

SSH JV

Milpitas Station Design Unit 023 Readiness for Construction Mechanical

SVBX C700

Wednesday, July 10, 2013

HALF SIZE COPY



engineers | planners | scientists

DU-023



			ABBRE	VIATIC	INS			
A AA AC	COMPRESSED AIR ACOUSTICAL ATTENUATOR AIR COMPRESSOR	F FAR FCO	DEGREES FAHRENHEIT, FILTER FIRE ALARM RELAY FLOOR CLEAN OUT	OPER OV	OPERATING OUTSIDE VELOCITY	VTR	VENT THROUGH ROOF	1. ENTIRE INSTALLATION MECHANICAL AND C/ INCLUDING 2008 CA
AC ACD ACU AD	AIC COMPRESSOR AIC CONDITIONING UNIT AREA DRAIN	FD FD FDP FLA	FLOOR DRAIN FICOR DRAIN FIRE DAMPER WITH ACCESS FULL LOAD AMPERES	PC PD	PRECAST CONCRETE PLANTER DRAIN	w w/ w/o	WASTE, OVERALL WIDTH WITH WITHOUT	2. PRIOR TO OCCUPAN AIR BALANCE COUN SYSTEMS SHALL BE
AF AFF AHU	AIR FILTER ABOVE FINISH FLOOR AIR HANDLING UNIT	FLEX FLR FPM	FLEXIBLE FLOOR FEET PER MINUTE	PH PLBG POC	PHASE PLUMBING POINT OF CONNECTION	WC W.C. WCO	WATER CLOSET WATER COLUMN WALL CLEAN OUT	3. PLATFORMS, CURBS STRUCTURAL AND AI 4. EQUIPMENT, ACCESS
AI AL AMB	ANALOG INPUT ACOUSTICAL LINER AMBIENT	FPS FS FSC	FEET PER SECOND FLOOR SINK, FLOW SWITCH FAN SPEED CONTROLLER	PRESS PS PSI	PRESSURE POSITION SWITCH POUNDS PER SQUARE INCH	WEG WG WH	WALL EXHAUST GRILLE WATER GAUGE WATER HEATER	EQUIPMENT MANUFAG AND OTHER DEVICES 5. MAINTENANCE LABEL
ANSI AO AP	AMERICAN NATIONAL STANDARDS INSTITUTE ANALOG OUTPUT ACCESS PANEL	FSD FT	COMBINATION FIRE SMOKE DAMPER WITH ACCESS PANEL FEET, FOOT	PSIG PVC	POUNDS PER SQUARE INCH GAUGE POLYVINYL CHLORIDE	WHA WMS WRG	WATER HAMMER ARRESTOR WIRE MESH SCREEN WALL RETURN GRILLE	BE PROVIDED FOR SPACE IT SERVES. 6. OUTSIDE AIR INTAKE
ARCH	AIR PRESSURE DROP APPROXIMATE ARCHITECTURAL	FV	FACE VELOCITY	QTY	QUANTITY	WSR WT WTG	WALL SUPPLY REGISTER WEIGHT WALL TRANSFER GRILLE	7. PROVIDE MERV 11 NORMALLY OCCUPIE
ASTM AVG	AMERICAN SOCIETY FOR TESTING AND MATERIALS AVERAGE	GA GAL GALV GND	GAUGE GALLON(S) GALVANIZED GROUND	R RA RD	RADIUS RETURN AIR ROOF DRAIN			SIZES SHALL BE AS 8. HVAC EQUIPMENT SI REPLACED WITH NEW
BD BDD	BALANCING DAMPER BACKDRAFT DAMPER	GPM GV	GALLONS PER MINUTE GATE VALVE	RECT REF REQ'D	RECTANGULAR REFERENCE REQUIRED			AND AN ARTIFICIAL 8.1. 0.5 INWC FOR 8.2. 1.5 INWC FOR
BHP BLDG BOD	BRAKE HORSE POWER BUILDING BOTTOM OF DUCT	HB HC HD	HOSE BIBB HEATING COIL HEAD	REV RL RLA	REVISION REFRIGERANT LIQUID, RAIN LEADER RATED LOAD AMPS			8.3. EXCEPTIONS – 9. AIR FILTERS SHALL COMBUSTIBLE FRAMI CLEANING OR REPLA
BTUH	BRITISH THERMAL UNIT PER HOUR	HDN HI HORIZ	HOPPER DRAIN HIGH HORIZONTAL	RM RPM RS	ROOM REVOLUTIONS PER MINUTE REFRIGERANT SUCTION			10. EQUIPMENT WITH MO 11. HVAC EQUIPMENT SI EFFICIENCY STANDAR
CAP CBC CBD CD	CALIFORNIA BUILDING CODE COUNTERBALANCED BACKDRAFT DAMPER CONDENSATE DRAIN	HP HR HT HTG	HORSE POWER HOUR HEIGHT HEATING	RWL	RAINWATER LEADER			 AIR HANDLING EQUIE SPACES IN OCCUPIE 13. DUCTWORK, PIPING,
CEG CFH CFM	CEILING EXHAUST GRILLE CUBIC FEET PER HOUR CUBIC FEET PER MINUTE	HSPF HVAC	HEATING SEASONAL PERFORMANCE FACTOR HEATING, VENTILATING AND AIR CONDITIONING	SA SAR SCH	SUPPLY AIR SOUND ATTENUATOR SCHEDULE			STOPPING. 14. AIR CONDITIONING U CHANGEOVER TYPE HEATING AND COOLI
CH CI CLG	CEILING HUNG CAST IRON CEILING	HWR HWS HZ	HOT WATER RETURN (DOMESTIC) HOT WATER SUPPLY (DOMESTIC) HERTZ	SD SF SHC	STORM DRAIN, SMOKE DETECTOR SUPPLY FAN, SQUARE FEET SENSIBLE HEATING CAPACITY			MORE THAN 70°F, A DIFFERENTIAL SHALL MORE THAN 48 INC
CM CMC CO COND	CEILING MOUNTED CALIFORNIA MECHANICAL CODE CLEAN OUT CONDENSATE, CONDENSING, CONDITIONED	ID		SHR SIM SMS SOL	SHOWER SIMILAR SHEET METAL SCREW SOLENOID			15. CONTROLS SHALL B ENERGY REGULATION 16. DUCTWORK SHALL B
CONN CONT COP	CONNECTION CONTINUATION COEFFICIENT OF PERFORMANCE	IE IN INSUL INWC	INVERT ELEVATION INCH(ES) INSULATION INCHES OF WATER COLUMN	SP SPDT	SUMP PUMP, SPRINKLER, STATIC PRESSURE SINGLE POLE DOUBLE THROW			THE MOST RESTRICT FUNDAMENTALS, CHA ADOPTED BY (SMAC
CPC CRD CSD CV	CALIFORNIA PLUMBING CODE CEILING RETURN DIFFUSER CEILING SUPPLY REGISTER CHECK VALVE	IPS IW	IRON PIPE SIZE INDUSTRIAL WASTE	SPWG SQ SQ FT	STATIC PRESSURE, WATER GAUGE SQUARE SQUARE FOOT (FEET)			17. AT THE TIME OF RC STARTUP OF THE H COMPONENT OPENIN ACCEPTABLE TO THE
CW C/W	COLD WATER COMES WITH	кw	KILOWATT	SS SSK STD	SANITARY SEWER, SOFT START(ER) SERVICE SINK STANDARD			IN THE SYSTEM. 18. PROVIDE SEISMIC RE LATEST SMACNA GUI
D DB	DRAIN, DRAINAGE DRY BULB	L LAV LBS LCP	LOUVER, LIQUID, LENGTH LAVATORY POUNDS LOCAL CONTROL PANEL	T T&P	THERMOSTAT TEMPERATURE AND PRESSURE			SHALL BE PROVIDED 19. RECTANGULAR DUCT OTHERWISE NOTED.
DF DI DIA	DRINKING FOUNTAIN DIGITAL INPUT DIAMETER	LR LRA	LONG RADIUS LOCKED ROTOR AMPS	TD TEMP	RELIEF VALVE TRENCH DRAIN TEMPERATURE			20. DUCTWORK HANDLIN WITH A THICKNESS 25 AND A SMOKE [21. DUCT JOINTS SHALL
DIM DL DN D0	DIMENSION DOOR LOUVER DOWN DIGITAL OUTPUT	MAX MCA	MAXIMUM MINIMUM CIRCUIT AMPS	TG THK THRU	TRANSFER GRILLE THICK THROUGH			B. 22. MANUAL VOLUME DA AND REGISTERS, AS
DPS DTP DWG	DIFFERENTIAL PRESSURE SWITCH DUCT THROUGH PENETRATION DRAWING	MCC MCP MFR MIN	MOTOR CONTROL CENTER MOTOR CONTROL PANEL MANUFACTURER MINIMUM	TP TSP TSTAT TV	TRAP PRIMER TOTAL STATIC PRESSURE THERMOSTAT TURNING VANE			DUCT LOCATIONS. BALANCING CONTRAC ADJUSTMENT CONTR
DX	DIRECT EXPANSION	MISC MS MT	MISCELLANEOUS MOP SINK, MOTOR STARTER MOUNT	TYP	TYPICAL	5	Santa Clara Valley Transportation Authority	23. SMOKE DAMPERS SE CONTRACTOR. DUC INSTALLED BY MECH FURNISHED AND INS
(E) EA EER EH	EXISTING EXHAUST AIR ENERGY EFFICIENCY RATIO ELECTRIC HEATER	(N)	NEW	UB UC UG UH	UTILITY BOX UNDER CUT UNDERGROUND UNIT HEATER	_	NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN)	BY CONTROLS CONT
EDF EF EFF	ELECTRIC DRINKING FOUNTAIN EXHAUST FAN EFFICIENCY	N/A NC NIC NK	NOT APPLICABLE NORMALLY CLOSED, NOISE CRITERIA NOT IN CONTRACT NECK	ULUR	UNDERWRITER'S LABORATORY URINAL	Any actio	AMEND AND RESUBMIT (A/R)	
EHC ELEC ELEV	ELECTRIC HEATING COIL ELECTRICAL ELEVATION EQUIDMENT	NO NOM NTS	NOCON NORMALLY OPEN, NUMBER NOMINAL NOT TO SCALE	V VB	VENT, VOLT VACUUM BREAKER	uno	es not relieve the Contractor of any of its obligations ler the contract, including design and detailing. act No.: DB11002F	
EQUIP ES/EW ESP	EQUIPMENT EMERGENCY SHOWER/EYE WASH EXTERNAL STATIC PRESSURE	OA	OUTSIDE AIR	VD VEL VERT VFD	VOLUME DAMPER VELOCITY VERTICAL VARIABLE FREQUENCY DRIVE		Date:	
		OD OFD	OUTSIDE DIAMETER OVERFLOW DRAIN	VOL VT	VOLUME VENT			
			DESIGNED BY J. CHOU DRAWN BY J. CHOU CHECKED BY		Skanska Shimmick Milpitas, California 95035 Herzog A John Venture			ART
0 20130	1710 READINESS FOR CONSTRUCTION		G. HENNINGS	ika Construction In Fremont, CA 94538 (510) 657-3688 email: info@blockginc.co	Lookwood, Andrews 817 Eartort Ra, #230 Ookland, CA, 94621	LIN INTERNATI		CON VALLEY
REV DA	E BY SUB APP DESCRIPTION		20130710		APPROVED Ray 40	Mrm TH	BART SILICON VALLEY	BERRYESSA EXTENSION

GENERAL NOTES

TION SHALL CONFORM TO THE REQUIREMENTS OF THE 2010 CALIFORNIA BUILDING, PLUMBING, D CALGREEN (TIER 1) CODES AND ALL OTHER APPLICABLE CODES AND REGULATIONS, CALIFORNIA ENERGY CONSERVATION STANDARDS DIVISION T-20.

PANCY THE ENTIRE HVAC SYSTEMS SHALL BE BALANCED IN ACCORDANCE WITH ASSOCIATED DUNCIL (AABC) OR NATIONAL ENVIRONMENTAL BALANCING COUNCIL (NEBB) STANDARDS. BE BALANCED AS INDICATED ON PLANS INCLUDING OUTSIDE AIR VENTILATION.

ARCHITECTURAL PLANS, UNLESS NOTED OTHERWISE.

ESSORIES AND RELATED PIPING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE JFACTURER'S RECOMMENDATIONS. PROVIDE ALL FITTINGS, TRANSITIONS, DAMPERS, VALVES, ICES REQUIRED FOR A COMPLETE WORKABLE INSTALLATION.

BEL SHALL BE AFFIXED TO ALL MECHANICAL EQUIPMENT AND A MAINTENANCE MANUAL SHALL IR THE OWNER'S USE. LABEL SHALL IDENTIFY THE UNIT DESIGNATION PER PLANS AND THE S. SEE PLANS AND SPECIFICATIONS FOR IDENTIFICATION STANDARDS.

AKES SHALL MEET, AS A MINIMUM, 10' OR CODE REQUIRED CLEARANCES FROM EXHAUST AND OUTLETS.

1 MIN EFFICIENCY THROWAWAY FILTERS FOR AIR CONDITIONING EQUIPMENT SERVING

PIED AREAS. IN ADDITION PROVIDE MERV 14 FILTERS FOR THE TRAIN CONTROL CENTER.

AS RECOMMENDED BY THE MANUFACTURER, UNLESS OTHERWISE SPECIFIED.

SHALL HAVE TEMPORARY FILTERS IN PLACE DURING CONSTRUCTION AND SHALL BE NEW FOR FINAL AIR BALANCING. SYSTEMS SHALL BE AIR BALANCED WITH FILTERS IN PLACE AL LOAD FOR DIRTY FILTERS:

OR SYSTEMS WITH MERV 11 FILTERS

R SYSTEMS WITH BOTH MERV 11 AND MERV 14 FILTERS - 0.25 INWC AT SYSTEMS EF-1, EF-2, EF-9, EF-10.

LL BE STATE FIRE MARSHALL APPROVED AND LISTED, PREFORMED FILTERS HAVING

ANING SHALL BE TESTED AS A COMPLETE ASSEMBLY. AIR FILTERS SHALL BE ACCESSIBLE FOR PLACEMENT.

MOVING PARTS SHALL BE PROVIDED WITH FLEXIBLE DUCT AND PIPE CONNECTIONS. SHALL BE CERTIFIED BY THE CALIFORNIA ENERGY COMMISSION TO COMPLY WITH THE LATEST DARDS.

QUIPMENT SERVING CONDITIONED SPACES SHALL PROVIDE CONTINUOUS OUTSIDE AIR TO

NG, CONDUIT, ETC. PENETRATING FIRE RATED CONSTRUCTION SHALL HAVE APPROVED FIRE

G UNIT THERMOSTATS SHALL BE OF THE ELECTRONIC, PROGRAMMABLE, AUTOMATIC PE TO SEQUENCE HEATING OR COOLING. SET POINT RANGE SHALL BE 10F BETWEEN FULL

PE TO SEQUENCE HEATING OR COOLING. SET POINT RANGE SHALL BE TOF BETWEEN FULL NOLING. THEY SHALL HAVE CAPABILITY OF TERMINATING ALL HEATING AT A TEMPERATURE NO , AND COOLING AT A TEMPERATURE NOT LESS 78 F. ADJUSTABLE TEMPERATURE

ALL BE 12F. CONTROL LIMITS SHALL BE FROM 55'F TO 85'F. MOUNT TOP OF BOX AT NO INCHES ABOVE FLOOR OR AS REQUIRED BY LOCAL AUTHORITIES FOR HANDICAP CODES. L BE PROVIDED TO PROVIDE THE MINIMUM RATE OF OUTDOOR AIR REQUIRED BY THE STATE TIONS

L BE SHEET METAL CONSTRUCTED OR SPIRAL, ERECTED, AND TESTED IN ACCORDANCE WITH RICTIVE OF LOCAL REGULATIONS, PROCEDURES DETAILED IN THE ASHRAE HANDBOOK OF CHAPTER 6 OF THE CALIFORNIA MECHANICAL CODES, OR THE APPLICABLE STANDARDS MACNA) SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION. ROUGH INSTALLATION OR DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL E HEATING AND COOLING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION

ININGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST OR DEBRIS WHICH MAY COLLECT

RESTRAINTS TO ALL DUCTWORK, PIPE, AND EQUIPMENT SUPPORTS IN ACCORDANCE WITH THE GUIDELINES FOR SEISMIC RESTRAINT OF MECHANICAL SYSTEMS. SUSPENDED EQUIPMENT DED WITH SEISMIC ANCHORAGE AND ISOLATION SUPPORTS.

CT TURNS IN SUPPLY, RETURN, AND EXHAUST DUCTS SHALL HAVE TURNING VANES UNLESS

LING CONDITIONED AIR SHALL BE INSULATED. INTERIOR DUCTWORK SHALL BE INSULATED SS OF 2" AND R=4.2. ALL INSULATION SHALL HAVE A FLAME SPREAD OF NOT MORE THAN IE DENSITY NOT EXCEEDING 50.

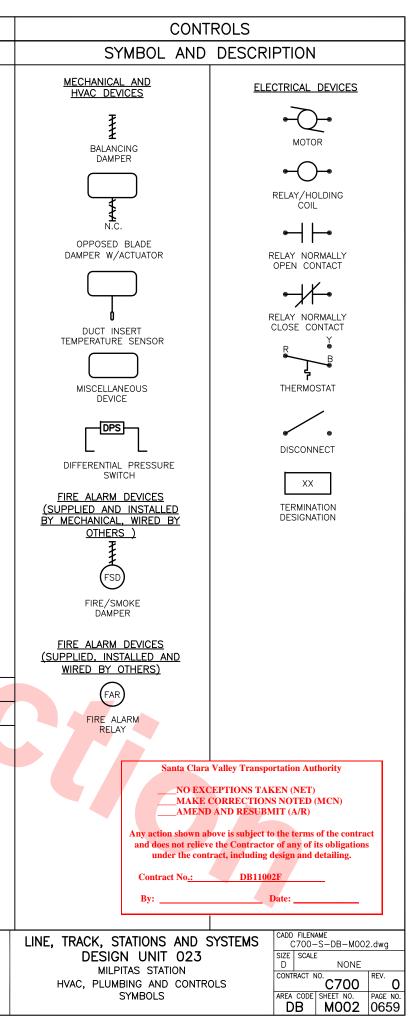
ALL BE SEALED PER CALIFORNIA MECHANICAL CODE CHAPTER 6 REQUIREMENTS. SEAL CLASS

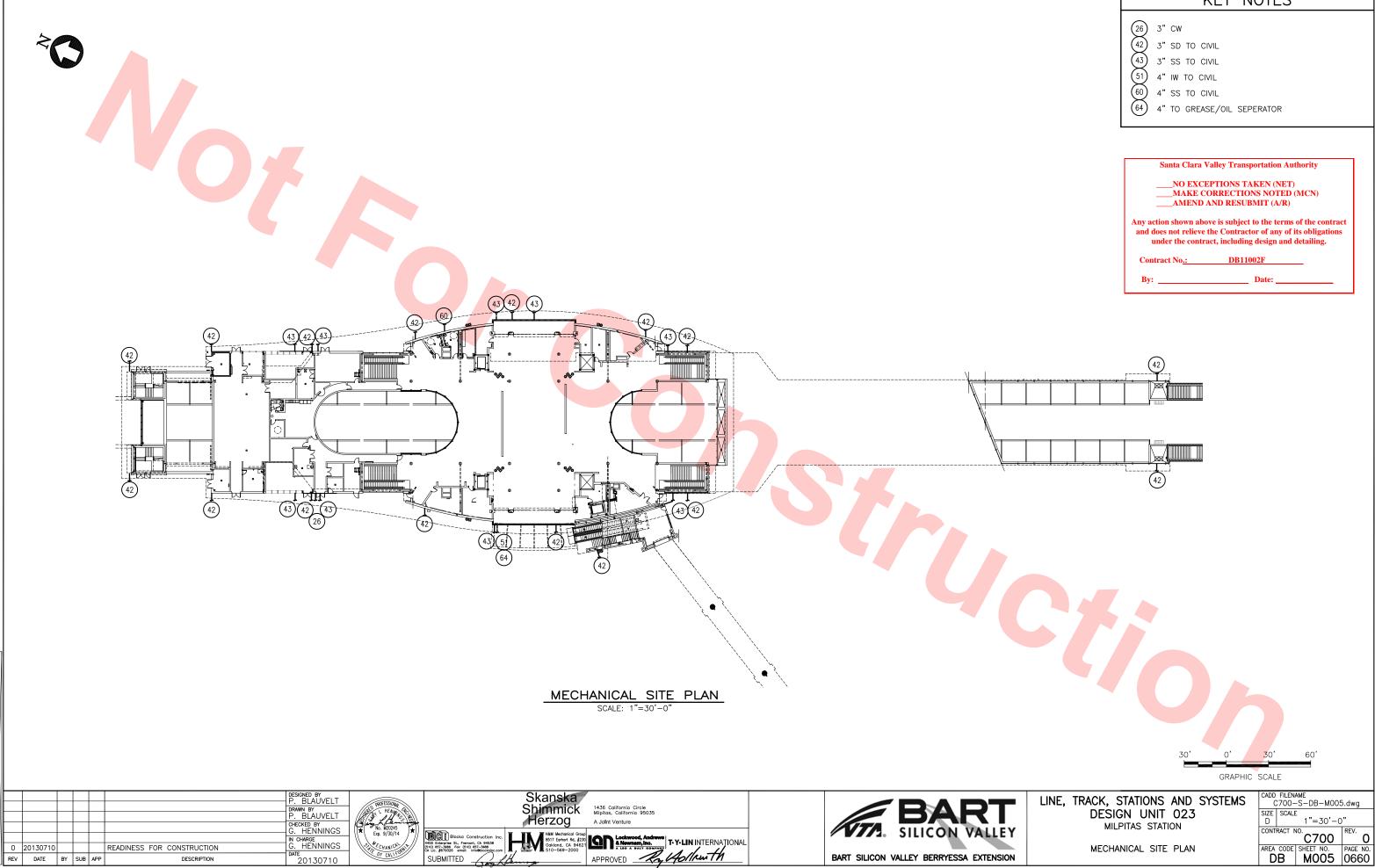
DAMPERS SHALL BE PROVIDED IN ALL DUCT BRANCHES TO INDIVIDUAL DIFFUSERS, GRILLES, AS WELL AS OUTSIDE AIR INTAKE DUCTS. DAMPERS SHALL BE LOCATED AT THE BRANCH . THE MECHANICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF DAMPERS WITH THE AIR RACTOR. IN LOCATIONS WHERE THESE DAMPERS ARE INACCESSIBLE, CABLE OPERATED VITROLS SHALL BE PROVIDED.

SHALL BE CONTROLLED BY SMOKE DETECTORS FURNISHED AND INSTALLED BY FIRE ALARM JUCT MOUNTED SMOKE DETECTORS SHALL BE FURNISHED BY FIRE ALARM CONTRACTOR AND ECHANICAL CONTRACTOR. ALL POWER AND SIGNAL WIRING FOR ALARM SYSTEM SHALL BE INSTALLED BY FIRE ALARM CONTRACTOR. INTERLOCK FOR SHUT DOWN CONTROLS SHALL BE DNTRACTOR.

			DD FILENAME C700-S-DB-M001.dwg		
	DESIGN UNIT 023 MILPITAS STATION	D	SCALE	NONE	
ſ	HVAC AND PLUMBING ABBREVIATIONS			IO. C700	REV. D
1	& GENERAL NUTES		B	M001	0658

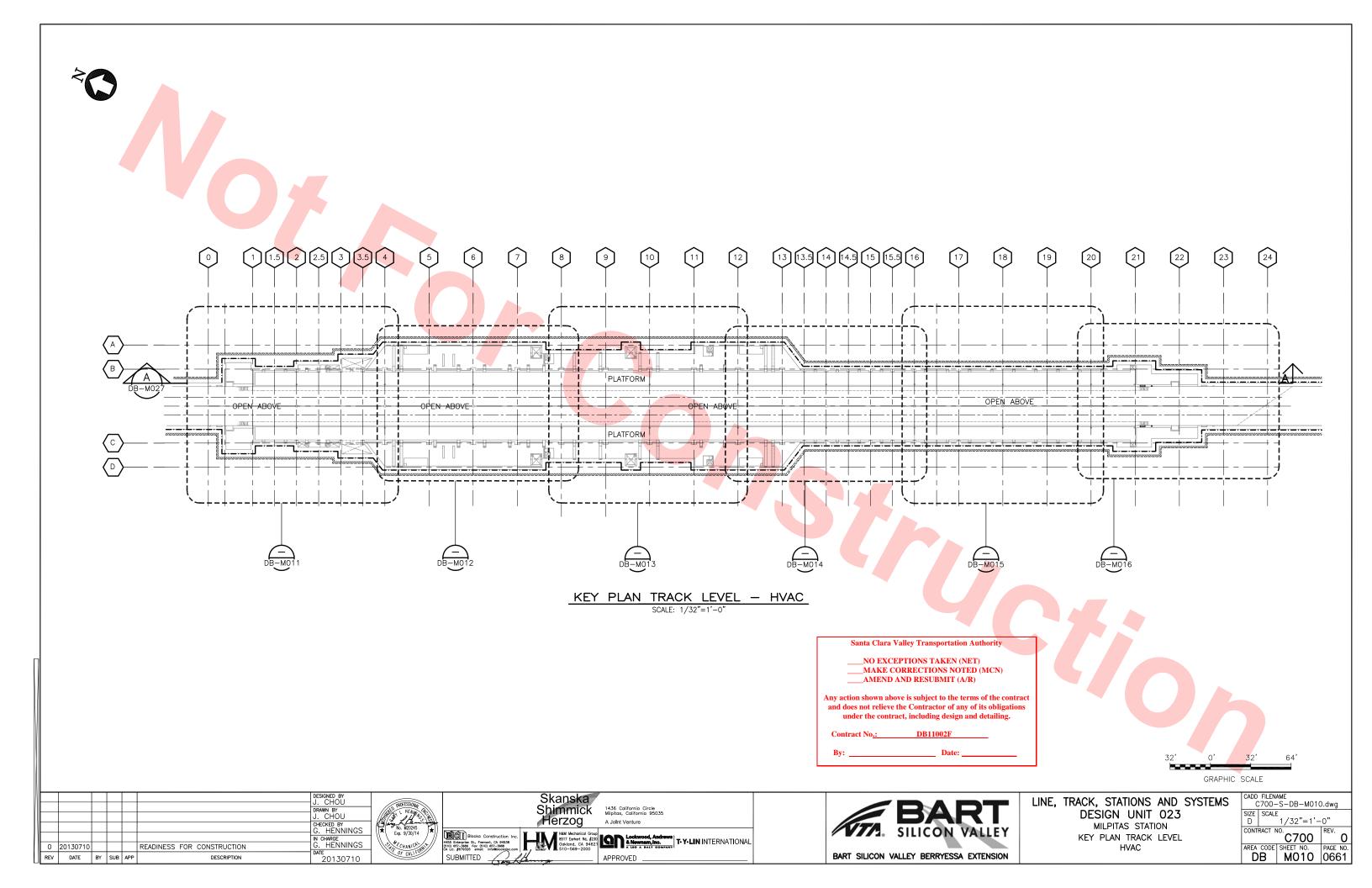
	HVAC		HVAC	PLUMBING		
STMBUL	SYMBOL DESCRIPTION		DESCRIPTION	SYMBOL	DESCRIPTION	
> 12x6 >	DUCT SIZE – FIRST FIGURE IS SIDE SHOWN	SAR	SOUND ATTENUATOR		TRAP PRIMER	
SA SA	SUPPLY AIR DUCT SECTION	-~~-	FLEXIBLE DUCT, 5' MAX		BALL VALVE	
RA	RETURN AIR DUCT SECTION		FAN, CENTRIFUGAL	+O	ELBOW UP	
EA EA	EXHAUST AIR DUCT SECTION			+>	ELBOW DOWN	
OA OA	OUTSIDE AIR DUCT SECTION		VANE—AXIAL FAN	AD-XX CB-XX	AREA DRAIN (AD) CATCH BASIN (CB FLOOR DRAIN (FD)	
	ROUND DUCT SECTION MANUAL VOLUME DAMPER		EQUIPMENT IDENTIFICATION TAG	FD-XX FS-XX HDN-XX PDN-XX	FLOOR DRAIN (FD) FLOOR SINK (FS) HOPPER DRAIN (HDN) PLANTER DRAIN (PDN)	
FDP	FIRE DAMPER WITH ACCESS PANEL (2 HOUR RATING)		COOLING COIL, DIRECT EXPANSION	-XX	(TYPE AS NOTED) GRATE FREE AREA x OUTLET (EXAMPLE 12x4 = 12 SQ IN x 4 IN GRATE SIZE)	
	DUCT THRU PENETRATION (2 HOUR RATING)	H	HEATING COIL, ELECTRIC	O RD-XX	ROOF DRAIN (TYPE AS NOTED) OVERFLOW ROOF DRAIN (TYPE AS NOTED)	
SDP	SPLITTER DAMPER		FILTER, DISPOSABLE	С 0FD=XX С wha	WATER HAMMER ARRESTOR	
	ADJUSTABLE EXTRACTOR	RD	REFRIGERANT DISCHARGE	│	FLOOR CLEAN OUT	
	FLEXIBLE DUCT AND EQUIPMENT	RL	REFRIGERANT LIQUID REFRIGERANT SUCTION		WALL CLEAN OUT	
	CONNECTION			EJ	EXPANSION JOINT	
	ELBOW WITH TURNING VANES	(1)	THERMOSTAT		FLEXIBLE PIPE CONNECTOR	
	TEE WITH TURNING VANES		PLUMBING		GROOVED COUPLING	
		SYMBOL	DESCRIPTION		POINT OF CONNECTION	
SIZE CSD CFM	CSD = CEILING SUPPLY DIFFUSER SIZE = NECK SIZE	CW	COLD WATER (DOMESTIC)		SEWAGE EJECTOR	
	CFM = FLOW IN CFM	HWS	HOT WATER SUPPLY (DOMESTIC)		PUMP	
		HWR	HOT WATER RETURN (DOMESTIC)		URINAL	
CFM	CEILING RETURN DIFFUSER-TYPE	A	COMPRESSED AIR LINE FUEL OIL DISCHARGE	∑ wc−xx	WATER CLOSET (TYPE AS NOTED)	
↓ <u>WEG</u> CFM	WALL EXHAUST GRILLE	FOR	FUEL OIL RETURN	LAV-XX	LAVATORY, WALL HUNG (TYPE AS NOTED)	
		FOS	FUEL OIL SUCTION	DF	DRINKING FOUNTAIN	
WRG SIZE CFM	WALL RETURN GRILLE	IW	INDUSTRIAL WASTE LINE	К	KITCHEN SINK	
	WALL SUPPLY REGISTER	SS	SANITARY SEWER ABOVE GRADE		MOP SINK, SERVICE SINK	
	WALL SUFFLI NEGISTER	SS	SANITARY SEWER BLOW GRADE WASTE DRAIN ABOVE GRADE		SHOWER	
	WALL TRANSFER GRILLE (TWO-GRILLES)	w	WASTE DRAIN ADOVE GRADE	WH	WATER HEATER	
- 	LOUVER	SD	STORM DRAIN ABOVE GRADE STORM DRAIN BLOW GRADE	ES/EW	EMERGENCY SHOWER/EYE WASH	
	LOUVER	v	VENT		CONTROLS	
	DOOR LOUVER	CD	CONDENSATE DRAIN	SYM	BOL AND DESCRIPTION	
	ACOUSTICAL LINED DUCT, 2 INCHES UNLESS OTHERWISE NOTED	│ > │	DIRECTION OF SLOPE, RISE (R), DROP (D)	011		
	BACK DRAFT DAMPER		UNION BLIND FLANGE	SIGNA	L/CONTROLS CARRIERS	
	DUCT RISE IN DIRECTION OF AIR FLOW	co	CLEAN OUT		—LINE VOLTAGE WIRING (#14 AWG OR #12 AWG)	
	DUCT DROP IN DIRECTION OF AIR FLOW		CAP ON END OF PIPE CHECK VALVE (FLOW ARROW SHOWN)		——LOW VOLTAGE WIRING OR CABLING (#18 AWG)	
	RECTANGULAR TO ROUND TRANSITION	₹	PRESSURE REGULATOR VALVE	REFER	ENCES AND TERMINATIONS	
ubx-ghen	MOTORIZED DAMPER		PRESSURE RELIEF VALVE	TE		
	MOTOR	Q	PRESSURE GAUGE W/GAUGE CLOCK		TERMINITIONS	
	SMOKE/FIRE DAMPER WITH ACCESS DOOR, 2 HOUR RATING	+	, HOSE BIBB	CONN EXC		
	DESIGNED BY J. CHOU DRAWN BY J. CHOU CHECKED BY G. HENNINGS		Skanska Shimmick 1436 California Circle Milpitas, California 95035 A John Venture Biocka Construction Inc.	·	SILICON VALLEY	
O 20130710 F B REV DATE BY SUB APP	READINESS FOR CONSTRUCTION G. HENNINGS DESCRIPTION DATE 20130710	STATE CHANICAL TE	St. Fromont, CA 94538 For (510) 657-3688 5 email: info@blockginc.com	IN INTERNATIONAL	BART SILICON VALLEY BERRYESSA EXTENSION	

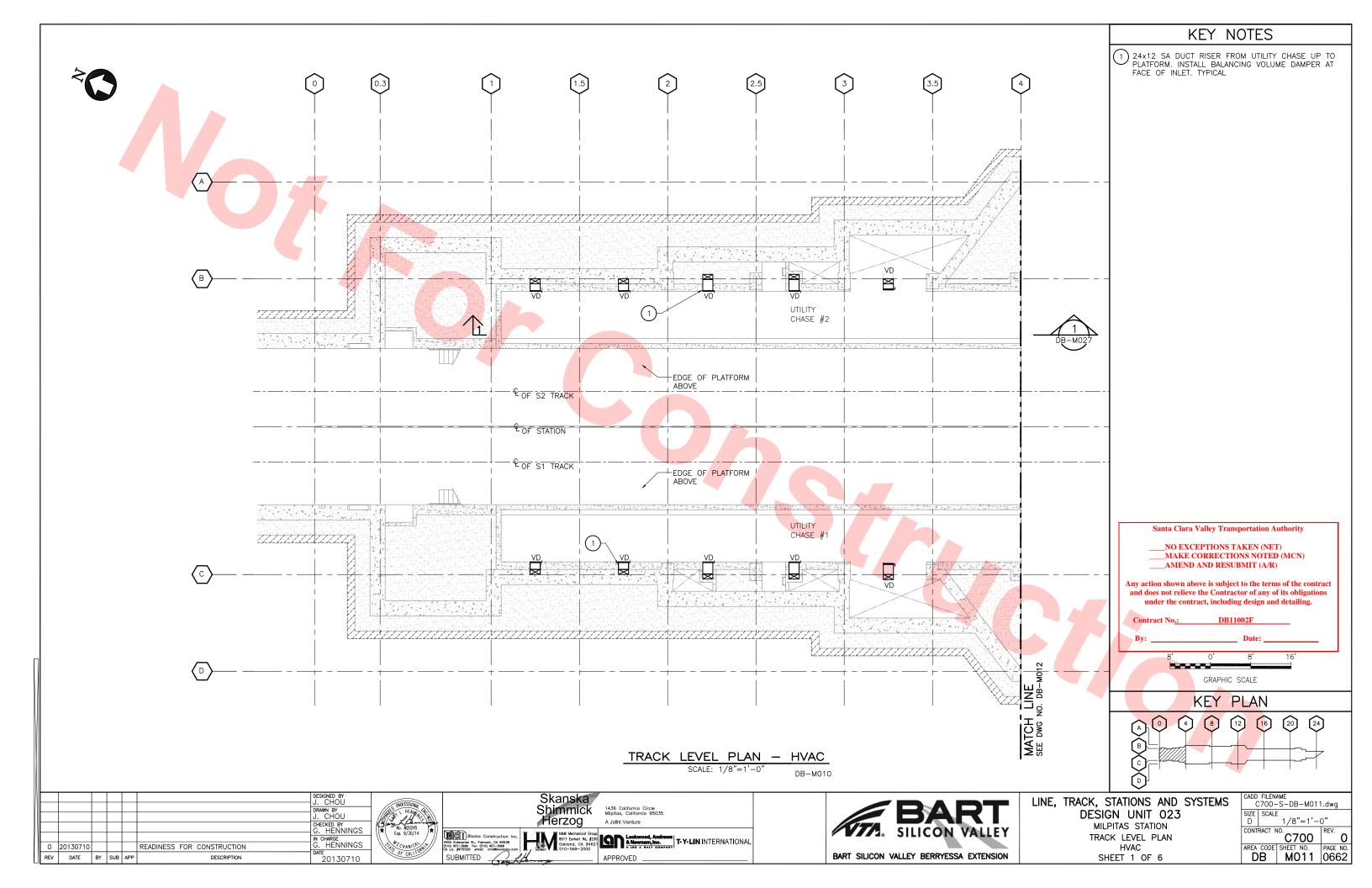


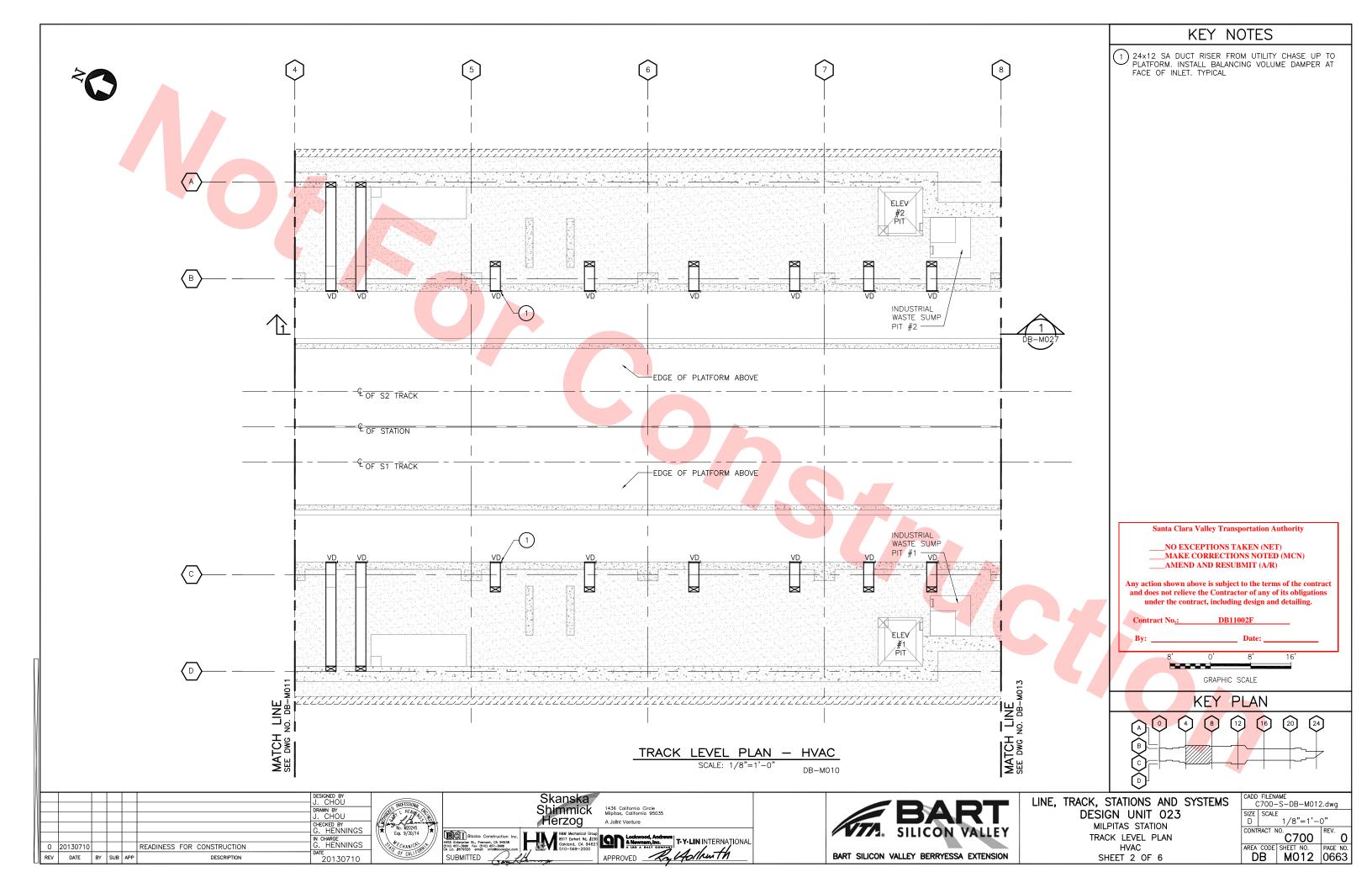


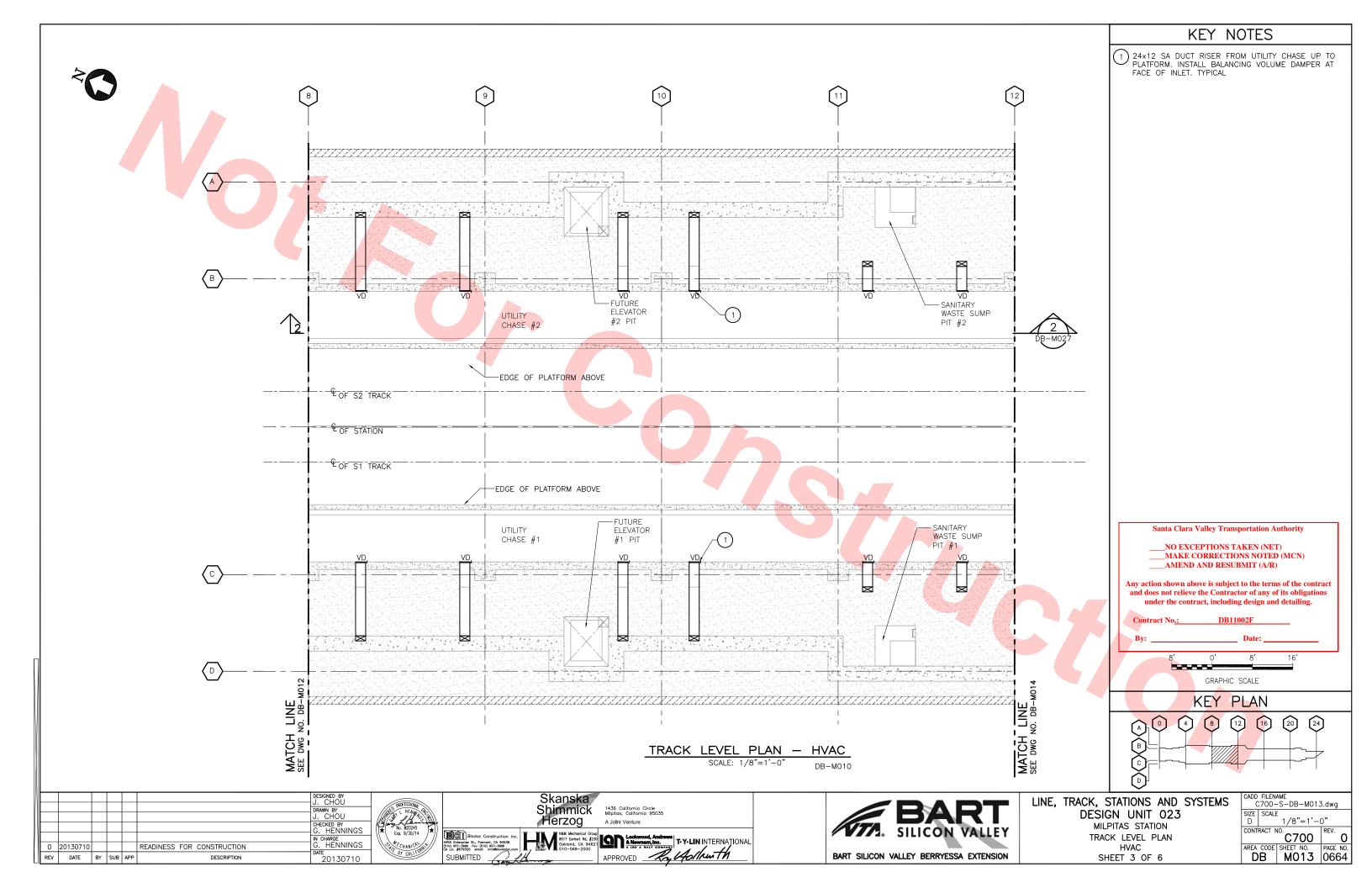
26	3" CW
(42)	3" SD TO CIVIL
(43)	3" SS TO CIVIL
(51)	4" IW TO CIVIL
60	4" SS TO CIVIL
64	4" TO GREASE/OIL SEPERATOR

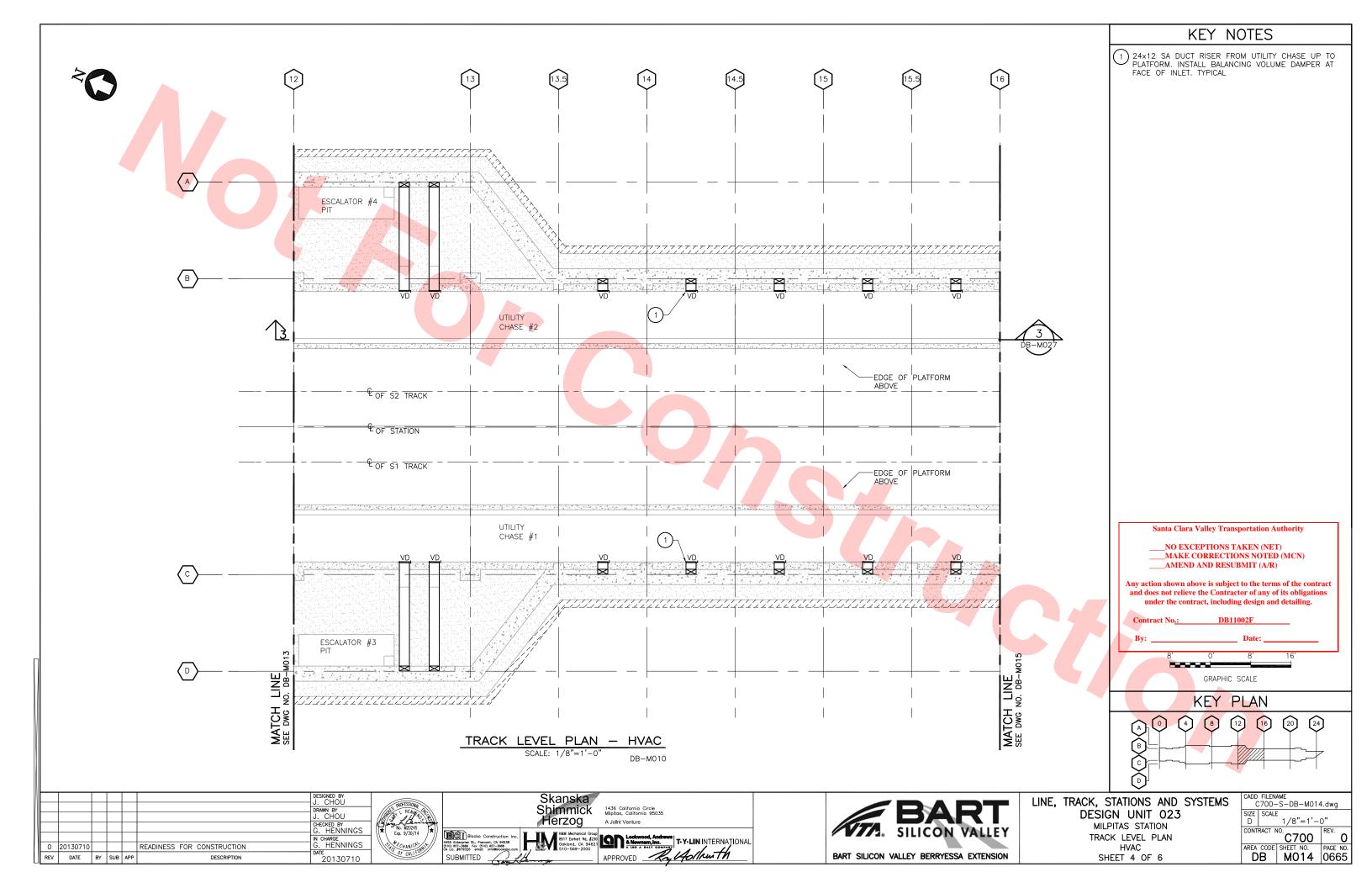
Santa Clara I	Valley Transportation Authority		
Santa Ciara V	ancy fransportation Authority		
NO EXCH	EPTIONS TAKEN (NET)		
MAKE C	ORRECTIONS NOTED (MCN)		
AMEND A	AND RESUBMIT (A/R)		
Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations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

