

ABBREVIATIONS LIST

A: AND	E: EAST	H: HOSE BIB	P: PARTITION	T: THERMOSTAT
A.B. ANCHOR BOLT	(E) EXISTING	H.C. HOLLOW CORE	P.B. PANIC BAR	T.B. TOWEL BAR
A.C. ASPHALT CONCRETE	E.A. EACH	HDWD. HARDWOOD	P.L. PROPERTY LINE	T.C. TOP OF CURB
A.I.C. AIR CONDITIONING ACCESSIBLE	E.F. ELECTRIC DRINKING FOUNTAIN	HOBD. HARDBOARD	P.LAM. PLASTIC LAMINATE	T&G TONGUE & GROOVE
ACQUST. ACQUSTICAL	E.F. EXHAUST FAN	HDWE. HARDWARE	PLAS. PLASTER	TEL. TELEPHONE
AD. AREA DRAIN	E.J. ELECTRICAL	H.M. HOLLOW METAL	PLYWD. PLYWOOD	TEMP. TEMPERATURE
ADJ. SH. ADJUSTABLE SHELVING	E.L. ELECTRICAL	HORIZ. HORIZONTAL	P.M. PRESSED METAL	THICK THICK
A.F.F. ABOVE FINISH FLOOR	EMER. EMERGENCY	HR. HOUR	P.M.F. PRESSED METAL FRAME	THRESH. THRESHOLD
AGGR. AGGREGATE	ENCL. ENCLOSURE	HT. HEIGHT	P.NL. PANEL	TMP. TEMPORARY
ALUM. ALUMINUM	E.P. ELECTRICAL PANEL	I-D. INSIDE DIAMETER	P.O.C. POINT OF CONNECTION	T.O.C. TOP OF CONCRETE
APPROX. APPROXIMATE	EQIP. EQUIPMENT	ISA INTERNATIONAL SYMBOL OF ACCESSIBILITY	P.P. PROPERTY	T.O.F. TOP OF FINISH
ARCH. ARCHITECTURAL	E.W. EACH WAY	INSUL. INSULATION	P.S.F. POUNDS PER SQUARE FOOT	T.O.S. TOP OF STEEL
	EXPO. EXPOSED	INT. INTERIOR	P.S.I. POUNDS PER SQUARE INCH	T.O.W. TOP OF WALL
	EXT. EXTERIOR	JAN. JANITOR	P.T. PAPER TOWEL	T.P. TOP OF PAVING
		J.B. JOIST HANGER	P.T.D. PAPER TOWEL DISPENSER	T.P.H. TOILET PAPER HOLDER
		J.H. JOIST HANGER	P.T.R. PAPER TOWEL RECEPTACLE	T.P.D. TOILET PAPER DISPENSER
		J.T. JOINT		TS STRUCTURAL TUBE
		KIT. KITCHEN		T.S. TRANSITION STRIP
		LAB. LABORATORY		TEB TELEPHONE TERMINAL
		LAM. LAMINATE		
		LAV. LAVATORY		
		LT. LIGHT		
		L.H. LEFT HAND		
			Q-R QUARRY TILE	
			R. RISER	
			RAD. RADIUS	
			R.D. ROOF DRAIN	
			R.E. RIM ELEVATION	
			REBAR REINFORCING BAR	
			REF. REFERENCE	
			RESIL. RESILIENT	
			REQD. REQUIRED	
			R.H. RIGHT HAND	
			R.M. ROOM	
			R.O. ROUGH OPENING	
			R.WD. REDWOOD	
			R.W.L. RAIN WATER LEADER	
			S: SOUTH	
			S.B. SPLASH BLOCK	
			S.D. STORM DRAIN	
			SEC. SECURITY	
			S.C. SOLID CORE	
			SCHED. SCHEDULE	
			SECT. SECTION	
			SHT. SHEET	
			SHTG. SHEATHING	
			SIM. SIMILAR	
			S.M. SHEET METAL	
			S.M.S. SHEET METAL SCREW	
			SPEC'S. SPECIFICATIONS	
			SQ. SQUARE	
			S.STL. STAINLESS STEEL	
			STA. STATION	
			STD. STANDARD	
			STL. STEEL	
			STOR. STORAGE	
			STRUC. STRUCTURAL	
			S.T.S.M.S. SELF TAPPING SHEET METAL SCREW	
			OPNG. OPENING	
			OPP. OPPOSITE	
			S/S SERVICE SINK	
			S/S SUSPENDED	
			SYM. SYMMETRICAL	
			U.C. UNDER COUNTER OR CABINET	
			UNF. UNFINISHED	
			UR. URINAL	
			U.S. URINAL SCREEN	
			V.C. VINYL COMPOSITION TILE	
			V.C.F. VINYL COATED FABRIC	
			VERT. VERTICAL	
			V.T.B. VINYL TABK BOARD	
			V.W.C. VINYL WALL COVERING	
			W: WATER	
			W. WEST	
			W. WITH	
			W.C. WATER CLOSET	
			WD. WOOD	
			W.H. WATER HEATER	
			W.M. WATERPROOF MEMBRANE	
			W/O WITHOUT	
			W.P. WATERPROOF	
			W.R. WATER RESISTANT	
			WT. WEIGHT	
			W.W.F. WELDED WIRE FABRIC	

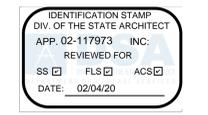
SOLANO COMMUNITY COLLEGE

**BUILDING 300
INTERIOR IMPROVEMENTS**

4000 SUISUN VALLEY RD., FAIRFIELD CA 94534

SHEET INDEX

ARCHITECTURAL	AD.0 COVER SHEET
	AD.1 OVERALL FLOOR AND EXISTING PLAN
	AS1.0 OVERALL SITE PLAN
	AS1.1 ENLARGED SITE PLAN AND DETAILS
	A1.0 DEMOLITION FLOOR PLAN
	A1.1 ENLARGED FLOOR PLAN
	A2 ENLARGED REFLECTED CEILING PLAN
	AS.0 INTERIOR ELEVATIONS
	AS.1 INTERIOR ELEVATIONS
	A6 DOOR AND WINDOW SCHEDULE AND DETAILS
	A7 SECTION AND DETAILS
	EQ EQUIPMENT AND FURNITURE PLAN
	SHEETS = 12
MECHANICAL	M1.0 MECHANICAL LEGEND, SCHEDULES, & NOTES
	M2.0 MECHANICAL FLOOR PLAN - DEMOLITION
	M2.1 MECHANICAL FLOOR PLAN - NEW
	SHEETS = 3
PLUMBING	PL.0 PLUMBING LEGEND, SCHEDULES, & NOTES
	P2.0 PLUMBING PLANS
	P2.1 PLUMBING PLANS
	SHEETS = 3
ELECTRICAL	E1 ELECTRICAL SCHEDULES, NOTES & ONE LINE DIAGRAM
	E2 ELECTRICAL SITE PLAN & NOTES
	E3 ELECTRICAL LIGHTING PLAN & NOTES
	E4 ELECTRICAL DEMOLITION PLAN & NOTES
	E5 ELECTRICAL POWER PLAN & NOTES
	E6 ELECTRICAL SIGNAL PLAN & NOTES
	E7 FIRE ALARM PLAN
	SHEETS = 7
TOTAL SHEETS = 25	



HMR ARCHITECTS
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GENERAL NOTES

- ALL WORK IS NEW UNLESS SPECIFICALLY NOTED AS EXISTING. ALL WORK SHALL BE BY G.C. UNLESS SPECIFICALLY NOTED BY OWNER, BY OTHERS, OR BY N.I.C.
- CONTRACTOR SHALL VISIT THE SITE PRIOR TO HIS BID TO DETERMINE ACTUAL JOB SITE CONDITIONS AND REQUIRED EXTENT OF WORK FOR THIS PROJECT.
- CONTRACTOR SHALL VERIFY SOLANO COMMUNITY COLLEGE (S.C.C.) REQUIREMENTS FOR WORK HOURS, ETC. WITH S.C.C. PROJECT MANAGER PRIOR TO BIDDING AND COMMENCEMENT OF WORK. CONTRACTOR SHALL COMPLY WITH ALL S.C.C. REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE A JOB SITE PHONE & EMAIL WITHIN 5 WORKING DAYS AND INFORM ARCHITECT OF PHONE NUMBER AT CONSTRUCTION KICK-OFF MEETING. G.C. SHALL MAINTAIN A COMPUTER W/ EMAIL CAPABILITIES ON SITE AT ALL TIMES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXISTING CONDITIONS AND NOTING ANY DISCREPANCIES WITH THE CONTRACT DOCUMENTS PRIOR TO BIDDING THE PROJECT. CONTRACTOR SHALL CONTACT ARCHITECT FOR RESOLUTION PRIOR TO PROCEEDING WITH RELATED WORK. OTHERWISE, CONTRACTOR IS RESPONSIBLE FOR CORRECTIONS AT NO EXTRA COST TO OWNER.
- G.C. SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ALL FINISH MATERIALS & EQUIPMENT AS SPECIFIED HEREIN. ANY DEVIATION IN COST DUE TO SHIPPING DELAYS, MATERIAL UPGRADES, SHALL BE BORN BY THE G.C. ALL MATERIALS NOT IDENTIFIED AS PROBLEMS PRIOR TO BID, SHALL BE THE RESPONSIBILITY OF THE G.C. TO SUPPLY AS NOTED ON THE BID FORM.
- ALL DEMOLITION IS INCLUDED IN THE BASE BID. CONTRACTOR SHALL PROVIDE ALL DEMOLITION NECESSARY TO COMPLETE ALL NEW WORK AS INDICATED ON THE PLANS.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL ADJACENT WORK AND SHALL COORDINATE WITH ALL OTHER TRADES SO AS TO FACILITATE THE GENERAL PROGRESS OF THE WORK. EACH TRADE SHALL AFFORD ALL OTHER TRADES EVERY REASONABLE OPPORTUNITY FOR THE INSTALLATION OF THEIR WORK AND FOR THE STORAGE OF THEIR MATERIAL.
- GENERAL CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS AND QUANTITIES OF ITEMS TO BE REMOVED/REPLACED OR TO BE REINSTALLED PRIOR TO SUBMITTAL OF BID. G.C. SHALL NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES PRIOR TO THE BID DUE DATE FOR FURTHER CLARIFICATION - AS DEFINED IN BID INSTRUCTIONS.
- G.C. WILL BE HELD RESPONSIBLE FOR COMPLETION OF ENTIRE WORK IN A MANNER/INTENT FOR THIS TYPE OF PROJECT REGARDLESS OF QUANTITIES SHOWN IN PLANS.
- ANY EXISTING ITEMS SHOWN WITHOUT NOTATION FOR REMOVAL SHALL BE PROTECTED THROUGHOUT DEMOLITION AND RENOVATIONS. G.C. WILL BE REQUIRED TO REPLACE ANY/ALL ITEMS TO REMAIN THAT ARE DAMAGED BY WORK AT NO ADDITIONAL COST TO U.C.D. AND ALSO AT A QUALITY LEVEL EQUAL TO OR EXCEEDING THE ORIGINAL CONDITIONS.
- SEE ALSO ENGINEERED DRAWINGS FOR FULL EXTENT OF THE DEMOLITION WORK.
- ITEMS SHOWN TO BE REMOVED SHALL BE DISPOSED OF PROPERLY BY THE G.C. UNLESS OTHERWISE NOTED.

OWNER

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SYMBOLS LEGEND

	CONCRETE		WOOD FRAMING (CONT. MEMBER)		SECTION NUMBER		REVISION NUMBER
	CONCRETE BLOCK		WOOD FRAMING (BLOCKING)		SHEET WHERE SECTION IS DRAWN		MATCH LINE
	A.C. PAVING		WOOD MEMBER (FINISHED)		DETAIL NUMBER SHEET WHERE DETAIL IS DRAWN		DATUM, WORK OR CONTROL NUMBER
	CERAMIC TILE OR BRICK		INSULATION		LOCATION NUMBER SHEET WHERE ENLARGED PLAN IS DRAWN		ANGLE
	SAND MORTAR OR PLASTER		ROOM NUMBER		ELEVATION NUMBER SHEET WHERE ELEVATION IS DRAWN		DIAMETER OR ROUND
	AGGREGATE		WINDOW TYPE		DOOR NUMBER		PERPENDICULAR
	EARTH		EQUIPMENT NUMBER		PARTITION TYPE		POUND OR NUMBER
	METAL		KEYNOTE		GRID LINE/NUMBER		CENTERLINE
	PLYWOOD		GRID CENTER LINE/NUMBER		PLATE OR PROPERTY LINE		
	GYPSUM BOARD						
	GLASS						

SCOPE OF WORK

- GRAPHIC SERVICES AREA**
- CONVERT AN ORGANIC CHEMISTRY LAB AND ADJACENT CHEMISTRY STORAGE ROOMS TO THE GRAPHIC SERVICES CENTER.
 - REMOVE LAB DESKS, CASEWORK AND CHEMICAL FUME HOODS. CAP UTILITIES.
 - REMOVE CASEWORK, SHELVING, ETC FROM STORAGE AREAS AND VAULT.
 - INSTALL FRAMED WALLS TO CREATE A STAFF COPY AREA.
 - PROVIDE AN OPENING FOR DOUBLE DOORS THROUGH THE EXISTING WALL TO CONNECT THE STAFF COPY AREA TO GRAPHIC SERVICES.
 - INSTALL CASEWORK WITH AN ACCESSIBLE SINK FOR STAFF USE.
 - PROVIDE A WALL SLOT FOR ORDER FORMS.
 - REPAIR WALLS, INSTALL WALL BASE AND PAINT.
 - PATCH VCT FLOORING.
 - REMOVE THE EYE WASH AND INSTALL A STAINLESS STEEL UTILITY SINK.
 - PROVIDE NECESSARY POWER AND DATA TO SUPPORT GRAPHIC SERVICES EQUIPMENT.
 - MODIFY MECHANICAL DUCTING TO PROVIDE ADEQUATE AIR TO NEW SPACE.
 - PROVIDE STEEL FRAME SHELVING FOR PAPER STORAGE.
- MAIL ROOM**
- CONVERT CHEMISTRY PREP AREA TO A MAIL ROOM.
 - REMOVE CASEWORK, SHELVING AND CHEMICAL FUME HOOD. CAP UTILITIES.
 - INFILL AN EXISTING DOORWAY.
 - INSTALL FRAMED WALLS TO DIVIDE SPACE INTO AN OFFICE AND MAIL PICK-UP AREA.
 - REPAIR WALLS, INSTALL WALL BASE AND PAINT.
 - PATCH VCT FLOORING.
 - PROVIDE NECESSARY POWER AND DATA TO SUPPORT MAIL ROOM EQUIPMENT.
 - MODIFY MECHANICAL DUCTING TO PROVIDE ADEQUATE AIR TO NEW SPACE.
 - PROVIDE STEEL FRAME MAIL CUBBIES.
- ACCESSIBILITY UPGRADES**
- REPLACE ENTRY DOOR AND THRESHOLD TO BE ACCESSIBLE.
 - REMOVE CURB AT LOCKED EXAM PICK UP ROOM TO BE ACCESSIBLE.
 - LEVEL FLOOR AND REMOVE DRAIN IN THE LOCKED EXAM PICK UP ROOM TO BE ACCESSIBLE.
 - PROVIDE ACCESSIBLE SINK IN GRAPHIC SERVICES AREA.
 - ALL OTHER ITEMS ARE ACCESSIBLE. SEE SHEET AD.1 AND AS1.0 FOR DSA NUMBERS.

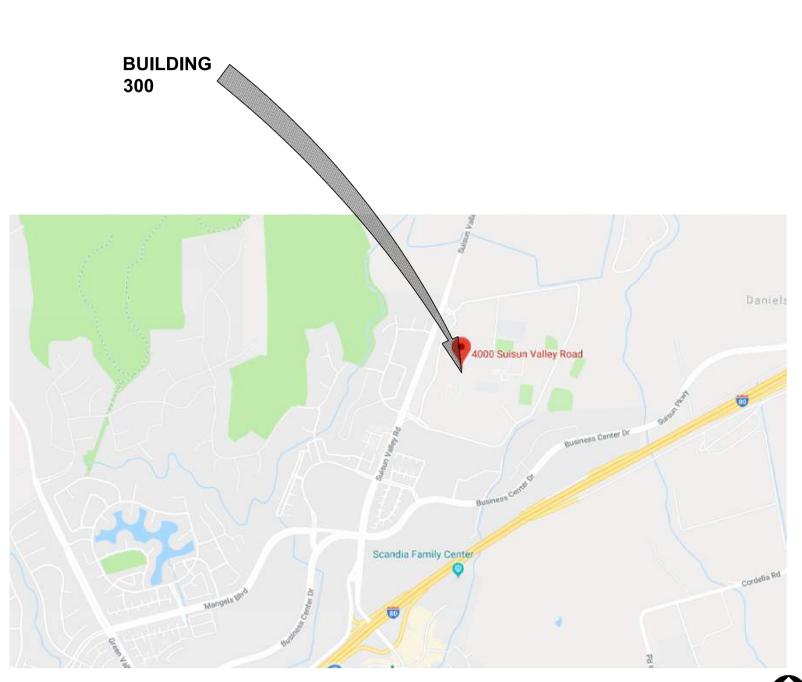
NOTE

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE CONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THESE DOCUMENTS WHENEVER THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED WORK, SHALL BE SUBMITTED TO AND APPROVED BY DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK.

INSPECTOR

A 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, PART 1, TITLE 24, CCR, CLASS 3 INSPECTOR REQUIRED.

VICINITY MAP



NOT TO SCALE

PROJECT CODE DATA

MUNICIPAL JURISDICTION	STATE OF CALIFORNIA
CODE	2016 CBC
CONSTRUCTION SHALL COMPLY WITH TITLE 24, CALIFORNIA CODE REGULATIONS, INCLUDING THE FOLLOWING:	
TITLE 24, CCR, PART 1	2016 CALIFORNIA ADMINISTRATIVE CODE
TITLE 24, CCR, PART 2	2016 CALIF. BUILDING CODE (CBC)
TITLE 24, CCR, PART 3	2016 CALIF. ELECTRICAL CODE (CEC)
TITLE 24, CCR, PART 4	2016 CALIF. MECHANICAL CODE (CMC)
TITLE 24, CCR, PART 5	2016 CALIF. PLUMBING CODE (CPC)
TITLE 24, CCR, PART 6	2016 CALIFORNIA ENERGY CODE
TITLE 24, CCR, PART 9	2016 CALIF. FIRE CODE (CFC)
TITLE 24, CCR, PART 11	2016 CALIF. GREEN BUILDING STANDARDS
TITLE 24, CCR, PART 12	2016 CALIF. REFERENCED STANDARDS
TITLE 19, CCR, PUBLIC SAFETY	STATE FIRE MARSHALL REGULATIONS
NFPA 13:	AUTOMATIC SPRINKLER SYSTEMS, 2016 EDITION
NFPA 14:	STANDPIPE SYSTEMS, 2016 EDITION
NFPA 17:	DRY CHEMICAL EXTINGUISHING, 2013 EDITION
NFPA 20:	STATIONARY PUMPS, 2016 EDITION
NFPA 24:	PRIVATE FIRE MAINS, 2016 EDITION
NFPA 72:	NATIONAL FIRE ALARM CODE, 2016 EDITION (CALIFORNIA AMENDED)
NFPA 2001:	CLEAN AGENT FIRE EXTINGUISHING, 2015 EDITION
OCCUPANCY CLASSIFICATION AND USE	B
BUILDING CONSTRUCTION TYPE	III-N
NUMBER OF STORIES	ONE STORY
BUILDING AREA IN SQUARE FEET	20,480
FIRE SPRINKLERED	LIMITED AREAS
FIRE ALARM	YES
YEAR BUILDING WAS CONSTRUCTED.	1969
YEAR BUILDING WAS MODERNIZED.	2006
IS THE BUILDING IN A HIGH FIRE HAZARD SEVERITY ZONE.	NO
FIRE SAFETY CONSTRUCTION AND DEMOLITION SHALL COMPLY WITH CFC CHAPTER 33	

DSA #02-117973

SOLANO COMMUNITY COLLEGE

B300 MODIFICATIONS: MAILROOM AND GRAPHICS PROJECT

4000 SUISUN VALLEY RD., FAIRFIELD, CA 94534

DSA APPROVED SET

REVISIONS

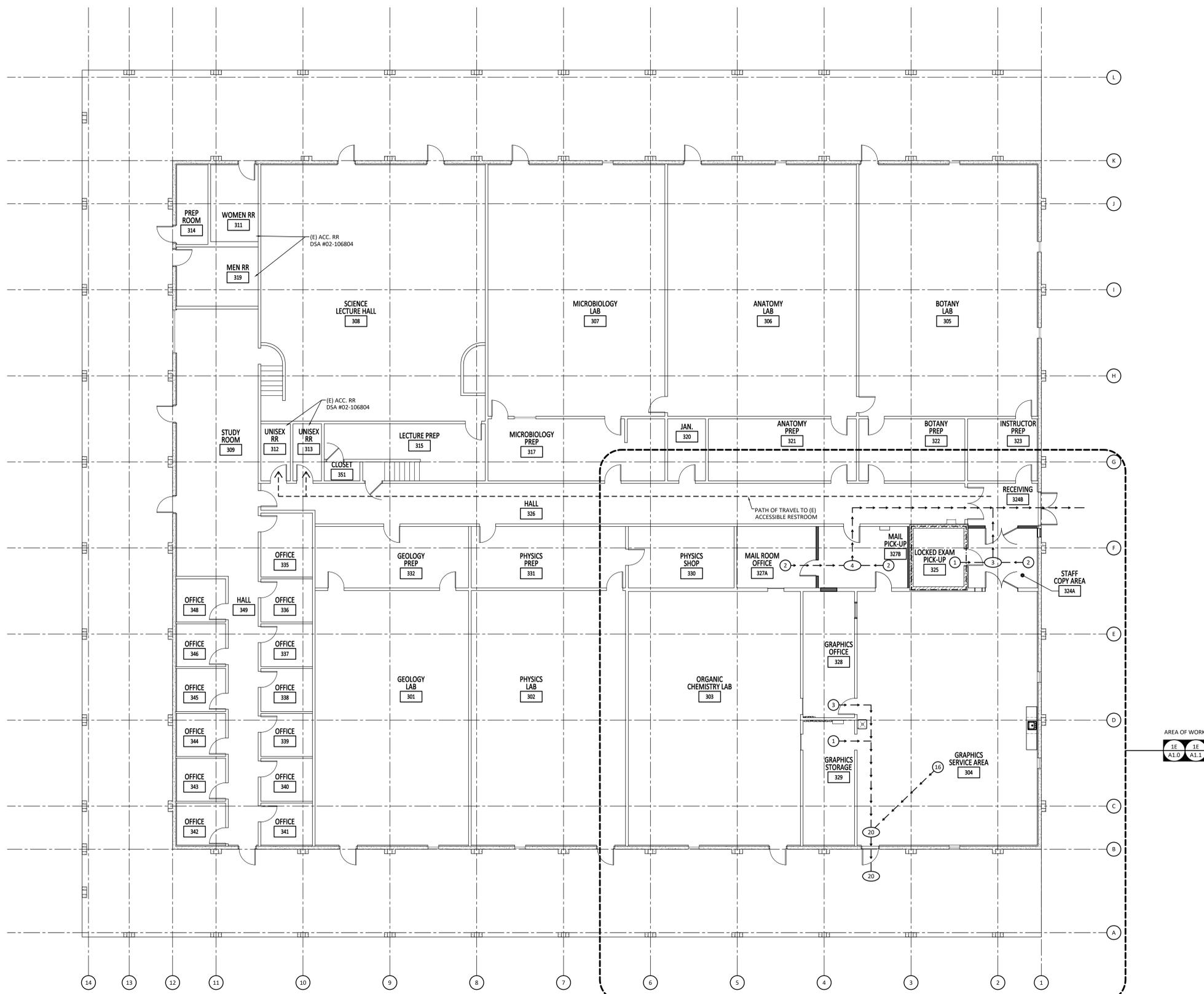
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COVER SHEET

NOVEMBER 19, 2019

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CHECKED BY:
JOB NO: 19052

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LEGEND

⊙ ROOM OCCUPANT LOAD

⊕ P.O.T. OCCUPANT LOAD - CUMULATIVE

→ → → PATH OF EGRESS

--- (E) 1-HR RATED WALL, OCCUPANCY RATING CHANGING FROM 'H' TO 'B' NO LONGER REQUIRED

GRAPHIC SERVICES AREA

AREA / OCCUPANT LOAD ANALYSIS

PER 2016 CBC TABLE 1004.1.2 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

AREA/USE	S.F. (NET)	LOAD FACTOR	OCC LOAD
GRAPHIC SERVICE AREA	1,550	1/100	16
GRAPHICS OFFICE	220	1/100	3
GRAPHICS STORAGE	220	1/300	1
TOTAL OCC.			20

EXITING

PER CBC 2016 1006.2.1, MINIMUM EXITS REQUIRED = 1

EXITS PROVIDED = 1

TOTAL EXITING WIDTH REQUIRED = OCCUPANT LOAD MULTIPLIED BY 0.2
 = 20 x 0.2 = 4" REQUIRED
 = MIN. DOOR WIDTH REQUIRED = 32" CLEAR

TOTAL EXITING WIDTH PROVIDED = 1 EXIT @ 3'-0"
 TOTAL = 34" CLEAR
 = 34" > 4" = OK

STAFF COPY AREA

AREA / OCCUPANT LOAD ANALYSIS

PER 2016 CBC TABLE 1004.1.2 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

AREA/USE	S.F. (NET)	LOAD FACTOR	OCC LOAD
STAFF COPY AREA	145	1/100	2
LOCKED EXAM PICK-UP	100	1/100	1
TOTAL OCC.			3

EXITING

PER CBC 2016 1006.2.1, MINIMUM EXITS REQUIRED = 1

EXITS PROVIDED = 1

TOTAL EXITING WIDTH REQUIRED = OCCUPANT LOAD MULTIPLIED BY 0.2
 = 3 x 0.2 = 0.6" REQUIRED
 = MIN. DOOR WIDTH REQUIRED = 32" CLEAR

TOTAL EXITING WIDTH PROVIDED = 1 EXIT @ 6'-0"
 TOTAL = 68" CLEAR
 = 68" > 0.6" = OK

MAIL ROOM AREA

AREA / OCCUPANT LOAD ANALYSIS

PER 2016 CBC TABLE 1004.1.2 - MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

AREA/USE	S.F. (NET)	LOAD FACTOR	OCC LOAD
MAIL ROOM OFFICE 327A	165	1/100	2
MAIL PICK-UP 327B	190	1/100	2
TOTAL OCC.			4

EXITING

PER CBC 2016 1006.2.1, MINIMUM EXITS REQUIRED = 1

EXITS PROVIDED = 1

TOTAL EXITING WIDTH REQUIRED = OCCUPANT LOAD MULTIPLIED BY 0.2
 = 4 x 0.2 = 0.8" REQUIRED
 = MIN. DOOR WIDTH REQUIRED = 32" CLEAR

TOTAL EXITING WIDTH PROVIDED = 1 EXIT @ 3'-0"
 TOTAL = 34" CLEAR
 = 34" > 0.8" = OK

GENERAL NOTES

1. NO HAZARDOUS MATERIALS ARE STORED AND USED IN THIS BUILDING. ALL CLASSROOMS AND THE GRAPHICS/MAIL ROOM ARE A GROUP B OCCUPANCY = NO FIRE SEPARATION IS REQUIRED.

