33	20	1	SPARE						360		POC LEVEL OUTLET (NOTE 1)	1	20	34
35	20	1	SPARE				_			360	POC BRIDGE OUTLET (NOTE 1)	1	20	36
37	20	1	SPARE				-	_			SPARE	1	20	38
39	20	1	SPARE								SPARE	1	20	40
41	20	1	SPARE							-	SPARE	1	20	42
			SUB TOTAL	2004	6277	7098		5479	3100	1991	SUB TOTAL			
MAI		251A	/120V, 3ø, 4W LUGS ONLY DOA TOTAL 3 PHASE CONM) TOTAI + LCI		3 9377 9 9 kva -		AMPS @	⊉ 480\	,			

REFERENCE DRAWING: TASMAN EAST LIGHT RAIL PROJECT – ELECTRICAL MONTAGUE STATION – PANEL SCHEDULES, AS BUILT DRAWING # EP216 NOTE 1: CONTRACTOR TO ROUTE CONDUIT/CABLE TO OUTLET AT POC LEVEL AND POC BRIDGE.



-	LINE, TRACK, STATIONS AND SYSTEMS		FILEN#	аме -S-DB-E922	2.dwg
	DESIGN UNIT 023 MONTAGUE LRT & MILPITAS POC	SIZE D	SCALE	NONE	
1	AND BUS FACILITY	CONT	RACT N	^{10.} C700	REV.
N	ELECTRICAL RACEWAY AND CIRCUIT SCHEDULE SWITCHBOARD A3 ELEVATION DETAIL	area D		SHEET NO.	PAGE NO. 0956