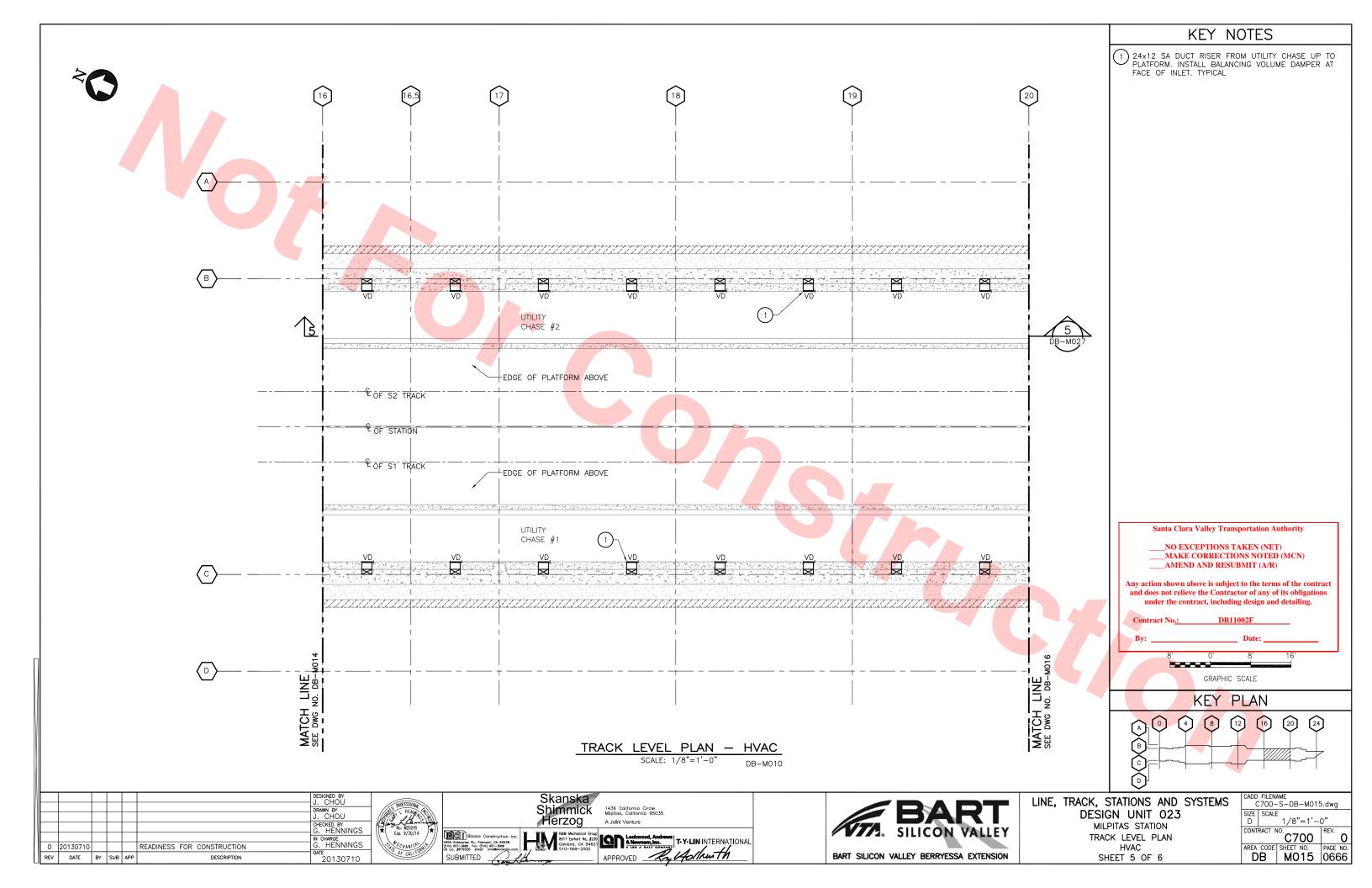


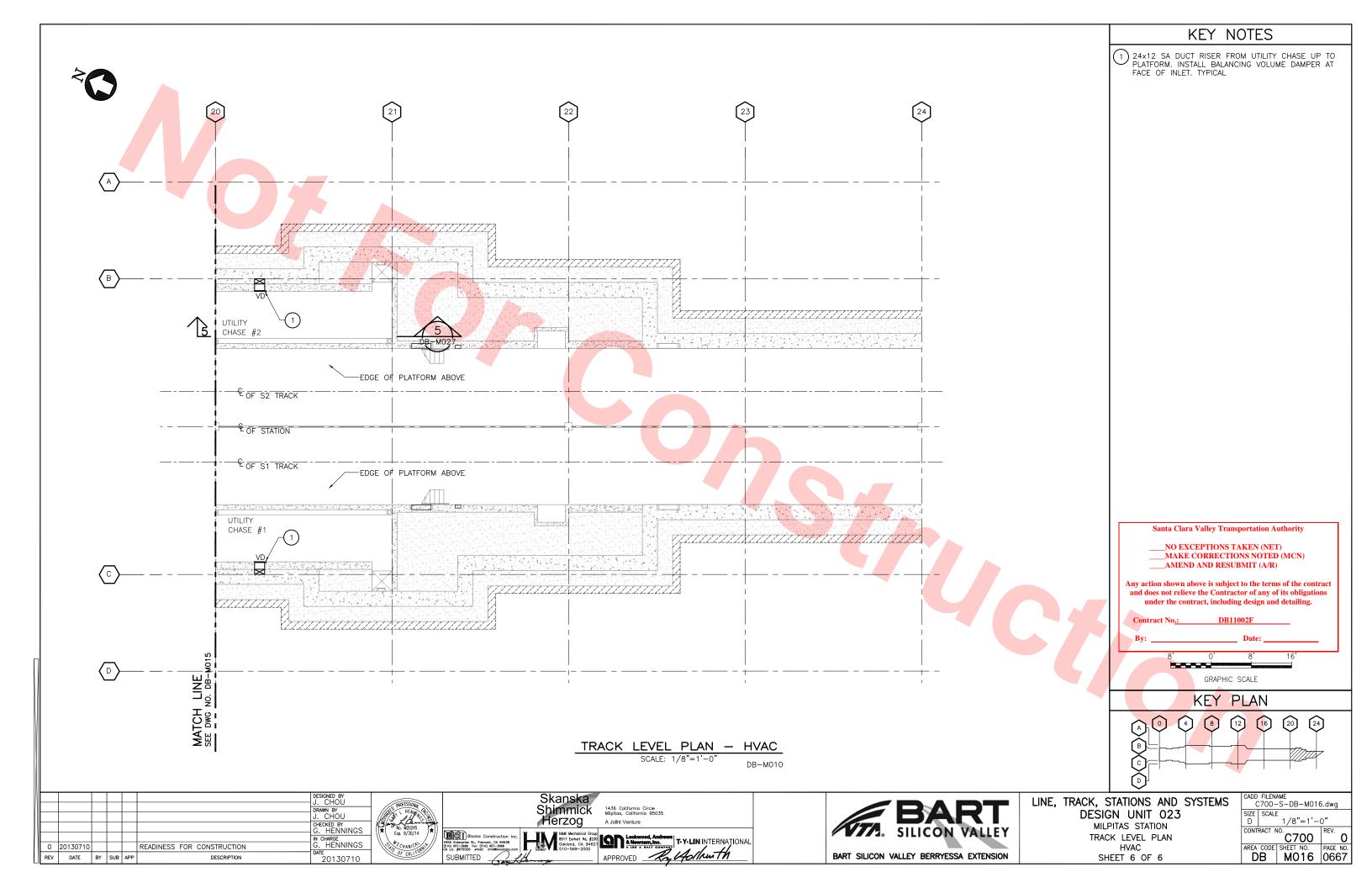


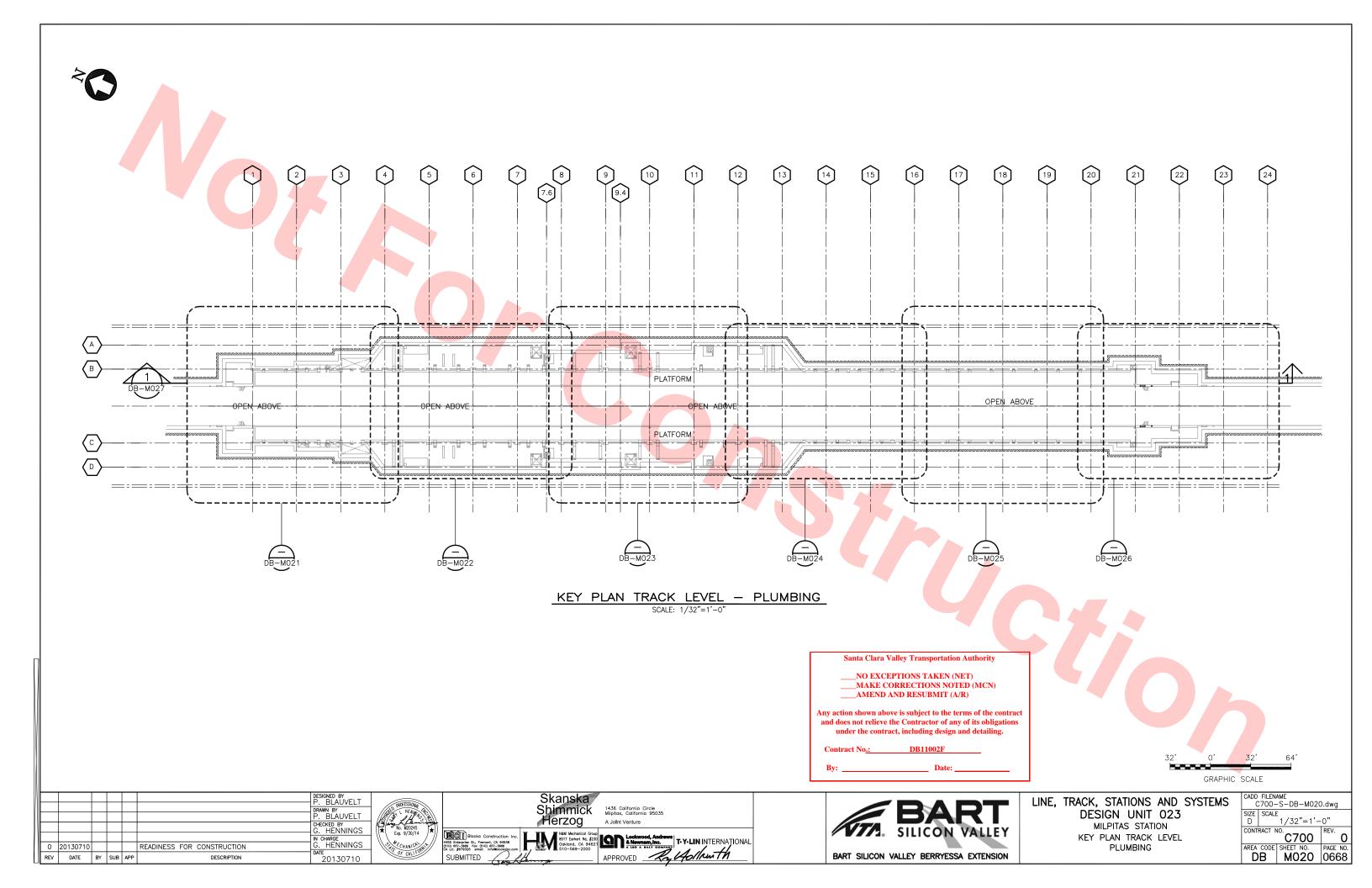


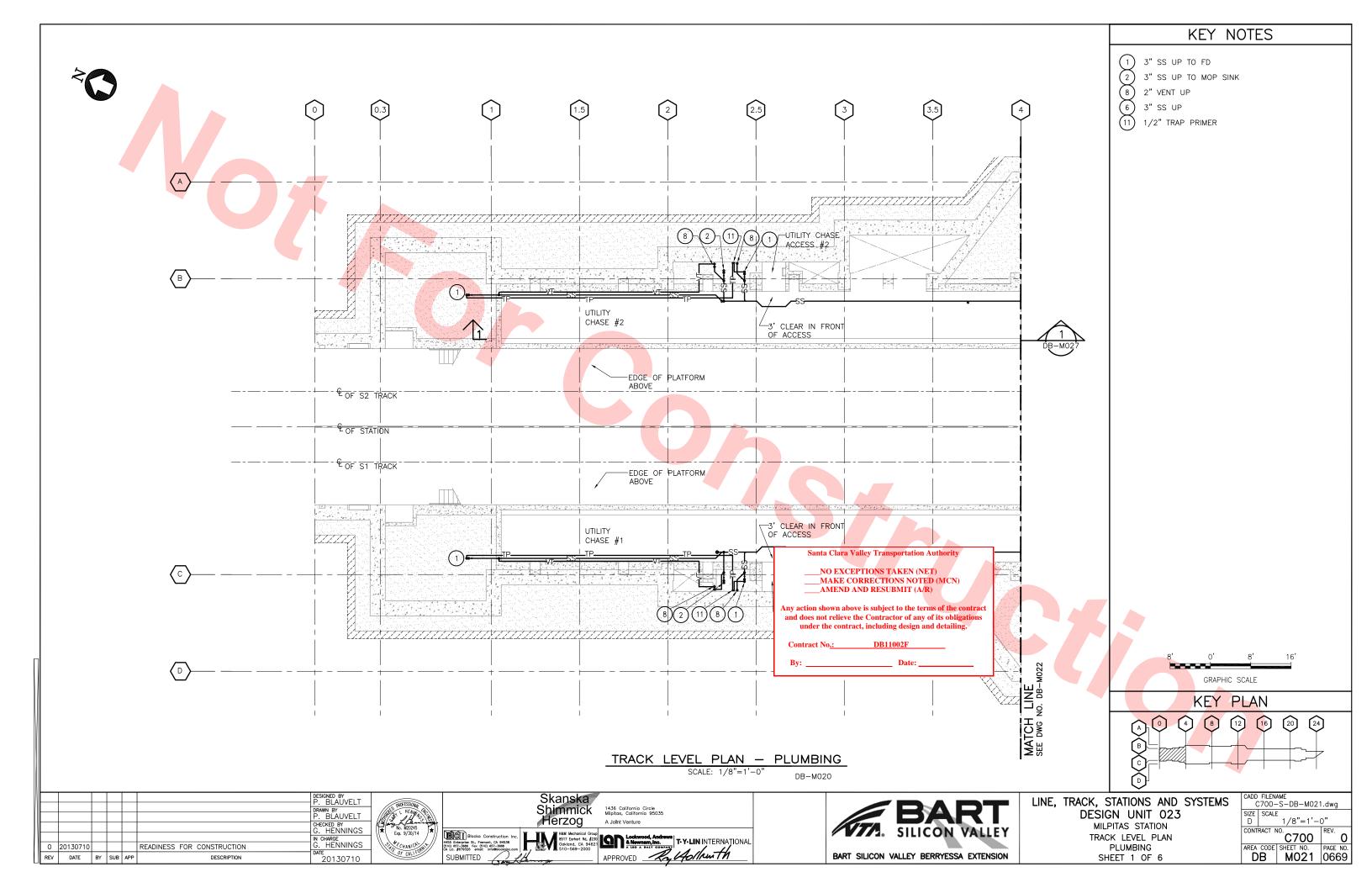


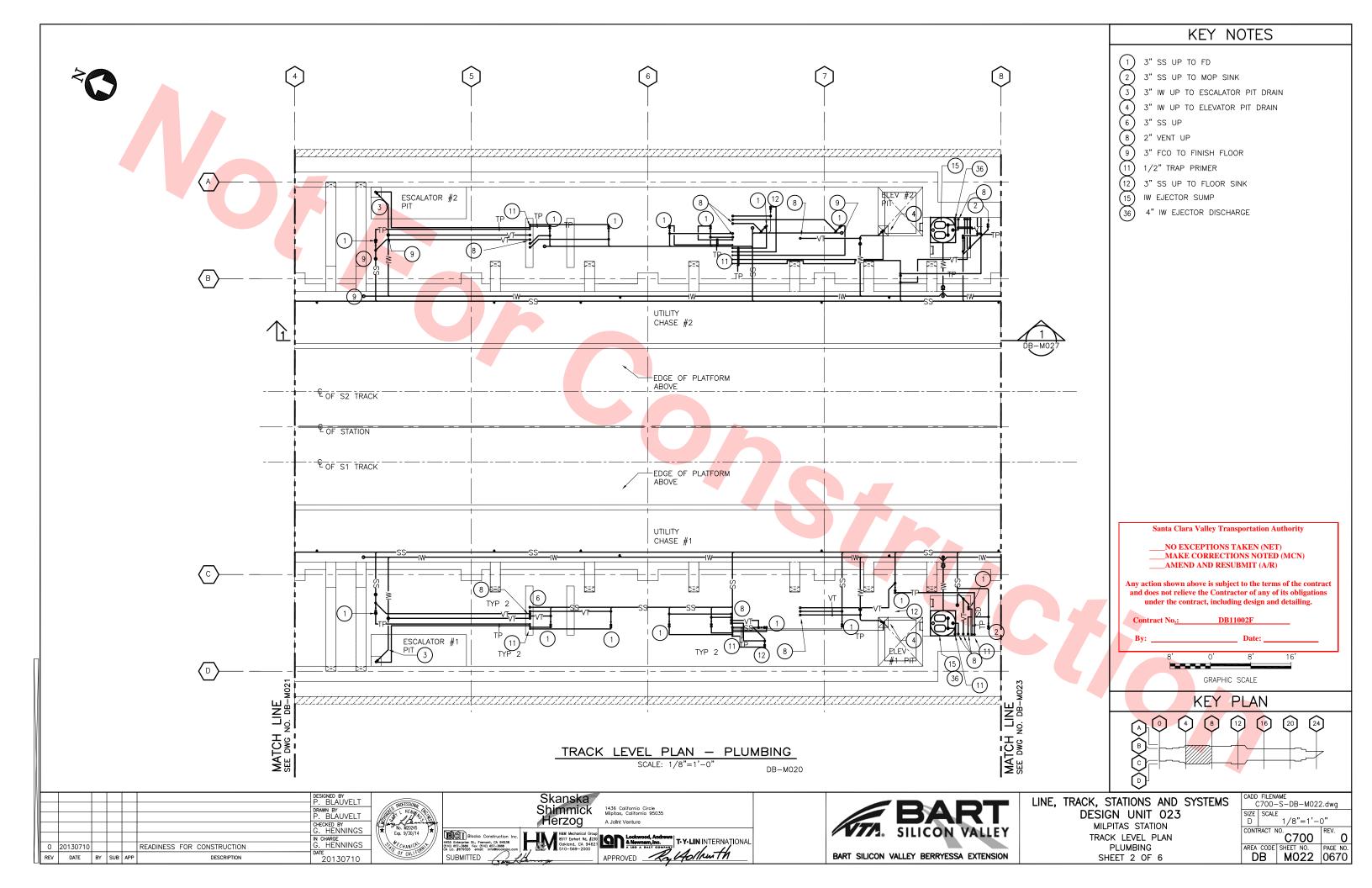


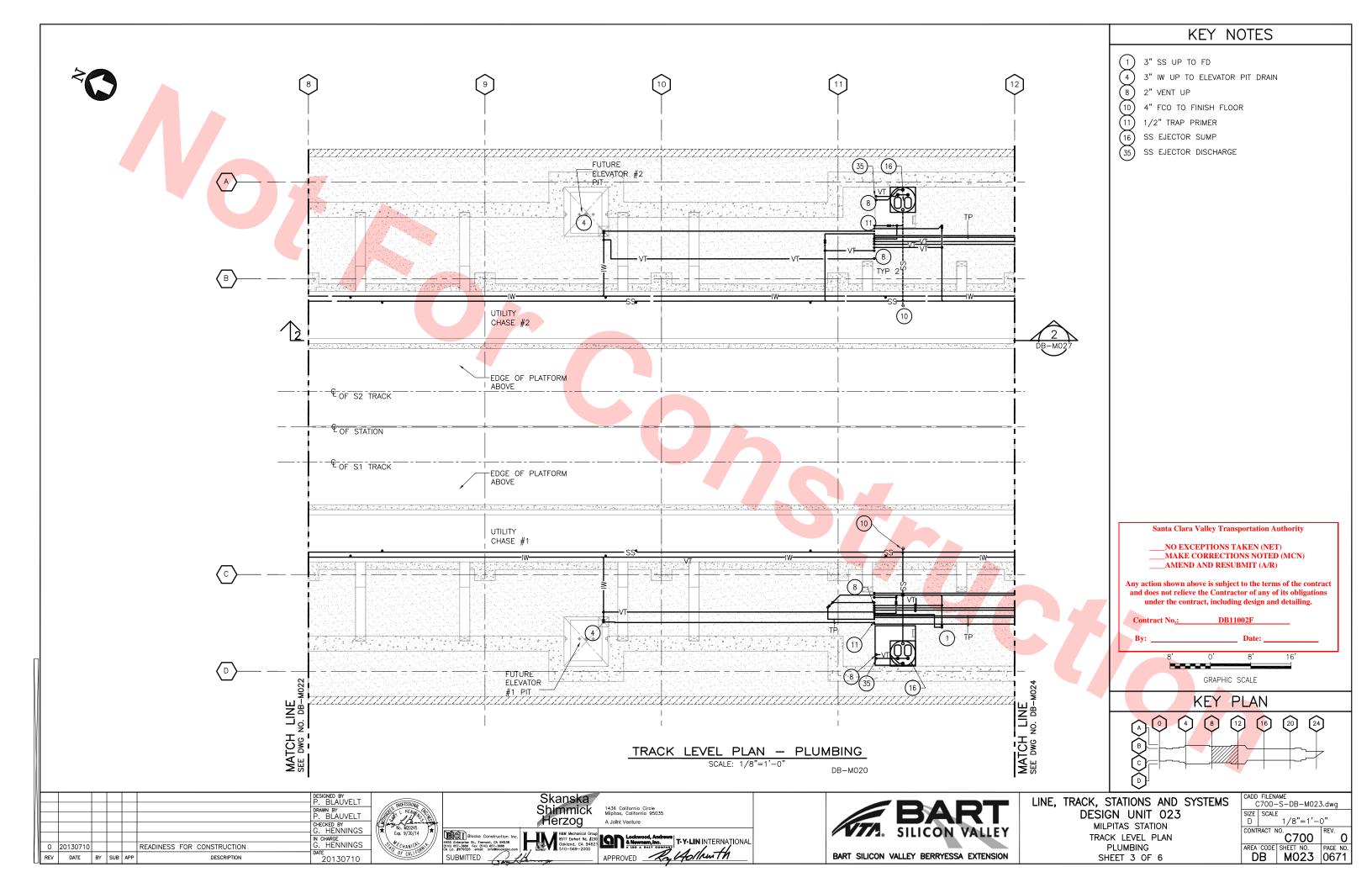


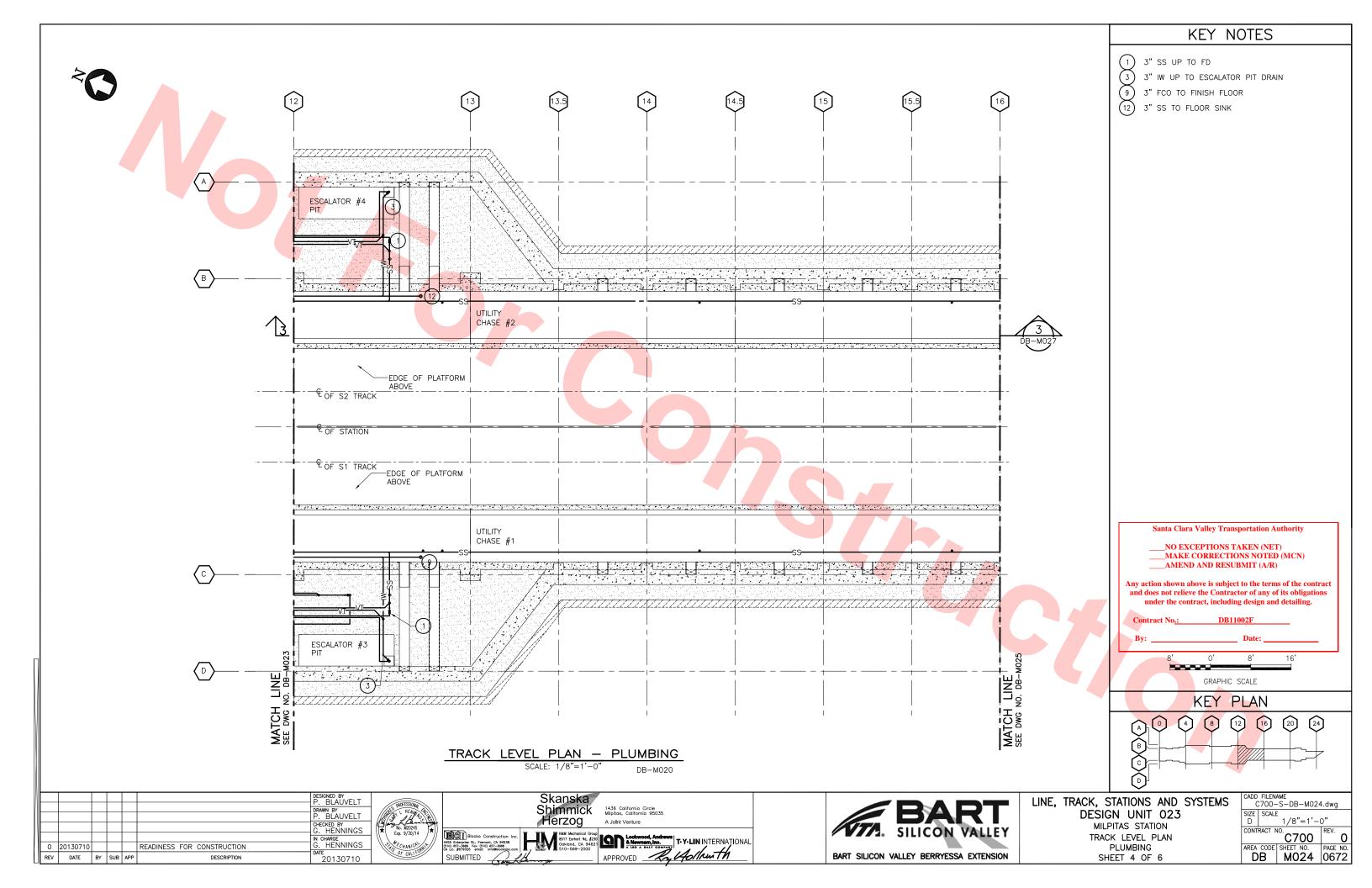


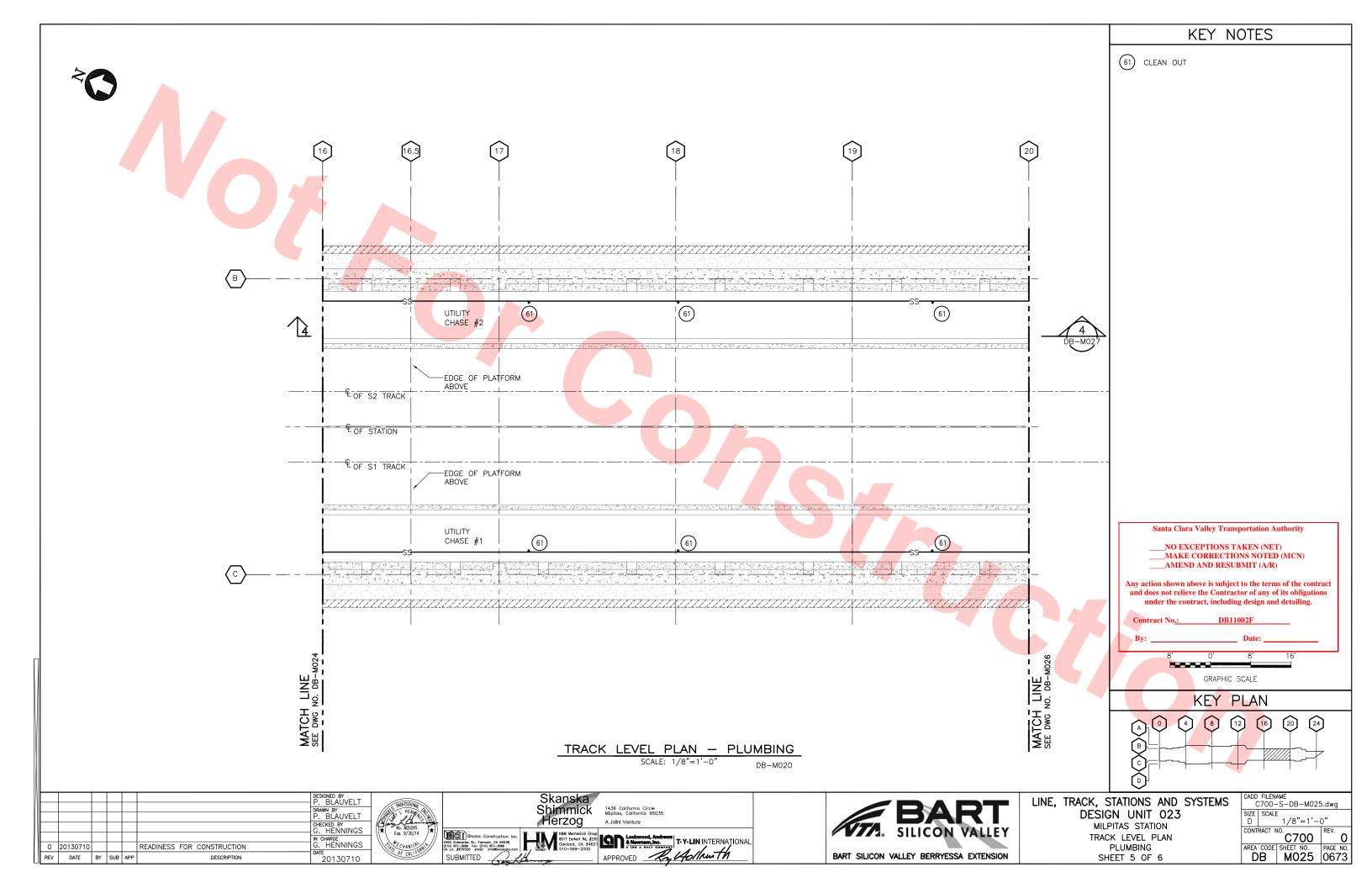


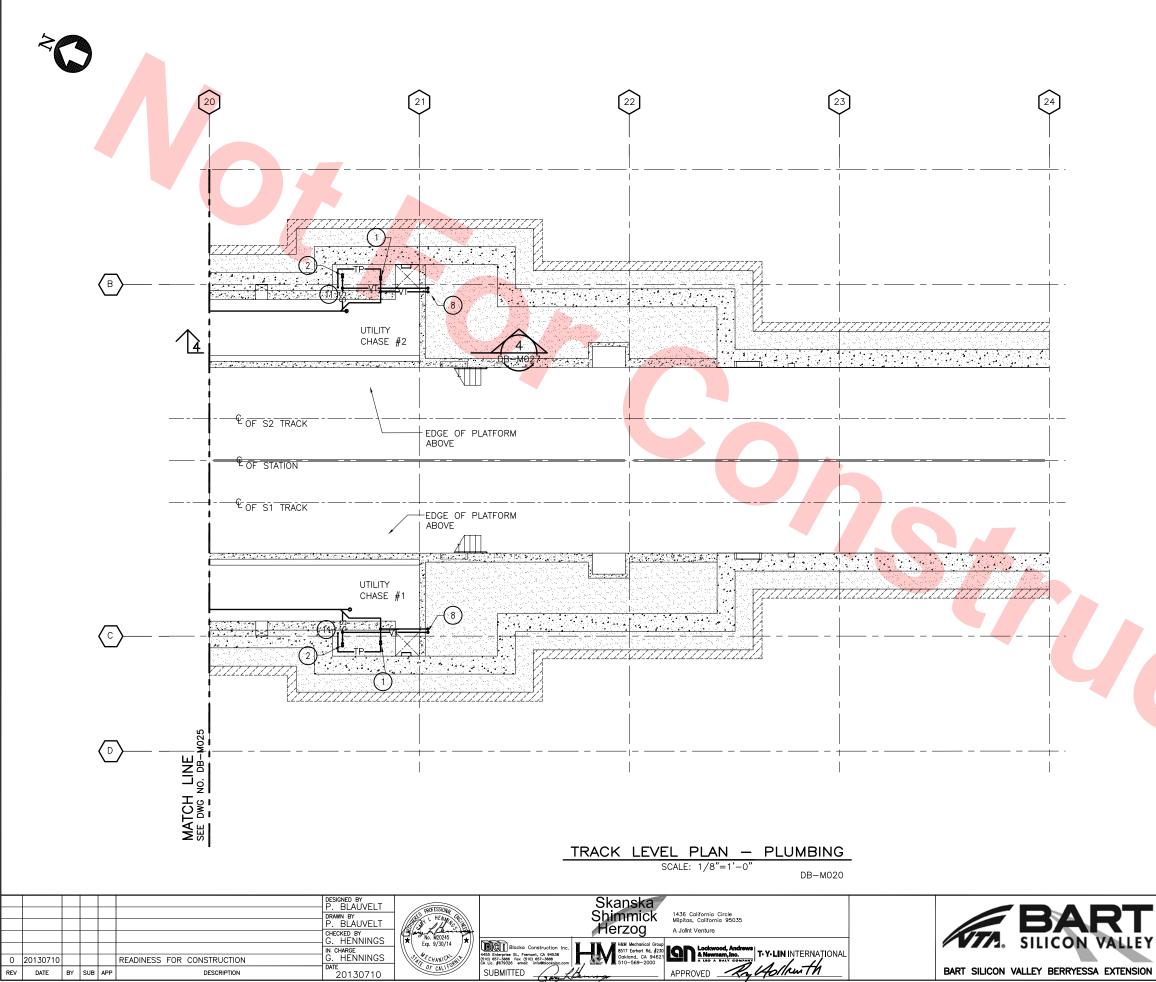






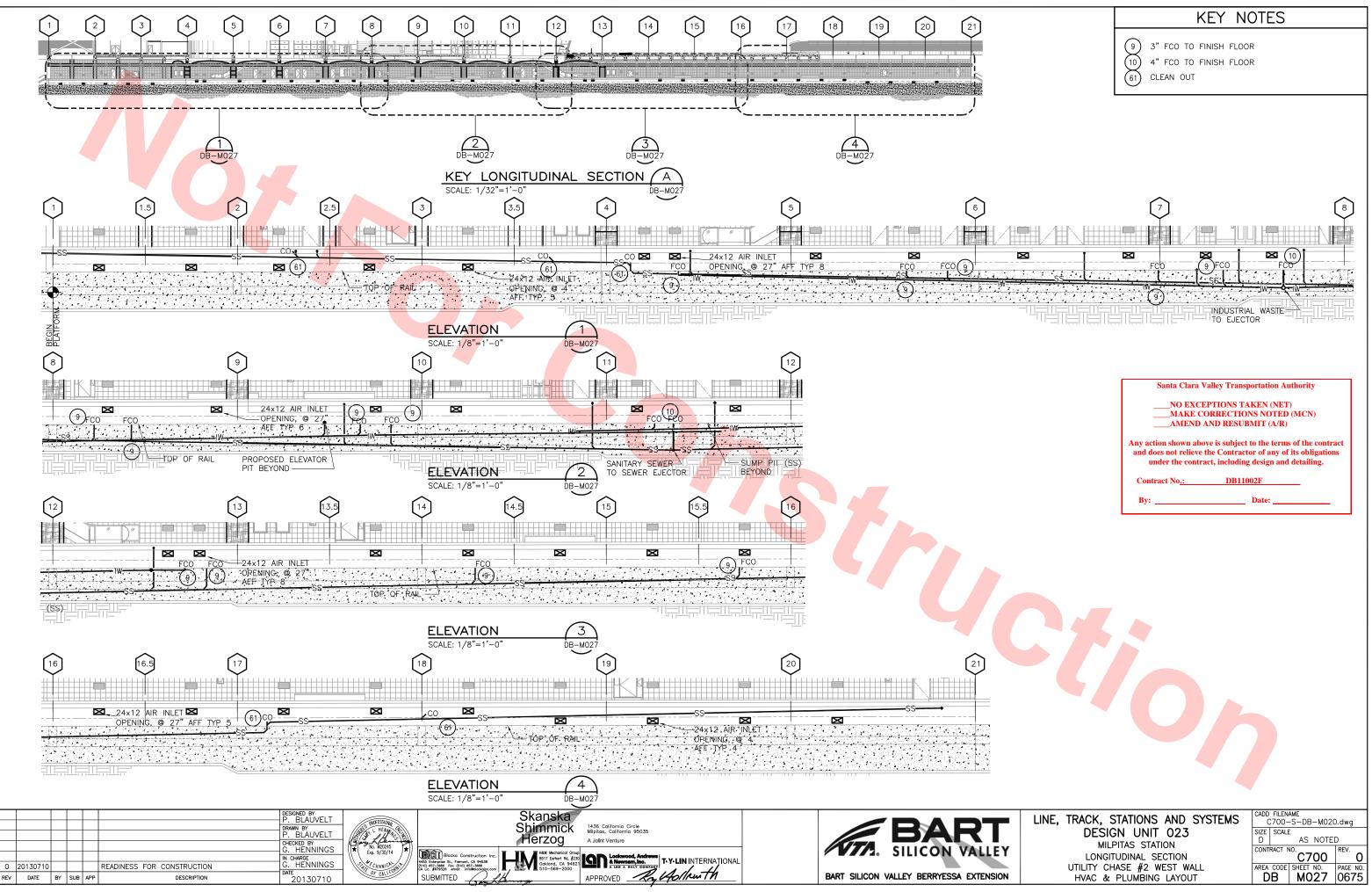




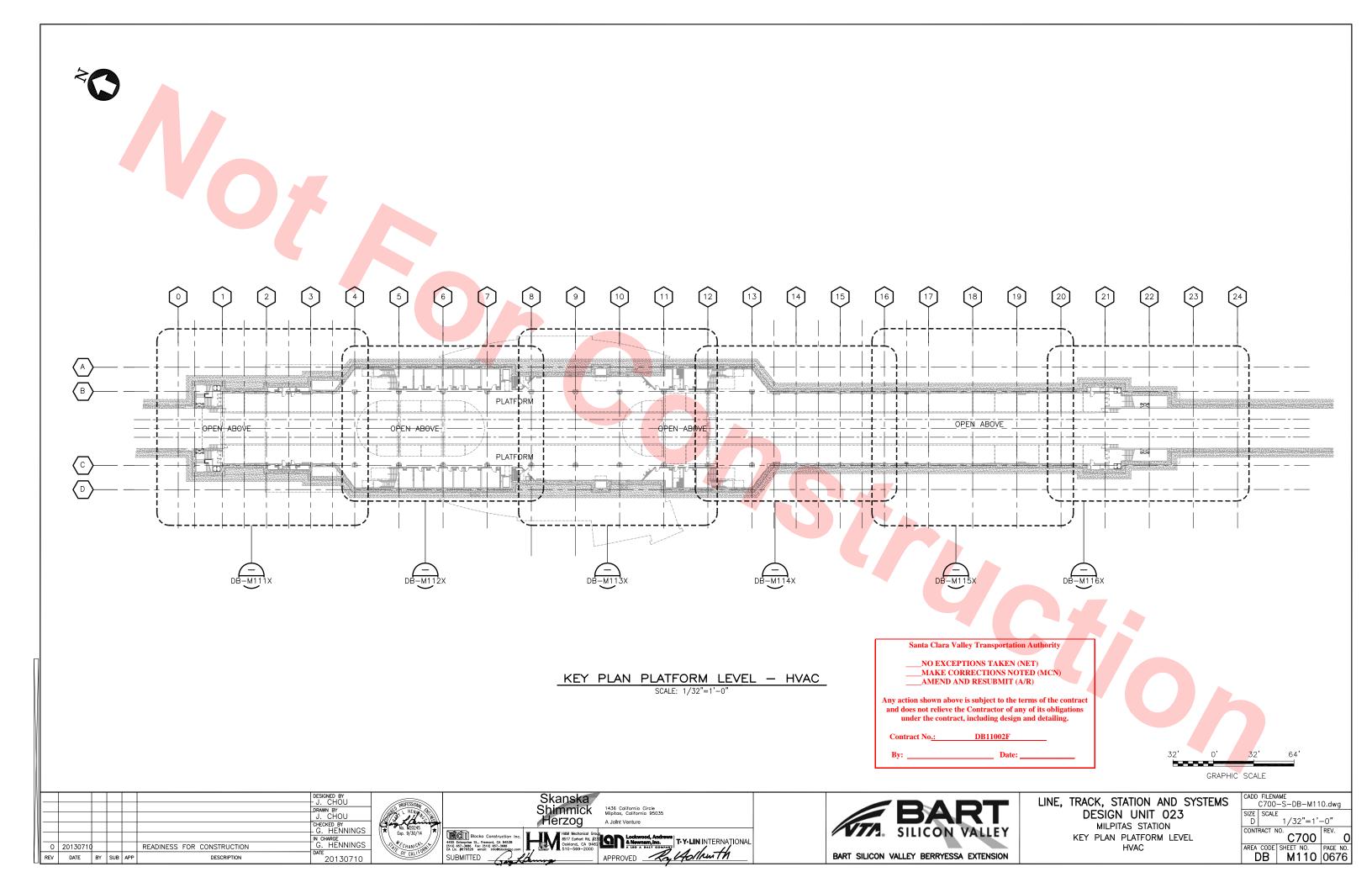


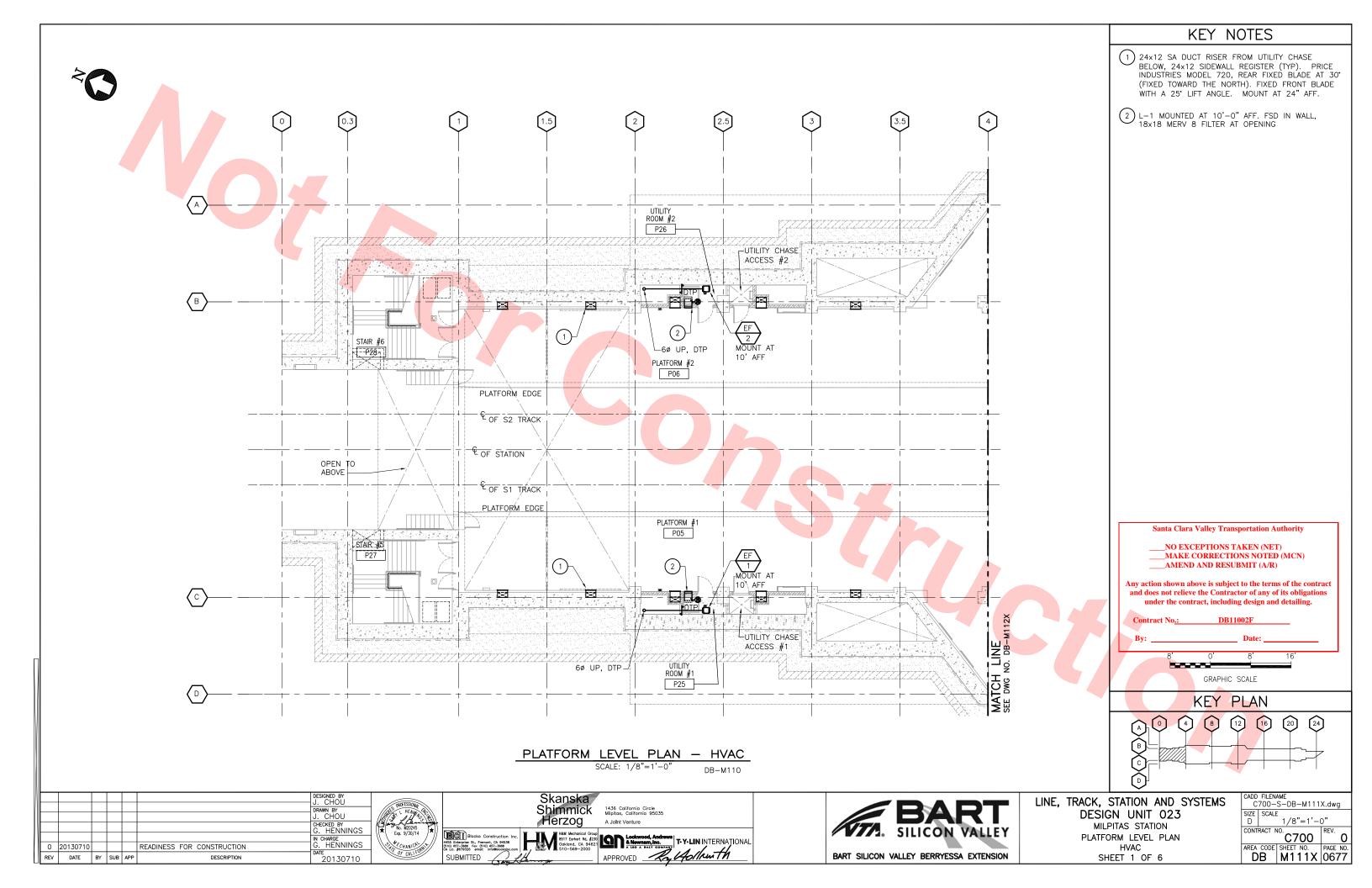
KEY NOTES (1) 3" SS UP TO FD 2 3" SS UP TO MOP SINK (8) 2" VENT UP (11) 1/2" TRAP PRIMER Santa Clara Valley Transportation Authority
 NO EXCEPTIONS TAKEN (NET)

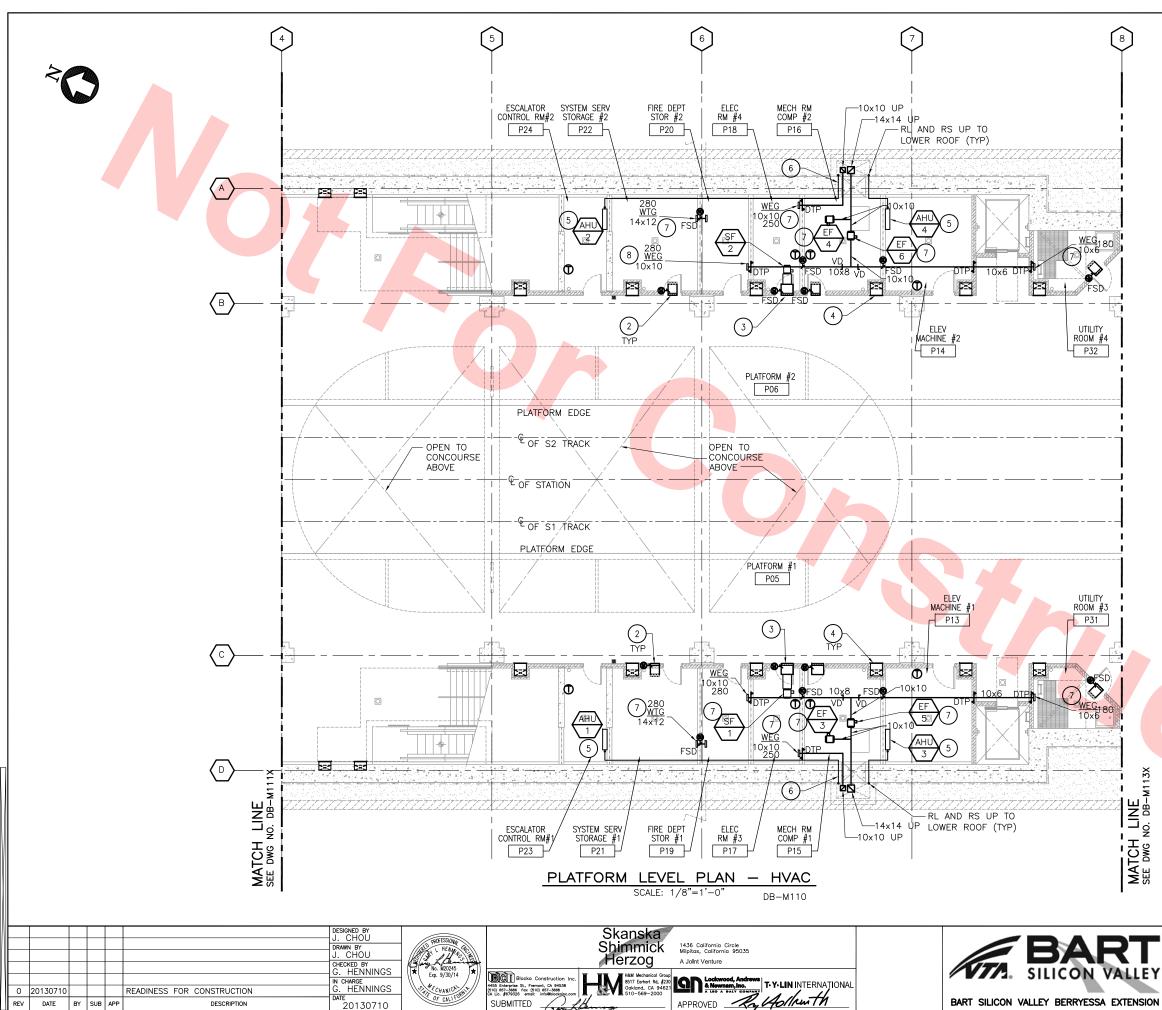
 ____MAKE CORRECTIONS NOTED (MCN)
 AMEND AND RESUBMIT (A/R) Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing. **DB11002** GRAPHIC SCALE KEY PLAN 4 3 12 [16] 20 24 ᡅ $\left(\circ\right)$ \bigcirc CADD FILENAME C700-S-DB-M020.dwg LINE, TRACK, STATIONS AND SYSTEMS SIZE SCALE D 1/32"=1'-0" DESIGN UNIT 023 MILPITAS STATION REV. 0 CONTRACT NO. ^{°.}C700 TRACK LEVEL PLAN PLUMBING AREA CODE SHEET NO PAGE NO. DB M026 0674 SHEET 6 OF 6



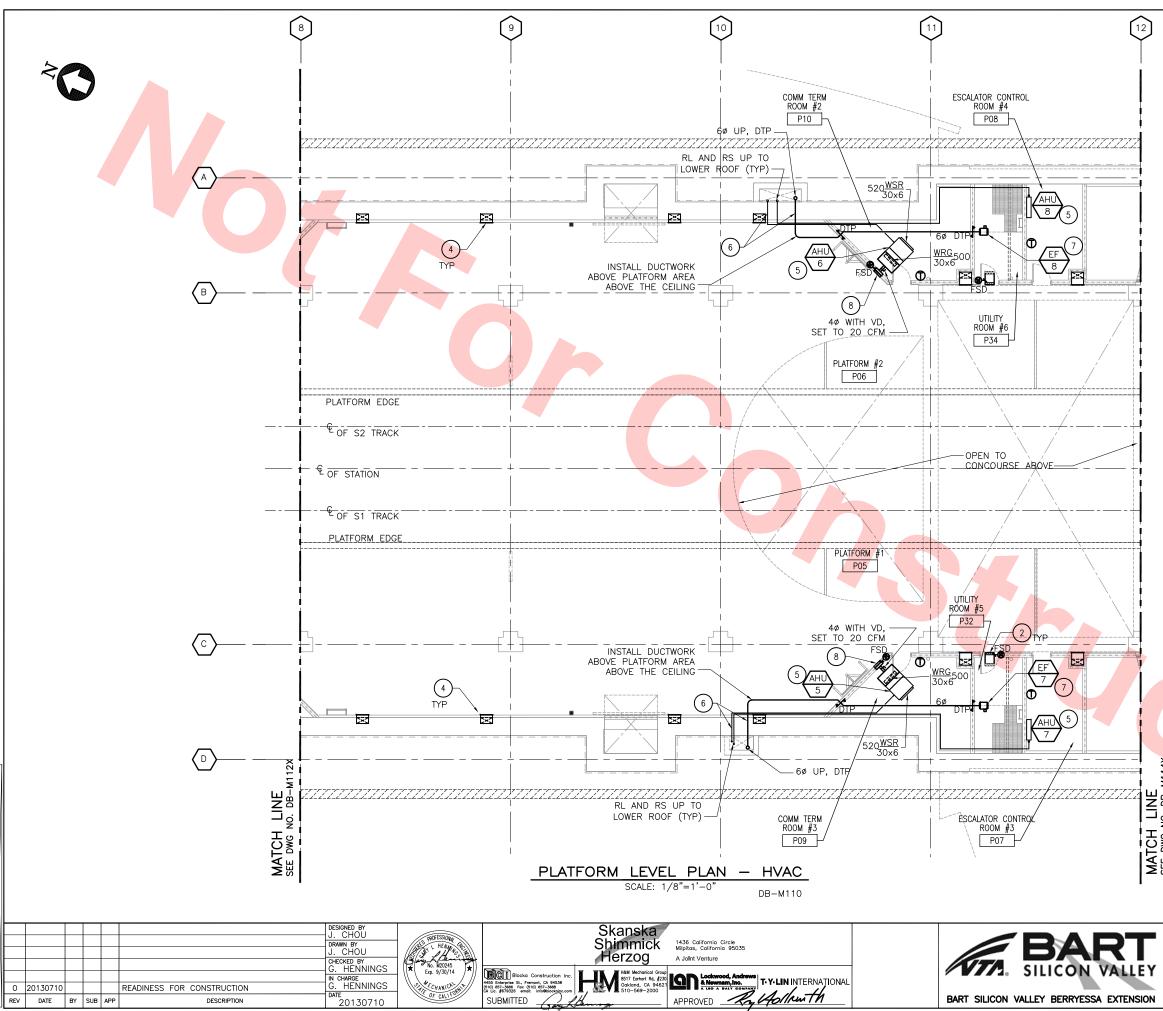
Santa Clara	Valley Transportation Authority
NO EXC	EPTIONS TAKEN (NET)
MAKE C	ORRECTIONS NOTED (MCN)
AMEND	AND RESUBMIT (A/R)
and does not relieve	ove is subject to the terms of the contra the Contractor of any of its obligation act, including design and detailing.
Contract No <u>.:</u>	DB11002F



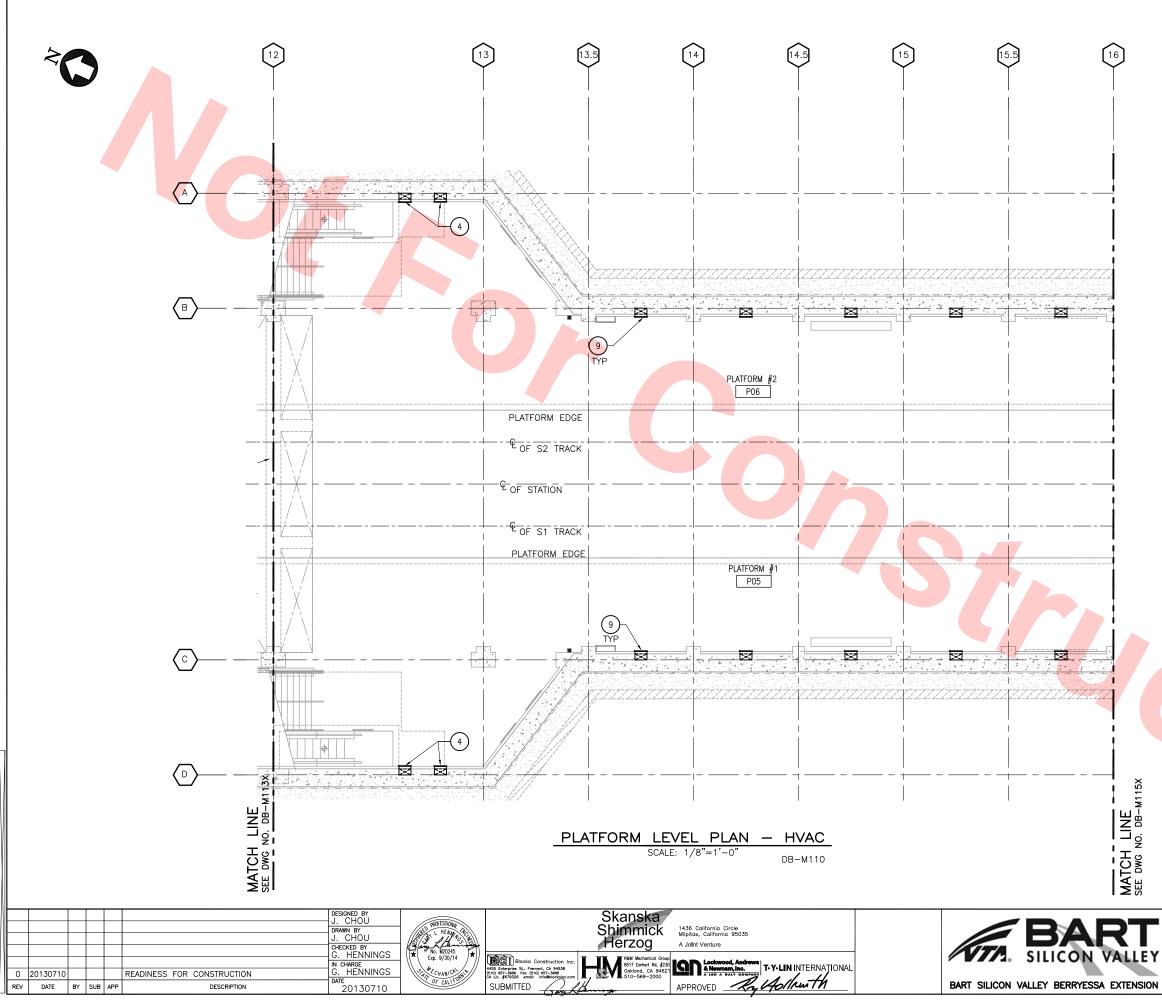




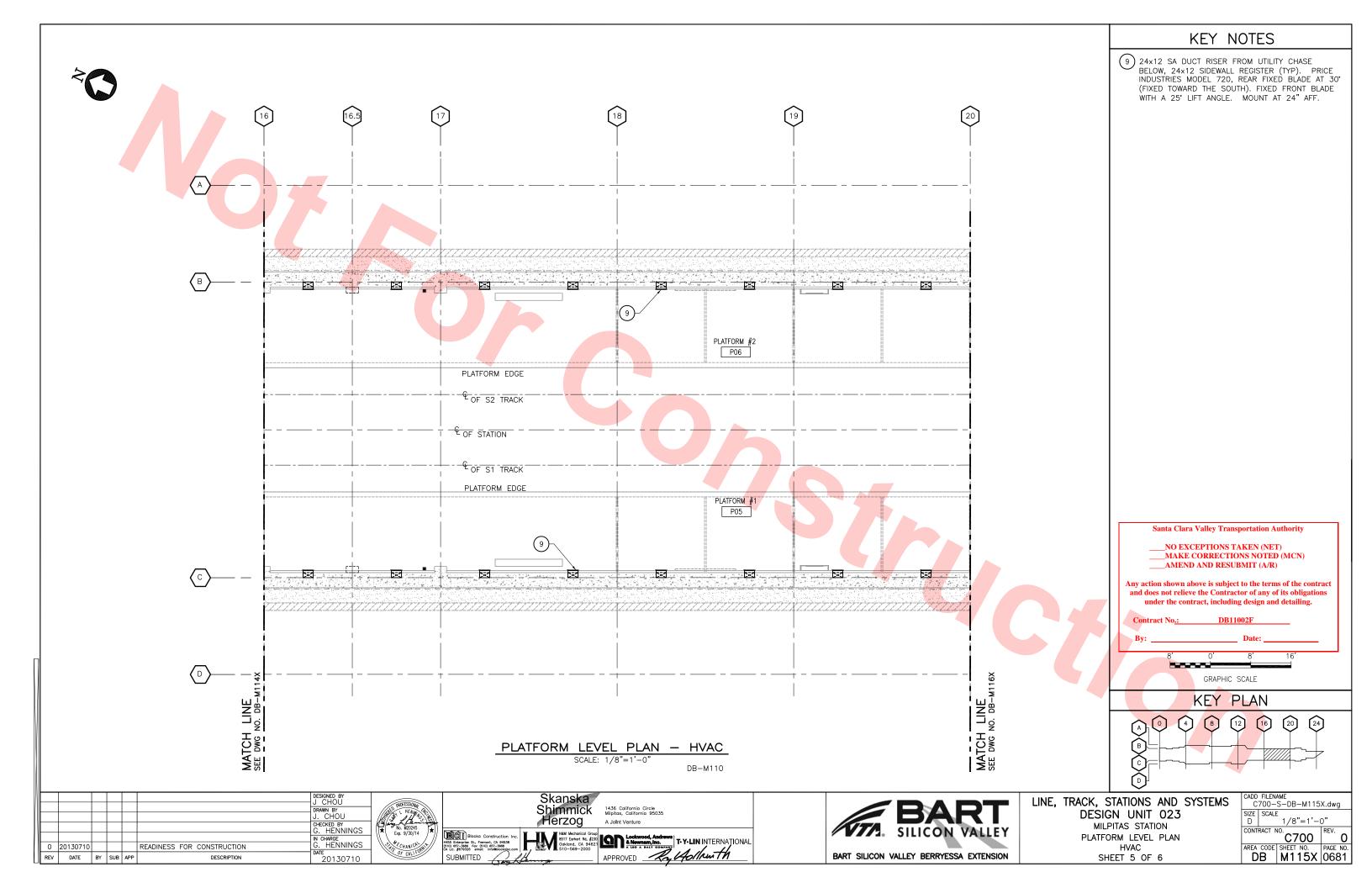
KEY NOTES 2 L-1 MOUNTED AT 10'-0" AFF. FSD IN WALL, 18x18 MERV 8 FILTER AT OUTLET OPENING (3) L-2 MOUNTED AT 10'-0" AFF. FSD IN WALL (4) 24x12 SA DUCT RISER FROM UTILITY CHASE BELOW, 24×12 SIDEWALL REGISTER (TYP). PRICE INDUSTRIES MODEL 720, REAR BLADES FIXED STRAIGHT. FIXED FRONT BLADES WITH A 25° LIFT ANGLE. MOUNT AT 24" AFF. 5 MOUNT AHU 7'-6" AFF. EXTEND RL AND RS LINES TO ASSOCIATED OUTDOOR UNIT ON LOWER ROOF. 6 SEAL PIPE AND DUCT PENETRATIONS WITH 3M FIREMASTER CP 25WB+ SEALANT (7) MOUNT AT 12'-0" AFF 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. **DB11002** GRAPHIC SCALE KEY PLAN 16 (4) (8) (12) 20 \odot 24 (A)ᡅ $\left[\circ \right]$ \bigcap CADD FILENAME C700-S-DB-M112X.dwg LINE, TRACK, STATION AND SYSTEMS SIZE SCALE D 1/8"=1'-0" DESIGN UNIT 023 MILPITAS STATION CONTRACT NO. REV. [°]C700 PLATFORM LEVEL PLAN Ö HVAC AREA CODE SHEET N PAGE NO SHEET 2 OF 6 DB M112X 0678

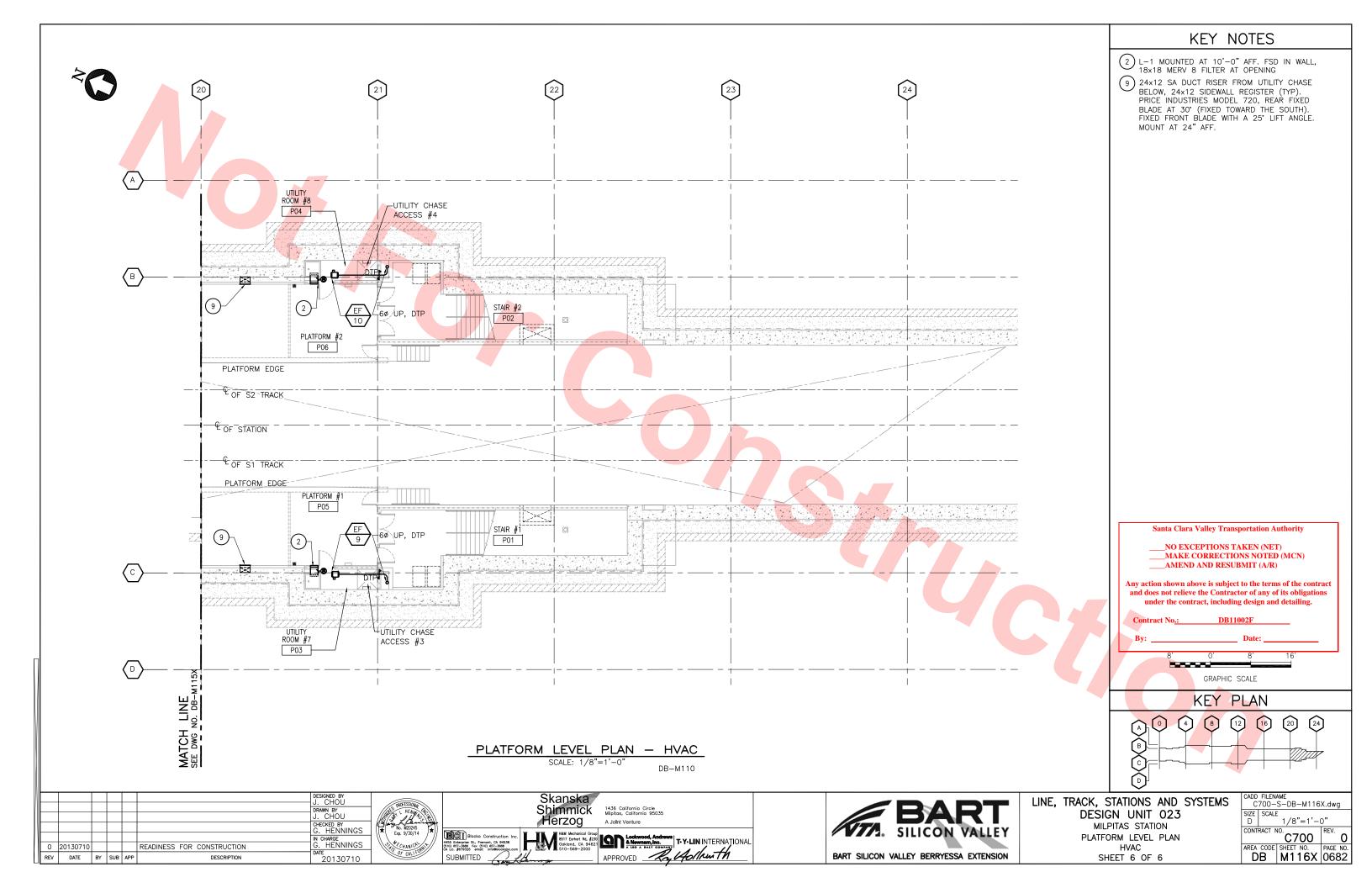


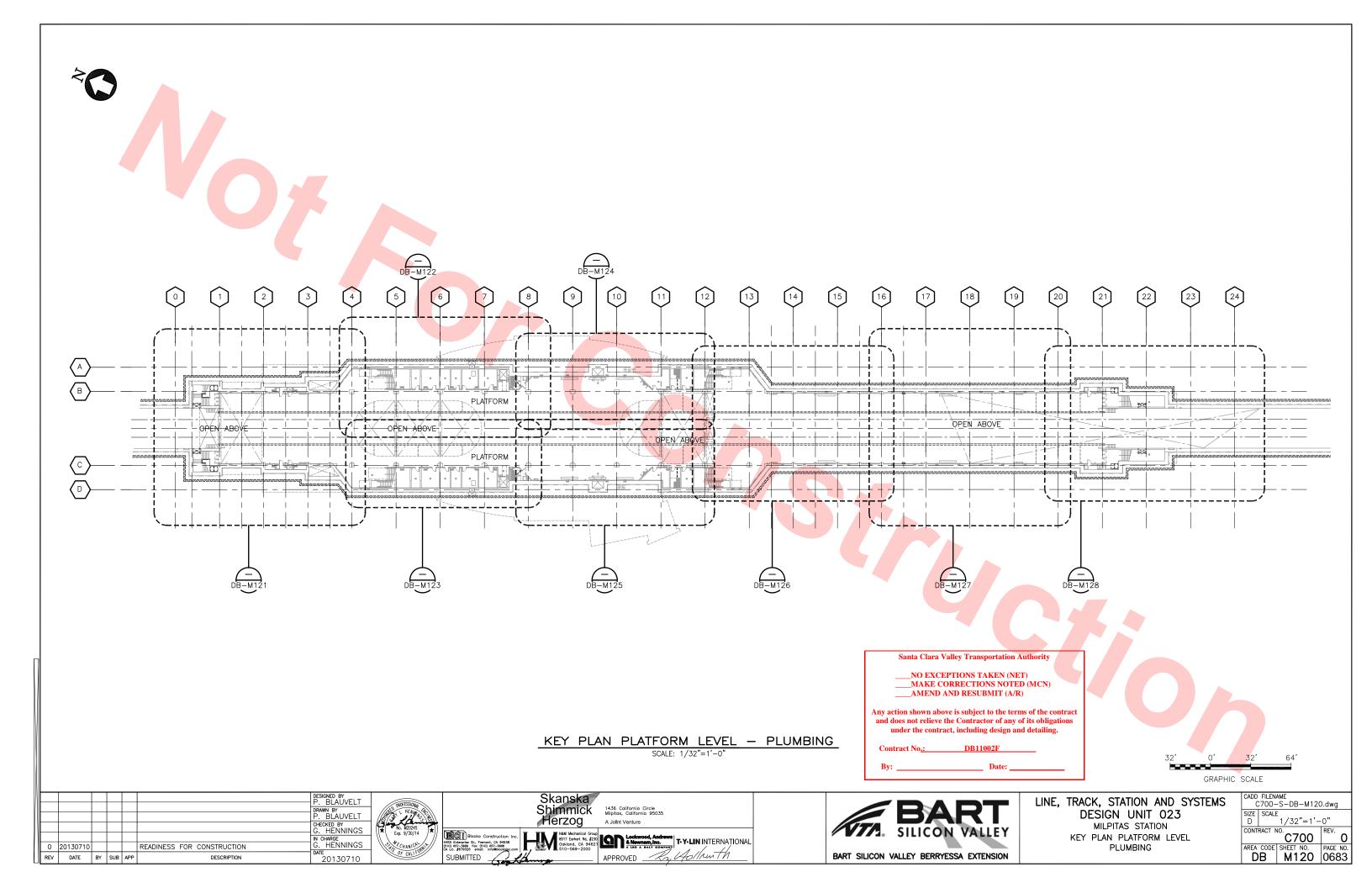
		KEY NOTES
		 2 L-1 MOUNTED AT 10'-0" AFF. FSD IN WALL, 18x18 MERV 8 FILTER AT OUTLET OPENING 3 L-2 MOUNTED AT 10'-0" AFF. FSD IN WALL 4 24x12 SA DUCT RISER FROM UTILITY CHASE BELOW, 24x12 SIDEWALL REGISTER (TYP). PRICE INDUSTRIES MODEL 720, REAR BLADES FIXED STRAIGHT. FIXED FRONT BLADES WITH A 25' LIFT ANGLE. MOUNT AT 24" AFF. 5 MOUNT AHU 7'-6" AFF. EXTEND RL AND RS LINES TO ASSOCIATED OUTDOOR UNIT ON LOWER ROOF. 6 SEAL PIPE AND DUCT PENETRATIONS WITH 3M FIREMASTER CP 25WB+ SEALANT 7 MOUNT AT 12'-0" AFF 8 L-1 MOUNTED AT 7'-6" AFF.
		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:
DWG NO. DB-M114X		GRAPHIC SCALE
<u>0</u> . BB		KEY PLAN
SEE DWG N		
,	DESIG MILF	STATION AND SYSTEMS CADD FILENAME C700-S-DB-M113X.dwg SN UNIT 023 SIZE PITAS STATION 1/8"=1'-0" DRM LEVEL PLAN CONTRACT NO. UNIT 020 Rev. O 0
	SH	HVAC AREA CODE SHEET NO. PAGE NO. DB M113X 0679