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 02-117973 INC.
 REVIEWED FOR
 SS [] FLS [] ACS []
 DATE: 02/04/20

HMRARCHITECTS
 2130 21st Street
 Sacramento, CA 95811
 T 916 736 272

LICENSED ARCHITECT
 CAMERON FRITZ
 No. 24706
 Exp. 12/31/21
 STATE OF CALIFORNIA

DSA #02-117973

SOLANO COMMUNITY COLLEGE

B300 MODIFICATIONS: MAILROOM AND GRAPHICS PROJECT

4000 SUISUN VALLEY RD, FAIRFIELD, CA 94534

DSA APPROVED SET

REVISIONS

NO.	DESCRIPTION	DATE
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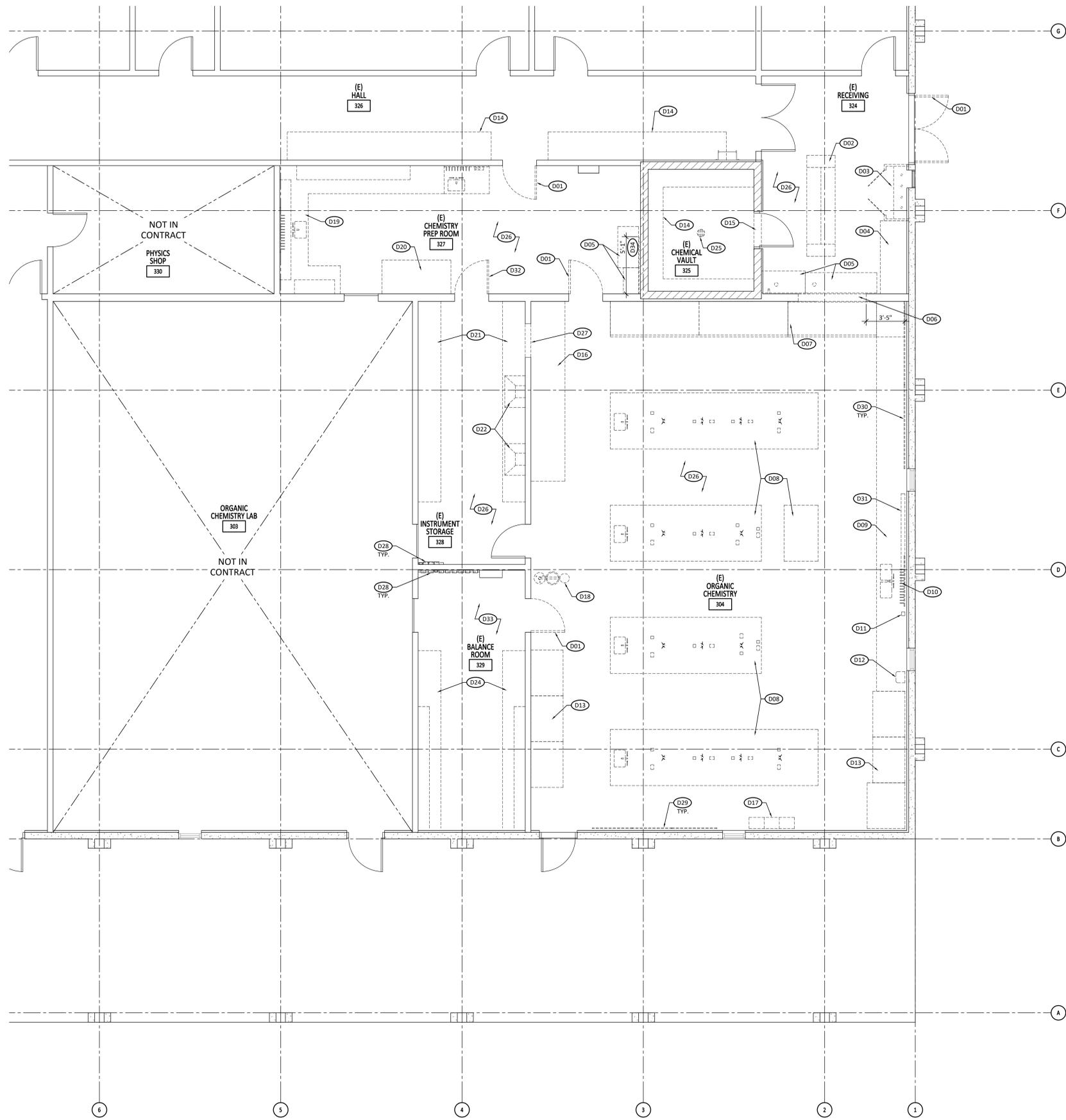
OVERALL FLOOR PLAN
 EXITING PLAN

NOVEMBER 19, 2019

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 CHECKED BY: []
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DEMOLITION FLOOR PLAN KEYNOTES

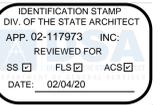
- (D01) REMOVE DOORS. (E) FRAME TO REMAIN
- (D02) REMOVE SHELVING. PATCH SLAB AT ANCHORAGE
- (D03) REMOVE CABINET WITH SHELVING. DEMOLISH GAS PIPING PER PLUMBING
- (D04) DEMOLISH SHELVING & BRACKETS
- (D05) REMOVE CHEMICAL CABINETS. CAP EXHAUST PER MECHANICAL
- (D06) DEMOLISH PORTION OF WALL FOR (N) DOORS. SEE ELEVATIONS & SCHEDULE FOR SIZING
- (D07) DEMOLISH FUME HOODS (TYPICAL OF 6). CAP UTILITIES PER MECHANICAL & PLUMBING
- (D08) DEMOLISH LAB ISLANDS (TYPICAL OF 4). INCLUDING UTILITY PEDESTALS. CAP UTILITIES PER MECHANICAL, PLUMBING & ELECTRICAL
- (D09) DEMO CASEWORK INCLUDING SINK. CAP UTILITIES PER MECHANICAL, PLUMBING & ELECTRICAL
- (D10) DEMOLISH BEAKER DRYING RACK
- (D11) SALVAGE SOAP DISPENSER. REINSTALL
- (D12) SALVAGE PAPER TOWEL DISPENSER. REINSTALL
- (D13) DEMOLISH FUME HOODS (TYPICAL OF 3). CAP UTILITIES PER MECHANICAL & PLUMBING
- (D14) DEMOLISH SHELVING & BRACKETS. PATCH WALL AT ANCHORAGE POINTS
- (D15) REMOVE CONCRETE CURB FOR FLUSH TRANSITION
- (D16) DEMOLISH FUME HOODS (TYPICAL OF 4). CAP UTILITIES PER MECHANICAL & PLUMBING
- (D17) DEMOLISH CUBBIES WITH COAT HOOKS
- (D18) DEMOLISH EYEWASH. SEE MECHANICAL & PLUMBING
- (D19) DEMOLISH CASEWORK INCLUDING SINKS, OVERHEAD SHELVING, & BEAKER RACKS. CAP UTILITIES PER MECHANICAL & PLUMBING
- (D20) DEMOLISH FUME HOOD. CAP UTILITIES PER MECHANICAL & PLUMBING
- (D21) DEMOLISH CASEWORK
- (D22) DEMOLISH STAINLESS STEEL EXHAUST HOODS. SEE MECHANICAL
- (D24) DEMOLISH CASEWORK INCLUDING OVERHEAD CABINETS
- (D25) REMOVE (E) FLOOR DRAIN. CAP PIPE. SEE PLUMBING
- (D26) REMOVE (E) GYP. BD. 48" A.F.F. & BELOW
- (D27) REMOVE PORTION OF (E) WALL FOR WINDOW. SEE ELEVATIONS & SCHEDULE FOR SIZING
- (D28) (E) ELECTRICAL PANELS & DISCONNECTS. SEE ELECTRICAL
- (D29) (E) CHALKBOARDS TO BE REMOVED. RETURN TO THE COLLEGE
- (D30) (E) BULLETIN BOARDS TO BE REMOVED. RETURN TO THE COLLEGE
- (D31) (E) PROJECTOR SCREEN & MOUNTING TO BE REMOVED. RETURN TO THE COLLEGE
- (D32) REMOVE DOOR & FRAME
- (D33) REMOVE (E) GYP. BD. @ 72" A.F.F. & BELOW WHERE SHELVES TO BE INSTALLED
- (D34) REMOVE (E) FURRING & GYP. BD. FLOOR TO CEILING

WALL LEGEND

- (E) PRECAST CONC. PANEL WITH 2x FURRED WALL ON INTERIOR
- (E) 2x4 WOOD STUDS AT 16" OC
- (E) CMU WALL
- (E) WALLS OR EQUIPMENT TO BE REMOVED

GENERAL NOTES

1. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING DEMOLITION WORK HAVE BEEN APPROVED BY DSA.



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DSA #02-117973

**SOLANO
COMMUNITY
COLLEGE**

**B300
MODIFICATIONS:
MAILROOM AND
GRAPHICS PROJECT**

**4000 SUISUN VALLEY RD,
FAIRFIELD, CA 94534**

DSA APPROVED SET

REVISIONS

NO.	DESCRIPTION	DATE

DEMOLITION FLOOR PLAN

NOVEMBER 19, 2019

DRAWN BY:

CHECKED BY:

DATE:

A1.0

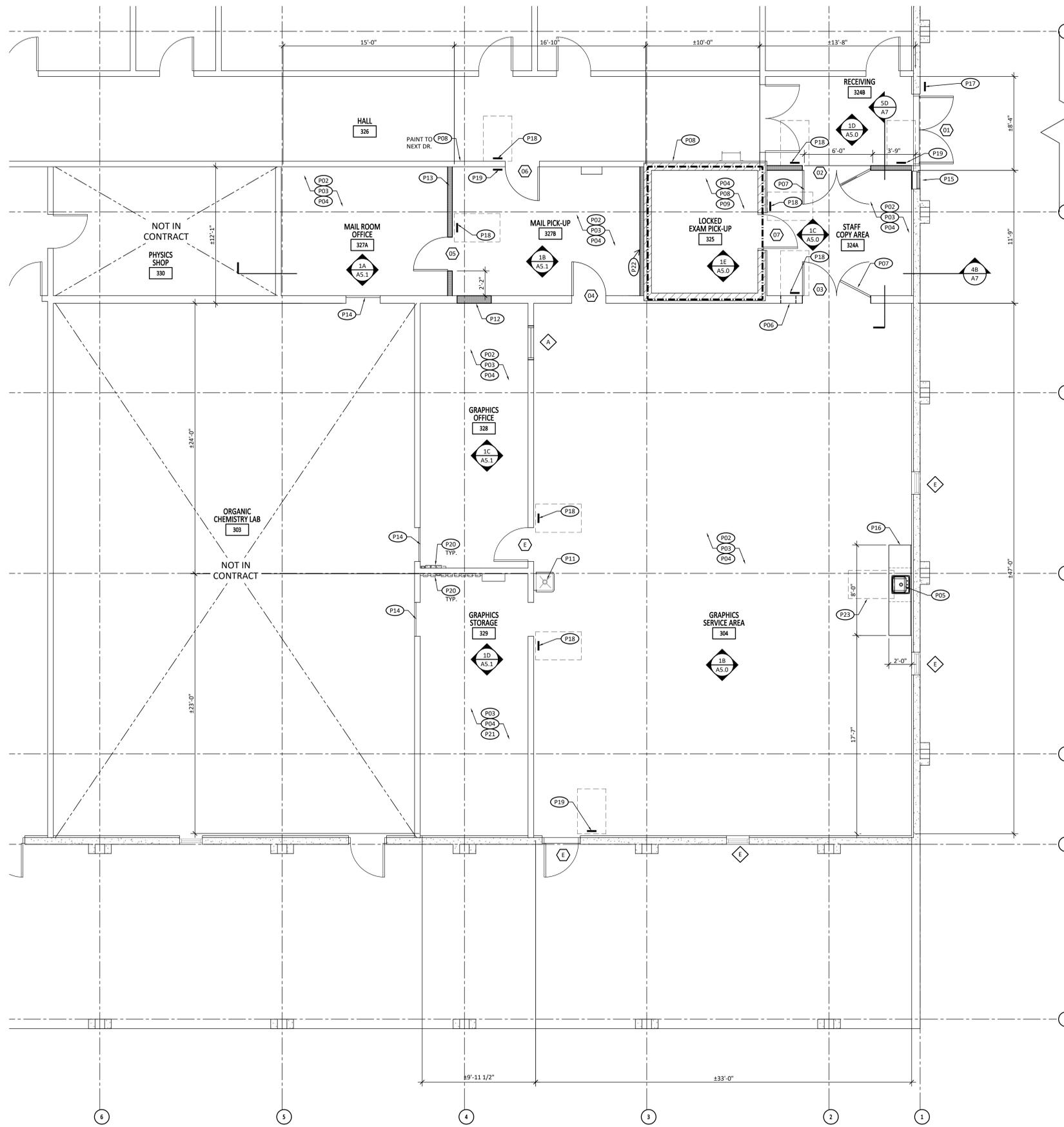
19052

1/29/2020 9:59 AM MARISSAO E:\SOLANO CC\19052 BLDG 300 MAIL ROOM\A1-ENLARGED DEMO PLAN.DWG

ENLARGED DEMOLITION FLOOR PLAN



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



FLOOR PLAN KEYNOTES

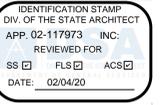
- (P01) NOT USED
- (P02) INSTALL GYP. BD. BELOW 48" A.F.F. PATCH WALLS WHERE EQUIPMENT & CASEWORK HAS BEEN REMOVED. PAINT
- (P03) PATCH VCT FLOORING WHERE TILES ARE DAMAGED OR MISSING
- (P04) INSTALL 4" RUBBER BASE AT WALLS, TYP.
- (P05) STAINLESS STEEL TOP MOUNT SINK. SEE PLUMBING
- (P06) 16" WIDE x 4" HIGH SLOT FOR STAFF ORDERS. SEE (2D A7)
- (P07) ALIGN DOUBLE DOORS. ONE LEAF SHALL BE ACTIVE, THE OTHER INACTIVE
- (P08) PATCH WALLS WHERE SHELVING HAS BEEN REMOVED. PAINT
- (P09) FLOAT FLOOR LEVEL & INSTALL VCT. PATCH FLOOR WHERE CURB WAS REMOVED AT DOOR. SEE SPECIFICATIONS
- (P10) NOT USED
- (P11) STAINLESS STEEL FLOOR MOUNTED UTILITY SINK. SEE PLUMBING
- (P12) INFILL WALL TO MATCH (E). PAINT. SEE (5E A7)
- (P13) 2x4 STUDS @ 16" O.C. WITH 5/8" GYP. BD. EACH SIDE. PAINT. SEE (4C A7) (4E A7)
- (P14) SECURE (E) DOOR IN CLOSED POSITION. REMOVE DOOR LATCHING HARDWARE AND PROVIDE A COVER PLATE. PROVIDE BLACK VINYL MAGNETIC SHEETING OVER WINDOW PER (4C A6)
- (P15) CLOSE OFF (E) LOUVER. SEE (2E A7)
- (P16) LOWER CASEWORK WITH PLAM COUNTERTOP WITH 4" BACKSPLASH. SEE (2C A7)
- (P17) ISA SIGNAGE PER (5A A6)
- (P18) ROOM IDENTIFICATION SIGNAGE PER (6A A6)
- (P19) EXIT SIGNAGE PER (5B A6)
- (P20) (E) ELECTRICAL PANELS. SEE ELECTRICAL
- (P21) INSTALL GYP. BD. BELOW 72" A.F.F. PATCH WALLS WHERE EQUIPMENT & CASEWORK HAS BEEN REMOVED. PAINT
- (P22) 2x4 STUDS @ 16" O.C. WITH 5/8" GYP. BD. ON ONE SIDE. PAINT. SEE (4C A7) (4E A7)
- (P23) 30"x48" CLR. SPACE

LEGEND

- (#) DOOR PER DOOR SCHEDULE. SEE (5E A6)
- (#) WINDOW PER WINDOW SCHEDULE. SEE (3E A6)

WALL LEGEND

- (E) PRECAST CONC. PANEL WITH 2x FURRED WALL ON INTERIOR
- (E) 2x4 WOOD STUDS AT 16" OC
- (E) CMU WALL
- 2x4 WOOD STUDS AT 16" O.C. WITH 5/8" GYP. BD. EACH SIDE
- (E) 1-HR RATED WALL. OCCUPANCY RATING CHANGING FROM 'H' TO 'B' NO LONGER REQUIRED



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ENLARGED
FLOOR PLAN

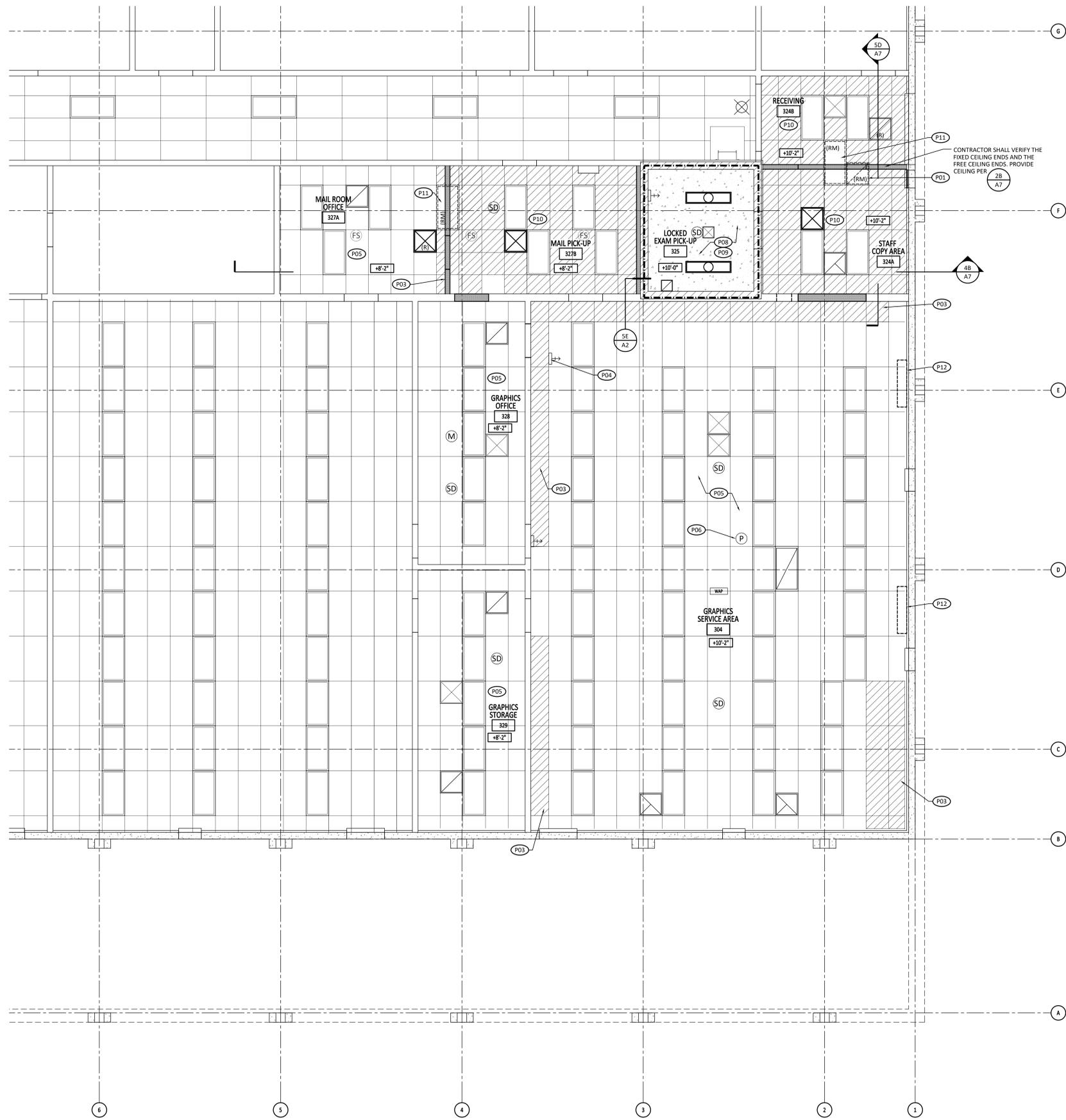
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A1.1



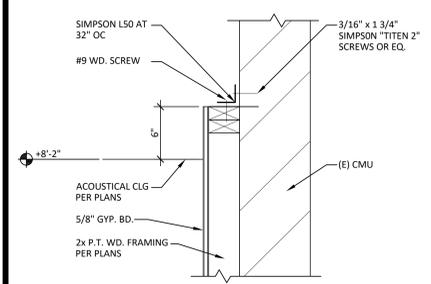
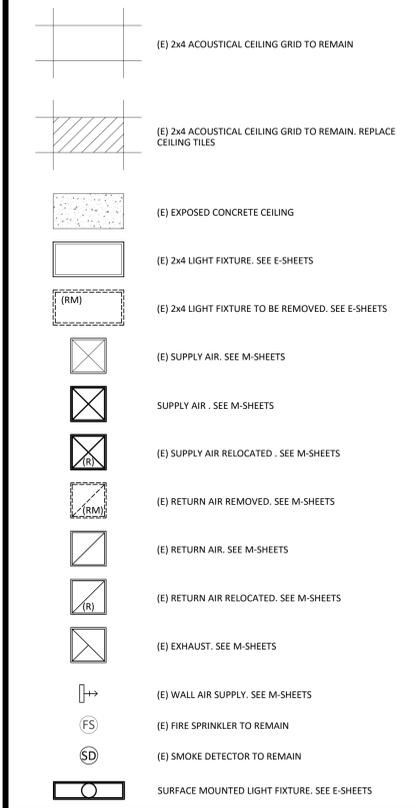
1/29/2020 9:58 AM MARISSAO
E:\SOLANO COL\19052.BLDG 300 MAIL ROOM\REFLECTED CEILING.DWG



REFLECTED CEILING PLAN KEYNOTES

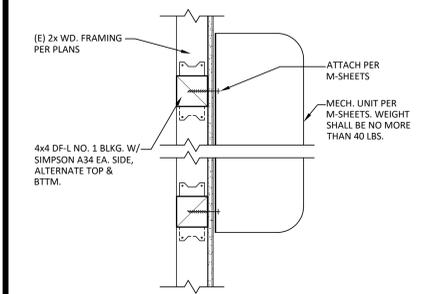
- (P01) REMOVE & RELOCATE RETURN AIR. SEE MECHANICAL
- (P02) NOT USED
- (P03) INSTALL AND/OR REPLACE CEILING TILES WHERE FUME HOODS WERE REMOVED TO MATCH (E)
- (P04) MODIFY SUPPLY AIR DUCT & DIFFUSER AT REMOVED FUME HOOD. SEE MECHANICAL
- (E) GRID & TILES TO REMAIN. REMOVE & REINSTALL AS REQUIRED FOR (N) WORK.
- (P05) REPLACE DAMAGED CEILING TILES TO MATCH (E)
- (P06) REMOVE PROJECTOR MOUNT. PULL WIRES ABOVE CEILING. REPLACE CEILING TILE. SEE ELECTRICAL
- (P07) NOT USED
- (P08) REPLACE LIGHTING & DIFFUSERS. SEE ELECTRICAL & MECHANICAL
- (P09) PAINT (E) CEILING
- (P10) (E) CEILING GRID TO REMAIN. MODIFY GRID AT (N) WALL. INSTALL (N) CEILING TILES
- (P11) REMOVE (E) LIGHT FIXTURE. INSTALL CEILING TILES. SEE ALSO ELECTRICAL
- (P12) WALL MOUNTED MECH. UNIT PER M-SHEETS. FOR BLKG, SEE (E) A2

