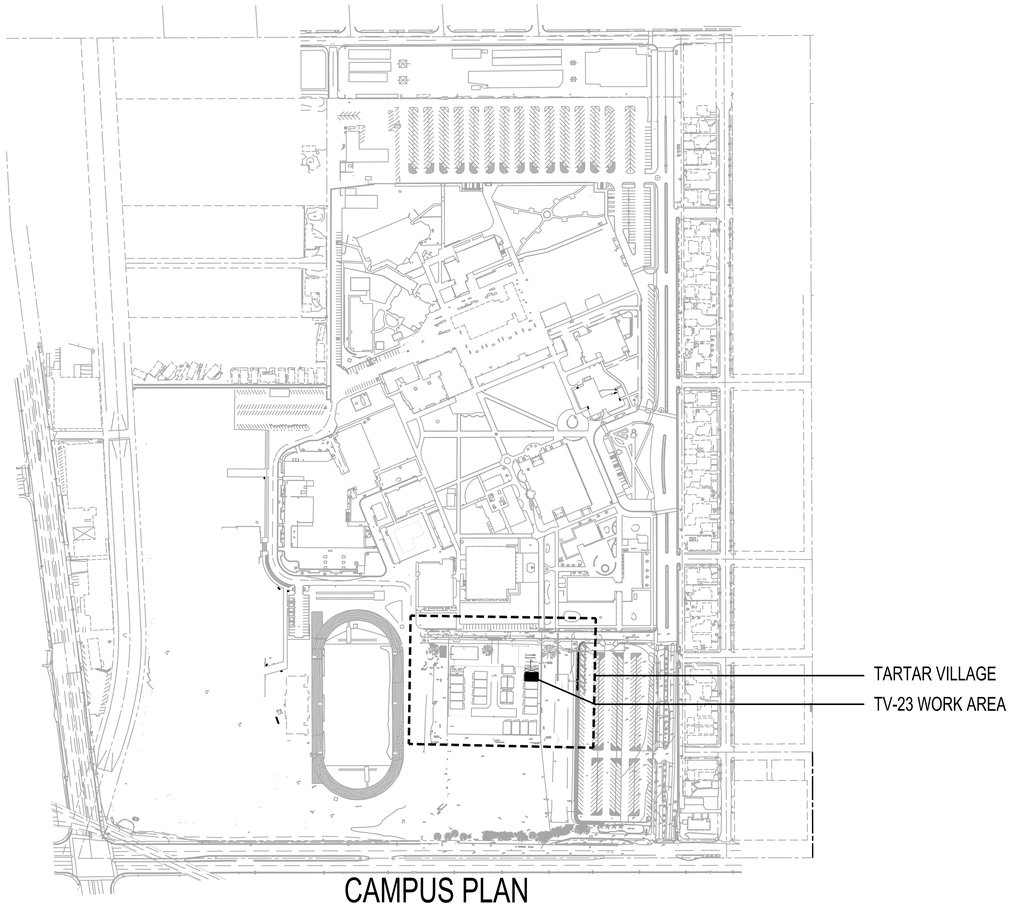
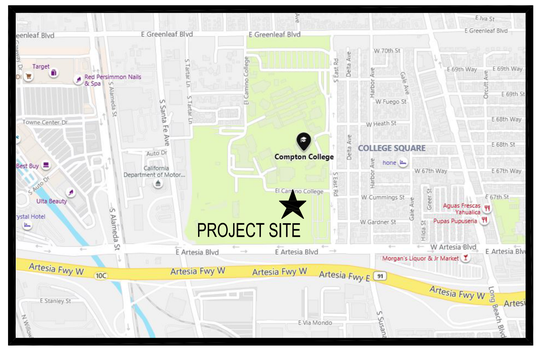
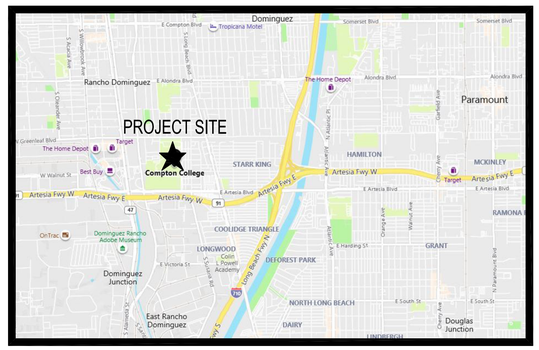
COMPTON COLLEGE
BIO-TECH CLASSROOM IN TV-23
TARTAR VILLAGE



CAMPUS PLAN



VICINITY MAP



REGIONAL MAP

north

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Architecture
Planning
Interiors

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122681 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/15/2022

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COMPTON COLLEGE
Bio-Tech Classroom in TV23

COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221

owner

tBP project number : 21105.00
file name:
drawn by: checked by:
date: 10/01/2023

Rev:	date:	description:

drawing title:
COVER SHEET

drawing no.:
T-1

ABBREVIATIONS

&	AND	(E)	EXISTING
∠	ANGLE	EA.	EACH
@	AT	E.J.	EXPANSION JOINT
℄	CENTERLINE	ELEC.	ELECTRICAL
Ø	DIAMETER OR ROUND	ELEV.	ELEVATION
#	NUMBER	EMER.	EMERGENCY
		ENCL.	ENCLOSURE
AB	ANCHOR BOLT	ENG	ENGINEER
AC	ASPHALTIC CONCRETE	ENGY	ENERGY
ACP	ACOUSTICAL PANEL	ENTR	ENTRANCE
ACT	ACOUSTICAL TILE	EP	EPOXY ENAMEL
ACOUS	ACOUSTICAL	EQ.	EQUAL
AD	AREA DRAIN	EQUIP.	EQUIPMENT
ADH	ADHESIVE	EST.	ESTIMATE
ADJ	ADJACENT	E.W.C.	ELECTRIC WATER COOLER
AFF	ABOVE FINISH FLOOR	EWH	ELECTRIC WATER HEATER
AFP	ACCORDIAN FOLDING PARTITION	EXH	EXHAUST
AGGR	AGGREGATE	EXIST.	EXISTING
ALT	ALTERNATE	EXP.	EXPANSION
ALUM	ALUMINUM	EXPSD.	EXPOSED
AMP	AMPERE	EXT.	EXTERIOR
ANOD	ANODIZED		
APPROX	APPROXIMATELY	F	FACTORY FINISH
ARCH	ARCHITECT	F.A.	FIRE ALARM
ASB	ASBESTOS	FC	FOOTCANDLE
ASSY	ASSEMBLY	F.D.	FLOOR DRAIN
		FDC	FIRE DEPARTMENT CONNECTION
BAT	BATTERY	FDN	FOUNDATION
BBD	BULLETIN BOARD	F.E.	FIRE EXTINGUISHER
BD	BOARD	F.E.C.	FIRE EXTINGUISHER CABINET
BLDG	BUILDING	F.F.	FINISH FLOOR
BLKG	BLOCKING	F.G.	FINISHED GRADE
BLO	BLOWER	F.H.	FIRE HYDRANT
BLR	BOILER	FIN.	FINISH
BLW	BELOW	F.L.	FLOW LINE
BM	BEAM	FLASH.	FLASHING
BO	BOTTOM OF	FLR.	FLOOR
BRKR	BREAKER	FLUOR.	FLUORESCENT
BTU	BRITISH THERMAL UNIT	F.O.	FACE OF
BUR	BUILT UP ROOFING	F.O.C.	FACE OF CONCRETE
		F.O.F.	FACE OF FINISH
CAB	CABINET	F.O.M.	FACE OF MASONRY
CARP	CARPET	F.O.S.	FACE OF STUD
CAT	CATALOG	FPP	FOLDING PANEL PARTITION
CB	CATCH BASIN	FPW	FOLDING PANEL WOOD DOOR
CEM	CEMENT	F.R.	FIRE RETARDANT
CF	CURB FACE	F.R.A.	FIRE RATED ASSEMBLY
CFM	CUBIC FEET PER MINUTE	F.R.P.	FIBERGLASS REINFORCED PANEL
CHBD	CHALKBOARD	F.S.	FLOOR SINK
CHEM	CHEMICAL	FT.	FOOT OR FEET
CHWR	CHILLED WATER RETURN	FTG.	FOOTING
CHWS	CHILLED WATER SUPPLY	FURR.	FURRING
CI	CAST IRON	FXTR	FIXTURE
CIR	CIRCLE		
CJ	CONTROL JOINT	G.	GAS
CL	CENTERLINE	GA.	GAGE
CLG	CEILING	GALV.	GALVANIZED
CLO	CLOSET	GB	GRAB BAR
CLRM	CLASSROOM	G.I.	GALVANIZED IRON
CMT	CERAMIC MOSAIC TILE	GL.	GLASS
CMU	CONCRETE MASONRY UNIT	GLU.LAM.	GLUE LAMINATED
CND	CONDUIT	GND.	GROUND
CO	CLEANOUT	GPM	GALLONS PER MINUTE
COL	COLUMN	GR.	GRADE
COMM	COMMUNICATION	GYP.	GYPSUM
COMP	COMPOSITION		
CONC	CONCRETE	H.B.	HOSE BIBB
CONF	CONFERENCE	HCN	HOLLOW CORE NATURAL FINISH
CONN	CONNECTION	HCP	HOLLOW CORE PAINT FINISH
CONT	CONTINUOUS	HDBD.	HARDBOARD
CONTR	CONTRACTOR	HDR	HEADER
COORD	COORDINATE	HDW.	HARDWARE
CORR	CORRIDOR	HDWD.	HARDWOOD
COV	COVER	HGT.	HEIGHT
CP	CONTROL PANEL	H.M.	HOLLOW METAL
CR	CONDENSATE RETURN	HORIZ.	HORIZONTAL
CSWK	CASEWORK	HP	HORSEPOWER
CT	CERAMIC TILE	HR.	HOUR
CTSK	COUNTERSUNK	HTG.	HEATING
CTV	CABLE TELEVISION	HTWR	HOT WATER RETURN
CW	COLD WATER	HTWS	HOT WATER SUPPLY
		HVAC	HEATING, VENTILATING, AIR CONDITIONING
DBL	DOUBLE		
DEMO	DEMOLITION	HVY	HEAVY
DEPT	DEPARTMENT	HW	HOT WATER
DET	DETAIL		
DF	DRINKING FOUNTAIN	I.D.	INSIDE DIAMETER
DG	DECOMPOSED GRANITE	I.E.	INVERT ELEVATION
DIA	DIAMETER	INSUL.	INSULATION
DIM	DIMENSION	INT.	INTERIOR
DISP.	DISPENSER	INV.	INVERT
DIST.	DISTANCE	IW	IRRIGATION WATER
DIV.	DIVISION		
D.L.	DEAD LOAD	JAN.	JANITOR
DN.	DOWN	JCT.	JUNCTION
DS.	DOWN SPOUT	JT.	JOINT
DWG.	DRAWING		

K	KIP (1000 LB)	R.	RISER
KIT.	KITCHEN	RAD.	RADIUS
KO	KNOCKOUT	R.D.	ROOF DRAIN
KVA	KILOVOLT AMPERE	RDWD.	REDWOOD
		REF.	REFERENCE
LAB.	LABORATORY	REFR.	REFRIGERATOR
LAM.	LAMINATED	REG.	REGISTER
LAV.	LAVATORY	REINF.	REINFORCING
LB.	POUND	REQD.	REQUIRED
LDG	LANDING	RESIL.	RESILIENT
LL	LIVE LOAD	RET	RETURN
LT	LIGHT	REV.	REVERSE
LTF	LINOLEUM TILE FLOORING	RFG	ROOFING
LTG	LIGHTING	RM.	ROOM
LVL	LEVEL	R.O.	ROUGH OPENING
LVR	LOUVER	R.T.F.	RUBBER TILE FLOORING
MAINT	MAINTENANCE	S.B.	SPLASH BLOCK
MAN	MANUAL	S.C.	SOLID CORE
MAS	MASONRY	SCHED.	SCHEDULE
MATL.	MATERIAL	SCN	SOLID CORE NATURAL FINISH
MAX.	MAXIMUM	SCP	SOLID CORE PAINT FINISH
MCC	MOTOR CONTROL CENTER	SCPL	SOLID CORE P.LAM FINISH
MECH.	MECHANICAL	S.D.	STORM DRAIN
MED	MEDIUM	SECT.	SECTION
MEZZ	MEZZANINE	SF	SQUARE FOOT
MFR.	MANUFACTURER	SHT.	SHEET
MH	MANHOLE	SIM.	SIMILAR
MIN.	MINIMUM	SLR	SEALER
MIR	MIRROR	SPEC.	SPECIFICATIONS
MISC.	MISCELLANEOUS	SPLY	SUPPLY
MKR	MARKER	SQ.	SQUARE
MTL.	METAL	S.SK.	SERVICE SINK
MTD.	MOUNTED	SST.	STAINLESS STEEL
MUL.	MULLION	ST	STREET
MVBL	MOVABLE	STAG	STAGGERED
		STC	SOUND TRANSMISSION CLASS
(N)	NEW	STD.	STANDARD
NAT.	NATURAL	STL.	STEEL
NEG	NEGATIVE	STN	STAIN FINISH
N.I.C.	NOT IN CONTRACT	STOR	STORAGE
NO.	NUMBER	STRUCT.	STRUCTURAL
NOM.	NOMINAL	SURF	SURFACE
N.T.S.	NOT TO SCALE	SUSP.	SUSPENDED
		SV	SHEET VINYL
O.A.	OVERALL	SWBD	SWITCHBOARD
O.C.	ON CENTER	SWGR	SWITCHGEAR
O.D.	OUTSIDE DIAMETER	SWR	SEWER
O.F.	OVERFLOW DRAIN	SYM.	SYMBOL
OFCI	OWNER FURNISHED-CONTRACTOR INSTALLED	SYS	SYSTEM
OFF	OFFICE	T.	TREAD
OFOI	OWNER FURNISHED-OWNER INSTALLED	T. & B.	TOP AND BOTTOM
		T. & G.	TONGUE AND GROOVE
OPNG.	OPENING	T.C.	TOP OF CURB
OPP.	OPPOSITE	TD	TRENCH DRAIN
OVHD	OVERHEAD	TECH	TECHNICAL
		TEL.	TELEPHONE
PART.	PARTITION	TEMP.	TEMPERATURE
PB	PULL BOX	T.G.	TOP OF GRATE
PBD	PARTICLEBOARD	THK	THICK
PC	PORTLAND CEMENT	THRES.	THRESHOLD
PD	PLANTER DRAIN	THRU	THROUGH
PERF	PERFORATED	TKBD	TACKBOARD
PERP	PERPENDICULAR	T.O.	TOP OF
PE	PAINT EGGSHELL	T.O.P.	TOP OF PARAPET
PF	PAINT FLAT	TOT	TOTAL
PG	PAINT GLOSS	T.P.	TOP OF PAVING
P.H.	PANIC HARDWARE	TRNSF.	TRANSFORMER
PIV	POST INDICATOR VALVE	TW	TOP OF WALL
P.L.	PROPERTY LINE	TYP.	TYPICAL
PL.	PLATE		
P.LAM.	PLASTIC LAMINATE	UGND	UNDERGROUND
PLAS.	PLASTER	UNFIN.	UNFINISHED
PLAT.	PLATFORM	U.N.O.	UNLESS NOTED OTHERWISE
PLBG	PLUMBING	U.O.S.	UNDERSIDE OF STRUCTURE
PLF	POUNDS PER LINEAR FOOT	UR.	URINAL
PLYWD.	PLYWOOD	UTIL	UTILITY
PNL	PANEL		
POS	POSITIVE	V	VOLT
PR.	PAIR	VAC	VACUUM
PREFAB	PREFABRICATED	VAV	VARIABLE AIR VOLUME
PREFIN	PREFINISHED	V.C.T.	VINYL COMPOSITION TILE
PRELIM	PRELIMINARY	VERT.	VERTICAL
PROJ	PROJECT	VEST.	VESTIBULE
PSF	POUNDS PER SQUARE FOOT	VFWC	
PSG	PAINT SEMI-GLOSS		
PSI	POUNDS PER SQUARE INCH	W	WATT
PVC	POLYVINYL CHLORIDE	W/	WITH
		W.C.	WATER CLOSET
Q.T.	QUARRY TILE	WD.	WOOD
QTY	QUANTITY	WDW.	WINDOW
		WHSE	WAREHOUSE
		WL	WIND LOAD
		WLD	WELDED
		WP	WORKING POINT
		WPG	WATERPROOFING
		WR	WATER RESISTANT
		WSCT.	WAINSCOT
		WT	WEIGHT
		W.W.F.	WELDED WIRE FABRIC
		XFMR	TRANSFORMER

DRAWING LIST

TOTAL NO. OF DRAWINGS: 11

GENERAL

NO. OF DRAWINGS: 2

*CIVIL DRAWINGS

NO. OF DRAWINGS: 1

ARCHITECTURAL DRAWINGS

NO. OF DRAWINGS: 3

*PLUMBING DRAWINGS

NO. OF DRAWINGS: 2

*ELECTRICAL DRAWINGS

NO. OF DRAWINGS: 3

Statement of General Conformance

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS,
INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

(Application No. 03-122681 **File No.** 19-C1 **)**

☒ The drawings or sheets listed on the cover or index sheet (containing (*) in discipline title)
☐ This drawing, page of specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

This Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317 (b))

I find that: ☒ All drawings or sheets listed on the cover or index sheet, marked by asterisk (*)
☐ This drawing or page

is/are in general conformance with the project design, and has/have been coordinated with the project plans and specifications.