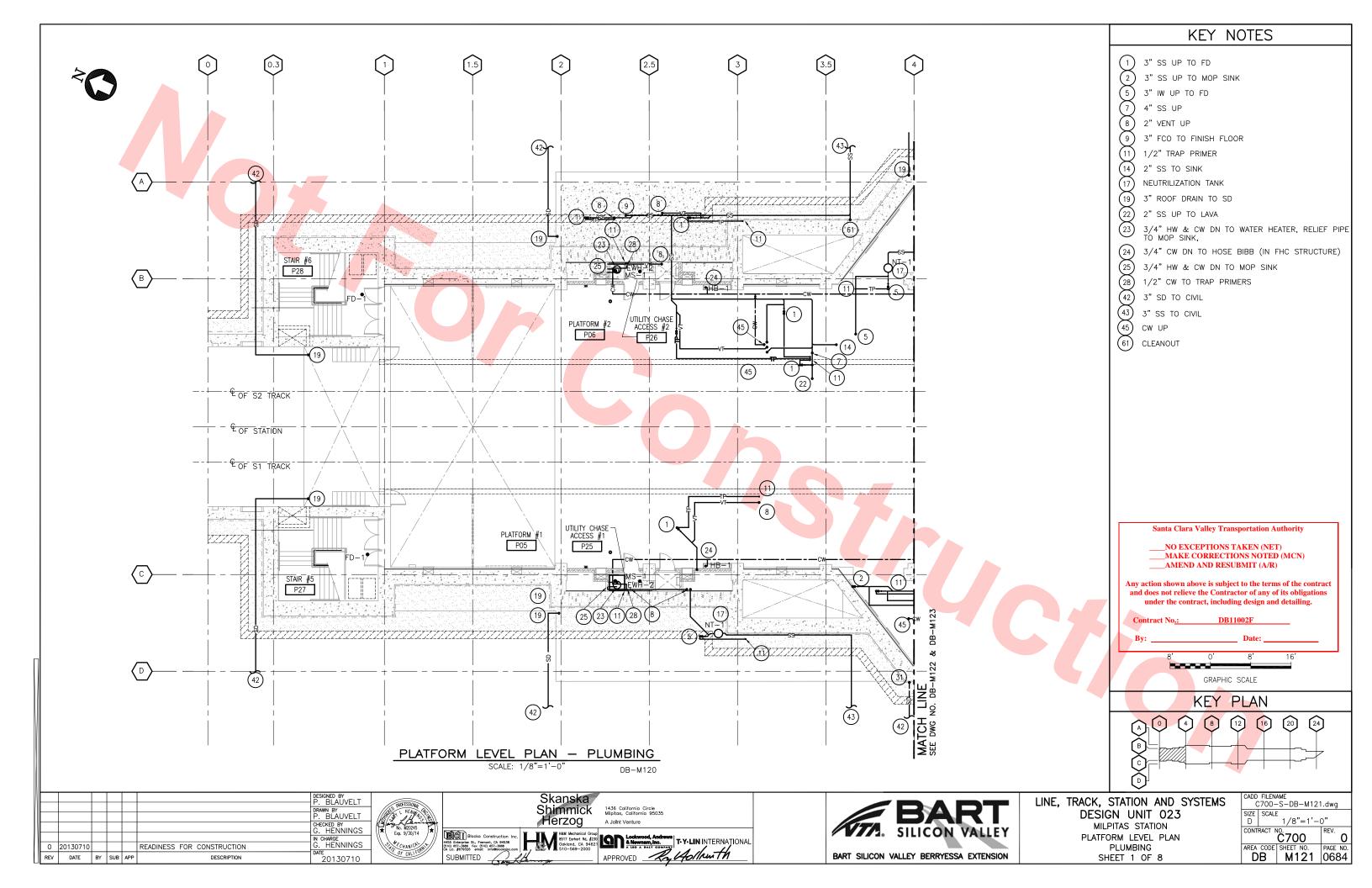


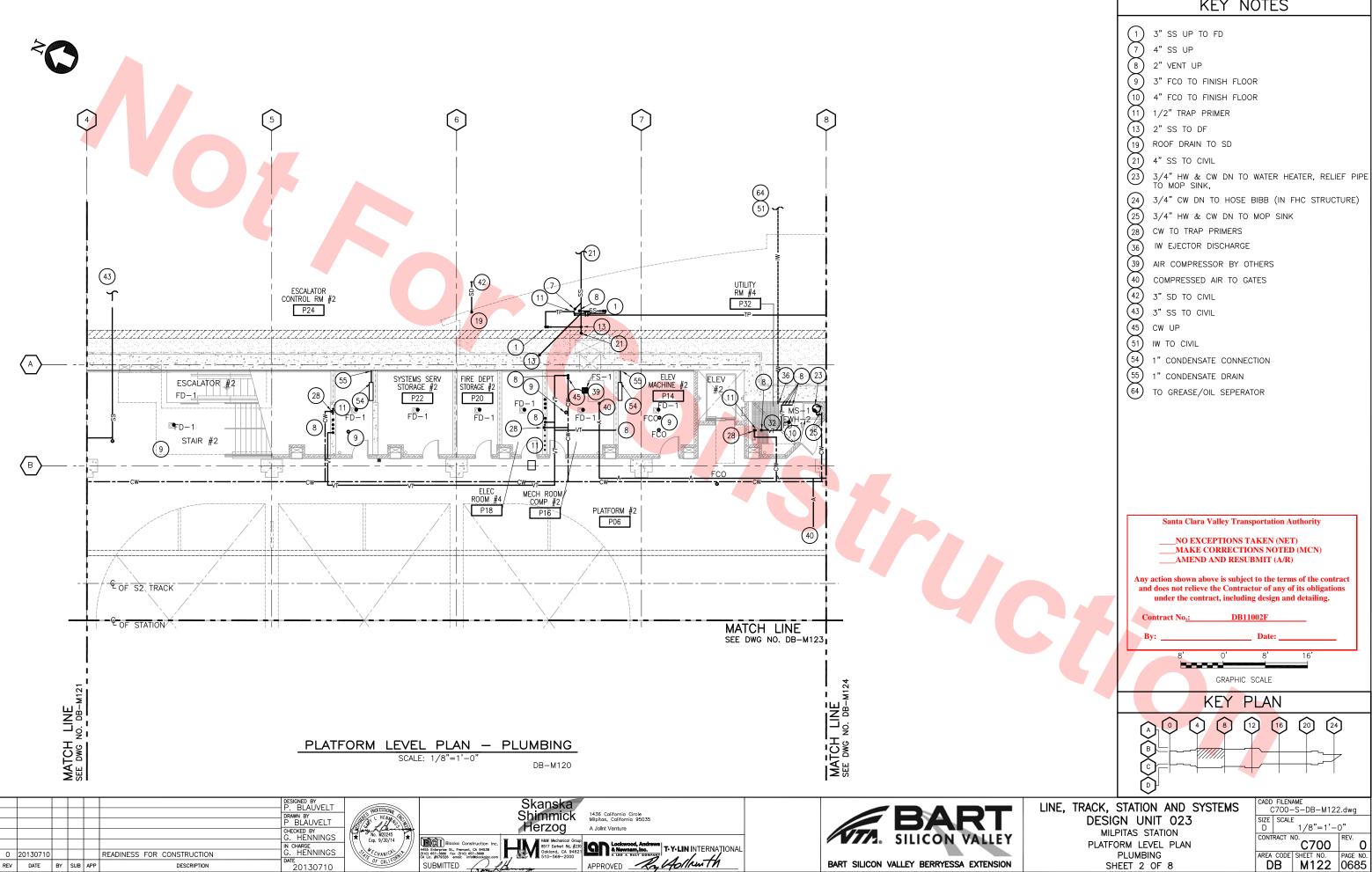
KEY NOTES 4 24×12 SA DUCT RISER FROM UTILITY CHASE BELOW, 24×12 SIDEWALL REGISTER (TYP). PRICE INDUSTRIES MODEL 720, REAR FIXED BLADE AT 30° (FIXED TOWARD THE SOUTH). FIXED FRONT BLADE WITH A 25" LIFT ANGLE. MOUNT AT 24" AFF. (9) 24x12 SA RISER FROM UTILITY CHASE BELOW, 24x12 SIDEWALL REGISTER (TYP). PRICE INDUSTRIES MODEL 720, REAR FIXED BLADE AT 30 (FIXED TOWARD THE SOUTH). FIXED FRONT BLADE WITH A 25" LIFT ANGLE. MOUNT AT 24" AFF. 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 DB11002 GRAPHIC SCALE KEY PLAN 12 16 (4) 8 20 \odot 24 \bigcirc ᡅ (\circ) \bigcap CADD FILENAME C700-S-DB-M114X.dwg LINE, TRACK, STATIONS AND SYSTEMS SIZE SCALE 1/8"=1'-0"DESIGN UNIT 023 MILPITAS STATION REV. 0 CONTRACT NO. C700 PLATFORM LEVEL PLAN AREA CODE SHEET NO. PAGE NO. DB M114X 0680 HVAC SHEET 4 OF 6

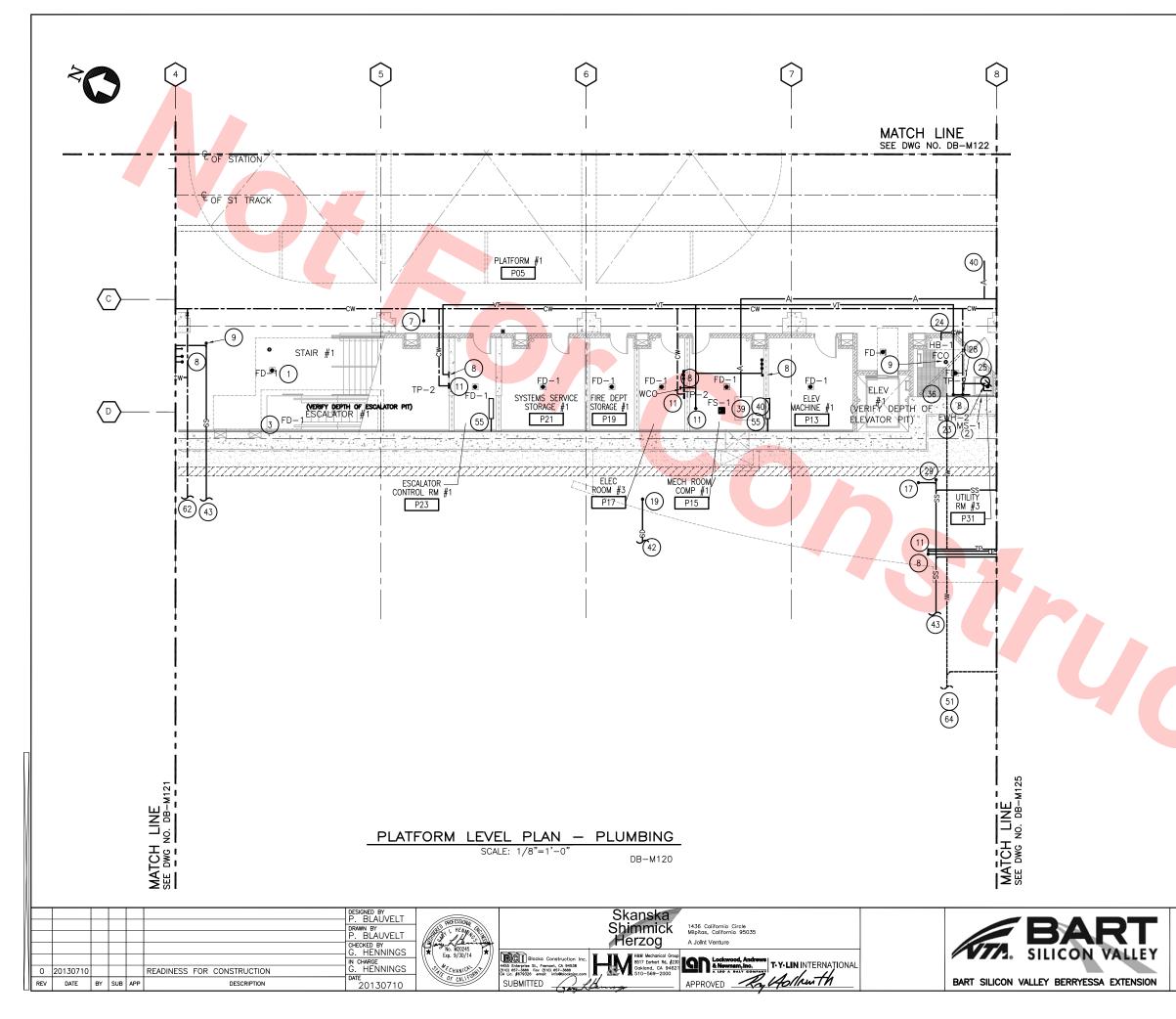


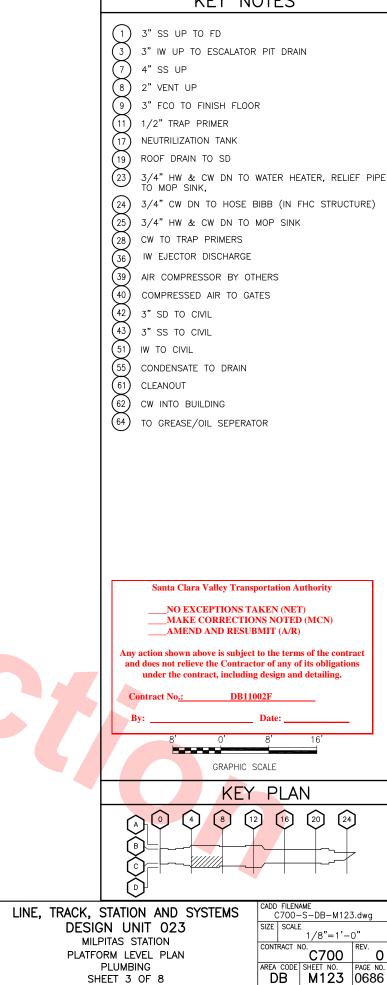


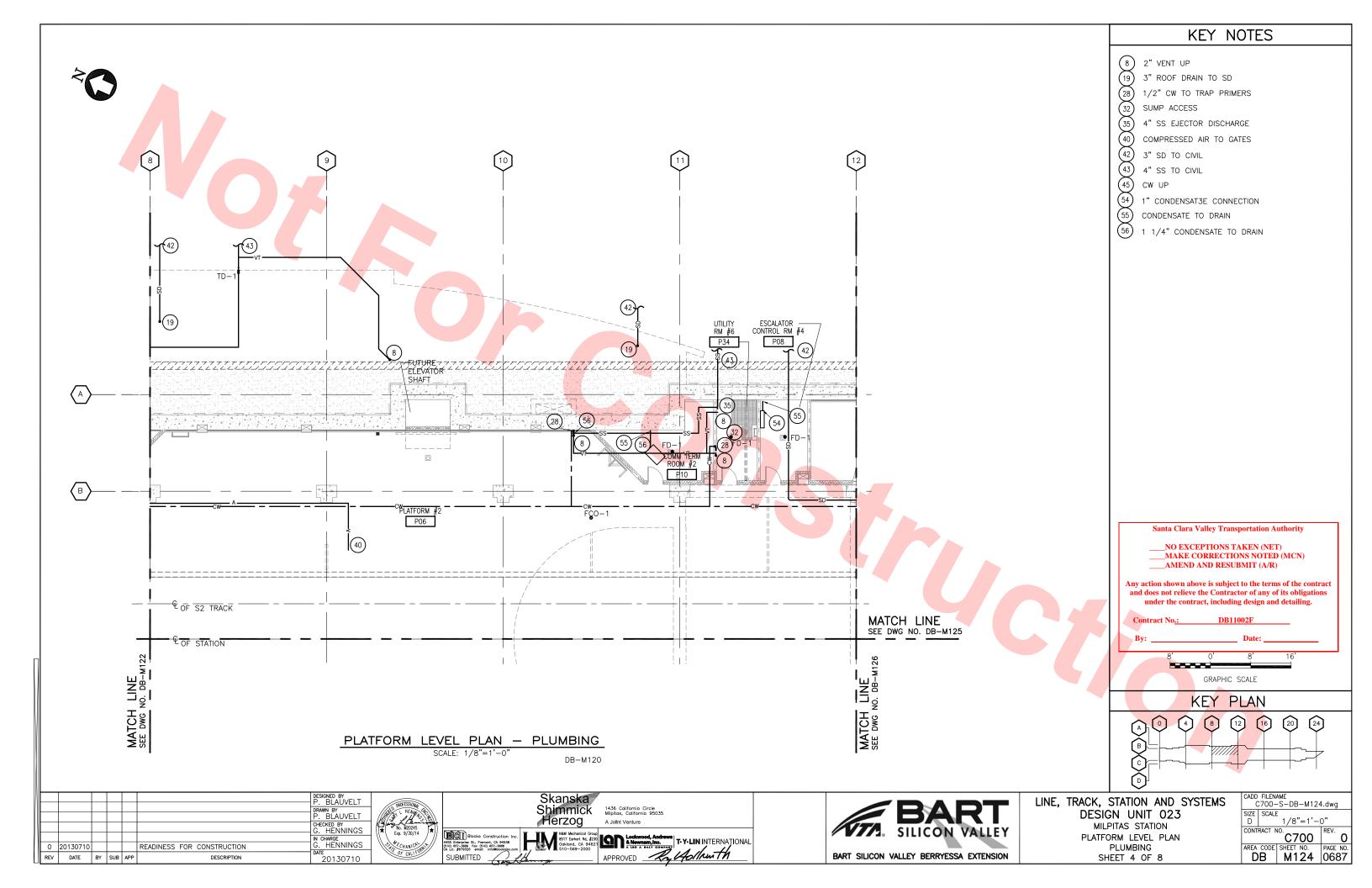


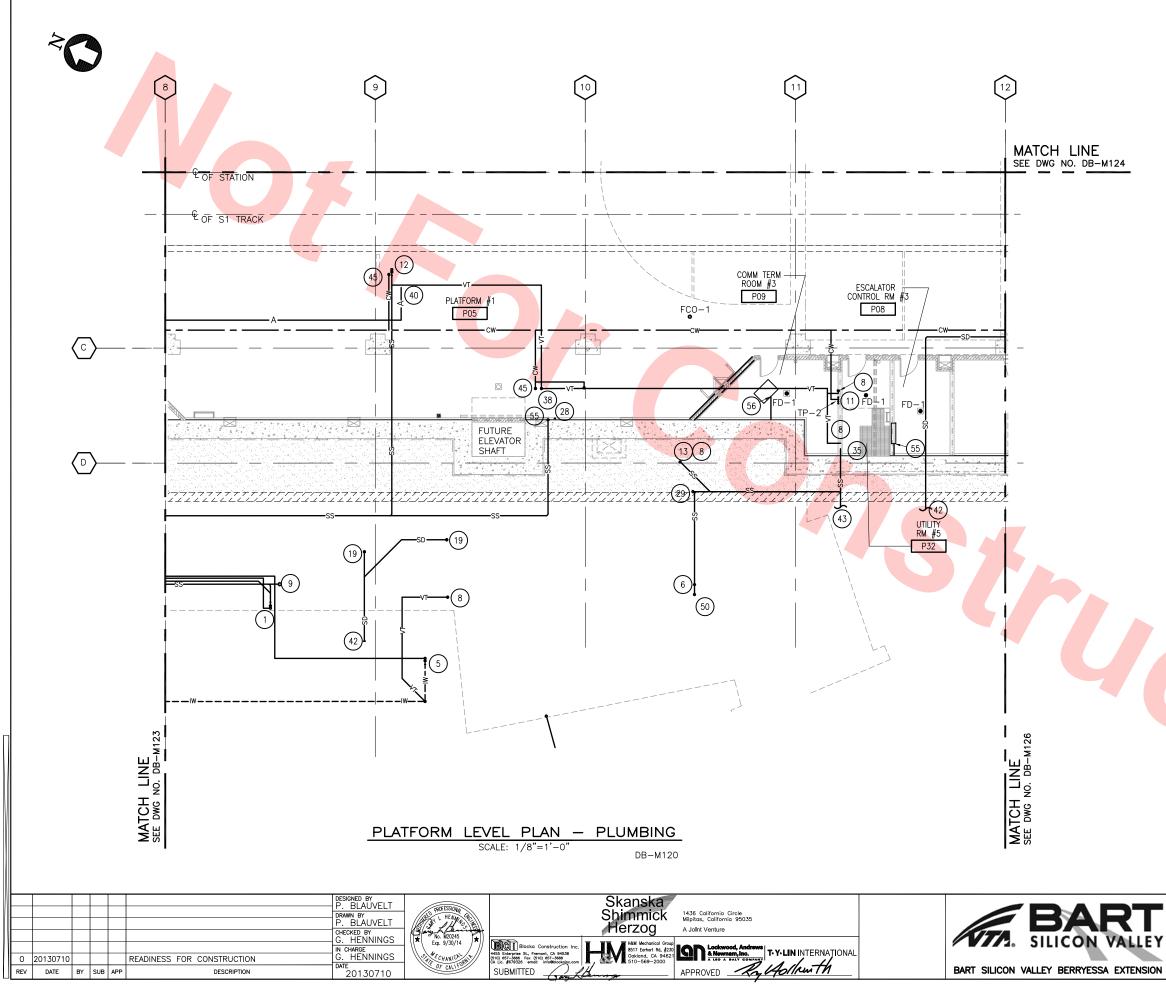


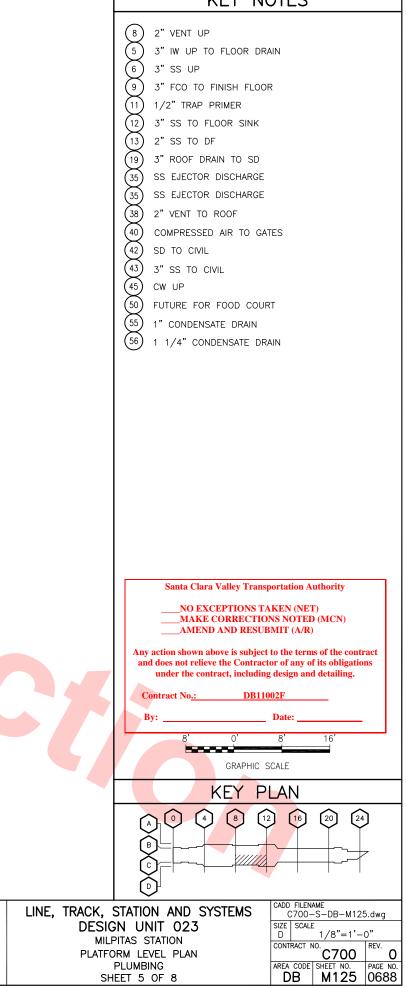


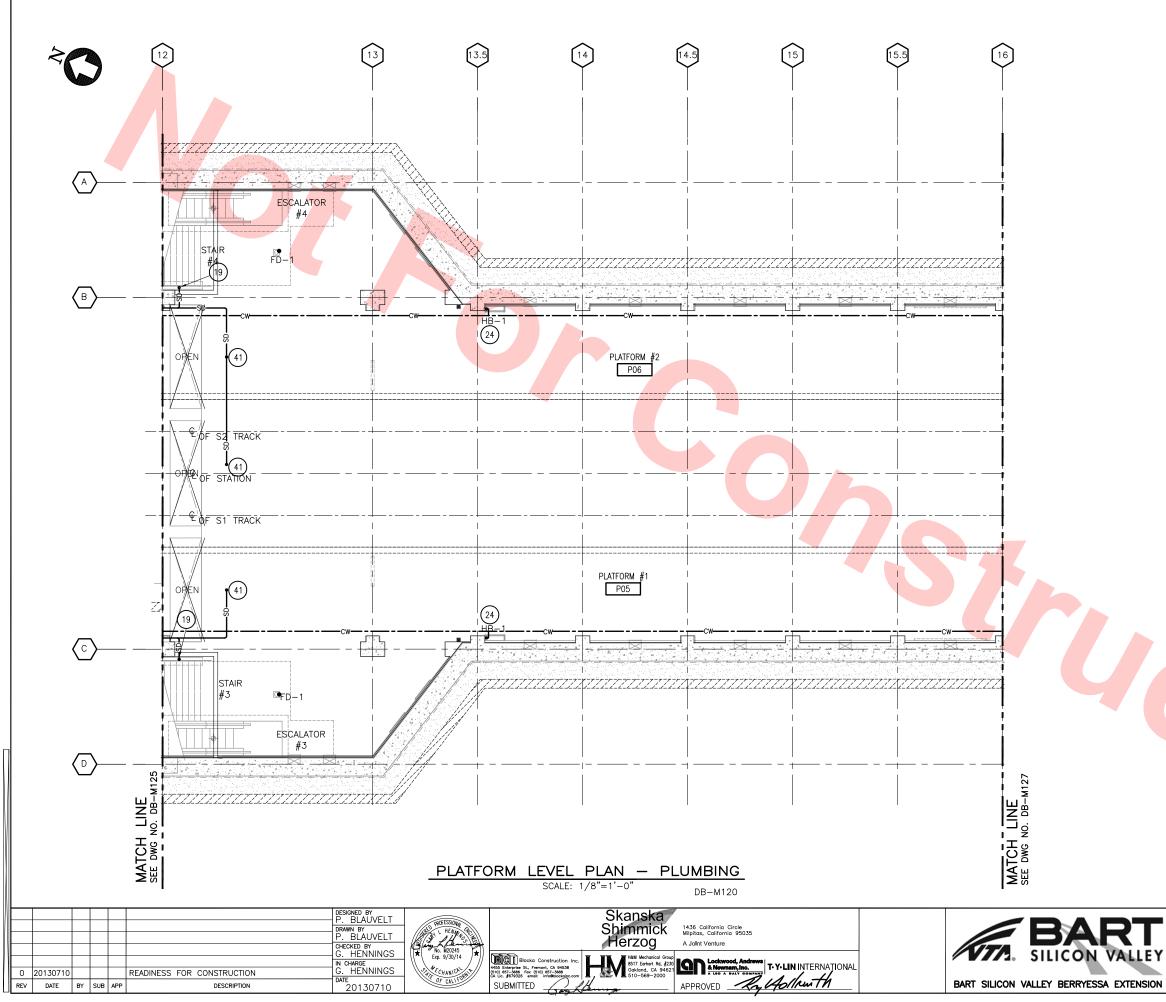








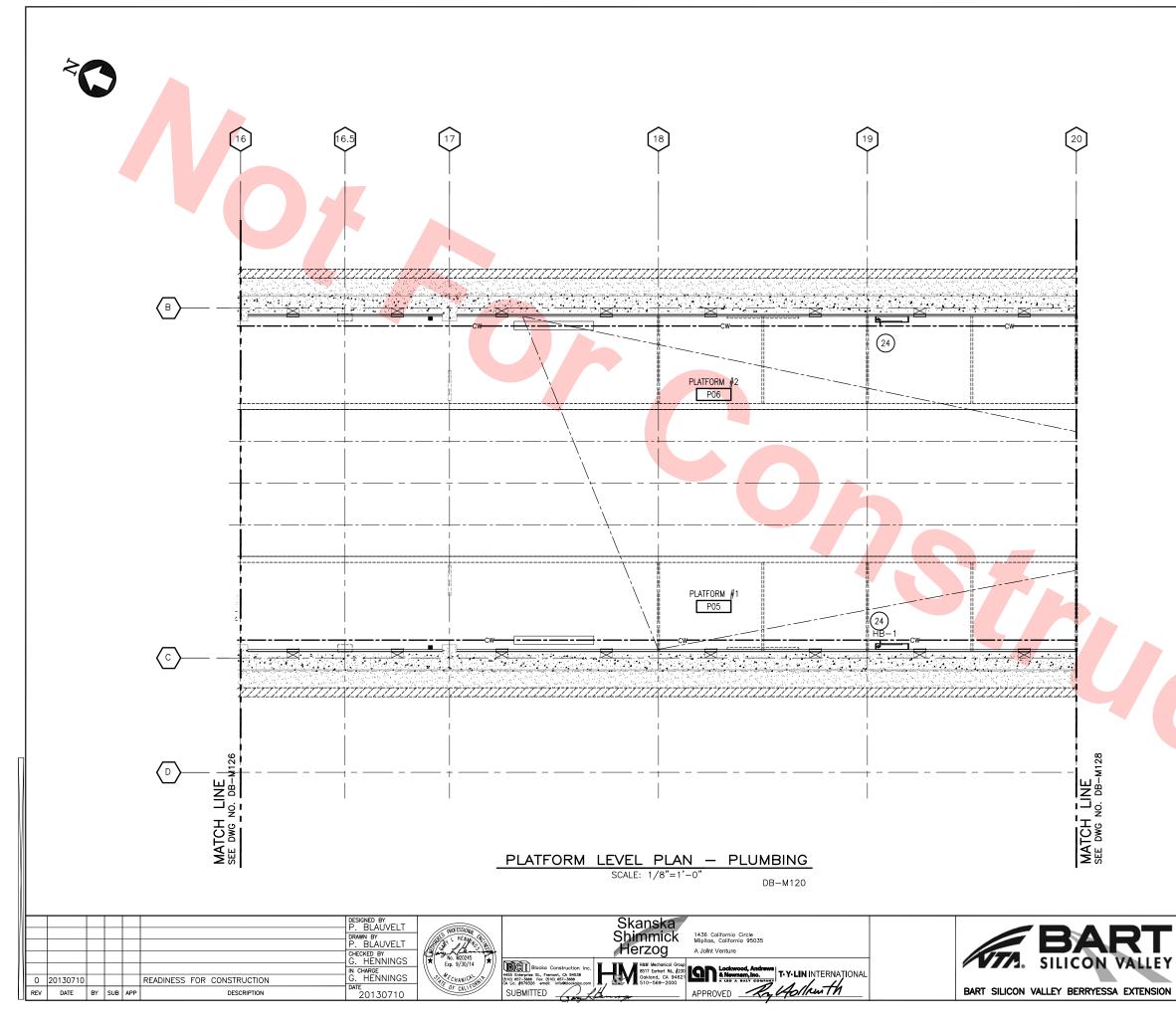


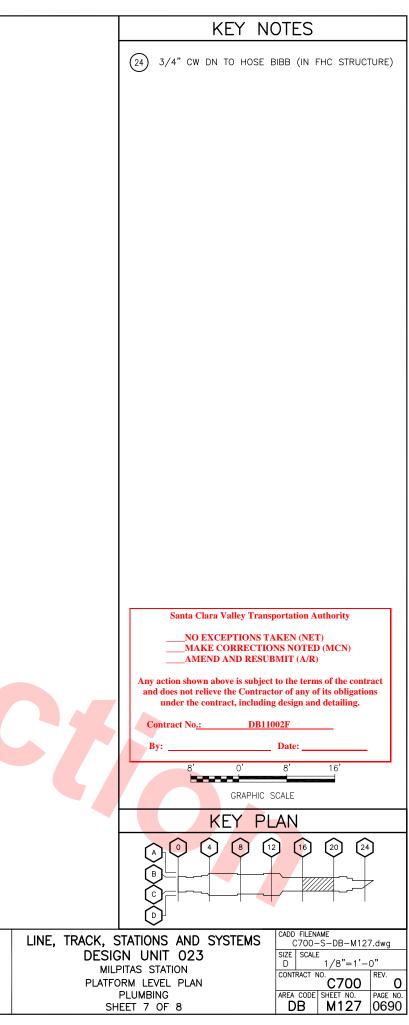


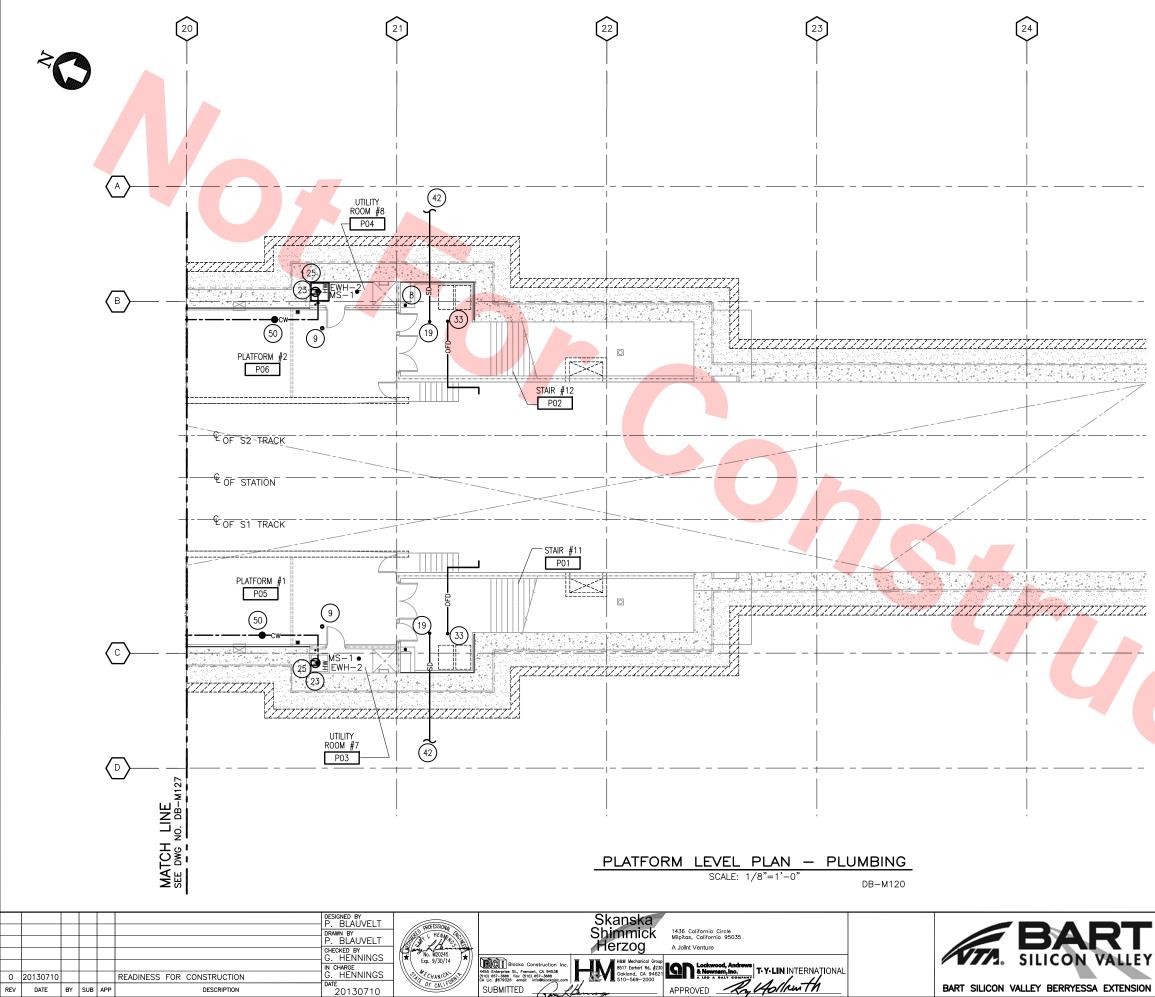
KEY NOTES (19) 3" ROOF DRAIN TO SD (24) 3/4" CW DN TO HOSE BIBB (IN FHC STRUCTURE) (41) 3" SD FOR PLANTER DRAINS Santa Clara Valley Transportation Authority
 ____NO EXCEPTIONS TAKEN (NET)

 ___MAKE CORRECTIONS NOTED (MCN)

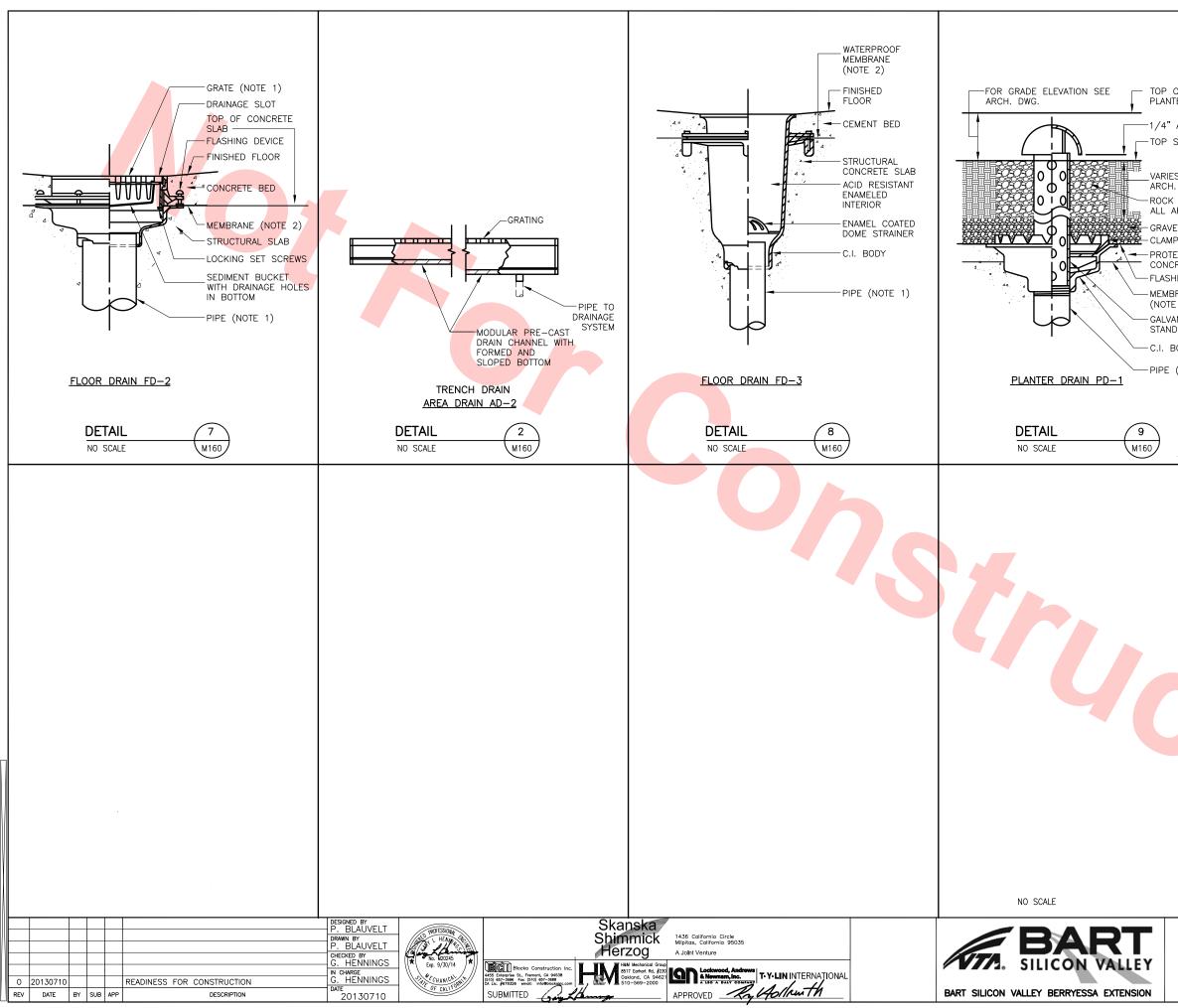
 ___AMEND AND RESUBMIT (A/R)
 Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing. Contract **DB11002** GRAPHIC SCALE KEY PLAN 4 8 12 (16) 20 24 ᡅ \bigcirc \bigcirc CADD FILENAME C700-S-DB-M126.dwg LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 SIZE SCALE D 1/8"=1'-0"MILPITAS STATION CONTRACT NO. C700 REV. 0 PLATFORM LEVEL PLAN PLUMBING SHEET 6 OF 8 AREA CODE SHEET NO. PAGE NO. DB M126 0689



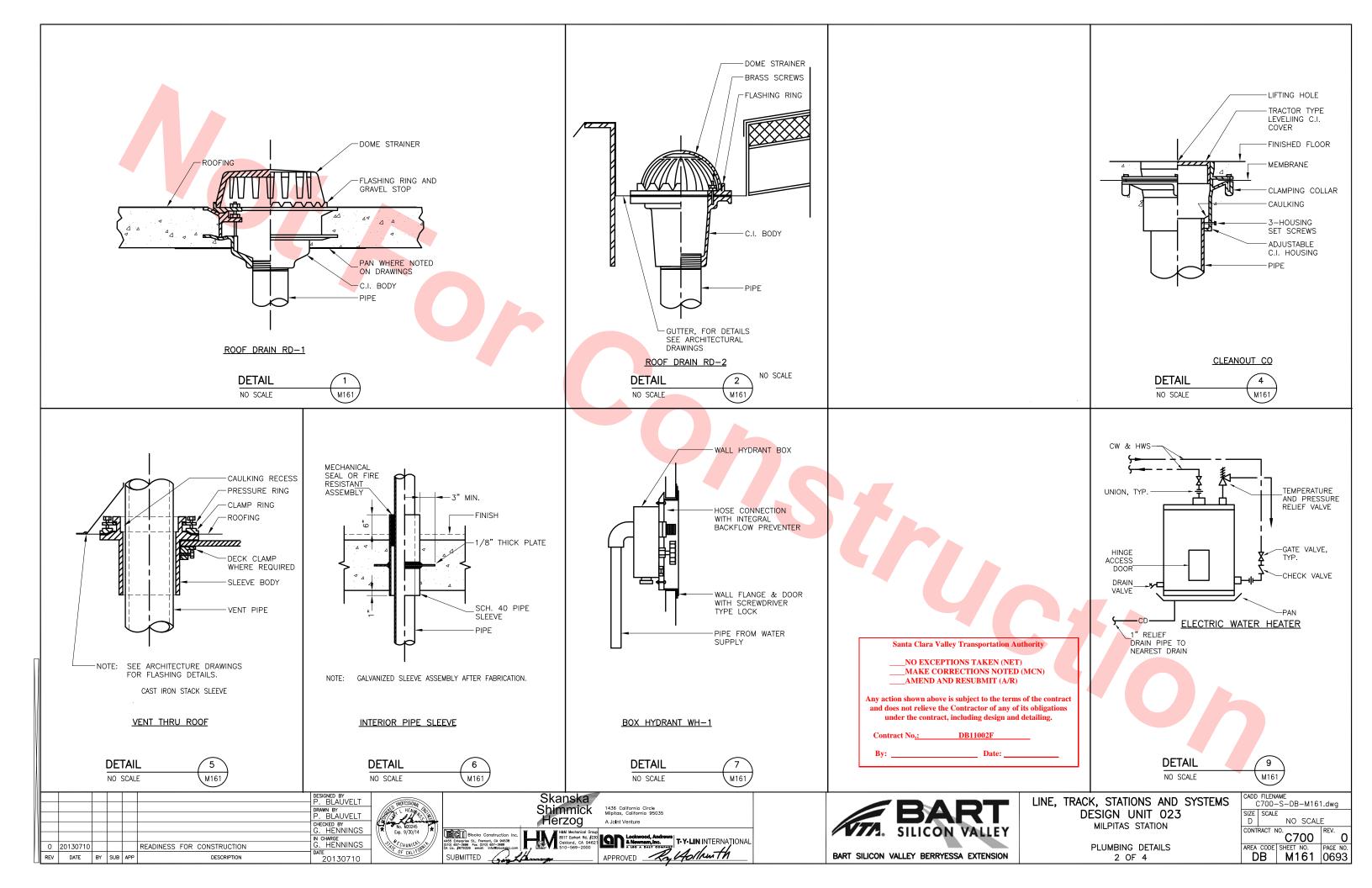


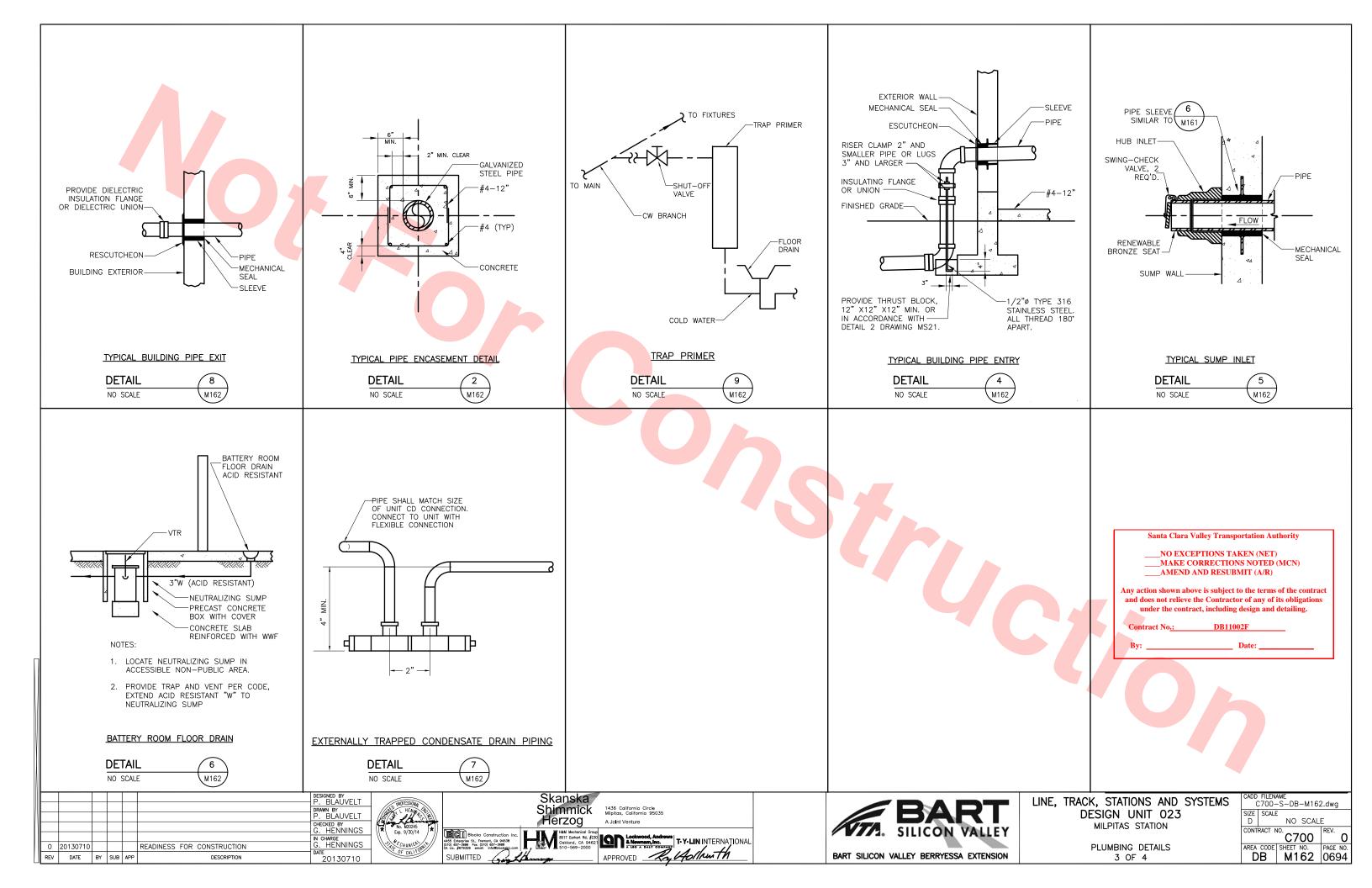


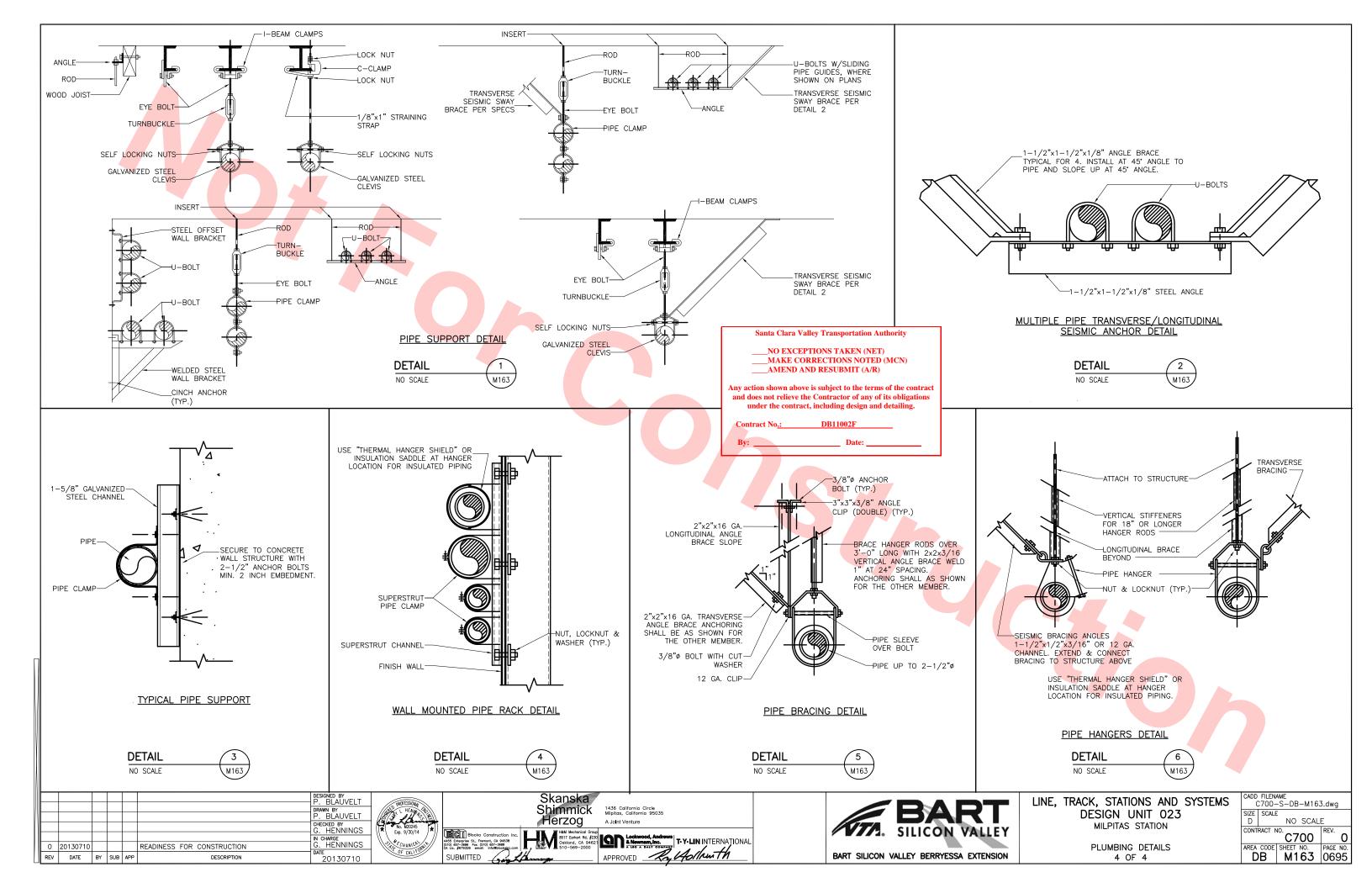
KEY NOTES (8) 2" VENT UP (9) 3" FCO TO FINISH FLOOR (19) ROOF DRAIN TO SD 23 3/4" HW & CW DN TO WATER HEATER, RELIEF PIPE TO MOP SINK, 10 MOP SINK,
3/4" HW & CW DN TO MOP SINK
33 OFD TO DAYLIGHT
50 WATER HAMMER Santa Clara Valley Transportation Authority _NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (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. **DB11002** GRAPHIC SCALE KEY PLAN 12 4 8 16 20 24 B [0] \bigcirc CADD FILENAME C700-S-DB-M128.dwg LINE, TRACK, STATIONS AND SYSTEMS SIZE SCALE D 1/8"=1'-0" DESIGN UNIT 023 MILPITAS STATION CONTRACT NO. C700 REV. 0 PLATFORM LEVEL PLAN PLUMBING AREA CODE SHEET NO. PAGE NO. DB M128 0691 SHEET 8 OF 8



PL4 1/4 TOF ARC ARC ARC ARC ARC ARC ARC ARC ARC ARC	ANTER WALL 4" AIR GAP SOIL RIES SEE CH. DWGS CK. FILTER BED AVEL AMPING DEVICE OTECTIVE NCRETE ASHING MBRANE DTE 2) VANIZED ANDPIPE BODY PE (NOTE 1)	1 12SQ. I	NGS. X 4 = AREA DRAIN INCHES GRATE FREE 4 INCH OUTLET NDARD FOR SLAB
)			
		 GRATE FREE AREA AND C BE AS SHOWN ON DRAWI EXAMPLE: AD-1 12 1 12SQ. I AREA BY SEE ARCHITECTURAL STAN 	NGS. X 4 = AREA DRAIN INCHES GRATE FREE 4 INCH OUTLET NDARD FOR SLAB MEMBRANES. FOR ROOF DRAINS
		NO EXCEPTIONS T MAKE CORRECTIO AMEND AND RESU Any action shown above is subjec and does not relieve the Contrac under the contract, includin Contract No.: DB11	AKEN (NET) DNS NOTED (MCN) IBMIT (A/R) et to the terms of the contract ctor of any of its obligations ng design and detailing.
		K, STATIONS AND SYSTEMS ESIGN UNIT 023 MILPITAS STATION	CADD FILENAME C700-S-DB-M020.dwg SIZE SCALE D NO SCALE CONTRACT NO REV.
r 1		PLUMBING DETAILS 1 OF 4	C700 0 AREA CODE SHEET NO. PAGE NO. DB M160 0692







			WAS	TE A	ND	WATER	CALCUL	ATIONS	3
FIXTURE	QUAN.		ASTE		WATER	DOMESTI	C WATER	PRESSU	RF
	QUAN.	F.U.EA.	TOTAL	F.U.EA.	TOTAL				
WATER CLOSET (F.V.)	3	5	15	5	15	 RESIDUAL P STATIC PRE 	RESSURE SSURE LOSS (2 F	ΓX.433)	
URINAL	2	4	8	4	8	3. LOSS THRU 4. LOSS THRU	BFP		
LAVATORY	3	1	3	1	3	5. PRESSURE	REQUIREMENT AT	LAST FIXTURE	
DRINKING FOUNTAIN	3	.05	1.5	0.5	1.5	PRESSURE .	AVAILABLE FOR D	ISTRIBUT I ON	
SINK	1	3	3	1.5	1.5	TOTAL DEVE	ELOPED LENGTH	DF PIPE	
MOP SINK	7	3	21	3	27	ALLOWABLE	FRICTION LOSS I		
FLOOR SINK	3	3	9	-	•		100FT.x(<u>29.11</u> MAX, FLOW		
FLOOR DRAIN	40	0	0	0	0	PIPE SIZE	(GPM) 12	F.U. (FT)	F.
HOSE BIBB	12	1+*	13.5	1+*	13.5	3/4"	3.5	3	
						1"	7	13	
				-		1 1/4"	12	21	
*2.5 for the first hose b	b and 1 F	.U. for eac		a	COLD	1 1/2"	25	42	
			WASTE		WATER	2"	60	175	
TOTAL F.U.			89	-	69.5	2 1/2"	110	431	
GPM			44.5	-	108	3"	150	638	
P <mark>IPE SIZE</mark>			4"	-	3"				

CA GREEN

KITCHEN FAUCETS METERING FAUCETS**** FLUSH VALVE WATER CLOSETS URINALS

KITCHEN FAUCETS METERING FAUCETS*** FLUSH VALVE WATER CLOSETS URINALS

1. RESIDUAL F	RESSURE			66 PSI							
2. STATIC PRESSURE LOSS (2 FT X .433)											
3. LOSS THRU METER PSI											
4. LOSS THRU BFP8 PSI											
5. PRESSURE REQUIREMENT AT LAST FIXTURE25_ PSI											
PRESSURE AVAILABLE FOR DISTRIBUTION 29.13 PSI											
TOTAL DEVELOPED LENGTH OF PIPE FT.											
ALLOWABLE	FRICTION LOSS	PER 100 FT. :									
100FT.×(<u>29/13</u> FT.)= <u>777</u> <u>3.75</u> PSI											
PIPE SIZE	MAX. FLOW (GPM)	F.U. (FT)	F.U. (FV)	LOSS/100'	VELOCITY FPS						
1/2*	12	1	-	3.0	1.5						
3/4"	3.5	3	-		2.5						
1"	7	13	-	1	3.0						
1 1/4"	12	21	-	7	4.0						
1 1/2"	25	42	8	1	4.5						
2"	60	175	76	1 '	6.0						
2 1/2"	110	431	295	2.5	6.5						
3" 150 638 559 2.5 8.0											

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ι	
	COLUN
	B - B.2
	B.8 - C
	COLUN
	A - D
	MAIN B
F	COLUN
	BIG (CI
	SMALL
	SMALL
L	
L	POC
	ANCILL
	<u>NOTE:</u> SEE PL

CA GREEN	CODE	J	WATER	(CONSE	EF	RVATIO	N	CALCS
BASEL	INE WAT	EF	R USE C	CAL	CULATI	ЛС	I TABLE		
FIXTURE TYPE	FLOW RATE (GPM)		DURATION		DAILY USES		OCCUPANTS		GALLONS PER DAY
KITCHEN	2.2	x	4 MIN.	x	1	x	12	=	105.6
AUCETS METERING	1.0	x	0.25 MIN.	x	3	x	5497	=	4122.75
FAUCETS*** FLUSH VALVE WATER CLOSETS	1.6	×	1 FLUSH	x	1 MALE 3 FEMALE	×	2748 2748	I.	4396.8 13190.4
JRINALS	1.0	x	1 FLUSH	x	2 MALE	x	2748	=	5496
			TOTAL DAILY	́ВА	SELINE WAT	TER	USE (BWU)	=	27311.15
			0 =21848.92 A					Ξ	
FIXTURE TYPE	FLOW RATE (GPM)		DURATION		DAILY USES		OCCUPANTS		GALLONS PER DAY
KITCHEN	1.5	x	4 MIN.	x	1	x	12	=	72
AUCETS	0.5	x	0.25 MIN.	x	3	x	5497	=	206.14
FAUCETS**** FLUSH VALVE WATER CLOSETS	1.28	×	1 FLUSH	x	1 MALE 3 FEMALE	x	2748 2748	=	3517.44 10552.32
JRINALS	0.125	x	1 FLUSH	x	2 MALE	x	2748	=	687
			PR	OPO	DSED WATER	າ ປະ	SE	=	15034.9
* BASED ON 6 MALE **ACTUAL WATER L ***BASELINE IS 0.25	JSE REDUCT	ΝС	= 44.9%						

	TAG									
	TP-1									
		6 PORT (PT-6)	ELECTRONIC PRIMING MANIFOLD 120 VOLT 3 WIRE CONNECTION.							
LOCATIONS	TP-2	PPP ELECTRONIC TRAP PRIMER 6 PORT (PT-8)	ELECTRONIC PRIMING MANIFOLD 120 VOLT 3 WIRE CONNECTION.							
	TP-3	PPP ELECTRONIC TRAP PRIMER 6 PORT (PT–10)	ELECTRONIC PRIMING MANIFOLD 120 VOLT 3 WIRE CONNECTION.							
	E									

				SERVICE			CTRICAL	DEMAN	NDS	RECOVERY	Ø TFMP	OUTLET TEMPER F	
ITEM	LOCATION	MANUFACTURER	MODEL NO.			VOLT	PHASE	KW	AMP	CAPACITY 80 DEG. (UON)			
<u>EWH-1</u>		BRADFORD WHITE	LD-10U3-1		10 GALLONS	277	1	2.0	-	10	60	120	
<u>EWH-2</u>	MULTIPLE LOCATIONS	BRADFORD WHITE	LD-15U3-1	DOMESTIC HOT WATER	15 GALLONS	277	1	3.0	-	15	60	120	
<u>EWH-3</u>		BRADFORD WHITE	LD-30U3-1		30 GALLONS	277	1	6.0	-	31	60	120	

ACTUAL WATER USE REDUCTION = 44.9% *BASELINE IS 0.25 GAL PER 0.25 MIN CYCLE. 0.25 GAL/CYCLE x CYCLE/0.25MIN = 1.0 GPM ****0.2 GAL/CYCLE REQUIRED. 0.5 GPM x 0.25 MIN = 0.13 GAL/CYCLE.		EWH-3
	1	

 Santa Clara Valley Transportation Authori 	Santa	Clara Valle	ev Transportation	Authority
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_NO EXCEPTIONS TAKEN (NET) ____MAKE CORRECTIONS NOTED (MCN) ____AMEND AND RESUBMIT (A/R)

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DB11002F Contract No .:

By Date:

				PUMP S	SCHEDL	JLE					
EQUIPMENT I.D.	MANUFACTURER MODEL	LOCATION	SERVICE	TYPE	DESIGN FLOW RATE	TOTAL DYNAMIC HEAD	DISCHARGE SIZE		MOTOR RATING	v./ph./hz.	REMARKS
	MODEL				GPM	FEET	IN	IN	HP		
SE-1		RM P-11 UTILITY ROOM 3	SANITARY SEWER								PROVIDE ELBOW FITTING, 316 STAINLESS STEEL LIFTING CABLE, CONTROL PANEL INCLUDING SOLID STATE MOTOR
	HYDROMATIC	RM P-12 UTILITY ROOM 4	EJECTOR	ALTERNATOR,	ATOR,						STARTER, OVERLOAD DISCONNECT, GUIDE RAILS AND SUPPORTS, FOR ADDITIONAL REQUIREMENTS SEE SUMP
	S3HVX	RM P-32 UTILITY ROOM 5	INDUSTRIAL WASTE IMPELLER	50 30	30	3	3 10.375	.375 3	3 200/3/60	PUMP SPECIFICATION 22 14 29.COORDINATE WITH ELECTRICAL FOR CONTROLS, INSTALL PER	
IWE-1		RM P-31 UTILITY ROOM 6	EJECTOR	SEWERAGE PUMP							MANUFACTURER'S RECOMMENDATION.