CEILING LEGEND



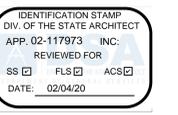
WALL TOP ATTACHMENT

SCALE: 1 1/2"=1'-0"



BLKG. AT MECH UNIT

SCALE: 1 1/2"=1'-0"



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NOVEMBER 19, 2019

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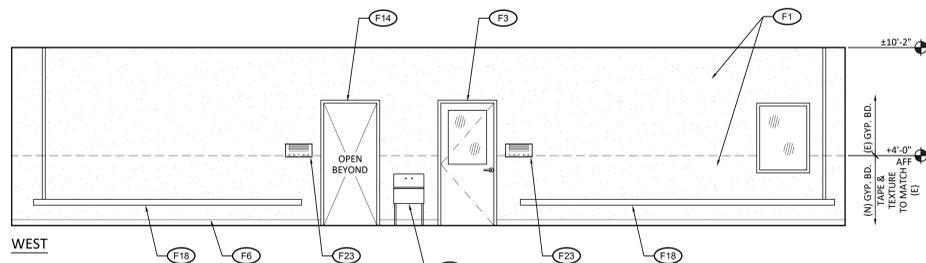
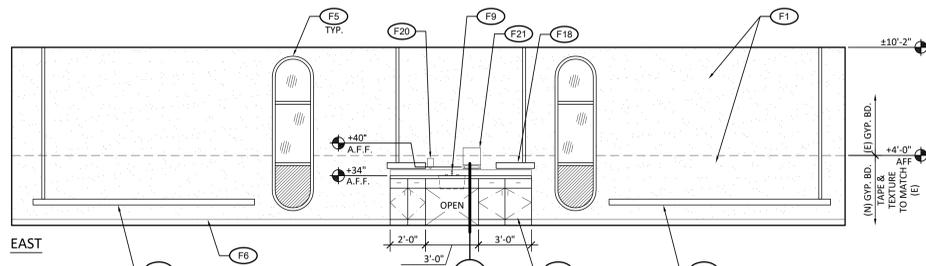
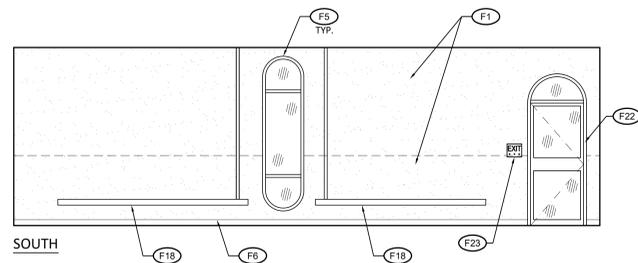
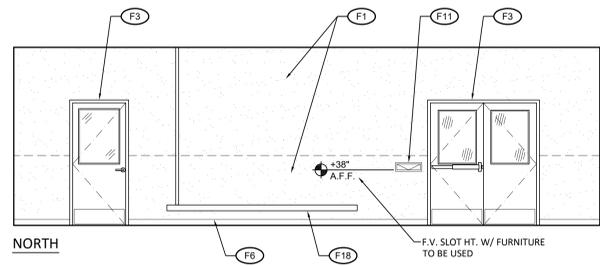
A2

ENLARGED REFLECTED CEILING PLAN

FILE:

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

SCALE: 1 1/2"=1'-0"



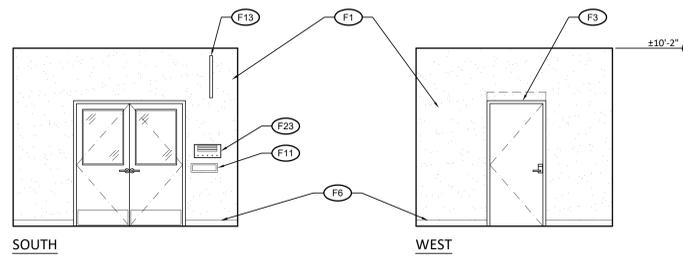
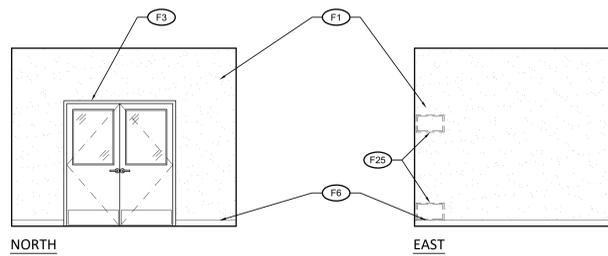
LEGEND

- (F1) GYP. BD. PAINT. SEE SPECIFICATIONS
- (F2) PAINT (E) CMU WALL
- (F3) PAINT (E) DOOR FRAME. SEE SPECIFICATIONS
- (F4) WINDOW. PAINT FRAME
- (F5) (E) WINDOW
- (F6) RUBBER BASE. SEE FINISH PLAN AND SPECIFICATIONS
- (F7) UTILITY SINK. SEE PLUMBING
- (F8) LOWER CASEWORK WITH P.LAM COUNTERTOP WITH 4" BACKSPASH. SEE SPECIFICATIONS
- (F9) SINK IN P.LAM COUNTERTOP. SEE PLUMBING
- (F10) (E) ELECTRICAL PANEL. SEE ELECTRICAL
- (F11) SLOT THRU WALL. SEE (2D/A7)
- (F12) (E) ACCESS HATCH. PAINT
- (F13) (E) CONDENSATE PIPE. PAINT TO MATCH WALL. PROVIDE LABEL
- (F14) PAINT (E) FRAME
- (F15) (E) DOOR SECURED IN PLACE PER PLANS. PAINT
- (F16) BLACK VINYL MAGNETIC SHEETING OVER WINDOW PER (4C/A6)
- (F17) NOT USED
- (F18) SURFACE MOUNTED RACEWAY. SEE ELECTRICAL
- (F19) BLADE SIGN
- (F20) REINSTALL (E) SOAP DISPENSER
- (F21) REINSTALL (E) PAPER TOWEL DISPENSER
- (F22) (E) STOREFRONT DOOR TO REMAIN
- (F23) SIGNAGE. SEE SHEET A1.1
- (F24) REPLACE WALL DIFFUSERS. SEE MECHANICAL
- (F25) CLOSED OFF (E) LOUVER. SEE (2E/A7)

**INTERIOR ELEVATIONS
304 - GRAPHICS SERVICE AREA**

18
A5.0
FILE:

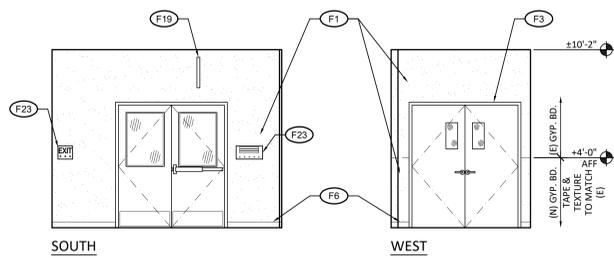
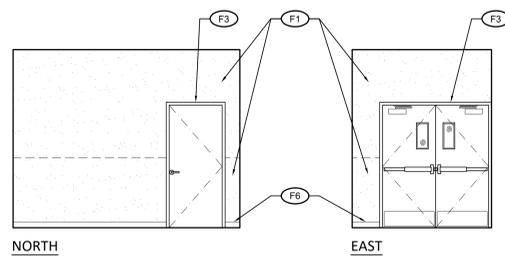
SCALE: 1/4"=1'-0"



**INTERIOR ELEVATIONS
324A - STAFF COPY AREA**

16
A5.0
FILE:

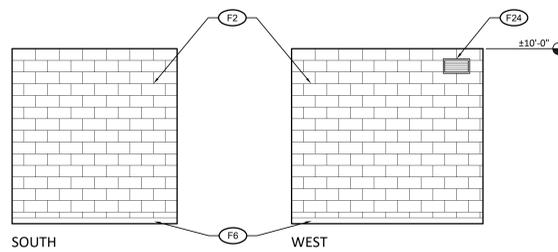
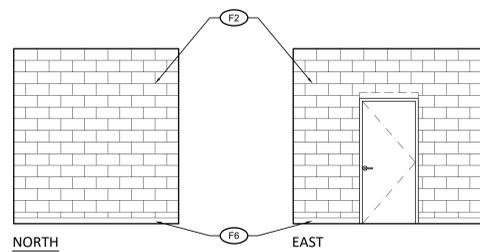
SCALE: 1/4"=1'-0"



**INTERIOR ELEVATIONS
324B - RECEIVING**

10
A5.0
FILE:

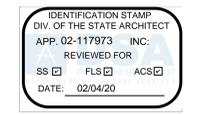
SCALE: 1/4"=1'-0"



**INTERIOR ELEVATIONS
325 - LOCKED EXAM PICK-UP**

1E
A5.0
FILE:

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



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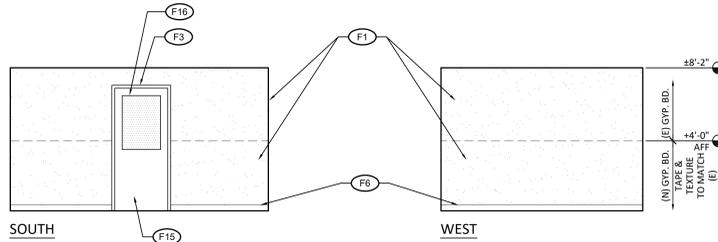
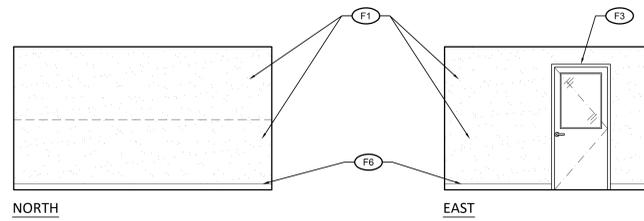
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INTERIOR ELEVATIONS
NOVEMBER 19, 2019

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A5.0

1/29/2020 9:58 AM MARRISSAO E:\SOLANO COL\19052 BLDG 300 MAIL ROOMS-INTERIORS.DWG

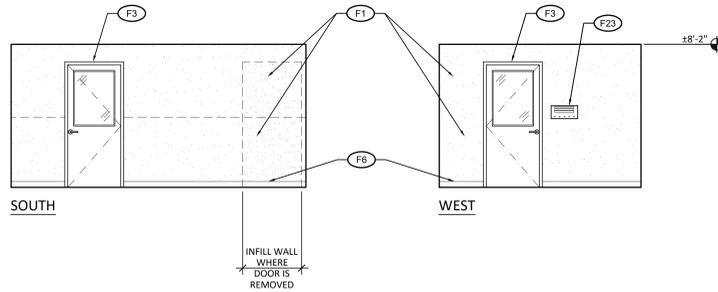
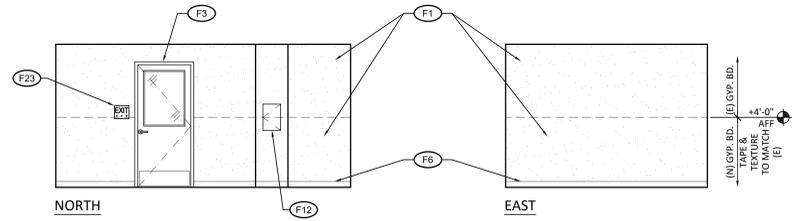


INTERIOR ELEVATIONS
327A - MAIL ROOM OFFICE

1A
A5.1

FILE:

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

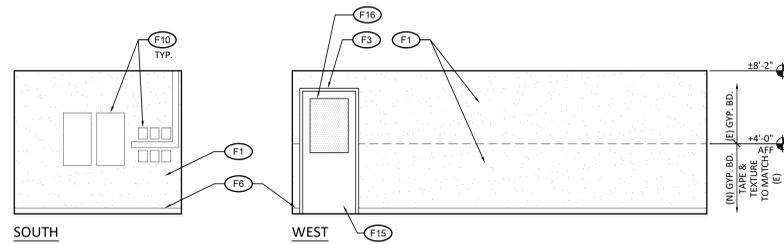
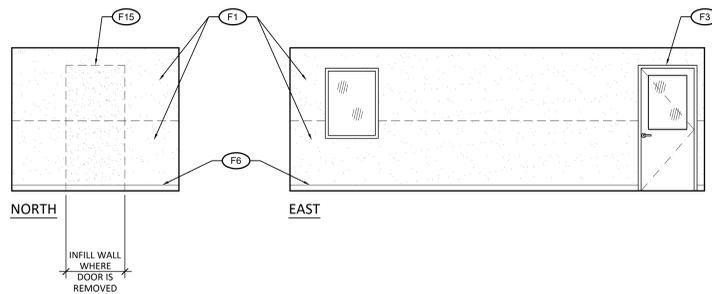


INTERIOR ELEVATIONS
327B - MAIL PICK-UP

1B
A5.1

FILE:

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

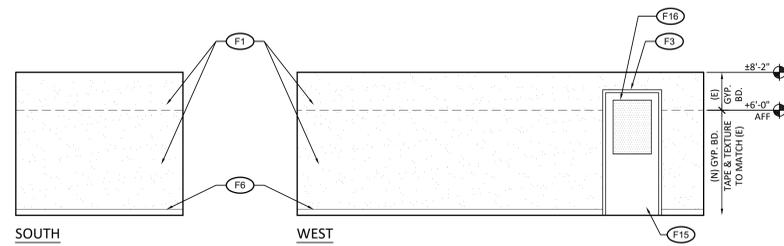
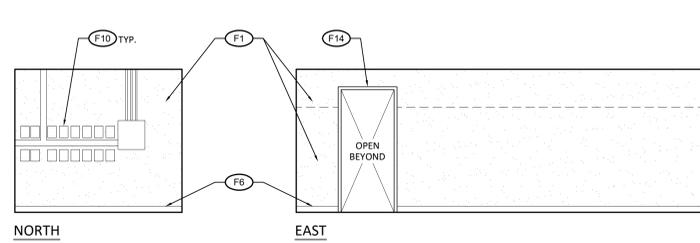


INTERIOR ELEVATIONS
328 - GRAPHICS OFFICE

1C
A5.1

FILE:

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



INTERIOR ELEVATIONS
329 - GRAPHICS STORAGE

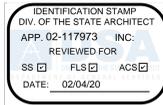
1D
A5.1

FILE:

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

LEGEND

- (F1) GYP. BD. PAINT. SEE SPECIFICATIONS
- (F2) PAINT (E) CMU WALL
- (F3) PAINT (E) DOOR FRAME. SEE SPECIFICATIONS
- (F4) WINDOW. PAINT FRAME
- (F5) (E) WINDOW
- (F6) RUBBER BASE. SEE FINISH PLAN AND SPECIFICATIONS
- (F7) UTILITY SINK. SEE PLUMBING
- (F8) LOWER CASEWORK WITH P.LAM COUNTERTOP WITH 4" BACKSPASH. SEE SPECIFICATIONS
- (F9) SINK IN P.LAM COUNTERTOP. SEE PLUMBING
- (F10) (E) ELECTRICAL PANEL. SEE ELECTRICAL
- (F11) SLOT THRU WALL. SEE 2D A7
- (F12) (E) ACCESS HATCH. PAINT
- (F13) (E) CONDENSATE PIPE. PAINT TO MATCH WALL. PROVIDE LABEL
- (F14) PAINT (E) FRAME
- (F15) (E) DOOR SECURED IN PLACE PER PLANS. PAINT
- (F16) BLACK VINYL MAGNETIC SHEETING OVER WINDOW PER 4C A6
- (F17) NOT USED
- (F18) SURFACE MOUNTED RACEWAY. SEE ELECTRICAL
- (F19) BLADE SIGN
- (F20) REINSTALL (E) SOAP DISPENSER
- (F21) REINSTALL (E) PAPER TOWEL DISPENSER
- (F22) (E) STOREFRONT DOOR TO REMAIN
- (F23) SIGNAGE. SEE SHEET A1.1
- (F24) REPLACE WALL DIFFUSERS. SEE MECHANICAL
- (F25) CLOSED OFF (E) LOUVER. SEE 2E A7



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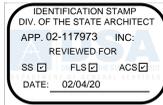
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A5.1



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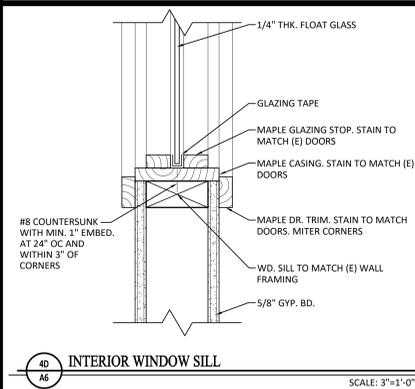
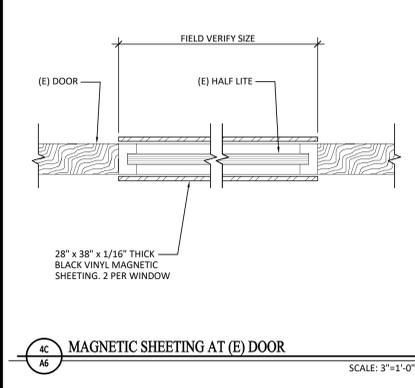
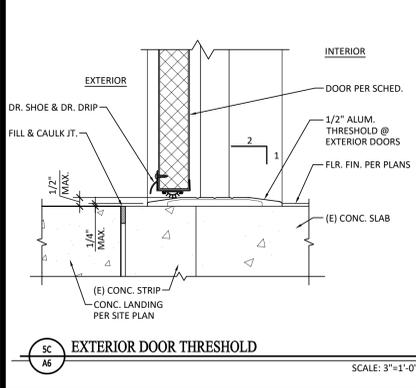
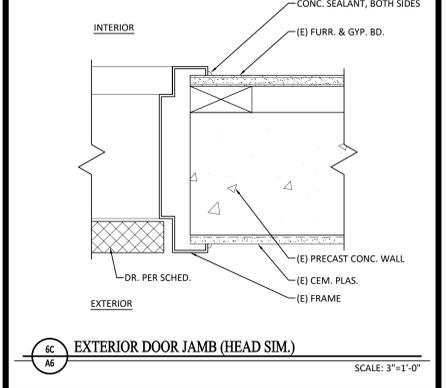
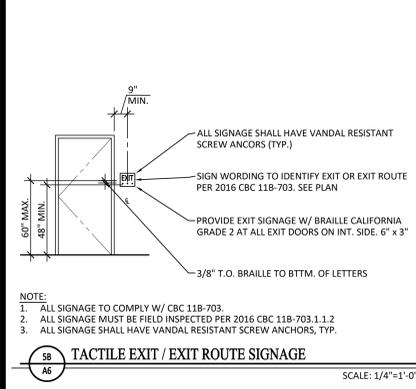
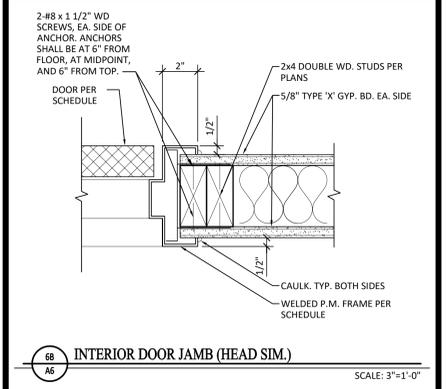
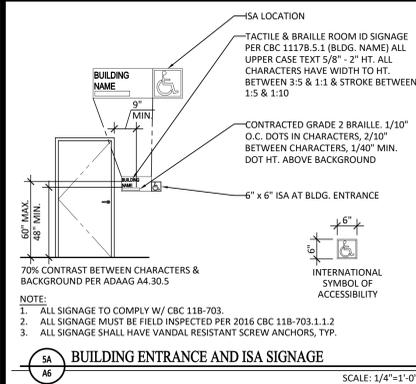
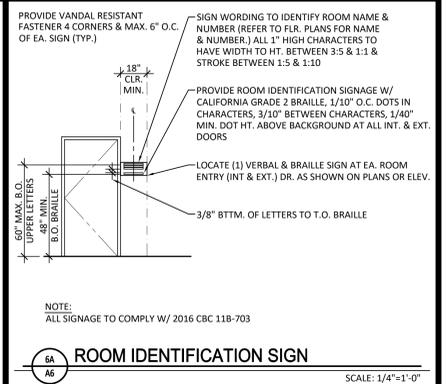
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DOOR AND WINDOW SCHEDULES AND DETAILS

NOVEMBER 19, 2019

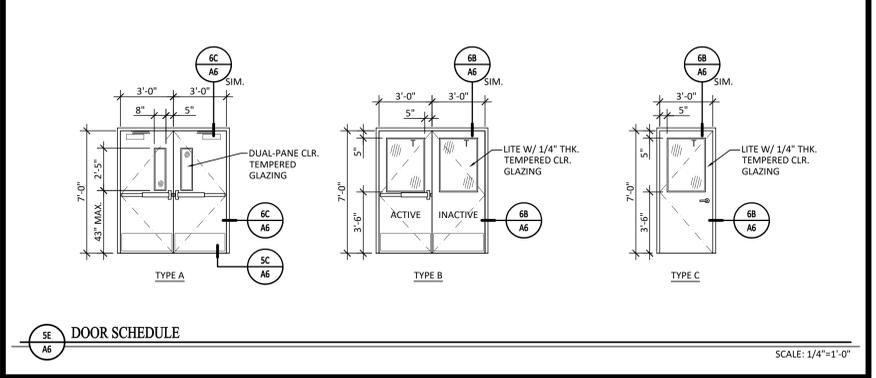
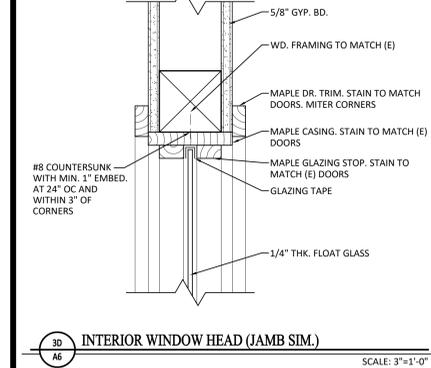
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 CHECKED BY: []
 DATE: 19052

A6

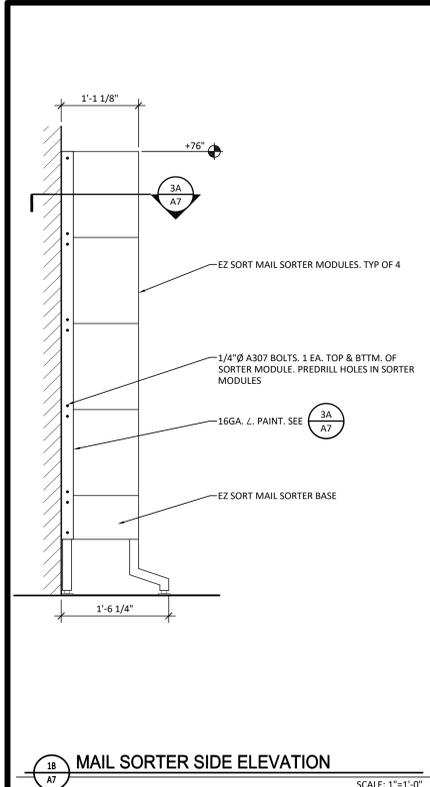


#	LOCATION	DOOR		FRAME	HARDWARE GROUP	FINISH	ASSEMBLY RATING	REMARKS
		TYPE	MATERIAL					
01	VESTIBULE	A	MTL.	PR. 3'-0" x 7'-0"	(E) P.M.	1	PAINT	NONE
02	STAFF COPY AREA	B	WD.	PR. 3'-0" x 7'-0"	P.M.	2	STAIN TO MATCH (E)	NONE
03	GRAPHICS SERVICE AREA	B	WD.	PR. 3'-0" x 7'-0"	P.M.	2	STAIN TO MATCH (E)	NONE
04	MAIL PICK-UP	C	WD.	3'-0" x 7'-0"	(E) P.M.	3	STAIN TO MATCH (E)	NONE
05	MAIL ROOM OFFICE	C	WD.	3'-0" x 7'-0"	P.M.	4	STAIN TO MATCH (E)	NONE
06	MAIL PICK-UP	C	WD.	3'-0" x 7'-0"	P.M.	3	STAIN TO MATCH (E)	NONE
07	LOCKED EXAM ROOM	(E)	(E) MTL.	(E) 3'-0" x 7'-0"	(E) P.M.	5	STAIN TO MATCH (E)	NONE
(E)	(E) ACCESSIBLE DOOR WITH LEVER HARDWARE						STAIN TO MATCH (E)	NONE

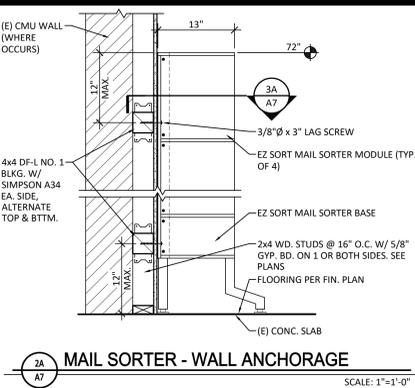
- NOTES
- METAL FRAME TO BE PAINTED. FRAME SHALL BE SPRAY PAINTED IN SHOP. FRAME TO BE PROTECTED W/ KRAFT PAPER AFTER INSTALLATION. DOOR AND FRAME TO HAVE A SEMI-GLOSS PAINT FINISH.
 - LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE. DOOR HARDWARE MOUNTED 34" - 44" ABOVE THE FLOOR AND BE OPERABLE WITH A MAXIMUM EFFORT OF 5 LBS. FOR EXTERIOR DOOR AND 5 LBS. FOR INTERIOR DOORS
 - THE BOTTOM 10" OF THE PUSH SIDE OF DOORS SHALL HAVE A SMOOTH SURFACE EXTENDING THE FULL WIDTH OF THE DOOR.
 - SEE SPECIFICATIONS FOR HARDWARE GROUPS.
 - T = TEMPERED
 - FIELD VERIFY ALL OPENING SIZES.