Signature — Date: 10/18/2022
Architect or Engineer designated to be in general responsible charge
GARY MOON
Print Name
C-25409 — License Number
7-31-2023 — Expiration Date

☐ is/are in general conformance with the project design intent, and
☐ has/have been coordinated with the project plans and specifications.

Signature — Date
Architect or Engineer delegated responsibility for this portion of the work
Print Name
License Number — Expiration Date

CODE REFERENCE

LIST OF APPLICABLE CODES:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2019 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR
2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
2019 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), PART 11, TITLE 24 CCR
2019 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

APPLICABLE STANDARDS
FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

GENERAL NOTES

ALL WORK TO CONFORM TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CHANGE ORDERS APPROVED BY THE DIVISIONS OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24 CCR).

A 'DSA CERTIFIED' INSPECTOR WITH CLASS (3) CERTIFICATION IS REQUIRED FOR THIS PROJECT

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SCHOOL BOARD SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

DRINKING WATER WELL SHALL COMPLY WITH ALL LOCAL HEALTH DEPARTMENT REQUIREMENTS.

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AN APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR).

SCOPE OF WORK

THIS PROJECT CONSISTS OF RENOVATION OF AN EXISTING 24X40 PORTABLE CLASSROOM TO A BIO-LAB CLASSROOM.
THE SCOPE INCLUDES CASEWORK, A SINK AND ELECTRICAL INFRASTRUCTURE.

PREVIOUS DSA APPLICATION NUMBERS AND CERTIFICATION STATUS:
A#03-117449 10/10/2017 -#1- CERTIFICATION & CLOSE OF FILE
A# 03-116878: 8/02/2017 - #1-CERTIFICATION & CLOSE OF FILE
A# 03-116846: 5/08/2017 - #1-CERTIFICATION & CLOSE OF FILE
A# 03-117040: 9/01/2017 - #1-CERTIFICATION & CLOSE OF FILE
A# 03-117205: 9/25/2017 - #1-CERTIFICATION & CLOSE OF FILE
A# 55943: 8/09/1994 - #1 CLOSE LETTER TYPE

ALL FIRE ALARM DEVICES SHOWN ON THIS PLAN WERE INSTALLED UNDER A# 03-117449 AND ARE EXISTING TO BE PROTECTED IN PLACE.

PROJECT DIRECTORY

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MECHANICAL ENGINEER
POCOCK DESIGN SOLUTIONS, INC.
14451 CHAMBERS ROAD, SUITE 210
TUSTIN, CA 92780
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STRUCTURAL ENGINEER
VCA ENGINEERS INC.
2151 MICHELSON DRIVE #240
IRVINE, CA 92612
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FAX NO. - (949) 679-9370

ELECTRICAL ENGINEER
FBA ENGINEERING
150 PAULARINO AVENUE, SUITE A120
COSTA MESA, CA 92626
PHONE : (949) 852-9995

REFERENCE SYMBOLS

FULL BUILDING SECTION
A / A-4 — LETTER ABOVE - SECTION; NUMBER BELOW - SHEET NUMBER (A / A-4)

PARTIAL BUILDING SECTION / WALL SECTION
B / A-4 — LETTER ABOVE - SECTION; NUMBER BELOW - SHEET NUMBER

EXTERIOR ELEVATION
1 / A-3 — NUMBER ABOVE - ELEVATION NUMBER; NUMBER BELOW - SHEET NUMBER

DETAIL
2 / 3.01 — NUMBER ABOVE - DETAIL NUMBER; NUMBER BELOW - SHEET NUMBER

ROOM IDENTIFICATION WITH INTERIOR ELEVATION REFERENCES
101 / 2 / A-5 — NUMBER ABOVE - ROOM NUMBER; INTERIOR ELEVATION - (REFERENCE ONLY THOSE DRAWN); NUMBER BELOW - SHEET NUMBER

INTERIOR ELEVATION IDENTIFICATION
101 / 2 — NUMBER ABOVE - ROOM NUMBER; INTERIOR ELEVATION REFERENCE

DOOR NUMBER IDENTIFICATION
101 — DOOR NUMBER - REFER TO DOOR SCHEDULE

WINDOW TYPE IDENTIFICATION
A — WINDOW TYPE - REFER TO WINDOW DETAILS

CASEWORK IDENTIFICATION
CASE HEIGHT 34 — B 202 — 24 CASE DEPTH; W.I.C. MODEL NUMBER; CASE LENGTH 36 — L LOCKABLE - IF REQUIRED

TOILET ACCESSORY IDENTIFICATION
3 — TOILET ROOM ACCESSORY NUMBER

KEYNOTE REFERENCE
2 / 2 / 2 — KEYNOTE REFERENCE NUMBER

COLOR REFERENCE
CT-3 — COLOR REFERENCE - REFER TO COLOR SCHEDULE

WALL TYPE REFERENCE
A — WALL TYPE - REFER TO SHEET 4.01

WALL TYPES

EXISTING WALL / PARTITION
CONCRETE WALL
DEMOLISHED WALL
1-HR RATED WALL
NEW WALL / PARTITION
2-HR RATED WALL
MASONRY WALL
MASONRY VENEER WALL

MATERIAL SYMBOLS

EARTH
PLYWOOD
RIGID INSULATION
SAND & GROUT
FINISH WOOD
ACOUSTICAL CEILING
CONCRETE
LATH & PLASTER
MASONRY
GYPSUM BOARD
STEEL
BATT INSULATION

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122681 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/15/2022

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LICENSED ARCHITECT GARY PAGE MOON NO. C-25409 REN 7-31-2023 STATE OF CALIFORNIA

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COMPTON COMMUNITY COLLEGE DISTRICT
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COMPTON, CA 90221
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tBP project number : 21105.00
file name: 00T-2_INDEX.dwg
drawn by: WF checked by:
date: 10/01/2023

Rev:	date:	description:

drawing title:
SHEET INDEX, GEN. NOTES AND SYMBOLS

drawing no.:
T-2

DOMESTIC WATER GENERAL NOTES

1. DOMESTIC WATER PIPING SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE PROJECT SPECIFICATIONS, THE 2021 EDITION OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION – GREEN BOOK", AND THE 2019 CALIFORNIA PLUMBING CODE WITH AMENDMENTS.
2. LOCATION OF EXISTING UTILITIES SHOWN, HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION. HOWEVER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE TRUE LOCATION OF ANY EXISTING UTILITIES AND TO EXERCISE PROPER PRECAUTION TO AVOID INJURY OR DAMAGE THERETO.
3. WATER VALVE BOXES SHALL BE SET FLUSH WITH ULTIMATE FINISH SURFACE.
4. SOLID COPPER WIRE TYPE THWN, 12 AWG GAUGE, WITH HEAT AND MOISTURE RESISTANT INSULATION SHALL BE INSTALLED ALONG TOP OF PVC PIPE WHERE INSTALLED ON SCHOOL PROPERTY.
5. NEW ON-SITE WATER LINES, RUNNING PARALLEL WITH EXISTING OR NEW SEWER LINES, SHALL BE PLACED A MINIMUM OF 1 FOOT HORIZONTALLY & 1 FOOT HIGHER THAN SEWER.
6. FINAL STERILIZATION TEST PRIOR TO COMPLETION AS OBSERVED BY THE DSA INSPECTOR OF RECORD.
7. INJECT SOLUTION OF LIQUID CHLORINE OR SODIUM HYPOCHLORITE AND WATER CONTAINING AT LEAST 50 PPM OF FREE CHLORINE INTO A SYSTEM IN A MANNER TO ENSURE THAT ENTIRE SYSTEM IS COMPLETELY FILLED WITH SOLUTION. DURING THIS PROCEDURE OPERATE VALVES AND TEST OUTLETS FOR RESIDUAL CHLORINE. CONTINUE INJECTION UNTIL OUTLETS INDICATE AT LEAST 59 PPM OF FREE CHLORINE.
8. AFTER INJECTION, ISOLATE SYSTEM AND HOLD SOLUTION IN RETENTION FOR A PERIOD OF AT LEAST 8 HOURS. PERFORM TESTS FOR RESIDUAL CHLORINE AFTER RETENTION. IF SUCH TESTS INDICATE LESS THAN 50 PPM OF RESIDUAL CHLORINE, REPEAT ENTIRE PROCEDURE. AFTER SATISFACTORY STERILIZATION HAS BEEN VERIFIED, FLUSH ENTIRE SYSTEM UNTIL ALL TRACES OF CHLORINE HAVE BEEN REMOVED OR UNTIL CHLORINE CONTENT IS NO GREATER THAN IN EXISTING WATER SUPPLY.

SANITARY SEWER GENERAL NOTES

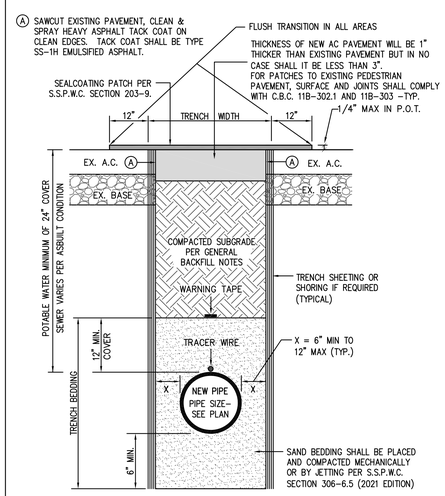
1. SANITARY SEWER PIPING SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE PROJECT SPECIFICATIONS, THE 2021 EDITION OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION – GREEN BOOK", AND THE 2019 CALIFORNIA PLUMBING CODE WITH AMENDMENTS.
2. CLEANOUT LIDS SHALL BE SET FLUSH WITH ULTIMATE FINISH GRADE. CLEANOUTS SHALL BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE TO SECTIONS 707 AND 719 OF THE 2019 CALIFORNIA PLUMBING CODE.
3. THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITY CROSSINGS AND POINTS OF CONNECTION TO THE EXISTING SEWER SYSTEM PRIOR TO CONSTRUCTION OF THE SEWER LINES.
4. ALL SEWER LINES & CLEANOUTS SHALL BE STAKED BY A LICENSED SURVEYOR IF SLOPE OF GRADE IS LESS THAN 2%, AND A COMPLETE SET OF CUT SHEETS SHALL BE SUPPLIED TO THE INSPECTOR.
5. NO TRENCH IS TO BE BACKFILLED UNTIL INSPECTED BY THE INSPECTOR OF RECORD.
6. IN ORDER TO PREVENT ACCIDENTAL USE OF THE NEW SEWER PRIOR TO COMPLETION AND ACCEPTANCE OF THE WORK, THE OUTLET OR INLET TO EXISTING TIE-IN CLEANOUT(S) SHALL BE PLUGGED. INSTALLATION OF THESE PLUGS SHALL BE APPROVED BY THE INSPECTOR. PLUGS SHALL BE REMOVED ONLY AT THE DIRECTION OF INSPECTOR.
7. NEW SEWER LINES SHALL NOT BE CONNECTED TO THE EXISTING PUBLIC SEWER SYSTEM UNTIL THE NEW LINES HAVE BEEN TESTED PER SECTION 712.0 OF THE CURRENT CALIFORNIA PLUMBING CODE IN THE PRESENCE OF THE INSPECTOR OF RECORD.

SANITARY SEWER CONSTRUCTION NOTES:

- (S1) CONNECT NEW SEWER PIPE TO EXISTING 4" SEWER PIPE WITH FERNCO RUBBER COUPLING OR EQUAL.
- (S2) RELOCATE EXISTING CLEAN OUT & YARD BOX TO BE FLUSH WITH EXISTING ASPHALT PAVEMENT.
- (S3) CONSTRUCT 4" SDR-35 P.V.C. PIPE AND FITTINGS. CONSTRUCT PER TRENCHING DETAIL HEREON.

DOMESTIC WATER CONSTRUCTION NOTES:

- (W1) CONNECT NEW 3/4" WATER TO EXISTING 2" SCH. 80 PVC WATER WITH SCH. 80 PVC FITTINGS AND COUPLINGS.
- (W2) CONSTRUCT 3/4" SCH. 80 P.V.C. PIPE AND FITTINGS. CONSTRUCT PER TRENCHING DETAIL HEREON.



EXISTING ASPHALT AREAS
N.T.S.

TRENCH EXCAVATION, BEDDING, & BACKFILL NOTES:

EXCAVATION NOTE: THE 2019 CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (CAL/OSHA) WILL REQUIRE A PERMIT FOR THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE (5) FEET OR DEEPER AND INTO WHICH A PERSON IS REQUIRED TO DESCEND. FOR PERMIT PURPOSES, "DESCEND" MEANS TO ENTER ANY PART OF THE TRENCH OR EXCAVATION ONCE THE EXCAVATION HAS ATTAINED A DEPTH OF 5 FEET OR MORE. FOR REGULATIONS RELATING TO PERMITS FOR EXCAVATIONS AND TRENCHES, REFER TO THE CALIFORNIA CODE OF REGULATIONS TITLE 8, CHAPTER 3.2, ARTICLE 2, SECTION 341 OF THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (CAL/OSHA)

THE CONTRACTOR SHALL SUBMIT A DETAIL SHOWING THE DESIGN OR SHORING; BRACING SLOPING OR OTHER PROVISIONS TO BE MADE FOR WORKER PROTECTION FROM THE HAZARDS OF CAVING GROUND DURING THE EXCAVATION. THE PLAN SUBMITTED SHALL BE SIGNED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER CERTIFIED THAT THE PLAN COMPLIES WITH ALL OSHA CONSTRUCTION SAFETY ORDERS.

BEDDING MATERIAL SHALL BE COARSE SAND WITH SAND EQUIVALENT OF 35 OR GREATER. NO ANGULAR STONES OR PEA GRAVELS WILL BE ALLOWED IN PIPE BEDDING.

COMPACTION METHODS: ALL BEDDING & BACKFILL COMPACTION SHALL BE BY HAND-OPERATED, PLATE-TYPE, VIBRATORY, OR OTHER SUITABLE HAND-TAMPERS IN AREAS NOT ACCESSIBLE TO LARGER ROLLERS OR COMPACTERS. EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO CONDUITS, PIPES, AND ANY APPURTENANCES. BACKFILL DENSIFICATION BY INUNDATION OR JETTING SHALL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM CIVIL ENGINEER. SAND BEDDING SHALL BE PLACED AND COMPACTED MEETING S.S.P.W.C. SECTION 306-6.5 PLACEMENT AND COMPACTION, 2021 EDITION.

SHEETING: WHEN EXCAVATION DEPTHS OR SOIL CONDITIONS REQUIRE SHORING OR USE OF A TRENCH BOX, THE BOTTOM OF THE SHORING OR TRENCH BOX SHOULD BE PLACED NO LOWER THEN THE TOP OF THE PIPE. THIS PREVENTS DISRUPTION OF THE BACKFILL ENVELOPE WHEN REMOVING THE SHORING OR TRENCH BOX. IF THIS PRACTICE CANNOT BE FOLLOWED, CONSIDERATION SHOULD BE GIVEN TO LEAVING THE SHORING IN PLACE.

GENERAL BACKFILL NOTES:

EXCAVATED TRENCH MATERIAL TO BE INSTALLED FOR BACKFILLING SHALL BE CLEAN, FREE OF LARGE CLODS AND STONES LARGER THAN 3-INCHES IN ANY DIMENSION. INSTALL BACKFILL MATERIALS IN LAYERS NOT TO EXCEED 8 TO 10-INCHES IN THICKNESS. THE SUBGRADE BELOW PAVEMENT SHOULD BE COMPACTED TO A MINIMUM 90% RELATIVE COMPACTION PER ASTM D1557. IN LIEU OF USING NATIVE MATERIAL IN PAVED AREAS, THE USE OF A SLURRY BACKFILL MAY BE SUBSTITUTED. SAND SLURRY SHALL CONSIST OF 1 SACK PORTLAND CEMENT (CLASS 100-E-100) PER CUBIC YARD OF SAND SLURRY MIX. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ANY EXCESS BACKFILL MATERIAL FROM THE SITE.