DESCRIPTION	SQ. FT.	GPM	DIFFERENCE	SIZE
INS 21-23				
110 21 23	551	34		3"
	551	34		3"
INS 1 - 6				
	8026	139		5"
ODY OF ROOF				
S 5-12	46,423	1384		12"
ENTER)	3019	78		4"
(A)	738	34		3"
(B)	738	34		3"
	3906	144		4"
ARY BUILDING	3866	144		4"

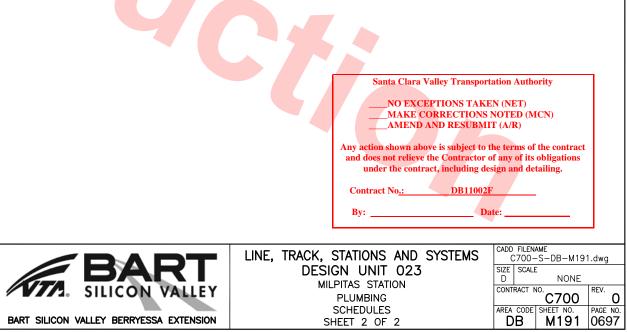
	LINE, TRACK, STATIONS AND SYSTEMS		FILEN 700-	ame -S-DB-M19	1.dwg
,	DESIGN UNIT 023 MILPITAS STATION	D	SCALE	NONE	REV.
	PLUMBING SCHEDULES SHEET 1 OF 2		CODE B	C700 SHEET NO. M190	PAGE NO. 0696

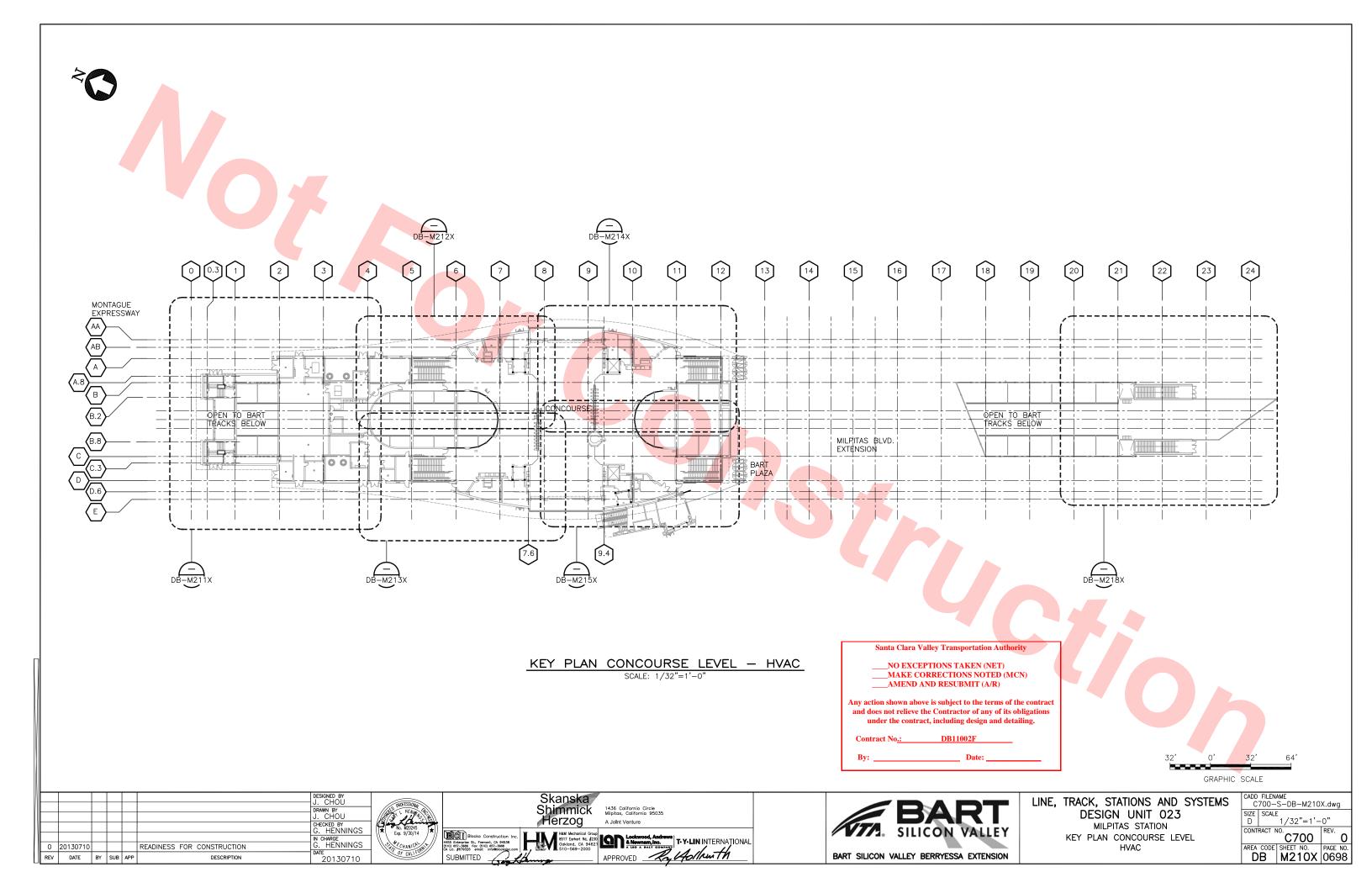
		ROUC	H IN CON	NECTION		
TAG	FIXTURE	w	v	CW	нพ	REMARKS
EEWS-1	EMERGENCY SHOWER & EYE WASH	2"	2"	1-1/4"	_	HAWS 8320 CRP COMBINATION SHOWER AND EYE/FACE WAS COMBINATION EYE/FACE WASH CORROSION RESISTANT PAINT
NT-1	NEUTRALIZATION TANK	3"	2"	_	_	ZURN MODEL Z9A-NT-30, 30 GALLONS CAPICITY, 150# OF MARBLE 1" TO 3" CHIPS
EEW-1	EYEWASH SYSTEM JANITORS SINKS	5	-	1/2"	_	SPEAKMAN SEF-9000 TO BE INSTALLED WITH THE MOPSINK FAUCET SPEAKMAN SC-5811
HB-1	HOSE BIBB	-	-	3/4"	-	WOODFORD MODEL 24 ANTI-SIPHON PROTECTED
HB-2	WALL HYDRANT		-	3/4"	-	WOODFORD MODEL 224 ANTI-SIPHON PROTECTED WITH MODULAR BOX
WHA-1	WATER HAMMER ARRESTOR	_	_	3/4"-1"		ZURN Z1700 SHOKTROL WATER HAMMER ARRESTOR (SEE CHART FOR SIZE) PROCEEDED WITH BALL VALVE
TP-1	TRAP PRIMER			1/2"		PPP PR-500, 1/2" WATER CONNECTION. (PROVIDE DISTRIBUTION UNITS DU-4 OR DU-U AS PER NO. OF FLOO DRAIN SERVED, MAXIMUM 4 FLOOR DRAINS PER TRAP PRIME

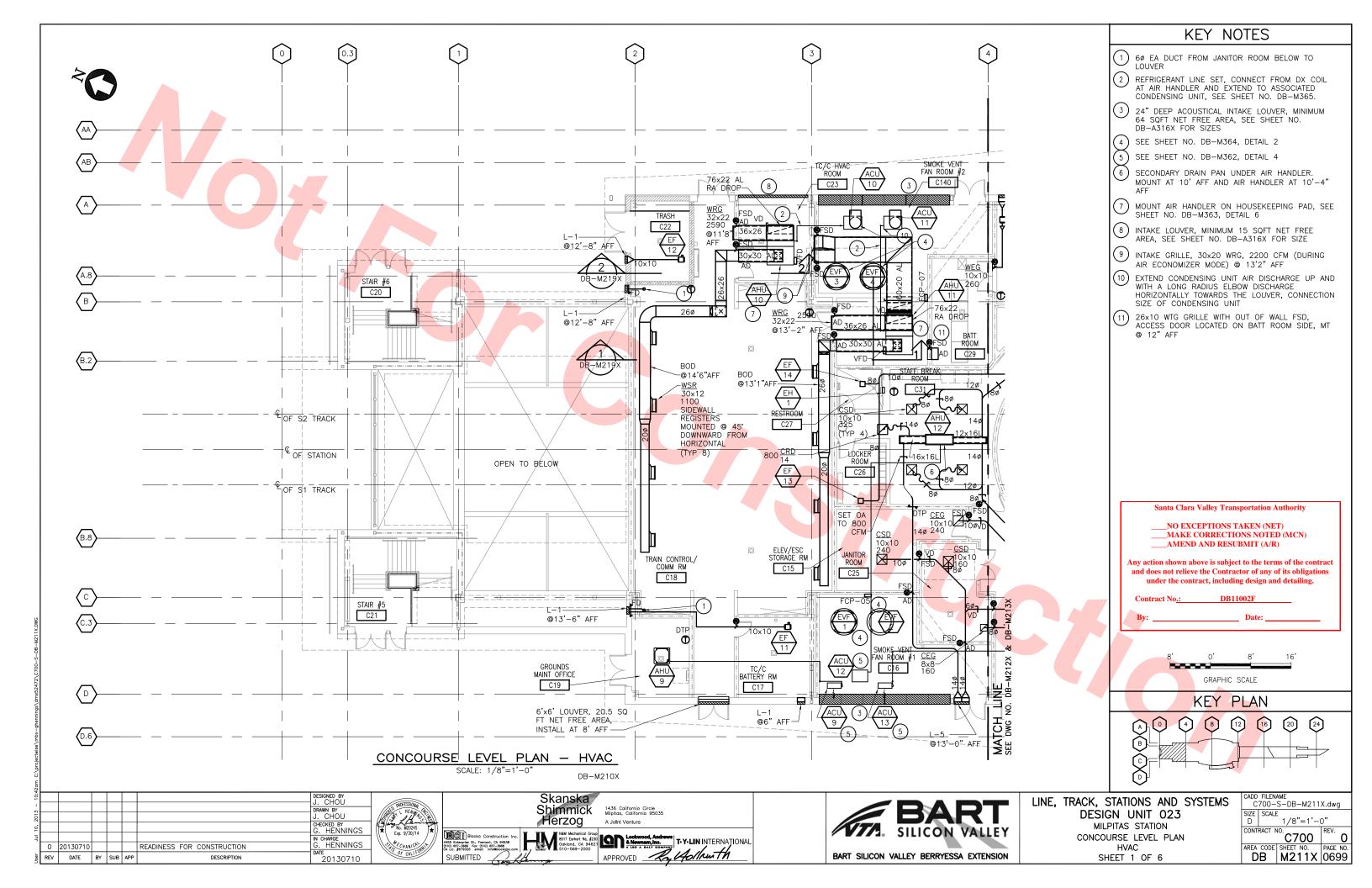
	ADDITIONAL MISCELLANEOUS PLUMBING EQUIPMENT SCHEDULE						
	ADDITIONAL		JUS FLOMBING EQUIFMENT SCHEDULE				
TAG	DESCRIPTION	WASTE	REMARKS				
FD-1	FLOOR DRAIN	3"	ZURN MODEL ZN415-Y-5B OR EQUAL				
FD-2	FLOOR DRAIN F/ BATTERY ROOMS	3"	ZURN MODEL ZS415-AR-5B-Y COATED WITH SS TOP AND SEDIMENT BUCKET OR EQUAL				
RD-1	ROOF DRAIN	3"	ZURN MODEL Z163 OR EQUAL				
OFD-1	OVERFLOW DRAIN	3"	ZURN MODEL Z163 OR EQUAL				
PD-1	PLANTER DRAIN	3"	ZURN MODEL Z348 OR EQUAL				
TD-1	TRENCH DRAIN	3"-4"	ZURN MODEL Z886 6" WIDE OR EQUAL				
FS-1	FLOOR SINK	3"	ZURN MODEL Z1926 -31-33 OR EQUAL				
FCO-1	FLOOR CLEAN OUT	3"-4"	ZURN MODEL Z1454 OR EQUAL				
FS-1	WALL CLEAN OUT	3"-4"	ZURN MODEL Z1446 OR EQUAL				
OFD-1	DOWN SPOUT NOZZLE	3"-4"	ZURN MODEL Z199 OR EQUAL				

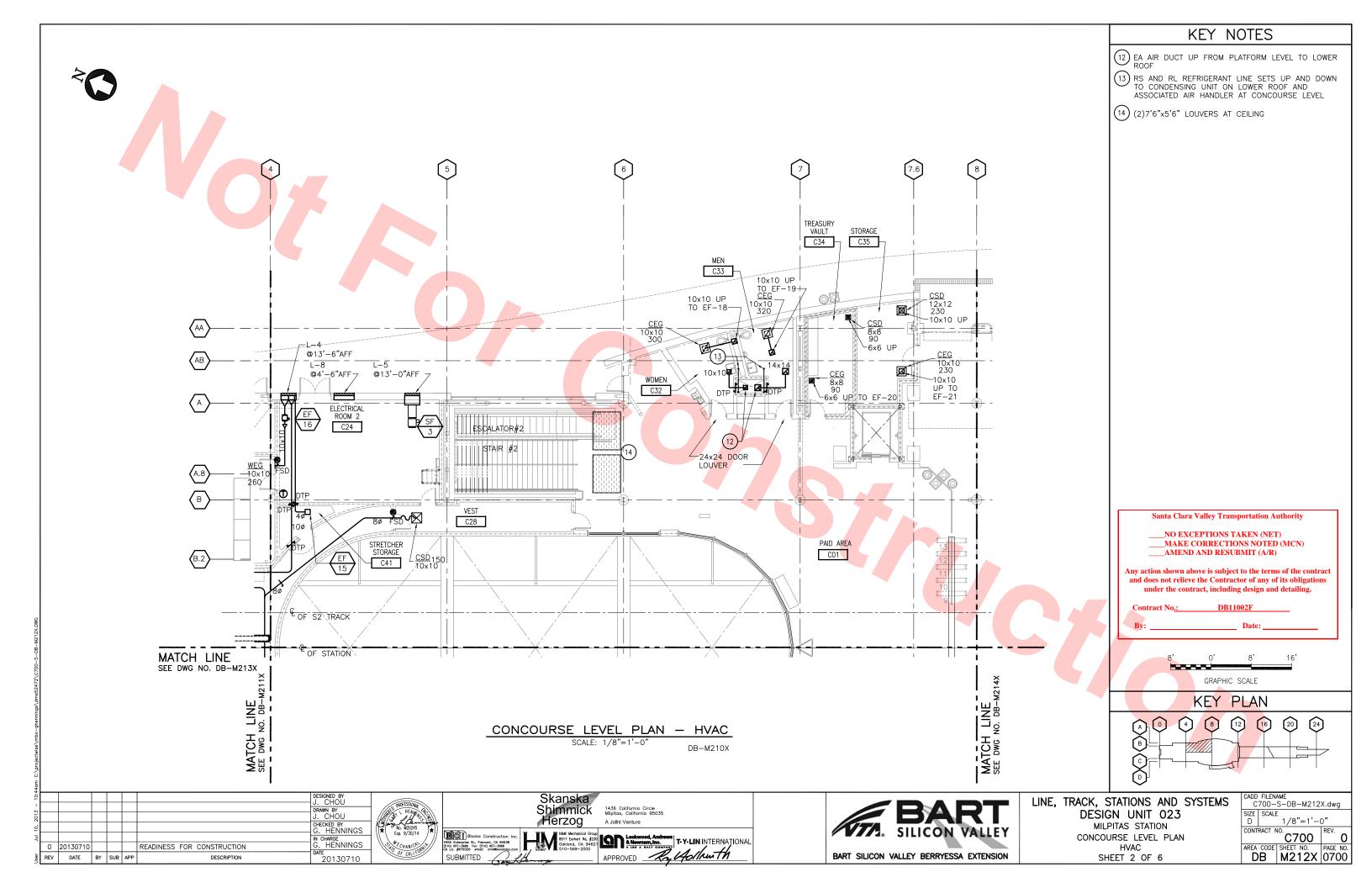
			ROUGH IN CONNECTION			
TAG	FIXTURE	w	v	CW	нพ	REMARKS
WC-1	WATER CLOSET F/ HANDICAPPED	4"	2"	1"	_	WALL-MOUNTED WHITE VITREOUS CHINA SIPHON JET BOWL, WITH FLUSHOMETER TOILET SYSTEM AMERICAN STANDARD AFWALL FLOWISE 1.28 GAL, WITH EVERCLEAN AND SELECTRONIC FLUSH VALVE (120V POWER), CARRIER BY ZURN OR EQUAL
WC-2	WATER CLOSET	4"	2	1"	_	WALL-MOUNTED WHITE VITREOUS CHINA SIPHON JET BOWL, WITH FLUSHOMETER TOILET SYSTEM AMERICAN STANDARD AFWALL FLOWISE 1.28 GAL, WITH EVERCLEAN AND SELECTRONIC FLUSH VALVE (120V POWER), CARRIER BY ZURN OR EQUAL, 120V POWER
UR-1	URINAL HANDICAPPED	2"	1-1/2"	3/4"	_	WASHBROOK FLOWISE 0.125 GPF ULTRA HIGH EFFICENCY URINAL SYSTEM, SELECTRONIC FLUSH VALVE (120V POWER), CARRIER BY ZURN OR EQUAL
UR-2	URINAL	2"	1-1/2"	3/4"	_	WASHBROOK FLOWISE 0.125 GPF ULTRA HIGH EFFICENCY URINAL SYSTEM, SELECTRONIC FLUSH VALVE (120V POWER), CARRIER BY ZURN OR EQUAL
L-1	LAVATORY FOR HANDICAPPED	2"	1-1/2"	1/2"	1/2"	WHITE VITREOUS CHINA AMERICAN STANDARD MURRO UNIVERSAL DESIGN 0955.001EC, SELECTRONIC PROXIMITY METERING FAUCET 6056.104 (120V POWER), WITH MIXING VALVE 605XTMV. CARRIER BY ZURN OR EQUAL
L-1	LAVATORY	2"	1-1/2"	1/2"	1/2"	WHITE VITREOUS CHINA AMERICAN STANDARD MURRO UNIVERSAL DESIGN 0955.001EC, SELECTRONIC PROXIMITY METERING FAUCET 6056.104 (120V POWER), WITH MIXING VALVE 605XTMV. CARRIER BY ZURN OR EQUAL
S-1	KITCHEN SINK	2"	1-1/2"	1/2"	1/2"	SINGLE BOWL SINK, COUNTER-MOUNTED KITCHEN SINK WITH 8" CENTERS. KITCHEN FAUCET .35 GPM WITH 8" CENTERS.
DF-1	DRINKING FOUNTAIN	2"	1-1/4"	1/2"	_	WALL-MOUNTED, DUAL DRINKING FOUNTAINS. STAINLESS STEEL AND VANDAL-RESISTANT. THE LOWER FOUNTAIN PROVIDES EASY ACCESS FOR DRINKING WITH AMPLE KNEE CLEARANCE FOR WHEELCHAIR
MS-1	MOP SINK	3"	2"	1/2"	1/2"	JUST 25" X 23" STAINLESS STEEL FLOOR MOP SINK C-2523 SERVICE SINK FITTINGS, SPEAKMAN SC-5811 (SEE EEW SYSTEM JANITORS SINKS)
SH-1	HANDICAPPED SHOWER	3"	2"	1/2"	1/2"	AQUATIC 1603BFSB, 60" X 34" COMPLETE WITH MIXING VALVE, GRAB BARS, AND FOLD DOWN SEAT, ONE PIECE

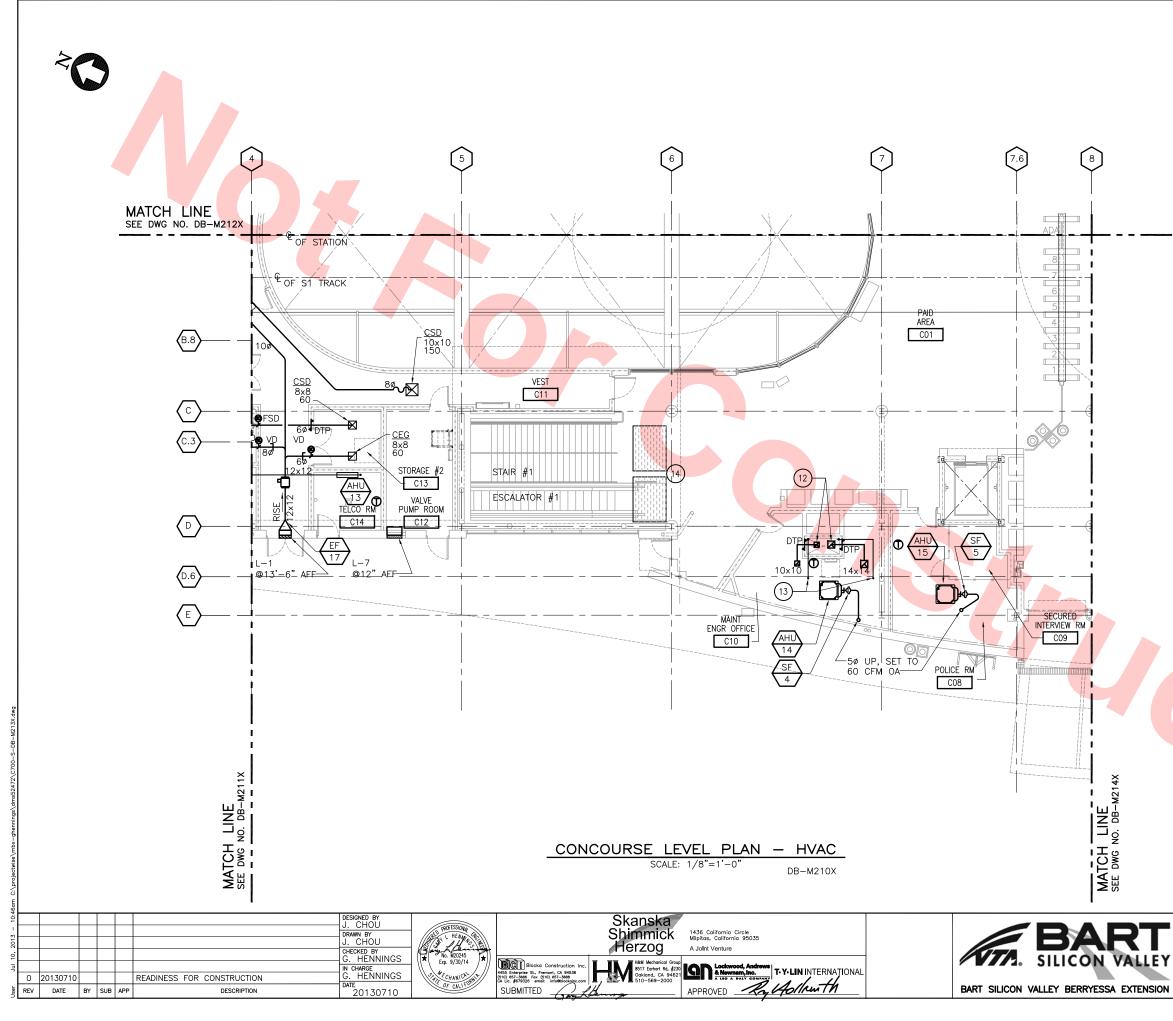




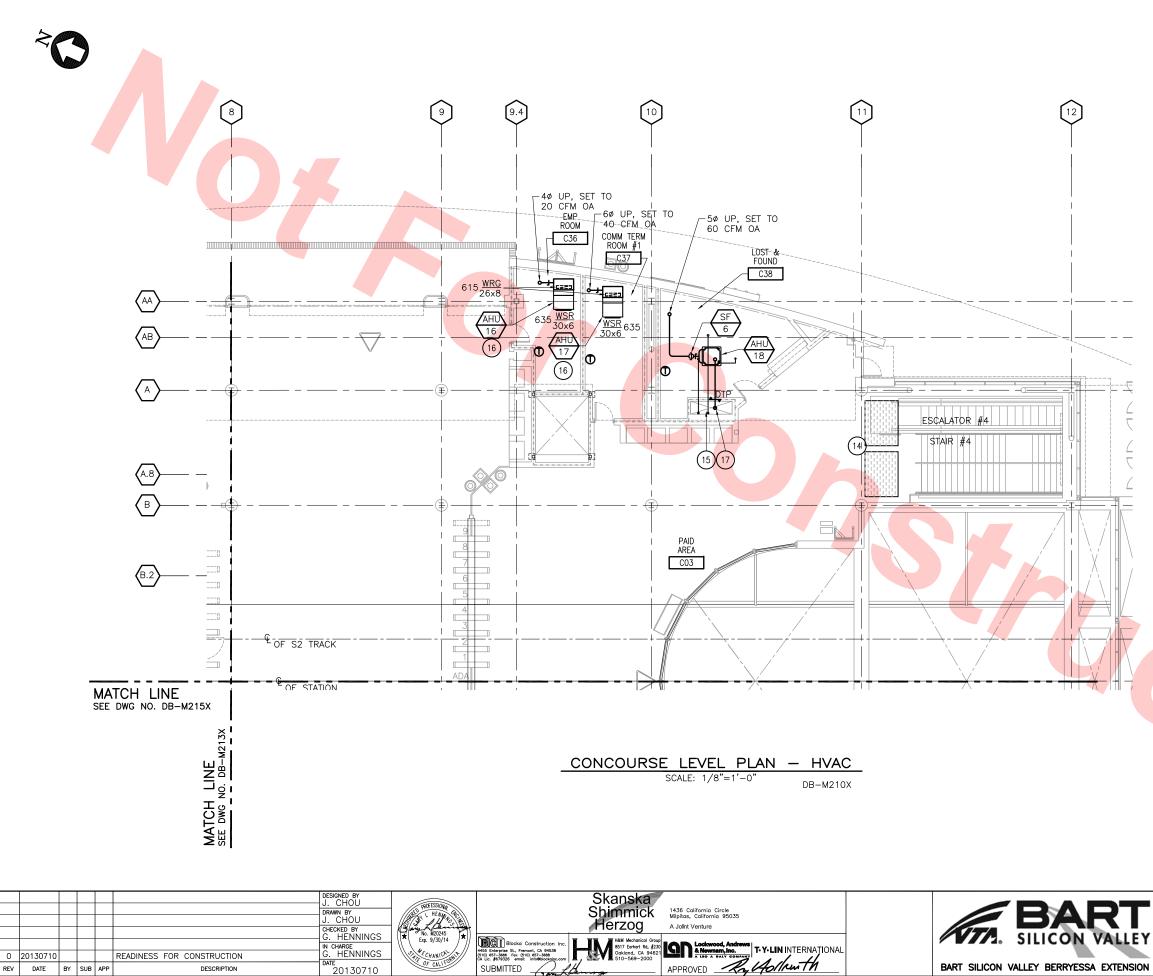




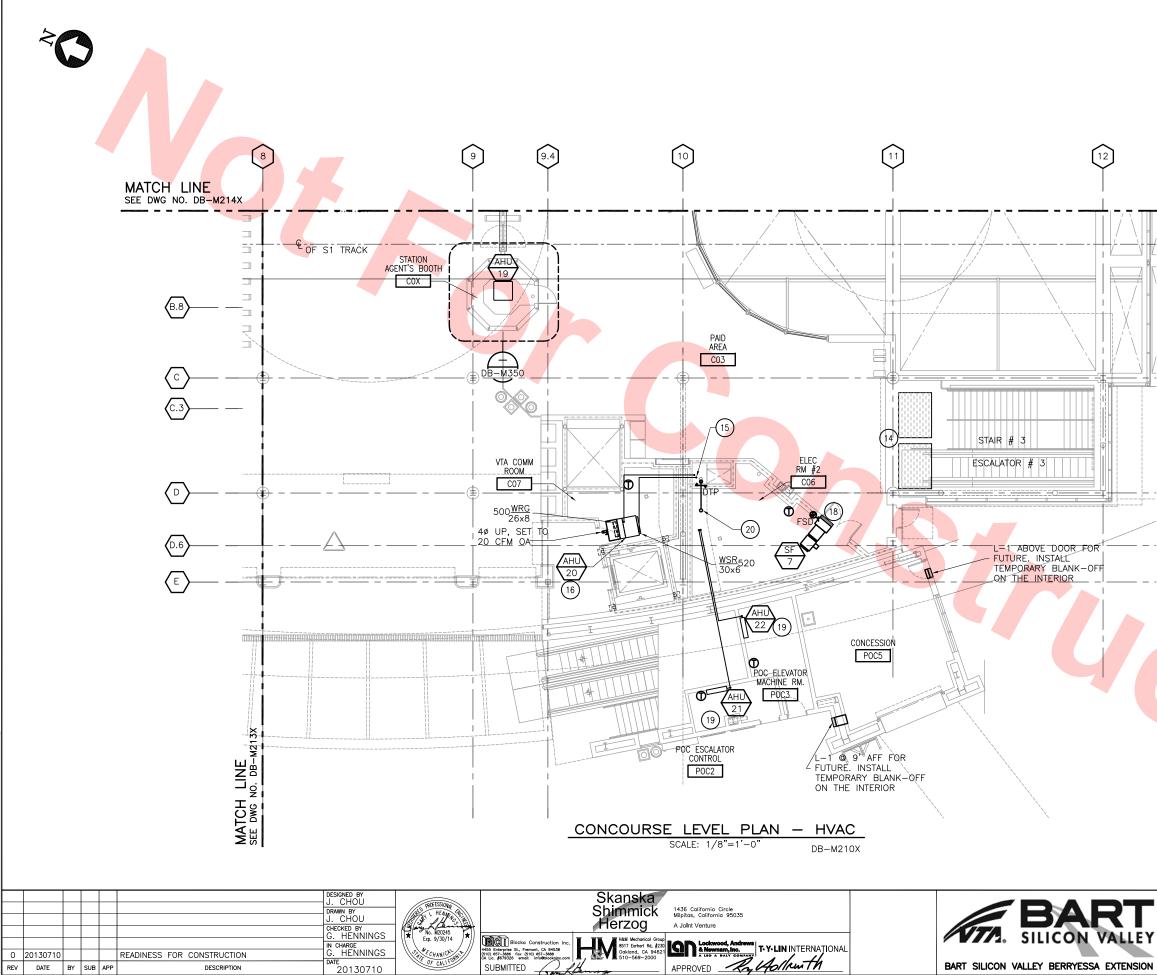




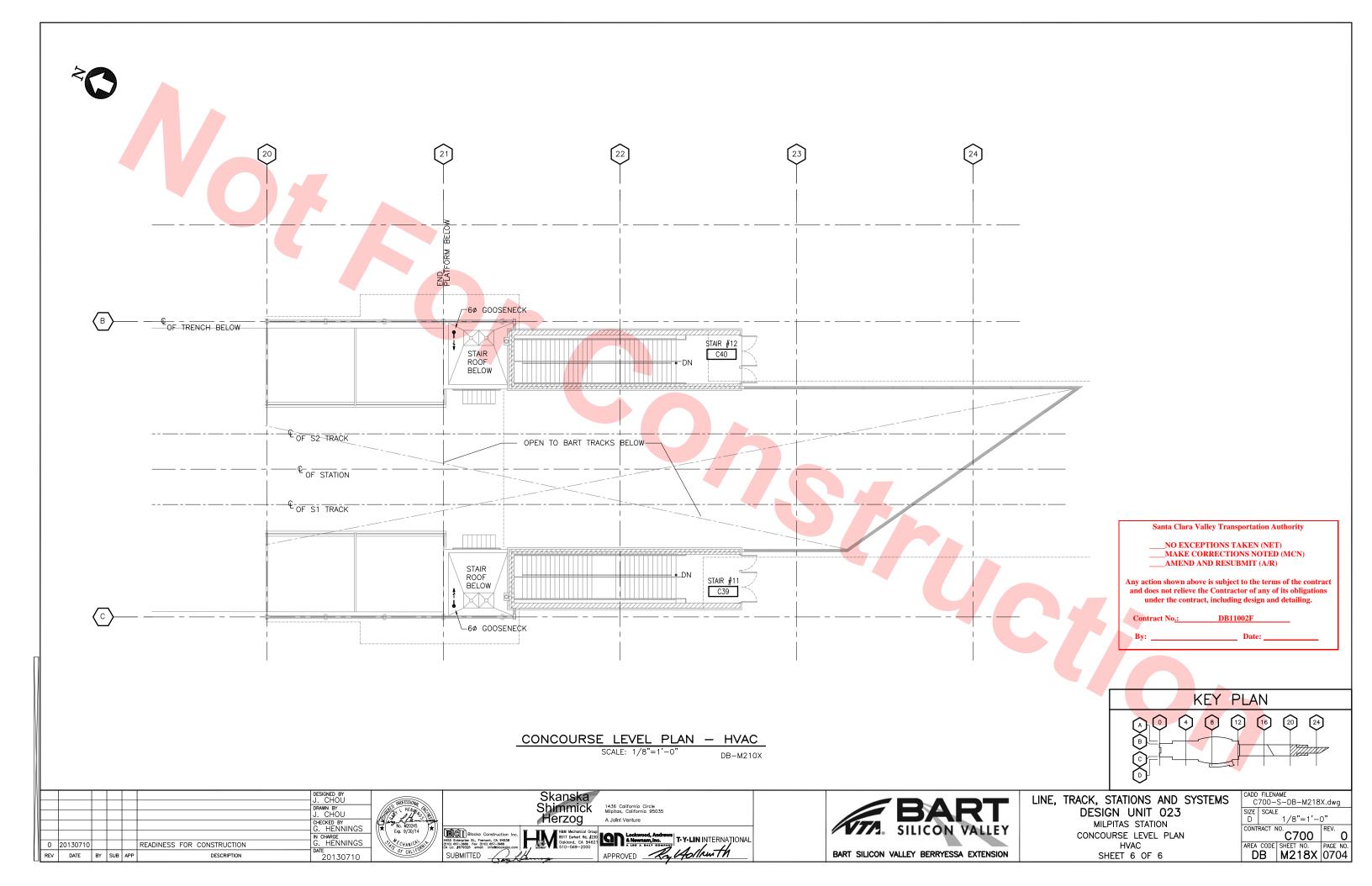
KEY NOTES $\fbox{12}$ EA AIR DUCT UP FROM PLATFORM LEVEL TO LOWER ROOF 13 RS AND RL REFRIGERANT LINE SETS UP AND DOWN TO CONDENSING UNIT ON LOWER ROOF AND ASSOCIATED AIR HANDLER AT CONCOURSE LEVEL (14) (2)7'6"x5'6" LOUVERS AT CEILING Santa Clara Valley Transportation Authority _NO EXCEPTIONS TAKEN (NET) 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** Contract N GRAPHIC SCALE KEY PLAN 16 (4) (8) (12) 20 24 $\left(\circ \right)$ Ò \bigcirc õ CADD FILENAME C700-S-DB-M213X.dwg LINE, TRACK, STATIONS AND SYSTEMS SIZE SCALE D 1/8"=1'-0" DESIGN UNIT MILPITAS STATION CONTRACT NO. C700 REV. CONCOURSE LEVEL PLAN AREA CODE SHEET NO. PAGE NO. DB M213X 0701 HVAC SHEET 3 OF 6

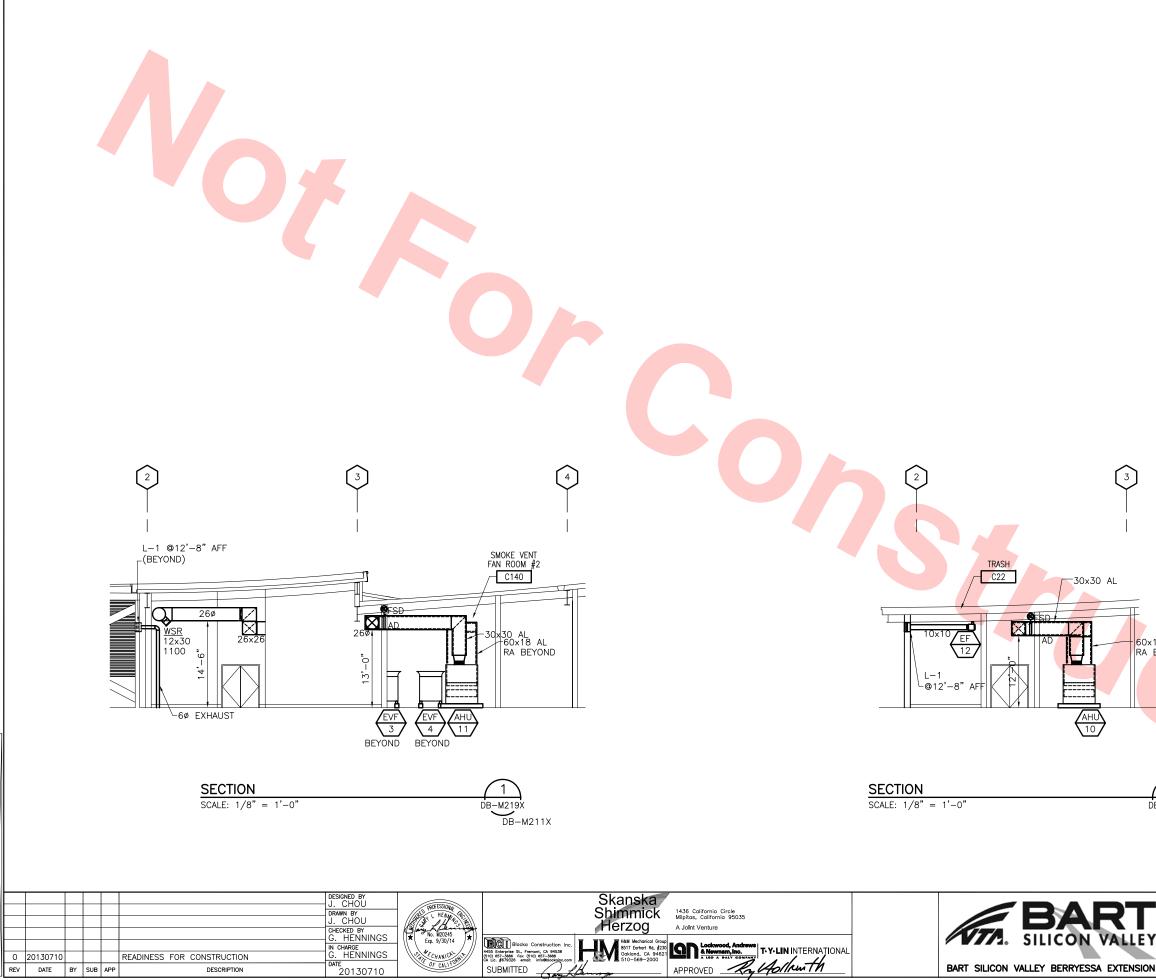


KEY NOTES (14) (2)7'-6"x5'-6" SUPPLY LOUVERS AT CEILING (15) (2) RL AND RS REFRIGERANT LINE SETS FROM PLATFORM LEVEL, EXTEND OVER AND UP TO CONDENSING UNITS (16) MOUNT UNIT @ 9' AFF (17) 6¢ EA DUCT FROM PLATFORM LEVEL, EXTEND TO GOOSENECK ON LOWER ROOF LEVEL, SEE DWG NO. M321 Santa Clara Valley Transportation 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. DB11002 Dat 8' GRAPHIC SCALE KEY PLAN (4) (8) (12) 16 20 24 $\left(\circ \right)$ ᡅ િ Ò CADD FILENAME C700-S-DB-M214X.dwg LINE, TRACK, STATIONS AND SYSTEMS SIZE SCALE D 1/8"=1'-0" DESIGN UNIT 023 MILPITAS STATION REV. 0 CONTRACT NO. CONCOURSE LEVEL PLAN ^{^.}C700 HVAC AREA CODE SHEET NO PAGE NO SHEET 4 OF 6 DB M214X 0702

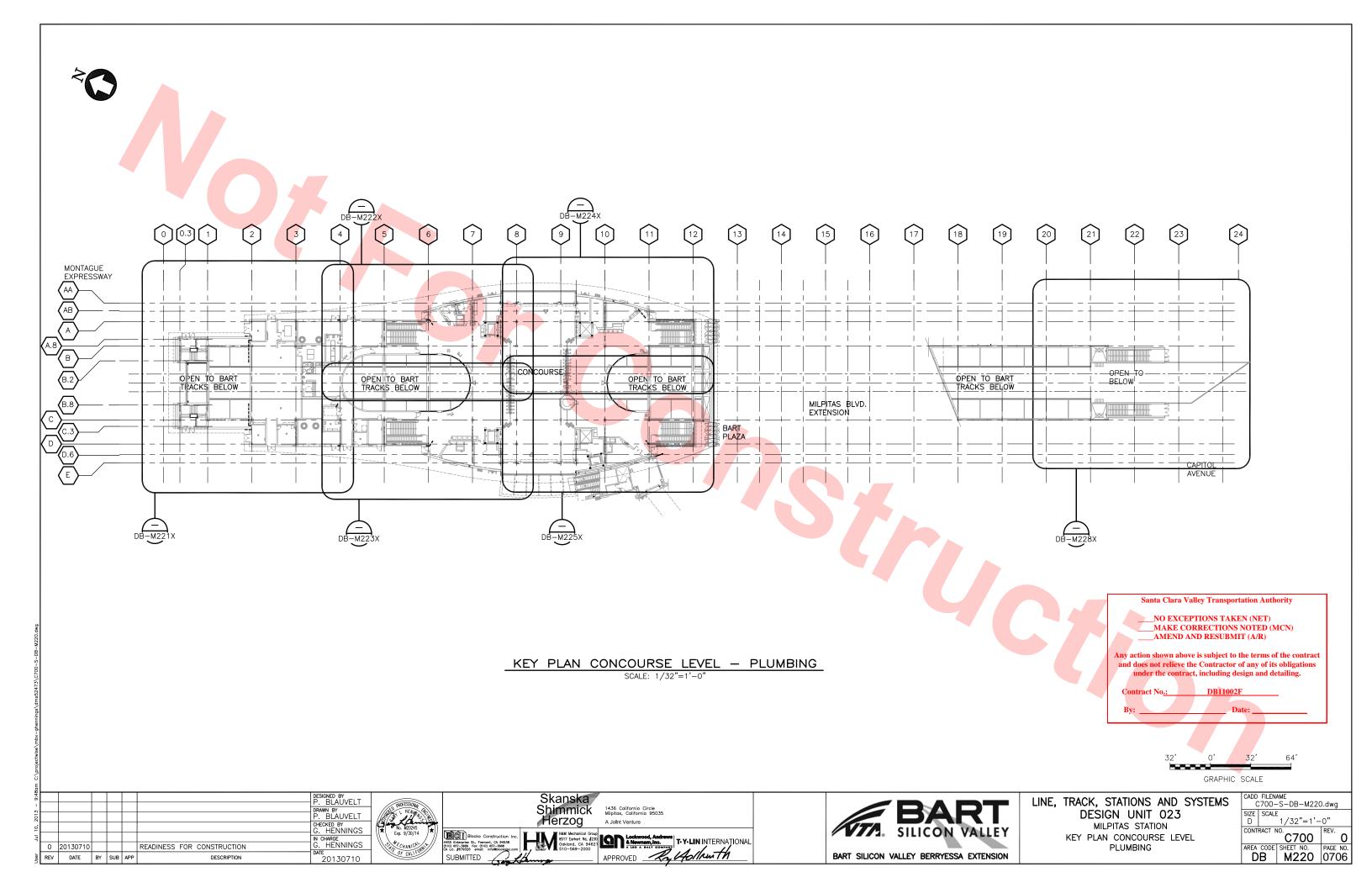


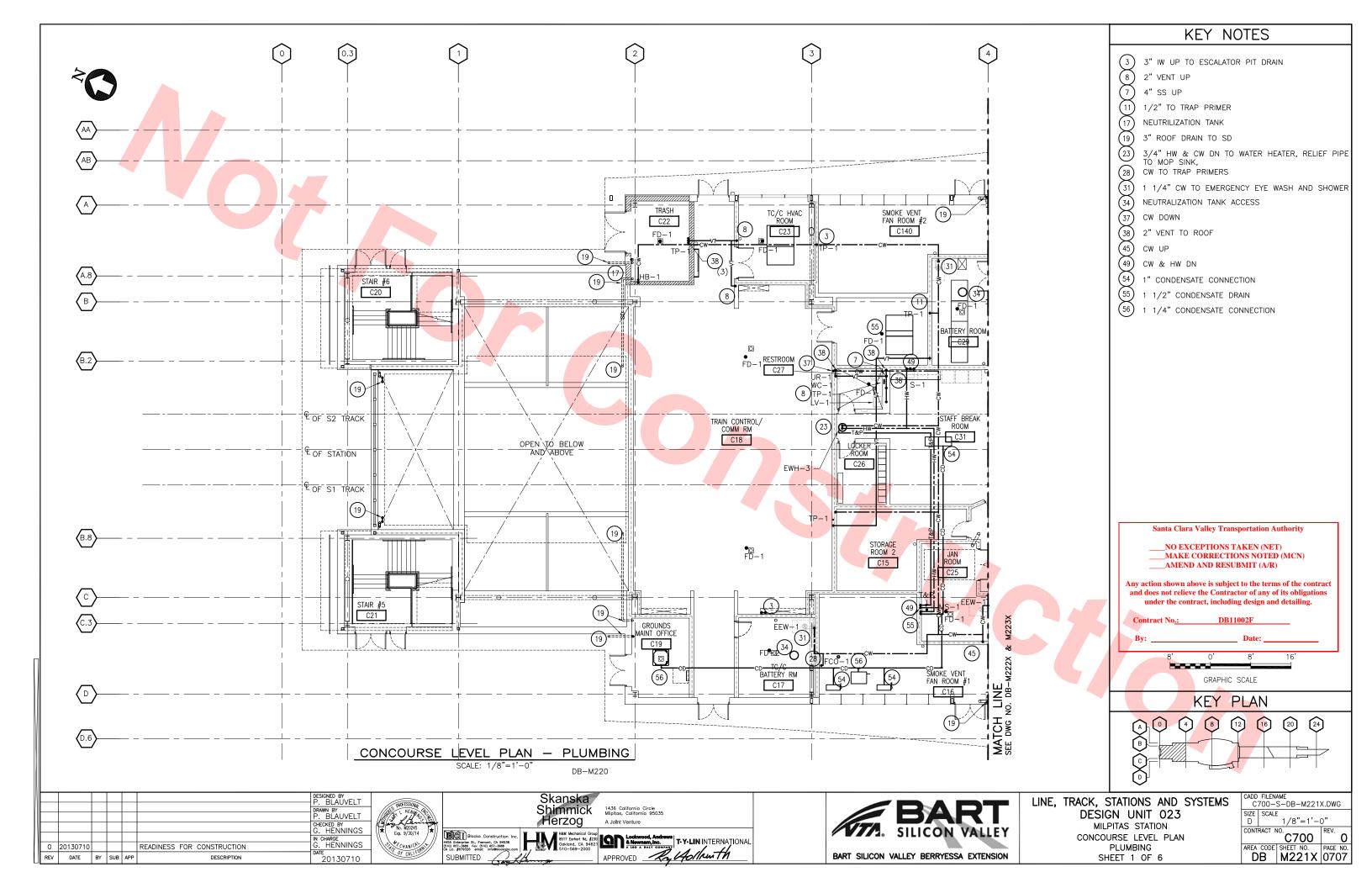
KEY NOTES (14) (2)7'-6"x5'-6" SUPPLY LOUVERS AT CEILING (15) (2) RL AND RS REFRIGERANT LINE SETS FROM PLATFORM LEVEL, EXTEND OVER AND UP TO CONDENSING UNITS (16) MOUNT UNIT @ 9' AFF 18 L-6 INTAKE LOUVER @ 10'-0" AFF WITH FIRE SMOKE DAMPER AND FILTERS (19) MOUNT AHU 7'-6" AFF, EXTEND RS AND RL LINES TO ASSOCIATED OUTDOOR UNIT ON LOWER ROOF. (20) 60 EA DUCT UP FROM PLATFORM LEVEL AND EXTEND TO RELIEF LOUVER ABOVE 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 **DB11002** GRAPHIC SCALE KEY PLAN (4) (8) [12] 16 20 24 $\left[0 \right]$ ᡅ ি \bigcirc CADD FILENAME C700-S-DB-M215X.dwg LINE, TRACK, STATIONS AND SYSTEMS SIZE SCALE 1/8"=1'-0"DESIGN UNIT 023 MILPITAS STATION CONTRACT NO. REV. CONCOURSE LEVEL PLAN C700 Ö HVAC AREA CODE SHEET NO PAGE NO SHEET 5 OF 6 DB M215X 0703

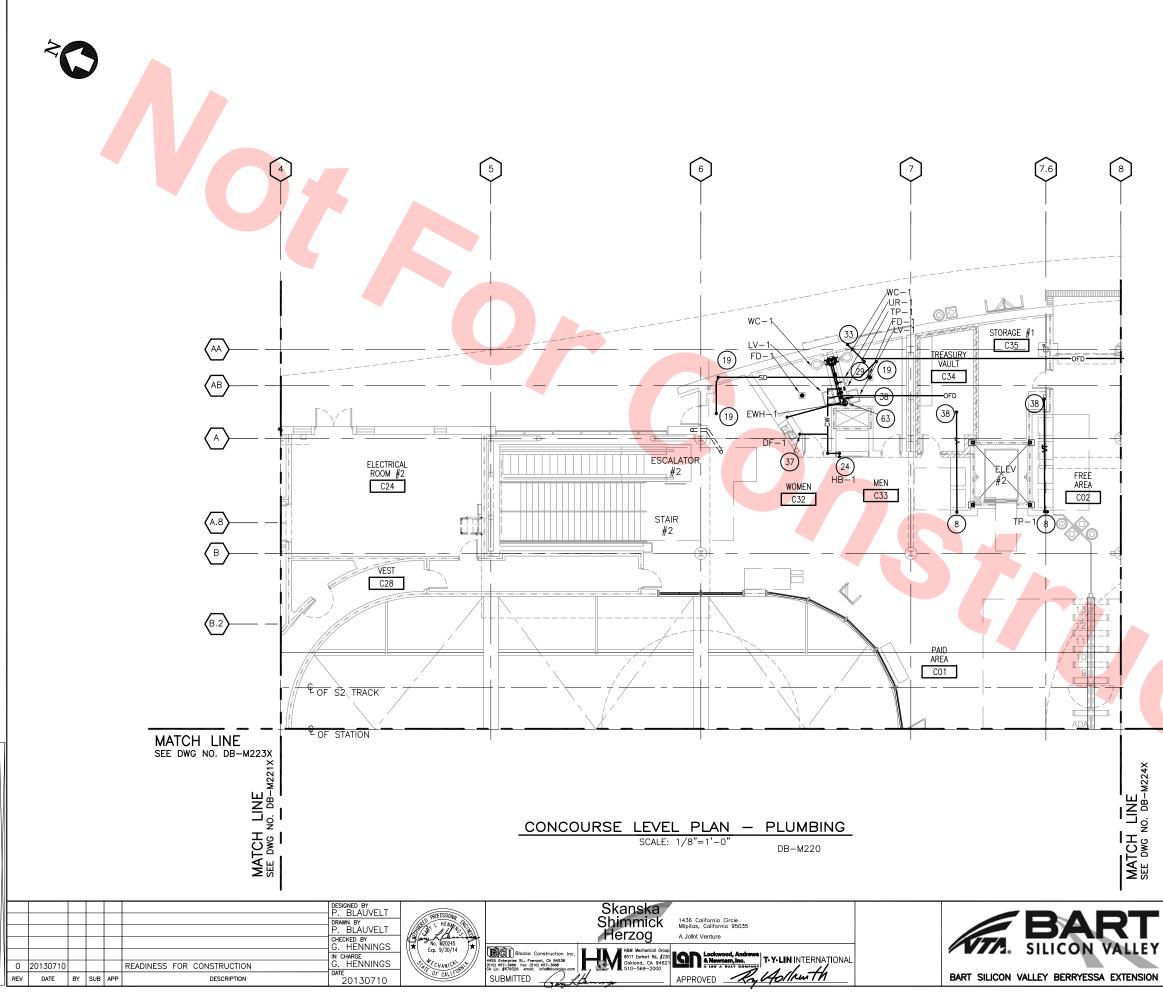




B-M	AMEND AND RES	FAKEN (NET) ONS NOTED (MCN) JBMIT (A/R) ct to the terms of the contract ctor of any of its obligations ng design and detailing.
	LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 MILPITAS STATION SECTIONS HVAC	CADD FILENAME C700-S-DB-M219X.dwg SIZE SCALE D 1/8"=1'0" CONTRACT NO. REV. O AREA CODE SHEET NO. PAGE NO. DB M219X 0705



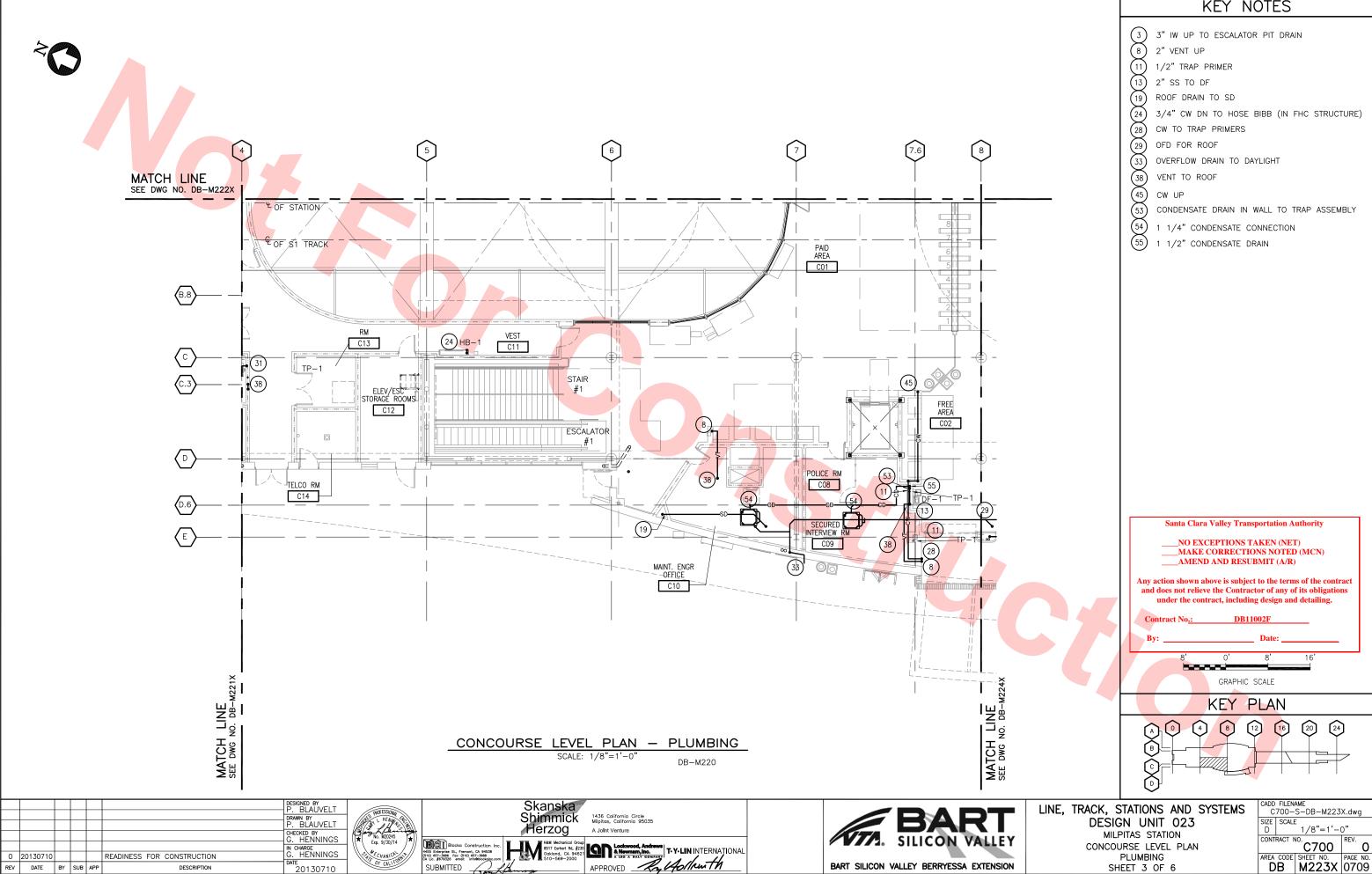




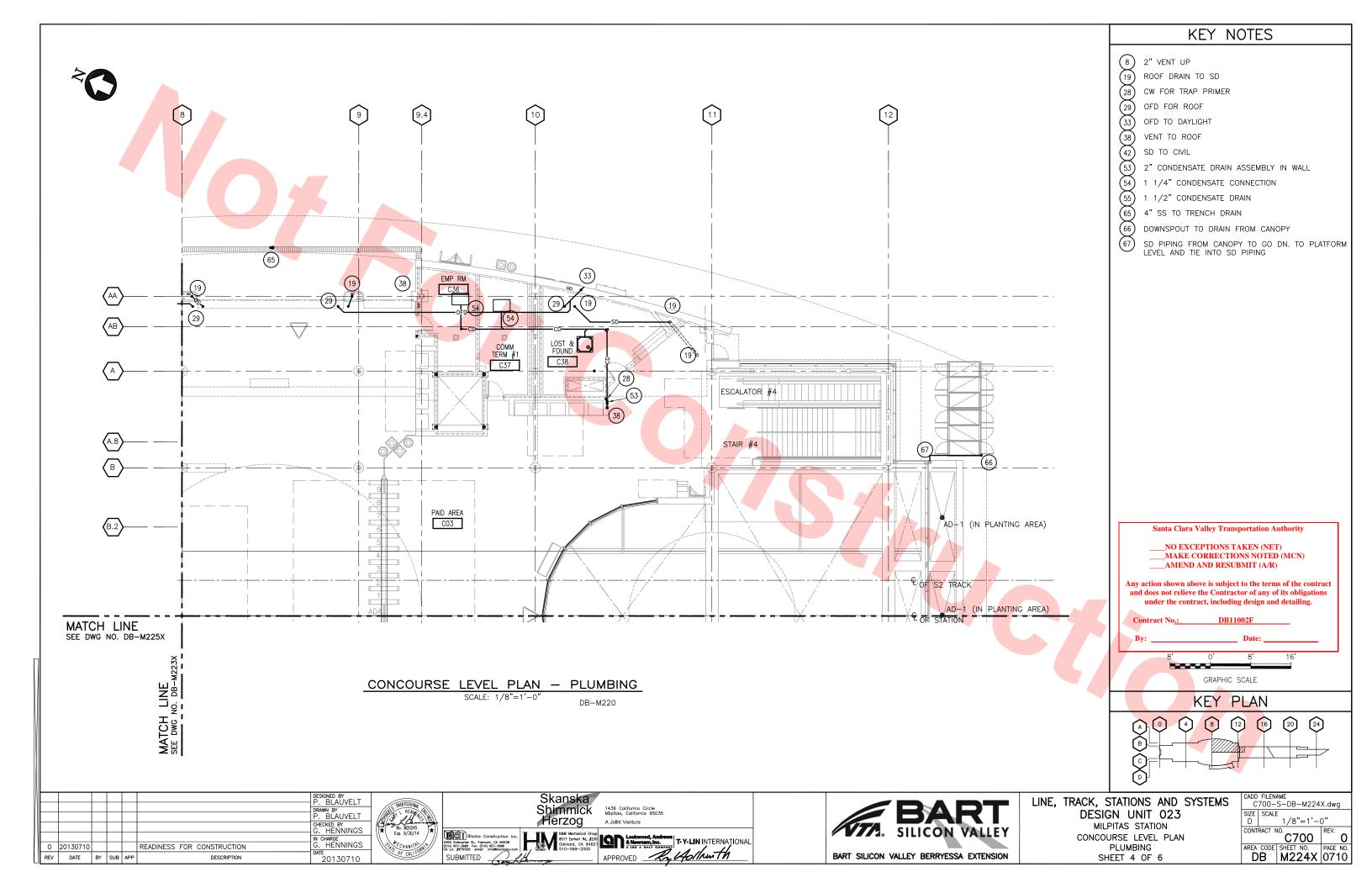
KEY NOTES (8) 2" VENT UP (19) ROOF DRAIN TO SD (24) 3/4" CW DN TO HOSE BIBB (IN FHC STRUCTURE) (29) OFD FOR ROOF (33) OFD TO DAYLIGHT (37) CW DOWN (38) VENT TO ROOF $\overbrace{63}^{63}$ EWH ABOVE CEILING BEHIND ACCESS PANAL, DRAIN TO LAV-1 TRAP Santa Clara Valley Transportation Authority
 ____NO EXCEPTIONS TAKEN (NET)