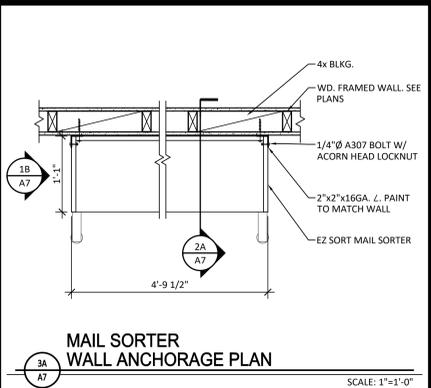
1/29/2020 10:05 AM MARISSAO E:\SOLANO CC\19052 BLDG 300 MAIL ROOM\AE-DOOR SCHEDULE AND DETAILS.DWG



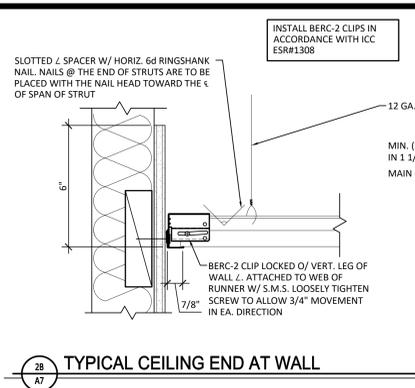
18 MAIL SORTER SIDE ELEVATION
 SCALE: 1"=1'-0"



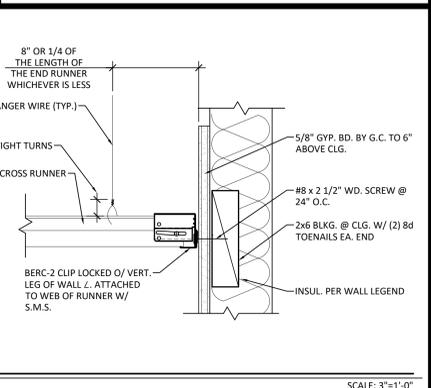
19 MAIL SORTER - WALL ANCHORAGE
 SCALE: 1"=1'-0"



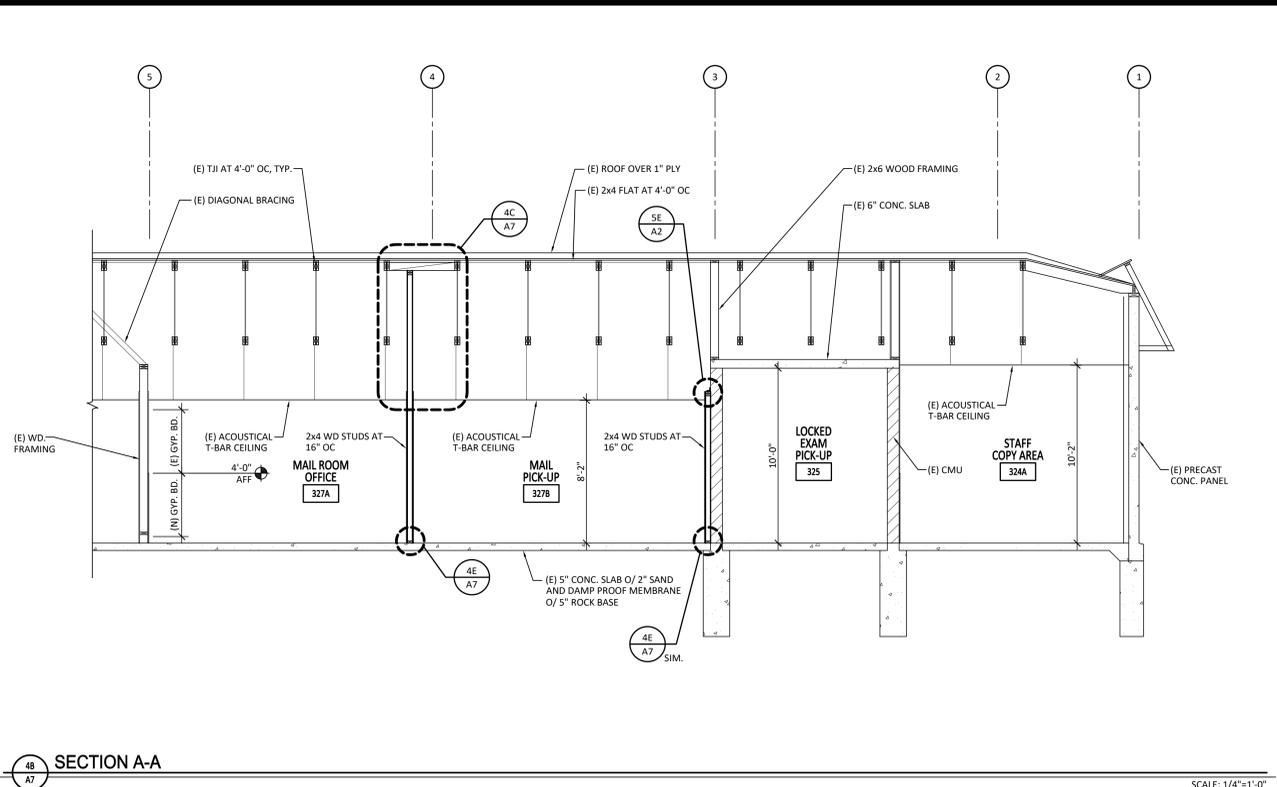
20 MAIL SORTER WALL ANCHORAGE PLAN
 SCALE: 1"=1'-0"



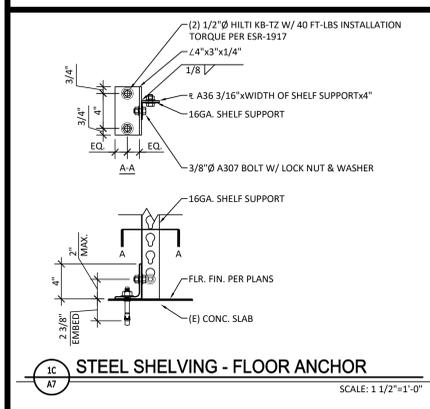
21 TYPICAL CEILING END AT WALL
 SCALE: 3"=1'-0"



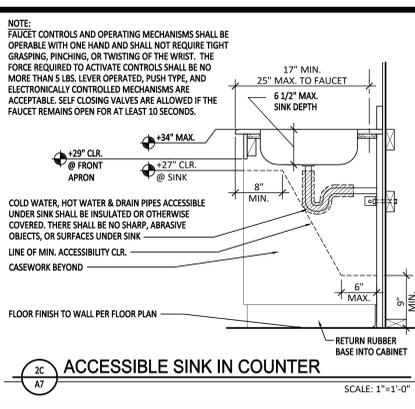
22 TYPICAL CEILING END AT WALL
 SCALE: 3"=1'-0"



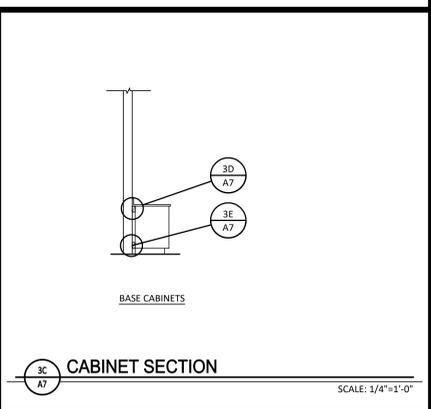
23 SECTION A-A
 SCALE: 1/4"=1'-0"



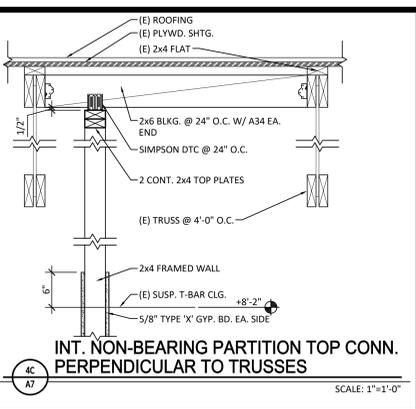
24 STEEL SHELVING - FLOOR ANCHOR
 SCALE: 1 1/2"=1'-0"



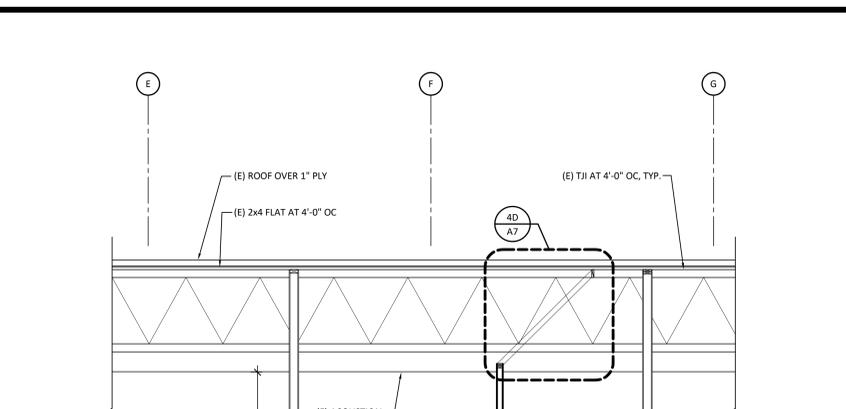
25 ACCESSIBLE SINK IN COUNTER
 SCALE: 1"=1'-0"



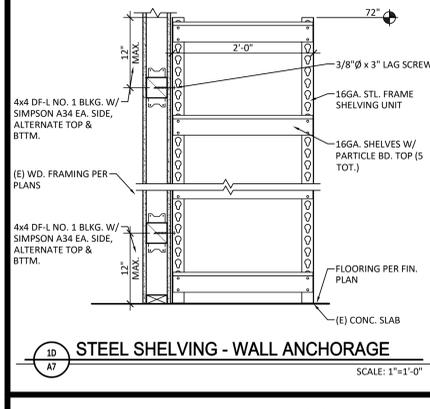
26 CABINET SECTION
 SCALE: 1/4"=1'-0"



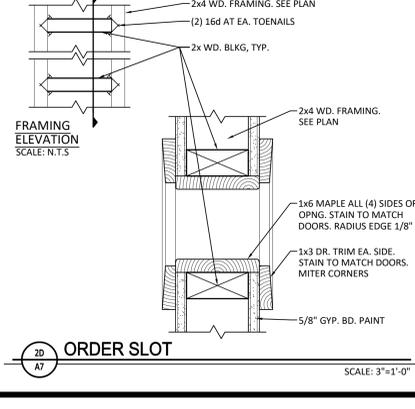
27 INT. NON-BEARING PARTITION TOP CONN. PERPENDICULAR TO TRUSSES
 SCALE: 1"=1'-0"



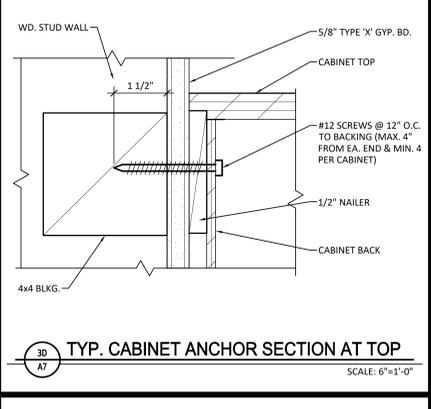
28 SECTION B-B
 SCALE: 1/4"=1'-0"



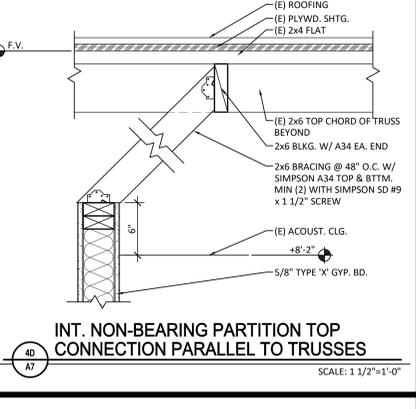
29 STEEL SHELVING - WALL ANCHORAGE
 SCALE: 1"=1'-0"



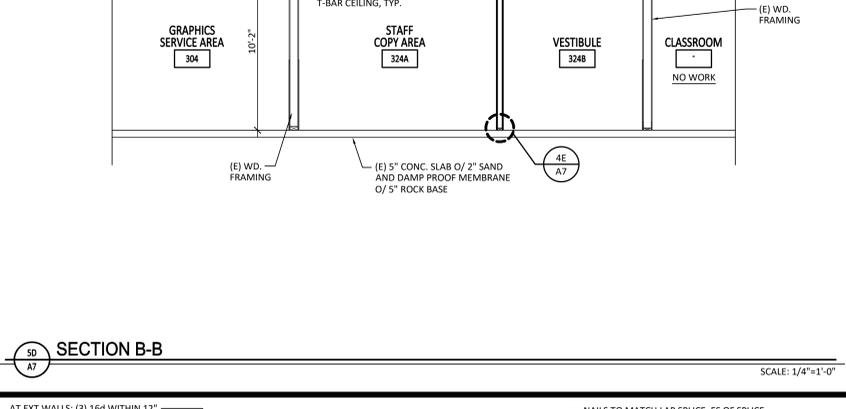
30 ORDER SLOT
 SCALE: 3"=1'-0"



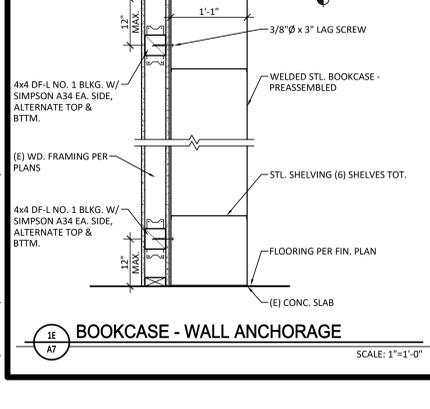
31 TYP. CABINET ANCHOR SECTION AT TOP
 SCALE: 6"=1'-0"



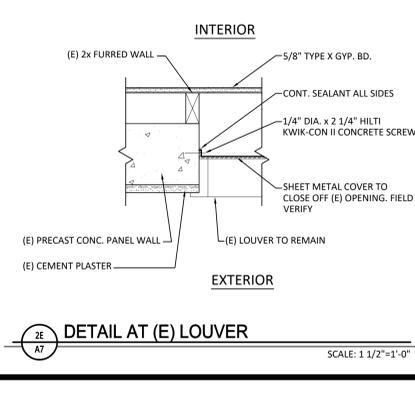
32 INT. NON-BEARING PARTITION TOP CONNECTION PARALLEL TO TRUSSES
 SCALE: 1 1/2"=1'-0"



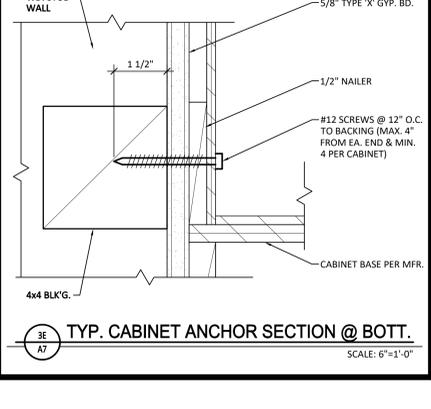
33 SECTION B-B
 SCALE: 1/4"=1'-0"



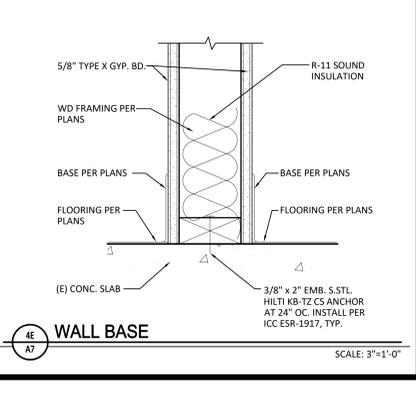
34 BOOKCASE - WALL ANCHORAGE
 SCALE: 1"=1'-0"



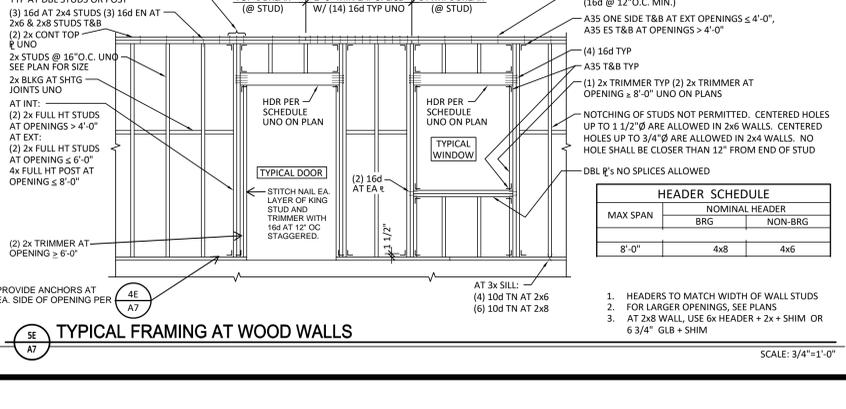
35 DETAIL AT (E) LOUVER
 SCALE: 1 1/2"=1'-0"



36 TYP. CABINET ANCHOR SECTION @ BOTT.
 SCALE: 6"=1'-0"



37 WALL BASE
 SCALE: 3"=1'-0"



38 TYPICAL FRAMING AT WOOD WALLS
 SCALE: 3/4"=1'-0"

DSA #02-117973

SOLANO COMMUNITY COLLEGE

B300 MODIFICATIONS: MAILROOM AND GRAPHICS PROJECT

4000 SUISUN VALLEY RD, FAIRFIELD, CA 94534

DSA APPROVED SET

REVISIONS

NO.	DESCRIPTION	DATE

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SECTION AND DETAILS

NOVEMBER 19, 2019

DRAWN BY: **A7**

CHECKED BY:

DATE: 19052

1/29/2020 9:59 AM MARISSA O'NEILL C:\19052\BLOG 300 MAIL ROOM\37-SECTIONS AND DETAILS.DWG

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP. 02-117973 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 02/04/20

HMR ARCHITECTS

2130 21st Street
 Sacramento, CA 95818
 T 916 736 2724



DSAs #02-117973

**SOLANO
 COMMUNITY
 COLLEGE**

**B300
 MODIFICATIONS:
 MAILROOM AND
 GRAPHICS PROJECT**

4000 SUISUN VALLEY RD,
 FAIRFIELD, CA 94534

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OVERALL SITE PLAN

NOVEMBER 19, 2019

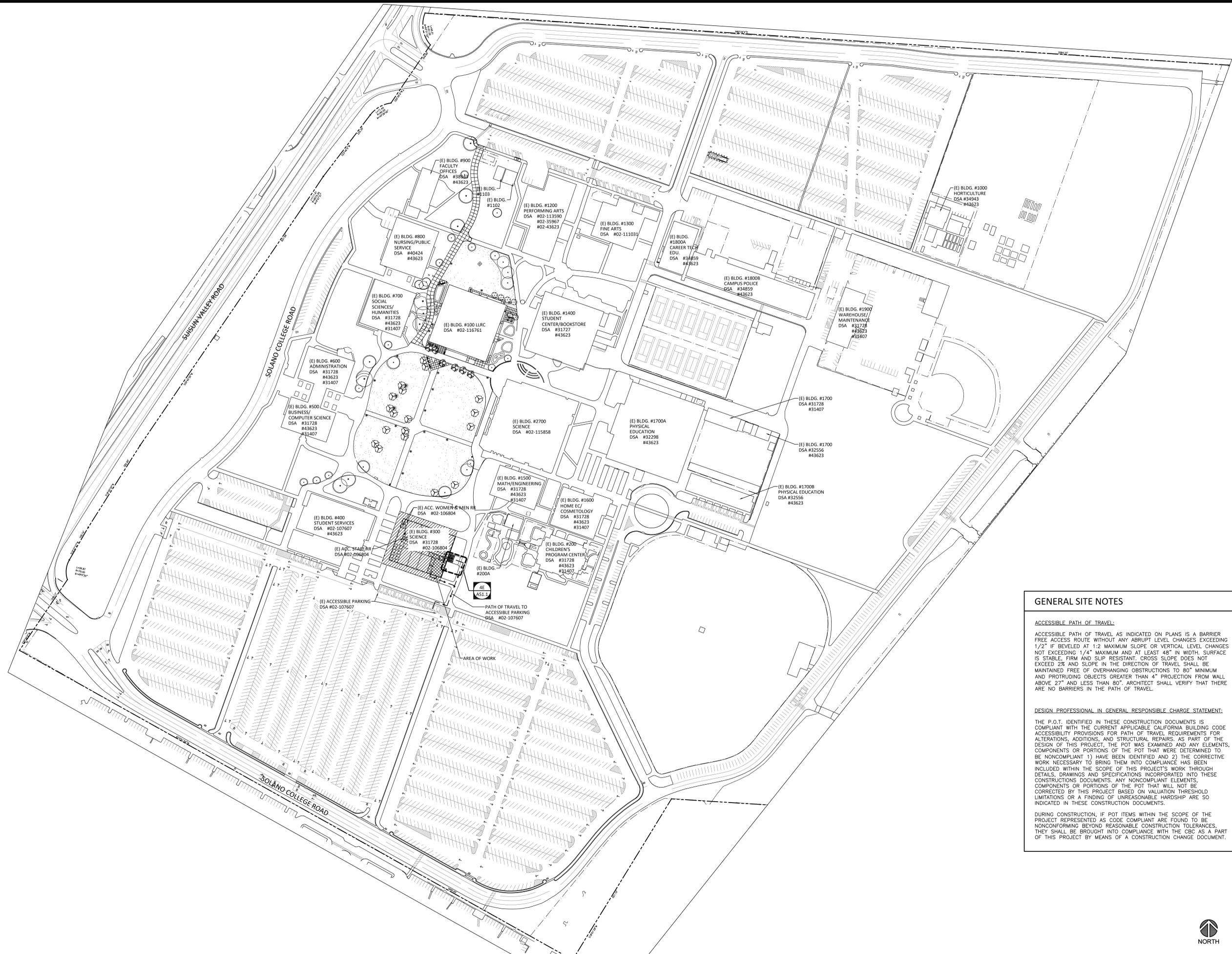
DRAWN BY:

CHECKED BY:

JOB NO:

19052

AS1.0



GENERAL SITE NOTES

ACCESSIBLE PATH OF TRAVEL:
 ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLANS IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
 THE P.O.T. IDENTIFIED 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 POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT 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 POT 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.