WARNING TAPE NOTES (POTABLE WATER):

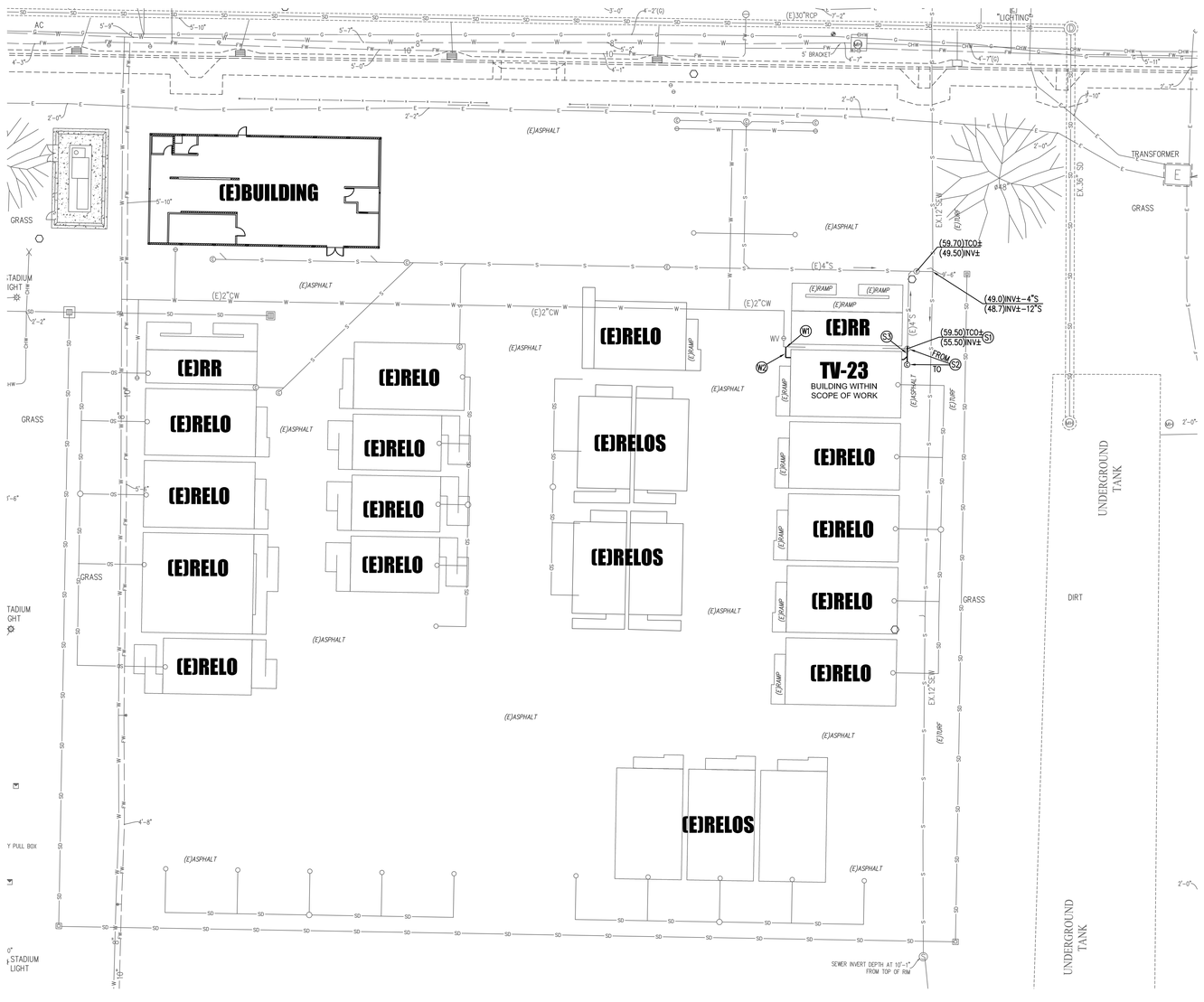
A METALLIC LINED TAPED FOR UNDERGROUND PIPES, MARKED "CAUTION BURIED WATER LINE BELOW", IN POLYETHYLENE FILM COLOR BLUE, INSTALLED ABOVE PIPE, MINIMUM 2" WIDE.

WARNING TAPE NOTES (SANITARY SEWER):

A METALLIC LINED TAPED FOR UNDERGROUND PIPES, MARKED "CAUTION BURIED SEWER LINE BELOW", IN POLYETHYLENE FILM COLOR GREEN, INSTALLED ABOVE PIPE, 6" WIDE.

UTILITY TRENCHING DETAIL

NOT TO SCALE



NOTE: CONTRACTOR IS REQUIRED TO RESTORE ALL EXISTING IMPROVEMENTS TO THE SAME CONDITION, THAT ARE NOT PART OF THIS PROJECT, THAT EXISTED PRIOR TO HIS STARTING CONSTRUCTION.

NOTE TO CONTRACTOR: BEFORE TRENCHING OCCURS, THE CONTRACTOR SHALL COMPLETE AN UNDERGROUND UTILITY MAPPING SURVEY ALONG THE PROPOSED TRENCHING ROUTE TO DETERMINE WERE EXISTING UTILITIES ARE AND WHERE POSSIBLE UNDERGROUND CONFLICTS MAY OCCUR.

UNDERGROUND UTILITY LINETYPE LEGEND

- S — S — NEW SANITARY SEWER
- W — W — NEW DOMESTIC WATER
- SD — SD — (E)STORM DRAIN
- W — W — (E)DOMESTIC WATER
- S — S — (E)SANITARY SEWER
- G — G — (E)GAS
- E — E — (E)ELECTRICAL/POWER
- C — C — (E)COMMUNICATIONS
- CHW — CHW — (E)CHILLED/HOT WATER
- SL — SL — (E)LIGHTING CONDUIT

1'-6" DEPTH FROM SURFACE — DEPTH OF (E)UTILITY ARE APPROXIMATE AND PROVIDED FROM THE UNDERGROUND UTILITY MAPPING SURVEY. ESTIMATED DEPTHS ARE FROM THE GROUND SURFACE TO THE CENTER OF THE FACILITY, INVERT OF WASTE LINES, OR TO THE FACILITY TRACER WIRE. DEPTH ESTIMATES SHOULD BE USED WITH CAUTION AND MAY VARY ALONG THE LENGTH OF THE FACILITY.

N

20 10 0 20 40 60

SCALE: 1" = 20'

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APP: 03-122681 INC:
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DATE: 12/15/2022

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FPL and Associates, Inc.
Traffic • Transportation • Civil
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Irvine, CA 92606
(949) 252-1688

REGISTERED PROFESSIONAL ENGINEER ALAN WING-CHI LEE No. C 34971 Exp. 09-30-23 CIVIL STATE OF CALIFORNIA

ALAN WING-CHI LEE — R.C.E. 34971 EXP. 09-30-23

consultant

COMPTON COLLEGE
Bio-Tech Classroom in TV23

COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221

owner

tBP project number : 21105.00
file name:
drawn by: FPL checked by: A. Lee
date: 10/01/2023

Rev:	date:	description:

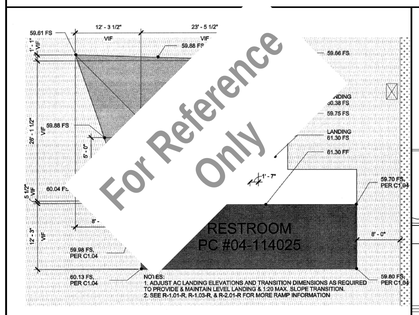
drawing title:

SITE WET UTILITY PLAN

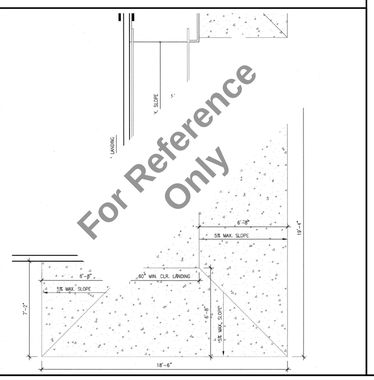
drawing no.:

C1.00

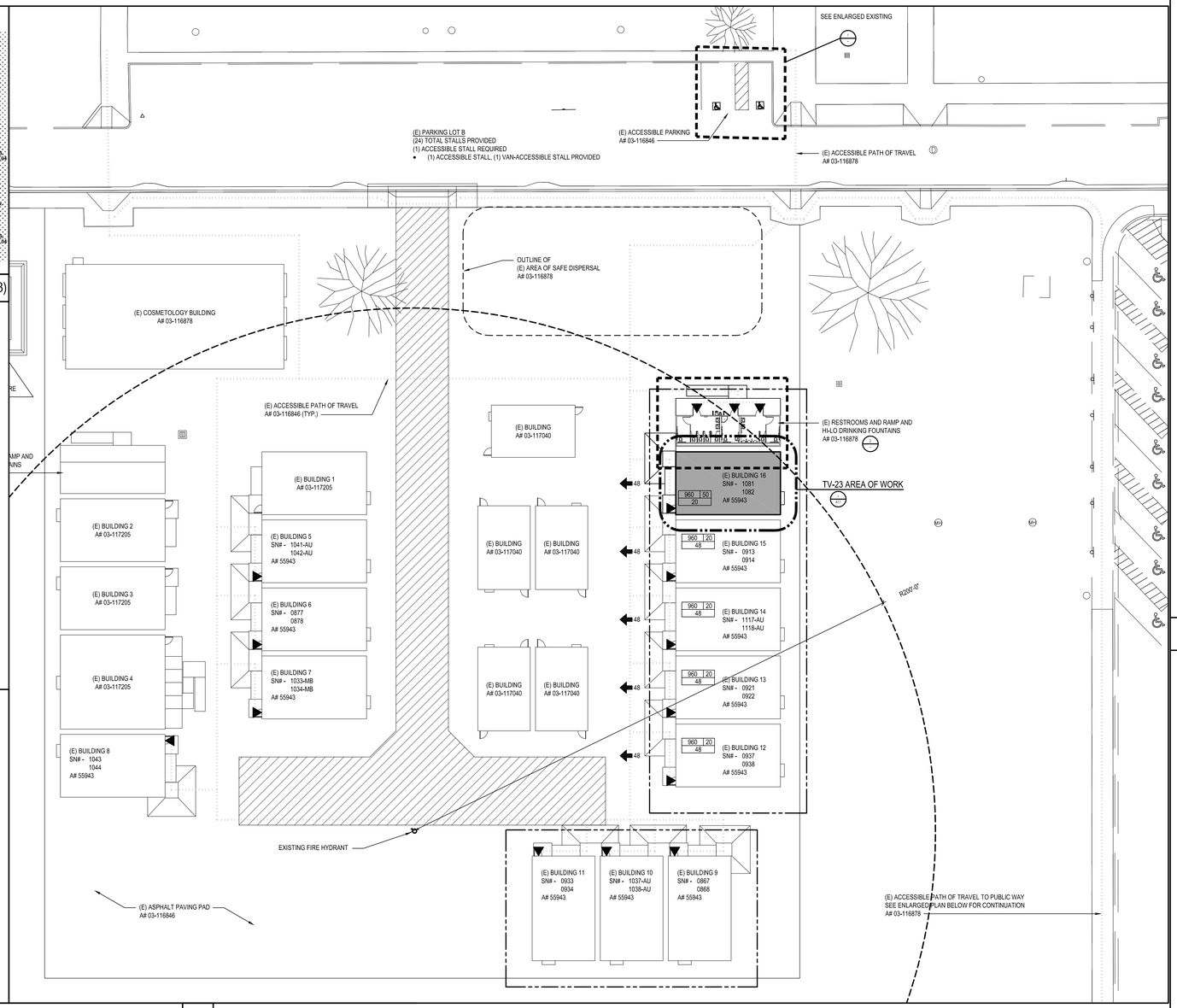
Plot Date: 11/7/2022 12:50:56 PM Last Save By: ron.carredy Login: Ron Carredy S:\Jobs\2757 - TBP Architects\2757NK - Compton College Bio Lab Classroom\Compton College Bio Lab - C1.00 Utility Plan.dwg



EXISTING R.R.ASPHALT LANDING TRANSITION (A# 03-116878)



EXISTING ACCESSIBLE RAMP (APP# 03-116846) | 3



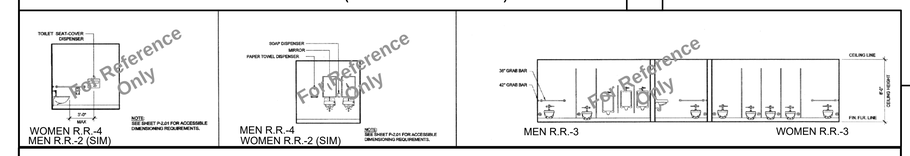
ENLARGED SITE PLAN

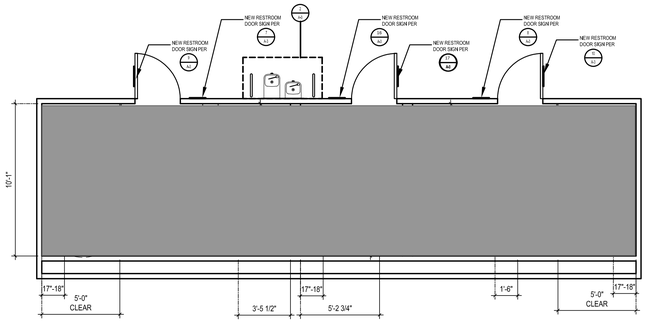
SCALE: 1"= 20'

0 5' 10' 20' 40'

NORTH

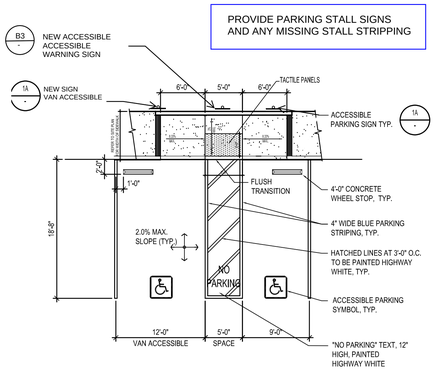
APP# 03-116878, # 03-116846, # 03-117449





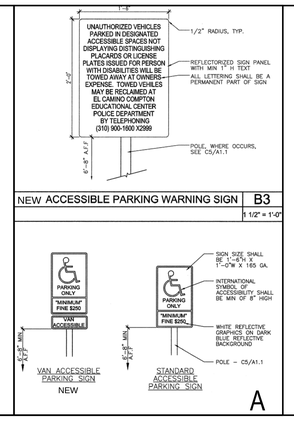
EXISTING RESTROOM BUILDING TV-24 FLOOR PLAN (APP# 03-116878) | 2

SCALE: 1/4" = 1'-0"



EXISTING ACCESSIBLE PARKING (APP# 03-116846) | 1

N.T.S.



LEGEND

- ACCESSIBLE ENTRY / EXIT
- EXISTING 20'- WIDE FIRE LANE
  NOTE: CONTRACTORS TRAILOR OR WORK AREA SHALL NOT BLOCK ANY PORTION OF ANY FIRE LANE
- AREA OF WORK BOUNDARY LINE
- PATH OF TRAVEL (SEE NOTE BELOW) DSA APP. NO.: 03-116878

PATH OF TRAVEL DEFINITION

PATH OF TRAVEL [DSA-AC] AN IDENTIFIABLE ACCESSIBLE ROUTE WITHIN AN EXISTING SITE, BUILDING OR FACILITY BY MEANS OF WHICH A PARTICULAR AREA MAY BE APPROACHED, ENTERED AND EXITED, AND WHICH CONNECTS A PARTICULAR AREA WITH AN EXTERIOR APPROACH (INCLUDING SIDEWALKS, STREETS AND PARKING AREAS), AN ENTRANCE TO THE FACILITY, AND OTHER PARTS OF THE FACILITY.

CBC 11B-302.1 FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM AND SLIP RESISTANT

CBC 11B-303.2 CHANGES IN LEVEL OF ¼ INCH HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE TREATMENT

CBC 11B-303.3 CHANGES IN LEVEL BETWEEN ¼ INCH HIGH MINIMUM AND ½ INCH HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.

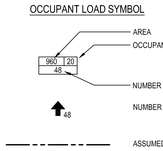
CBC 11B-307.2 OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES; AND NOT MORE THAN 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE 4" MAXIMUM HORIZONTALLY INTO THE CIRCULATION PATH.

CBC 11B-403.3 THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 5% (1:20). THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 2% (1:48).

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
THE P.O.T. IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS, AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

OCCUPANT LOAD SYMBOL



CODE ANALYSIS

EXISTING PORTABLE BUILDINGS - GROUP 4

OCCUPANCY GROUP: B
OCCUPANT LOAD FACTOR: 20 (CLASSROOM) BUILDINGS 12 - 15
50 (SCIENCE CLASSROOM) BUILDING 16
212 OCCUPANTS

CONSTRUCTION TYPE: TYPE V-B, NON-SPRINKLERED

ALLOWABLE HEIGHT PER TABLES 504.3, 504.4	ALLOWABLE	ACTUAL
NUMBER OF STORIES	2	1
BUILDING HEIGHT	40'-0"	14'-0"

ALLOWABLE BUILDING AREA	
BASIC ALLOWABLE AREA A(t) PER TABLE 506.2	9,000 S.F.
FRONTAGE INCREASE:	NOT USED
TOTAL ALLOWABLE AREA A(a)	9,000 S.F.
BUILDING 12 (CLASSROOM)	960 S.F.
BUILDING 13 (CLASSROOM)	960 S.F.
BUILDING 14 (CLASSROOM)	960 S.F.
BUILDING 15 (CLASSROOM)	960 S.F.
BUILDING 16 (SCIENCE CLASSROOM)	960 S.F.
RESTROOM BUILDING	480 S.F.
ACTUAL BUILDING AREA	5,280 S.F.

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tBP project number : 21105.00
file name:
drawn by: WF checked by:
date: 10/01/2023

Rev:	date:	description:

drawing title:
ENLARGED SITE PLAN

drawing no.:
AS-1

CASEWORK

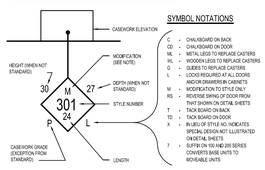
1. ONLY THOSE CABINETS CALLED OUT ON BUILDING INTERIOR ELEVATIONS AND FLOOR PLANS SHALL BE PROVIDED.
2. DOOR SWINGS SHALL BE AS SHOWN ON INTERIOR ELEVATIONS. IF NOT ELEVATED, SWINGS SHALL BE AS SHOWN ON DETAIL SHEET ILLUSTRATIONS. SYMBOL 'RS' INDICATES REVERSE SWING.
3. ALL CABINET DIMENSIONS INDICATED ARE NOMINAL OUTSIDE DIMENSIONS, AND SHALL NOT BE EXCEEDED; (EXCEPTION - CABINETS ADJACENT TO WALLS MAY BE INCREASED IN LENGTH TO ELIMINATE THE NEED FOR FILLER STRIPS). A 4" TOLERANCE IS PERMITTED ON DIMENSIONS OVER 48", FOR 48" AND SMALLER DIMENSIONS, TOLERANCE BE LIMITED TO 1/8. HEIGHT DIMENSION OF BASE CABINETS INCLUDES FINISHED TOP.
4. ALIGN SIDE OF CABINET WITH EDGE OF DOOR FRAME WHERE OCCURS.
5. PAPER AND CHART STORAGE UNITS SHALL BE 27" DEEP UNLESS OTHER WISE NOTED.