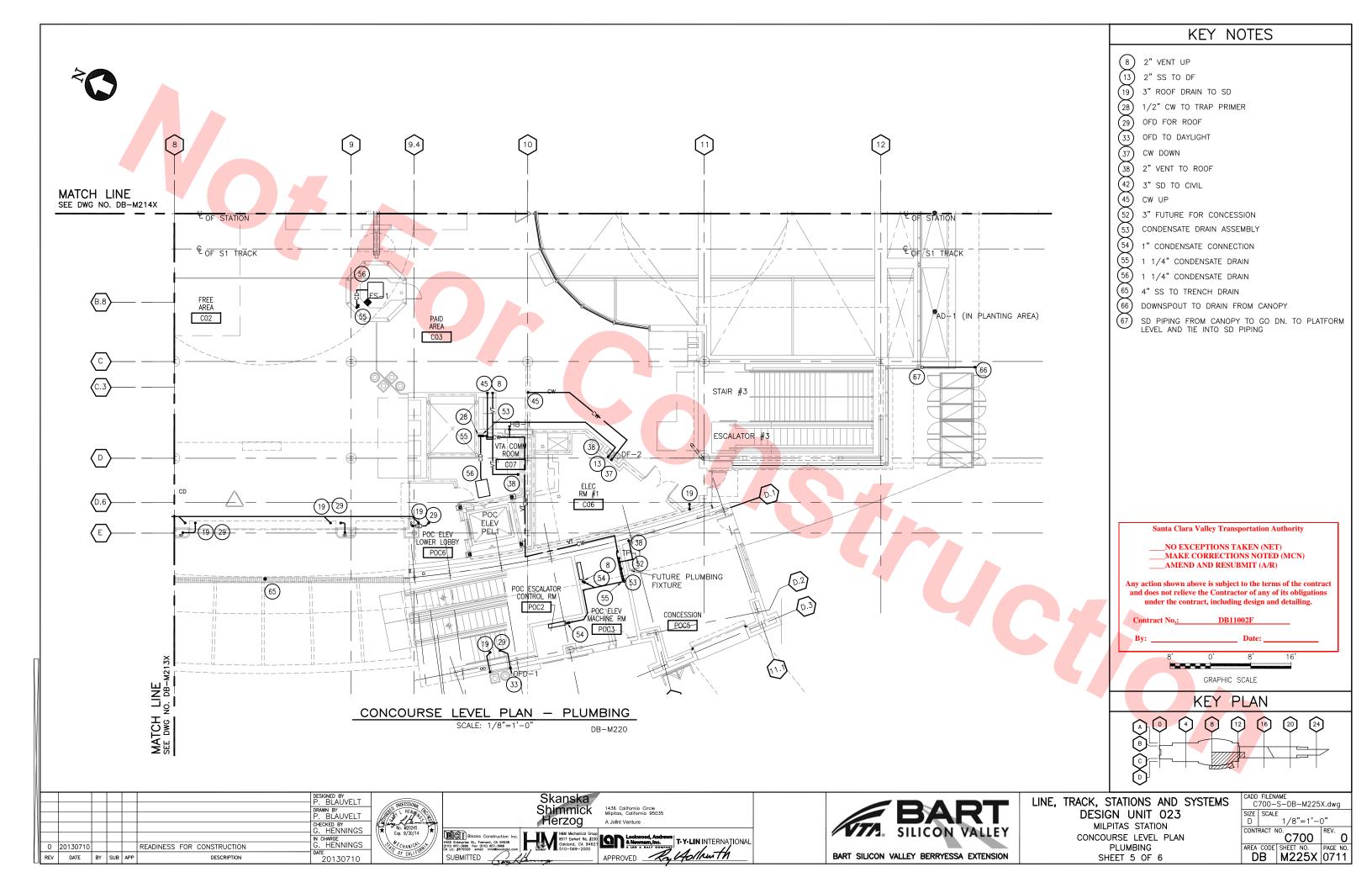
 ___MAKE CORRECTIONS NOTED (MCN)

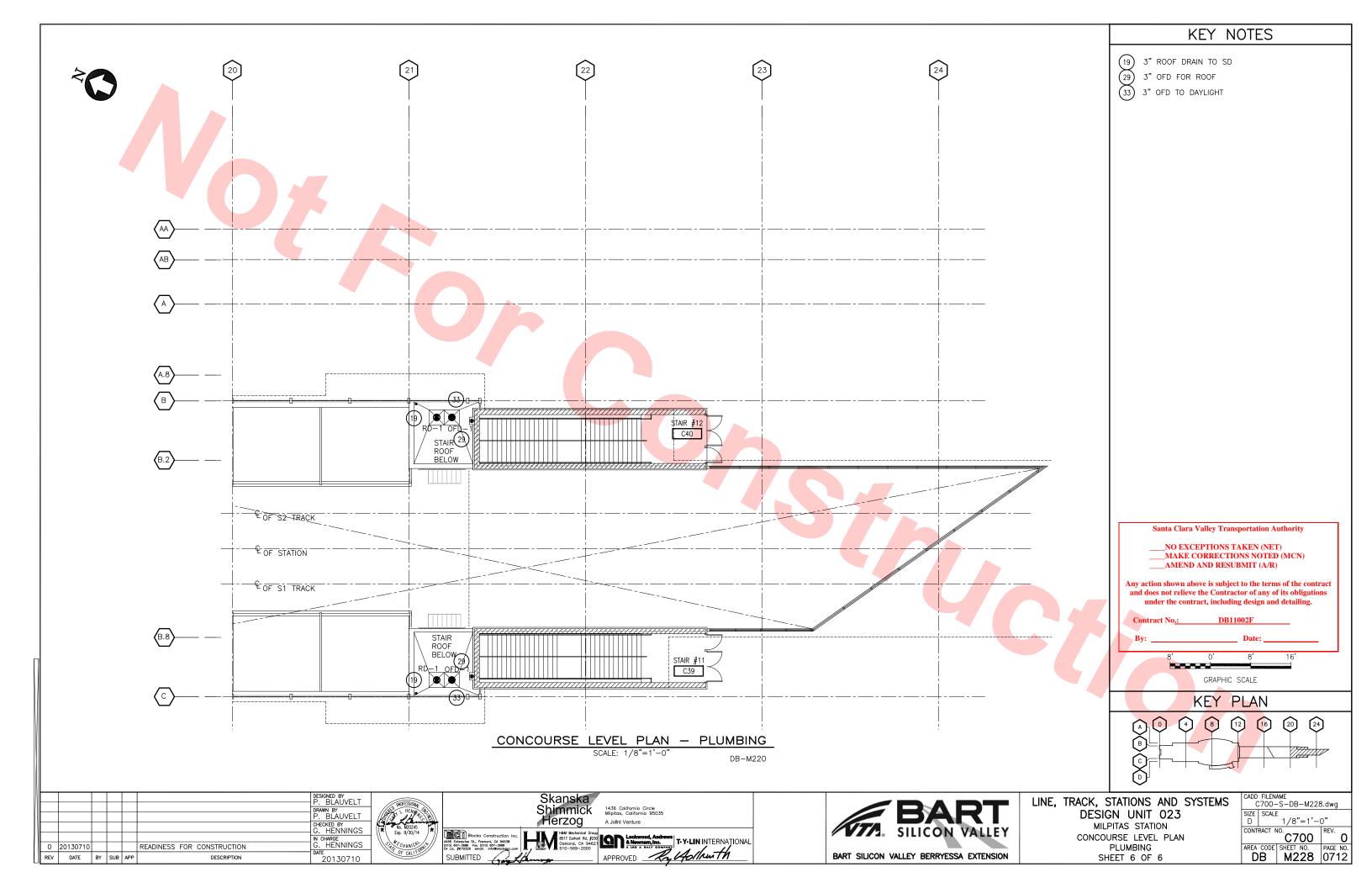
 ___AMEND AND RESUBMIT (A/R)
 Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing. Contract No **DB11002** GRAPHIC SCALE KEY PLAN (4) (8) 12 16 20 24 $\left(\circ \right)$ \bigcirc \bigcirc $\hat{\mathbb{O}}$ CADD FILENAME C700-S-DB-M222X.dwg LINE, TRACK, STATIONS AND SYSTEMS SIZE SCALE D 1/8"=1'-0" DESIGN UNIT 023 MILPITAS STATION CONTRACT NO. C700 REV. 0 CONCOURSE LEVEL PLAN PLUMBING AREA CODE SHEET NO. PAGE NO. DB M222X 0708 SHEET 2 OF 6

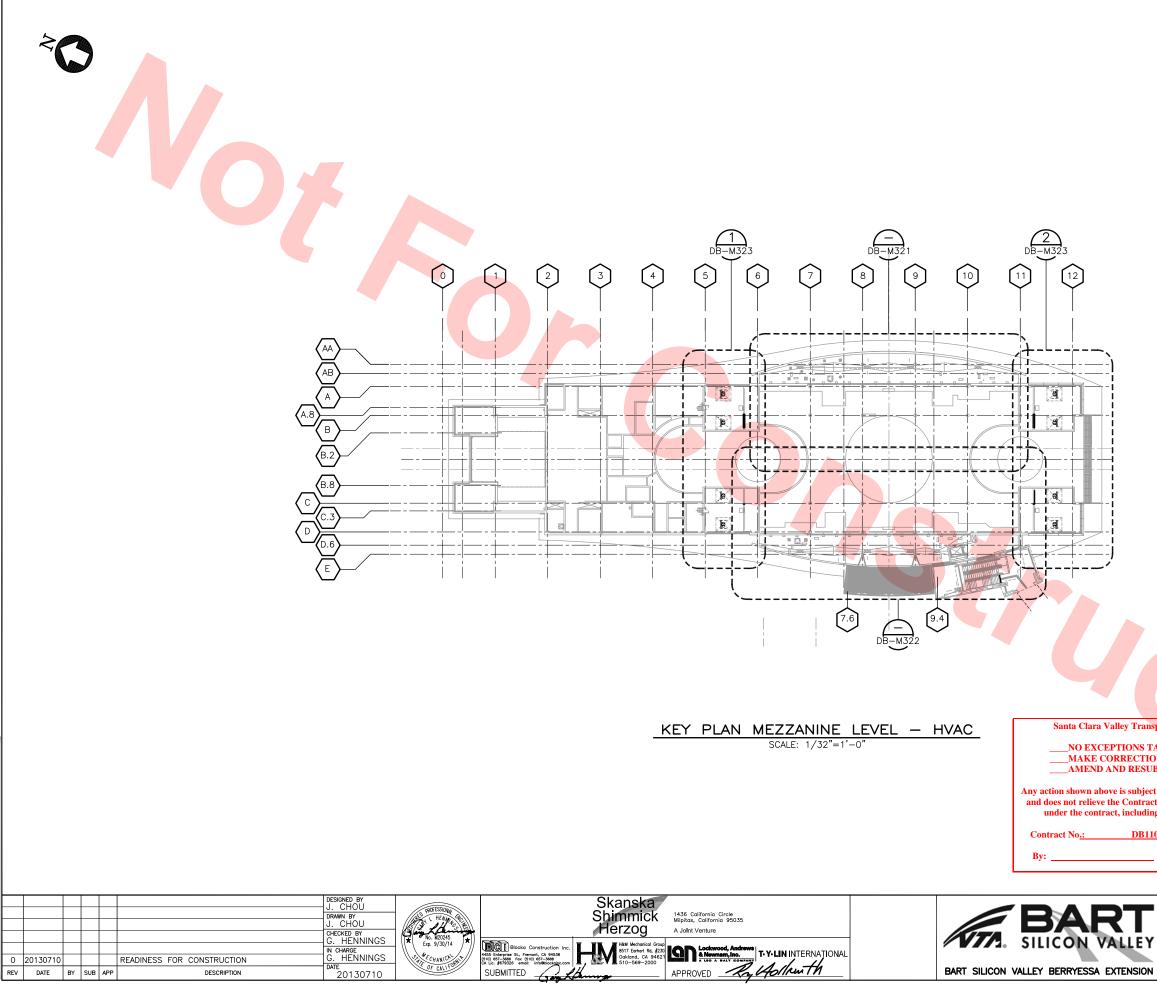


KEY NOTES

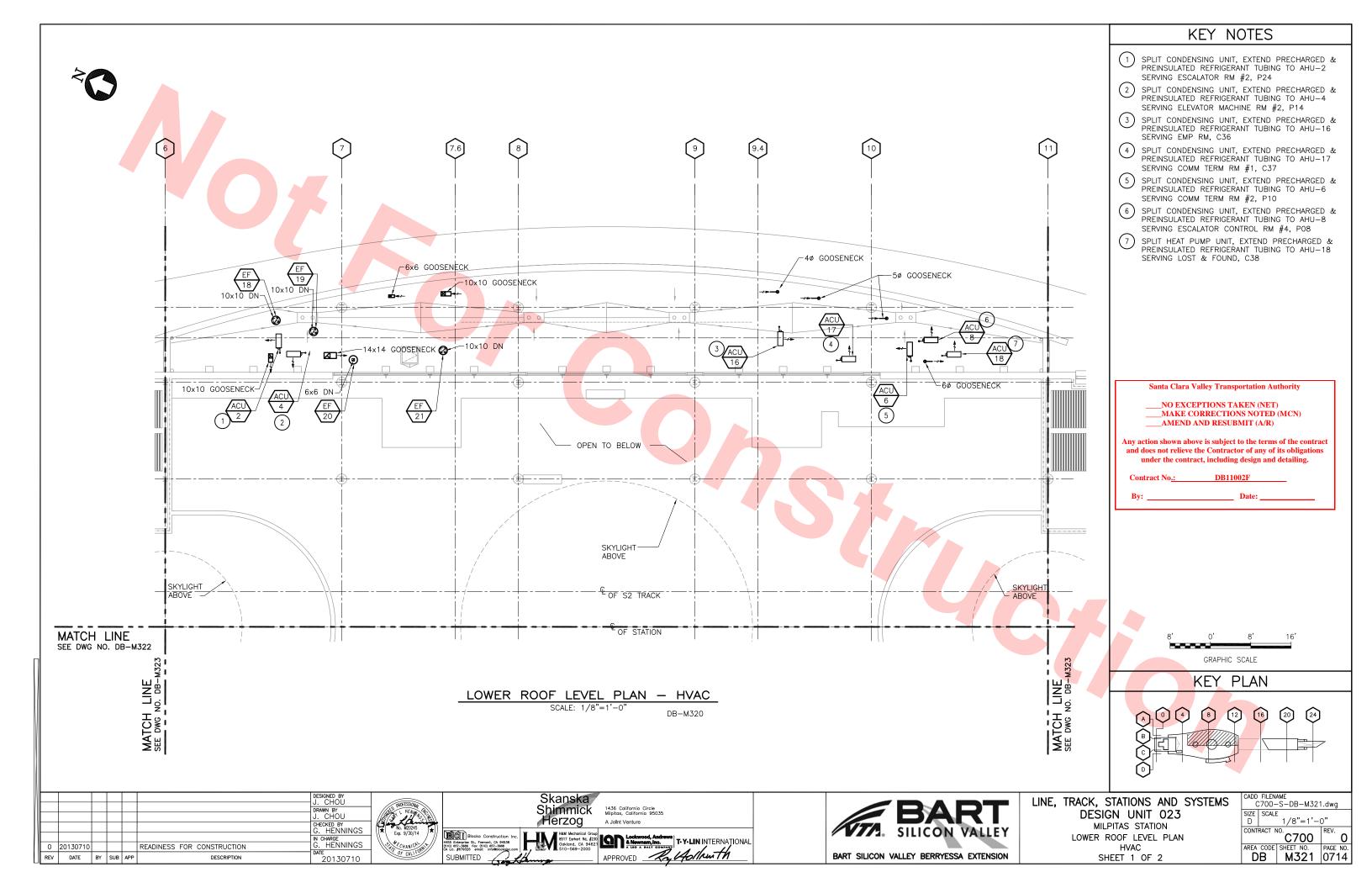


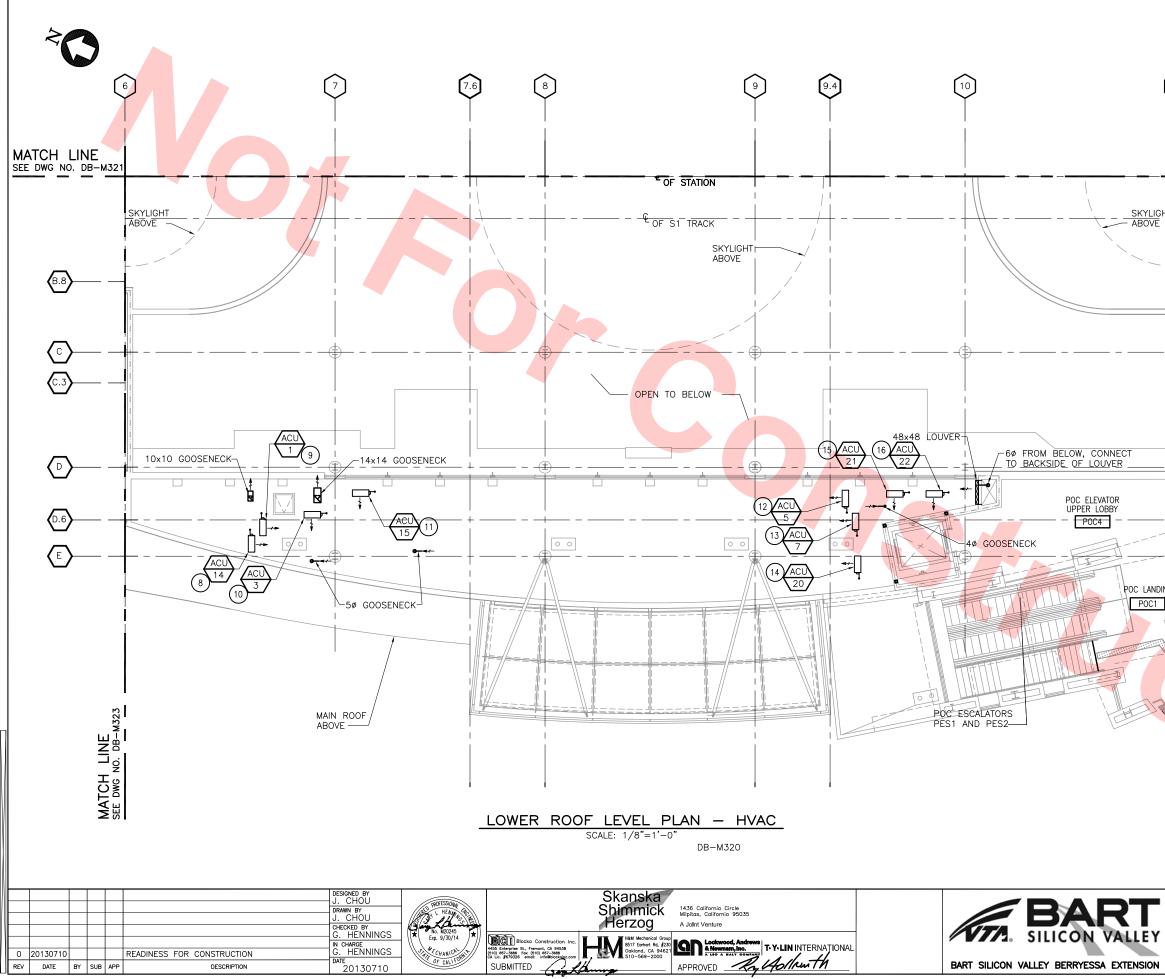




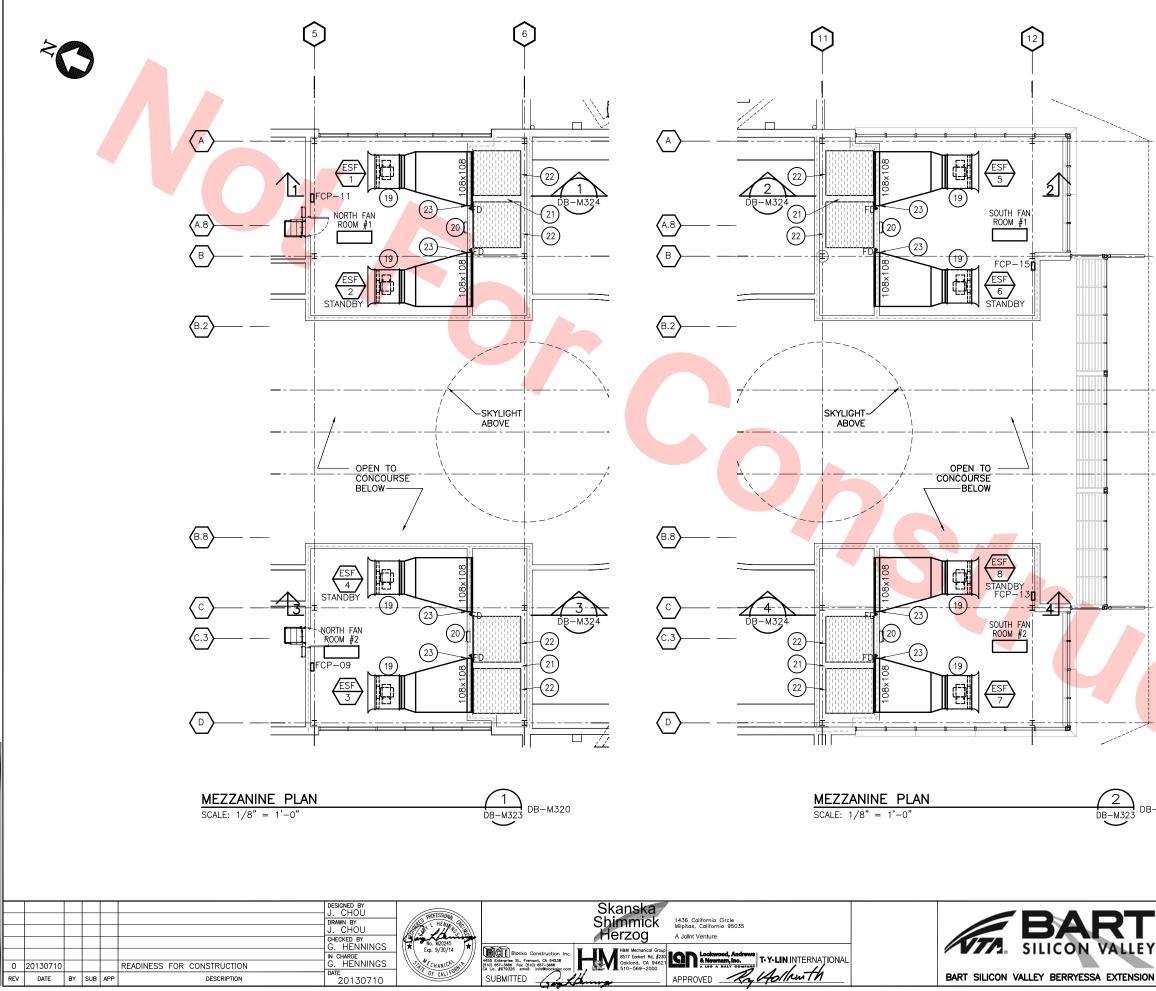


TAK ONS JBM et to et or	tation Authority EN (NET) NOTED (MCN) IT (A/R) the terms of the contract of any of its obligations esign and detailing. <u>F</u>		
D	ate:	32' 0'	32' 64'
			C SCALE
•	LINE, TRACK, S	TATIONS AND SYSTEMS	C700-S-DB-M320.dwg
,		PITAS STATION	$\begin{array}{c c} \text{SIZE} & \text{SCALE} \\ D & 1/32"=1'-0" \\ \hline \\ \text{CONTRACT NO.} & \text{REV.} \end{array}$
1	KEY PLAN	MEZZANINE LEVEL	C700 0
i		HVAC	AREA CODE SHEET NO. PAGE NO. DB M320 0713

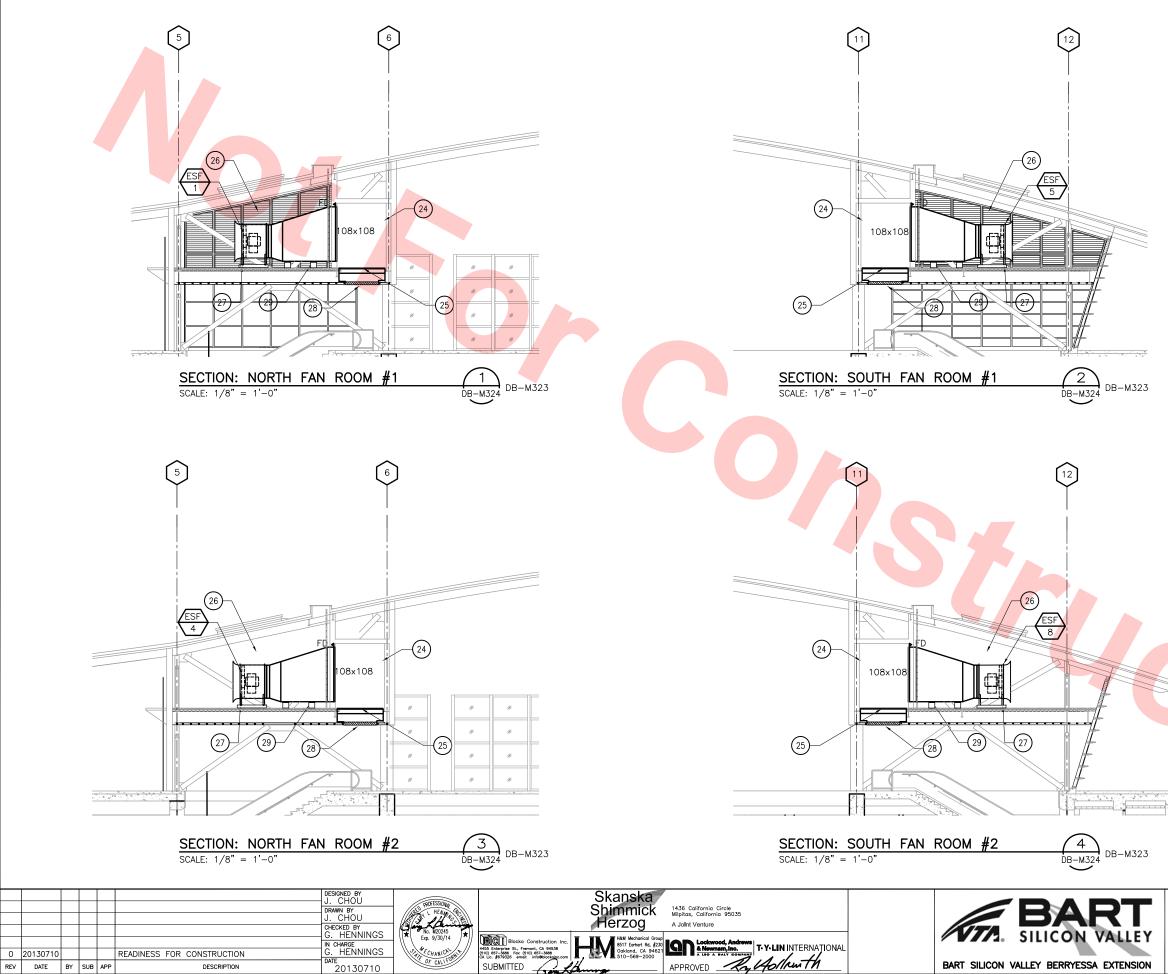




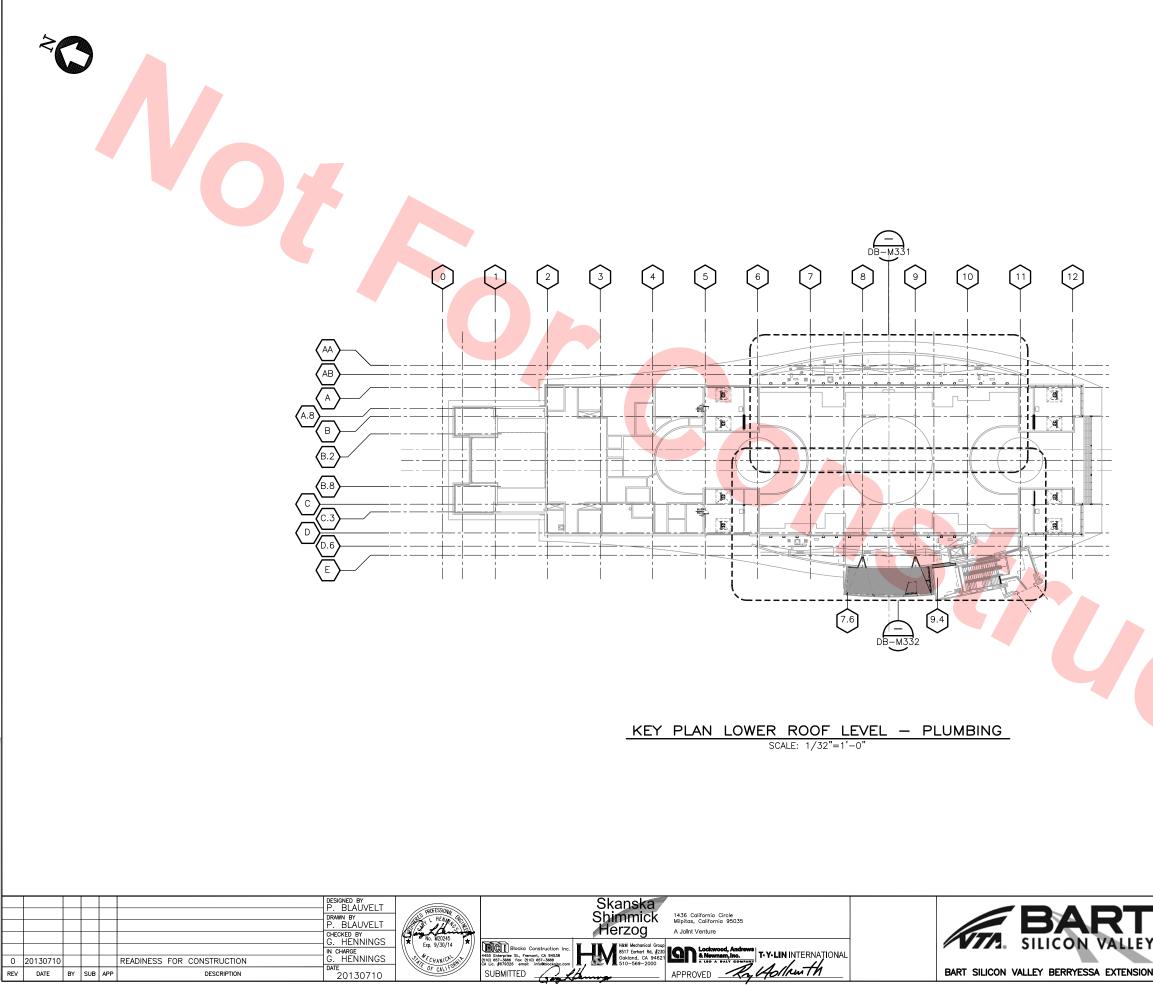
	KEY NOTES
	 8 SPLIT HEAT PUMP, EXTEND PRECHARGED & PREINSULATED REFRIGERANT TUBING TO AHU-14 SERVING MAINT ENGR OFFICE, C10 9 SPLIT CONDENSING UNIT, EXTEND PRECHARGED & PREINSULATED REFRIGERANT TUBING TO AHU-1 SERVING ESCALATOR CONTROL RM #1, P23 10 SPLIT CONDENSING UNIT, EXTEND PRECHARGED & PREINSULATED REFRIGERANT TUBING TO AHU-3 SERVING ELEVATOR MACHINE RM #1, P13 11 SPLIT HEAT PUMP UNIT, EXTEND PRECHARGED & PREINSULATED REFRIGERANT TUBING TO AHU-15 SERVING POLICE RM, C08 12 SPLIT CONDENSING UNIT, EXTEND PRECHARGED & PREINSULATED REFRIGERANT TUBING TO AHU-5 SERVING COMM TERM RM #3, P09 13 SPLIT CONDENSING UNIT, EXTEND PRECHARGED & PREINSULATED REFRIGERANT TUBING TO AHU-7 SERVING ESCALATOR CONTROL RM #3, P07 14 SPLIT HEAT PUMP UNIT, EXTEND PRECHARGED & PREINSULATED REFRIGERANT TUBING TO AHU-20 SERVING COMM ROOM, C07 15 SPLIT CONDENSING UNIT, EXTEND PRECHARGED & PREINSULATED REFRIGERANT TUBING TO AHU-21 SERVING POC ESCALATOR CONTROL RM #3, P07 16 SPLIT CONDENSING UNIT, EXTEND PRECHARGED & PREINSULATED REFRIGERANT TUBING TO AHU-21 SERVING POC ESCALATOR CONTROL, P022 16 SPLIT CONDENSING UNIT, EXTEND PRECHARGED & PREINSULATED REFRIGERANT TUBING TO AHU-21 SERVING POC ESCALATOR CONTROL, P023
	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:
DWG NO. DB-M323	8' 0' 8' 16' GRAPHIC SCALE
MATCH L SEE DWG NO.	
DESIG MILF LOWER F	CADD FILENAME CADD FILENAME C700-S-DB-M322.dwg SIX UNIT 023 PITAS STATION ROOF LEVEL PLAN HVAC EET 2 OF 2 CADD FILENAME C700-S-DB-M322.dwg SIZE SCALE D STRACT NO. REV. O AREA CODE BB M322 O715



		KEY NOTES
		 (19) STAIRWAY SUPPLY FAN MOUNTED ON VIBRATION ISOLATORS, SEE SHEET NO. M364, DETAIL 1. FAN EQUIPPED WITH GRAVITY BACKORAFT DAMPER, CONNECTED TO DUCTWORK WITH 6" FLEX CONNECTOR (RELAXED). (20) FAN ROOM ACCESS LADDER (21) ACOUSTICAL SUPPLY AIR PLENUM CAVITY, ENTIRE PLENUM TREATED WITH ACOUSTICAL FOAM. (22) (2)7'8"X7'11" PERFORATED PANEL/PRESSURE EQUALIZATION BAFFLE ABOVE LOWER LOUVER (23) SEAL DUCT WITH FIRE DAMPER PENETRATION OF WALL WITH DUCT SEALANT
		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.: DB11002F By:
	7	8' 0' 8' 16' GRAPHIC SCALE
н—M320		KEY PLAN
	DESIG	TATIONS AND SYSTEMS IN UNIT 023 PITAS STATION ZANINE PLANS HVAC HVAC HVAC HVAC CADD FILENAME C700–S–DB–M323.dwg 1/8"=1'-0" CONTRACT NO. C700 AREA CODE SHEET NO. DB M323 0716



KEY NOTES (24) ACOUSTICALLY TREATED AIR PLENUM (25) (2)PRICE MODEL MSPG PERFORATED GRILLE, 7'8"x7'11" EACH 26 BACKDRAFT DAMPER AND 6" SLACK FLEX CONNECTOR AT DISCHARGE OF FAN 27) FAN MOUNTED ON SPACE SAVING VIBRATION ISOLATION BASE, SEE DWG NO. M364, DETAIL 1 (28) 7'6"x5'6" LOUVER, TYP 2 (29) 12" WIDE x 11" HIGH x 80" LONG CONCRETE BASE, WITH 2" THICK VIBRATION ISOLATION PAD UNDER FAN SUPPORT BRACKET 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 Date: Bv: GRAPHIC SCALE KEY PLAN A 0 ()12 16 (20) (24) CADD FILENAME C700-S-DB-M324.dwg LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 SIZE SCALE D 1/8"=1'-0" MILPITAS STATION CONTRACT NO. C700 REV. 0 STAIRWAY SECTIONS HVAC AREA CODE SHEET NO PAGE NO DB M324 0717



DESCRIPTION

Santa Clara Valley Transportation Authority

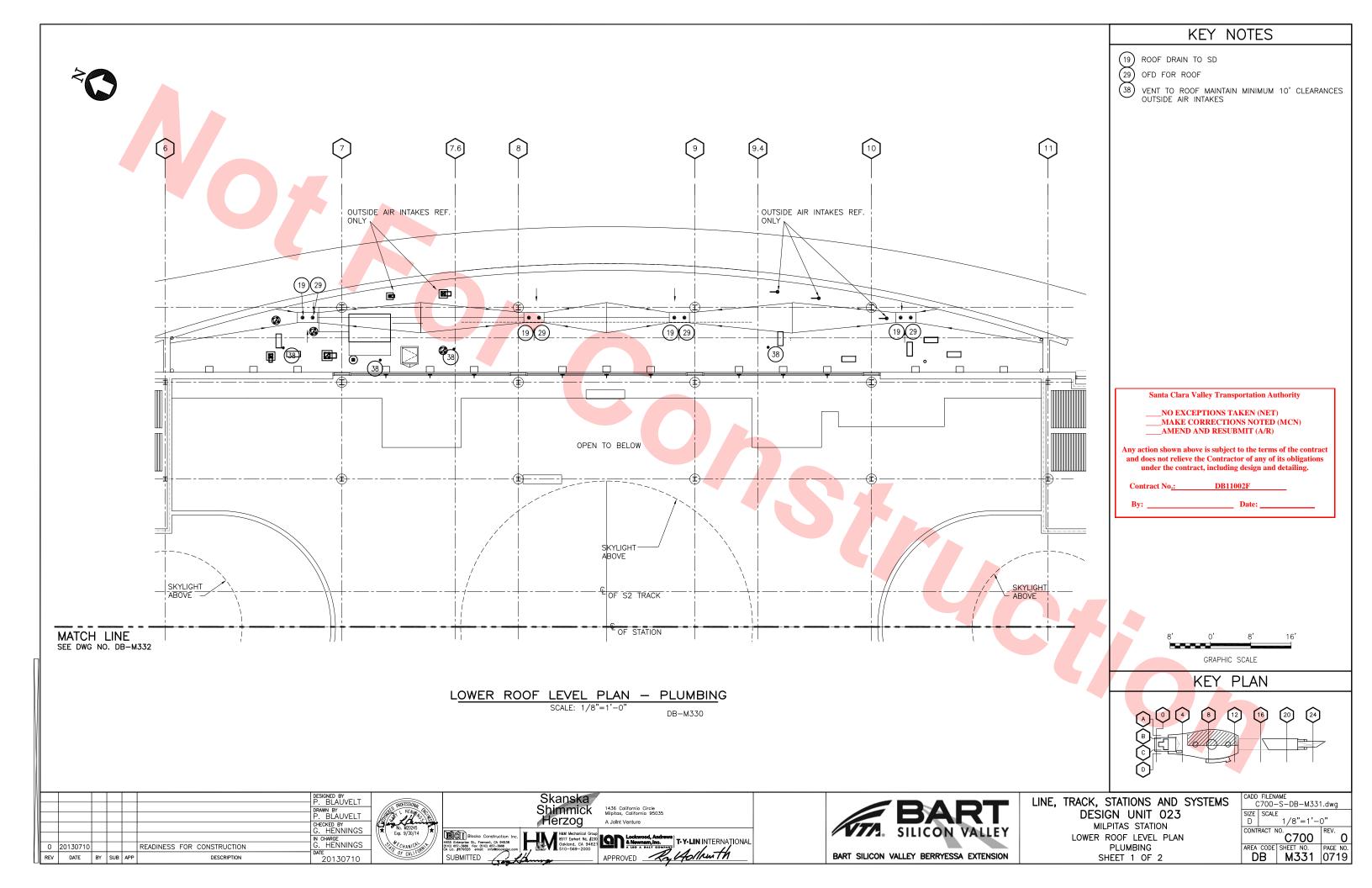
__NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN) AMEND AND RESUBMIT (A/R)

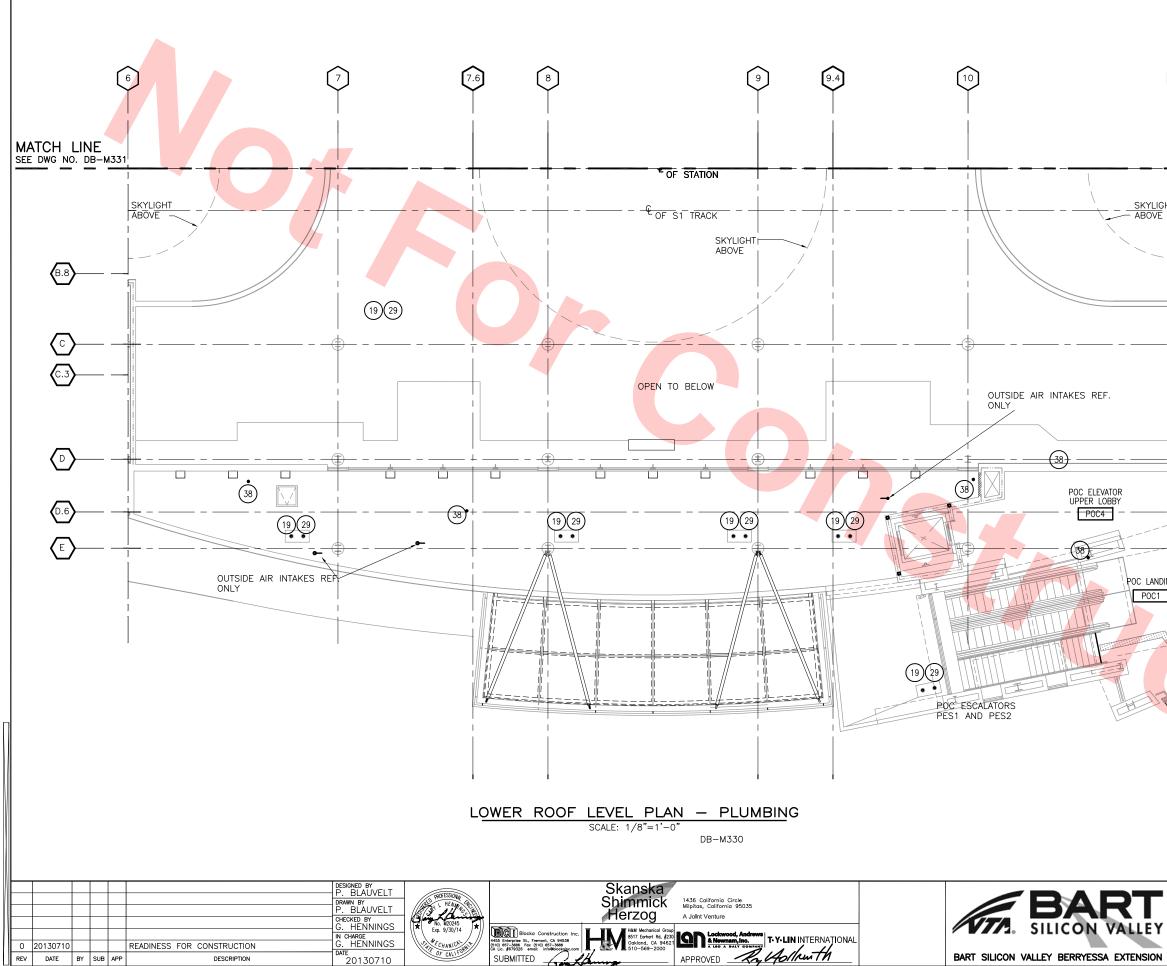
Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing.

DB11002F Contract No.:

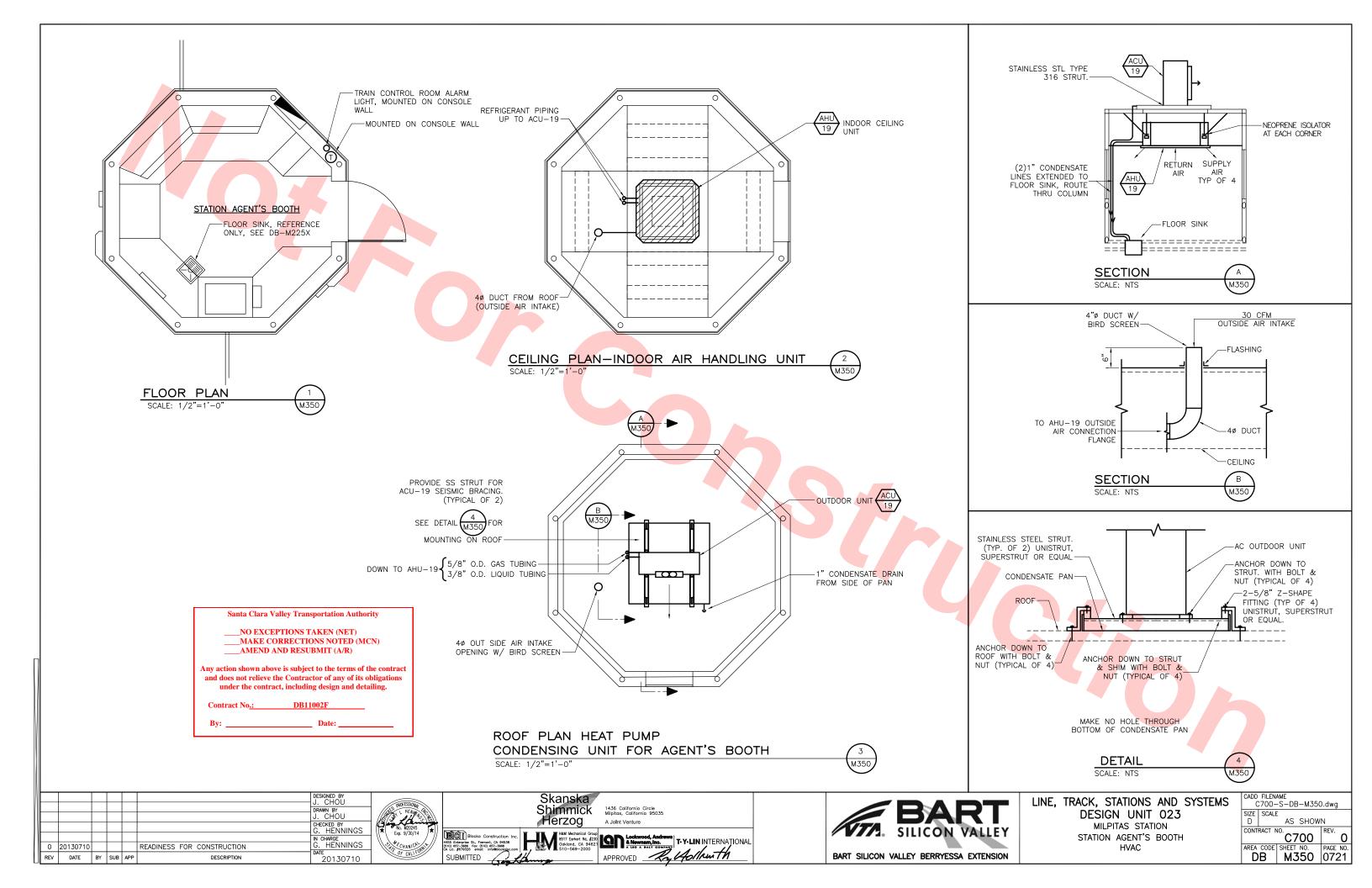
Date:

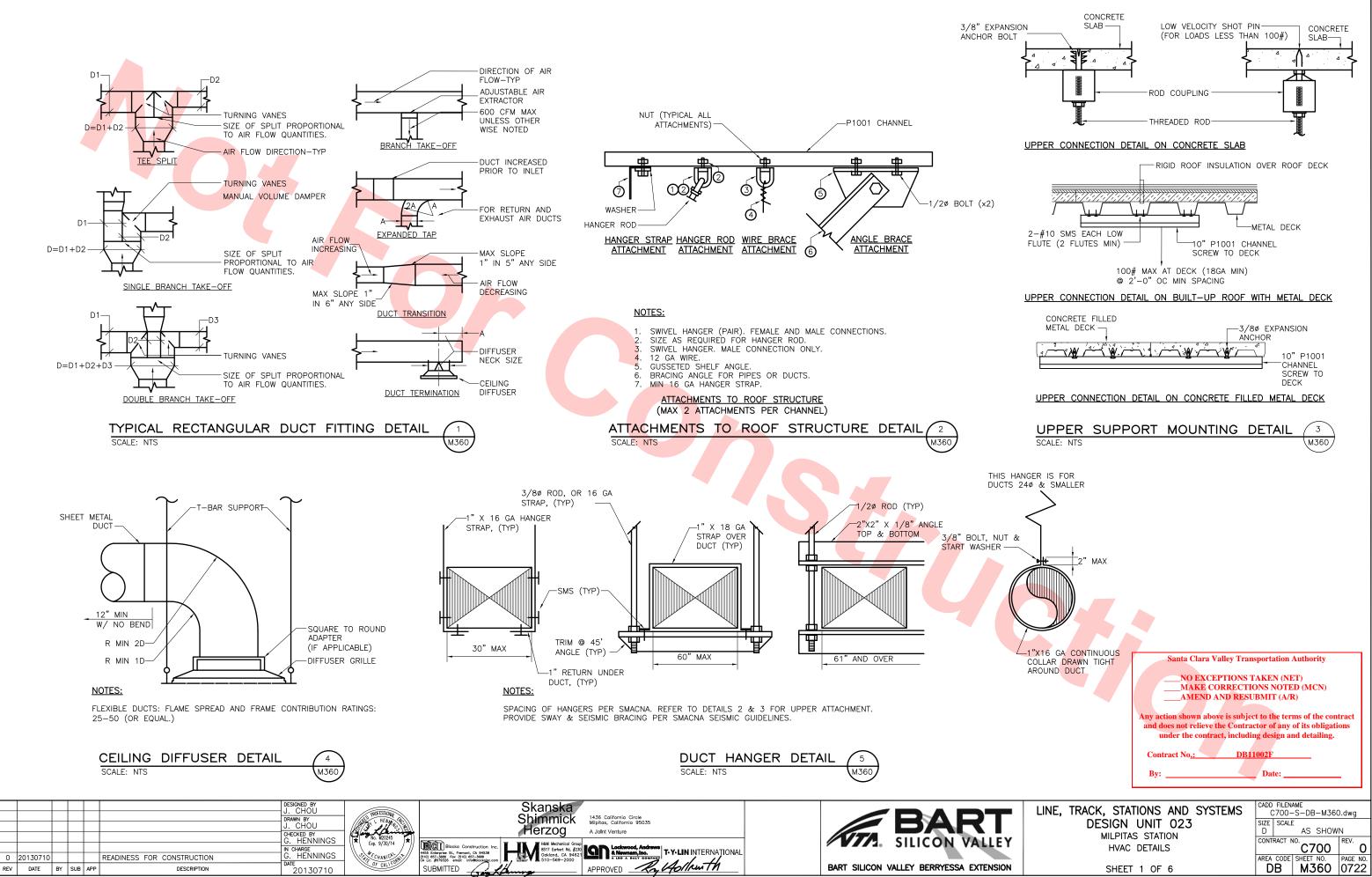
	32' O' GRAPHIC	32' 64' SCALE
	LINE, TRACK, STATIONS AND SYSTEMS	CADD FILENAME C700-S-DB-M330.dwg
	DESIGN UNIT 023 MILPITAS STATION	D 1/32"=1'-0"
r	KEY PLAN LOWER ROOF LEVEL	C700 0
N	PLUMBING	AREA CODE SHEET NO. PAGE NO. DB M330 0718
T N	GRAPHIC LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 MILPITAS STATION	SCALE CADD FILENAME C700-S-DB-M330.dwg SIZE SCALE D 1/32"=1'-0" CONTRACT NO. C700 AREA CODE SHEET NO. PAGE NO.