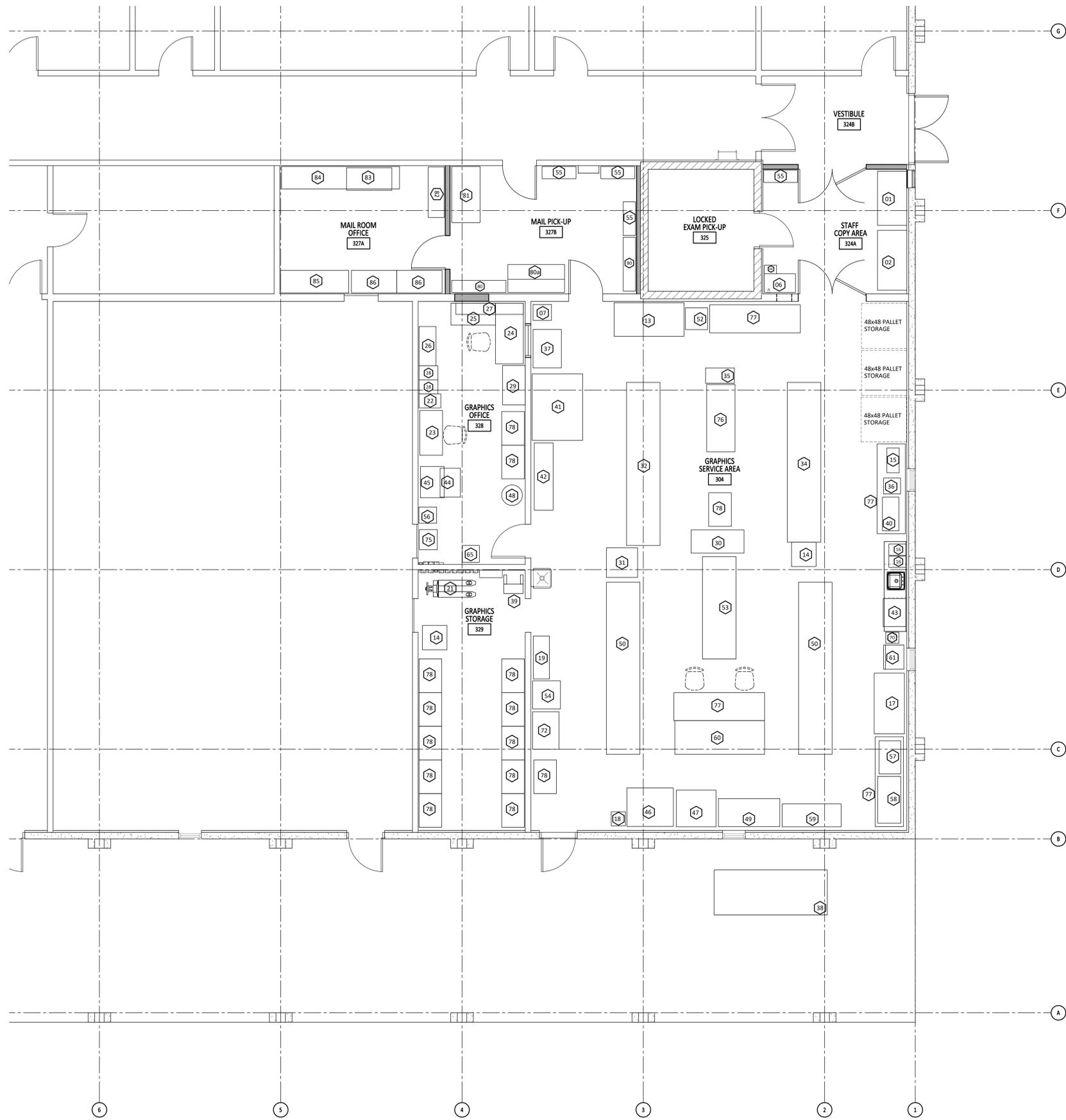
DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCOMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

1/29/2020 10:00 AM MARISSA O
 E:\SOLANO COL\19052 BLDG 300 MAIL ROOM\AS1-SITE PLANNING

1E
 AS1
 OVERALL SITE PLAN
 FILE:

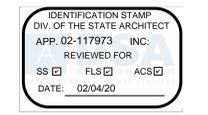


SCALE: 1"=100'-0"



EQUIPMENT KEYNOTES			
ITEM TAG #	DESCRIPTION	COMMENTS	ATTACHMENT DETAIL
01	(E) KONICA 654e (B&W)	OFOI	N/A
02	(E) KONICA 654e (COLOR)	OFOI	N/A
06	(E) BLUE CART	OFOI	N/A
07	(E) SHREDDING BIN	OFOI	N/A
08	(E) COLORED PAPER RACK	OFOI	N/A
13	(E) COPIER - 951 (B&W)	OFOI	N/A
14	(E) ROLLING TRASH BIN	OFOI	N/A
15	(E) HEAT SEAL H700 PRO	OFOI	N/A
16	(E) COFFEE MAKER	OFOI	N/A
17	(E) BOSS LASER	OFOI	N/A
18	(E) TALL SQUARE WASTEBASKET	OFOI	N/A
19	(E) VERSA SEAL	OFOI	N/A
21	(E) PALLET JACK	OFOI	N/A
22	(E) LOW FILE CABINET	OFOI	N/A
23	(E) DESK TABLE	OFOI	N/A
24	(E) DESK	OFOI	N/A
25	(E) DESK RETURN	OFOI	N/A
26	(E) LOW LATERAL FILE	OFOI	N/A
27	(E) UPPER WALL HUNG STORAGE	OFOI	N/A
28	(E) LOW FILE CABINET	OFOI	N/A
29	(E) DESK & HUTCH	OFOI	N/A
30	(E) RISO 220W ENVELOPE PRINTER	OFOI	N/A
31	(E) CONTROL STATION FOR PRINTERS	OFOI	N/A
32	(E) C2070 PRINTER LINE (COLOR)	OFOI	N/A
34	(E) KM 1052 PRINTER LINE (B&W)	OFOI	N/A
35	(E) ROLLING CART	OFOI	N/A
36	(E) PHIN-OTUFF BINDER	OFOI	N/A
37	(E) TRIUMPH 4850-95 CUTTER	OFOI	N/A
38	(E) DELIVERY CART - ELECTRIC	OFOI	N/A
39	(E) HAND CART	OFOI	N/A
40	(E) TANSIN LAMINATOR	OFOI	N/A
41	(E) CHALLENGER TITAN 265 CUTTER	OFOI	N/A
42	FOLDING WORK TABLE	OFOI	N/A
43	(E) MICROWAVE	OFOI	N/A
44	(E) KONICA MINOLTA BIZHUB 3350	OFOI	N/A
45	(E) ROLLING TABLE	OFOI	N/A
46	(E) HP DESIGN JET T790 PRINTER	OFOI	N/A
47	(E) IP6610 PRINTER	OFOI	N/A
48	(E) ROUND WASTE CAN	OFOI	N/A
49	(E) KM BIZHUB C754e	OFOI	N/A
50	(E) KM BIZHUB 1052 PRINTER LINE	OFOI	N/A
52	(E) ROLLING TRASH BIN	OFOI	N/A
53	(E) KM BIZHUB 1052 PRINTER LINE	OFOI	N/A
54	(E) MM SPIRAL BINDER	OFOI	N/A
55	13" D x 36" L x 78" H BOOKCASE. EDSAL SKU: EBC78GY	CFCI	1E/A7
56	(E) WHYNTER PORTABLE AIR CONDITIONER	OFOI	N/A
57	(E) TPL & DUPLO DF-915 FOLDER	OFOI	N/A
58	(E) DUPLO DC-446 CREASER	OFOI	N/A
59	(E) CANON PRO-4000S	OFOI	N/A
60	(E) TALL WORK TABLE	OFOI	N/A
61	(E) SMALL REFRIGERATOR	OFOI	N/A
65	(E) COAT RACK	OFOI	N/A
70	(E) WATER COOLER	OFOI	N/A
72	(E) CHALLENGER 3 HOLE PUNCH	OFOI	N/A
75	(E) SUREBIND SYSTEM THREE PIO	OFOI	N/A
76	30" x 72" ADJUSTABLE HEIGHT WORK TABLE. GLOBAL ITEM #: T9A6014278K BLACK	OFOI	N/A
77	30" x 96" ADJUSTABLE HEIGHT WORK TABLE. GLOBAL ITEM #: T9A319084 BLACK	OFOI	N/A
78	36" W x 72" H x 24" D 5-SHELF HEAVY DUTY BOLTLESS SHELVING. EDSAL MODEL #: UR2436	CFCI	1D/A7; 1C/A7
80	SAFCO EZ SORT MAIL STATION: 4 SORTER MODULES 7751 AND BASE 7756. COLOR: GRAY. PROVIDE C-LINE HOLDEX MAGNETIC LABEL HOLDER 6" x 3" IN CLEAR. ITEM#: 104384 ENOUGH FOR 20 BINS.	CFCI	2A/A7; 3A/A7; 1B/A7
80a	SAFCO EZ SORT MAIL STATION: 2 SORTER MODULES 7751, RISER 7752 WITH SORTING TABLE AND SHELF 7749. PROVIDE COUNTER 7750. COLOR: GRAY. C-LINE HOLDEX MAGNETIC LABEL HOLDER 6" x 3" IN CLEAR. ITEM#: 104384 ENOUGH FOR 20 BINS.	CFCI	2A/A7; 3A/A7; 1B/A7
81	SAFCO EZ SORT SORTING TABLE WITH SHELF 7749. COLOR: GRAY.	CFCI	N/A
82	(E) SHELVING	OFOI	N/A
83	(E) NEO POST MACHINE	OFOI	N/A
84	COMPUTER DESK	OFOI	N/A
85	(E) MAIL SUPPLIES	OFOI	N/A
86	(E) HANGING FILE	OFOI	N/A

NOTES:
 CFCI = CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
 OFOI = OWNER FURNISHED, OWNER INSTALLED
 N/A = NOT APPLICABLE



HMR ARCHITECTS
 2130 21st Street
 Sacramento, CA 95818
 T 916 736 2724



DSA #02-117973

SOLANO COMMUNITY COLLEGE

B300 MODIFICATIONS: MAILROOM AND GRAPHICS PROJECT

4000 SUISUN VALLEY RD, FAIRFIELD, CA 94534

DSA APPROVED SET

REVISIONS

NO.	DESCRIPTION	DATE

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EQUIPMENT AND FURNITURE PLAN

NOVEMBER 19, 2019

DRAWN BY: EQ
 CHECKED BY: EQ
 DATE: 19052

1/29/2020 10:00 AM MARISSAO E:\SOLANO CC\19052 BLDG 300 MAIL ROOM\EG-ENLARGED EQUIPMENT PLAN.DWG

EQUIPMENT PLAN

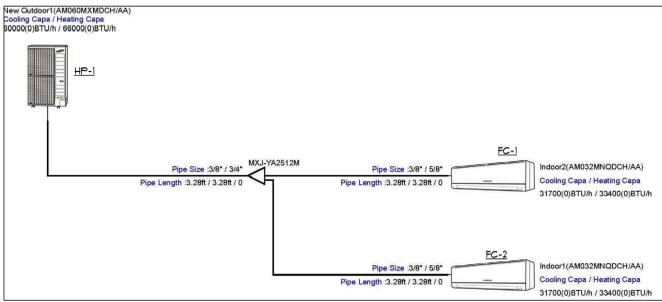
SCALE: 1/4"=1'-0"

GENERAL MECHANICAL NOTES

- ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND SHALL BE EQUAL IN QUALITY, TYPE, CAPACITY EFFICIENCY AND ACCESSORIES TO THE EQUIPMENT NOTED ON THE DRAWINGS. ADJUSTMENTS TO CONSTRUCTION AND ACCESSORIES ON SUBSTITUTED EQUIPMENT MAY BE REQUIRED TO ACHIEVE THIS EQUALITY, AND SHALL BE INCLUDED AT NO EXTRA COST TO THE OWNER. MAKE ANY CHANGES IN DUCTWORK, PIPING, FRAMING, ETC., AS REQUIRED TO ACCOMMODATE SUBSTITUTED EQUIPMENT. ALL EQUIPMENT SHALL BE TITLE 24 COMPLIANT PER DOCUMENTS.
- INSTALL ALL EQUIPMENT AND MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES. APPLICABLE CODE SHALL INCLUDE BUT NOT LIMITED TO: 2016 CFC, 2016 CMC, 2016 CBC AND 2016 CEC.
- FABRICATE AND INSTALL ALL DUCTWORK IN ACCORDANCE WITH THE LATEST EDITION OF SMACNA GUIDELINES FOR DUCT CONSTRUCTION AND THE UNIFORM MECHANICAL CODE. ALL DUCT JOINTS INCLUDING MECHANICAL FLANGED JOINTS SHALL BE SEALED WITH SILVER TAPE OR ARABOL AND CANVAS. SEAL THE JOINTS OF ALL DUCTS EXPOSED TO THE WEATHER WITH ARABOL AND CANVAS. PROVIDE ALL BRANCH DUCTS WITH VOLUME DAMPERS WITH LOCKING QUADRANTS LOCATED AT LEAST FIVE FEET (5') FROM THE GRILLE OR DIFFUSER SERVED.
- SUPPORTS FOR ALL PIPING AND DUCTWORK SHALL BE IN ACCORDANCE WITH SMACNA GUIDELINES FOR SEISMIC RESTRAINT OF MECHANICAL SYSTEMS. CONTRACTOR SHALL PROVIDE CALCULATIONS FOR ISOLATORS AND MOUNTING ACCEPTABLE TO THE REVIEWING AUTHORITY WHEN REQUIRED BY SAME.
- ALL RECTANGULAR OR ROUND RIGID DUCTS SHALL BE OF SMACNA GAGE GALVANIZED STEEL OR ALUMINUM UNLESS OTHERWISE NOTED ON THE DRAWINGS. PROVIDE FLAT BEAM CONSTRUCTION FOR ANY DUCTS EXPOSED IN OCCUPIED SPACE. NOTE: ALUMINA-FLEX IS NOT ACCEPTABLE IN LIEU OF ROUND RIGID DUCTWORK.
- FLEXIBLE DUCTS WHERE SHOWN OR PERMITTED, SHALL BE GENFLEX IL, THERMAFLEX G-KM OR EQUAL FACTORY INSULATED. FLEXIBLE DUCTS SHALL NOT BE USED WHERE EXPOSED DUCTWORK OCCURS. SECURE FLEXIBLE DUCTWORK WITH TWO MECHANICALLY APPLIED PLASTIC STRAPS OR ONE WORM DRIVE CLAMP. SUPPORT FLEXIBLE DUCTS WITH 2" WIDE HANGER STRAPS, FOR COMPLIANCE, SEE NOTE #1 BELOW.
- INSULATE ALL SUPPLY AND RETURN DUCTS WITH 2" THICK, 3/4 PCD DENSITY O-C-F OR EQUAL, FIBERGLASS DUCT WRAP TYPE IV, WITH JOINT APPLIED FLAME RETARDANT FOIL REINFORCED KRAFT FACING. LAP ALL JOINT 4" MINIMUM, AND SECURE WITH GALVANIZED STEEL WIRE.
- LINE ALL SUPPLY AND RETURN DUCT DROPS FOR A MINIMUM OF 10' FROM THE UNIT WITH 1" THICK O-C-F AEROFLEX TYPE 2000 OR EQUAL ACOUSTIC DUCT LINER. INSTALL WITH 100% COVERAGE ADHESIVE, AND FURTHER APPLY MECHANICAL FIN FASTENERS WHERE DUCT SIDE EXCEEDS 24". DUCT DIMENSIONS ARE NET INTERNAL DIMENSION. SEAL BUTT ENDS OF EXPOSED INSULATION IN THE DUCTS WITH MANUFACTURERS RECOMMENDED SEALANT OR ADHESIVE.
- CONTROLS SHALL COMPLY WITH THE LATEST EDITION OF CEC (JULY 2009), SUBSECTION 3, SECTION 122. ALL CONTROLS AND CONTROL WIRING NOT SPECIFICALLY SHOWN BUT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM SHALL BE SUPPLIED BY THE CONTRACTOR AND INSTALLED AT NO ADDITIONAL COST TO THE OWNER.
- ALL AIR SYSTEMS SHALL BE BALANCED BY A QUALIFIED MECHANICAL CONTRACTOR USING ASAC, SMACNA, OR NEBB PROCEDURES. AIR QUANTITIES SHALL BE BALANCED TO NOT MORE THAN 10% ABOVE OR 5% BELOW THE QUANTITIES SHOWN ON THE DRAWINGS. CONTRACTOR SHALL SUBMIT A COMPLETE AIR BALANCE REPORT INDICATING, AS A MINIMUM, THE AIR DELIVERY FOR EACH DIFFUSER, THE FINAL OPERATING DATA FOR THE SYSTEMS AND THE AIR CONDITIONING UNITS.
- SUBMIT FOR APPROVAL (6) COPIES OF COMPLETE SUBMITTAL DATA ON SPECIFIED AND PROPOSED EQUIPMENT AND MATERIALS. SUBMITTALS SHALL INCLUDE EQUIPMENT SIZES, CAPACITY, MOTOR LOCATIONS, PERFORMANCE CURVES AND OTHER PERTINENT DATA. EACH SUBMITTAL SHALL INCLUDE IDENTIFICATION TAGS OR SYMBOLS TO MATCH DWGS. PARTIAL SUBMITTALS OR SUBMITTALS WHICH ARE NOT MARKED WITH EQUIPMENT TAGS OR PERFORMANCE DATA WILL BE REJECTED.
- PROVIDE PERMANENT ENGRAVED PLASTIC NAME PLATED FOR ALL EQUIPMENT INSTALLED, INDICATING THE PLAN DESIGNATION OF THE UNIT (AG-1, REF, ETC.) AND ALSO THE BUILDING AREA SERVED (CLASSROOMS 2-4, CONFERENCE ROOM, ETC.). STAMPED METAL TAPES APPLIED WITH SELF-CONTAINED ADHESIVE WILL NOT BE ACCEPTABLE.
- CONTRACTOR SHALL VERIFY ALL WORK CONDITIONS PRIOR TO COMMENCING WORK, INCLUDING, BUT NOT LIMITED TO: DIMENSIONS, EQUIPMENT, STRUCTURAL ELEMENTS AND MATERIALS INDICATED AS EXISTING, AS WELL AS THE COORDINATED INSTALLATION OF ALL NEW WORK, MATERIALS, EQUIPMENT, ETC. COORDINATE THE LOCATION OF ALL ROOF MOUNTED EQUIPMENT WITH THE STRUCTURAL ENGINEER.
- SUBMITTAL NOTE: MECHANICAL SYSTEMS DESIGN REFLECT EQUIPMENT SPECIFIED, WHEN EQUIPMENT SUBSTITUTIONS OCCUR AND DUCT DESIGN, DUCT DROPS, GAS INLET AND ELECTRICAL SERVICE VARIES FROM THAT SPECIFIED THEN IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR FOR ALL ADDITIONAL ENGINEERING FEES AND OTHER DISCIPLINE CHANGE ORDERS (STRUCTURAL, ELECTRICAL, ARCHITECTURAL, PLUMBING, ETC.) WHEN SUBSTITUTED EQUIPMENT IS USED.
- DO NOT ORDER SUBSTITUTED EQUIPMENT PRIOR TO SUBMITTAL PROCESS. CONTRACTOR SHALL BE RESPONSIBLE FOR RETURNING EQUIPMENT WHEN NOT APPROVED.
- HVAC DESIGN BASED ON INDUSTRY STANDARDS IS DIAGRAMMATIC AND NON-DIMENSIONAL.
- FLEXIBLE DUCTS AND CONNECTORS SHALL NOT EXCEED 5 FEET IN LENGTH AND SHALL NOT BE USED IN LIEU OF RIGID ELBOWS OR FITTINGS COMPLIANT TO 2016 CMC, SECTION 603.41.

EQUIPMENT SCHEDULE	
SYMBOL	DESCRIPTION
	COOLING CAPACITIES ARE BASED AT 101 F. A.M.B., 80 F. D.B., 61 F. W.B, EAT HEATING CAPACITIES ARE BASED AT 30 F.
	FAN COIL UNIT, DVM SERIES, WALL MOUNT, HORIZONTAL DISCHARGE, FURNISH COMPLETE WITH DISPOSABLE FILTER AND FILTER GRILLE. PROVIDE WITH PRIMARY AND SECONDARY CONDENSATE DRAINS. PROVIDE CONDENSATE PUMP 'ASPEN MINI ORANGE'.
	SAMSUNG MODEL NO: AM0321MNDQCH/AA OR EQUAL AIR FLOW SETTING: 106 CFM AT 0.4 S.P., MED SPEED COOLING CAPACITY: 31,100 BTUH HEATING CAPACITY: 33,400 BTUH ELECTRICAL SERVICE: 208 V/1 PH/60 HZ FAN MOTOR: 58 WATTS WEIGHT: 40 LBS. OUTSIDE AIR SETTING: NONE
	HEAT PUMP, OUTDOOR SECTION, MATCH WITH INDOOR FAN COIL UNIT AS INDICATED. FURNISH COMPLETE WITH FILTER DRIER, COMPRESSOR START ASSIST, COMPRESSOR START ASSIST CAPACITOR, LOW AMBIENT CONTROLLER, CRANKCASE HEATER, PRE-CHARGED REFRIGERANT SUCTION AND LIQUID LINES (WITH TAMPER PROOF CAP), HEATING AND COOLING THERMOSTAT AND ALL CONTROL WIRING.
	SAMSUNG MODEL NO: AM0712FXVAFH2AA OR EQUAL EER: 13.00 IEER: 29.10 NOMINAL COOLING CAPACITY: 12,000 BTUH NOMINAL HEATING CAPACITY: 81,000 BTUH ELECTRICAL SERVICE: 208 V/3 PH/60 HZ. COMPRESSOR: 1 AT 14.3 RLA CONDENSER FAN MOTOR: 40 FLA, MCA: 28.0 MOCF: 35.0 WEIGHT: 425 LBS.

DIFFUSER, REGISTER AND GRILLE SCHEDULE					
NECK SIZE AND DEFLECTION ARE SHOWN ON FLOOR PLANS					
MARK	TITUS MODEL	BORDER TYPE	QBD	FINISH	REMARKS
BDL	TDC	T-BAR LAY-IN	YES	WHITE	LOUVERED FACE
TG	23R8	SURFACE MOUNT	YES	WHITE	VERTICAL LOUVERED FACE



RS&RL REFRIGERANT SCHEMATIC

SCALE: NONE (SHOWN FOR REFERENCE ONLY)



MECHANICAL LEGEND	
SYMBOL	DESCRIPTION
	DETAIL NUMBER
	SHEET ON WHICH DETAIL IS FOUND
	DUCT RISE
	DUCT DROP
	OUTSIDE AIR
	SUPPLY AIR
	RETURN AIR
	BALANCE DAMPER
	DIAMETER OR PHASE
	FLEXIBLE DUCT
	DUCT - DIMENSION SHOWN X WIDTH OR HEIGHT NOT SHOWN
	ACOUSTICAL LINED DUCTING
	DUCT TRANSITION
	SUPPLY AIR DIFFUSER, RETURN OR EXHAUST AIR GRILLE
	THERMOSTAT
	RELOCATE
	MOTORIZED DAMPER
	EXISTING PIPING OR FIXTURE TO BE REMOVED OR ABANDONED IN PLACE
	POINT OF CONNECTION
	ABC
	AE
	AF
	AFG
	AP
	UCD
	CD
	CFM
	CLG
	(E) EXISTING
	FA, TA
	FB, TB
	FC
	FF
	FS
	FT
	(N)
	NIMC
	N.T.S.
	O.B.D.
	REF
	SD
	TYF
	ABOVE CEILING
	AIR EXTRACTOR
	ABOVE FINISHED FLOOR
	ABOVE FINISHED GRADE
	ACCESS PANEL
	UNDER CUT DOOR
	CONDENSATE DRAIN
	CUBIC FEET OF AIRFLOW PER MINUTE
	CEILING
	EXISTING TO BE FIELD VERIFIED BY CONTRACTOR
	FROM ABOVE, TO ABOVE
	FROM BELOW, TO BELOW
	FLEXIBLE CONNECTION
	FINISHED FLOOR
	FIRE SMOKE DAMPER
	FER FOOT
	NEW
	NOT IN MECHANICAL CONTRACT
	NOT TO SCALE
	OPPOSED BLADE DAMPER
	REFERENCE
	SMOKE DETECTOR
	TYPICAL

CAL-GREEN NOTES

- THIS PROJECT SHALL BE COMPLIANT TO 2016 CGBSC, BUT NOT LIMITED TO THE FOLLOWING:
- TEMPORARY VENTILATION: IF THE VENTILATION SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MERV 9 RATING OR 30% COMPLIANT TO ASHRAE 52.1-1999. REPLACE ALL FILTERS IMMEDIATELY PRIOR TO OCCUPANCY.
 - COVERING OF DUCT OPENINGS OF MECHANICAL EQUIPMENT DURING CONSTRUCTION: AT THE TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE UNTIL FINAL START UP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEET METAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.
 - ALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT (IF ANY) SHALL NOT CONTAIN CFC'S OR HALONS COMPLIANT TO CGBSC SECTION 5.114.8.1
 - ALL HVAC EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY AND PROPERLY LABELED COMPLIANT TO ARTICLE 1102
 - ALL FACTORY MADE AIR DUCTS SHALL BE CLASS 1 OR 0 LISTED DUCTS COMPLIANT TO CMC 604.3
 - ALL LINING MATERIALS INSTALLED WITHIN DUCTS AND PLENUMS SHALL HAVE A MOLD, HUMIDITY AND EROSION RESISTANT SURFACE THAT MEETS THE REQUIREMENTS OF THE REFERENCED STANDARD COMPLIANT TO CMC, CHAPTER 11, SECTION 605.0
 - A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE DEVELOPMENT RATING OF NOT MORE THAN 50 FOR MATERIALS EXPOSED WITHIN THE DUCTS OR PLENUMS SHALL BE COMPLIANT TO CMC 602.2
 - INSULATION MATERIALS APPLIED TO THE EXTERIOR OF DUCTS SHALL BE COMPLIANT TO NUMBERED NOTE #3 THIS SHEET.