COUNTERTOPS AND BACKSPLASHES

1. WHERE BACKSPLASH IS INDICATED, IT SHALL BE 4" HIGH @ NON-SINK AREAS & 6" HIGH OR TO UNDERSIDE OF UPPER CABINETS @ WET AREAS (SEE INTERIOR ELEVATIONS). TOP MOUNTED TYPE, HAVING SQUARE TOP WITH SHELF EDGE.

NOTE:
SEE TYPICAL CASEWORK DETAILS 11/A7 20/A7

SYMBOLS AND NOTATIONS FOR CABINETS



SYMBOL NOTATIONS

C	-	CHALKBOARD ON BACK
CD	-	CHALKBOARD ON DOOR
ML	-	METAL LEGS TO REPLACE CASTERS
WL	-	WOODEN LEGS TO REPLACE CASTERS
G	-	GUIDES TO REPLACE CASTERS
L	-	LOCKS REQUIRED AT ALL DOORS AND/OR DRAWERS IN CABINETS
M	-	MODIFICATION TO STYLE ONLY
RS	-	REVERSE SWING OF DOOR FROM THAT SHOWN ON DETAIL SHEETS
T	-	TACK BOARD ON BACK
TD	-	TACK BOARD ON DOOR
X	-	IN LIEU OF STYLE NO. INDICATES SPECIAL DESIGN NOT ILLUSTRATED ON DETAIL SHEETS
7	-	SUFFIX ON 100 AND 200 SERIES CONVERTS BASE UNITS TO MOVEABLE UNITS

COUNTERTOP NOTATIONS

LAM. PLAS.	-	LAMINATED PLASTIC
HD. BD.	-	HARDBOARD
HDWD.	-	HARDWOOD
CST	-	COMPOSITION STONE
LAB. GRADE	-	ACID-RESISTANT LAMINATED PLASTIC
EP. RES.	-	EPOXY RESIN

CASEWORK GRADES

P	-	PREMIUM
C	-	CUSTOM (TYPICAL GRADE U.N.O.)
E	-	ECONOMY
LAB	-	LABORATORY

STYLE 324
GLASS S & R DOORS
1/4" tempered glass

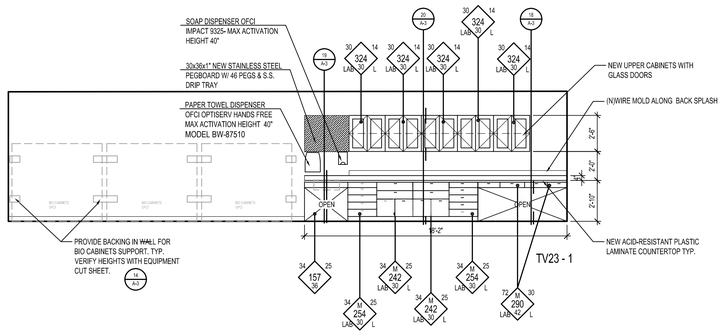
STYLE 157
SINK /
6" EXPOSED APRON

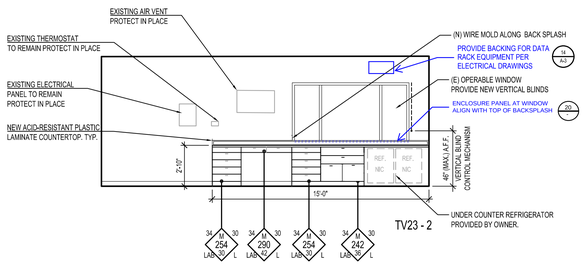
STYLE 254

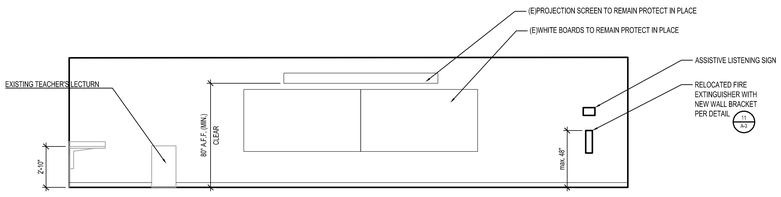
STYLE 290
DRAWER APRON
6" HIGH, EQUAL DRAWER WIDTHS

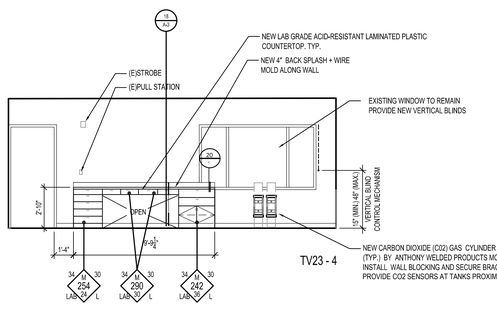
STYLE 242
FILE DRAWERS W/
FULL EXTENSION SLIDES
& FILE FOLLOWER OR HANGING SYSTEM

WIC CABINET DESIGN REFERENCE
NTS

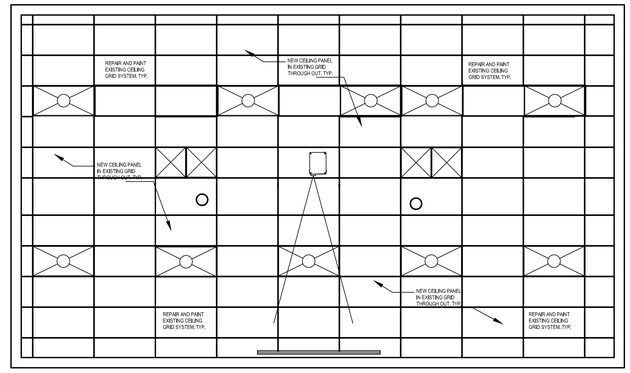








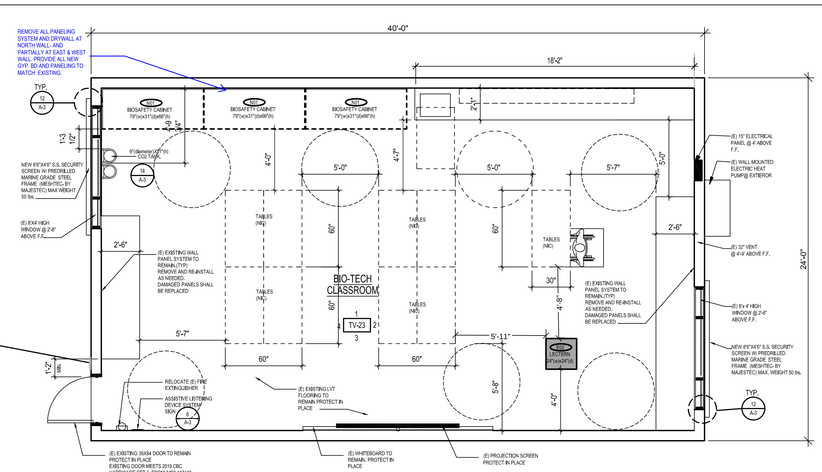
INTERIOR ELEVATION PLAN
SCALE: 1/4"=1'-0"



NOTE:
EXISTING CEILING GRID, LIGHT FIXTURES, PROJECTOR, SMOKE DETECTORS AND MECHANICAL GRILLS TO REMAIN.
SEE CONSTRUCTION NOTES FOR ADDITIONAL SCOPE OF WORK

NORTH
0 1' 2' 4' 8'

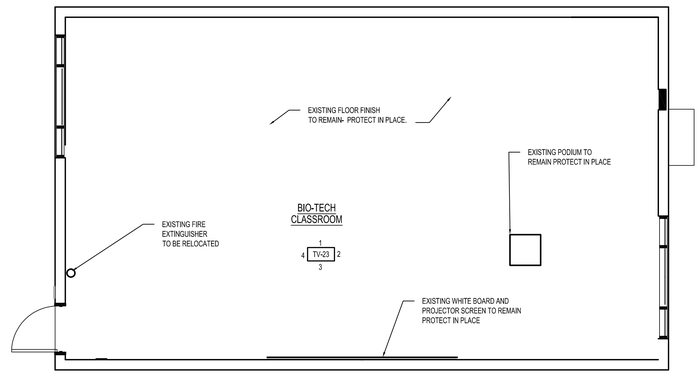
CEILING PLAN
SCALE: 1/4"=1'-0"



NOTE:
SEE CONSTRUCTION NOTES FOR ADDITIONAL SCOPE OF WORK
PROVIDE A MINIMUM OF 2 WIRELESS RECHARGEABLE ASSISTED LISTENING DEVICES
WHICH SHALL BE HEARING AID COMPATIBLE PER CBC 11B-219.3 - SEE ADDITIONAL INFORMATION IN ELECTRICAL SPECIFICATION SECTION 275126 "PORTABLE ASSISTIVE LISTENING SYSTEM"
DEVICE QUANTITIES MUST BE 4% OF TOTAL ROOM OCCUPANCY (4%X18=0.72) MINIMUM 2.

NORTH
0 1' 2' 4' 8'

FLOOR PLAN
SCALE: 1/4"=1'-0"



NOTE:
REMOVE CEILING TILE THOUGH OUT - PROTECT SUSPENDED GRID IN PLACE

NORTH
0 1' 2' 4' 8'

EXISTING FLOOR PLAN
SCALE: 1/4"=1'-0"

CONSTRUCTION NOTES

1. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS, APPLICABLE CODES AND DRAFTING SYMBOLS
2. CONTRACTOR MUST REPAIR, PATCH AND FINISH ALL SURFACES AFFECTED BY THE IMPROVEMENTS AND UPGRADE .
3. PATCH/REPAIR EXISTING WALLS, CEILINGS, AND FLOOR AFFECTED WITH WORK INDICATED IN THESE DOCUMENTS INCLUDING STRUCTURAL, PLUMBING, AND ELECTRICAL, SYSTEMS.
4. WHERE PATCHED FINISH MATERIALS, NEW AND EXISTING ARE MET, THESE CONDITIONS MUST BE CLEANED AND OR REPAIRED TO MEET THE REQUIREMENTS OF THIS CONTRACT TO LOOK LIKE NEW CONDITION INSTEAD OF REPAIRED.
5. CONTRACTOR MUST COORDINATE SIMULTANEOUS SCOPE IDENTIFIED IN THE PLUMBING AND ELECTRICAL DRAWINGS.
6. THE EXISTING LTV FLOORING AND WALL BASE IS RELATIVE NEW SO PROTECT IN PLACE. IF ANY PARTIAL FLOOR AREA IS NEEDED TO BE REMOVED FOR ELECTRICAL, PLUMBING OR OTHER WORK SCOPE PURPOSES REPLACE WITH NEW TO MATCH EXISTING.
7. PAINT DOOR AND FRAME INTERIOR AND EXTERIOR TO MATCH EXISTING.
8. THE EXISTING DOOR COMPLIES WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE FORCE TO ACTIVATE CONTROLS NO GREATER THAN 5 LBF.
   - EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
   - HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34" AND 44" ABOVE FINISH FLOOR. PANIC HARDWARE SHALL BE 36" TO 44" ABOVE FINISH FLOOR.
   - DEAD BOLTS ARE NOT PERMITTED UNLESS OPERABLE W/ A SINGLE EFFORT LEVER TYPE HARDWARE.
   - THRESHOLD SHALL BE 1/4" VERTICAL HEIGHT MAX.
9. RE-INSTALL ALL ITEMS REMOVED FROM WALLS SHOWN AS EXISTING TO REMAIN IF THESE WERE REQUIRED TO BE REMOVED FOR OTHER REASONS.
10. INTERIOR WALL PANELING SYSTEM WILL NEED TO BE REMOVED TO ADD BACKING IN FRAMING. TO PERFORM ELECTRICAL AND PLUMBING SCOPE WORK. THESE PANELS CAN BE RE-USE IF THEY LOOK AS ORIGINALLY DOCUMENTED BY THE ARCHITECT. OTHERWISE SHALL BE REPLACED TO MATCH EXISTING WALL AT THE CONTRACTOR'S EXPENSES.
11. PAINT EXISTING CEILING GRID- OFF WHITE.
12. COUNTER TOPS ARE LAB-GRADE PLASTIC LAMINATED-
    PL-1 WILSONART CHEMSURF BLACK ALICANTE 4929K-07 AT COUNTERTOPS. VERIFY W/ ARCHITECT
    PL-2 WILSONART FRENCH PEAR FOR VERTICAL SURFACES- CONFIRM W/ ARCHITECT
13. AS PART OF ADA UPGRADES- REPLACE EXISTING RESTROOMS SIGNAGE PER 4/A-3
14. AS PART OF ADA UPGRADES - ADD WING GUARDS TO EXISTING DRINKING FOUNTAIN. 2/A-3
15. SEE EQUIPMENT LEGEND FOR ADDITIONAL CONTRACTOR'S SCOPE
16. ALL FUTURE FURNITURE INSTALLED IN THIS ROOM MUST COMPLY WITH CBC 11B. PROVIDE 5% MIN. OF EACH TYPE TO MEET ADA REQUIREMENTS.

FURNITURE IN CLASSROOM SHALL COMPLY WITH 11B. PROVIDE 5% MIN. OF EACH TYPE TO COMPLY WITH ADA REQUIREMENTS.

EQUIPMENT SCHEDULE

Mark	Type	Count	Dimensions
E02	LECTERN	1 (E)	24"(w)x24"(d)
N01	BIOSAFETY CABINET	3 OFCI	79"(w)x31"(d)x66"(h)
N08	BRACKET FOR CO2 TANK.	2 OFCI	9"(diameter)X51"(h)

FINISHES NOTES

INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM 84 OR UL 723. SUCH INTERIOR FINISH MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME AND SMOKE-DEVELOPED INDEXES, REFER TO 803.1.1 (SEE EXCEPTION 803.1.2) AND CFC 803.1.

INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED FOR FIRE PERFORMANCE AND SMOKE DEVELOPMENT PER SECTION 803.

INTERIOR WALLS AND CEILING FINISHES SHALL BE CLASSIFIED BY OCCUPANCY PER TABLE 803.11 OR BE TESTED PER SECTION 803.1.2 (NFPA 286 CRITERIA).

TEXTILE AND VINYL WALL COVERINGS SHALL BE TESTED PER 803.1.3 ACCEPTANCE CRITERIA OF NFPA 265, OR, PER 803.1.4 ACCEPTANCE CRITERIA TESTED TO ASTM E84 OR UL 723 CLASS FLAME SPREAD INDEX AND PROTECTED BY AN AUTOMATIC FIRE SPRINKLER SYSTEM PER 903.1.1.2.

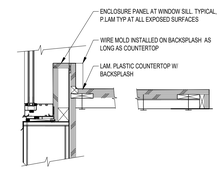
EXCEPTION: 803.2 MATERIALS LESS THAN 0.036" THICK APPLIED DIRECTLY NEED NOT BE

INTERIOR FLOOR FINISHES SHALL COMPLY WITH SECTION 804.

DECORATIVE TRIM & MATERIALS SHALL COMPLY WITH SECTION 806.

THERMAL AND ACOUSTICAL INSULATION SHALL COMPLY WITH SECTION 719.

CALIFORNA REQUIRES ALL FABRIC USED IN PUBLIC PLACES TO BE REGISTERED WITH THE STATE FIRE MARSHAL AND COMPLY WITH TITLE 19 REQUIREMENTS OF THE CALIFORNIA CODE OF REGULATIONS.



BACKSPLASH AT WINDOW
SCALE: 1-1/2" = 1'-0"

20

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122681 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/15/2022

DIVISION OF THE STATE ARCHITECT
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tBP architecture planning interiors

LICENSED ARCHITECT GREG PAIGE MOON No. C25969 EXP. 08-31-23 STATE OF CALIFORNIA

tBP/Architecture
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COMPTON COLLEGE
Bio-Tech Classroom in TV23
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221

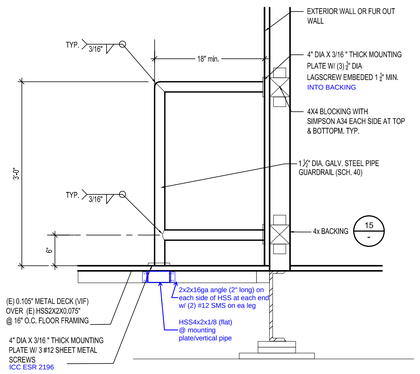
owner

tBP project number : 21105.00
file name:
drawn by: checked by:
date: 10/01/2023

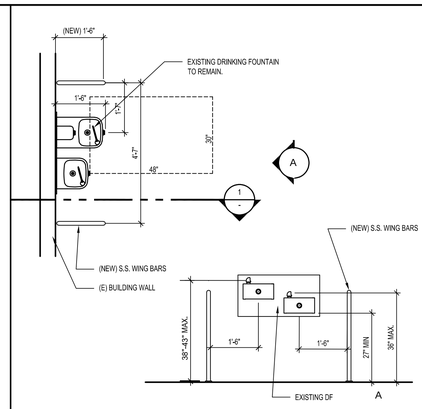
Rev:	date:	description:

drawing title:
FLOOR / CEILING & INTERIOR ELEVATIONS

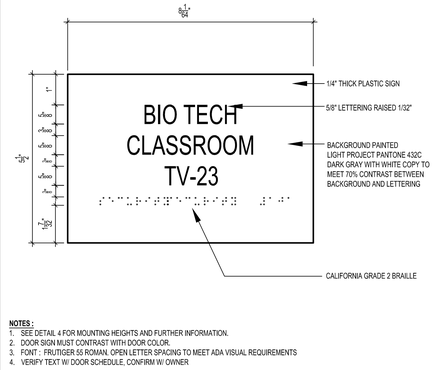
drawing no.:
A1-1



DRINKING FOUNTAIN NEW WING GUARDRAILS — SCALE: 1" = 1'-0" — 1

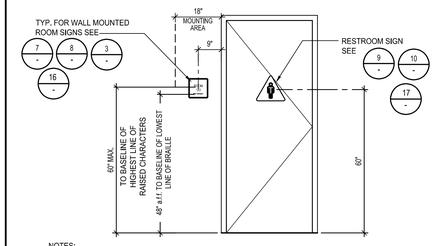


NEW WING GUARDRAILS AT EXISTING D.F. — SCALE: 1/2" = 1'-0" — 2



NOTES :
1. SEE DETAIL 4 FOR MOUNTING HEIGHTS AND FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.
3. FONT : FRUTIGER 55 ROMAN, OPEN LETTER SPACING TO MEET ADA VISUAL REQUIREMENTS
4. VERIFY TEXT W/ DOOR SCHEDULE, CONFIRM W/ OWNER

ROOM NAME / NUMBER SIGN WALL MOUNTED — SCALE: HALF — 3



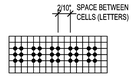
NOTES:

MOUNT SIGN ON THE WALL ADJACENT TO LATCH SIDE OF DOOR. WHERE THERE IS NO WALL SPACE ON LATCH SIDE OF DOOR, PLACE SIGNS ON NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT.