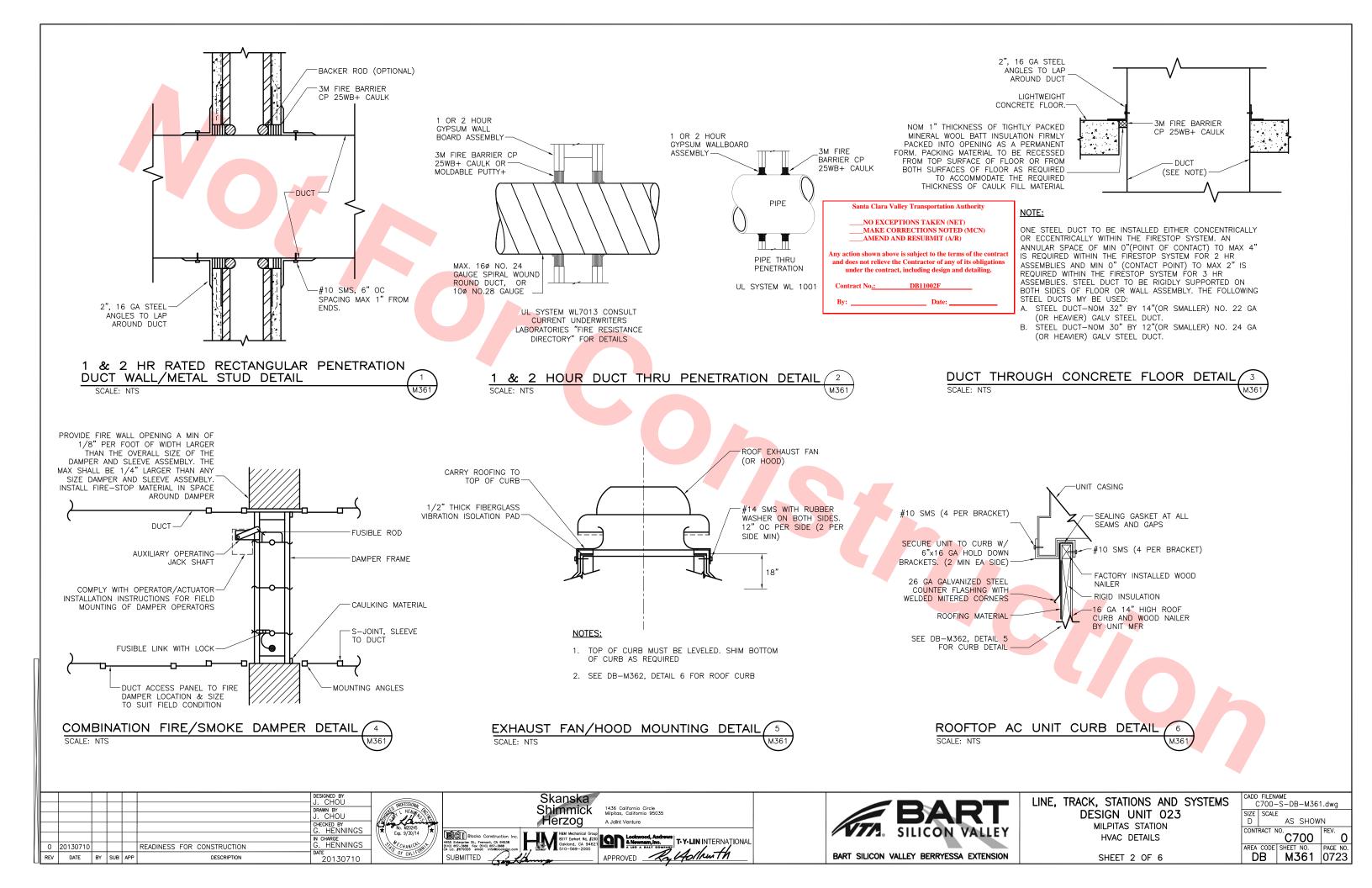


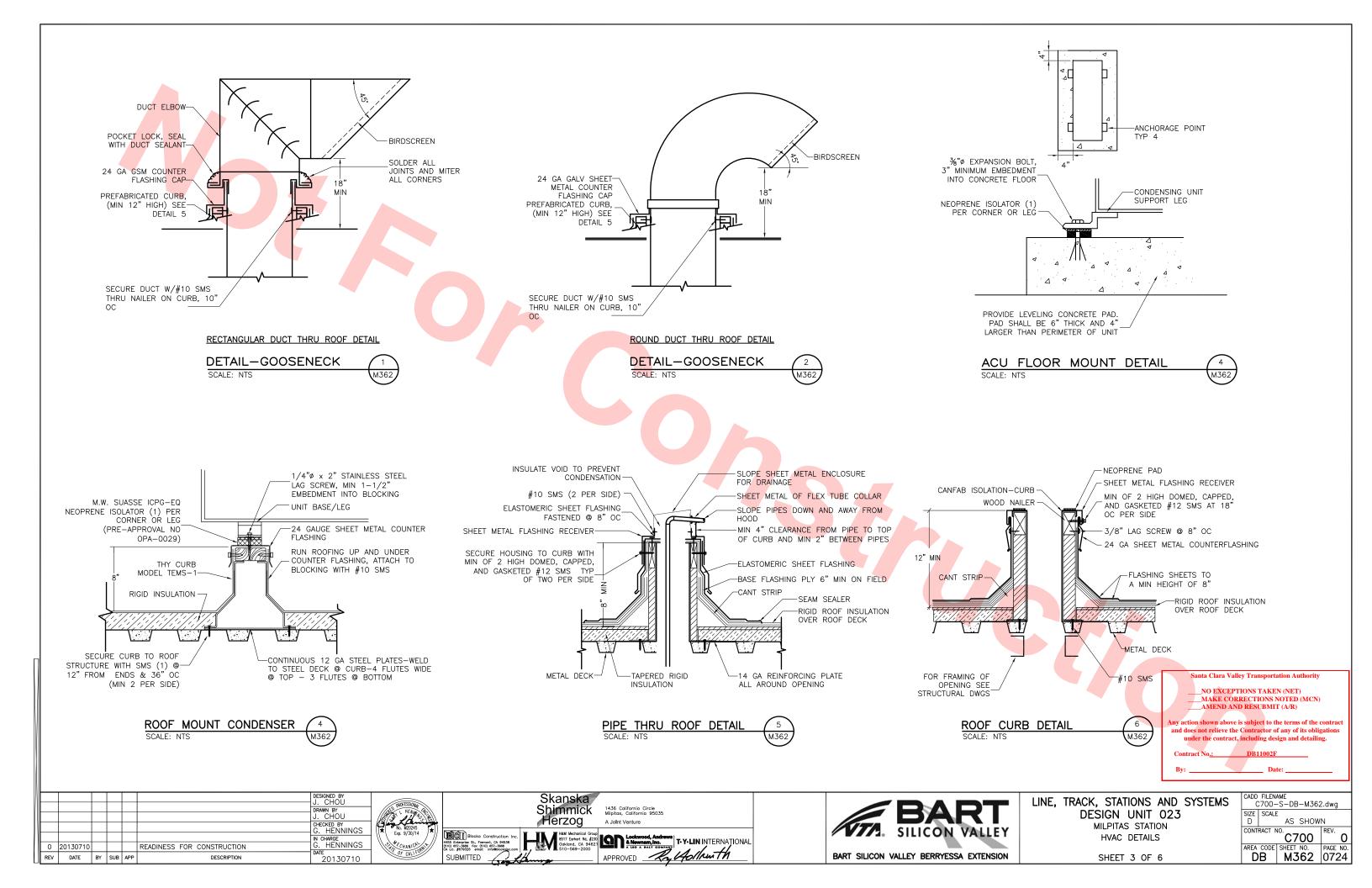


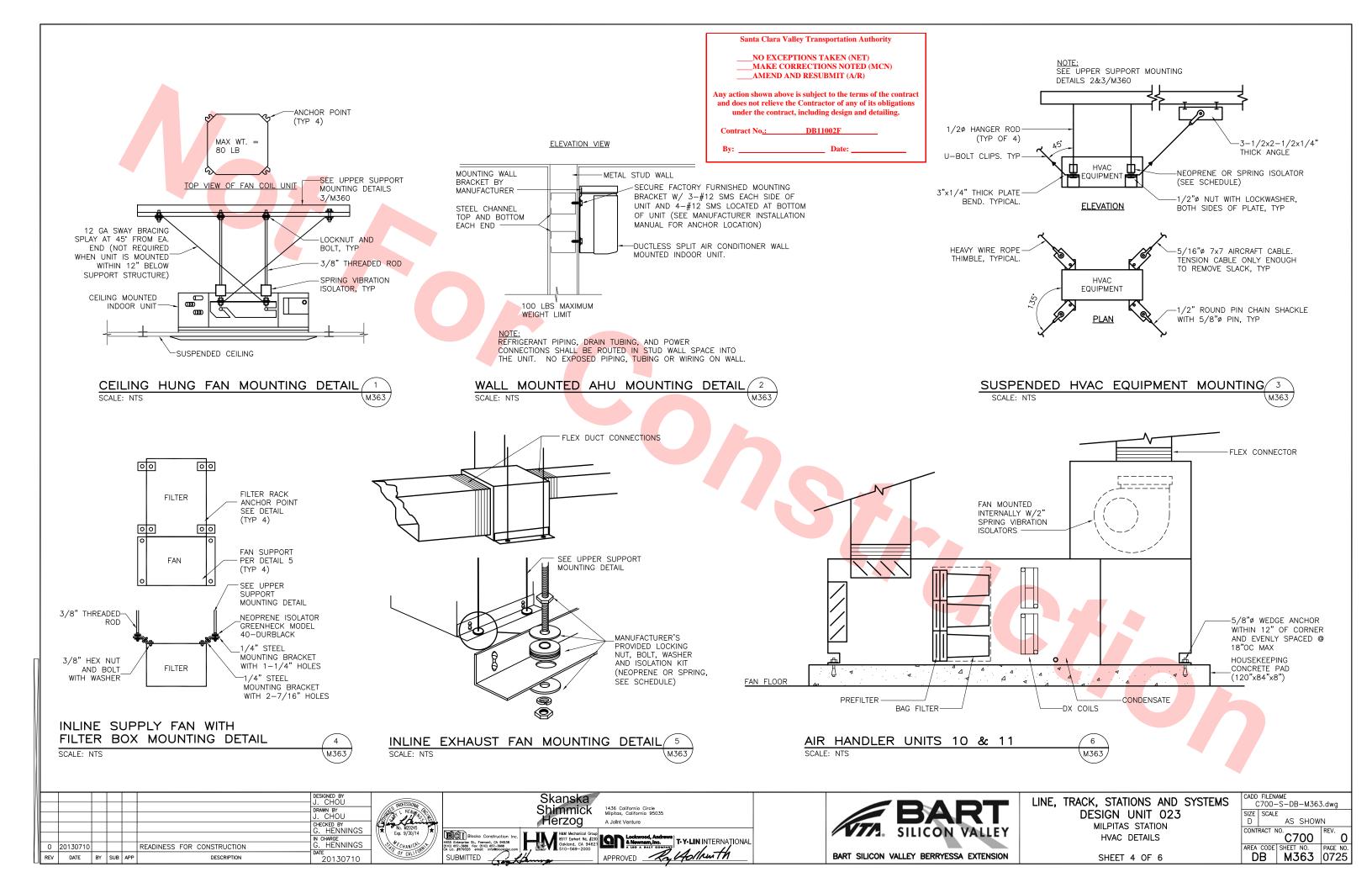
	KEY NOTES
	Image: Second state sta
	B' GRAPHIC SCALE KEY PLAN KEY PLAN CADD FILENAME C700-S-DB-M332.dwg STATIONS AND SYSTEMS N UNIT 023 DTAS STATION CADD FILENAME C700-S-DB-M332.dwg SIZE SCALE 1/8"=1'-0" CONTRACT NO 0 REV 0
LOWER F	CONTRACT NO. CONTRACT NO. REV. PLUMBING AREA CODE SHEET NO. PAGE NO. EET 2 OF 2 DB M332 0720
<u> </u>	

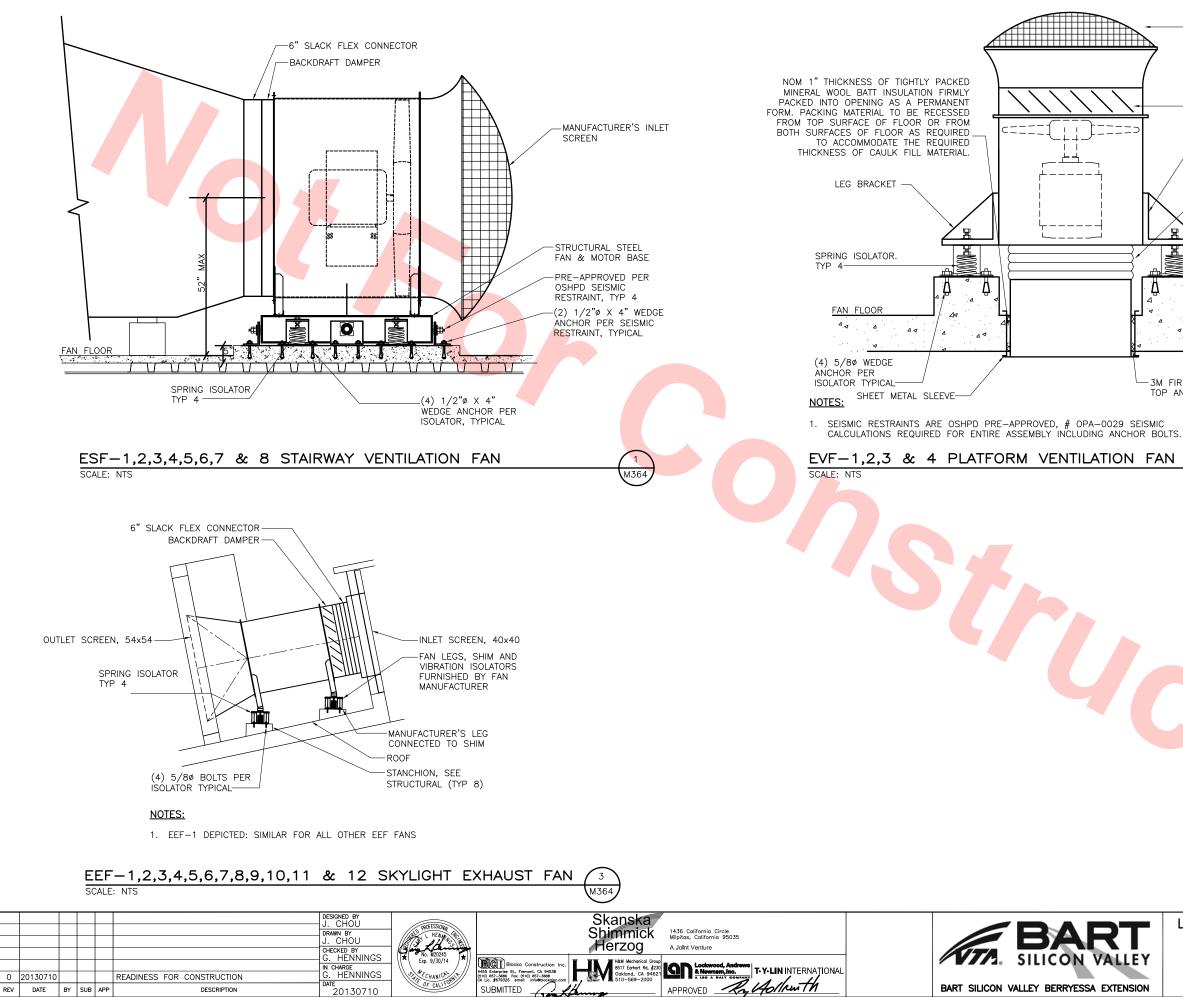




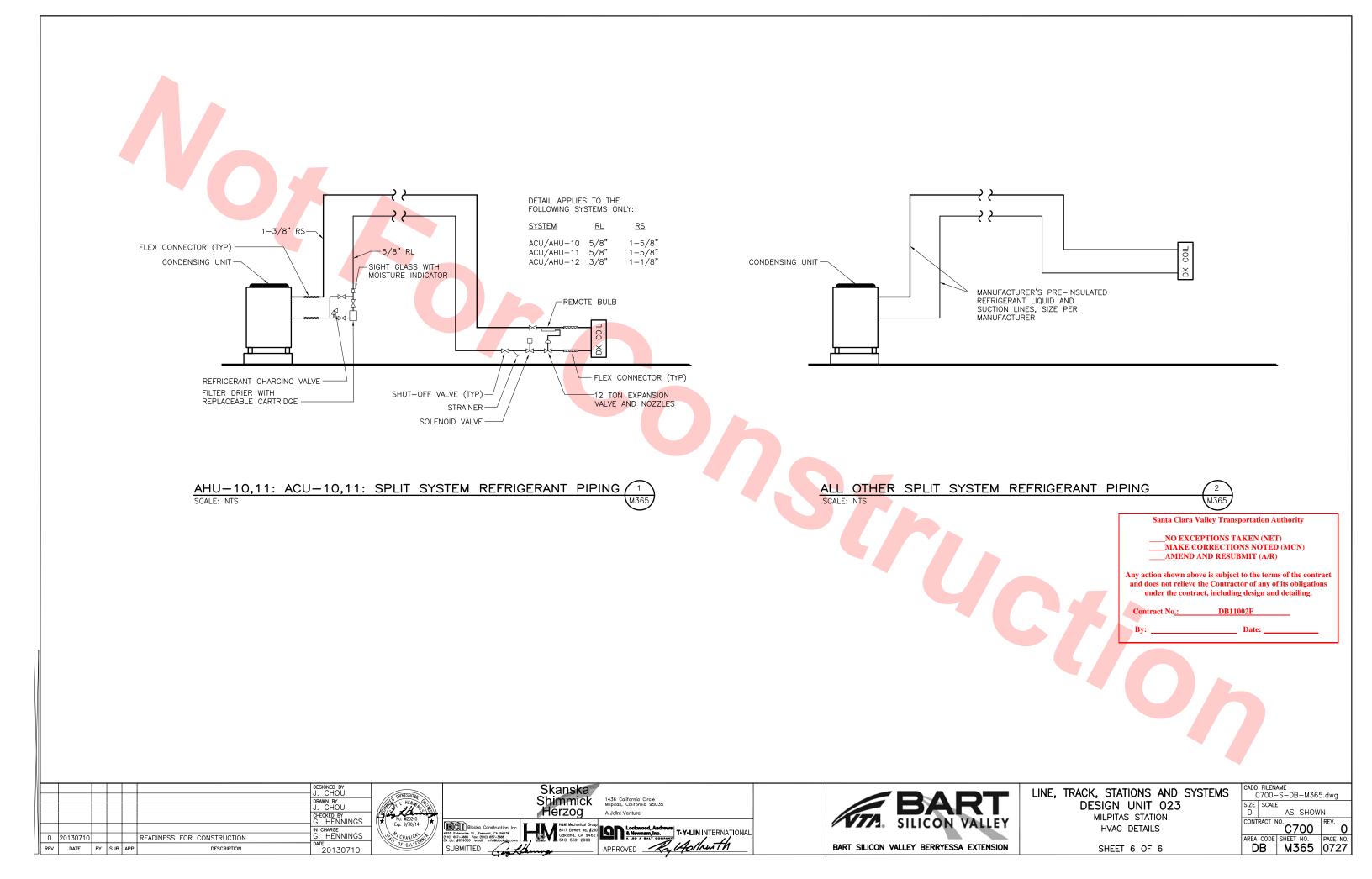


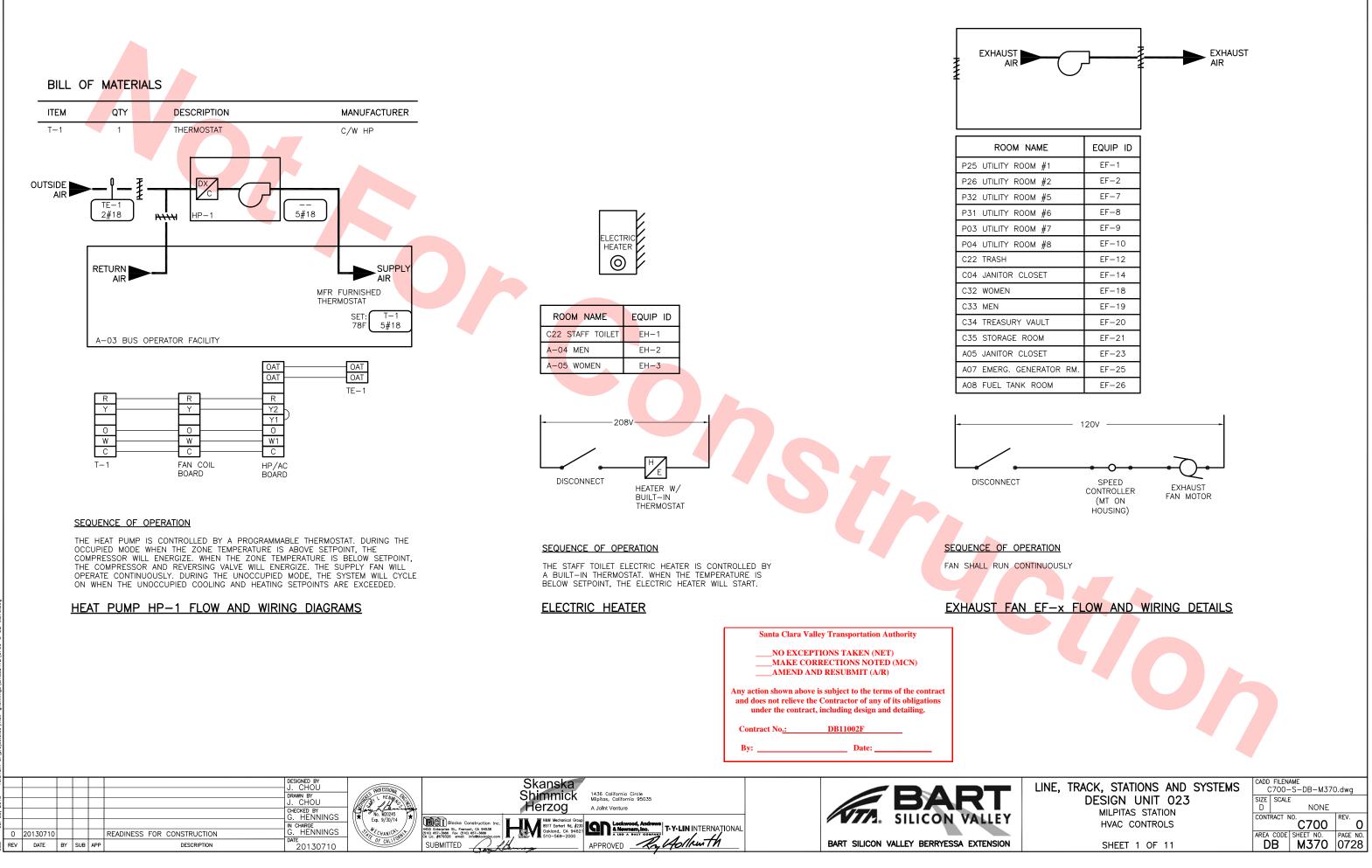






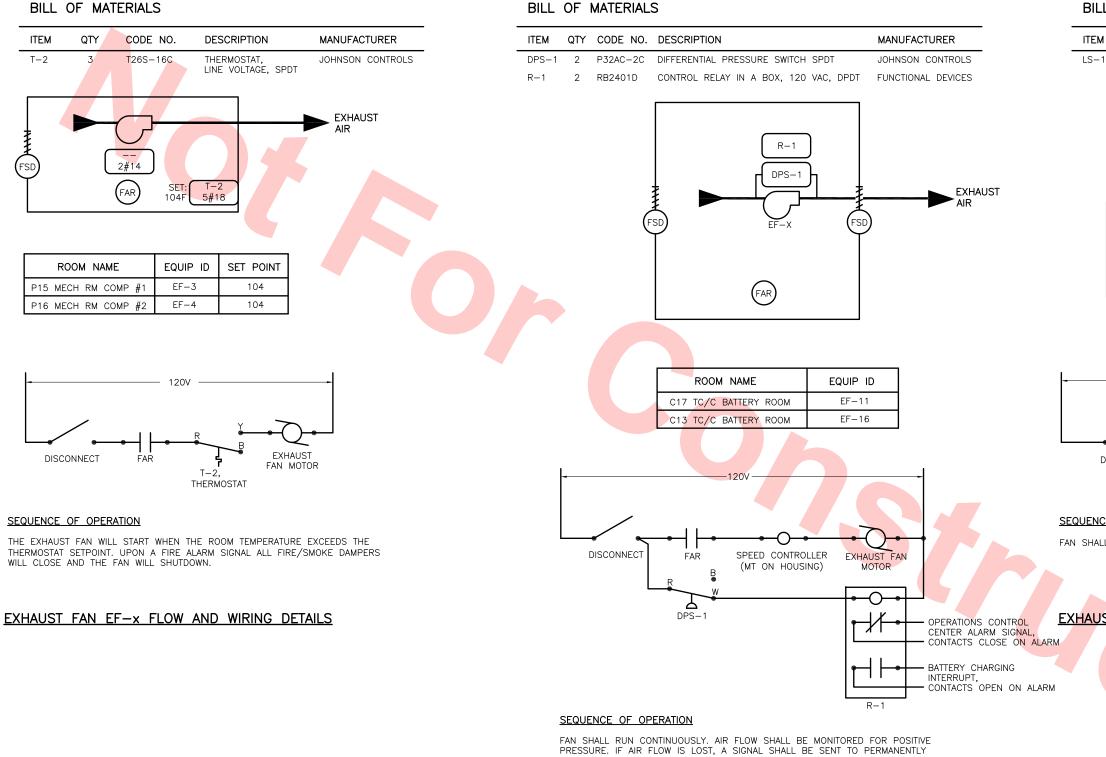
7	MANUFACTURER'S INLET SCREEN
3	COUNTER BALANCED BACKDRAFT DAMPER MANUFACTURER'S MOUNTING LEG BRACKET
ľ	12" SLACK FLEX CONNECTOR
	MANUFACTURER'S LEG BRACKET
	FIRE BARRIER CP 25WB+ CAULK, P AND BOTTOM
SMIC BC) LTS.
FA	N 2
	Santa Clara Valley Transportation Authority NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS 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:
	LINE, TRACK, STATIONS AND SYSTEMS
,	DESIGN UNIT 023 MILPITAS STATION
	HVAC DETAILS C700 0 AREA CODE SHEET NO. PAGE NO.
4	SHEET 5 OF 6 DB M364 0726





BART	SILICON	VALLEY	BERRYESSA	FXTENSION

BILL OF MATERIALS



MONITORED LOCATION (OPERATION CONTROL CENTER) AND SHALL INTERRUPT BATTERY CHARGING. ACTIVATION OF FIRE ALARM SHALL CLOSE ALL FIRE SMOKE DAMPERS AND FAN

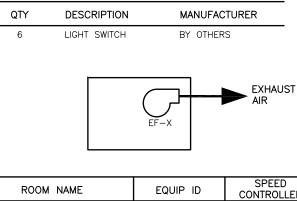
SHALL STOP.

EXHAUST FAN EF-x FLOW AND WIRING DETAILS

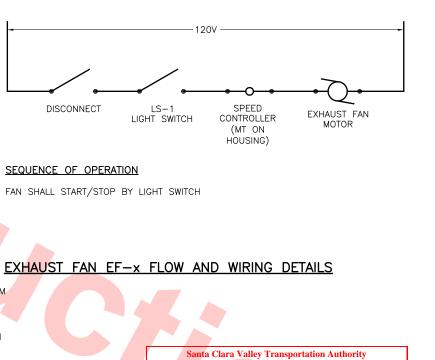




BILL OF MATERIALS



ROOM NAME	EQUIP ID	CONTROLLER
C26 LOCKER ROOM	EF-13	-
C27 RESTROOM	EF-15	-
AO4 MEN	EF-22	YES
A06 WOMEN	EF-24	YES



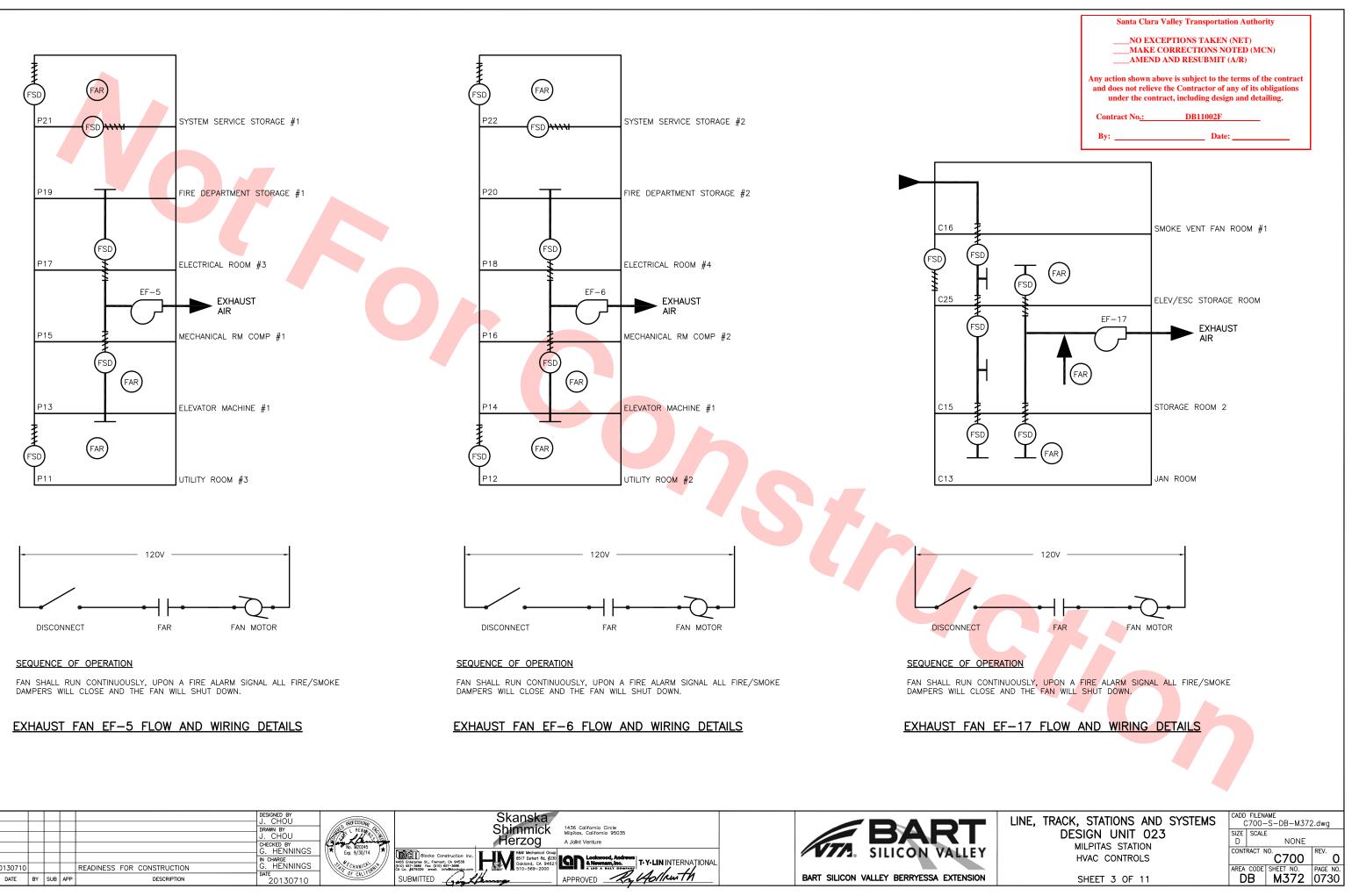


Any action shown above is subject to the terms of the contract and does not relieve the Contractor of any of its obligations under the contract, including design and detailing.

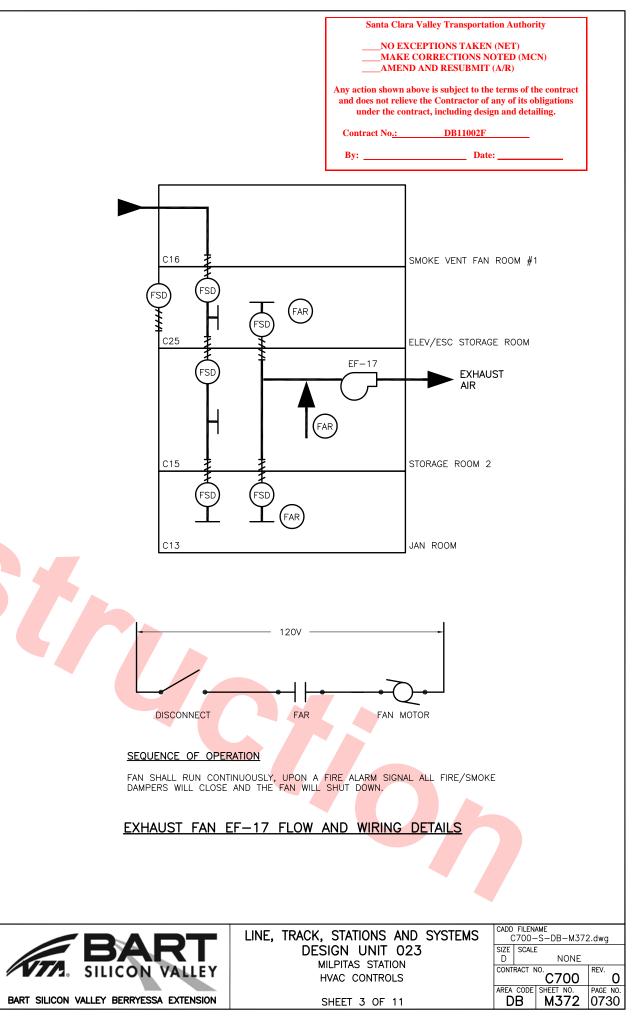
DB11002F Contract No .:

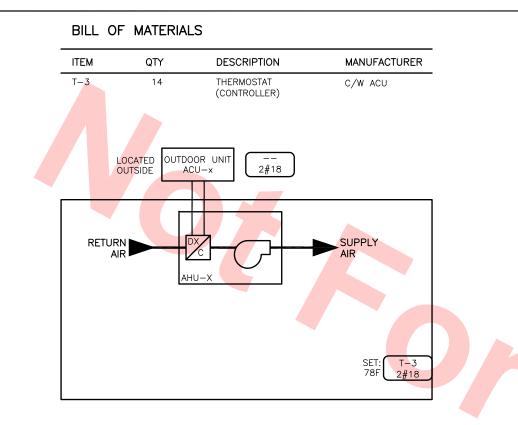
By:		Date: 🧕		

LINE, TRACK, STATIONS AND SYSTEMS		FILEN, 700-	ame -S-DB-M371	.dwg
DESIGN UNIT 023 MILPITAS STATION	size D	SCALE	NONE	
HVAC CONTROLS	CONT	RACT N	^{10.} C700	REV. 0
SHEET 2 OF 11	AREA D		SHEET NO. M371	PAGE NO.



						J. CHOU	000222300	Skanska	
						DRAWN BY	HENNA HENNA	Shimmick 1436 California Circle Milpitas, California 95035	
						J. CHOU	A and the second		
						G. HENNINGS	No. M20245		
						IN CHARGE	Exp. 9/30/14	BICII Blocka Construction Inc.	1
0	20130710				READINESS FOR CONSTRUCTION	G. HENNINGS	1 \\\	4455 Enterprise St., Fremont, CA 94538 (ort) 657-5886 For (St) 067-5888 (st), 667-5889 For (St) 067-5888 (st) 067-589-2000 For (St) 067-5898 (st) 067-569-2000 For (St) 067-589	
REV	DATE	BY	SUB	APP	DESCRIPTION	20130710	OF CALITO	SUBMITTED APPROVED APPROVED	ŧ





TB6	TB5	
P1	P1	
P2	P2	
		TB1
	F1	—— F1
	F2	F2
T-3	AHU-x	ACU-x

P23 ESCALATOR RM #1	AHU/ACU-1
P24 ESCALATOR RM #2	AHU/ACU-2
P13 ELEVATOR MACHINE #1	AHU/ACU-3
P14 ELEVATOR MACHINE #2	AHU/ACU-4
P07 ESCALATOR ROOM #3	AHU/ACU-7
P08 ESCALATOR ROOM #4	AHU/ACU-8
C10 MAINT ENGR OFFICE	AHU/ACU-14
CO8 POLICE ROOM	AHU/ACU-15
C36 EMP ROOM	AHU/ACU-16
C37 COMM TERM ROOM #1	AHU/ACU-17
C38 LOST & FOUND	AHU/ACU-18
CO7 COMM ROOM	AHU/ACU-20
POC 2 POC ESCALATOR CONTROL	AHU/ACU-21
POC 3 POC ELAVATOR MACHINE ROOM	AHU/ACU-22

EQUIP ID

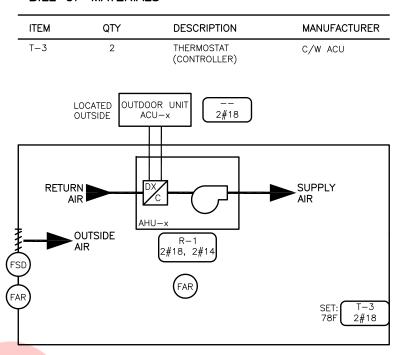
ROOM NAME

SEQUENCE OF OPERATION

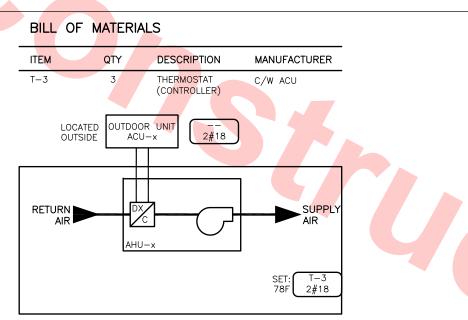
THE ROOM THERMOSTAT WILL CONTROL THE AIR CONDITIONING UNIT AND CONDENSING UNIT TO MAINTAIN THE ROOM COOLING TEMPERATURE SETPOINT.

AIR HANDLER UNIT AHU-x, CONDENSING UNIT ACU-x FLOW AND WIRING DIAGRAMS

BILL OF MATERIALS



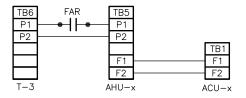
AIR HANDLER UNIT AHU-x, CONDENSING UNIT ACU-x FLOW AND WIRING DIAGRAMS



AIR HANDLER UNIT AHU-x, CONDENSING UNIT ACU-x FLOW AND WIRING DIAGRAMS



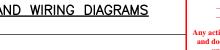




ROOM NAME	EQUIP ID
P09 COMM TERM RM #3	AHU/ACU-5
P10 COMM TERM RM #2	AHU/ACU-6

SEQUENCE OF OPERATION

THE ROOM THERMOSTAT WILL CONTROL THE AIR CONDITIONING UNIT AND CONDENSING UNIT TO MAINTAIN THE ROOM TEMPERATURE SETPOINT. UPON A FIRE ALARM SIGNAL ALL FIRE/SMOKE DAMPERS WILL CLOSE AND THE FAN WILL SHUTDOWN.



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

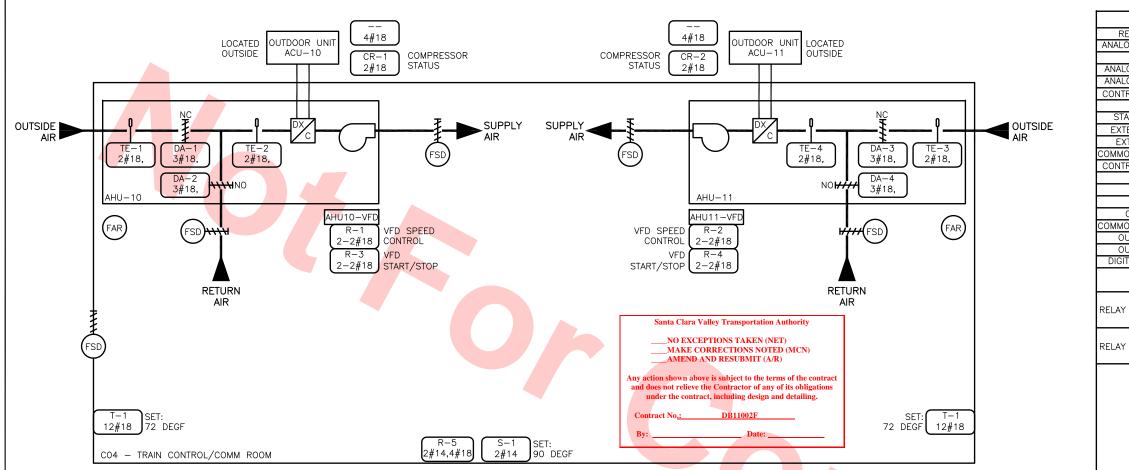
TDO	TOF		Dy;	
TB6	TB5			
P1	 P1			
P2	 P2			
				TB1
	F1			F1
	F2			F2
T-3	HU->	ć		

ROOM NAME	EQUIP ID
C19 GROUDS MAINT OFFICE	AHU/ACU-9
C14 TELCO RM	AHU/ACU-13
COX STATION AGENTS BOOTH	AHU/ACU-19

SEQUENCE OF OPERATION

THE ROOM THERMOSTAT WILL CONTROL THE AIR CONDITIONING UNIT AND CONDENSING UNIT TO MAINTAIN THE ROOM COOLING AND HEATING TEMPERATURE SETPOINTS.

	LINE, TRACK, STATIONS AND SYSTEMS	CADD C		AME -S-DB-M37	3.dwg
	DESIGN UNIT 023 MILPITAS STATION	SIZE D	SCALE	NONE	
·	HVAC CONTROLS	CONTR	RACT N	^{ю.} C700	REV. 0
	SHHET 4 OF 11	area D		SHEET NO. M373	PAGE NO. 0731



BILL OF MATERIALS

ITEM	QTY	CODE NO.	DESCRIPTION	MANUFACTURER
CR-1,2	2	H908	CURRENT SENSING RELAY, SPST	VERIS
DA-1 TO 4	4	M9208-GGA-2	DAMPER ACTUATOR, 0/10 VDC, SPRING	JOHNSON CONTROLS
R-1, 2	2	RH2B-ULDC24V	CONTROL RELAY, 24 VDC, 2PDT, LIGHT	IDEC
R-1, 2	2	SH2B-05	CONTROL RELAY BASE, 2PDT	IDEC
R-3, 4	2	RH2B-ULDC24V	CONTROL RELAY, 24 VAC, 2PDT, LIGHT	IDEC
R-3, 4	2	SH2B-05	CONTROL RELAY BASE, 2PDT	IDEC
R-5	1	RIB2401D	CONTROL RELAY IN A BOX, 120 VAC, DPDT	FUNCTIONAL DEVICES
S-1	1	T26S-18C	LINE VOLTAGE TEMPERATURE SWITCH, SPDT	JOHNSON CONTROLS
S-1	1	PLT333-3R	BLANK VERTICAL FACEPLATE	JOHNSON CONTROLS
⊤−1	2	T600MEP-4	PROGRAMMABLE THERMOSTAT, ECONOMIZER	JOHNSON CONTROLS
TE-1 TO 4	4	TE-6361M-1	TEMPERATURE SENSOR, DUCT	JOHNSON CONTROLS

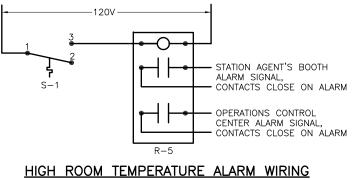
VARIABLE FREQUENCY DRIVE (VFD) SCHEDULE

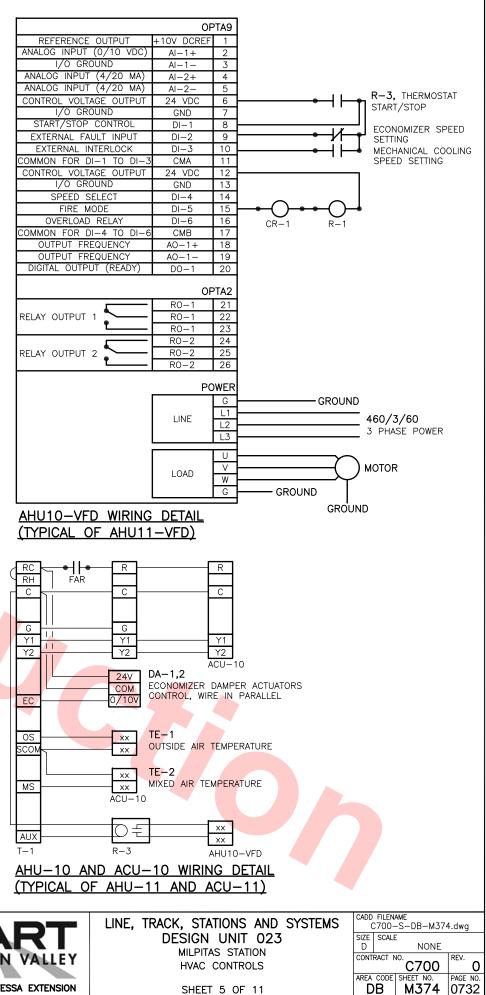
ITEM	VFD MANUFACTURER	VFD MODEL NO.	NEMA RATING	CFM	HP	VOLT	PHASE	HERTZ
AHU10-VFD	JOHNSON CONTROL	VS005432A	NEMA 3R	4,400	5	460	3	60
AHU11-VFD	JOHNSON CONTROL	VS005432A	NEMA 3R	4,400	5	460	3	60

SEQUENCE OF OPERATION

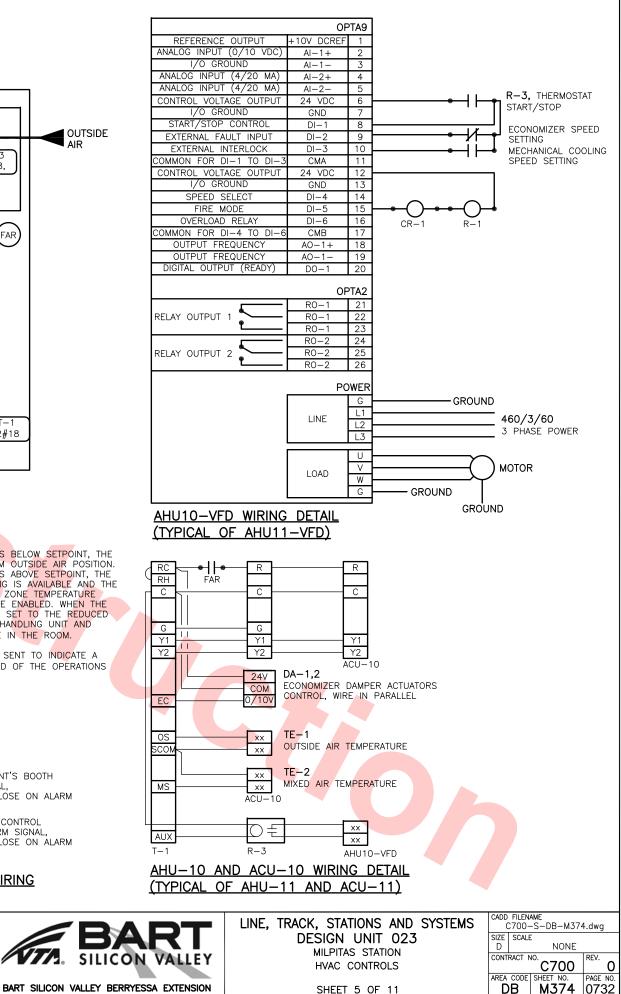
DURING THE OCCUPIED MODE WHEN THE ZONE TEMPERATURE IS BELOW SETPOINT, THE DURING THE OCCUPIED MODE WHEN THE ZONE TEMPERATURE IS BELOW SEIPOINT, THE ECONOMIZER DAMPERS SHALL MODULATE TOWARDS THE MINIMUM OUTSIDE AIR POSITION. DURING THE OCCUPIED MODE WHEN THE ZONE TEMPERATURE IS ABOVE SETPOINT, THE ECONOMIZER DAMPERS SHALL MODULATE OPEN IF FREE COOLING IS AVAILABLE AND THE FAN SPEED SHALL INCREASE TO MAXIMUM CFM RATING. IF THE ZONE TEMPERATURE REMAINS ABOVE SET POINT, THE DX COOLING SYSTEM SHALL BE ENABLED. WHEN THE DX COOLING SYSTEM IS ACTIVE, THE SUPPLY FAN VFD WILL BE SET TO THE REDUCED CFM RATING. THE FM200 SYSTEM SHALL SHUTDOWN THE AIR HANDLING UNIT AND CLOSE THE FIRE/SMOKE DAMPERS UPON DETECTION OF SMOKE IN THE ROOM.

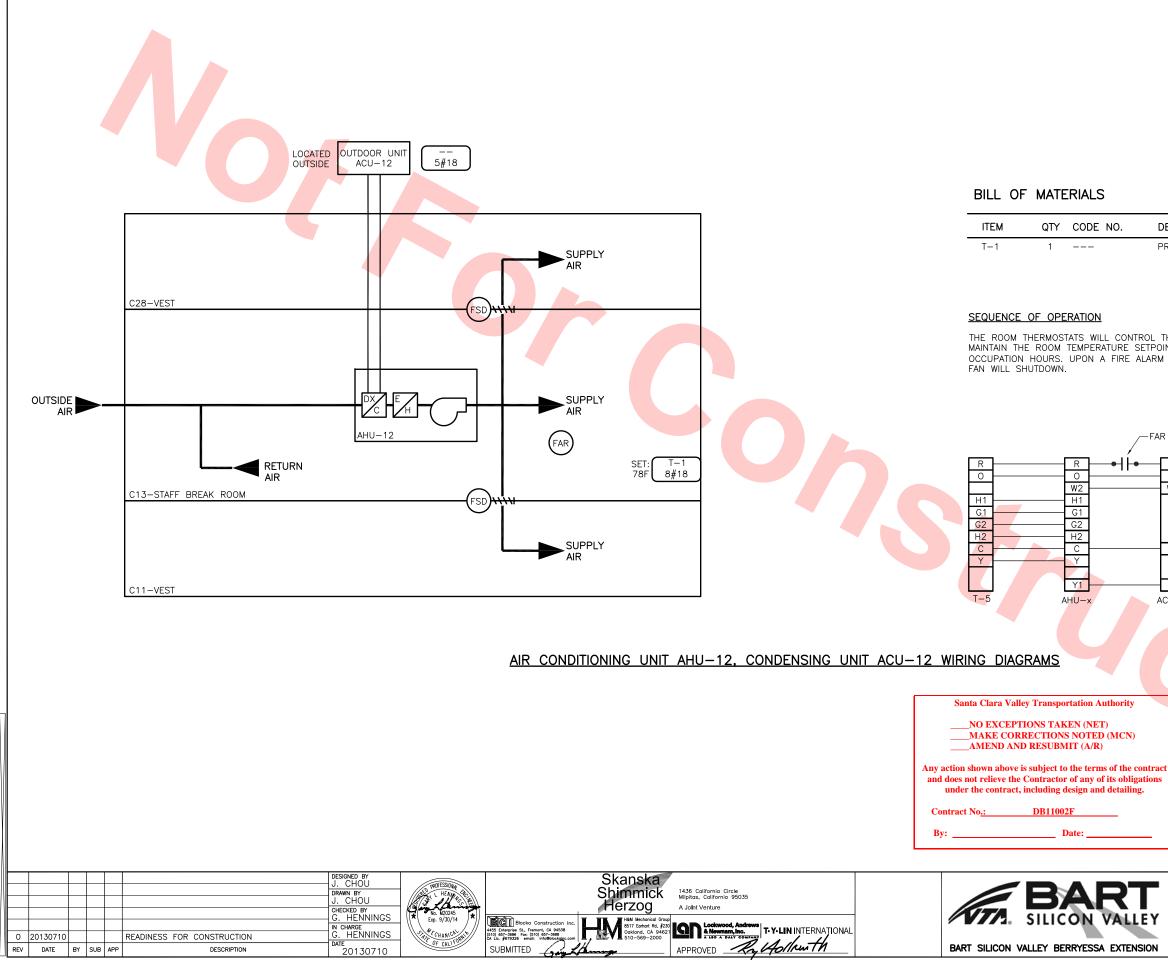
WHEN ROOM TEMPERATURE EXCEEDS 90°F A SIGNAL SHALL BE SENT TO INDICATE A HIGH TEMPERATURE ALARM AT THE STATION AGENT'S BOOTH AND OF THE OPERATIONS CONTROL CENTER.





SIGNED BY CHOU Skanska Shimmick 1436 California Circle Milpitas, California 95035 drawn by J. CHOU No. M20245 Exp. 9/30/14 Herzog A Joint Venture CHECKED BY G. HENNINGS Blocka Construction Inc. 4455 Enterprise St., Fremont, CA 94538 (510) 657–3686 Fax: (510) 657–3688 CA Lic. #679326 email: info@blockarc.com HM . HENNI<u>NGS</u> 0 20130710 READINESS FOR CONSTRUCTION . Addrew th Ra REV DATE BY SUB APP SUBMITTED Gingth APPROVED DESCRIPTION 20130710





DESCRIPTION

PROGRAMMABLE THERMOSTAT

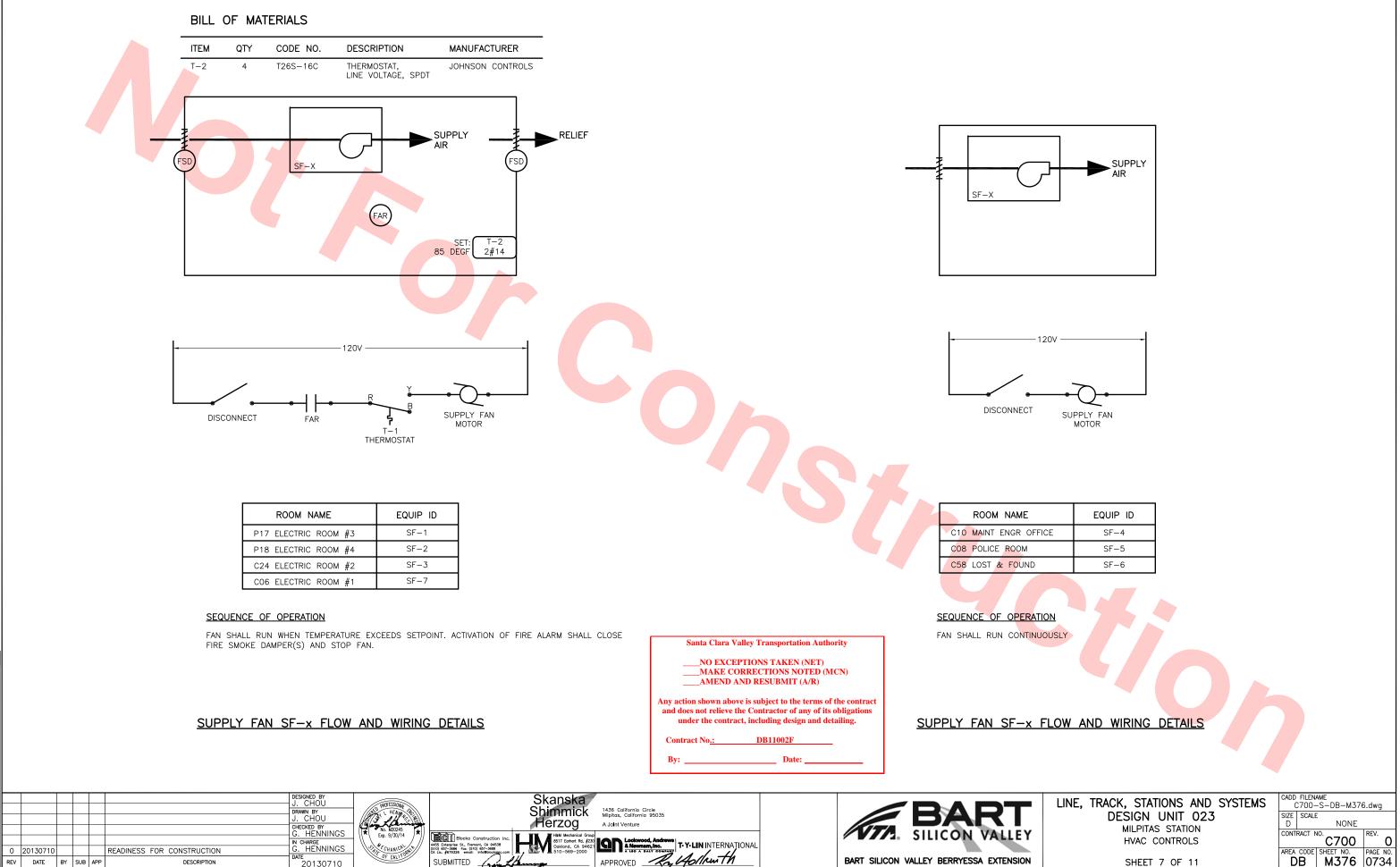
MANUFACTURER

C/W ACU

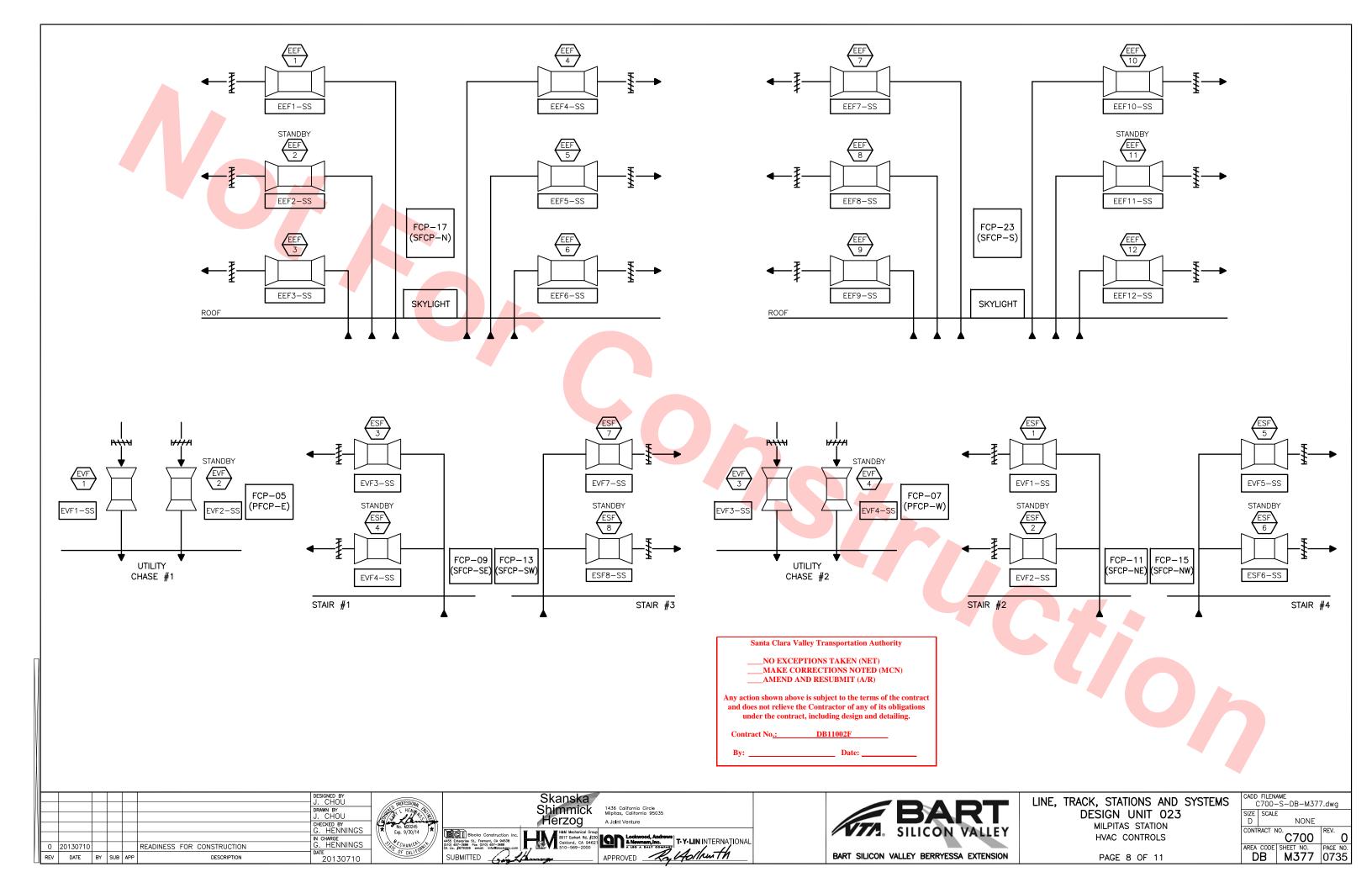
THE ROOM THERMOSTATS WILL CONTROL THE AIR CONDITIONING UNIT AND CONDENSING UNIT TO MAINTAIN THE ROOM TEMPERATURE SETPOINT. THE AHU WILL OPERATE CONTINUOUSLY DURING OCCUPATION HOURS. UPON A FIRE ALARM SIGNAL ALL FIRE/SMOKE DAMPERS WILL CLOSE AND THE

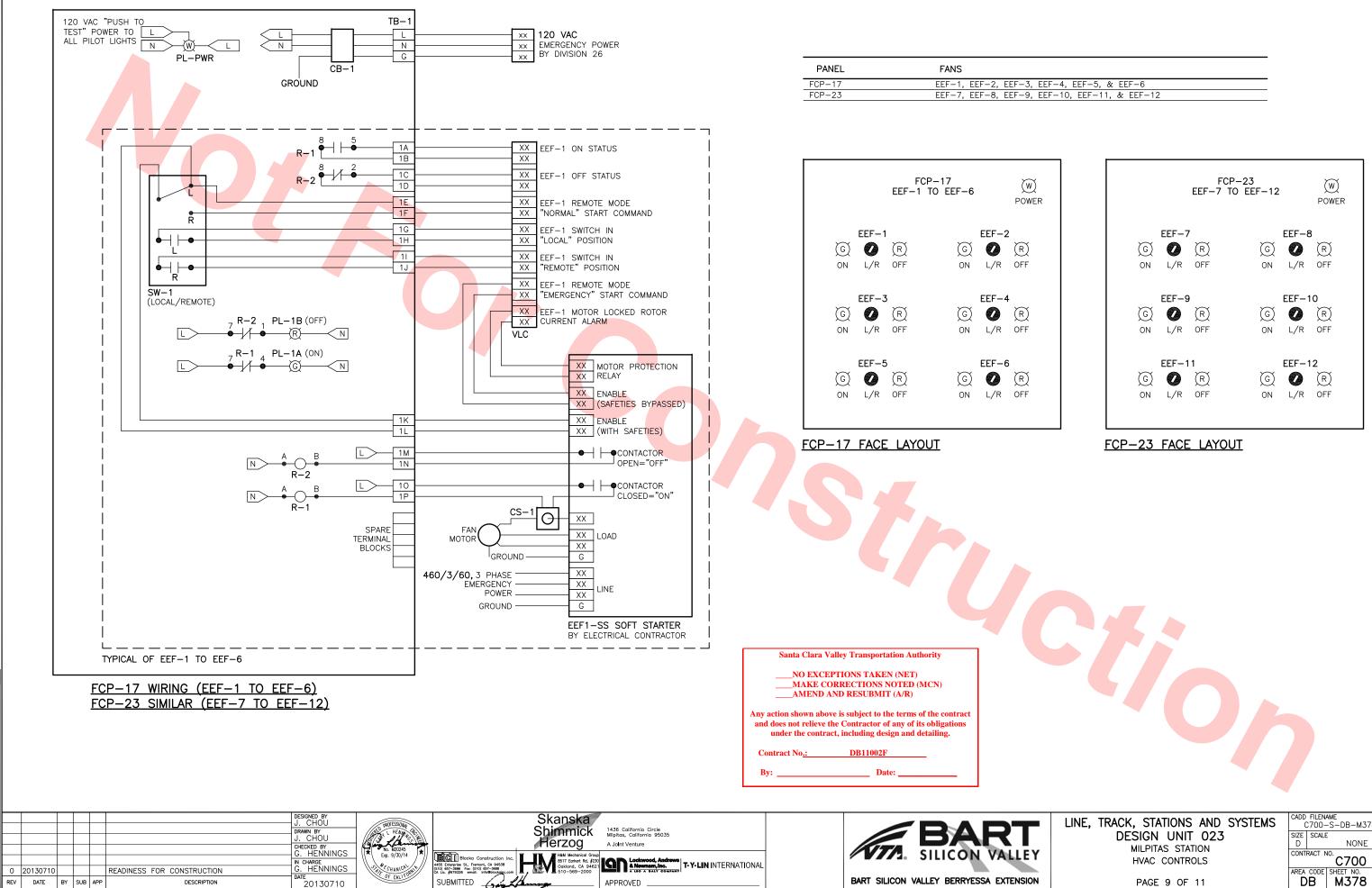
R 0 W2 С Y ACU-x

eact				
	LINE, TRACK, STATIONS AND SYSTEMS		-S-DB-M375	5.dwg
	DESIGN UNIT 023	SIZE SCALE D	E NONE	
(MILPITAS STATION HVAC CONTROLS	CONTRACT N	^{10.} C700	REV.
•		AREA CODE	SHEET NO.	PAGE NO.
١	SHEET 6 OF 11	DB	M375	0733

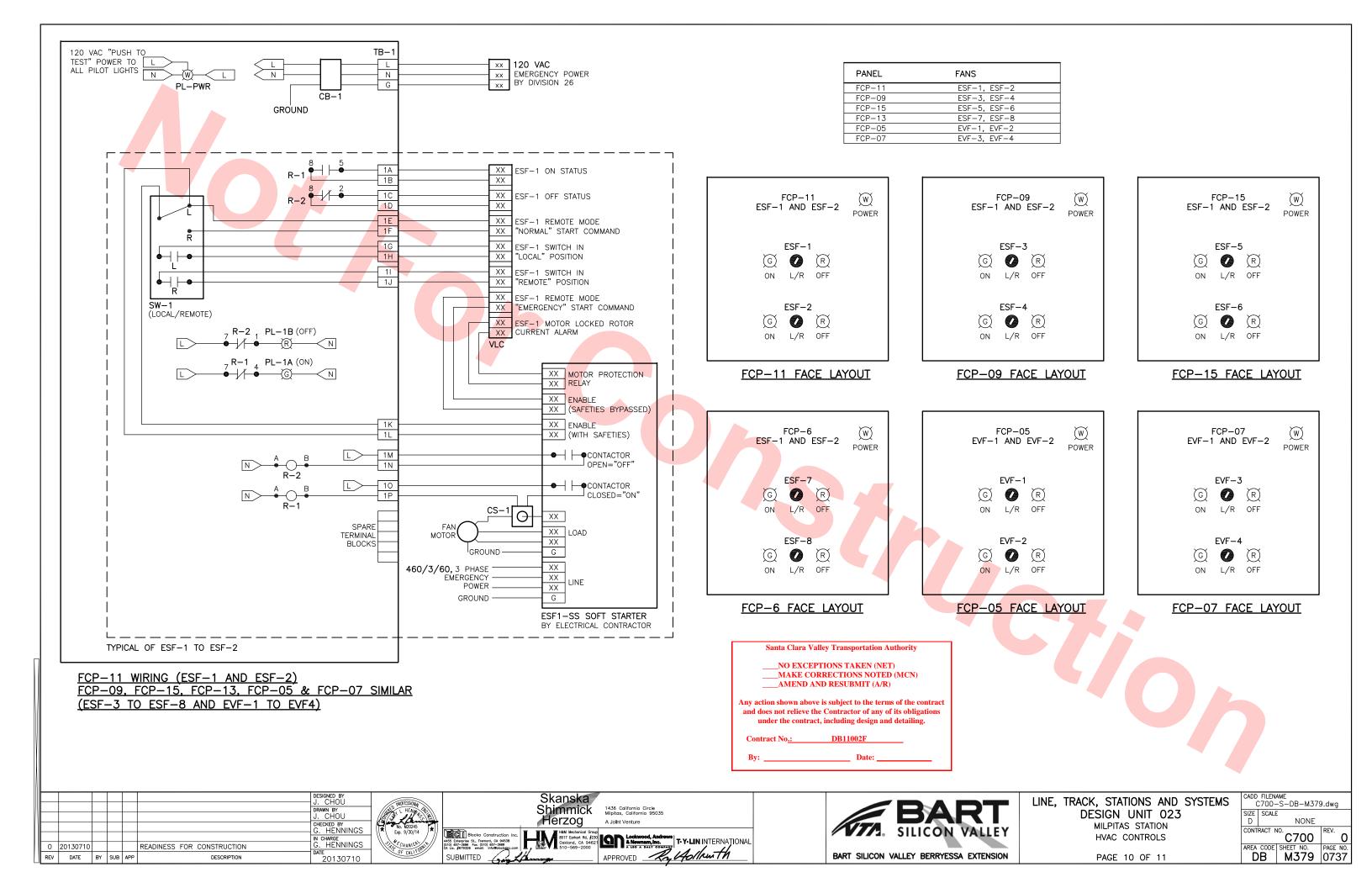


				DRAWN BY J. CHOU CHECKED BY G. HENNINGS	No. W20245	5	BA
				IN CHARGE G. HENNINGS		Hall Mechanical Group Method Response Tr. Friender, Kon 194538 Construction Inc. Method Response Tr. Y-LIN INTERNAŢIONAL	SILICO
10	DY 011D		READINESS FOR CONSTRUCTION	DATE	OF CALIFORN		BART SILICON VALLEY BERRY
	BY SUB	APP	DESCRIPTION	20130710		SUBMITTED APPROVED	BART SILICON VALLET BERRT





LINE, TRACK, STATIONS AND SYSTEMS	wg
DESIGN UNIT 023	
MILPITAS STATION	
HVAC CONTROLS	O GE NO.
	736



BILL OF MATERIALS

ITEM	QTY	CODE NO.	DESCRIPTION	MANUFACTURER
FCP	8	A242408LP	PANEL, NEMA 12, 24"X24"X8"	HOFFMAN
FCP	8	A24P24	PERFORATED BACKPLATE, 21"X21"	HOFFMAN
CB-1	8	PSMN01SB10	CIRCUIT BREAKER, 10 AMP	FUNCTIONAL DEVICES
CS-1	24	H909HV	CURRENT SENSING RELAY, LINE VOLTAGE CONTACT	VERIS INDUSTRIES
PL-PWR	8	CR104PLT82W	PILOT LIGHT, PUSH-TO-TEST, 120VAC, LED, WHITE	GENERAL ELECTRIC
PL-xA	24	CR104PLT82R	PILOT LIGHT, PUSH-TO-TEST, 120VAC, LED, RED	GENERAL ELECTRIC
PL-xB	24	CR104PLT82G	PILOT LIGHT, PUSH-TO-TEST, 120VAC, LED, GREEN	GENERAL ELECTRIC
R-1, 2	16	RR3B-ULC-AC120V	CONTROL RELAY, 3PDT, LIGHT, PUSH-TO-TEST	IDEC
R-1, 2	16	SR3B-05	CONTROL RELAY BASE, 3PDT	IDEC
SW-X	24	CR104PSG21B92	2-POSITION SWITCH, MAINTAINED, 2PDT	GENERAL ELECTRIC
TB-1	576	1492-H	TERMINAL BLOCK, 600 VAC, 30 AMP, FINGER-SAFE	ALLEN-BRADLEY

OVERALL SEQUENCE OF OPERATION OF SMOKE EXHAUST SYSTEM:

(FOR INFORMATION PURPOSES ONLY)

UPON SIGNAL FROM VLC PANEL (LOCATED IN EMP ROOM) THE FOLLOWING SEQUENCE STEPS SHALL BE INITIATED:

- STEP 1 ALL SKYLIGHT FANS (5 FANS AT EACH SKYLIGHT WELL) SHALL START. IN THE EVENT OF A FAILURE OF A FAN, THE STANDBY FAN SHALL BE STARTED.
- STEP 2 15 SECONDS AFTER STEP 1: STAIRWAY FAN ESF-1 SHALL BE STARTED. IF AFTER 5 SECONDS THE FAN HAS FAILED TO START, ESF-2 SHALL BE INITIATED.
- STEP 3 15 SECONDS AFTER STEP 2: STAIRWAY FAN ESF-3 SHALL BE STARTED. IF AFTER 5 SECONDS THE FAN HAS FAILED TO START, ESF-4 SHALL BE INITIATED.
- STEP 4 15 SECONDS AFTER STEP 3, STAIRWAY FAN ESF-5 SHALL BE STARTED. IF AFTER 5 SECONDS AND FAN HAS FAILED TO START, ESF-6 SHALL BE INITIATED.
- STEP 5 15 SECONDS AFTER STEP 4, STAIRWAY FAN ESF-7 SHALL BE STARTED. IF AFTER 5 SECONDS AND FAN HAS FAILED TO START, ESF-8 SHALL BE INITIATED.
- STEP 6 15 SECONDS AFTER STEP 5, PLATFORM FANS EVF-1 AND EVF-3 SHALL START, IF AFTER 5 SECONDS THE FAN(S) HAS FAILED TO START THE ASSOCIATED STANDBY FAN(S) EVF-2 OR EVF-4 SHALL RESPECTFULLY START.