STATE OF CALIFORNIA
REQUIREMENTS FOR PACKAGED SINGLE ZONE UNITS
 (CEC/TITLE 24, PART 6.02) (Page 1 of 2)
 CERTIFICATE OF COMPLIANCE
 Project Name: SOLANO CC Date Issued: 12-30-19

Equipment Tag(s)	F-24 Sections	Requirement	As Scheduled	Requirement	As Scheduled	Requirement	As Scheduled
MANDATORY MEASURES							
Heating Equipment Efficiency ¹	110.1 or 110.2(a)	YES					
Cooling Equipment Efficiency ¹	110.1 or 110.2(a)	M1.0					
Thermostats ²	110.2(b), 110.2(c)	YES					
Furnace Standby Loss Control ³	110.2(e)	NA					
Low Leakage Air Infiltration ⁴	120.2(b)	NA					
Ventilation ⁵	120.1(b)	YES					
Demand Control Ventilation ⁶	120.1(c)	NA					
Occupant Sensor Ventilation Control ⁷	120.1(d), 120.2(a)(3)	NA					
Shutoff and Reset Controls ⁸	120.2(c)	NA					
Outdoor Air and Exhaust Damper Control ⁹	120.2(f)	NA					
Automatic Demand Shed Controls ¹⁰	120.2(h)	NA					
Economizer FDD ¹¹	120.2(i)	NA					
Duct Insulation ¹²	120.4	NA					
PRESCRIPTIVE MEASURES							
Equipment is listed in accordance with 140.4 (a & b)	140.4(a & b)	YES					
Economizer ¹³	140.4(c)	NA					
Electric Resistance Heating ¹⁴	140.4(d)	NA					
Duct Leakage Sealing and Testing ¹⁵	140.4(e)	NA					

Notes:
 1. Provide equipment tags (e.g. AC1 or AC2 to 10). Multiple units of the same make and model with the same application and accessories can be grouped together.
 2. Enter the following information as appropriate: Unit Manufacturer, Unit Model Number (including all accessories), Description of the unit (e.g. gas pack or heat pump), rated heating capacity (enter "NA" if no heating) and, rated cooling capacity (enter "NA" if no cooling). For unit capacities include the units (e.g. 40kwh or tons).
 3. For each requirement, enter the minimum requirement from the Standard in the left column (under "Standard Requirement"). In the right column (under "As Scheduled") enter the value for the units as specified.
 4. Where there is more than one requirement (e.g. full and part load efficiency) enter both with the appropriate table (e.g. COP and EER).
 5. In the left column identify the thermostatic requirements from the standard (e.g. programmable setback thermostat or temperature with electric heat). In the right column indicate the capabilities of the thermostat as scheduled.
 6. If the unit has a furnace which is rated at 2,225,000 Btu/h of capacity, indicate the rated standby loss and ignition source (e.g. I/O). If there is no furnace or the unit is rated for <225,000 Btu/h indicate "NA".
 7. In the left column, enter both the required ventilation value from Table 120.1A and for the number of occupants times 15 cfm/person. In the right column enter the actual minimum ventilation as scheduled. If the space is naturally ventilated enter "NA" in the left column and "the space is naturally ventilated" in the right column.
 8. If the space is required to have either DCV or Occupant Sensor Ventilation, Control indicate "required" in the left column (otherwise indicate "NA" in the left column).
 9. Sensor Ventilation Control is provided indicate "provided" in the right column (otherwise indicate "NA" in the right column).
 10. In the left column indicate the required energy controls from the standard, in the right column identify the device that provides this functionality (e.g. EMS or programmable thermostat).
 11. Enter "NA" if there is no electric heating. If the system has electric heating indicate which receptacle is 140.4(d) applies.
 12. If duct leakage testing and sealing is required, a MERS-04 Compliance document must be submitted.
 CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
REQUIREMENTS FOR PACKAGED SINGLE ZONE UNITS
 (CEC/TITLE 24, PART 6.02) (Page 2 of 2)
 CERTIFICATE OF COMPLIANCE
 Project Name: SOLANO CC Date Issued: 12-30-19

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I, the undersigned, certify that the information provided on this Certificate of Compliance is true and correct.
 I am a duly licensed professional engineer under Division 4 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 The energy features and performance specifications, materials, components, and manufacturer's data for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 6 of the California Code of Regulations.
 The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation for building permit at occupancy.

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I, the undersigned, certify that the information provided on this Certificate of Compliance is true and correct.
 I am a duly licensed professional engineer under Division 4 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 The energy features and performance specifications, materials, components, and manufacturer's data for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 6 of the California Code of Regulations.
 The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation for building permit at occupancy.

Responsible Designer Name: Rickert Henriksen
 Company: Sacramento Engineering Consultants
 Address: 10555 Old Placerville Road
 City/State/Zip: Sacramento, CA 95827
 Phone: (916) 368-4468
 Responsible Engineer Signature: [Signature]
 Date Signed: M-022816

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016



HMR ARCHITECTS

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DSA #02-117973

SOLANO COMMUNITY COLLEGE

B300 MODIFICATIONS: MAILROOM AND GRAPHICS PROJECT

4000 SUISUN VALLEY RD,
 FAIRFIELD, CA 94534

DSA SUBMITTAL SET

REVISIONS

NO.	DESCRIPTION	DATE

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MECHANICAL LEGEND, SCHEDULES, NOTES AND TITLE 24

NOVEMBER 19, 2019

DRAWN BY: JH/JD
 CHECKED BY: RH
 DATE: 11/19/19
M1.0
 SEC 19549

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
---	SOIL, WASTE OR SANITARY SEWER BELOW GRADE OR SLAB
---	ACID WASTE
---	SOIL, WASTE OR SANITARY SEWER ABOVE GRADE OR SLAB
---	VENT PIPING
---	COLD WATER PIPING
---	HOT WATER PIPING
---	HOT WATER RETURN PIPING
G	GAS PIPING - PRESSURE NOTED
CA	COMPRESSED AIR PIPING
CD	CONDENSATE DRAIN PIPING
X X X	EXISTING PIPING OR FIXTURE TO BE REMOVED OR ABANDONED IN PLACE
	UNION
SOV	SHUT OFF VALVE
GV	GATE VALVE
GV/VB	GATE VALVE IN VALVE BOX
CKV	CHECK VALVE - DIRECTION OF FLOW INDICATED
BV	BALL VALVE
PATRV	AUTOMATIC GAS SHUT-OFF VALVE
gco, fco	PRESSURE AND TEMPERATURE RELIEF VALVE
co, wco	GRADE CLEAN OUT, FLOOR CLEAN OUT
FD	CLEANOUT, WALL CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
HB	HOSE BIBB
POC	POINT OF CONNECTION
POD	POINT OF DISCONNECT
I.E.	INVERT ELEVATION
FF.	FINISHED FLOOR
/FT	PER FOOT
USUFUG	UNDER SLAB, UNDER FLOOR, UNDERGROUND
FA, TA	FROM ABOVE, TO ABOVE
FB, TB	FROM BELOW, TO BELOW
TYF.	TYPICAL
(N)	NEW
(E), EXISTING	EXISTING TO BE FIELD VERIFIED BY CONTRACTOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ABC	ABOVE CEILING
V, VR, VTR	VENT, VENT RISER, VENT THRU ROOF
W, WD	WASTE, WASTE DROP
HU, HUD, HUR, HUR	HOT WATER, HOT WATER DROP, HOT WATER RISER, HOT WATER RETURN
CW, CUD, CUR	COLD WATER, COLD WATER DROP, COLD WATER RISER
REF	REFERENCE
TDL	TOTAL DEVELOPED LENGTH
SAD	SEE ARCHITECTURAL DRAWINGS
SCD	SEE CIVIL DRAWINGS
NIFC	NOT IN PLUMBING CONTRACT
BV/VB	BALL VALVE IN VALVE BOX

GENERAL PLUMBING NOTES

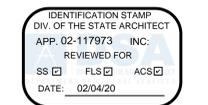
- ALL EQUIPMENT AND MATERIALS USED SHALL BE NEW AND SHALL BE EQUAL IN QUALITY, TYPE, CAPACITY AND ACCESSORIES TO THE EQUIPMENT NOTED ON THE DRAWINGS. ADJUSTMENTS TO CONSTRUCTION AND ACCESSORIES ON SUBSTITUTED EQUIPMENT MAY BE REQUIRED TO ACHIEVE THIS EQUALITY, AND SHALL BE INCLUDED AT NO EXTRA COST TO THE OWNER. MAKE ANY CHANGES IN PIPING, FRAMING, ETC. AS REQUIRED TO ACCOMMODATE SUBSTITUTED EQUIPMENT.
- INSTALL ALL EQUIPMENT AND MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, APPLICABLE CODES SHALL INCLUDE, BUT NOT BE LIMITED TO THE 2016 CALIFORNIA MECHANICAL CODE, 2016 CALIFORNIA PLUMBING CODE, 2016 CALIFORNIA CODE OF REGULATIONS (CCR), 2016 CALIFORNIA FIRE CODE AND 2016 TITLE 24 ENERGY EFFICIENCY STANDARDS. WHERE HEAVIER GAGES OF MATERIAL, LARGER SIZES OR MORE STRINGENT REQUIREMENTS THAN THE CODES ARE REQUIRED BY THE CONTRACT DOCUMENTS, SUCH INCREASED REQUIREMENTS SHALL APPLY.
- PIPING MATERIALS SHALL BE AS FOLLOWS:
 WASTE AND VENT SHALL BE SCHEDULE 40 PVC, POLYVINYL CHLORIDE (PVC) PLASTIC PIPE. ALL PIPE, COUPLINGS AND FITTINGS SHALL BE MANUFACTURED OF MATERIAL CONFORMING TO ASTM D 1785, PLASTIC SOLVENT CEMENT FOR PVC PLASTIC PIPE SHALL CONFORM TO ASTM D 2235. (ALTERNATIVE (A) IS BELOW SLAB, OR IN WALL.)
 WATER PIPE (HOT AND COLD WATER): TYPE L BELOW GRADE, TYPE M ABOVE GRADE, COPPER TUBING, HARD-TEMPER WITH WROUGHT COPPER FITTINGS, SOLDERING / BRAZING MATERIAL SHALL BE LEAD FREE, SILVER SOLDER BELOW GRADE, 95-5 OR SIMILAR ABOVE GRADE. CAPPED OR PLUGGED OUTLETS SHALL BE SCHEDULE 40 SCREWED BRASS. ELBOWS AT BRANCH OUTLETS SHALL BE SCREWED OUTLET, WITH EARS, FOR NAILING OR SCREWING TO WALL BACKING.
 PROVIDE STOPS FOR ALL FIXTURES. STOPS SHALL HAVE THREADED INLETS, SIMILAR TO SPEEDWAY SR 312. STOPS WITH BRAZED (SOLDERED) OR COMPRESSION INLET CONNECTIONS WILL NOT BE ALLOWED.
 PROVIDE ELBOWS AT ALL PIPING PENETRATIONS OF WALLS TO STOPS. ELBOWS SHALL HAVE NAILING EARS, AND SHALL BE SECURELY FASTENED TO THE STRUCTURE. NIFFLES THROUGH THE WALLS SHALL BE IPS WEIGHT THREADED COPPER OR BRASS.
 PROVIDE TRAPS FOR ALL FIXTURES. TRAPS FOR SINKS AND LAVS SHALL BE BRASS, 1/2" GAGE MINIMUM THICKNESS, WITH INTEGRAL CLEANOUT.
 PROVIDE CHROME PLATED ESCUTOHEON PLATES ON ALL PIPES PASSING THROUGH WALLS OR CEILINGS. ALL EXPOSED PIPING SHALL BE CHROME PLATED.
 PROVIDE PERMANENT CLEVIS TYPE OR LOOP HANGERS FOR PIPING AS REQUIRED. WIRE, ROPE, WOOD BLOCKING OR PERFORATED METAL TAPE WILL NOT BE ACCEPTED. PROVIDE PLASTIC WRAPPING OF PIPE WHERE DISSIMILAR METALS OCCUR, SUCH AS BETWEEN COPPER AND IRON PIPING AND SUPPORTS.
 PROVIDE WRAP ON WASTE, HOT AND COLD WATER PIPING UNDER ADA ACCESSIBLE PLUMBING FIXTURES. PLUMBERX "PRO-EXTREME" ONE-PIECE PROTECTOR WITH FULL ROTATION OPTION, AND 3-M DUAL LOCK FASTENERS SECURED WITH SELF LOCKING NYLON STRAPS.
- CATHODIC PROTECTION:
 WRAP ALL COPPER OR STEEL WATER PIPING UNDER FLOOR OR BELOW GRADE WITH TWO LAYERS OF FABCO-WRAP, OR SIMILAR MATERIALS, INCLUDING ALL JOINTS. GAS PIPING BELOW GRADE SHALL BE WRAPPED AS DESCRIBED FOR WATER PIPING, OR, AT CONTRACTOR'S OPTION, MAY HAVE EXTRU-COAT OR SIMILAR COVERING. ALL FIELD JOINTS SHALL BE WRAPPED AS FOR BARE PIPING JOINTS. PLACE EXTRU-COAT GAS PIPING IN A SAND OR SIEVED EARTH BED, WITH SIMILAR COVERING TO A LEVEL OF 4" ABOVE TOP OF PIPE.
 WRAP WATER AND WASTE PIPING THROUGH THE FLOOR SLAB WITH 1/2" THICK THERMASEAL, 2" ABOVE AND BELOW THE SLAB SURFACES.
- INSULATION:
 WRAP ALL HOT WATER SUPPLY AND RETURN PIPING WITH 1" THICK THERMASEAL INSULATION OR EQUAL. TAPE ALL BUTTED JOINTS WITH TAPE AS RECOMMENDED BY THE MANUFACTURER. USE ENLARGED SECTIONS AT FITTINGS, WHERE REQUIRED, AND MITERED JOINTS AT ELBOWS, ETC. VALVE AND PUMP BODIES NEED NOT BE INSULATED.

GENERAL PLUMBING NOTES (cont.)

- INSTALLATION:
 INSTALL ALL PIPING IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE WITH THE STATE OF CALIFORNIA AMENDMENTS. SLOPE ALL WASTE PIPING AS INDICATED ON THE DRAWINGS, AND ALL WATER PIPING TO INSURE ELIMINATION OF AIR. CAREFULLY GRADE ALL WASTE PIPING TO ENSURE A UNIFORM SLOPE IS ACHIEVED, WITHOUT ANY DIPS OR HIGH POINTS IN THE PIPING.
 CAREFULLY TRENCH FOR ALL UNDERGROUND PIPING, AVOID OTHER UTILITIES AND REPAIR ANY DAMAGES TO SAME CAUSED BY THE WORK OF THIS CONTRACT. PROVIDE PROPER SHORING FOR ALL DEEP TRENCHES, AS REQUIRED BY THE SAFETY REGULATIONS OF THE STATE OF CALIFORNIA, AND BY OSHA. PROVIDE ALL REQUIRED BARRICADES, WARNING SIGNS, ETC. CAP ALL PIPING ENDS AT THE CLOSE OF THE DAY'S WORK, TO PREVENT ENTRY OF FOREIGN MATERIALS. FLUSH PIPING OF ALL DEBRIS BEFORE CONNECTING TO FIXTURES.
 EMBED ALL UNDERGROUND PIPING, IN SIEVED EARTH FOR A DEPTH OF 4" ABOVE THE PIPE. SMOOTH THE TRENCHING BELOW THE PIPING FREE FROM ANY ROCKS OR SIMILAR OBSTRUCTIONS, AND PROVIDE SPACE FOR BELLS OR MECHANICAL JOINTS FOR ALL WASTE PIPING. LATERALLY BRACE PIPING TO PREVENT PIPE MOTION DURING BACK-FILLING OPERATIONS.
 PROVIDE SHOCK ABSORBERS AT HOT AND COLD WATER AT ALL FIXTURES. ABSORBER SHALL BE A LINE SIZE PIPE RISER CONNECTING TO A 1" HIGH CAPPED PIPE CHAMBER SIZED ONE SIZE LARGER THAN THE RISER. A SINGLE MECHANICAL SHOCK ABSORBER MAY BE UTILIZED FOR A BATTERY OF FIXTURES, PROVIDED THE ABSORBER IS SIZED FOR THE MAIN LINE SERVING THE BATTERY OF FIXTURES.
 CHLORINATE ALL WATER PIPING FOR A PERIOD OF 8 HOURS, BY CHARGING WITH A CHLORINE OR HYPO CHLORITE SOLUTION TO ACHIEVE A 5 PPM STRENGTH AT THE FIXTURE FURTHEST FROM THE POINT OF APPLICATION. UPON COMPLETION OF CHLORINATION, FLUSH ALL PIPING UNTIL NO CHLORINE CAN BE DETECTED BY TASTE.
 AFTER CHLORINATION AND ALL TESTING HAS BEEN COMPLETED, CLEAN ALL FIXTURE STRAINERS, AND SET WATER FLOWS FROM FIXTURES IN ACCORDANCE WITH THE REQUIREMENTS OF T24, CCR.
- TESTS:
 TEST ALL WASTE AND VENT PIPING FOR A PERIOD OF NOT LESS THAN 8 HOURS BY CAPPING OR PLUGGING ALL JOINTS TO A LEVEL OF THE HIGHEST FIXTURE OR FITTING. FILLING THE SYSTEM WITH WATER, AND OBSERVING FOR LEAKS. TEST UNDERGROUND SECTION OF PIPE WITH A RISER TO ACHIEVE THE PRESSURE EQUIVALENT TO THE HIGHEST FIXTURE OR FITTING.
 TEST WATER PIPING AT 100 PSIG FOR A PERIOD OF EIGHT HOURS, OBSERVING FOR ANY VISIBLE LEAKS. TEST PIPING AGAIN WITH FIXTURES INSTALLED AT 60 PSIG.
 REPAIR ANY LEAKS FOUND BY REMAKING THE JOINT, DO NOT USE CAULKING OR SIMILAR METHODS TO CORRECT LEAKS. UPON REPAIRING ANY LEAKS FOUND, AGAIN TEST THAT PORTION OF THE SYSTEM AS DESCRIBED ABOVE.
- PROVIDE SIX COPIES OF ELECTRONIC SUBMITTALS WITH MFR'S OPERATING AND MAINTENANCE DATA FOR ALL ITEMS OF EQUIPMENT INSTALLED. INDICATE THE EXACT MODEL(S) OF EQUIPMENT, WHERE THE MANUFACTURER'S DATA INCLUDES MODELS OTHER THAN THOSE INSTALLED. BIND THE INFORMATION IN 3 RING BINDERS, WITH DIFFERENT TYPES OF EQUIPMENT INDEXED.
- CONTRACTOR SHALL VERIFY ALL WORK CONDITIONS, PRIOR TO COMMENCING WORK, INCLUDING, BUT NOT LIMITED TO: PIPING SIZES, INVERT ELEVATIONS, POINTS OF CONNECTION, FIXTURES AND EQUIPMENT, STRUCTURAL ELEMENTS AND MATERIALS INDICATED AS EXISTING, AS WELL AS THE COORDINATED INSTALLATION OF ALL NEW WORK, MATERIALS, EQUIPMENT, ETC.

PLUMBING SCHEDULE	
SYMBOL	DESCRIPTION
S-1	SINK: JUST MODEL #SL-ADA-1921-A-GR, 19" WIDE x 21" LONG x 5 1/2" DEEP, STAINLESS STEEL, COUNTER MOUNT SINK WITH J-ADA-35 CRUMB CUP STRAINER AND TAILPEICE FOR ADA COMPLIANCE AND CHICAGO MODEL 786-E2825-5-ABC P GOOSENECK FAUCET WITH WRIST BLADE HANDLES, LEAD FREE, 0.5 GPM.
S-1	SERVICE SINK: ELKAY MODEL #C1818X ADJUSTABLE GALVANIZED LEGS, 18 GAUGE TYPE 304 STAINLESS STEEL, 3/2" OUTLET WITH AMERICAN STANDARD #344.012 FAUCET WITH TOP BRACE, STOPS AND VACUUM BREAKER.

FIXTURE CONNECTION SCHEDULE							
SYMBOL	FIXTURE DESCRIPTION	VENT	WASTE		WATER		GAS
			DIRECT	IND.	CW	HW	
S	SINK	1 1/2	2	-	3/4	3/4	-
S-1	SERVICE SINK	1 1/2	2	-	3/4	3/4	-

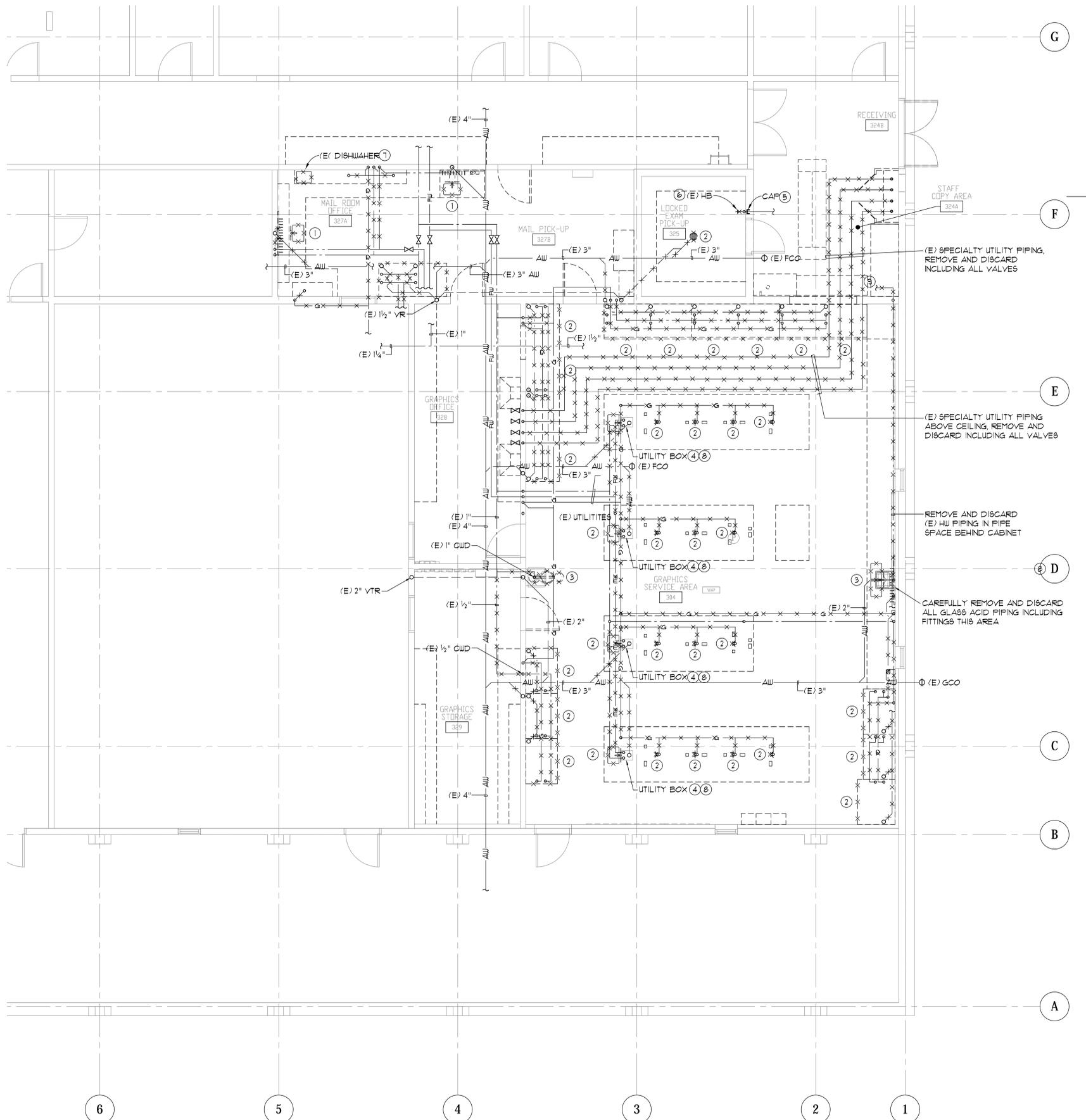


DSA #02-117973
 SOLANO COMMUNITY COLLEGE
 B300
 MODIFICATIONS: MAILROOM AND GRAPHICS PROJECT
 4000 SUISUN VALLEY RD, FAIRFIELD, CA 94534

DSA SUBMITTAL SET

REVISIONS

NO.	DESCRIPTION	DATE

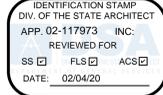


NUMBERED KEY NOTES:

- ① REMOVE EXISTING SINK, CAP EXISTING UTILITIES IN WALL WATER TIGHT.
- ② REMOVE AND DISCARD EXISTING FIXTURE, CAP EXISTING UTILITIES IN FLOOR OR IN WALL WATER TIGHT.
- ③ REMOVE EXISTING FIXTURE, CAP WASTE PIPING IN FLOOR WATER TIGHT, PREPARE WATER PIPING AT WALL FOR FUTURE USE.
- ④ REMOVE AND DISCARD EXISTING UTILITY BOX LOCATED INSIDE TABLE, CAP ALL UTILITIES.
- ⑤ CAP WATER LINE OVERHEAD.
- ⑥ REMOVE AND DISCARD EXISTING HOSE BIBB, INCLUDING EXPOSED WATER LINE ON WALL.
- ⑦ REMOVE DISHWASHER UNIT, CAP WATER AND DRAIN LINES AIR-TIGHT.
- ⑧ CAREFULLY REMOVE AND DISCARD ALL EXISTING GLASS PIPING AND ASSOCIATED FITTINGS.
- ⑨ REMOVE AND DISCARD HOT WATER PIPING IN PIPE SPACE BEHIND CABINET BACK TO MAIN LINE, CAP WATER TIGHT.

NOTE 1:
ALL VENT LINES FROM REMOVED SINKS SHALL BE CAPPED AIR TIGHT ABOVE CEILING OR IN WALL.

NOTE 2:
CAREFULLY REMOVE AND DISCARD ALL GLASS TYPE PIPING INCLUDING FITTINGS.