SIGNAGE LOCATION LEGEND — SCALE: 1/2" = 1'-0" — 4

TYPICAL SIGNAGE NOTES

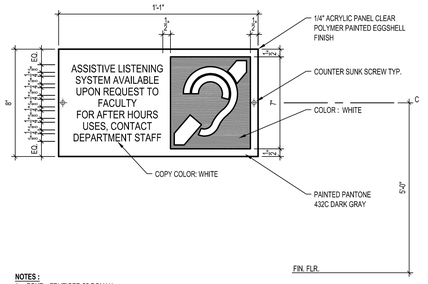
1. TACTILE CHARACTER TYPE: TACTILE CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED (GRADE 2) BRAILLE. CBC SECTION 11B-703.2.
2. TACTILE CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH. CBC SECTION 11B-703.2.
3. FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. CBC SECTION 11B-703.2.
4. PROPORTIONS: RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER. CBC SECTION 11B-703.2.
5. BRAILLE: CONTRACTED (GRADE 2) BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10" ON CENTERS IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. BRAILLE DOTS SHALL BE DOMED OR ROUNDED. CBC SECTION 11B-703.3.



1/10" BY 1/10" GRID

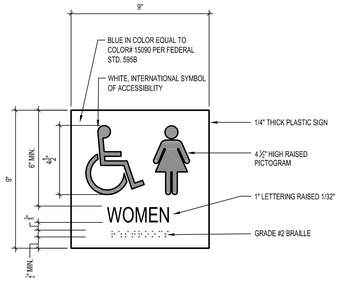
CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED. INDIVIDUAL BRAILLE DOTS SHALL EACH BE DISTINCT AND SEPARATE. EACH DOT SHALL BE ROUNDED OR DOMED IN LIEU OF SQUARE SIDED AND FLAT TOPPED.

6. MOUNTING HEIGHT AND LOCATION: SIGNS WITH RAISED CHARACTERS AND BRAILLE SHALL BE LOCATED 48" MINIMUM TO THE BASELINE OF THE LOWEST LINE OF BRAILLE AND 60" MAXIMUM TO THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS ABOVE THE FINISH FLOOR OR GROUND SURFACE. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR. CBC SECTION 11B-703.4.



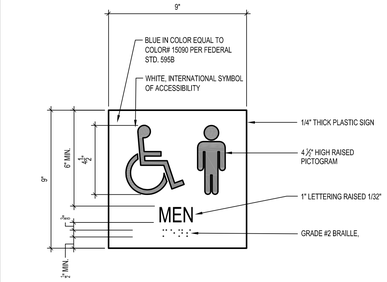
NOTES :
1. FONT : FRUTIGER 55 ROMAN

ASSISTIVE-LISTENING DEVICE SIGNAGE — SCALE: 3" = 1'-0" — 6



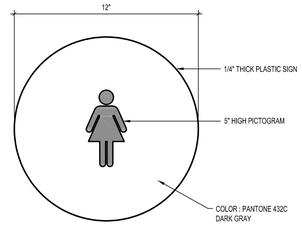
NOTES :
1. SEE DETAIL 4 FOR MOUNTING HEIGHTS AND FOR FURTHER INFORMATION.

WALL-MOUNTED WOMEN TOILET ROOM SIGNAGE — SCALE: 3" = 1'-0" — 7



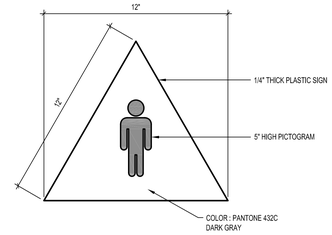
NOTES :
1. SEE DETAIL 4 FOR MOUNTING HEIGHTS AND FOR FURTHER INFORMATION.

WALL-MOUNTED MEN TOILET ROOM SIGNAGE — SCALE: 3" = 1'-0" — 8



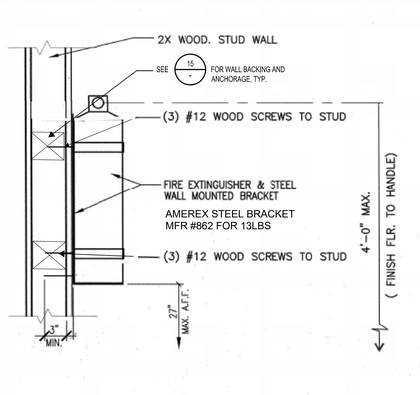
NOTES :
1. SEE DETAIL 4 FOR MOUNTING HEIGHTS AND FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.

DOOR-MOUNTED WOMEN TOILET RM. SIGNAGE — SCALE: 3" = 1'-0" — 9

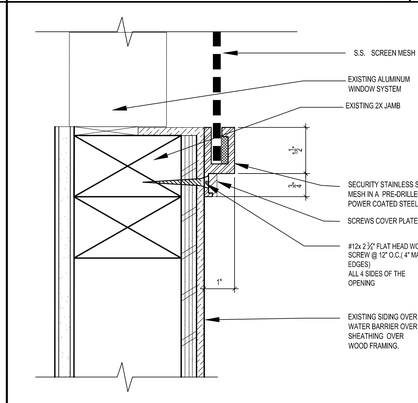


NOTES :
1. SEE DETAIL 4 FOR MOUNTING HEIGHTS AND FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.

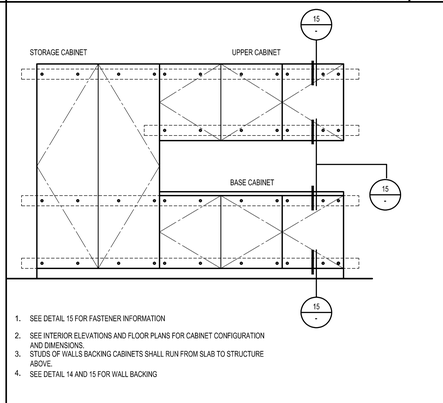
DOOR-MOUNTED MEN TOILET RM. SIGNAGE — SCALE: 3" = 1'-0" — 10



FIRE EXTINGUISHER WALL BRACKET — SCALE: 3/4" = 1'-0" — 11

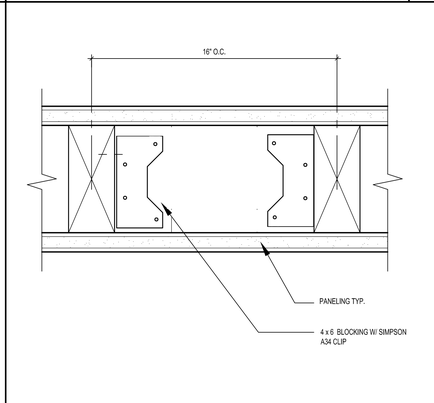


WINDOW SECURITY SCREEN AT WALL — SCALE: HALF — 12

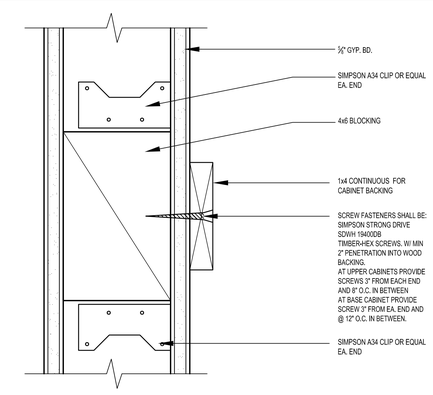


1. SEE DETAIL 15 FOR FASTENER INFORMATION
2. SEE INTERIOR ELEVATIONS AND FLOOR PLANS FOR CABINET CONFIGURATION AND DIMENSIONS.
3. STUDS OF WALLS BACKING CABINETS SHALL RUN FROM SLAB TO STRUCTURE ABOVE..
4. SEE DETAIL 14 AND 15 FOR WALL BACKING

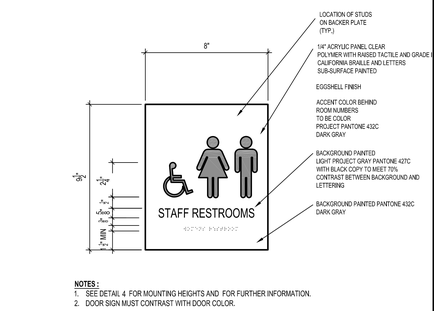
BACKING AND ANCHORAGE DETAIL — SCALE: 1/2" = 1'-0" — 13



WALL BACKING PLAN — SCALE: HALF — 14

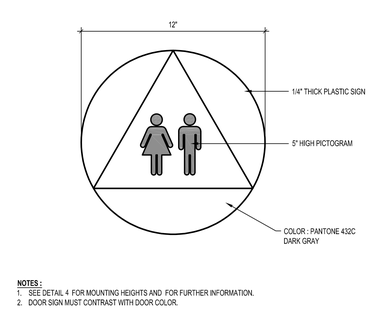


WALL BACKING DETAIL — SCALE: HALF — 15



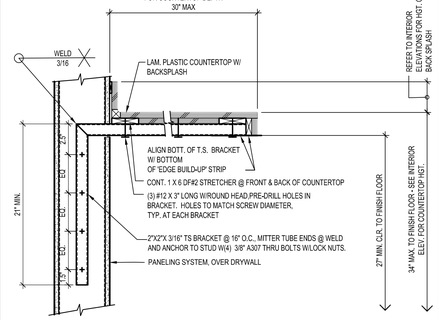
NOTES :
1. SEE DETAIL 4 FOR MOUNTING HEIGHTS AND FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.

WALL MOUNTED TOILET ROOM SIGN — SCALE: 3" = 1'-0" — 16



NOTES :
1. SEE DETAIL 4 FOR MOUNTING HEIGHTS AND FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.

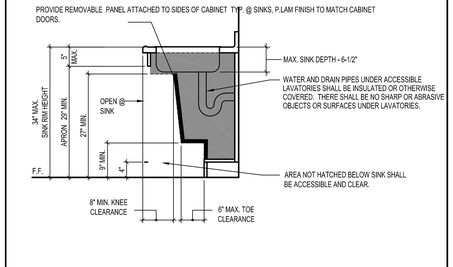
DOOR MOUNTED TOILET ROOM SIGN — SCALE: 3" = 1'-0" — 17



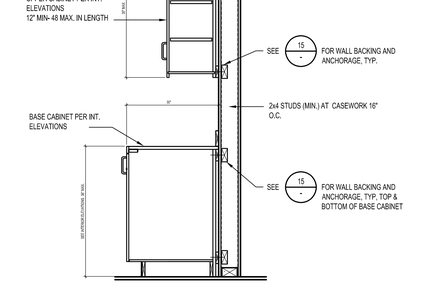
LAM. PLASTIC COUNTERTOP DETAIL — SCALE: 1-1/2" = 1'-0" — 18

NOTES

1. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO MORE THAN 5 LBS. LEVER OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.



ACCESSIBLE SINK SECTION — SCALE: 3/4" = 1'-0" — 19



TYPICAL CASEWORK ANCHORAGE — SCALE: 3/4" = 1'-0" — 20

IDENTIFICATION STAMP
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APP: 03-122681 INC:
REVIEWED FOR
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DATE: 12/15/2022

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architect

consultant

owner

COMPTON COLLEGE
Bio-Tech Classroom in TV23

COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221

tBP project number : 21105.00
file name:
drawn by: checked by:
date: 10/01/2023

Rev:	date:	description:

drawing title:
DETAILS

drawing no.:
A-3

FIXTURE SCHEDULE

ITEM	FIXTURE	ROUGH-IN CONNECTIONS						DESCRIPTION
		TRAP	WASTE	VENT	HOT WATER	COLD WATER	GAS	
S 1	SINK (S.S., CW ONLY)	1-1/2"	2"	1-1/2"	--	1/2"	--	ELKAY ELUHAD211555, 23" X 18" X 5-1/2" DEEP, 18 GAUGE TYPE 316 STAINLESS STEEL. COMPLETE WITH CHICAGO NO. 928-VR317XKCP DECK MOUNTED, GOOSENECK FAUCET WITH NO. E7FCJKCP SERRATED NOZZLE WITH FLOW CONTROL, INTEGRAL VACUUM BREAKER, AND NO. 317 HANDLE, KEWAUNEE NO. 0464-00 1-1/2" POLYETHYLENE TRAP & SINK OUTLET ASSEMBLY WITH ADJUSTABLE TAILPIECE, AND CHICAGO NO. 1017-ABCP LOOSE KEY STOP.

ITEM	FIXTURE	ROUGH-IN CONNECTIONS						DESCRIPTION
		TRAP	WASTE	VENT	HOT WATER	COLD WATER	GAS	
EEW 1	EMERGENCY EYE WASH	--	--	--	--	1-2"	--	HAWS NO. 7611, COUNTER MOUNTED, SWING ACTIVATION, COMPLETE WITH INVERTED DIRECTIONAL LAMINAR FLOW AXION MSR EYE/FACE WASH HEAD, EMERGENCY SIGN, AND CHICAGO NO. 1017-ABCP LOOSE KEY STOPS WITH RIGID SUPPLIES.

MATERIALS

1. SANITARY SOIL WASTE AND VENT SYSTEMS ABV & BEL. GRADE: PIPING WITHIN THE BUILDING ITSELF AND OUTSIDE WITHIN FIVE FEET (5') OF THE FOUNDATION, SHALL BE NO-HUB CAST IRON SERVICE WEIGHT PIPE AND FITTINGS, FREE FROM DEFECTS, AND SHALL COMPLY WITH C.I.S.P.I. STANDARD 301 OR ASTM A-888. FITTINGS SHALL BE MADE UP WITH "HUSKY" SD 4000 SERIES OR "CLAMP ALL"125 SERIES STAINLESS STEEL TYPE 304 COUPLINGS AND SHALL CONFORM TO ASTM C1540 & ASTM C564 EXCEPT ALL ABOVE GROUND VENT PIPE FITTINGS AY BE ADE WITH "ANACO"OR "TYLER"STAINLESS STEEL TWO BAND COUPLINGS CONFORMING TO C.I.S.P.I. STANDARD 310.
2. WATER PIPING BELOW GRADE OUTSIDE THE BUILDING SHALL BE TYPE "L" ASTM B88, HARD DRAWN COPPER WITH WROUGHT COPPER SWEAT FITTINGS ANSI B16.18 AND B16.22 WITH 95-5 SILVER SOLDIER.
3. WATER PIPING WITHIN THE BUILDING AND ABOVE GRADE SHALL BE TYPE "L" ASTM B88, HARD DRAWN COPPER TUBING WITH WROUGHT COPPER SWEAT FITTINGS ANSI B16.22 WITH 95-5 SILVER SOLDER.
4. INDIRECT AND CONDENSATE DRAINS SHALL BE TYPE "M" ASTM B88, HARD DRAWN COPPER TUBING WITH WROUGHT COPPER SWEAT FITTINGS ANSI B16.22 WITH 95-5 SILVER SOLDER.
5. CLEANOUTS: SHALL BE MANUFACTURED BY J.R. SMITH, ZURN OR JOSAM AS FOLLOWS:
   A. FINISHED ROOM FLOORS: J.R. SMITH NO. 4163 W/ N.B. TOP AND GASKETED WATERTIGHT COVER.
   B. WALLS: J.R. SMITH 4532 W/ BRONZE PLUG AND CHROME PLATED COVER.
   C. YARD AND PARKING LOT: J.R. SMITH NO. 4253 CAST IRON SURFACE LEVEL CLEANOUT.
6. VALVES: GATE VALVES 1-1/2" AND SMALLER SHALL BE NIBCO NO. T-113-LF, GATE VALVES 2" TO 3" SHALL BE NIBCO NO. F-607-RW OS&Y, BALL VALVES 2" AND SMALLER SHALL BE NIBCO NO. T-685-66-LF.
7. VALVES: GATE VALVES 2-1/2" AND SMALLER SHALL BE APOLLO NO. 102T, GATE VALVES 3" TO 4" SHALL BE APOLLO NO. 211F, BALL VALVES 2-1/2" AND SMALLER SHALL BE APOLLO NO. 77CLF-A-200 SERIES, AND BALL VALVES 3" TO 4" SHALL BE APOLLO NO. 77FLF-200.
8. BEFORE ANY USE OF SYSTEM IS MADE FOR DOMESTIC PURPOSES, IT SHALL BE STERILIZED BY SLOWLY FILLING WITH WATER TO WHICH A STERILIZING AGENT HAS BEEN APPLIED, AT A RATE GIVING 50 PPM OF CHLORINE, AS DETERMINED BY RESIDUAL CHLORINE TEST AT EXTREMITIES OF THE LINE. AFTER LINES HAVE BEEN FILLED FOR A PERIOD OF THREE (3) HOURS, TESTS FOR RESIDUAL CHLORINE SHALL SHOW NOT LESS THAN 50 PPM. IF LESS THAN 50 PPM IS INDICATED, DRAIN OR FLUSH OUT THE LINE AND REPEAT STERILIZATION TREATMENT UNTIL TESTS INDICATE AT LEAST 50 PPM OF RESIDUAL CHLORINE AFTER THREE (3) HOURS. THE LINES SHALL BE FLUSHED UNTIL ALL TRACES OF CHEMICAL HAVE BEEN REMOVED.