SEQUENCE OF OPERATION (OPERATION STATUS, TYPICAL OF ALL FANS)

THE FAN IS CONTROLLED BY A PANEL MOUNTED "LOCAL/REMOTE" SWITCH. WHEN THE SWITCH IS PLACED IN THE "LOCAL" POSITION, THE FAN SHALL START. WHEN THE SWITCH IS PLACED IN THE "REMOTE" POSITION, THE FAN SHALL START WHEN THE VLC PANEL ISSUES A "NORMAL" START COMMAND. IF THE FAN MOTOR LOCKED ROTOR CURRENT OCCURS FOR 30 SECONDS AS DETECTED BY THE MOTOR PROTECTION RELAY, THE FAN SHALL SHUTDOWN.

THE FAN SHALL START REGARDLESS OF THE "LOCAL/REMOTE" SWITCH POSITION WHEN THE VLC PANEL ISSUES AN "EMERGENCY" START COMMAND. THE "EMERGENCY" START COMMAND IS WIRED TO THE SOFT STARTER TO BYPASS THE FAN MOTOR PROTECTION DEVICES.

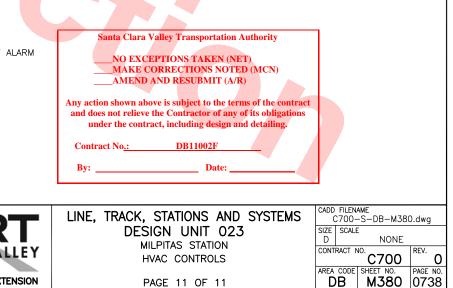
THE FAN RUNNING STATUS SHALL BE DETERMINED BY VERIFYING THAT THE FAN CONTACTOR IS CLOSED AND THE FAN CURRENT EXCEEDS A PRESET SETPOINT. THE FAN STOPPED STATUS SHALL BE DETERMINED BY VERIFYING THAT THE FAN CONTACTOR IS DE-ENERGIZED.

THE FOLLOWING POINTS SHALL BE RECEIVED SENT BY THE VLC PANEL:

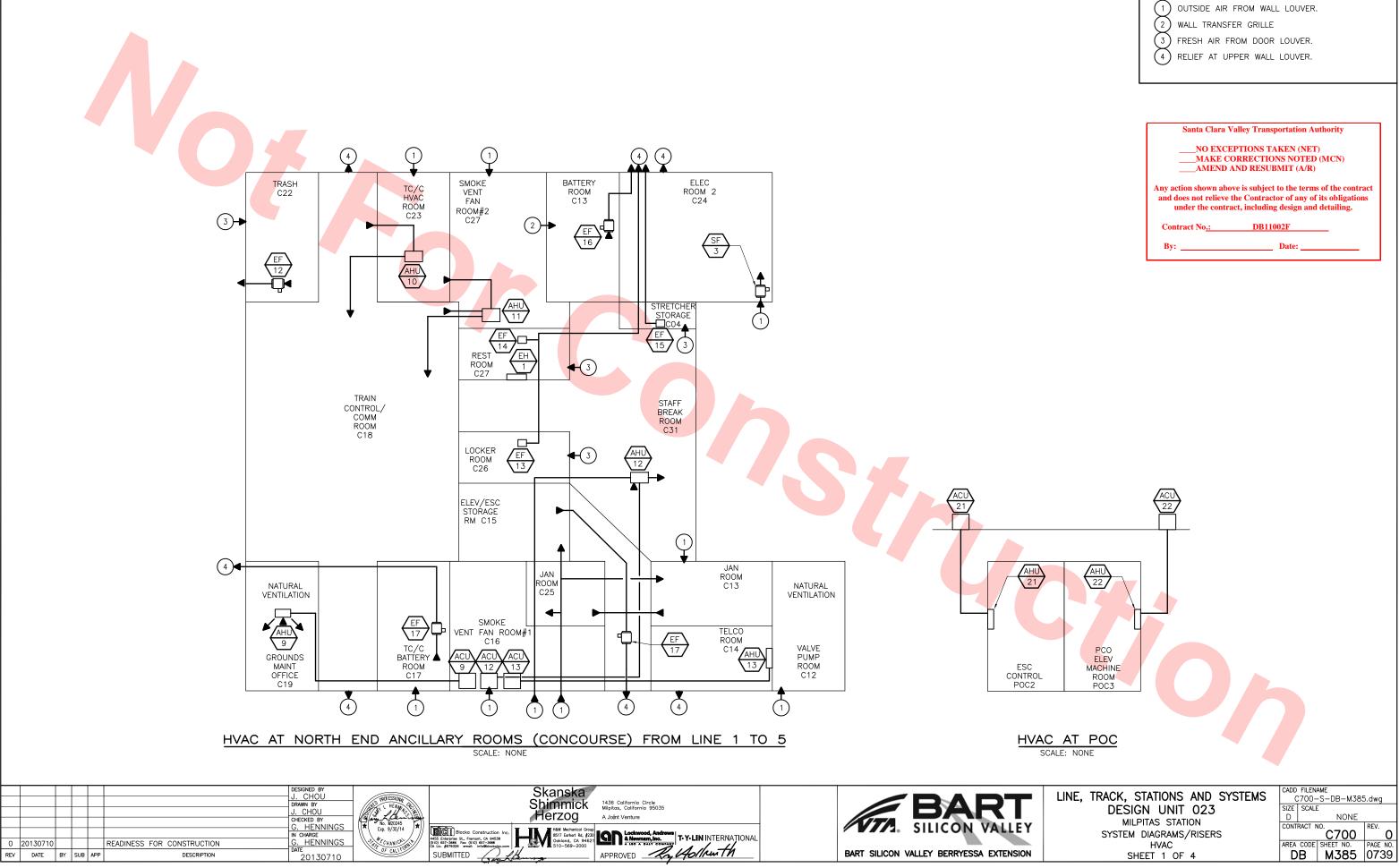
POINT TYPE	DESCRIPTION
DI	FAN ON STATUS
DI	FAN OFF STATUS
DI	FAN SWITCH IN LOCAL POSITION
DI	FAN SWITCH IN REMOTE POSITION
DI	FAN MOTOR LOCKED ROTOR CURRENT ALARM
DO	NORMAL START/STOP COMMAND
DO	NORMAL START/STOP COMMAND
DO	EMERGENCY START/STOP COMMAND

DI = DIGITAL INPUT TO VLC PANEL DO = DIGITAL OUTPUT FROM VLC PANEL

						J. CHOU	PROFESSIONA	Skanska	
	_			_		DRAWN BY J. CHOU	HENNY A CHE	Shimmick 1436 California Circle Mipitas, California 95035	
						CHECKED BY	No. W20245	Herzog A Joint Venture	
						G. HENNINGS	Exp. 9/30/14	Lockwood, Andrews 4455 Enterprise St., Frement, Co. 34538 (10) 657-568 for (10) 657-368 for (10) 657-368 for (10) for (1	SILICON VA
	0 2	0130710			READINESS FOR CONSTRUCTION	G. HENNINGS	CHANICAL MICH	CA Lic. #679326 email: info@blockginc.com E, Lice Y E 510-569-2000	
F	REV	DATE	BY SUB A	PP	DESCRIPTION	20130710	C OF CALLFOR	SUBMITTED APPROVED APPROVED	BART SILICON VALLEY BERRYESSA EX

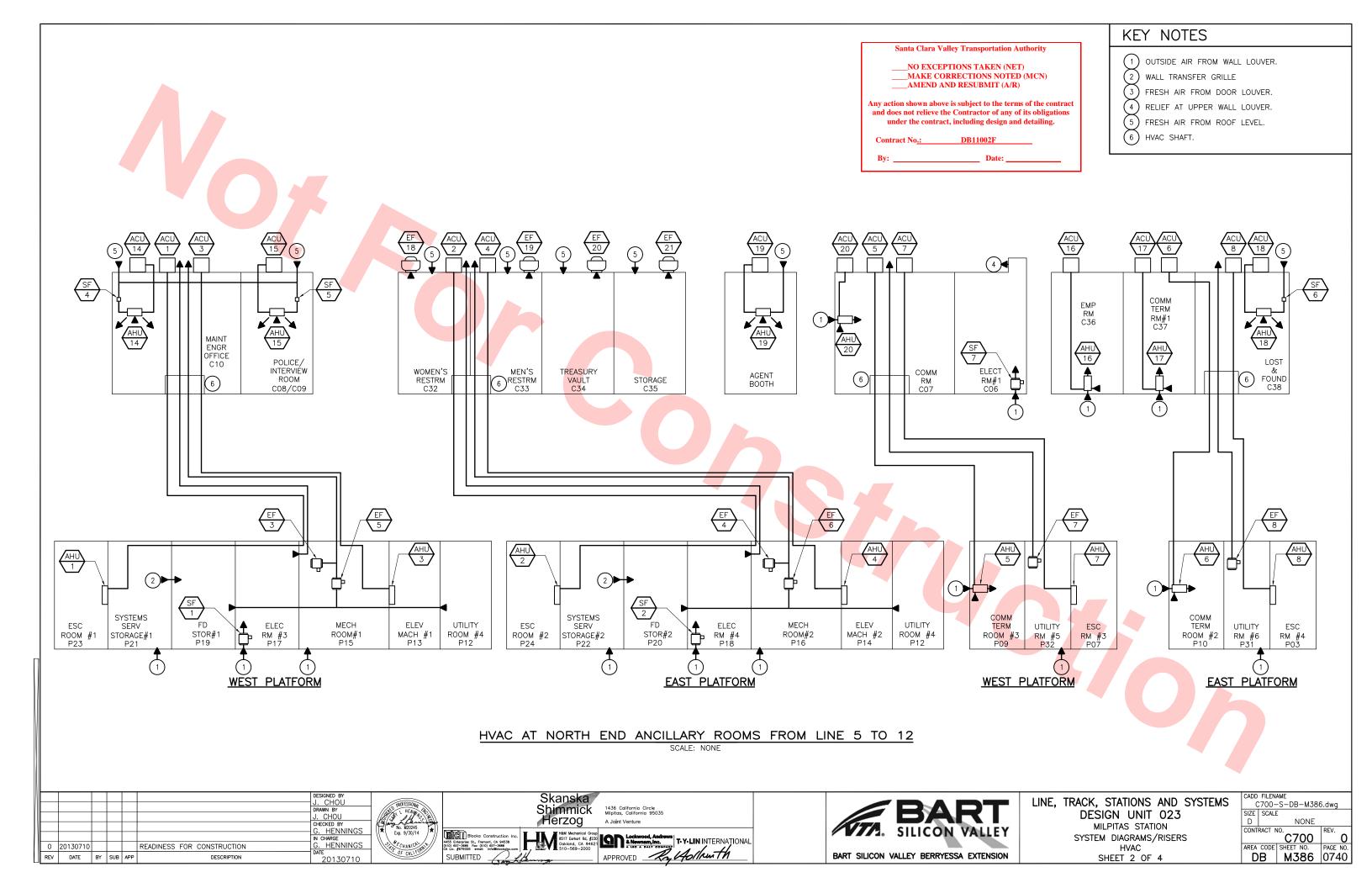


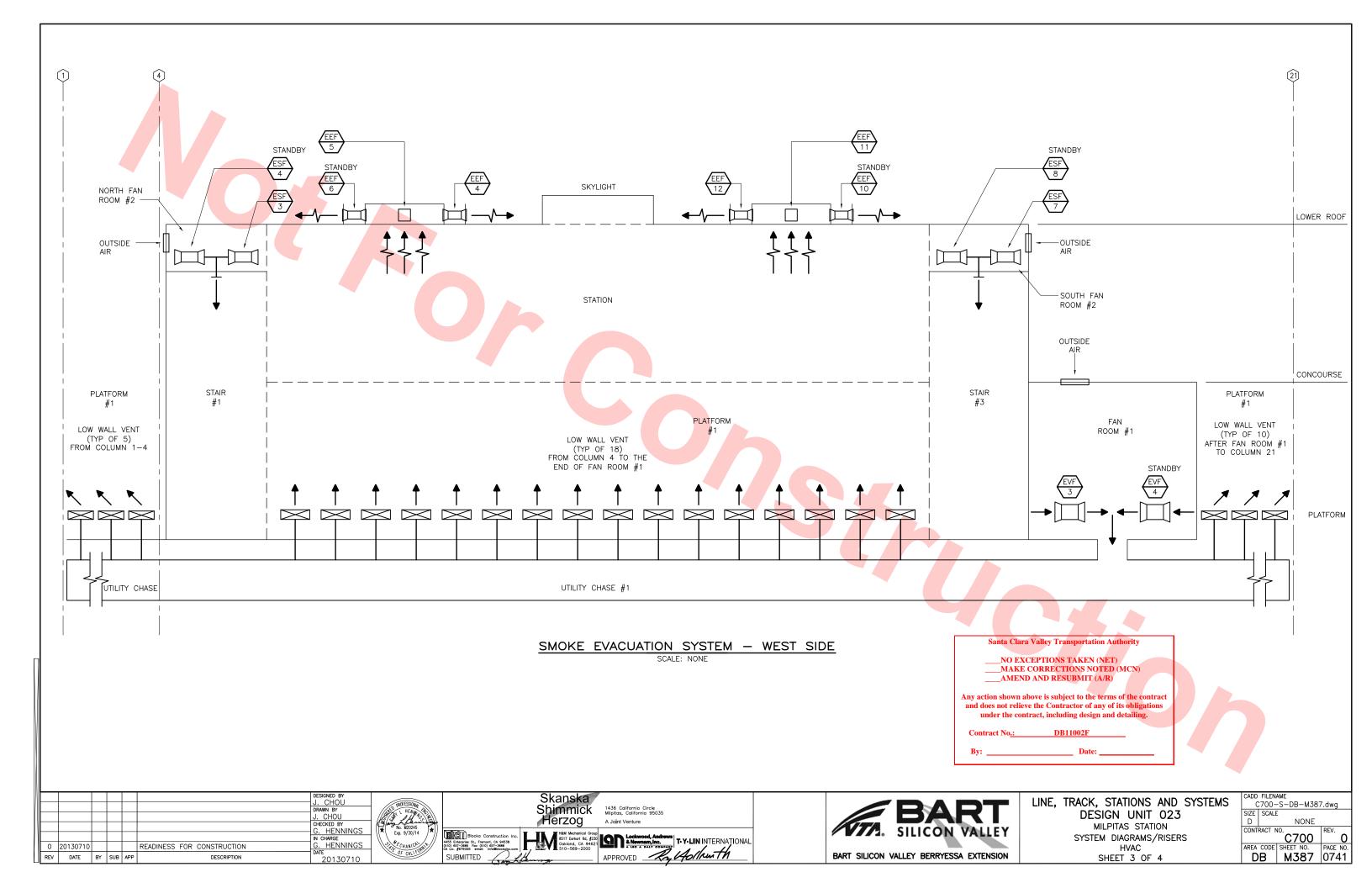
PAGE 11 OF 11

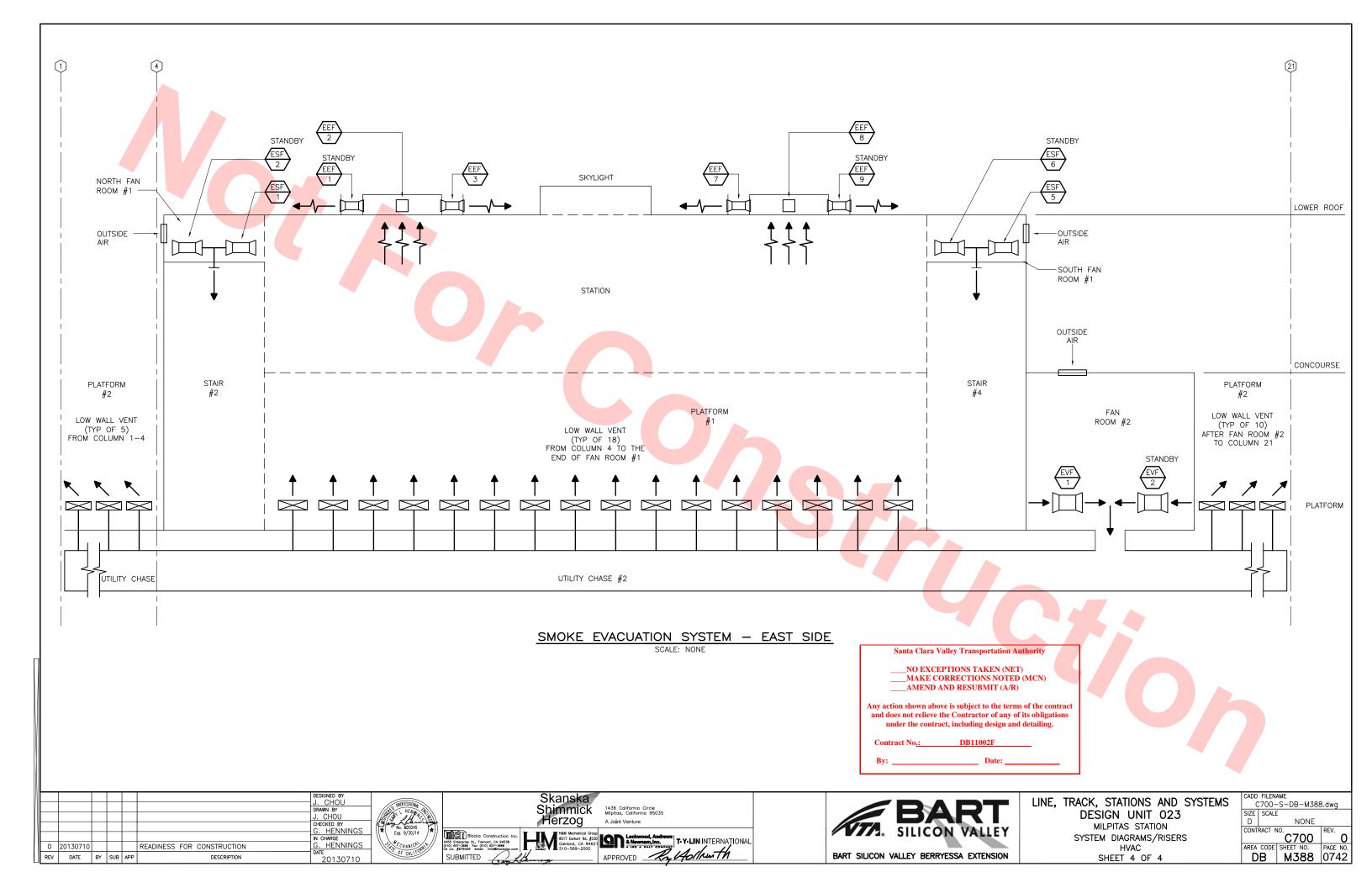


KEY NOTES

Santa Clara V	alley Transportation Authority
NO EXCE	PTIONS TAKEN (NET)
MAKE CO	DRRECTIONS NOTED (MCN)
AMEND A	ND RESUBMIT (A/R)
and does not relieve	ve is subject to the terms of the contract he Contractor of any of its obligations ct, including design and detailing.
Contract No <u>.:</u>	DB11002F
By:	Date:







EQUIP ID	AREA SERVED	MFR	MODEL NO -	SUPPL	Y FAN		NET TOTAL COOLING	NET TOTAL HEATING	AUXILIARY ELECT HTR	VOLT/PH/HZ	MIN CIRCUIT	MAX	CONDENSATE DRAIN LINE	OPER WEIGHT	R
	AREA SERVED	MITIN	MODEL NO	CFM HI-LOW	ESP INWC	HP		CAPACITY @ ARI (BTUH)	(KW)	VOLI71117112	AMPS	PROTECTION	SIZE	(LBS)	
AHU-1	ESCALATOR RM #1 P23	DAIKIN	FAQ18PVJU	500-400	-	1/12	18,000	-	-	208/1/60	0.4	15	1	80	
AHU-2	ESCALATOR RM #2 P24	DAIKIN	FAQ18PVJU	500-400	-	1/12	18,000	-	-	208/1/60	0.4	15	1	80	
AHU-3	ELEVATOR MACHINE #1 P13	DAIKIN	FAQ24PVJU	635-470	_	1/6	24,000	-	-	208/1/60	0.6	15	1	80	
AHU-4	ELEVATOR MACHINE #2 P14	DAIKIN	FAQ24PVJU	635-470	-	1/6	24,000	-	-	208/1/60	0.6	15	1	80	
AHU-5	COMM TERM RM #3 P09	DAIKIN	FBQ18PVJU	635-529	-	1/12	18,000	20,000	-	208/1/60	1.6	15	1	80	MERV 8 FILTERS W/ F
AHU-6	COMM TERM RM #2 P10	DAIKIN	FBQ18PVJU	635-529	-	1/12	18,000	20,000	-	208/1/60	1.6	15	1	80	7
AHU-7	ESCALATOR RM #3 P07	DAIKIN	FAQ18PVJU	500-400	_	1/12	18,000	-	-	208/1/60	0.4	15	1	80	
AHU-8	ESCALATOR RM #4 P08	DAIKIN	FAQ18PVJU	500-400	_	1/12	18,000	-	-	208/1/60	0.4	15	1	80	
AHU-9	GRNDS MAINT OFFICE C19	DAIKIN	FCQ18PVJU	560-390	-	1/12	18,000	21,600	-	208/1/60	1.6	15	1	80	MERV 11 FILTERS, EXT
AHU-10	TRAIN CONTROL/COMM C18	McQUAY	CAH010GDAC	4,400-3,000	1.5	5	72,330	-	-	460/3/60	22.2	25	1	2,350	MERV 11 & 14 FILTER
AHU-11	TRAIN CONTROL/COMM C18	McQUAY	CAH010GDAC	4,400-3,000	1.5	5	72,330	-	-	460/3/60	22.2	25	1	2,350	MANUFACTURERS VFD
AHU-12	STAFF BREAK RM C34	LENNOX	CBX27UH-048-460	1,600	0.8	1	47,500	45,000	18.4	460/3/60	34	35	1	220	MERV 11 FILTERS & F
AHU-13	TELCO RM C14	DAIKIN	FAQ18PVJU	500-400	_	1/12	18,000	20,000	-	208/1/60	0.4	15	1	31	
AHU-14	MAINT ENGR OFFICE C10	DAIKIN	FCQ18PVJU	560-390	-	1/12	18,000	20,000	-	208/1/60	1.6	15	1	80	MERV 11 FILTERS, EXT
AHU-15	POLICE RM C08	DAIKIN	FCQ18PVJU	560-390	-	1/12	18,000	20,000	-	208/1/60	1.6	15	1	80	7
AHU-16	EMP ROOM C36	DAIKIN	FBQ18PVJU	635-529	-	1/12	18,000	20,000	_	208/1/60	1.6	15	1	80	MERV 11 FILTERS W/
AHU-17	COMM TERM ROOM #1	DAIKIN	FBQ18PVJU	635-529		1/12	18,000	20,000	-	208/1/60	1.6	15	1	80	MERV 8 FILTERS W/ F
AHU-18	LOST & FOUND C38	DAIKIN	FCQ18PVJU	560-390	-	1/12	18,000	20,000	-	208/1/60	1.6	15	1	80	MERV 11 FILTERS, EXT
AHU-19	STATION AGENTS BOOTH COX	DAIKIN	FCQ18PVJU	560-390		1/12	18,000	20,000	-	208/1/60	1.6	15	1	80	7
AHU-20	COMM ROOM C07	DAIKIN	FBQ18PVJU	635-529	-	1/12	18,000	20,000	-	208/1/60	1.6	15	1	80	MERV 8 FILTERS W/ F
AHU-21	POC ESCALATOR CONTROL POC 2	DAIKIN	FAQ18PVJU	500-400	-	1/12	18,000	-	-	208/1/60	0.4	15	1	80	
AHU-22	POC ELEVATOR MACHINE RM POC 3	DAIKIN	FAQ24PVJU	635-470	_	1/6	24,000	-	-	208/1/60	0.6	15	1	80	

SPLIT SY	STEM AIR CONDITIONING U	JNIT (Ol	JTDOOR	UNIT) SCHE	EDULE									LA A	IR DIST	RIBUTI	ON SCH	HEDULE						
EQUIP ID	AREA SERVED	TYPE	MFR	MODEL NO	NET TOTAL COOLING CAPACITY @ ARI (BTUH)	EER/ SEER	NET TOTAL HEATING CAPACITY @ ARI (BTUH)	COP/ HSPF	VOLT/PH/HZ	МСА	MAX OVERCURRENT PROTECTION	OPER WEIGHT (LBS)	REMARKS	ITEM	MFR	MODEL	TYPE	MAX SP DROP INWC	MAX NC LEVEL	BORDER MATERIAL	CEILING TYPE	NECK SIZE INCHES	OVERALL DIMENSIONS IN x IN	NOT
ACU-1	ESCALATOR RM #1 P23	AC	DAIKIN	RZR18PVJU	18,000	13.9/17.2		/	208/1/60	16.5	20	150	COOLING ONLY	CSD	PRICE	AMCD	CEILING	0.1	35	ALUMINUM	GYPBOARD	D, SEE PLANS	D+5-3/4	
ACU-2	ESCALATOR RM #2 P24	AC	DAIKIN	RZR18PVJU	18,000	13.9/17.2		/	208/1/60	16.5	20	150	COOLING ONLY	CSD	PRICE	AMCD	CEILING	0.1	35	ALUMINUM	T-BAR	SEE PLANS	24x24	
ACU-3	ELEVATOR MACHINE #1 P13	AC	DAIKIN	RZR24PVJU	24,000	12.0/16.5		/	208/1/60	16.5	20	150	COOLING ONLY	CRD.	DDIAE		050.000	0.00	10		0.0000000	6×6	10.10	
ACU-4	ELEVATOR MACHINE #2 P14	AC	DAIKIN	RZR24PVJU	24,000	12.0/16.5		/	208/1/60	16.5	20	150	COOLING ONLY	CEG	PRICE	PDDR	CEILING	0.08	40	ALUMINUM	GYPBOARD	8x8 10x10	16x16	
ACU-5	COMM TERM RM #3 P09	HP	DAIKIN	RZQ18PVJU	18,000	13.9/17.2	20,000	/10.1	208/1/60	16.5	20	150		CRD. CEG	PRICE	PDDR	CEILING	0.08	40	ALUMINUM	GYPBOARD	12x12	20x20	
ACU-6	COMM TERM RM #2 P10	HP	DAIKIN	RZQ18PVJU	18,000	13.9/17.2	20,000	/10.1	208/1/60	16.5	20	150		CEG CRD.								14x14		
ACU-7	ESCALATOR RM #3 P07	AC	DAIKIN	RZR18PVJU	18,000	13.9/17.2		/	208/1/60	16.5	20	150	COOLING ONLY	CEG	PRICE	PDDR	CEILING	0.08	40	ALUMINUM	GYPBOARD	15x15	24x24	
ACU-8	ESCALATOR RM #4 P08	AC	DAIKIN	RZR18PVJU	18,000	13.9/17.2		/	208/1/60	16.5	20	150	COOLING ONLY	CRD. CEG	PRICE	PDDR	CEILING	0.08	40	ALUMINUM	T-BAR	SEE PLANS	24x24	
ACU-9	GRNDS MAINT. OFFICE C19	HP	DAIKIN	RZQ18PVJU	18,000	13.9/17.2	20,000	/10.1	208/1/60	16.5	20	150		WSR	PRICE	22	SIDEWALL	0,1	35	STEEL		SEE DIANS	SEE PLANS	
ACU-10	TRAIN CONTROL/COMM C18	AC	McQUAY	RCS06F078D	72,900	11.2/		/		15	25	280	COOLING ONLY	WRG	PRICE		SIDEWALL		40	STEEL			SEE PLANS	
ACU-11	TRAIN CONTROL/COMM C18	AC	McQUAY	RCS06F078D	72,900	11.2/		/	460/3/60	15	25	280	COOLING ONLY	WEG	PRICE		SIDEWALL		40	STEEL			SEE PLANS	
ACU-12	STAFF BREAK ROOM C31	HP	LENNOX	TPA060S4	47,500	11.0/13.5	45,000	3.54/8.2	460/3/60	8.7	15	250		WEG	PRICE	90	WALL	. 0.00	25	STEEL			SEE PLANS	
ACU-13	TELCO RM C14	HP	DAIKIN	RZQ18PVJU	18,000	13.9/17.2	20,000	/10.1	208/1/60	16.5	20	150		WIG	TRICE	30	WALL		25	JILL		JUL I LANG	SEE TEANS	
ACU-14	MAINT ENGR OFFICE C10	HP	DAIKIN	RZQ18PVJU	18,000	13.9/17.2		/10.1		16.5	20	150					_							
ACU-15	POLICE RM CO8	HP	DAIKIN	RZQ18PVJU	18,000	13.9/17.2		/10.1		16.5	20	150		LOUV	VERSC	HEDUL	E				-			
ACU-16	EMP ROOM C36	HP	DAIKIN	RZQ18PVJU	18,000	13.9/17.2		/10.1		16.5	20	150						SIZE	FREE AREA	MAX_CFI			NOTEO	
ACU-17	COMM TERM ROOM #1 C37	HP	DAIKIN	RZQ18PVJU	18,000	13.9/17.2	20,000	/10.1	208/1/60	16.5	20	150		ITEM	M MF	K M	DDEL (IN X IN)	(SF)	250 FP	0 600 FPM		NOTES	
ACU-18	LOST & FOUND C38	HP	DAIKIN	RZQ18PVJU	18,000	13.9/17.2		/10.1		16.5	20	150		L-1	l			18X18	1.0	250	600			_
ACU-19	STATION AGENTS BOOTH COX	HP	DAIKIN	RZQ18PVJU	18,000	13.9/17.2		/10.1		16.5	20	150		L-2	>			24X18	1.36	340	816			_
ACU-20	COMM ROOM C07	HP	DAIKIN	RZQ18PVJU	18,000	13.9/17.2		/10.1		16.5	20	150		L-3	NO NO	S		24X24	1.98	495	1,190			_
	POC ESCALATOR CONTROL POC 2	AC	DAIKIN	RZR18PVJU	18,000	13.9/17.2		/		16.5	20	150	COOLING ONLY	L-4	<u>5</u>	8		36X18	2.08	520	1,100			
	POC ELEVATOR MACHINE RM POC 3	AC	DAIKIN	RZR24PVJU		13.9/17.2		/		16.5	20	150	COOLING ONLY	L-5		-DD S	-6174 -	36X24	3.03	755	1.820			
CCESSORII	ES (ALL UNITS EXCEPT AH-10 & AF	I—11): R	EFRIGERAN	T LINES SETS, N	MANUFACTURE	R'S COMME	RCIAL PROGRA	AMMABLE	THERMOSTAT					L-6		ЪРЕ С		30X30	3.29	820	1,020			
														L-7	_ 0			36X36	4.94	1235	2,960			
														L-8				36X42	5.79	1,445	3,470			

		_				J. CHOU	PROFESSION	Skanska
		_		_		DRAWN BY J. CHOU	HENN HENN	Shimmick 1436 California Circle Milpitas, California 95035
						G. HENNINGS	No. M20245	A Joint Venture
						IN CHARGE		High Blocka Construction Inc. High Bir Entret Re, 200 Concerned Andrews Concerned Conc
0 20	0130710				READINESS FOR CONSTRUCTION	G. HENNINGS	CHANICE CHANICE	
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	- Santa Clara	Valley Transportation Authority								
REMARKS	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								
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EXTENDED FILTER CASEMENT	_									
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I	LINE, TRACK, STATIONS AND SYSTEMS		FILEN/	ame -S-DB-M390).dwg
	DESIGN UNIT 023 MILPITAS STATION	size D		NONE	
, 	EQUIPMENT SCHEDULES		RACT N	<u>C700</u>	REV.
Ì	HVAC SHEET 1 OF 3		B	SHEET NO. M390	PAGE NO.

LOCATION ELEC RM #3 P17 ELEC RM #4 P18 ELEC RM #2 C24 MAINT ENGR OFFICE C10 POLICE ROOM C08	AREA SERVED P17 P18 C24 C24	GREENHECK	MODEL NO	DESIGN FAN	ESP	FAN	FAN		OR DATA	WEIGUT	MOUNT	
ELEC RM #4 P18 ELEC RM #2 C24 MAINT ENGR OFFICE C10	P18	GREENHECK		(CFM)	INWC	RPM	BHP	HP	VOLT/PH/HZ	WEIGHT (LBS)	TYPE	
ELEC RM #2 C24 MAINT ENGR OFFICE C10			SQ-85-VG	250	0.61	1218	0.07	1/6	120/1/60	60	СН	NEOPRENE ISOLATORS, FILTER BOX AND MERV-8 FILTER
MAINT ENGR OFFICE C10	C24	GREENHECK	SQ-85-VG	250	0.61	1218	0.07	1/6	120/1/60	60	СН	
		GREENHECK	SQ-120-VG	1,420	0.8	1650	0.41	1/2	120/1/60	70	СН	
POLICE ROOM CO8	C10	FANTECH	FG4	60	0.1	-	-	1/30	120/1/60	60	СН	FURNISHED WITH FC VIBRATION ISOLATION CLAMPS AND
	C08	FANTECH	FG4	60	0.1	-	-	1/30	120/1/60	60	СН	-
LOST & FOUND C36	C36	FANTECH	FG4	60	0.1	-	-	1/30	120/1/60	60	СН	
ELEC RM #1 CO6	C06	GREENHECK	SQ-140-VG	1,900	0.73	1335	0.48	3/4	120/1/60	100	СН	NEOPRENE ISOLATORS, FILTER BOX AND MERV-8 FILTER
								. (7.5				
"								,				INLET SCREEN, NEOPRENE ISOLATORS, SPEED CONTROL
											-	
"												BDD, INLET SCREEN, NEOPRENE ISOLATORS; CONTROLLE
											-	
												NEOPRENE ISOLATORS; RUNS CONTINUOUSLY
"						1708		· ·				
	P32	GREENHECK		240	0.30	1265	0.03			60	СН	INLET SCREEN, NEOPRENE ISOLATORS, SPEED CONTROL
"				240		1265	0.03				СН	-
"												-
UTLTITY RM #8 P04	P04	GREENHECK	SQ-70-D	100	0.30	1448	0.02	1/30	120/1/60	44	СН	
TC/C BATTERY RM C17	C17	GREENHECK	SQ-75-D	260	.10	1375	0.02	1/30	120/1/60	41	СН	EPOXY COATING ON AIR STREAM COMPONENTS, EXPLOS CONTROLLER; RUNS CONTINUOUSLY
TRASH C22	C22	GREENHECK	SQ-70-D	200	0.1	1550	0.02	1/30	120/1/60	26	СН	SPRING ISOLATORS, INLET SCREEN; RUNS CONTINUOUSI
LOCKER RM C26	C26	GREENHECK	SP-A250	200	0.2	881	0.06	1/8	120/1/60	24	СМ	BDD, SPRING ISOLATORS; CONTROL BY LIGHT SWITCH
RESTROOM C27	C27	GREENHECK	SP-A250	200	0.2	881	0.06	1/8	120/1/60	24	СМ	
STRETCHER STORAGE C41	C41	GREENHECK	SP-A50	30	0.25	70 0	0.01	1/100	120/1/60	12	СМ	BDD, SPRING ISOLATORS; RUNS CONTINUOUSLY
TC/C BATTERY ROOM C29	C29	GREENHECK	SQ-75-D	260	.10	1375	0.02	1/30	120/1/60	41	СН	EPOXY COATING ON AIR STREAM COMPONENTS, EXPLOS CONTROLLER; RUNS CONTINUOUSLY
VESTIBULE C11	C13, C25, C125	GREENHECK	SQ-100-A	760	0.25	1300	0.03	1/4	120/1/60	55	СН	SPRING ISOLATORS, SPEED CONTROLLER; RUNS CONTIN
WOMEN'S RESTROOM C32	C32	GREENHECK	G-080-D	300	0.2	1292	0.03	1/20	120/1/60	26	RC	SPRING ISOLATORS, SPEED CONTROLLER; CONTROL BY
MEN'S RESTROOM C33	C33	GREENHECK	G-080-D	320	0.2	1340	0.03	1/20	120/1/60	26	RC	
TREASURY VAULT C25	C25	GREENHECK	G-060-G	90	0.18	1300	0.01	1/100	120/1/60	26	RC	14" ROOF CURB; RUNS CONTINUOUSLY
STORAGE RM C35	C35	GREENHECK	G-070-G	230	0.15	1256	0.02	1/60	120/1/60	26	RC	-
MEN A-04	A-04	GREENHECK	SP-B200	160	0.15	915	0.02	1/10	120/1/60	60	СМ	BDD, SPRING ISOLATORS, SPEED CONTROLLER; CONTRO
JANITOR CLOSET A-05	A-05	GREENHECK	SP-B110	100	0.15	903	0.05	1/8	120/1/60	60	СМ	SPRING ISOLATORS, SPEED CONTROLLER; RUNS CONTIN
WOMEN A-06	A-06	GREENHECK	SP-A200	200	0.15	849	0.02	1/10	120/1/60	60	СМ	BDD, SPRING ISOLATORS, SPEED CONTROLLER; CONTRO
		GREENHECK	G-085-D	510	0.15	1550	0.05	1/20	120/1/60	20	RC	14" ROOF CURB, EXPLOSION PROOF MOTOR; RUNS CO
EMERG. GEN ROOM A-07	EMERG. GEN ROOM A-07		G-080-D	420	0.15	1550	0.04	1/20	120/1/60	20	RC	
	UTLTITY RM #1 P25 UTLTITY RM #2 P26 MECH RM COMP #1 P15 MECH RM COMP #1 P15 MECH RM COMP #2 P16 UTLTITY RM #5 P32 UTLTITY RM #5 P32 UTLTITY RM #5 P32 UTLTITY RM #6 P31 UTLTITY RM #6 P31 UTLTITY RM #7 P03 UTLTITY RM #8 P04 TC/C BATTERY RM C17 TRASH C22 LOCKER RM C26 RESTROOM C27 STRETCHER STORAGE C41 C/C BATTERY ROOM C29 VESTIBULE C11 NOMEN'S RESTROOM C33 TREASURY VAULT C25 STORAGE RM C35 MEN A-04 JANITOR CLOSET A-05	UTLTITY RM #1 P25 P25 UTLTITY RM #2 P26 P26 MECH RM COMP #1 P15 P15 MECH RM COMP #1 P15 P16 MECH RM COMP #2 P16 P20, P12 UTLTITY RM #5 P32 P32 UTLTITY RM #6 P31 P31 UTLTITY RM #6 P31 P31 UTLTITY RM #8 P04 P04 TC/C BATTERY RM C17 C17 TRASH C22 C22 LOCKER RM C26 C26 RESTROOM C27 C27 STRETCHER STORAGE C41 C41 C/C BATTERY ROOM C29 C29 VESTIBULE C11 C13, C25, C125 NOMEN'S RESTROOM C32 C32 MEN'S RESTROOM C33 C33 TREASURY VAULT C25 C25 STORAGE RM C35 C35 MEN A-04 A-04 JANITOR CLOSET A-05 A-05	UTLTITY RM #1 P25P25GREENHECKUTLTITY RM #2 P26P26GREENHECKWECH RM COMP #1 P15P15GREENHECKMECH RM COMP #2 P16P16GREENHECKMECH RM COMP #1 P15P21, P19, P11GREENHECKMECH RM COMP #2 P16P22, P20, P12GREENHECKUTLTITY RM #5 P32P32GREENHECKUTLTITY RM #6 P31P31GREENHECKUTLTITY RM #6 P31P03GREENHECKUTLTITY RM #7 P03P03GREENHECKUTLTITY RM #8 P04P04GREENHECKTC/C BATTERY RM C17C17GREENHECKTRASH C22C22GREENHECKLOCKER RM C26C26GREENHECKC/C BATTERY ROOM C27C27GREENHECKC/C BATTERY ROOM C29C29GREENHECKVESTIBULE C11C13, C25, C125GREENHECKVOMEN'S RESTROOM C32C32GREENHECKMEN'S RESTROOM C33C33GREENHECKTREASURY VAULT C25C25GREENHECKMEN A-04A-04GREENHECKJANITOR CLOSET A-05A-05GREENHECK	UTLTITY RM #1 P25 P25 GREENHECK SQ-70-D UTLTITY RM #2 P26 P26 GREENHECK SQ-70-D MECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG MECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG MECH RM COMP #1 P15 P21, P19, P11 GREENHECK SQ-95-VG MECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG UTLTITY RM #5 P32 P32 GREENHECK SQ-95-VG UTLTITY RM #6 P31 P31 GREENHECK SQ-95-D UTLTITY RM #6 P31 P31 GREENHECK SQ-70-D UTLTITY RM #7 P03 P03 GREENHECK SQ-70-D UTLTITY RM #7 P03 P04 GREENHECK SQ-75-D UTLTITY RM #8 P04 P04 GREENHECK SQ-75-D TRASH C22 C22 GREENHECK SQ-75-D LOCKER RM C26 C26 GREENHECK SP-A50 C/C BATTERY ROOM C27 C27 GREENHECK SQ-75-D VESTIBULE C11 C13, C25, C125 GREENHECK SQ-75	UTLTITY RM #1 P25 P25 GREENHECK SQ-70-D 100 UTLTITY RM #2 P26 P26 GREENHECK SQ-70-D 100 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 MECH RM COMP #2 P16 P21, P19, P11 GREENHECK SQ-95-VG 460 MECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 UTLTITY RM #5 P32 P32 GREENHECK SQ-95-VG 460 UTLTITY RM #6 P31 P31 GREENHECK SQ-95-D 240 UTLTITY RM #7 P03 P03 GREENHECK SQ-70-D 100 TC/C BATTERY RM C17 C17 GREENHECK SQ-70-D 100 TC/C BATTERY RM C17 C17 GREENHECK SQ-75-D 260 LOCKER RM C26 C26 GREENHECK SQ-75-D 200 RESTROOM C27 C27 GREENHECK SP-A250 200 STRETCHER STORAGE C41 C41 GREENHECK </td <td>UTLTITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 UTLTITY RM #2 P26 P26 GREENHECK SQ-70-D 100 0.30 WECH RM COMP #1 P15 P15 GREENHECK SQ-70-D 100 0.30 MECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 MECH RM COMP #1 P15 P21, P19, P11 GREENHECK SQ-95-VG 460 0.65 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 UTLTITY RM #5 P32 P32 GREENHECK SQ-85-D 240 0.30 UTLTITY RM #6 P31 P31 GREENHECK SQ-85-D 240 0.30 UTLTITY RM #7 P03 P03 GREENHECK SQ-70-D 100 0.30 UTLTITY RM #8 P04 P04 GREENHECK SQ-70-D 100 0.30 UTLTITY RM #8 P04 P04 GREENHECK SQ-70-D 200 0.1 LOCKER RM C26 C26 GREENHECK SQ-70-D 200 <t< td=""><td>UTLTITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 UTLTITY RM #2 P26 P26 GREENHECK SQ-70-D 100 0.30 1448 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 1599 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 UTLTITY RM #5 P32 P32 P32 GREENHECK SQ-85-D 240 0.30 1265 UTLTITY RM #6 P31 P31 GREENHECK SQ-70-D 100 0.30 1448 UTLTITY RM #7 P03 P03 GREENHECK SQ-75-D 260 .10 1375 TRASH C22 C22 GREENHECK SQ-75-D 260 .10 1375 TRASH C22 C22 C22</td><td>UTLTITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 0.02 UTLTITY RM #2 P26 P26 GREENHECK SQ-70-D 100 0.30 1448 0.02 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 460 0.65 1708 0.13 WECH RM COMP #1 P15 P21, P19, P11 GREENHECK SQ-95-VG 460 0.65 1708 0.13 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 0.13 UTLTITY RM #5 P32 P32 GREENHECK SQ-85-D 240 0.30 1265 0.03 UTLTITY RM #6 P31 P31 GREENHECK SQ-70-D 100 0.30 1448 0.02 UTLTITY RM #7 P03 P03 GREENHECK SQ-70-D 100 0.30 1448 0.02 TC/C BATTERY RM C17 C17 GREENHE</td><td>UTLITTY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 UTLITTY RM #2 P26 P26 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 0.13 1/4 UTLITY RM #6 P31 P31 GREENHECK SQ-95-VG 460 0.30 1265 0.03 1/12 UTLITY RM #6 P31 P31 GREENHECK SQ-76-D 100 0.30 1265 0.03 1/12 UTLITY RM #7 P03 P03 GREENHECK SQ-76-D 100 0.30 1448 0.02 1/30 TC/C BATTERY RM C17 C17 GREENHECK SQ-76-D 260</td><td>UTLTITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 120/1/60 UTLTITY RM #2 P26 P26 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 120/1/60 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 0.13 1/4 120/1/60 UTLTITY RM #5 P32 P32 GREENHECK SQ-85-D 240 0.30 1265 0.03 1/12 120/1/60 UTLTITY RM #6 P31 P31 GREENHECK SQ-85-D 240 0.30 1265 0.03 1/12 120/1/60 UTLTITY RM #6 P31 P31 GREENHECK SQ-70-D 100 0.30 1448</td><td>UTLITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 120/1/60 44 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 44 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 60 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 60 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 0.13 1/4 120/1/60 60 UTLITY RM #5 P32 P32 GREENHECK SQ-85-D 240 0.30 1265 0.03 1/12 120/1/60 60 UTLITY RM #6 P31 P31 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 120/1/60 44 UTLITY RM #8 P04</td><td>UTLITY RM #1 P25 P25 GREENHECK SO-70-D 100 0.30 1448 0.02 1/30 120/1/60 44 CH UTLITY RM #1 P25 P26 GREENHECK SO-70-D 100 0.30 1448 0.02 1/30 120/1/60 44 CH UTLITY RM #1 P25 P15 GREENHECK SO-95-VG 390 0.63 1599 0.11 1/6 120/1/60 60 CH WECH RM COMP #2 P16 P16 GREENHECK SO-95-VG 390 0.63 1599 0.11 1/6 120/1/60 60 CH WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SO-95-VG 460 0.65 1708 0.13 1/4 120/1/60 60 CH UTLITY RM #5 P32 P32 GREENHECK SO-85-D 240 0.30 1265 0.03 1/12 120/1/60 60 CH UTLITY RM #6 P31 P31 OREENHECK SO-70-D 100 0.30 1448 0.02 1/30</td></t<></td>	UTLTITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 UTLTITY RM #2 P26 P26 GREENHECK SQ-70-D 100 0.30 WECH RM COMP #1 P15 P15 GREENHECK SQ-70-D 100 0.30 MECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 MECH RM COMP #1 P15 P21, P19, P11 GREENHECK SQ-95-VG 460 0.65 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 UTLTITY RM #5 P32 P32 GREENHECK SQ-85-D 240 0.30 UTLTITY RM #6 P31 P31 GREENHECK SQ-85-D 240 0.30 UTLTITY RM #7 P03 P03 GREENHECK SQ-70-D 100 0.30 UTLTITY RM #8 P04 P04 GREENHECK SQ-70-D 100 0.30 UTLTITY RM #8 P04 P04 GREENHECK SQ-70-D 200 0.1 LOCKER RM C26 C26 GREENHECK SQ-70-D 200 <t< td=""><td>UTLTITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 UTLTITY RM #2 P26 P26 GREENHECK SQ-70-D 100 0.30 1448 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 1599 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 UTLTITY RM #5 P32 P32 P32 GREENHECK SQ-85-D 240 0.30 1265 UTLTITY RM #6 P31 P31 GREENHECK SQ-70-D 100 0.30 1448 UTLTITY RM #7 P03 P03 GREENHECK SQ-75-D 260 .10 1375 TRASH C22 C22 GREENHECK SQ-75-D 260 .10 1375 TRASH C22 C22 C22</td><td>UTLTITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 0.02 UTLTITY RM #2 P26 P26 GREENHECK SQ-70-D 100 0.30 1448 0.02 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 460 0.65 1708 0.13 WECH RM COMP #1 P15 P21, P19, P11 GREENHECK SQ-95-VG 460 0.65 1708 0.13 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 0.13 UTLTITY RM #5 P32 P32 GREENHECK SQ-85-D 240 0.30 1265 0.03 UTLTITY RM #6 P31 P31 GREENHECK SQ-70-D 100 0.30 1448 0.02 UTLTITY RM #7 P03 P03 GREENHECK SQ-70-D 100 0.30 1448 0.02 TC/C BATTERY RM C17 C17 GREENHE</td><td>UTLITTY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 UTLITTY RM #2 P26 P26 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 0.13 1/4 UTLITY RM #6 P31 P31 GREENHECK SQ-95-VG 460 0.30 1265 0.03 1/12 UTLITY RM #6 P31 P31 GREENHECK SQ-76-D 100 0.30 1265 0.03 1/12 UTLITY RM #7 P03 P03 GREENHECK SQ-76-D 100 0.30 1448 0.02 1/30 TC/C BATTERY RM C17 C17 GREENHECK SQ-76-D 260</td><td>UTLTITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 120/1/60 UTLTITY RM #2 P26 P26 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 120/1/60 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 0.13 1/4 120/1/60 UTLTITY RM #5 P32 P32 GREENHECK SQ-85-D 240 0.30 1265 0.03 1/12 120/1/60 UTLTITY RM #6 P31 P31 GREENHECK SQ-85-D 240 0.30 1265 0.03 1/12 120/1/60 UTLTITY RM #6 P31 P31 GREENHECK SQ-70-D 100 0.30 1448</td><td>UTLITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 120/1/60 44 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 44 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 60 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 60 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 0.13 1/4 120/1/60 60 UTLITY RM #5 P32 P32 GREENHECK SQ-85-D 240 0.30 1265 0.03 1/12 120/1/60 60 UTLITY RM #6 P31 P31 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 120/1/60 44 UTLITY RM #8 P04</td><td>UTLITY RM #1 P25 P25 GREENHECK SO-70-D 100 0.30 1448 0.02 1/30 120/1/60 44 CH UTLITY RM #1 P25 P26 GREENHECK SO-70-D 100 0.30 1448 0.02 1/30 120/1/60 44 CH UTLITY RM #1 P25 P15 GREENHECK SO-95-VG 390 0.63 1599 0.11 1/6 120/1/60 60 CH WECH RM COMP #2 P16 P16 GREENHECK SO-95-VG 390 0.63 1599 0.11 1/6 120/1/60 60 CH WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SO-95-VG 460 0.65 1708 0.13 1/4 120/1/60 60 CH UTLITY RM #5 P32 P32 GREENHECK SO-85-D 240 0.30 1265 0.03 1/12 120/1/60 60 CH UTLITY RM #6 P31 P31 OREENHECK SO-70-D 100 0.30 1448 0.02 1/30</td></t<>	UTLTITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 UTLTITY RM #2 P26 P26 GREENHECK SQ-70-D 100 0.30 1448 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 1599 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 UTLTITY RM #5 P32 P32 P32 GREENHECK SQ-85-D 240 0.30 1265 UTLTITY RM #6 P31 P31 GREENHECK SQ-70-D 100 0.30 1448 UTLTITY RM #7 P03 P03 GREENHECK SQ-75-D 260 .10 1375 TRASH C22 C22 GREENHECK SQ-75-D 260 .10 1375 TRASH C22 C22 C22	UTLTITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 0.02 UTLTITY RM #2 P26 P26 GREENHECK SQ-70-D 100 0.30 1448 0.02 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 460 0.65 1708 0.13 WECH RM COMP #1 P15 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GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 120/1/60 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 0.13 1/4 120/1/60 UTLTITY RM #5 P32 P32 GREENHECK SQ-85-D 240 0.30 1265 0.03 1/12 120/1/60 UTLTITY RM #6 P31 P31 GREENHECK SQ-85-D 240 0.30 1265 0.03 1/12 120/1/60 UTLTITY RM #6 P31 P31 GREENHECK SQ-70-D 100 0.30 1448	UTLITY RM #1 P25 P25 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 120/1/60 44 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 44 WECH RM COMP #1 P15 P15 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 60 WECH RM COMP #2 P16 P16 GREENHECK SQ-95-VG 390 0.63 1599 0.11 1/6 120/1/60 60 WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SQ-95-VG 460 0.65 1708 0.13 1/4 120/1/60 60 UTLITY RM #5 P32 P32 GREENHECK SQ-85-D 240 0.30 1265 0.03 1/12 120/1/60 60 UTLITY RM #6 P31 P31 GREENHECK SQ-70-D 100 0.30 1448 0.02 1/30 120/1/60 44 UTLITY RM #8 P04	UTLITY RM #1 P25 P25 GREENHECK SO-70-D 100 0.30 1448 0.02 1/30 120/1/60 44 CH UTLITY RM #1 P25 P26 GREENHECK SO-70-D 100 0.30 1448 0.02 1/30 120/1/60 44 CH UTLITY RM #1 P25 P15 GREENHECK SO-95-VG 390 0.63 1599 0.11 1/6 120/1/60 60 CH WECH RM COMP #2 P16 P16 GREENHECK SO-95-VG 390 0.63 1599 0.11 1/6 120/1/60 60 CH WECH RM COMP #2 P16 P22, P20, P12 GREENHECK SO-95-VG 460 0.65 1708 0.13 1/4 120/1/60 60 CH UTLITY RM #5 P32 P32 GREENHECK SO-85-D 240 0.30 1265 0.03 1/12 120/1/60 60 CH UTLITY RM #6 P31 P31 OREENHECK SO-70-D 100 0.30 1448 0.02 1/30

ELECTRIC HEATER SCHEDULE											
EQUIP ID			MODEL NO	HEATER			FAN			OPER	
	AREA SERVED	MFR		OUTPUT (KW)	AMPS	STAGES	AIR FLOW	MTR HP	VOLT/PH/HZ	WEIGHT (LBS)	REMARKS
EH-1	STAFF TOILET C27	QMARK	CRA2024T2	1.5	12.5	1	100	1/16	208/1/60	11	BUILT-IN THERMOSTAT WALL MOUNTED