HMR ARCHITECTS

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Date Signed: 1/29/2020



DSA #02-117973

SOLANO COMMUNITY COLLEGE

B300 MODIFICATIONS: MAILROOM AND GRAPHICS PROJECT

4000 SUISUN VALLEY RD,
FAIRFIELD, CA 94534

DSA SUBMITTAL SET

REVISIONS

NO.	DESCRIPTION	DATE

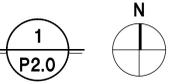
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PLUMBING PLANS

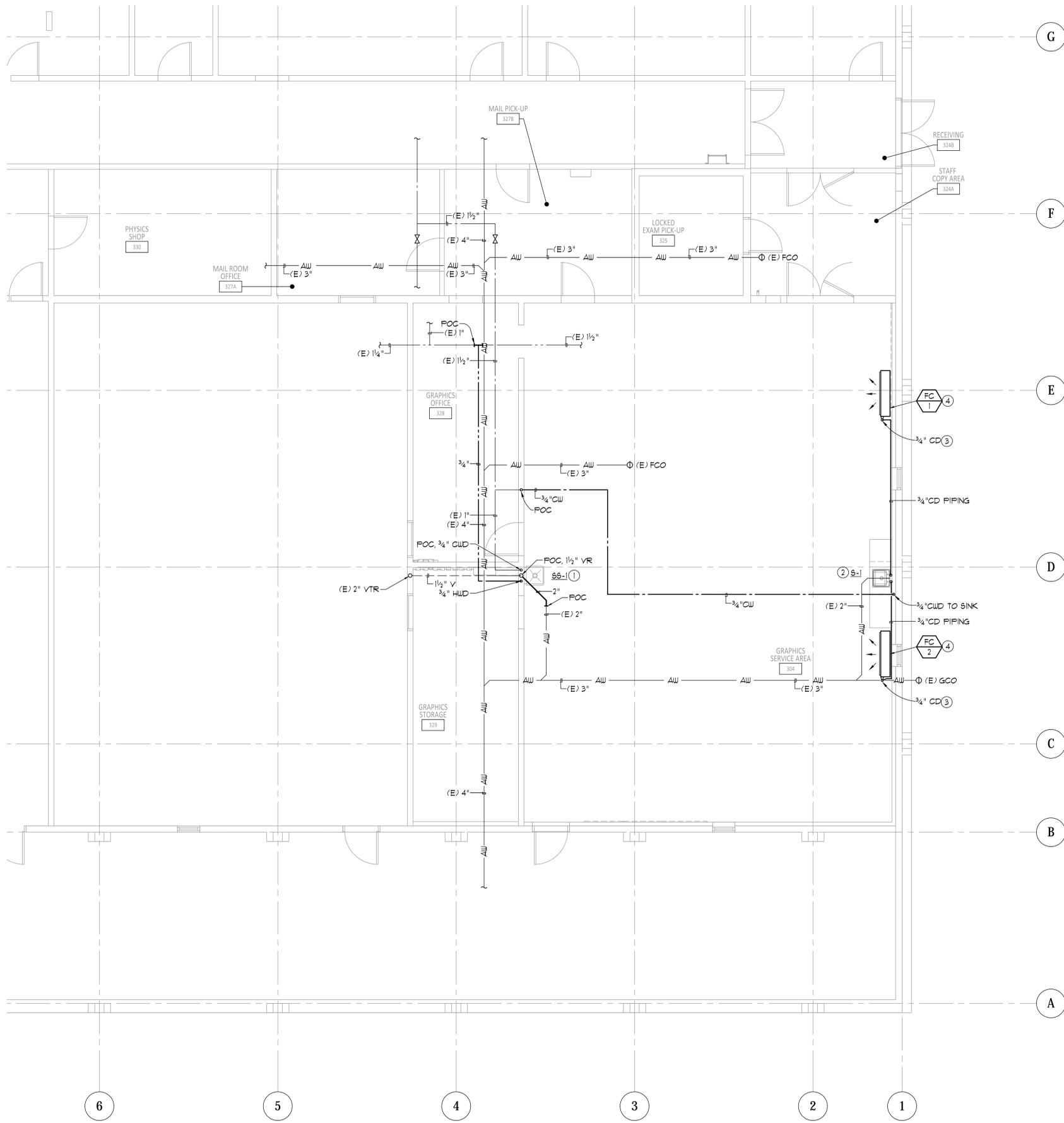
NOVEMBER 19, 2019

DRAWN BY: JH/JD
CHECKED BY: RH
DATE: NOV 19, 2019
SEC 19549

PLUMBING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



P2.0



NUMBERED KEY NOTES:

- ① PLACE SERVICE SINK THIS LOCATION, MAKE CONNECTION TO EXISTING UTILITIES AS SHOWN, OFFSET AS REQ'D.
- ② PLACE SINK THIS LOCATION, MAKE CONNECTION TO EXISTING UTILITIES IN WALL, OFFSET AS REQ'D.
- ③ PROVIDE 3/4" CD CONNECTION TO MINI PUMP, ROUTE PIPING TIGHT TO WALL, DROP, MAKE CONNECTION TO TAILPIECE OF SINK, TYP
- ④ HVAC UNIT, SEE MECH'L PLANS

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

1
P2.1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117973 INC.
REVIEWED FOR
SS FLS ACS
DATE: 02/04/20

HMR ARCHITECTS

2130 21st Street
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ALL 50 STATES
Job No. 19549

DSA #02-117973

**SOLANO
COMMUNITY
COLLEGE**

**B300
MODIFICATIONS:
MAILROOM AND
GRAPHICS PROJECT**

**4000 SUISUN VALLEY RD,
FAIRFIELD, CA 94534**

DSA SUBMITTAL SET

REVISIONS

NO.	DESCRIPTION	DATE

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PLUMBING PLANS
NOVEMBER 19, 2019

DRAWN BY: JH/JD
CHECKED BY: RH
JOB NO.: SEC 19549

P2.1

GENERAL NOTES

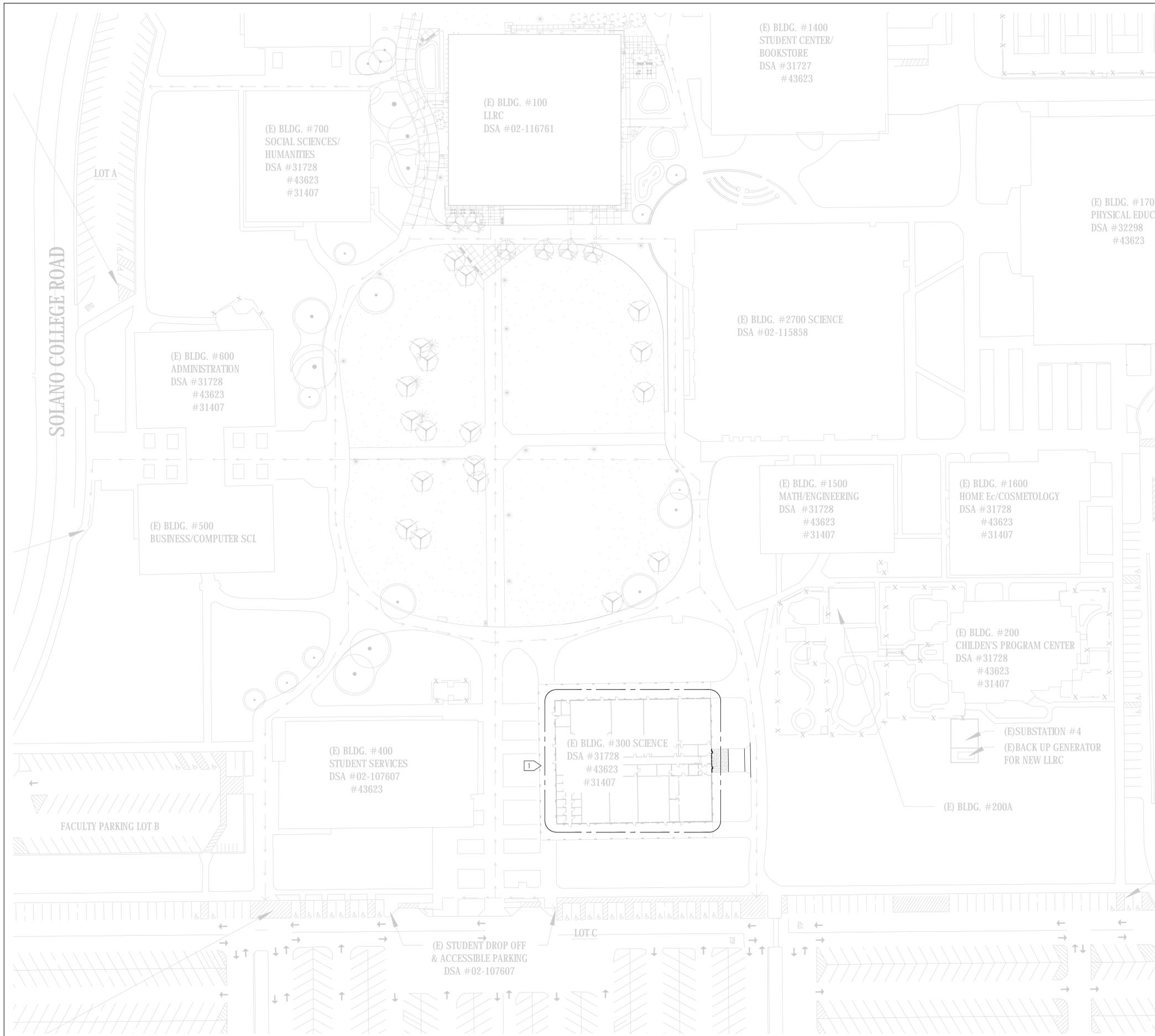
- ALL NEW LOW VOLTAGE DEVICES ARE BEING CONNECTED TO EXISTING LOW VOLTAGE SYSTEMS. REFER TO SPECIFICATIONS FOR DEVICE MANUFACTURERS AND PART NUMBERS. FIRE ALARM DEVICES ARE SHOWN ON EQUIPMENT SCHEDULE. PROVIDE ALL REQUIRED CONNECTIONS, REPROGRAMMING, HARDWARE, EXPANSION CARDS, ETC. FOR A COMPLETE AND OPERATIONAL INSTALLATION.
- MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO THE DEVICE. ALL MOUNTING HEIGHTS SHALL BE AS SHOWN ON THE SYMBOLS LIST UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- THE CONTRACTOR SHALL VISIT THE PROJECT JOB SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE BIDDING AND SHALL INCLUDE IN THE BID NECESSARY COSTS TO CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS, SPECIFICATIONS AND ALL APPLICABLE CODES.
- ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES AND BEAR THEIR LABEL.
- ALL LOCATIONS SHOWN ON PLANS FOR ALL POWER, FIRE ALARM AND LOW VOLTAGE SIGNAL SYSTEM DEVICES ARE APPROXIMATE. COORDINATE EXACT LOCATION IN FIELD.
- CONTRACTOR SHALL REMOVE ALL LEFT OVER WIRE, SCRAPS, CONDUIT ETC. AND LEAVE THE PROJECT JOB SITE CLEAN AND FREE OF TRASH AND DEBRIS RESULTING FROM HIS WORK.
- CONTRACTOR SHALL REPORT TO THE OWNER'S ENGINEER ANY OBSERVATIONS OF CONDITIONS WHICH ARE DISCOVERED IN THE BUILDING WHICH WOULD PREVENT THE CORRECT INSTALLATION OF THE ELECTRICAL SYSTEMS.
- CONDUIT ROUTING ON PLANS IS SHOWN DIAGRAMMATIC. CONTRACTOR SHALL LAYOUT CONDUIT RUNS TO SUIT FIELD CONDITIONS AND THE COORDINATION REQUIREMENTS OF UTILITIES AND OTHER DISCIPLINES.
- ALL CONDUITS AND RACEWAYS PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE SEALED WITH APPROVED SEALANT TO MAINTAIN THE FIRE RATING OF THE FLOOR AND WALL.
- ALL CONDUITS CROSSING EXPANSION JOINTS SHALL BE PROVIDED WITH SPECIFIED EXPANSION/DEFLECTION FITTINGS.
- ALL CONDUIT PENETRATIONS THROUGH ROOF AND EXTERIOR WALL SHALL BE SEALED WATERTIGHT.
- CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR IN FIELD.
- COORDINATE ALL CEILING MOUNTED DEVICES WITH NEW LIGHTING FIXTURES TO AVOID CONFLICTS.
- CONTRACTOR SHALL MAINTAIN BARRIER SEPARATION BETWEEN SURFACE RACEWAY SYSTEM COMPARTMENTS AT ALL TEES AND OR CROSSSES.
- PROVIDE A CEC SIZED INSULATED COPPER GROUND CONDUCTOR IN ALL 120 VOLT THROUGH 600 VOLT FEEDER AND BRANCH CIRCUIT DISTRIBUTION CONDUITS AND CABLES UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL REFER TO POWER PLANS FOR THE LOCATION OF ALL PANELBOARDS.
- FURNISH AND INSTALL ALL PANELBOARDS WITH CIRCUIT BREAKERS AS SHOWN ON PANEL SCHEDULES.
- CONTRACTOR SHALL NOT INSTALL POWER, TELEPHONE OR DATA OUTLETS BACK TO BACK IN STUD WALLS. IN FIRE RATED WALLS, OUTLET BOXES ON OPPOSITE SIDES SHALL BE SEPARATED BY A MINIMUM OF 24" HORIZONTALLY.
- CONTRACTOR SHALL REFER TO ONE LINE DIAGRAM AND PANEL SCHEDULES FOR COMPONENTS OF THE ELECTRICAL SYSTEM.
- LIGHTING AND POWER PLANS TYPICALLY INDICATE HOWERINGS WITH CIRCUIT NEXT TO DEVICES. CONTRACTOR SHALL ROUTE BRANCH CIRCUITS BASED ON CIRCUITING SHOWN AND SWITCH CONFIGURATIONS.
- TELECOMMUNICATION CABLING SHALL BE PROVIDED BY THE CONTRACTOR. COORDINATE OUTLET REQUIREMENTS, RACEWAYS, TELECOMMUNICATION LAYOUTS, ETC. WITH SPECIFICATIONS 4 SCHOOL DISTRICT PRIOR TO INSTALLATION.
- ALL LOW VOLTAGE CABLING ROUTING SHALL BE CONCEALED INSIDE THE BUILDING. PER THE SCHOOL DISTRICT, THE LOW VOLTAGE CABLING MAY BE ROUTED FREE AIR ABOVE T-BAR CEILINGS WITH SUPPORTS PER NEC. IN ATTIC SPACES, ALL LOW VOLTAGE 4 DATA CABLES SHALL BE RATTIC IN CONDUIT. SURFACE MOUNTED RACEWAY (WIREHOLD) SHALL BE USED IF CABLE CONCEALMENT IS NOT APPLICABLE. COORDINATE SURFACE ROUTED RACEWAY LOCATIONS WITH SCHOOL DISTRICT.
- CONTRACTOR SHALL PAINT ALL EXPOSED CONDUITS TO MATCH ADJACENT MATERIAL COLOR.

EXISTING		120/208V, 3 Ph, 4W												FLUSH MOUNTED	
DESCRIPTION	KVA	BKR	CKT	Ph.	A	Ph.	B	Ph.	C	CKT	BKR	KVA	DESCRIPTION	1	
MA-7, RM 306	0.3	2013	1	0.5	2	2	2	2	2	2	2013	0.3	MA-9, RM 306	1	
COUNT RCPPT RM 305	1.0	2011	7	1.3	8	8	8	8	8	8	2011	1.0	MA-10, RM 306	1	
FUME HOOD 9 RM 306	0.5	2011	11	0.8	12	12	12	12	12	12	2011	0.5	FUME HOOD 1 RM 302	1	
OVER, RM 302	1.0	2012	13	1.5	15	15	15	15	15	15	2012	1.0	RECPPT, RM 327	1	
DED. RCPPT EQ. 37	2.0	2011	17	2.5	18	18	18	18	18	18	2011	2.0	FUME HOOD 2 RM 307	1	
MA-8, RM 306	0.3	2013	21	0.8	22	22	22	22	22	22	2013	0.3	REFRIG RCPPT RM 307	1	
EXHAUST FAN ROOF	0.7	2011	25	0.7	26	26	26	26	26	26	2011	0.7	AIR HAND UNIT UTILITY	1	
FUME HOOD RCPPT 307	0.5	2011	27	0.5	28	28	28	28	28	28	2011	0.5	SPARE	1	
POWER POLE	2.5	3002	31	6.0	32	32	32	32	32	32	3002	2.5	SPARE	1	
EQUIPMENT 32	2.5	33	33	6.0	34	34	34	34	34	34	33	2.5	HP-1, FC-1, FC-2	3	
POWER POLE RCPPTS	0.4	2011	35	0.3	36	36	36	36	36	36	2011	0.4	SPARE	3	
POWER POLE	2.5	3002	37	4.2	38	38	38	38	38	38	3002	2.5	EQUIPMENT 50	3	
EQUIPMENT 34	0.5	2011	39	0.4	40	40	40	40	40	40	2011	0.5	POWER POLE RCPPTS	3	
POWER POLE RCPPTS	0.4	2011	41	0.8	42	42	42	42	42	42	2011	0.4	RECPPTS EQ. 77	3	
SUBTOTAL															
CONNECTED LOAD	65.6	KVA		14.9	14.7	10.2								MAIN LUGS ONLY	
25% LIGHTING LOAD	16.4	KVA													
25% LARGEST MOTOR	2.6	KVA													
TOTAL LOAD															
68.2 KVA / 0.360 FACTOR = 189 AMPS															
1. EXISTING LOAD ON EXISTING CIRCUIT BREAKER TO REMAIN.															
2. NEW LOAD ON EXISTING CIRCUIT BREAKER TO REMAIN.															
3. NEW LOAD ON NEW CIRCUIT BREAKER. PROVIDE ALL REQUIRED HARDWARE.															

EXISTING		120/208V, 3 Ph, 4W												FLUSH MOUNTED	
DESCRIPTION	KVA	BKR	CKT	Ph.	A	Ph.	B	Ph.	C	CKT	BKR	KVA	DESCRIPTION	1	
RECPPTS 329 E. WALL	0.4	2011	1	0.8	2	2	2	2	2	2	2011	0.4	RECPPTS 329 N. WALL	1	
RECPPTS 329 N. WALL	0.4	2011	3	0.8	4	4	4	4	4	4	2011	0.4	RECPPTS 304 W. 328 E.	1	
DED. RCPPT EQ. 19	1.5	2011	5	2.9	6	6	6	6	6	6	2011	1.4	RECPPTS EQ. 23 44	2	
DED. RCPPT EQ. 54	1.5	2011	7	3.1	8	8	8	8	8	8	2011	1.6	DED. RCPPT EQ. 56	2	
EQUIPMENT 72	1.9	3002	9	2.9	10	10	10	10	10	10	3002	1.0	DED. RCPPT EQ. 75	2	
SPARE	1.9	11	11	2.5	12	12	12	12	12	12	2011	0.4	FP RECPPTS RM 328	2	
SPARE	2011	13	1.6	14	2011	1.6	16	16	16	16	2011	1.6	DED. RCPPT EQ. 1	2	
SPARE	2011	15	1.6	16	2011	1.6	16	16	16	16	2011	1.6	DED. RCPPT EQ. 2	2	
SPARE	2011	17	0.4	18	2011	0.4	18	18	18	18	2011	0.4	FP RECPPTS EQ. 76	2	
SPARE	2011	19	2.0	20	2011	2.0	20	20	20	20	2011	2.0	SPARE	2	
SPARE	2011	21	2.2	22	2011	2.2	22	22	22	22	2011	2.2	SPARE	2	
SPARE	2011	23	0.5	24	2011	0.5	24	24	24	24	2011	0.5	SPARE	2	
SPARE	2011	25	2.0	26	2011	2.0	26	26	26	26	2011	2.0	SPARE	2	
SPARE	2011	27	0.5	28	2011	0.5	28	28	28	28	2011	0.5	EF-1	1	
SPARE	2011	29	0.5	30	2011	0.5	30	30	30	30	2011	0.5	SPARE	1	
RECPPTS RM 304	0.5	2011	31	5.1	32	32	32	32	32	32	2011	0.4	SUB PANEL 'X' IN	2	
RECPPTS RM 304	0.5	2011	33	5.3	34	34	34	34	34	34	2011	0.4	RM 329	2	
RECPPTS RM 304 TV	0.5	2011	37	4.8	38	38	38	38	38	38	2011	4.3	SURFACE WALL	2	
OUTLET	0.4	2011	39	0.4	40	40	40	40	40	40	2011	0.4	SPARE	2	
OUTLET	0.4	2011	41	0.4	42	42	42	42	42	42	2011	0.4	SPARE	2	
SUBTOTAL															
CONNECTED LOAD	32.8	KVA		10.6	11.1	11.1								MAIN LUGS ONLY	
25% LIGHTING LOAD	8.2	KVA												FED FROM 30P WITH	
25% LARGEST MOTOR	1.0	KVA												100% BREAKER	
14 10.0 KVA RECEPTACLE LOAD @ 100% PLUS REMAINDER @ 50%	10.0	KVA													
TOTAL LOAD															
32.8 KVA / 0.360 FACTOR = 91 AMPS															
1. EXISTING LOAD ON EXISTING CIRCUIT BREAKER TO REMAIN.															
2. NEW LOAD ON EXISTING CIRCUIT BREAKER TO REMAIN.															
3. NEW LOAD ON NEW CIRCUIT BREAKER. PROVIDE ALL REQUIRED HARDWARE.															

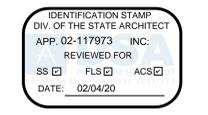
EXISTING		120/208V, 3 Ph, 4W												SURFACE MOUNTED	
DESCRIPTION	KVA	BKR	CKT	Ph.	A	Ph.	B	Ph.	C	CKT	BKR	KVA	DESCRIPTION	1	
RECPPT EQ. 57, 58, 77	0.6	2011	3	0.8	4	4	4	4	4	4	2011	0.2	HOOD	1	
RECPPT EQ. 61, 70	0.2	2011	5	0.4	6	6	6	6	6	6	2011	0.2	HOOD	1	
DED. RCPPT EQ. 15	1.6	2011	7	1.8	8	8	8	8	8	8	2011	0.2	HOOD	1	
DED. RCPPT EQ. 40	1.6	2011	9	1.8	10	10	10	10	10	10	2011	0.2	HOOD	1	
RECPPTS EQ. 36, 77	0.7	2011	11	0.9	12	12	12	12	12	12	2011	0.2	HOOD	1	
MICROWAVE 43	1.2	2011	13	1.2	14	14	14	14	14	14	2011	1.2	SPARE	1	
COFFEE MACHINE 16	1.2	2011	15	1.2	16	16	16	16	16	16	2011	1.2	SPARE	1	
COFFEE MACHINE 16	1.2	2011	17	1.2	18	18	18	18	18	18	2011	1.2	SPARE	1	
RECPPTS EQ. 60, 77	0.4	2011	19	0.9	20	20	20	20	20	20	2011	0.5	PEF-2	1	
RECPPTS EQ. 46, 47, 59, 0.5	2011	21	1.0	22	2011	1.0	22	22	22	22	2011	0.5	SPARE	1	
DED. RCPPT EQ. 49	1.8	2011	23	1.8	24	24	24	24	24	24	2011	1.8	24	2011	
25	25	25	25	25	25	25	25	25	25	25	25	25	25		
29	29	29	29	29	29	29	29	29	29	29	29	29	29		
31	31	31	31	31	31	31	31	31	31	31	31	31	31		
32	32	32	32	32	32	32	32	32	32	32	32	32	32		
33	33	33	33	33	33	33	33	33	33	33	33	33	33		
35	35	35	35	35	35	35	35	35	35	35	35	35	35		
37	37	37	37	37	37	37	37	37	37	37	37	37	37		
38	38	38	38	38	38	38	38	38	38	38	38	38	38		
41	41	41	41	41	41	41	41	41	41	41	41	41	41		
SUBTOTAL															
CONNECTED LOAD	13.7	KVA		4.6	4.8	4.3								FED FROM PANEL 3R1	
25% LIGHTING LOAD	3.4	KVA												70% BREAKER	
25% LARGEST MOTOR	1.0	KVA													
14 10.0 KVA RECEPTACLE LOAD @ 100% PLUS REMAINDER @ 50%	10.0	KVA												24 SPACE PANEL	
TOTAL LOAD															
13.7 KVA / 0.360 FACTOR = 38 AMPS															
1. EXISTING LOAD ON EXISTING CIRCUIT BREAKER TO REMAIN.															
2. NEW LOAD ON EXISTING CIRCUIT BREAKER TO REMAIN.															
3. NEW LOAD ON NEW CIRCUIT BREAKER. PROVIDE ALL REQUIRED HARDWARE.															

EXISTING		120/208V, 3 Ph, 4W												FLUSH MOUNTED	
DESCRIPTION	KVA	BKR	CKT	Ph.	A	Ph.	B	Ph.	C	CKT	BKR	KVA	DESCRIPTION	1	
EQUIPMENT 41	1.7	3003	45	4.2	46	46	46	46	46	46	3003	2.5	EQUIPMENT 53	3	
ROOM 304	1.7	47	47	4.2	48	48	48	48	48	48	2011	0.6	FP RCPPT EQ. 30	3	
EF-1, RM 303	0.1	2013	51	0.2	52	52	52	52	52	52	2013	0.1	MA-7, RM 302	1	
EF-2, RM 303	0.1	2013	53	0.2	54	54	54	54	54	54	2013	0.1	MA-2, RM 302	1	
EF-3, RM 303	0.3	2013	55	0.4	56	56	56	56	56	56	2013	0.1	MA-2, RM 303	1	
EF-4, RM 307	0.3	2013	57	0.4	58	58	58	58	58	58	2013	0.1	MA-4, RM 307	1	
EF-5, RM 305	0.1	2013	59	0.2	60	60	60	60	60	60	2013	0.1	MA-4, RM 307	1	
EF-6, RM 305	0.1	2013	61	0.2	62	62	62	62	62	62	2013	0.1	MA-4, RM 307	1	
EF-7, RM 305	0.1	2013	63	0.2	64	64	64	64	64	64	2013	0.1	MA-4, RM 307	1	
EF-8, RM 305	0.1	2013	65	0.2	66	66	66	66	66	66	2013	0.1	MA-4, RM 307	1	
EF-9, RM 305	0.1	2013	67	0.3	68	68	68	68	68	68	2013	0.3	EF-7, RM 306	1	
EF-10, RM 305</															



NUMBERED NOTES

1 (E) SCIENCE WING 300. SEE FLOOR PLANS FOR WORK REQUIRED. PARTIAL SITE PLAN SHOWN FOR REFERENCE ONLY.