GENERAL NOTES

1. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
2. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS PIPE UNLESS OTHERWISE INDICATED ON DRAWINGS.
3. ALL PLUMBING FIXTURE VENTS TO TERMINATE A MINIMUM OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM ANY OUTSIDE AIR INTAKES.
4. ALL EXTERIOR GAS COCKS, WATER SHUT OFF VALVES AND/OR SEWER CLEANOUTS BELOW GROUND SHALL BE INSTALLED IN YARD BOXES WITH THE COVERS CONSPICUOUSLY MARKED "GAS", "WATER", AND "SEWER" RESPECTIVELY.
5. CONNECTION BETWEEN INCOMPATIBLE MATERIALS ABOVE GRADE AND INSIDE BUILDING SHALL BE MADE WITH TWO (2) DIELECTRIC UNIONS SEPARATED BY A TWELVE INCH (12") SECTION OF RED BRASS PIPE.
6. SEE ARCHITECTURAL DRAWINGS FOR ACCESSIBLE FIXTURE LOCATIONS AND MOUNTING HEIGHTS. INSULATE ALL EXPOSED HOT WATER AND DRAIN PIPING BELOW ACCESSIBLE LAVATORIES AND SINKS.
7. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.
8. ALL WORK AND MATERIAL SHALL BE PERFORMED AND INSTALLED IN COMPLIANCE WITH CALIFORNIA PLUMBING CODE 2019.
9. THESE DRAWINGS INDICATE THE SEWER, WATER, AND STORM DRAIN SYSTEMS TO POINT OF CONNECTION 5'-0" OUTSIDE OF THE BUILDING. CONTINUATION OF THESE SYSTEMS IS SHOWN ON THE CIVIL DRAWINGS AND IS SPECIFIED UNDER ANOTHER SECTION OF THE SPECIFICATIONS. THE PIPING SHALL BE INSTALLED TO MEET THE INVERT ELEVATIONS SHOWN ON THE CIVIL DRAWINGS.
10. INSULATION (SEE SPECIFICATION FOR TYPE REQUIRED) AND COVERING ON PIPE AND TUBING SHALL HAVE A FLAME SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH 2019 C.B.C. SECTION 720.3.

LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	S OR W	SOIL OR WASTE ABOVE FLOOR
	S OR W	SOIL OR WASTE BELOW FLOOR OR GRADE
	V	SANITARY VENT
	CW	COLD WATER
	HW	HOT WATER
	HWR	HOT WATER RETURN
CD	CD	CONDENSATE DRAIN
G	G	GAS LINE
		EXISTING PIPING TO BE REMOVED
ESS	ESS	EXISTING SANITARY SEWER
ECW	ECW	EXISTING COLD WATER
EG	EG	EXISTING GAS LINE
		DIRECTION OF FLOW
	SOV	SHUT-OFF VALVE
	SOV/GC	SHUT-OFF VALVE OR GAS COCK IN YARD BOX
	GC	GAS COCK
	FCO	FLOOR CLEANOUT
	WCO	WALL CLEANOUT
		RISER UP
		RISER DOWN
	ABV	ABOVE
	AP	ACCESS PANEL
	BEL	BELOW
	CLG	CEILING
	CONT	CONTINUATION
	COTG	CLEANOUT TO GRADE
	DN	DOWN
	EXIST	EXISTING
	FLR	FLOOR
	HDR	HEADER
	POC	POINT OF CONNECTION
	VTR	VENT THRU ROOF
	YB	YARD BOX
	R.I. & C.	ROUGH-IN & CONNECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122681 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/15/2022

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
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PocockDesignSolutions Inc.

consultant

COMPTON COLLEGE
Bio-Tech Classroom in TV23

COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221

owner

tBP project number : 21105.00

file name:

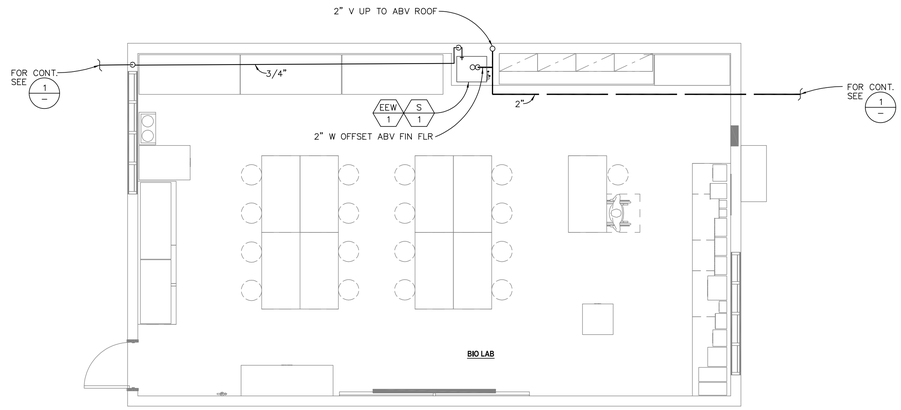
drawn by: tBP checked by:

date: 10/01/2023

Rev:	date:	description:

drawing title:
PLUMBING GEN.
NOTES & SCHEDULES

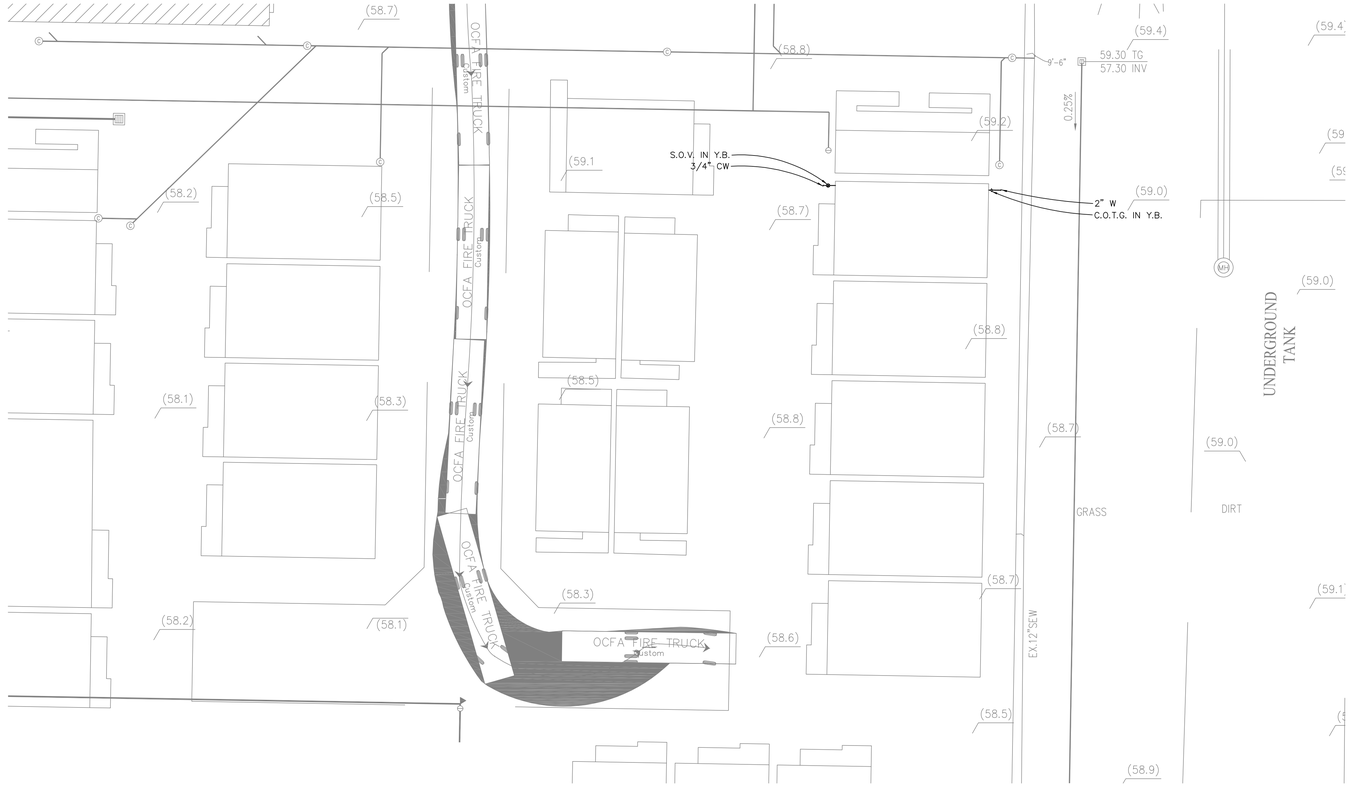
drawing no.:
P0-1



NORTH

PLUMBING ENLARGED PLAN

SCALE 1/4"=1'-0" | 2



CONSTRUCTION NOTES:

1. FOR CONTINUATION OF ALL UTILITIES SEE CIVIL ENGINEERING DRAWINGS.
2. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF ALL UTILITIES AND PIPING BY PHYSICAL EXCAVATION, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND POINTS OF CONNECTION PRIOR TO BIDDING PROJECT.

NORTH

SITE PLAN

SCALE 1"=20'-0" | 1

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file name:

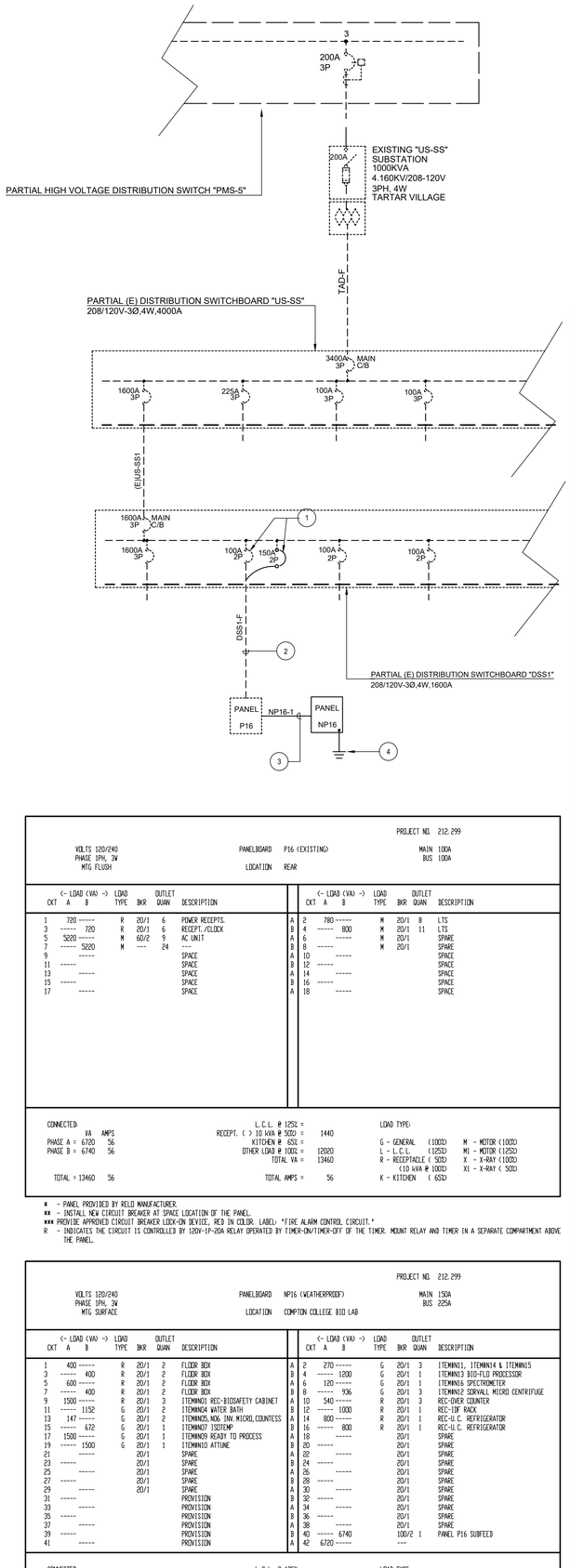
drawn by: tBP checked by:

date: 10/01/2023

Rev:	date:	description:

drawing title:
PLUMBING FLOOR AND SITE PLAN

drawing no.:
P1-1



SINGLE LINE DIAGRAM NOTES:

1. DISCONNECT AND REMOVE EXISTING CIRCUIT BREAKER AND INSTALL NEW BREAKER A THE SAME LOCATION.
2. DISCONNECT AND REMOVE EXISTING CONDUCTORS IN EXISTING CONDUIT AND INSTALL NEW
   3#1/0, 1#6GRD N EXISTING 1 1/2" CONDUIT.
3. PROVIDE 1 1/2"C.-3#1, 1#6 GRD.
4. REFER TO GROUNDING DETAIL 1/E0-1.

PROJECT NO. 212.299

VOLTS 120/240 — PANELBOARD P16 (EXISTING) — MAIN 100A
PHASE 1PH, 3W — BUS 100A
MTG FLUSH — LOCATION REAR

CKT	A	B	(- LOAD (VA) -> TYPE	BKR	OUTLET QUAN	DESCRIPTION	CKT	A	B	(- LOAD (VA) -> TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	720	-----	R	20/1	6	POWER RECEPTS.	A 2	780	-----	M	20/1	8	LTS
3	-----	720	R	20/1	6	RECEPT./CLOCK	B 4	-----	800	M	20/1	11	LTS
5	5220	-----	M	60/2	9	AC UNIT	A 6	-----	-----	M	20/1		SPARE
7	-----	3220	M	---	24	---	B 8	-----	-----	M	20/1		SPARE
9	-----	-----				SPACE	A 10	-----	-----				SPACE
11	-----					SPACE	B 12	-----					SPACE
13	-----	-----				SPACE	A 14	-----	-----				SPACE
15	-----	-----				SPACE	B 16	-----	-----				SPACE
17		-----				SPACE	A 18		-----				SPACE

CONNECTED: VA AMPS
PHASE A = 6720 56
PHASE B = 6740 56
TOTAL = 13460 56

L.C.L. @ 125% =
RECEPT. ( ) 10 kVA @ 50% = 1440
KITCHEN @ 65% =
OTHER LOAD @ 100% = 12020
TOTAL VA = 13460
TOTAL AMPS = 56

LOAD TYPE:
G - GENERAL (100%) M - MOTOR (100%)
L - L.C.L. (125%) MI - MOTOR (125%)
R - RECEPTACLE (50%) X - X-RAY (100%)
(10 kVA @ 100%) XI - X-RAY (50%)
K - KITCHEN (65%)

x - PANEL PROVIDED BY RELIO MANUFACTURER.
xx - INSTALL NEW CIRCUIT BREAKER AT SPACE LOCATION OF THE PANEL.
xxx PROVIDE APPROVED CIRCUIT BREAKER LOCK-ON DEVICE, RED IN COLOR, LABEL: "FIRE ALARM CONTROL CIRCUIT."
R - INDICATES THE CIRCUIT IS CONTROLLED BY 120V-1P-20A RELAY OPERATED BY TIMER-ON/TIMER-OFF OF THE TIMER. MOUNT RELAY AND TIMER IN A SEPARATE COMPARTMENT ABOVE THE PANEL.