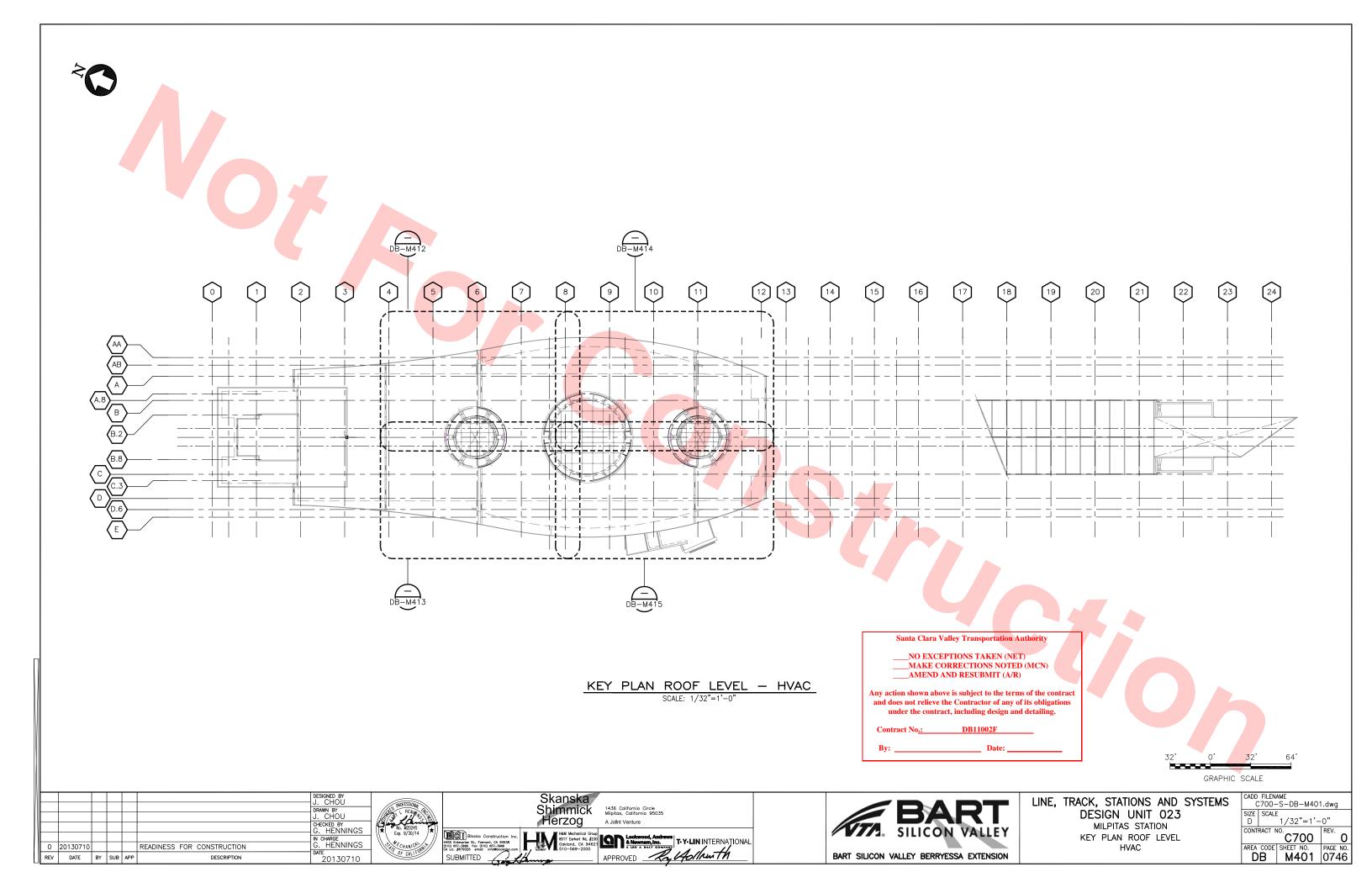
NOTES	
FILTERS, OUTLET SCREEN, CONSTANT PRESSURE CONTROLLER	
S AND INTEGRAL SPEED CONTROLLER; RUNS CONTINUOUSLY	
FILTERS, OUTLET SCREEN, CONSTANT PRESSURE CONTROLLER	
NTROLLER; RUNS CONTINUOUSLY	
IROLLED BY LINE VOLTAGE THERMOSTAT SET AT 104°F	
NTROLLER; RUNS CONTINUOUSLY	
XPLOSION PROOF MOTOR, EMERGENCY POWER, NEOPRENE ISOLATORS, SF	PEED
UOUSLY TCH	
XPLOSION PROOF MOTOR, EMERGENCY POWER, SPRING ISOLATORS, SPEE	D
ONTINUOUSLY L BY LIGHT SWITCH	
DNTROL BY LIGHT SWITCH ONTINUOUSLY DNTROL BY LIGHT SWITCH IS CONTINUOUSLY	
Santa Clara Valley Transportation Authorit NO EXCEPTIONS TAKEN (NET) MAKE CORRECTIONS NOTED (MCN AMEND AND RESUBMIT (A/R) Any action shown above is subject to the terms of the and does not relieve the Contractor of any of its obl under the contract, including design and detail Contract No.: DB11002F By: Date:) e contract igations ing.
DESIGN UNIT 023	DB-M391.dwg
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	1001 10744

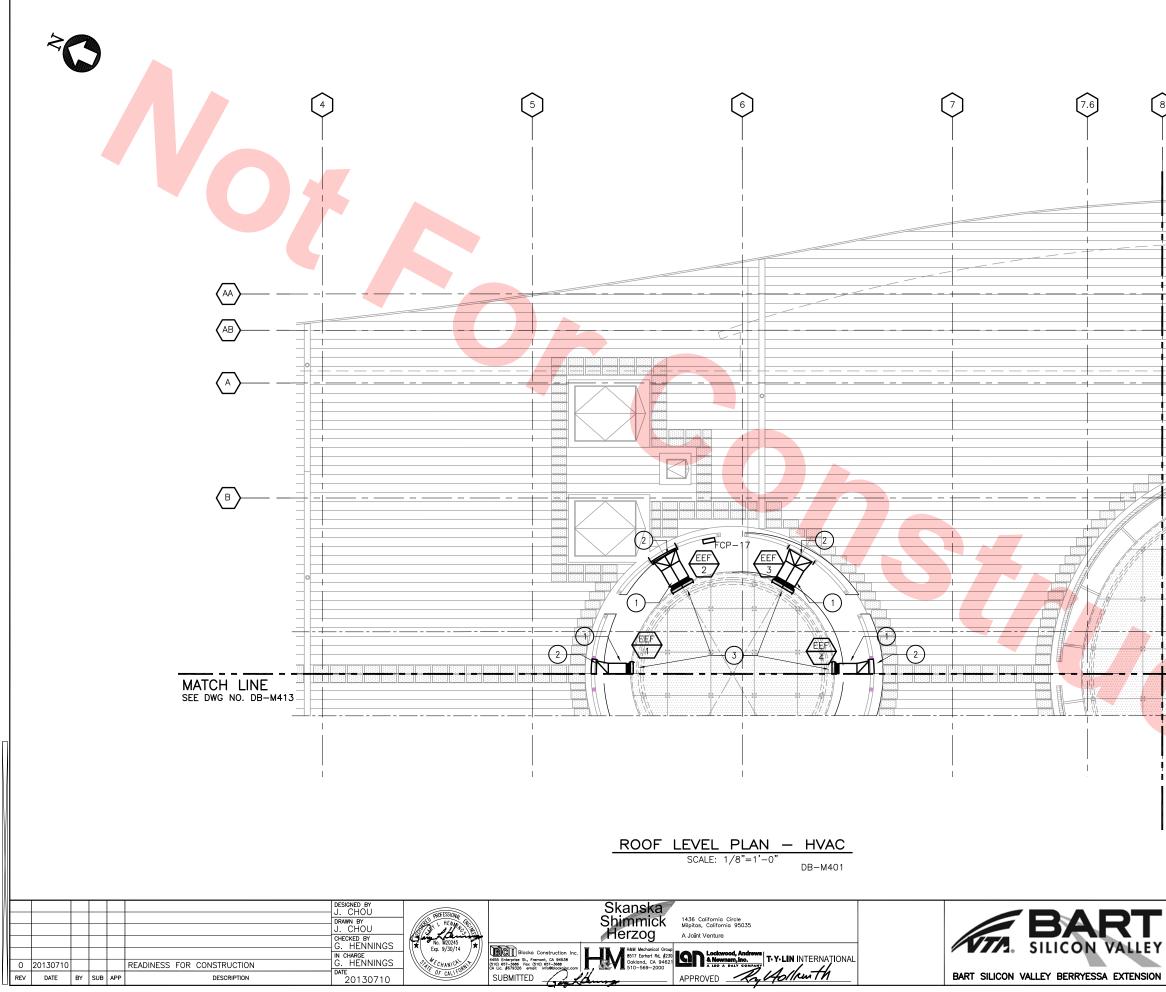
EQUIP			DULE									
ID	LOCATION	AREA SERVED	MFR	MODEL NO	DESIGN FAN (CFM)	ESP INWC	FAN RPM	FAN BHP	мото НР	OR DATA	OPER WEIGHT (LBS)	REMARKS
EEF-1	ROOF	OPEN CONCOURSE	TWIN CITY	TCTA36D4	20,000	0.9	1140	5.11	пе 7–1/2	, ,	750	482°F CONSTRUCTION, HORIZ DISCHARGE, CBD, MOUNT ON SEISMIC SPRING VIBRATION ISOLATORS - SEE DWG NO. DB-M364, DETAIL 3 FOR ADDITION
EEF-2	ROOF	OPEN CONCOURSE	TWIN CITY	TCTA36D4	20,000	0.9	1140	5.11	7-1/2	460/3/60	750	ACCESSORIES. PROTECTIVE DEVICES TO BE INSTALLED: BEARING TEMPERATURE, BEARING VIBRATION, MOTOR TEMPERATURE, MOTOR CURRENT.
EEF-3	ROOF	OPEN CONCOURSE	TWIN CITY	TCTA36D4	20,000	0.9	1140	5.11	7-1/2	460/3/60	750	
EEF-4	ROOF	OPEN CONCOURSE	TWIN CITY	TCTA36D4	20,000	0.9	1140	5.11	7-1/2		750	
EEF-5	ROOF	OPEN CONCOURSE	TWIN CITY	TCTA36D4	20,000	0.9	1140	5.11	7-1/2		750	
EEF-6 EEF-7	ROOF ROOF	OPEN CONCOURSE	TWIN CITY	TCTA36D4 TCTA36D4	20,000	0.9	1140 1140	5.11 5.11	7-1/2 7-1/2	460/3/60 460/3/60	750 750	
EEF-8	ROOF	OPEN CONCOURSE	TWIN CITY	TCTA36D4	20,000	0.9	1140	5.11	7-1/2		750	
EEF-9	ROOF	OPEN CONCOURSE	TWIN CITY	TCTA36D4	20,000	0.9	1140	5.11	7-1/2	460/3/60	750	
EEF-10	ROOF	OPEN CONCOURSE	TWIN CITY	TCTA36D4	20,000	0.9	1140	5.11	7-1/2	460/3/60	750	
EEF-11	ROOF	OPEN CONCOURSE	TWIN CITY	TCTA <mark>36D4</mark>	20,000	0.9	1140	5.11	7-1/2	460/3/60	750	
EEF-12	ROOF	OPEN CONCOURSE	TWIN CITY	TCTA36D4	20,000	0.9	1140	5.11	7-1/2	460/3/60	750	
ESF-1	NORTH FAN ROOM #1	CONCOURSE STAIR #2		TCVX66D4	104,000	1.5	871	56.71	60	460/3/60	2,150	HORIZ DISCHARGE, BBD, MOUNT ON SEISMIC SPRING VIBRATION ISOLATORS – SEE DWG NO. DB-M364, DETAIL 1 FOR ADDITIONAL ACCESSORIES
ESF-2	NORTH FAN ROOM #1 NORTH FAN ROOM #2	CONCOURSE STAIR #2 CONCOURSE STAIR #1		TCVX66D4	104,000	1.6	878 871	58.66 56.71	60 60	460/3/60 460/3/60	2,150 2,150	
ESF-3 ESF-4	NORTH FAN ROOM #2	CONCOURSE STAIR #1		TCVX66D4 TCVX66D4	104,000	1.5 1.6	878	58.66	60	460/3/60	2,150	
ESF-5	SOUTH FAN ROOM #1	CONCOURSE STAIR #4		TCVX66D4	104,000	1.5	871	56.71	60	460/3/60	2,150	
ESF-6	SOUTH FAN ROOM #1	CONCOURSE STAIR #4		TCVX66D4	104,000	1.6	878	58.66	60	460/3/60	2,150	
ESF-7	SOUTH FAN ROOM #2	CONCOURSE STAIR #3	TWIN CITY	TCVX66D4	104,000	1.5	871	56.71	60	460/3/60	2,150	
ESF-8	SOUTH FAN ROOM #2	CONCOURSE STAIR #3	TWIN CITY	TCVX66D4	104,000	1.6	<mark>8</mark> 78	58.66	60	460/3/60	2,150	
EVF-1	FAN ROOM #1	PLATFORM #1	TWIN CITY	TCVX48D6	38,000	1.0	1145	14.67	15	460/3/60	1,450	VERTICAL DOWN DISCHARGE, CBD, MOUNT ON SEISMIC SPRING VIBRATION ISOLATORS – SEE DWG.DB-M364, DETAIL 2 FOR ADDITIONAL ACCESSORIES PROTECTIVE DEVICES TO BE INSTALLED: BEARING TEMPERATURE, BEARING VIBRATION, MOTOR TEMPERATURE, MOTOR CURRENT.
EVF-2	FAN ROOM #1	PLATFORM #1	TWIN CITY	TCVX48D6	38,000	1.0	1145	14.67	15	460/3/60	1,450	
EVF-3 EVF-4	FAN ROOM #2 FAN ROOM #2	PLATFORM #2 PLATFORM #2	TWIN CITY TWIN CITY	TCVX48D6 TCVX48D6	38,000 38,000	1.0	1145 1145	14.67 14.67	15 15	460/3/60	1,450	
	BACKDRAFT DAMPERS SH											358
ID HP-1	ANCILLARY BLDG ROOF	BUS OPERATOR FACIL	ITY A-03	LENNOX	15CHPXA36	Сгм	ESP INWC 0.8	HP (RI (BTUH)	ARI	EARING ACITY (W) HSPF ELECT HTR (KW) VOLT/PH/HZ MCA OVERCURRENT PROTECTION DRAIN LINE SIZE WEIGHT (LBS) WEIGHT 3,000 8.0 7.5 208/1/60 39.1 30 3/4 500
ACCESSOR	RIES: 12" ROOF CURB, (COMMERCIAL PROGRAMMA	BLE THERMOS	TAT, OUTSIDE	AIR HOOD							
												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 con and does not relieve the Contractor of any of its obligat under the contract, including design and detailing. Contract No::DB11002F By:Date:

EMA	RKS	
BRA	TION ISOLAT	ORS - SEE DWG NO. DB-M364, DETAIL 3 FOR ADDITIONAL
ATIC	N, MOTOR 1	TEMPERATURE, MOTOR CURRENT.
SEE	E DWG NO.	DB-M364, DETAIL 1 FOR ADDITIONAL ACCESSORIES
41IC	N, MUTOR I	TEMPERATURE, MOTOR CURRENT.
ATO	RS – SFF I	DWG.DB-M364, DETAIL 2 FOR ADDITIONAL ACCESSORIES
ATIC	N, MOTOR 1	TEMPERATURE, MOTOR CURRENT.
тг	OPER	
NE NE	WEIGHT (LBS)	REMARKS
	500	
		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.

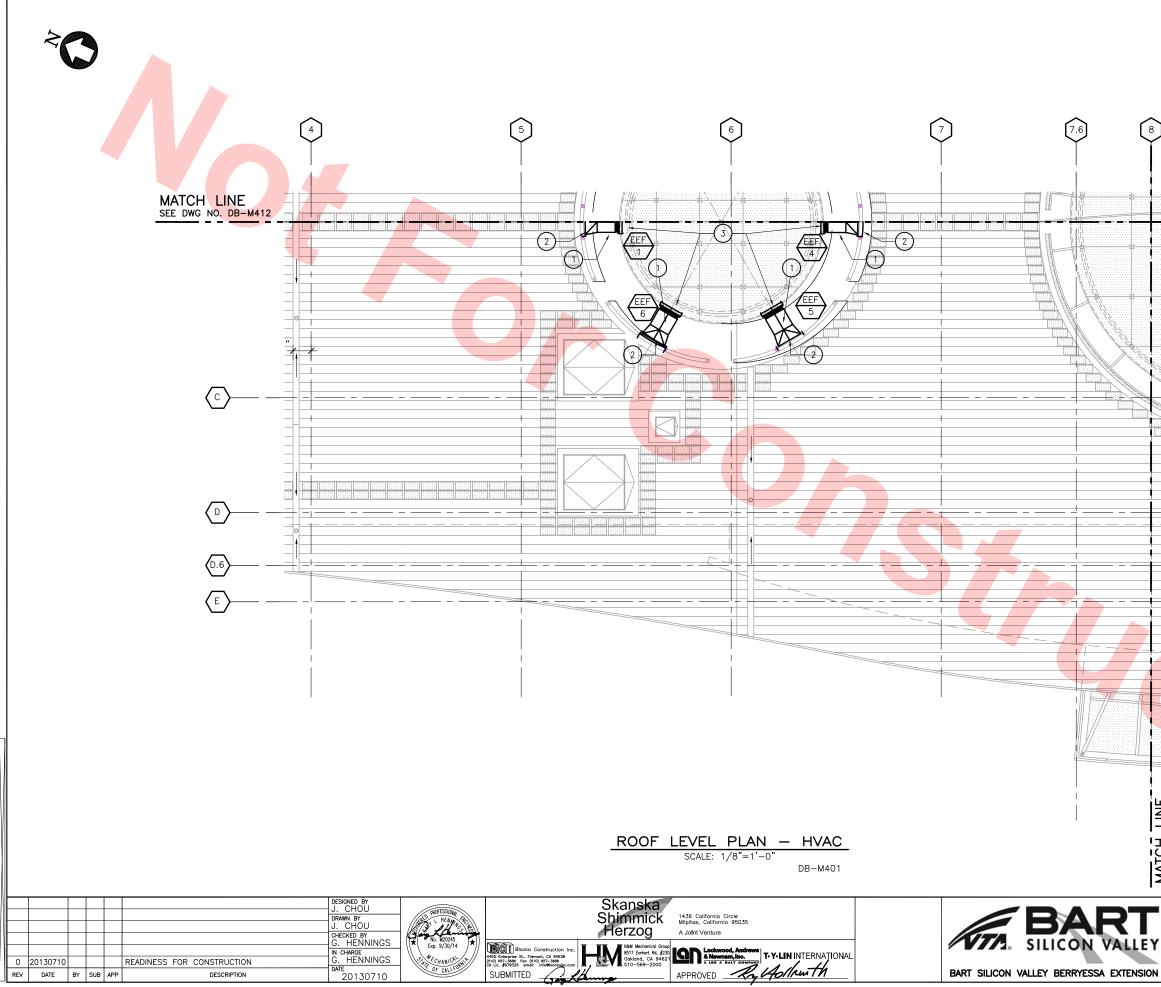
ontract	No.	DB1100

	LINE, TRACK, STATIONS AND SYSTEMS	CADD FILEN	IAME -S-DB-M39:	2.dwg
,	DESIGN UNIT 023 MILPITAS STATION	SIZE SCAL D CONTRACT	NONE	REV.
1	EQUIPMENT SCHEDULES HVAC SHEET 3 OF 3	area code DB	C700 SHEET NO. M392	0 PAGE NO. 0745
1	MILPITAS STATION EQUIPMENT SCHEDULES HVAC	D CONTRACT AREA CODE	NONE NO. C700 SHEET NO.	P,

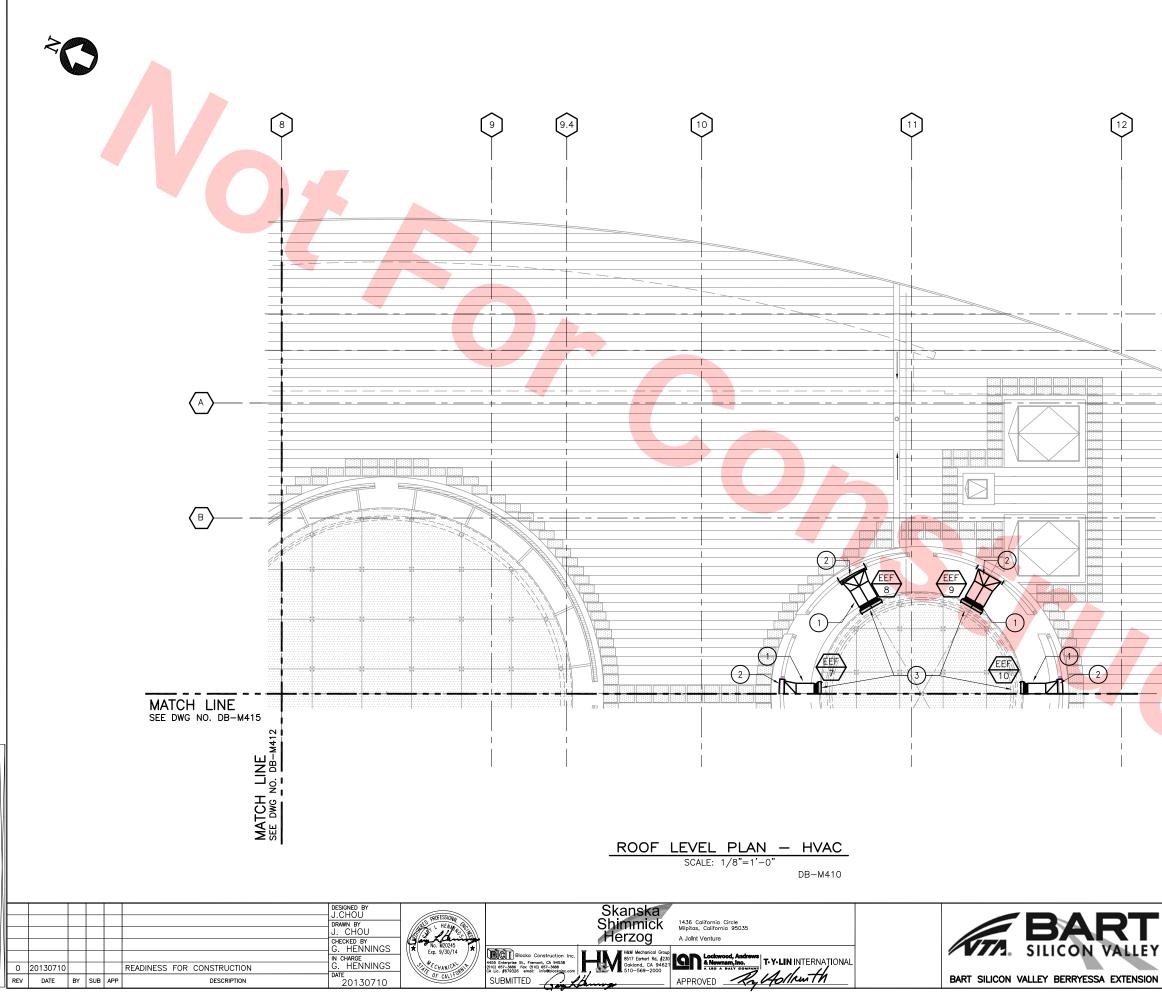




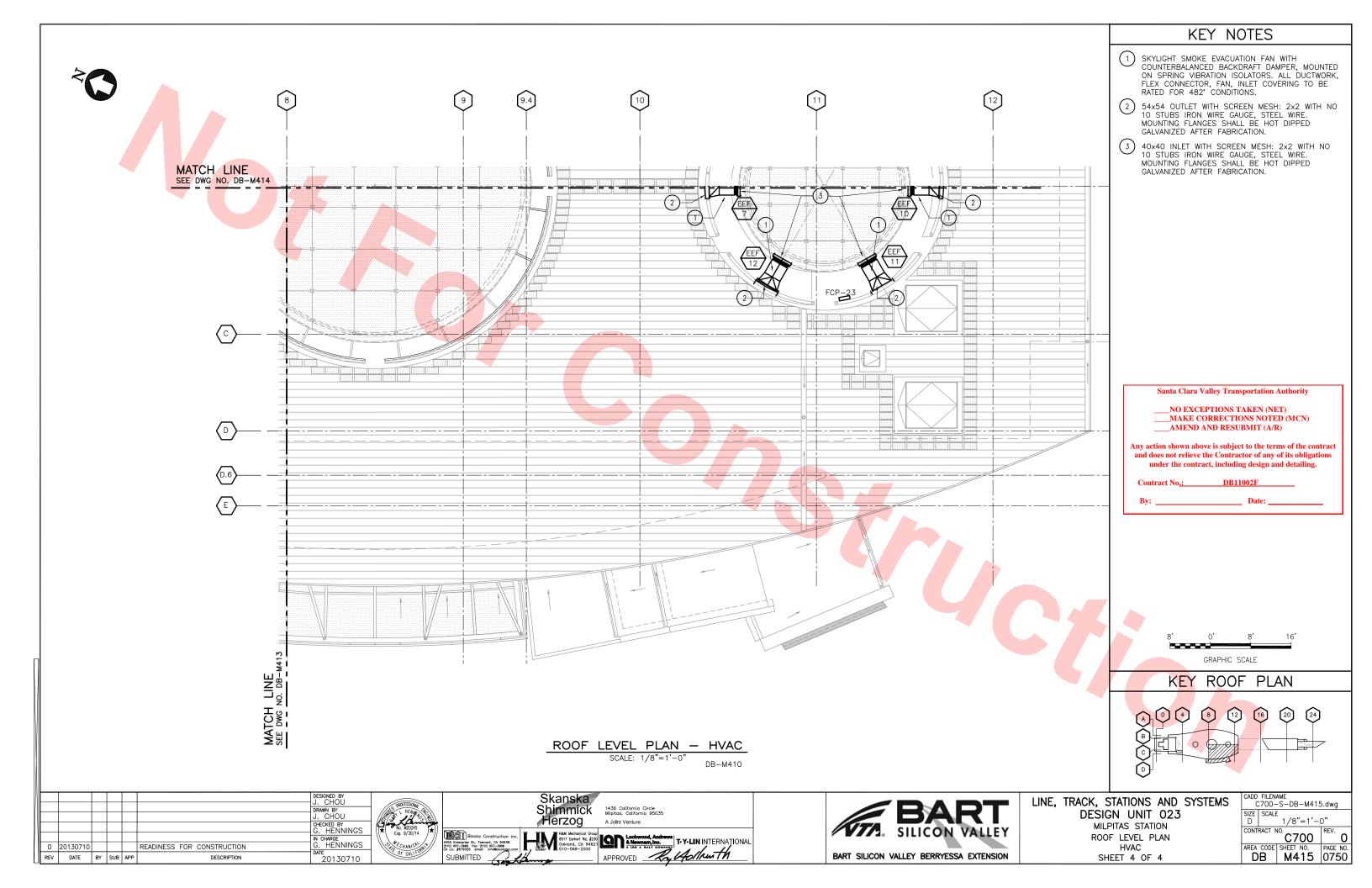
	KEY NOTES
8	 SKYLIGHT SMOKE EVACUATION FAN WITH COUNTERBALANCED BACKDRAFT DAMPER, MOUNTED ON SPRING VIBRATION ISOLATORS. ALL DUCTWORK, FLEX CONNECTOR, FAN, INLET COVERING TO BE RATED FOR 482° CONDITIONS. SEE SHEET M364. 54x54 OUTLET WITH SCREEN MESH: 2x2 WITH NO 10 STUBS IRON WIRE GAUGE, STEEL WIRE. MOUNTING FLANGES SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. 40x40 INLET WITH SCREEN MESH: 2x2 WITH NO 10 STUBS IRON WIRE GAUGE, STEEL WIRE. MOUNTING FLANGES SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. 40x40 INLET WITH SCREEN MESH: 2x2 WITH NO 10 STUBS IRON WIRE GAUGE, STEEL WIRE. MOUNTING FLANGES SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
	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:
MATCH LINE SEE DWG NO. DB-M414	$\frac{8' 0' 8' 16'}{GRAPHIC SCALE}$ $KEY ROOF PLAN$
	TATIONS AND SYSTEMS N UNIT 023 PITAS STATION F LEVEL PLAN HVAC CADD FILENAME C700-S-DB-M412.dwg SIZE SCALE D 1/8"=1'-0" CONTRACT NO. REV. 0 AREA CODE SHEET NO. PAGE NO.
N SH	EET 1 OF 4 DB M412 0747

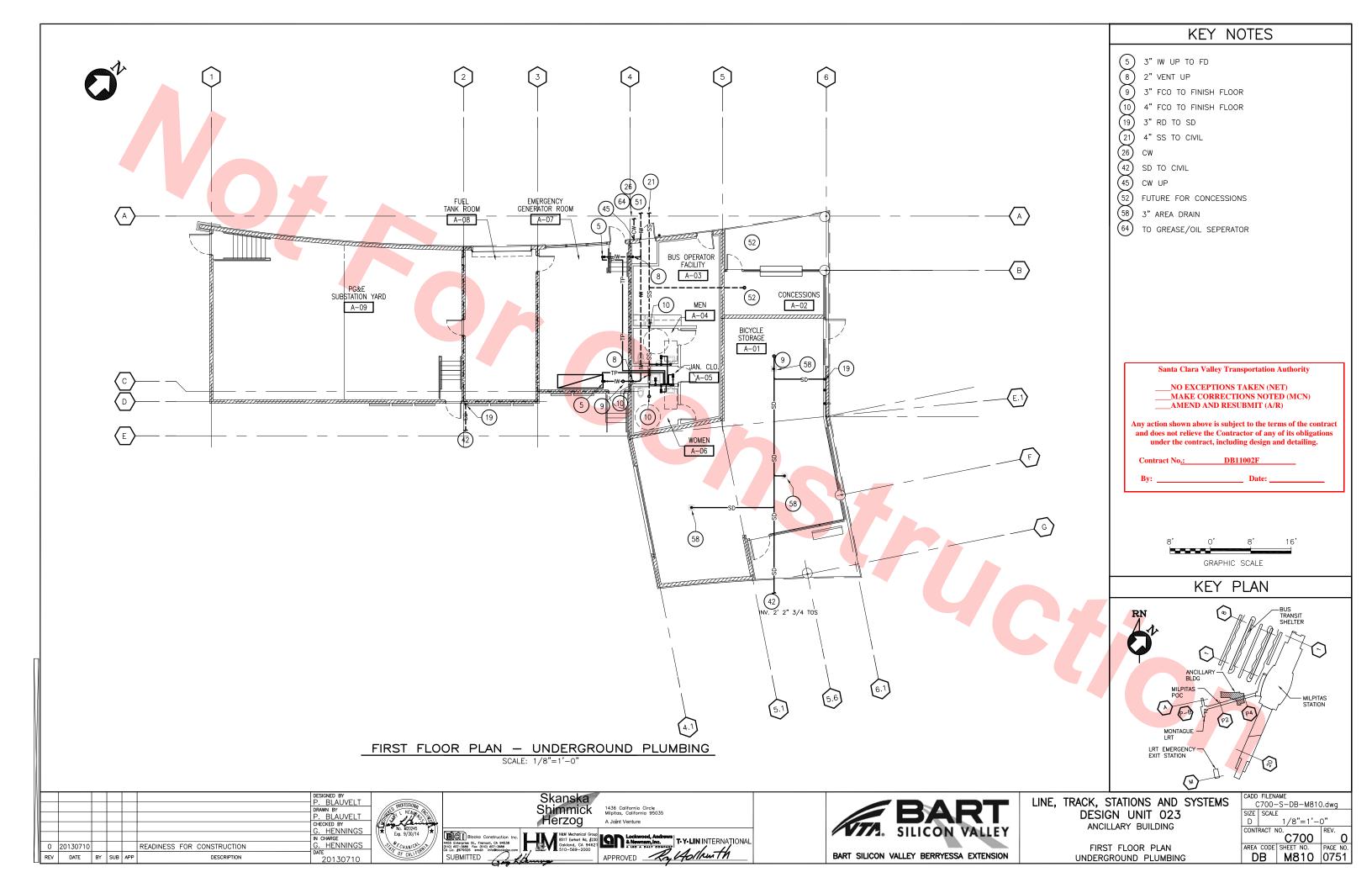


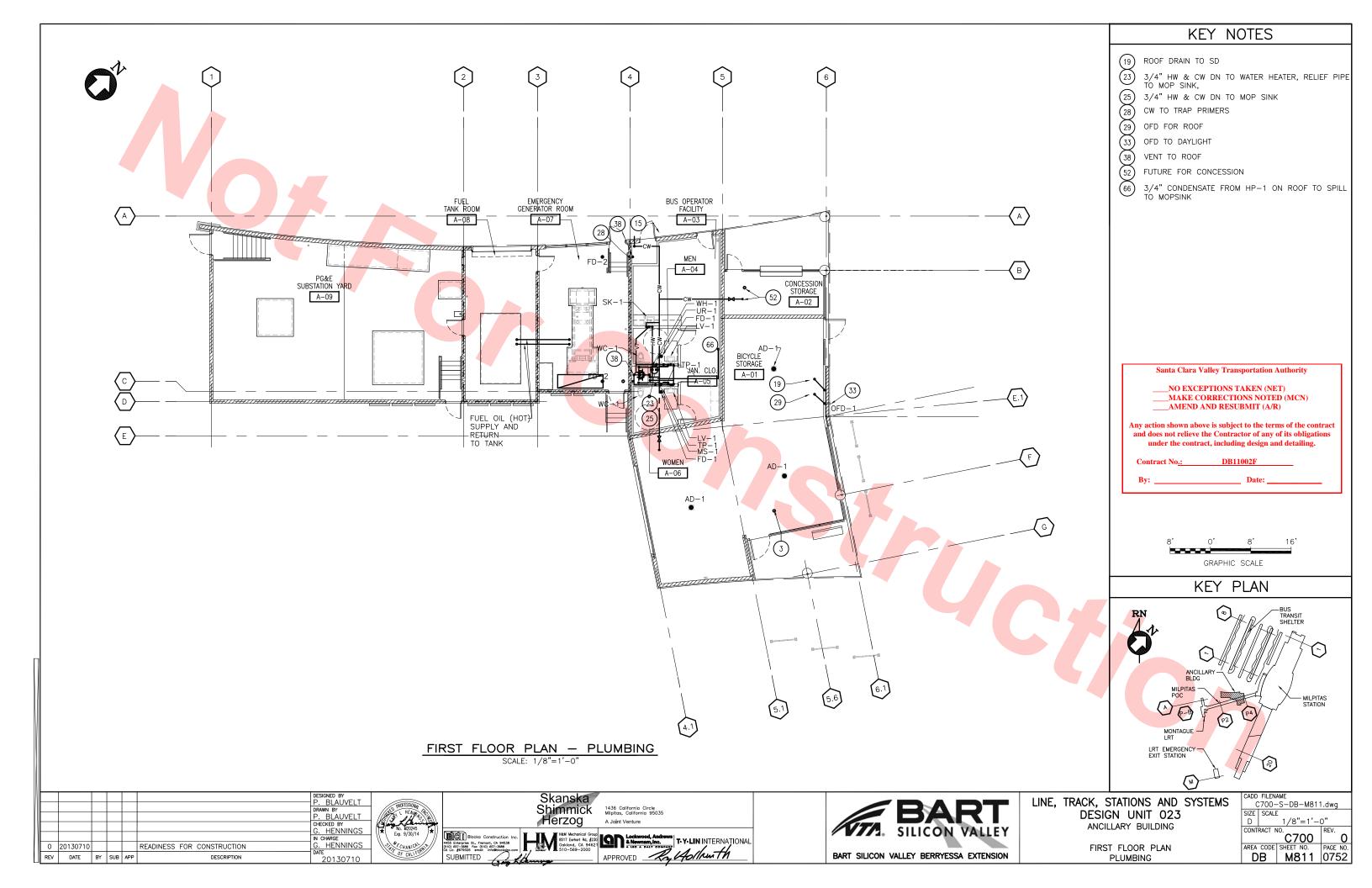
KEY NOTES 1 SKYLIGHT SMOKE EVACUATION FAN WITH COUNTERBLANCED BACKDRAFT DAMEER, MOUNTED COUNTERBLANCED BACKDRAFT DAMEER, MOUNTED COUNTERBLANCED FARMENT COUNTED WITH SCREENT COUNTED STATES NAME CAUGE, STELL WHEN WOUTING STUBS: IRON WHE CAUGE, STELL WHEN WOUTING STUBS: IRON WHESH: 32.2 WITH NO 10 STUBS: IRON WHE CAUGE, STELL WHEN WOUTING STUBS: IRON WHESH: 32.2 WITH NO 10 STUBS:			
COUNTERBALANCED BACKOBART DAMEER, MOUNTER, FLEX CONNECTOR, FAN, INLET COVERING TO BE NATED FOR 492 CONDITIONS. (2) 54554 OUTLET WITH SCREEN MESH: 2x2 WITH NO 10 STUBS IRON WHE CAUGE. STELL WHERE MOUNTING FLANCES SHALL BE HOT OIPPED GALVANEED AFTER FABRICATION. (3) 4040 INLET WITH SCREEN MESH: 2x2 WITH NO 10 STUBS IRON WHE CAUGE. STELL WHERE MOUNTING FLANCES SHALL BE HOT OIPPED GALVANEED AFTER FABRICATION. (3) 4040 INLET WITH SCREEN MESH: 2x2 WITH NO 10 STUBS IRON WHE CAUGE. STELL WHERE MOUNTING FLANCES SHALL BE HOT OIPPED GALVANEED AFTER FABRICATION. (4) MOUNTING FLANCES SHALL BE HOT OIPPED GALVANEED AFTER FABRICATION. (5) MOUNTING FLANCES SHALL BE HOT OIPPED GALVANEED AFTER FABRICATION. (6) MOUNTING FLANCES SHALL BE HOT OIPPED GALVANEED AND RESONNED INCOME. (7) MARK CORRECTIONS NOTED (MCN) MARK CORRECTIONS TAKEN (NET) MILET AS INTON MILET AS INTON ROOF LEVEL PLAN HAC			KEY NOTES
SYMERION SYMERION LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 MUPITAS STATION ROF LEVEL PLAN HVAC O' 8' 16' CONTRACT NO, TAKEN (NET) MUPITAS STATION MUPITAS STATION ROF LEVEL PLAN FUNCTION STAKEN (NET) CONTRACT NO, TRUE MARK MUPITAS STATION MU			 COUNTERBALANCED BACKDRAFT DAMPER, MOUNTED ON SPRING VIBRATION ISOLATORS. ALL DUCTWORK, FLEX CONNECTOR, FAN, INLET COVERING TO BE RATED FOR 482° CONDITIONS. 2 54x54 OUTLET WITH SCREEN MESH: 2x2 WITH NO 10 STUBS IRON WIRE GAUGE, STEEL WIRE. MOUNTING FLANGES SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. 3 40x40 INLET WITH SCREEN MESH: 2x2 WITH NO 10 STUBS IRON WIRE GAUGE, STEEL WIRE. MOUNTING FLANGES SHALL BE HOT DIPPED
SYMERION SYMERION LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 MUPITAS STATION ROF LEVEL PLAN HVAC O' 8' 16' CONTRACT NO, TAKEN (NET) MUPITAS STATION MUPITAS STATION ROF LEVEL PLAN FUNCTION STAKEN (NET) CONTRACT NO, TRUE MARK MUPITAS STATION MU			
Under the contract, including design and detailing. Contract No <u>: DB11002F</u> By: Date: By: Date: GRAPHIC SCALE KEY ROOF PLAN INTER TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 MILPITAS STATION ROOF LEVEL PLAN HVAC			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
GRAPHIC SCALE GRAPHIC SCALE KEY ROOF PLAN			under the contract, including design and detailing. Contract No <u>.: DB11002F</u>
LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 MILPITAS STATION ROOF LEVEL PLAN HVAC		7	GRAPHIC SCALE
LINE, TRACK, STATIONS AND SYSTEMS DESIGN UNIT 023 MILPITAS STATION ROOF LEVEL PLAN HVAC LINE, TRACK, STATIONS AND SYSTEMS C700–S–DB–M413.dwg SIZE SCALE D 1/8"=1'-0" CONTRACT NO. C700 AREA CODE SHEET NO. PAGE NO.	E S C H		
		DESIG MILF ROOF	TATIONS AND SYSTEMS C700-S-DB-M413.dwg IN UNIT 023 SIZE SCALE PITAS STATION 1/8"=1'-0" ELEVEL PLAN C700 REV. HVAC AREA CODE SHEET NO. PAGE NO.

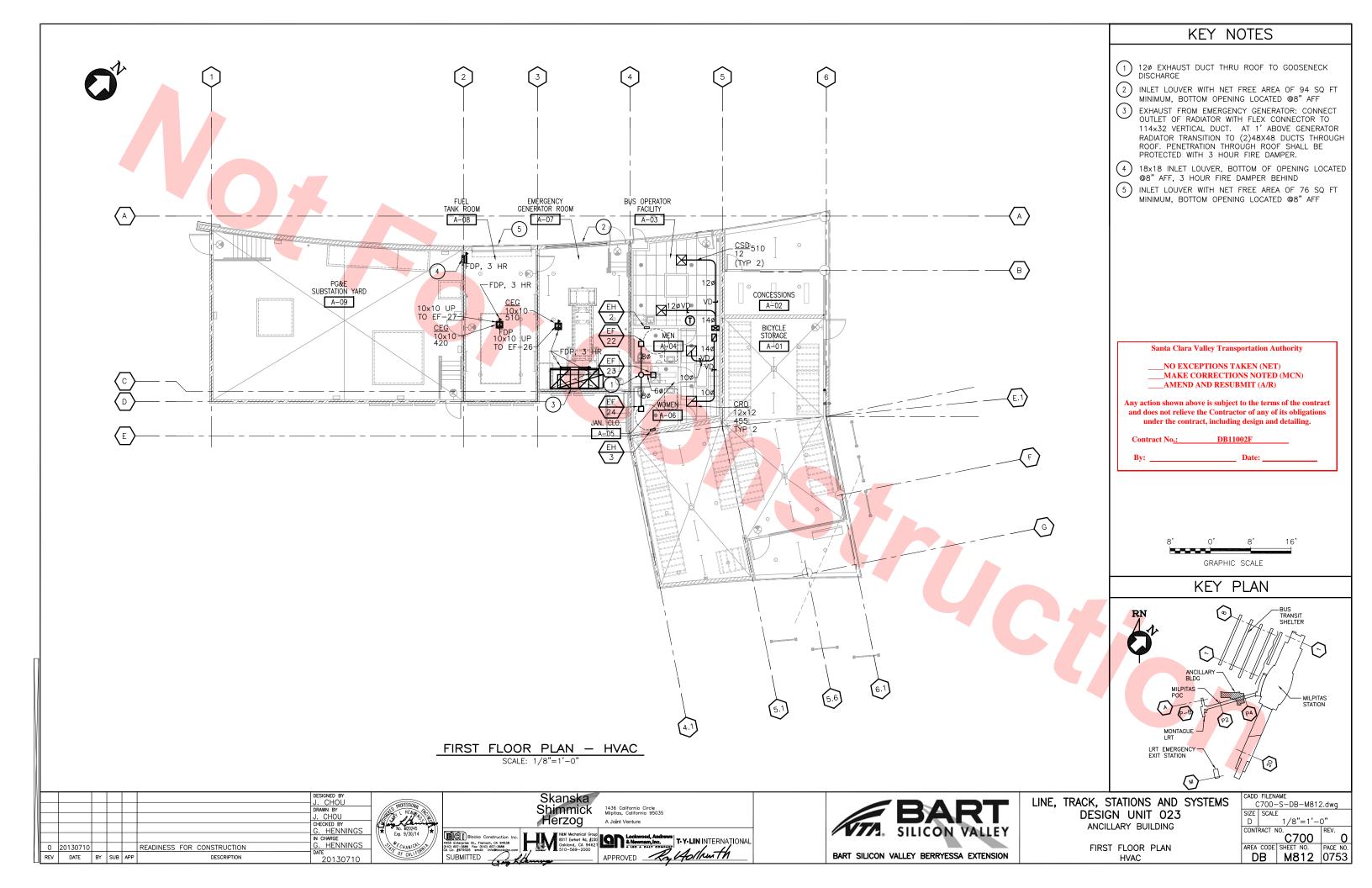


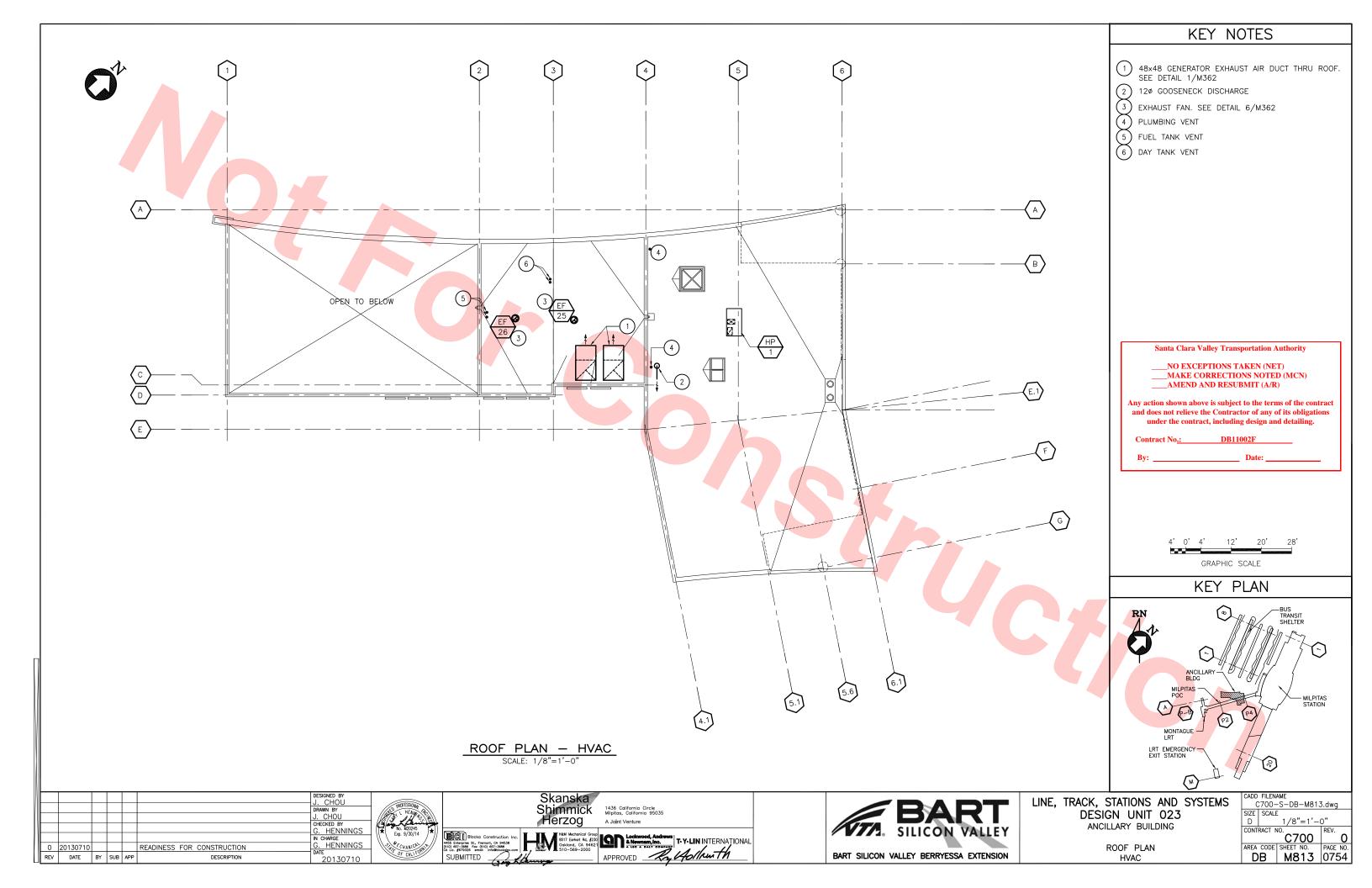
KEY NOTES 1 SKYLIGHT SMOKE EVACUATION FAN WITH COUNTERBALANCED BACKDRAFT DAMPER, MOUNTED ON SPRING VIBRATION ISOLATORS. ALL DUCTWORK, FLEX CONNECTOR, FAN, INLET COVERING TO BE RATED FOR 482' CONDITIONS. 2 54x54 OUTLET WITH SCREEN MESH: 2x2 WITH NO 10 STUBS IRON WIRE GAUGE, STEEL WIRE. MOUNTING FLANGES SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. 3 40x40 INLET WITH SCREEN MESH: 2x2 WITH NO 10 STUBS IRON WIRE GAUGE, STEEL WIRE. MOUNTING FLANGES SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. 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 Contract No.: 8' 16 GRAPHIC SCALE KEY ROOF PLAN A 0 012 (3) 16 20 24 0 CADD FILENAME C700-S-DB-M414.dwg LINE, TRACK, STATIONS AND SYSTEMS SIZE SCALE D 1/8"=1'-0" DESIGN UNIT 023 MILPITAS STATION REV. 0 CONTRACT NO. ^{′′}C700 ROOF LEVEL PLAN HVAC AREA CODE SHEET NO PAGE NO. SHEET 3 OF 4 DB M414 0749

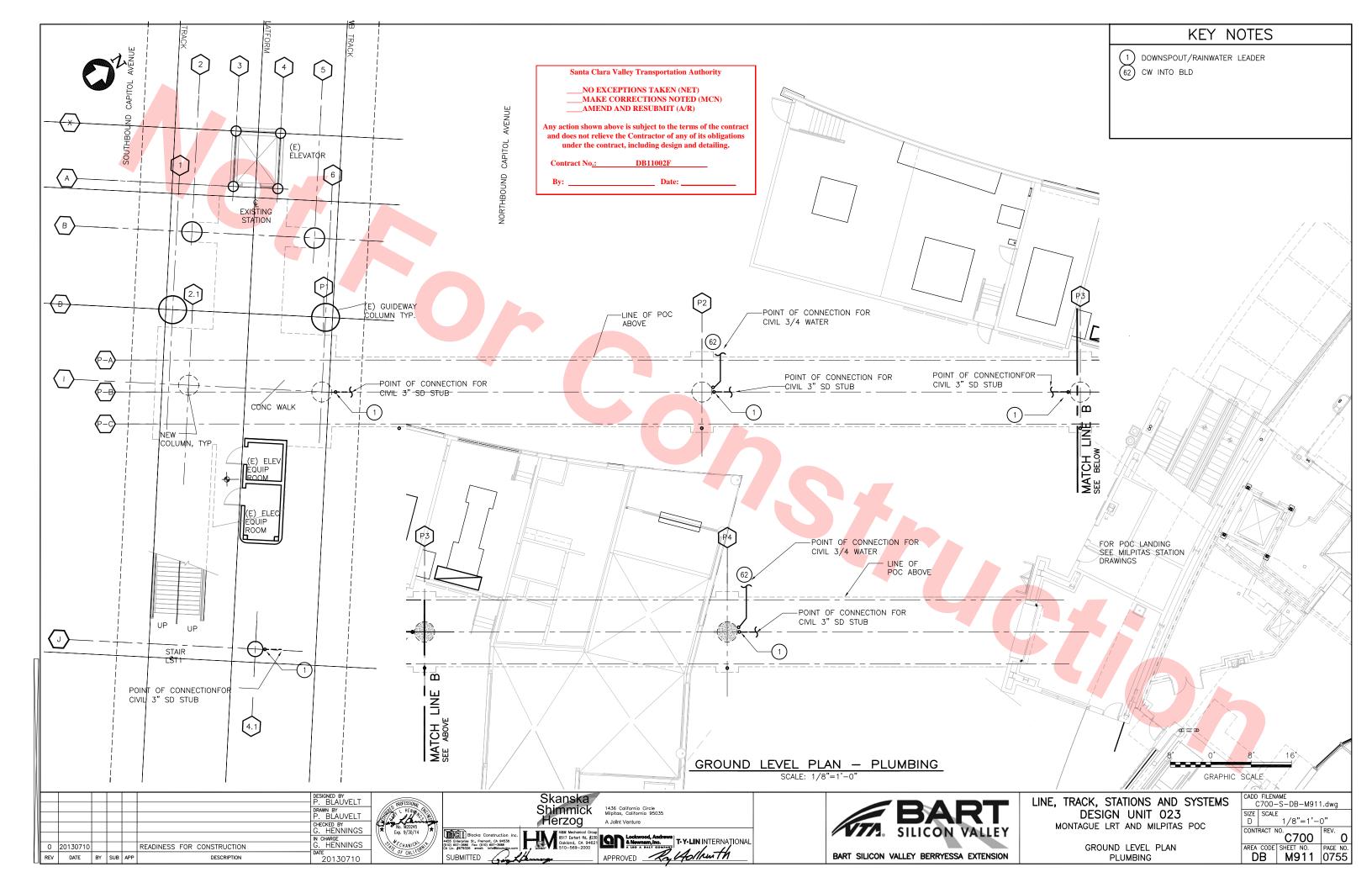


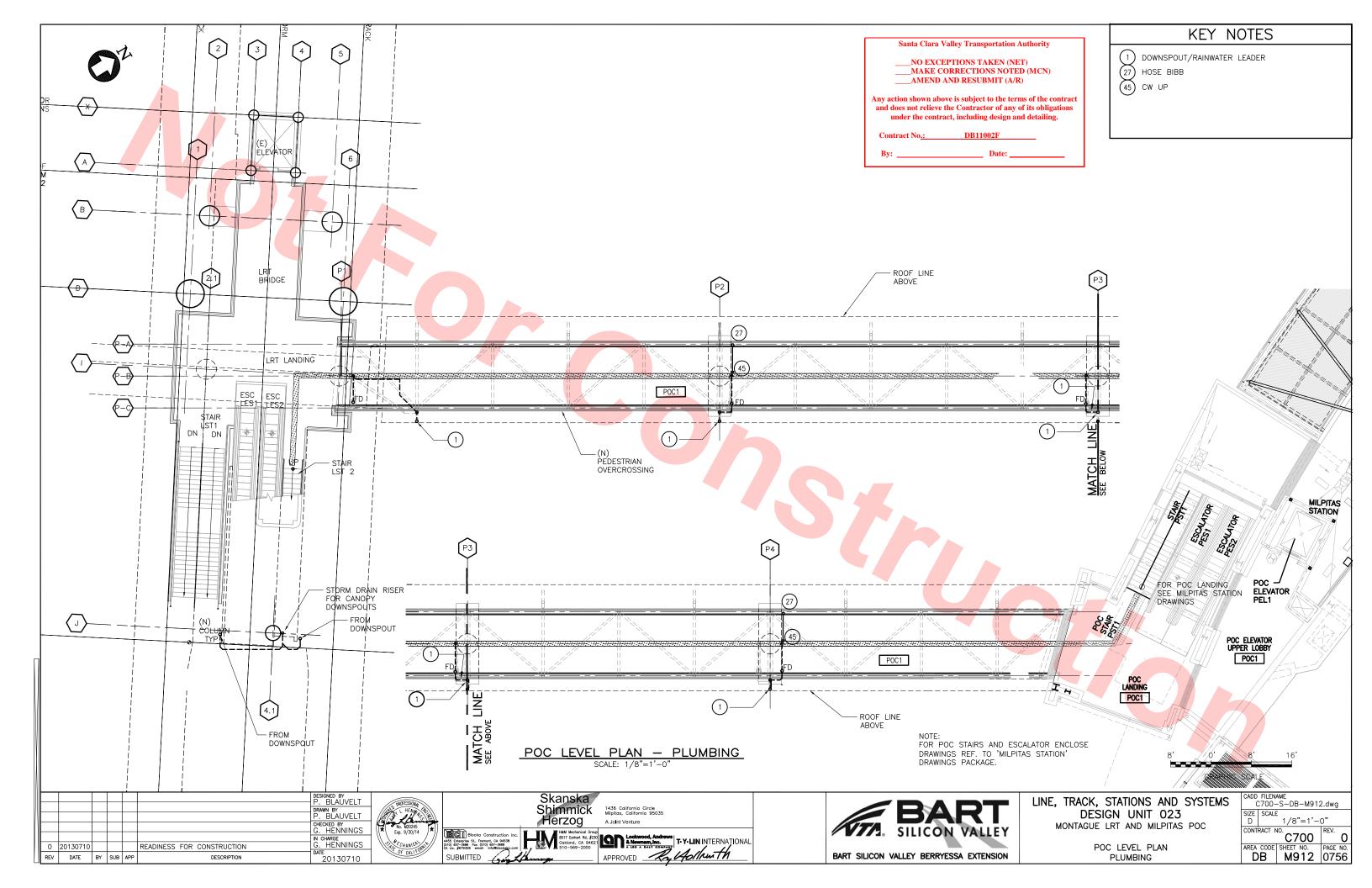


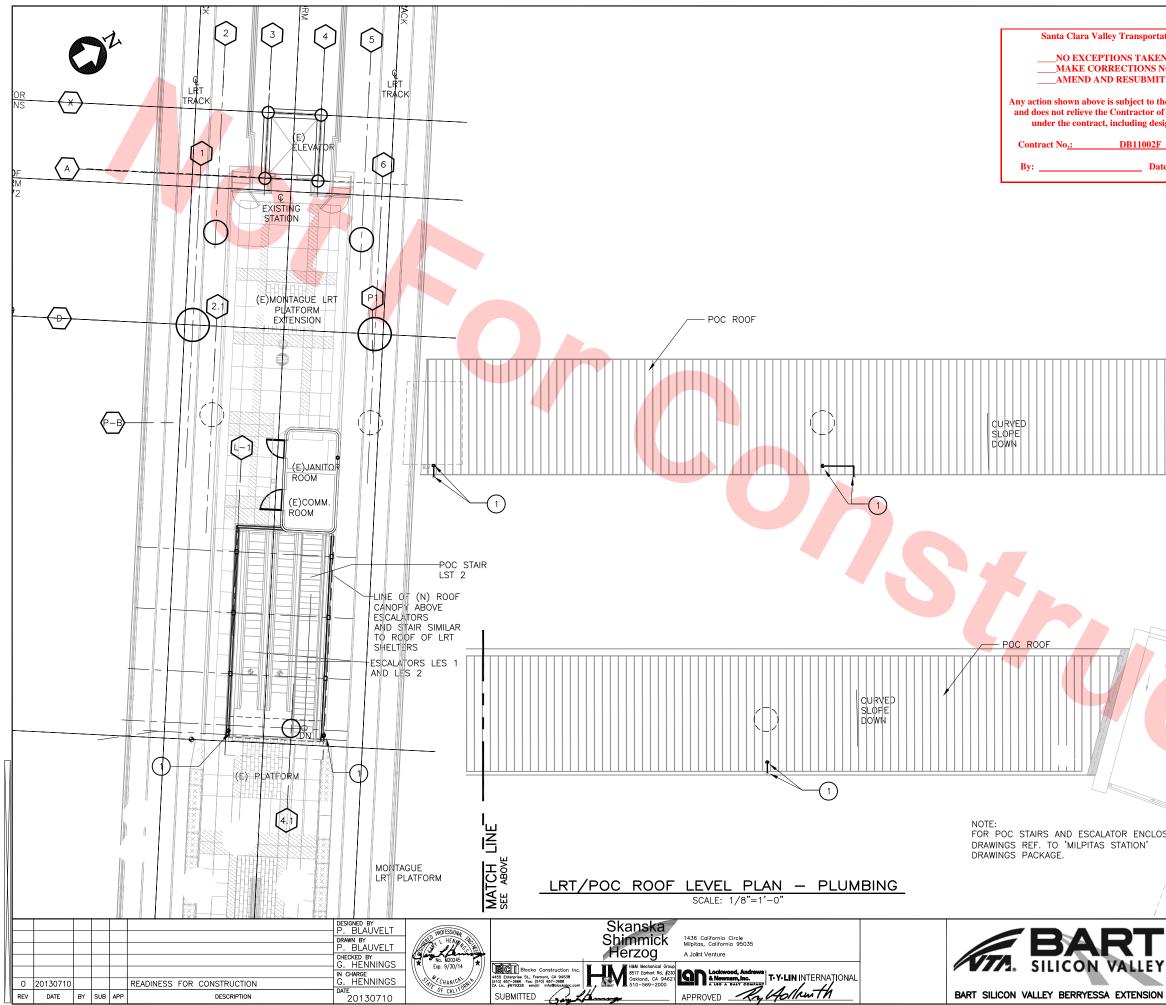












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MONTAG	UE LRT AND MILPITAS	POC	CONTRACT NO. C700	REV. 0
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