PROJECT NO. 212.299

VOLTS 120/240 — PANELBOARD NP16 (WEATHERPROOF) — MAIN 150A
PHASE 1PH, 3W — BUS 225A
MTG SURFACE — LOCATION COMPTON COLLEGE BID LAB

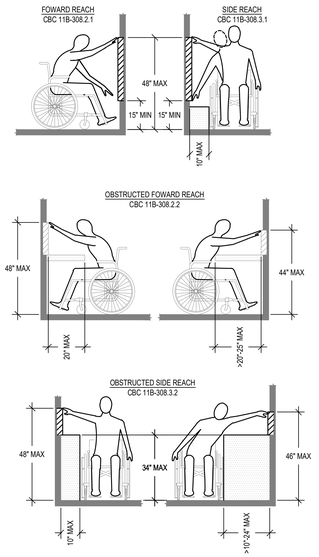
CKT	A	B	(- LOAD (VA) -> TYPE	BKR	OUTLET QUAN	DESCRIPTION	CKT	A	B	(- LOAD (VA) -> TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	400	-----	R	20/1	2	FLOOR BOX	A 2	270	-----	G	20/1	3	ITEMIN11, ITEMIN14 & ITEMIN15
3	-----	400	R	20/1	2	FLOOR BOX	B 4	-----	1200	G	20/1	1	ITEMIN13 BIO-FLO PROCESSOR
5	600	-----	R	20/1	2	FLOOR BOX	A 6	120	-----	G	20/1	1	ITEMIN16 SPECTROMETER
7	-----	400	R	20/1	2	FLOOR BOX	B 8	-----	936	G	20/1	3	ITEMIN12 SORVALL MICRO CENTRIFUGE
9	1500	-----	G	20/1	3	ITEMIN03 REC-BIOSAFETY CABINET	A 10	540	-----	R	20/1	3	REC-OVEN CEINTER
11	-----	1152	G	20/1	2	ITEMIN04 WATER BATH	B 12	-----	1000	R	20/1	1	REC-IDF RACK
13	147	-----	G	20/1	2	ITEMIN05, NO6 INV. MICRO, COUNTESS	A 14	800	-----	R	20/1	1	REC-U.C. REFRIGERATOR
15	-----	672	G	20/1	1	ITEMIN07 ISOTEMP	B 16	-----	800	R	20/1	1	REC-U.C. REFRIGERATOR
17	1500	-----	G	20/1	1	ITEMIN09 READY TO PROCESS	A 18		-----		20/1		SPARE
19	-----	1500	G	20/1	1	ITEMIN10 ATTUNE	B 20	-----			20/1		SPARE
21	-----	-----		20/1		SPARE	A 22	-----	-----		20/1		SPARE
23	-----			20/1		SPARE	B 24	-----			20/1		SPARE
25	-----	-----		20/1		SPARE	A 26	-----	-----		20/1		SPARE
27	-----			20/1		SPARE	B 28	-----			20/1		SPARE
29	-----	-----				SPARE	A 30	-----	-----		20/1		SPARE
31	-----					PROVISION	B 32	-----			20/1		SPARE
33	-----	-----				PROVISION	A 34	-----	-----		20/1		SPARE
35	-----					PROVISION	B 36	-----			20/1		SPARE
37	-----	-----				PROVISION	A 38	-----	-----		20/1		SPARE
39	-----					PROVISION	B 40	-----	6740		100/2	1	PANEL P16 SUBFEED
41		-----				PROVISION	A 42	6720	-----		---		

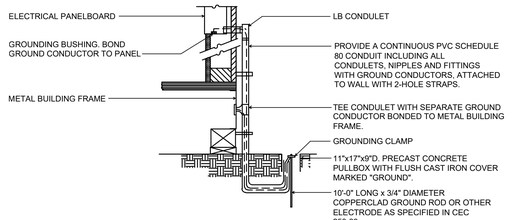
CONNECTED: VA AMPS
PHASE A = 12597 105
PHASE B = 14800 123
TOTAL = 27397 114

L.C.L. @ 125% =
RECEPT. ( ) 10 kVA @ 50% = 3140
KITCHEN @ 65% =
OTHER LOAD @ 100% = 24257
TOTAL VA = 27397
TOTAL AMPS = 114

LOAD TYPE:
G - GENERAL (100%) M - MOTOR (100%)
L - L.C.L. (125%) MI - MOTOR (125%)
R - RECEPTACLE (50%) X - X-RAY (100%)
(10 kVA @ 100%) XI - X-RAY (50%)
K - KITCHEN (65%)

ELECTRICAL MOUNTING REACH RANGES





NOTES:

1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC. TABLE 250-95.
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL, AND TO METAL BUILDING FRAME (CEC. 250-81). PROVIDE BONDING CONDUCTOR BETWEEN THE BUILDING FRAME AND THE STEEL RAMPS. IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL CONDUCTOR GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10 FEET INTO THE SOIL IF AVAILABLE (CEC. 250-81 AND CEC. 250-83).
3. ALL MODULES OF METAL FRAME BUILDINGS AND RAMPS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN, SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (CEC. 250-84).
5. SEE SPECIFICATIONS FOR TESTING OF GROUNDING REQUIRED.
6. STEEL RAMPS AND OTHER METAL COMPONENTS ATTACHED TO PORTABLE BUILDING(S) SHALL BE BONDED TO THE BUILDING FRAME.
7. ALL ELECTRICAL WORK TO MEET THE REQUIREMENTS OF THE STATE ELECTRICAL CODES. PART 3 OF TITLE 24, CAC, WHICH REQUIRES PROPER GROUNDING OF ALL ELECTRICAL CIRCUITS, EQUIPMENT, ETC. FOR PUBLIC SCHOOL BUILDING(S),REGARDLESS OF THE TYPE OF CONSTRUCTION.
8. METAL MODULAR BUILDINGS. WHEN METAL BUILDINGS ARE MADE OF COMPONENTS, EACH BUILDING COMPONENT,INCLUDING STEEL RAMPS, MUST BE ELECTRICALLY BONDED TOGETHER IN A MANNER ACCEPTABLE TO OSA/SSS. PAINT ON THE SURFACE WILL INHIBIT PASSAGE OF ELECTRICAL CURRENT, THEREFORE, BOLTED CONNECTIONS OF COMPONENT PARTS ARE NOT AN ACCEPTABLE ELECTRICAL BOND.
9. WOOD MODULAR BUILDINGS. IN WOOD FRAME MODULAR BUILDINGS, THE ELECTRICAL SYSTEM MUST BE GROUNDED AS REQUIRED IN TITLE 24, CAC.
10. GROUNDING. THE ELECTRICAL CIRCUITS ARE USUALLY PROPERLY GROUNDED, HOWEVER, IT IS ALSO NECESSARY TO INDEPENDENTLY GROUND THE STEEL FRAMES. THIS IS PARTICULARLY IMPORTANT WHEN THE BUILDING IS SUPPORTED ON A FOUNDATION MADE OF WOOD.

    ALL BUILDING COMPONENTS MUST BE ELECTRICALLY BONDED TOGETHER AND MUST BE INDEPENDENTLY GROUNDED. ALL GROUNDING SYSTEMS ARE TO BE TESTED WITH A MEGGER UNIT OR IN AN OTHERWISE ACCEPTABLE MANNER. REFER TO SECTIONS 250-81 AND 250-83. CALIFORNIA ELECTRICAL CODE, FOR SPECIFIC GROUNDING REQUIREMENTS. TESTING SHALL BE WITNESSED BY PROJECT INSPECTOR. SUBMIT A COPY OF THE REPORT TO THE ARCHITECT.

MODULAR BUILDING GROUNDING DETAIL

SCALE: NONE — 1

SYMBOL LIST

(ALL SYMBOL NOT NECESSARILY USED ON THESE DRAWINGS)

ALL SYMBOL DESCRICPTION ARE SUBJECT TO MODIFICATION AS NOTED ON THE DRAWINGS . VERIFY EXACT LOCATION AND HEIGHT OF OUTLETS WITH ARCHITECTURAL INTERIOR ELEVATIONS PRIOOR TO ROUGH-IN.

- LIGHTING FIXTURE, RECESS MOUNTED, WITH OUTLET BOX.
- LIGHTING FIXTURE RECESSED MOUNTED WITH OUTLET BOX AND REMOTE MOUNTED JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING. PROVIDE FLEXIBLE CONDUIT CONNECTION 6 FT. MAXIMUM LENGTH, 1/2" DIAMETER MINIMUM. FROM JUNCTION BOX TO FIXTURE OUTLET. PROVIDE CONDUCTORS IN CONDUIT, QUANTITY AS REQUIRED FOR INDICATED CIRCUITS AND SWITCHING CONTROLS, #12 (AWG) MINIMUM.
- SWITCH FOR CONTROL OF LOW VOLTAGE LIGHTING RELAY(S), ON FLUSH WALL MOUNTED OUTLET BOX, +45°. INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE.
- LIGHTING CONTROL OCCUPANCY MOTION SENSOR ON FLUSH CEILING MOUNTED OUTLET BOX. MOUNT CENTERED IN CEILING TILE.
- DUPLEX CONVENIENCE RECEPTACLE VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX, +18". STEM INDICATES WALL MOUNTED OUTLET BOX, TYPICAL.
- DUPLEX CONVENIENCE RECEPTACLE HORIZONTAL ON FLUSH WALL MOUNTED OUTLET BOX, + 6" ABOVE COUNTER SPLASH.
- DUPLEX CONVENIENCE RECEPTACLE SPLIT WIRED, ON FLUSH WALL MOUNTED OUTLET BOX, + 18".
- DOUBLE DUPLEX (FOUR-PLEX) CONVENIENCE RECEPTACLE ON ONE FLUSH WALL MOUNTED OUTLET BOX +18".
- DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX +18". U.N.O.
- DOUBLE DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX +18". U.N.O.
- DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, HORIZONTAL ON FLUSH WALL MOUNTED OUTLET BOX, +6" ABOVE COUNTER SPLASH. U.N.O.
- R — DOUBLE DUPLEX CONVENIENCE RECEPTACLE IN FLUSH FLOOR OUTLET BOX. "R" DESIGNATION INDICATES RECESSED FLOOR BOX WITH MULTI-SERVICE FITTINGS, WIREMOLD "RFB" SERIES BOX OR EQUAL.
- P — DUPLEX CONVENIENCE RECEPTACLE, ON FLUSH CEILING MOUNTED OUTLET BOX FOR PROJECTOR.
- C — COMPUTER/DATA OUTLET, WITH A SINGLE COMPUTER CONNECTOR, ON FLUSH WALL MOUNTED OUTLET BOX . PROVIDE 1" CONDUIT TO ACCESSIBLE CEILING SPACE UNLESS NOTED OTHERWISE. "C" INDICATES HORIZONTAL IN FLUSH WALL MOUNTED OUTLET BOX +6" ABOVE COUNTER SPLASH.
- C_R — COMPUTER OUTLET, "R" INDICATES RECESSED FLOOR BOX WITH MULTI-SERVICE FITTINGS. PROVIDE TWO (2) COMPUTER CONNECTORS WITH REQUIRED MOUNTING HARDWARE AND COVERPLATES.
- WAP — CFCI DOUBLE DATA OUTLET WITH TWO SETS OF CAT6A CABLING TO NEAREST IDF CABINET VIA CABLE TRAY FOR WIRELESS ACCESS POINT. PROVIDE WIRELESS DEVICES MODEL SISCO AIR AP28021-A-K9.
- J — JUNCTION BOX, FLUSH WALL MOUNTED, +18" U.N.O.
- J — JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING OR ON EXPOSED CEILING. U.N.O.
- J-1, J-2 — INDICATES CONNECTION TO EQUIPMENT AS REQUIRED, TYPICAL. U.N.O.
- T — THERMOSTAT ON FLUSH WALL MOUNTED OUTLET BOX, REFER TO MECHANICAL DRAWINGS FOR HEIGHT AND LOCATION.
- P1 — PANELBOARD, ADJACENT LINE INDICATES PANEL FRONT. ADJACENT BALLOON INDICATES PANEL DESIGNATION "A", SEE DRAWING E-1 FOR PANEL SCHEDULE.
- TERMINAL CABINET OR EQUIPMENT CABINET. ADJACENT LINE INDICATES CABINET FRONT.
- DBA / P1 — FLOOR STANDING SWITCHGEAR ADJACENT BALLOON INDICATES EQUIPMENT DESIGNATION "DBA", SEE DRAWING E-1 FOR SINGLE LINE DIAGRAM AND/OR SCHEDULE.
- TERMINAL CABINET OR EQUIPMENT CABINET. ADJACENT LINE INDICATES CABINET FRONT.
- CIRCUIT BREAKER WITH ZERO SEQUENCE GROUND FAULT RELAY SYSTEM.
- TRANSFORMER; KVA, LINE AND LOAD VOLTAGE RATINGS AS INDICATED.
- FUSED SAFETY SWITCH (DISCONNECT), HORSE POWER RATED. MOUNT ON WALL +45", OR ON EQUIPMENT +36". PROVIDE SWITCH AND FUSES SIZED PER EQUIPMENT MANUFACTURER REQUIREMENTS.
- CONDUIT, INSTALLED CONCEALED IN WALL OR IN CEILING SPACE.
- CONDUIT, INSTALLED CONCEALED IN OR UNDER FLOOR OR BELOW GRADE, 3/4" CONDUIT MINIMUM.
- CONDUIT, INSTALLED EXPOSED.
- HOMERUN TO PANEL "B" FOR CIRCUITS 5, 7, 9 WITH COMMON NEUTRAL.
- D1 — COMPUTER/DATA PROCESSING SYSTEM - 3/4"C. WITH (1) SET OF SPECIFIED CABLING.
  - D2 - 1"C. WITH (2) SETS OF SPECIFIED CABLING.
  - D3 - 1"C. WITH (3) SETS OF SPECIFIED CABLING.
  - D4 - 1"C. WITH (4) SETS OF SPECIFIED CABLING.
  - D5 - 1 1/4"C. WITH (5) SETS OF SPECIFIED CABLING.
  - D6 - 1 1/4"C. WITH (6) SETS OF SPECIFIED CABLING.
- CONDUIT, INSTALLED CONCEALED IN WALL OR IN CEILING SPACE.
  - 1/2" C - 2 #12 & 1#12 GRD.
  - 1/2" C - 3 #12 & 1#12 GRD.
  - 3/4" C - 4 #12 & 1#12 GRD.
  - 3/4" C - 5 #12 & 1#12 GRD.
  - 3/4" C - 6 #12 & 1#12 GRD.
  - 1" C - 7 #12 & 1#12 GRD.
  - 1" C - 8 #12 & 1#12 GRD.
  - 1 1/4" C - 9 #12 & 1#12 GRD.

ABBREVIATIONS

A.F.F.	ABOVE FINISH FLOOR
A.F.G.	ABOVE FINISH GRADE
AWG	AMERICAN WIRE GAUGE
AMP, A	AMPERE
A.I.C.	AMPERES INTERRUPTING CAPACITY (SYMMETRICAL)
AF/AT	AMP FRAME, AMP TRIP
AS/AF	AMP SWITCH, AMP FUSE
CIRC., CKT.	CIRCUIT
CB	CIRCUIT BREAKER
C	CONDUIT
C.O.	CONDUIT ONLY
CONN	CONNECTED
CLCB	CURRENT LIMITING CIRCUIT BREAKER
DIA	DIAMETER
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
E-O-L	END-OF-LINE CIRCUIT TERMINATOR
EF	EXHAUST FAN
FT OR '	FEET
FA	FIRE ALARM
FLA	FULL LOAD AMPS
GFI	GROUND FAULT INTERRUPTER
GRD	GROUND
HOA	HAND-OFF-AUTO
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
H.,W.,D.,L.	HEIGHT, WIDTH, DEPTH, LENGTH
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
IN. OR "	INCHES
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
KVA	KILOVOLT AMPERES
KW	KILOWATT
LCL	LONG CONTINUOUS LOAD
L.F.	LINEAR FEET
LTG, LTS	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MH	METAL HALIDE
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MCP	MOTOR CIRCUIT PROTECTOR
MTD	MOUNTED
MW	MICROWAVE
NEC	NATIONAL ELECTRIC CODE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NF	NON-FUSED
NIC	NOT IN CONTRACT
NO. OR #	NUMBER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
PRIMARY	OVER 600 VOLTS
PH. OR Ø	PHASE
PROVIDE	FURNISH, INSTALL AND CONNECT
PA	PUBLIC ADDRESS
REC, RECEPT	RECEPTACLE
U.N.O.	UNLESS NOTED OTHERWISE

ANCHORAGE NOTES

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE OR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC SECTIONS 1616A.1.24, 1616A.1.25 AND 1616A.1.26. THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW.WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G. SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BEON AVAILABLE THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E):

MP☐ MD☐ PP☐ E☑ -OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP☐ MD☐ PP☐ E☐ -OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE- APPROVAL (OPM #) #_____.

GENERAL NOTES

1. COORDINATE THE WORK OF THIS CONTRACT WITH THE WORK OF OTHER TRADES AND WITH OTHER WORK ON THE SITE.
2. ALL TRENCHES OUTSIDE OF THE BARRICADE LIMITS SHALL BE BACK FILLED AND PAVED NOT LATER THAN 72 HOURS AFTER BEING OPENED. DURING THE TIME THE TRENCHES ARE OPEN IN AREAS, THE CONTRACTOR SHALL PROVIDE SIGN PLATES.
3. WHERE TRENCHING IS REQUIRED FOR ROUTING NEW UNDERGROUND CONDUITS, CONTRACTOR SHALL EXERCISE CARE TO AVOID DAMAGE TO EXISTING UNDERGROUND UTILITIES AND THE ROOT SYSTEM OF EXISTING TREES ON SITE. CONTRACTOR SHALL WHERE POSSIBLE FOLLOW EXISTING UNDERGROUND CONDUIT PATHS AND UTILIZE LANDSCAPED AREAS, GRASS AND PLANTERS TO AVOID CUTTING CONCRETE OR BLACK TOP UNLESS REQUIRED FOR PROPER ROUTING.
4. THE CONTRACTOR SHALL AT ALL TIMES, KEEP THE PREMISES CLEAN AND FREE FROM AN ACCUMULATION OF WASTE MATERIAL AND RUBBISH AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL REMOVE ALL DEBRIS AND LEAVE THE WORK AREA IN A BROOM CLEAN CONDITION. SUPPLY TRASH BINS.
5. ALL OUTDOOR ELECTRICAL EQUIPMENTS AND DEVICES SHALL BE WEATHERPROOF.
6. ALL FEEDERS INSTALLED UNDERGROUND OR EXPOSED OUTDOORS SHALL CARRY A GROUND WIRE SIZE AS PER NEC AND/OR AS SHOWN ON THE DRAWINGS.
7. IT IS THE INTENT OF THESE DRAWINGS TO PROVIDE INSTRUCTION FOR A COMPLETE ELECTRICAL JOB. ANY ERRORS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDDING THE JOB.
8. ALL ELECTRICAL COMPONENT AND DEVICES SHALL BE U.L. LISTED.
9. PROVIDE PULL BOX TO ELIMINATE BENDS IN EXCESS OF TWO 90° BENDS IN THE WIRE MOLD AND CONDUIT RACEWAY SYSTEMS FOR COMPUTER NETWORKING SYSTEM CONDUCTORS.
10. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ADEQUATE MANPOWER TO ACCOMPLISH ALL WORK REQUIRING POWER OUTAGES OR DISABLING OF COMMUNICATION AND SIGNAL SYSTEMS TO OCCUPIED SPACES AND CERTAIN SECTIONS OF SPACES TO BE REMODELED IN NOT-TO-EXCEED SIX (6) HOUR PERIODS.
11. ALL WORK SHALL BE SCHEDULED AT SUCH TIMES AND SUCH MANNER TO MINIMIZE INTERFERENCE AND INCONVENIENCE TO OTHER SECTIONS OF THE FACILITY.

THROUGHOUT THE CONSTRUCTION PERIOD THE CONTRACTOR SHALL COMPLY WITH CFC CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION

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tBP project number : 21105.00
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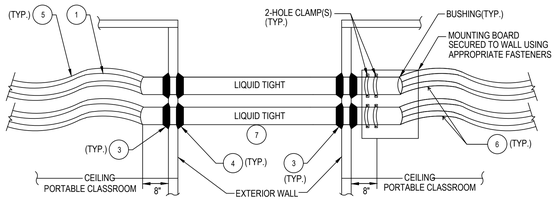
Rev:	date:	description:

drawing title: GENERAL NOTES AND SYMBOL LIST

drawing no.: E0-1

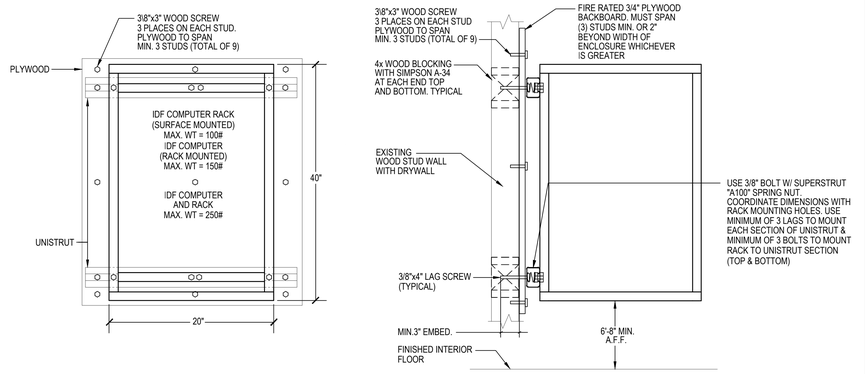
FBA Engineering / Plot Date: 5/22/2023 11:25 AM / Plotted by: Iqbal Barkho / Drawing Location: I:\212\299\E0-1_212299.dwg

1. FIRESTOP SLEEVES WITH STI'S SPEC SEAL PUTTY(#SSP100) OR EQUAL, IN AND AROUND CABLES AT BOTH ENDS PER MANUFACTURER'S DIRECTIONS.
2. 1/2" BEAD 30-YEAR SILICONE CAULK(CLEAR) INTERIOR WALL TYPICAL. DO NOT BOLT/CLAMP THIS SIDE.
3. SILICONE CAULK PUSHED INTO BOTH WALL VOIDS FOR A WEATHERTIGHT SEAL.
4. 1/2" BEAD 50-YEAR SILICONE CAULK(CLEAR) EXTERIOR WALL TYPICAL. DO NOT BOLT/CLAMP.
5. CABLES TO BE SUPPORTED WITHIN 24" OF BUSHING. PROVIDE SLACK FOR SEISMIC EXPANSION.
6. MAINTAIN MINIMUM 2" BEND RADIUS FOR CABLES.PROVIDE SLACK FOR SEISMIC EXPANSION.
7. CONTRACTOR MAY INSTALL LIQUID TIGHT SIDE BY SIDE WITH MINIMUM 2" SEPARATION.



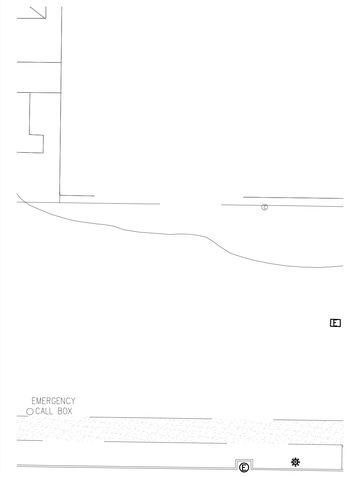
MODULAR BUILDING CONDUIT SLEEVE DETAIL

SCALE: N.T.S. | 3



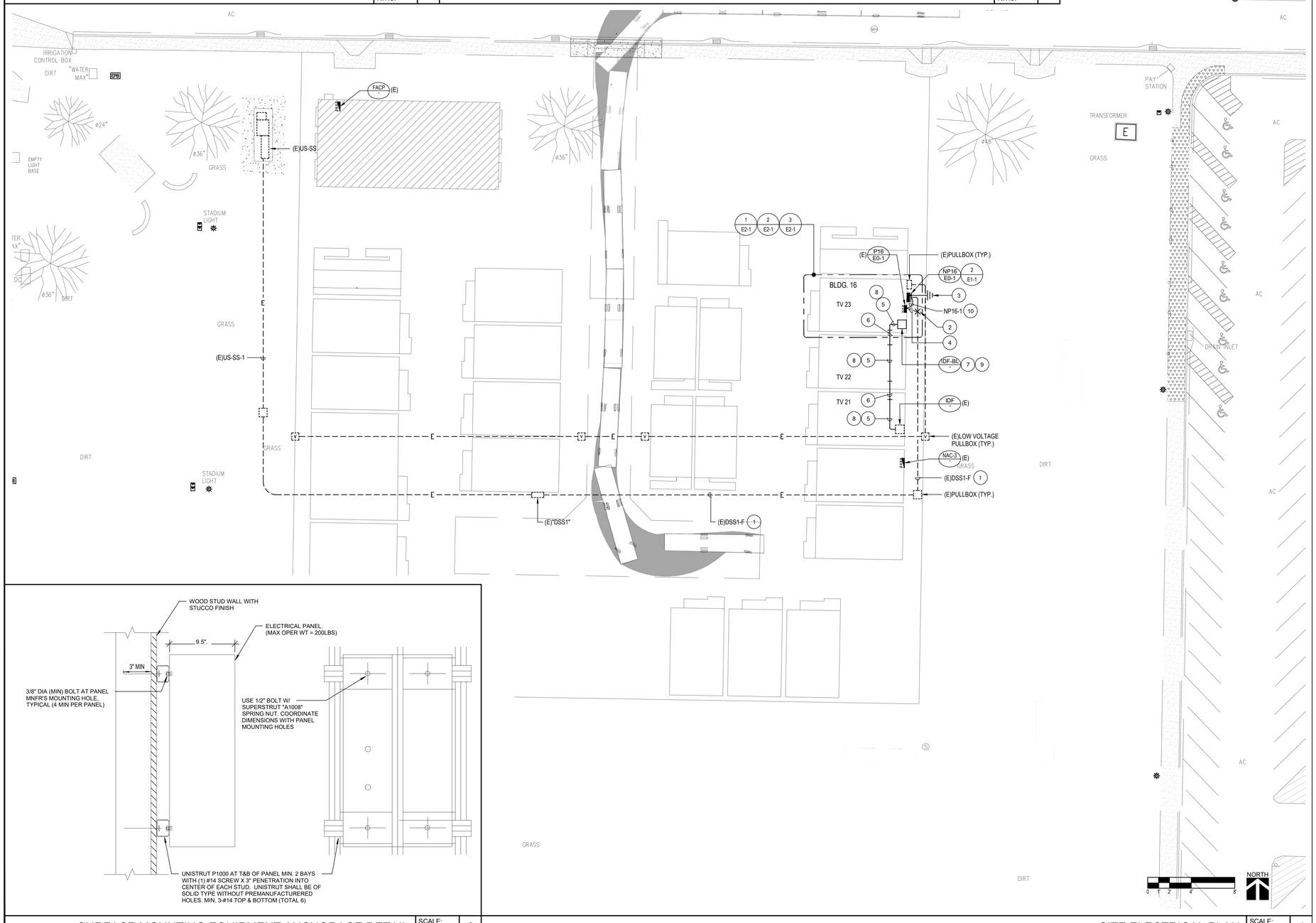
SURFACE MOUNT IDF ANCHORAGE

SCALE: N.T.S. | 4



PLAN NOTES

1. REMOVE EXISTING POWER CONDUCTORS AND INSTALL NEW CONDUCTORS IN EXISTING CONDUIT. SEE SINGLE LINE DIAGRAM SHEET E0-1.
2. INTERCEPT AT EXISTING FEEDER AND REROUTE TO NEW PANEL.
3. PROVIDE NEW PANEL'S GROUNDING SYSTEM PER DETAIL 1/E0-1.
4. DISCONNECT AND REMOVE CONNECTION FROM EXISTING PANEL.
5. PROVIDE 2" CONDUIT IN CEILING SPACE OF THE BUILDING FOR ROUTING NEW FIBER OPTIC CABLE FROM EXISTING IDF TO NEW IDF.
6. PROVIDE ONE(1) 2" CONDUIT SLEEVE PER DETAIL "3/E1-1" FROM EXISTING IDF.
7. PROVIDE 24"Wx24"Hx30"D DATA CABINET WALL MOUNTED WITH ALL ACCESSORIES, PATCH PANELS, WIRE MANAGEMENT AND ALL REQUIRED ITEMS. THE SWITCHES SHALL BE OFCI. THE CABINET SHALL BE HOFFMAN ACESSPLUS DOUBLE HINGE SERIES OR APPROVED EQUAL.
8. PROVIDE 12 STRAND SINGLE MODE FIBER OPTIC CABLE FOR NEW IDF.
9. REFER TO DETAIL "4/E1-1" ON THIS SHEET FOR INSTALLATION NEW IDF CABINET.
10. PROVIDE NEW CONNECTION FROM NEW PANEL TO EXISTING PANEL.



SURFACE MOUNTING EQUIPMENT ANCHORAGE DETAIL

SCALE: N.T.S. | 2

SITE ELECTRICAL PLAN

SCALE: 1"=20'-0" | 1

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drawing title: SITE ELECTRICAL PLAN

drawing no.: E1-1

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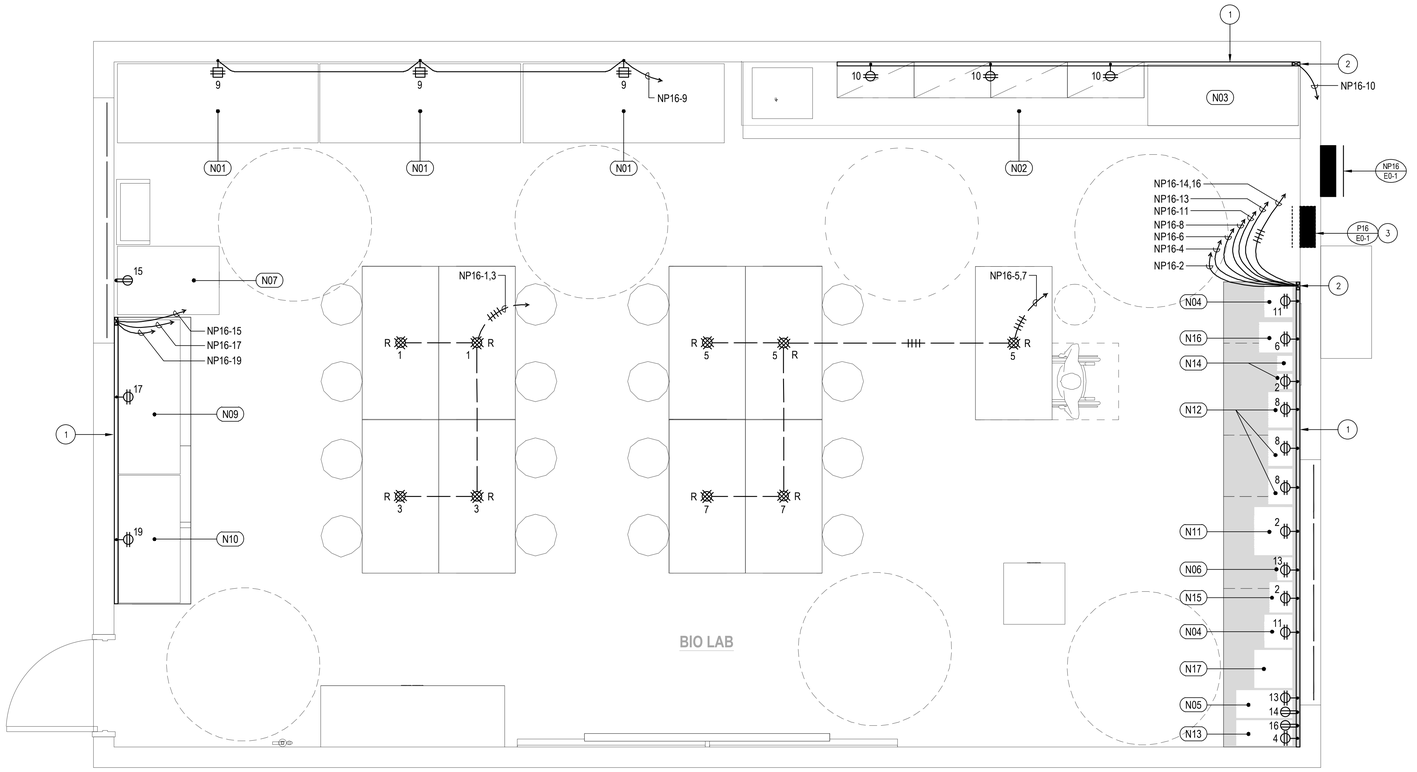
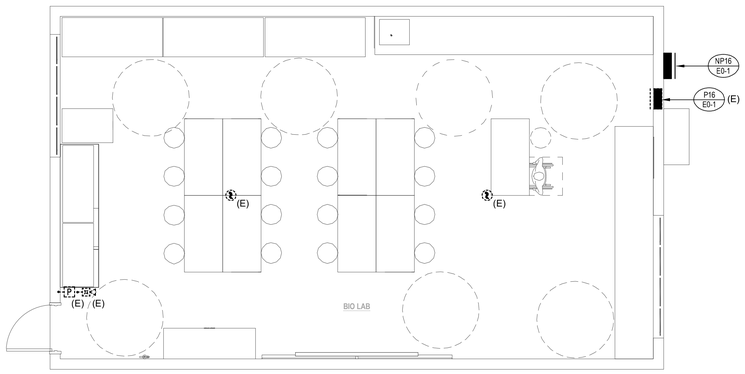


BIO LAB ELECTRICAL PLAN | SCALE: 1/2"=1'-0" | 1

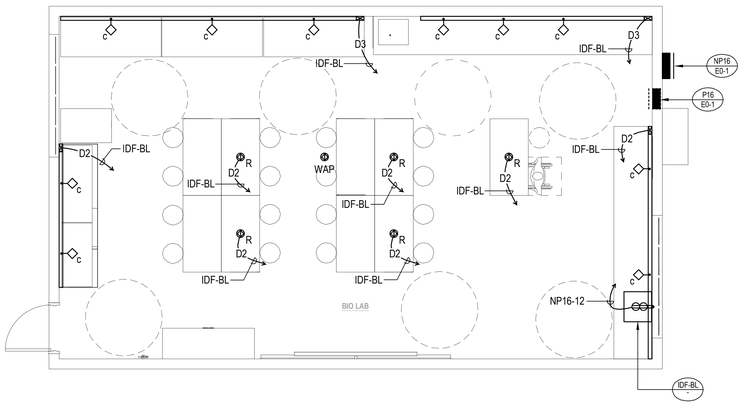
ALL FIRE ALARM DEVICES SHOWN ON THIS PLAN WERE INSTALLED UNDER A# 03-117449 AND ARE EXISTING TO BE PROTECTED IN PLACE.



SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.	DSA NO.	NOTES
(E)	EXISTING FIRE ALARM CONTROL PANEL AT COSMETOLOGY	SIMPLEX	4100 9114	A#03-117449	TO REMAIN
(E)	EXISTING ID NET NAC EXPANDER	SIMPLEX	4009 9201		TO REMAIN
(E)	EXISTING SMOKE DETECTOR EXISTING SMOKE DETECTOR BASE	SIMPLEX SIMPLEX	4098 9714 4098 9792		TO REMAIN
(E)	EXISTING MANUAL PULL STATION	SIMPLEX	4099 9201		TO REMAIN
75cd (E)	EXISTING HORN/STROBE WALL	SIMPLEX	4906 9127		TO REMAIN

NORTH
0 1 2 4 6

BIO LAB FIRE ALARM PLAN | SCALE: 1/4"=1'-0" | 3



NORTH
0 1 2 4 6

BIO LAB SIGNAL PLAN | SCALE: 1/4"=1'-0" | 2

PLAN NOTES

1. TWO (2) SECTION ALUMINUM RACEWAY SYSTEM FOR ROUTING POWER, DATA AND AUDIO/VISUAL CABLING COMPLETE WITH POWER, DATA OUTLETS, DEVICE BRACKETS AND OTHER ACCESSORIES, WIREMOLD 5400 OR EQUAL. PROVIDE FITTINGS AND VERTICAL WIRE WAY AND AUDIO/VISUAL WHERE CHANGE OF ELEVATION IS REQUIRED PER FIELD CONDITIONS. LOCATE DUPLEX POWER OUTLETS FOR EACH STATION AS INDICATED ON THE DRAWINGS.
2. EXTEND RACEWAY WALL MOUNTED AND VERTICALLY TO CEILING SPACE.
3. EXISTING PANEL TO REMAIN. PROVIDE NEW CIRCUIT BREAKER FOR SERVICE TO NEW PANEL NP16 PER SINGLE LINE DIAGRAM, SHEET E0-1.

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drawing title:
ELECTRICAL PLANS

drawing no.:
E2-1

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