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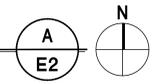
**ELECTRICAL SITE PLAN &
NOTES**

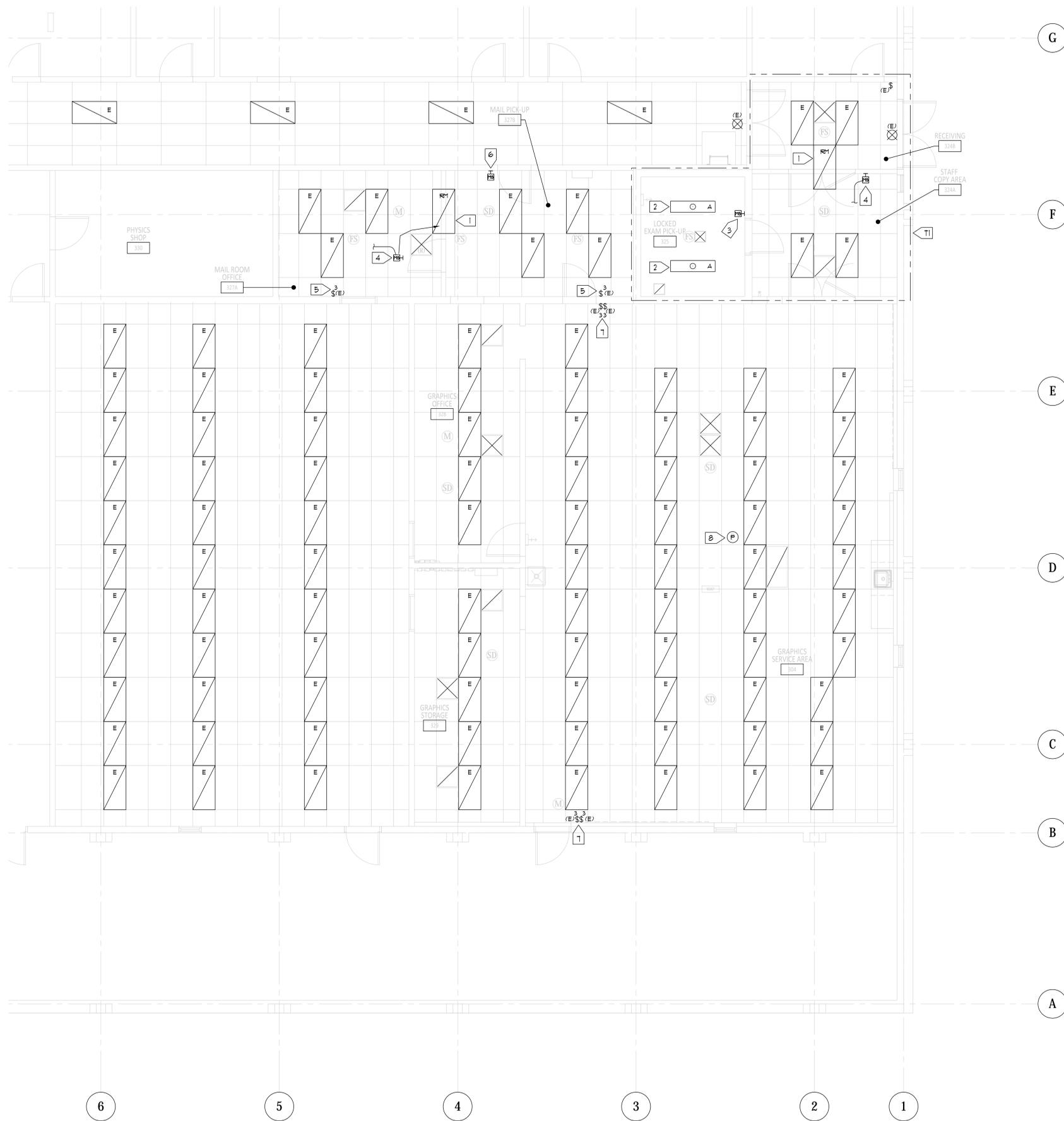
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PROJECT: SEC 19549

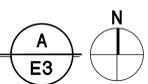
E2

ELECTRICAL SITE PLAN
SCALE: 1" = 40'-0"





ELECTRICAL LIGHTING PLAN
SCALE: 1/4" = 1'-0"

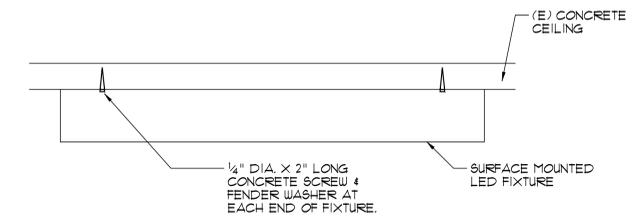


TITLE 24 NOTE

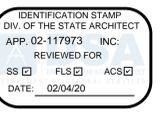
T1 THIS IS A LIGHTING WIRING ALTERATION, EXCEPTION 2 TO SECTION 1410 (b) 2K IN AN ENCLOSED SPACE WHERE WIRING ALTERATIONS INVOLVE TWO OR FEWER LUMINAIRES.

NUMBERED NOTES

- 1 (E) LIGHT FIXTURE TO BE REMOVED AND DEMOLISHED. DISCONNECT AND REMOVE LIGHT FIXTURE. REMOVE CONDUIT & CONDUCTORS BACK TO NEAREST JUNCTION BOX. MAINTAIN LIGHTING CIRCUIT CONTINUITY FOR (E) FIXTURES. CONTRACTOR SHALL DISPOSE OF LAMPS AND BALLAST PER LOCAL AND STATE REGULATIONS. BALLAST MAY CONTAIN PCB'S.
- 2 (E) LIGHT FIXTURE TO BE REPLACED WITH NEW LED LIGHT FIXTURE. DISCONNECT, REMOVE AND DISPOSE (E) LIGHT FIXTURE. COIL LIGHTING CIRCUIT AT JUNCTION BOX FOR RECONNECTION TO NEW LIGHT FIXTURES. SEE LIGHTING FIXTURE SCHEDULE FOR NEW LIGHT FIXTURES. CONTRACTOR SHALL DISPOSE OF LAMPS AND BALLAST PER LOCAL AND STATE REGULATIONS. BALLAST MAY CONTAIN PCB'S. MOUNT TO JUNCTION BOX WITH MOUNTING BRACKET AND CONCRETE SCREWS. SEE DETAIL B/E3.
- 3 (E) LIGHT SWITCH TO BE REPLACED WITH NEW LINE VOLTAGE OCCUPANCY SENSOR. DISCONNECT AND REMOVE (E) LIGHT SWITCH. INSTALL NEW LINE VOLTAGE OCCUPANCY SENSOR AND CONNECT TO (E) CIRCUITING IN SAME LOCATION.
- 4 PROVIDE AND INSTALL A NEW LINE VOLTAGE OCCUPANCY SENSOR SWITCH IN NEW WALL. ROUTE NEW CONDUIT AND CONDUCTORS UP IN NEW WALL AND CONNECT TO (E) LIGHTING CIRCUIT CONNECTED TO THE LIGHT FIXTURES IN THE ROOM FOR A COMPLETE AND OPERATIONAL INSTALLATION.
- 5 (E) LIGHT SWITCH TO BE REMOVED. DISCONNECT AND REMOVE LIGHT SWITCH. REMOVE CONDUCTORS BACK TO NEAREST JUNCTION BOX ABOVE CEILING. PROVIDE A BLANK COVER PLATE AND INSTALL OVER JUNCTION BOX ON WALL.
- 6 (E) LIGHT SWITCH TO BE REMOVED AND REPLACED WITH A NEW LINE VOLTAGE OCCUPANCY SENSOR AS SHOWN. CONTRACTOR SHALL CONNECT NEW OCCUPANCY SENSOR TO THE (E) LIGHTS IN THE ROOM. PROVIDE ADDITIONAL WIRING AS REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION.
- 7 (E) LIGHT SWITCHES FOR ROOM 304 TO REMAIN. CLEAN SWITCH AND COVER PLATE ONCE DEMOLITION IS COMPLETE.
- 8 (E) CORDS FOR PROJECTOR. FULL CORDS UP INTO ACCESSIBLE CEILING SPACE AND COIL ABOVE CEILING FOR FUTURE USE. PROVIDE A NEW CEILING TILE AND TURN OVER CORD MANAGEMENT TO SCHOOL MAINTENANCE DEPARTMENT.



SURFACE MOUNTED LIGHT FIXTURE
SCALE: NONE



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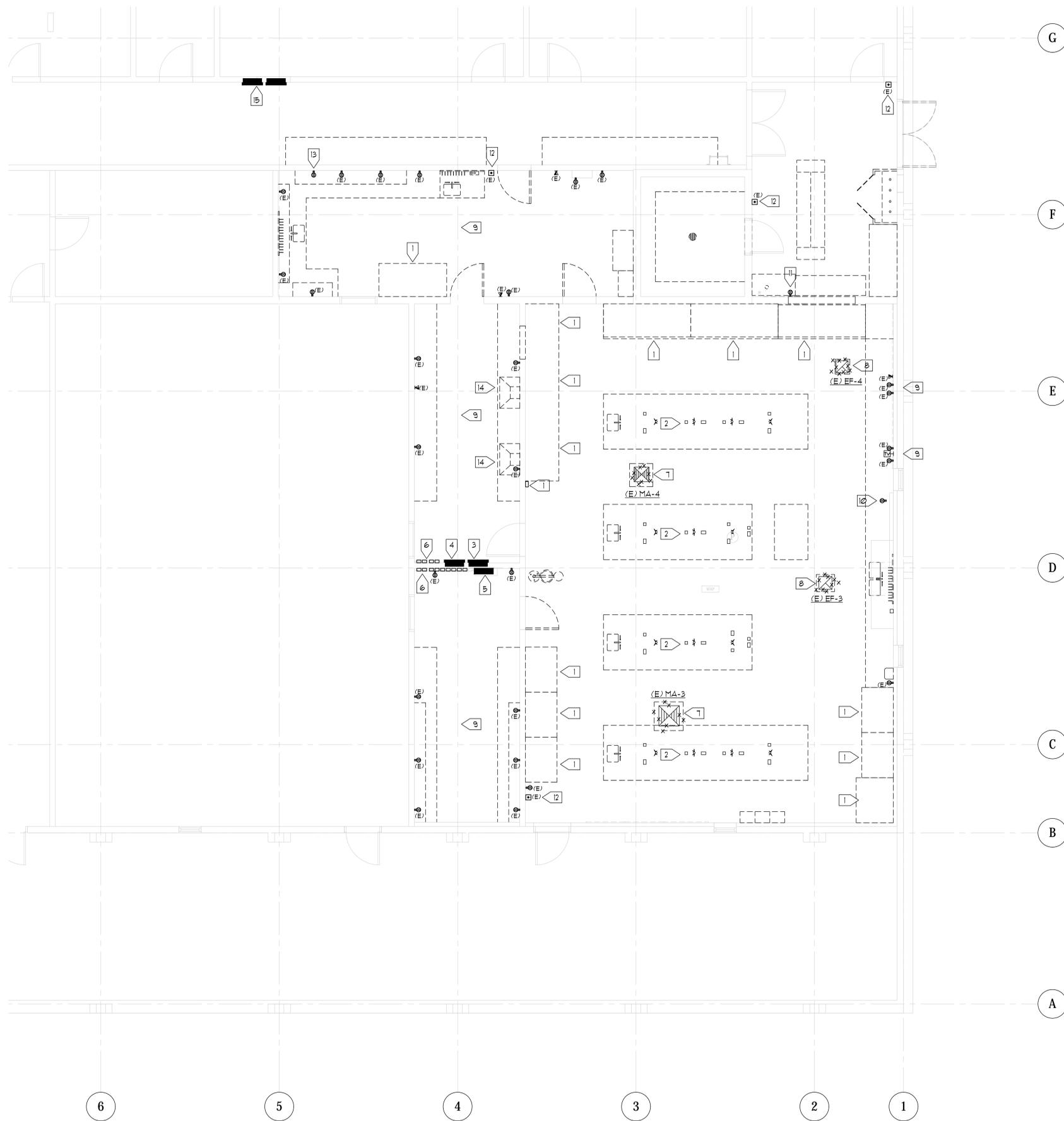
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ELECTRICAL LIGHTING PLAN & NOTES

NOVEMBER 19, 2019

DESIGNED BY: JH/JD
CHECKED BY: RH
PROJECT: SEC 19549

E3



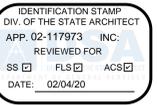
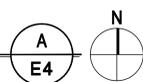
LIGHTING DEMOLITION NOTE

SEE LIGHTING PLAN SHEET E3 FOR DEMOLITION WORK TO (E) LIGHT FIXTURES.

NUMBERED NOTES

- 1 (E) FUME HOOD TO BE REMOVED. DISCONNECT (E) BRANCH CIRCUITS FEEDING THE HOOD AND REMOVE CONDUIT AND CONDUCTORS BACK TO (E) ELECTRICAL PANEL. TURN OFF CIRCUIT BREAKER. SEE PANEL SCHEDULES FOR NEW LOADS ON (E) CIRCUIT BREAKERS. UPDATE PANEL DIRECTORY AS SHOWN ON PANEL SCHEDULE. SEE ELECTRICAL SHEET E5 FOR NEW WORK.
- 2 (E) SCIENCE LAB DESK TO BE REMOVED. DISCONNECT (E) RECEPTACLES AND DATA OUTLETS IN PEDESTALS ON TOP OF DESK AND REMOVE BACK TO CONDUIT STUB UP IN FLOOR. REMOVE CONDUCTORS BACK TO (E) ELECTRICAL PANEL. CAP CONDUITS IN (E) UNDERGROUND TRENCH FOR FUTURE REUSE. TURN OFF CIRCUIT BREAKER. SEE PANEL SCHEDULES FOR NEW LOADS ON (E) CIRCUIT BREAKERS. UPDATE PANEL DIRECTORY AS SHOWN ON PANEL SCHEDULE. SEE ELECTRICAL SHEET E5 FOR NEW WORK. REMOVE DATA CABLES BACK TO (E) IDF IN LAB PREP ROOM 315. PATCH PANEL PORTS TO BE REUSED WITH NEW CAT6 DATA CABLES. SEE E5 FOR NEW DATA OUTLET LOCATIONS.
- 3 (E) ELECTRICAL PANEL 3RI TO REMAIN.
- 4 (E) ELECTRICAL PANEL 3RH TO REMAIN.
- 5 (E) ELECTRICAL PANEL 3RX TO REMAIN.
- 6 (E) DISCONNECT SWITCH AND START/STOP SWITCHES. DISCONNECT AND REMOVE (E) DISCONNECT SWITCH AND START/STOP SWITCHES THAT ARE IN PLACE FOR MAKE UP AIR UNITS #3 & #4 AND EXHAUST FAN UNITS #3 & #4 THAT ARE BEING REMOVED PER MECHANICAL PLANS. REMOVE CONDUIT NIPPLES AND SEAL GUTTER. REMOVE CONDUCTORS BACK TO ELECTRICAL PANEL AND TURN OFF CIRCUIT BREAKER. SEE PANEL SCHEDULES FOR NEW LOADS ON (E) CIRCUIT BREAKERS. UPDATE PANEL DIRECTORY AS SHOWN ON PANEL SCHEDULE. SEE SHEET E5 FOR NEW WORK.
- 7 (E) MAKE UP AIR UNIT BEING DISCONNECTED PER MECHANICAL PLANS. CAP CONDUIT ON ROOF AND SEAL WEATHERPROOF. REMOVE CONDUCTORS BACK TO (E) DISCONNECT, START/STOP SWITCHES AND PANEL CIRCUIT BREAKER.
- 8 (E) EXHAUST FAN BEING DISCONNECTED PER MECHANICAL PLANS. CAP CONDUIT ON ROOF AND SEAL WEATHERPROOF. REMOVE CONDUCTORS BACK TO (E) DISCONNECT, START/STOP SWITCHES AND PANEL CIRCUIT BREAKER.
- 9 (E) ELECTRICAL RECEPTACLES AND DATA OUTLETS IN THIS ROOM TO REMAIN. REMOVE (E) COVER PLATE FOR NEW INSTALLATION OF NEW GYPBOARD PER ARCHITECTURAL PLANS. CLEAN STAINLESS COVER PLATE AND RE-INSTALL ON RECEPTACLE.
- 10 (E) PEDESTAL MOUNT RECEPTACLE TO BE DEMOLISHED. DISCONNECT AND REMOVE (E) RECEPTACLE, FEDESTAL CONDUIT AND CONDUCTORS BACK TO NEAREST JUNCTION BOX AND TERMINATE CONDUCTORS IN JUNCTION BOX. MAINTAIN CONTINUITY OF DOWNSTREAM RECEPTACLES.
- 11 (E) RECEPTACLE AT 49" AFF. PER AS-BUILTS TO BE DEMOLISHED FOR NEW DOOR. REMOVE CONDUCTORS BACK TO NEAREST JUNCTION BOX IN ATTIC SPACE OR NEAREST DEVICE. REMOVE CONDUIT TO NEAREST JUNCTION BOX IN ATTIC SPACE OR REMOVE TO BELOW GRADE. CAP, SEAL WEATHERPROOF AND REPAIR FLOOR TO LIKE NEW CONDITION.
- 12 (E) PANIC EXHAUST FAN PUSH BUTTON TO BE DEMOLISHED. DISCONNECT AND REMOVE CONDUCTORS BACK TO SOURCE. PROVIDE A NEW COVER PLATE AND INSTALL ON JUNCTION BOX.
- 13 (E) UNDER COUNTER RECEPTACLE FOR DISHWASHER TO REMAIN. DISCONNECT (E) DISHWASHER FOR REMOVAL. PROVIDE A NEW STAINLESS STEEL COVER PLATE AND INSTALL ON RECEPTACLE.
- 14 (E) EXHAUST HOODS TO BE REMOVED. DISCONNECT (E) BRANCH CIRCUIT FEEDING THE HOOD AND REMOVE CONDUCTORS BACK TO (E) ELECTRICAL PANEL. TURN OFF CIRCUIT BREAKER. REMOVE CONDUIT BACK TO NEAREST JUNCTION BOX IN ATTIC SPACE.
- 15 (E) 2 SECTION ELECTRICAL PANEL A TO REMAIN.

ELECTRICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



HMR ARCHITECTS

2130 21st Street
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Date Signed: 1/29/2020



DSA #02-117973

**SOLANO
COMMUNITY
COLLEGE**

**B300
MODIFICATIONS:
MAILROOM AND
GRAPHICS PROJECT**

**4000 SUISUN VALLEY RD,
FAIRFIELD, CA 94534**

DSA SUBMITTAL SET

REVISIONS

NO.	DESCRIPTION	DATE

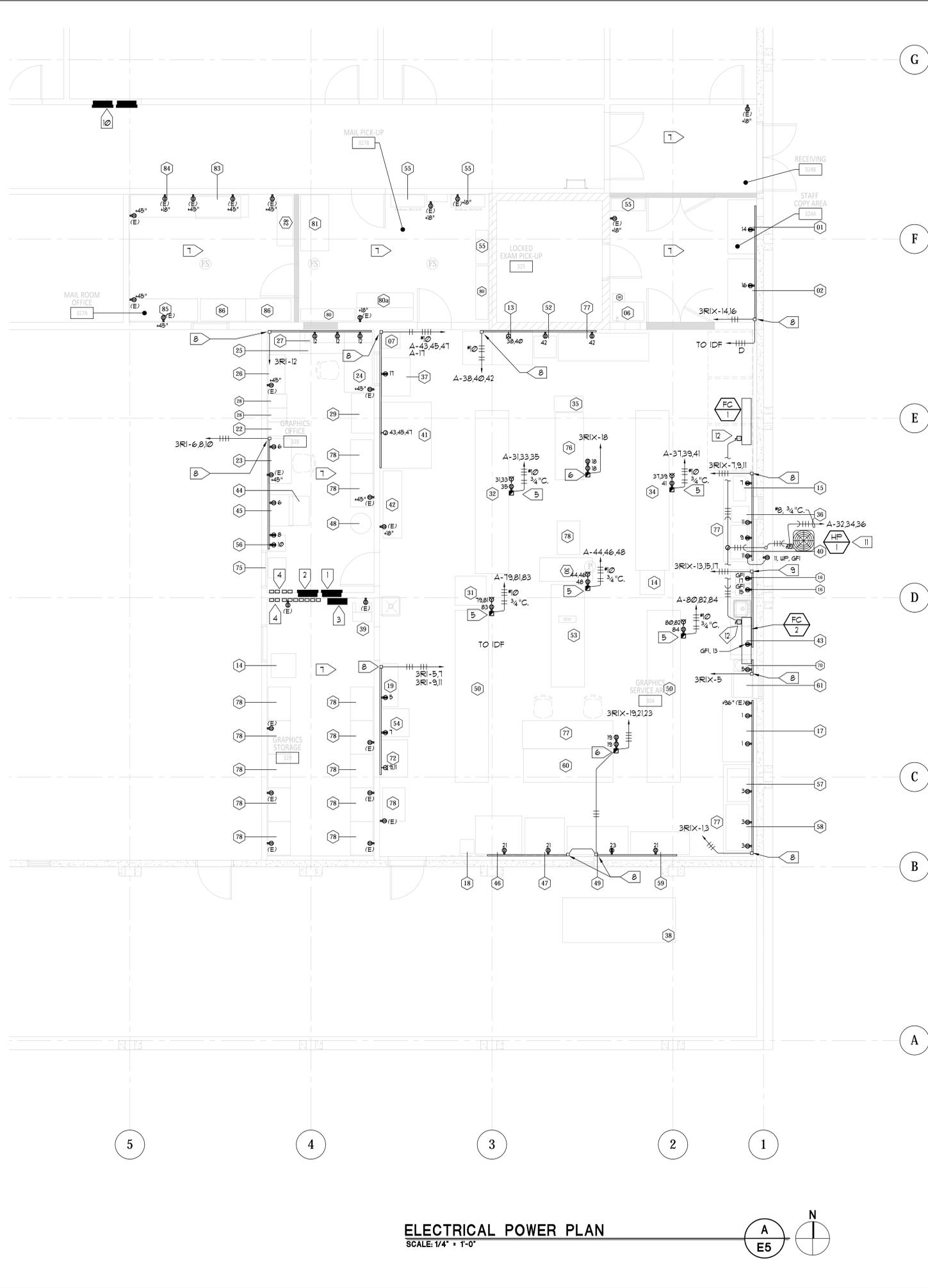
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**ELECTRICAL DEMOLITION PLAN
& NOTES**

NOVEMBER 19, 2019

DRAWN BY:
JH/JD
CHECKED BY:
RH
PROJECT:
SEC 19549

E4



NUMBERED NOTES

- 1 (E) ELECTRICAL PANEL 3R1 TO REMAIN. ROUTE NEW CIRCUITS TO THIS PANEL AS SHOWN.
- 2 (E) ELECTRICAL PANEL 3R4 TO REMAIN. ROUTE NEW CIRCUITS TO THIS PANEL AS SHOWN.
- 3 (E) ELECTRICAL PANEL 3R1X TO REMAIN. ROUTE NEW CIRCUITS TO THIS PANEL AS SHOWN. PROVIDE A PHENOLIC LABEL FOR THIS PANEL TO MATCH (E) PANELS IN ROOM 328.
- 4 (E) DISCONNECT SWITCH AND START/STOP SWITCHES TO REMAIN.
- 5 PROVIDE AND INSTALL A TELEPHONE/POWER POLE FOR POWER AND DATA OUTLETS TO ADJUSTABLE DESKS. PROVIDE (2) DUPLEX RECEPTACLES FOR 120 VOLT, 1 PHASE POWER IN POLE. PROVIDE A SPECIAL 208 VOLT, 1 PHASE, 30 AMP RECEPTACLE FOR POWER CONNECTION TO BIZHUB PRINTING EQUIPMENT. VERIFY WITH EQUIPMENT THE EXACT NEMA CONFIGURATION AND LOCATE ON POLE. CONTRACTOR TO VERIFY EXACT POLE PLACEMENT IN FIELD WITH EQUIPMENT POWER CORD AND (E) LIGHTING FOR A COMPLETE AND OPERATIONAL INSTALLATION. ROUTE POWER FROM ATTIC SPACE INTO POLE AND CONNECT TO OUTLETS. SEE ELECTRICAL SIGNAL PLAN SHEET E6 FOR DATA REQUIREMENTS.
- 6 PROVIDE AND INSTALL A TELEPHONE/POWER POLE FOR POWER AND DATA OUTLETS TO ADJUSTABLE DESKS. PROVIDE (2) DUPLEX RECEPTACLES FOR 120 VOLT, 1 PHASE POWER IN POLE. ROUTE POWER FROM ATTIC SPACE INTO POLE AND CONNECT TO OUTLETS. CONTRACTOR TO VERIFY EXACT POLE PLACEMENT IN FIELD WITH TABLES AND (E) LIGHTING FOR A COMPLETE AND OPERATIONAL INSTALLATION. SEE ELECTRICAL SIGNAL PLAN SHEET E6 FOR DATA REQUIREMENTS.
- 7 RECEPTACLES IN THIS ROOM WITH AN (E) ARE EXISTING TO REMAIN. VERIFY CABLE CONNECTIONS ARE COMPLETE AND TIGHT.
- 8 SURFACE RACEWAY ROUTED DOWN WALL FROM T-BAR CEILING TO 48" AFF. AT 42" PROVIDE A 90 DEGREE AND ROUTE ALONG WALL AS SHOWN. PROVIDE FULL RADIUS 90 DEGREE ELBOWS WITH DIVIDERS FOR DATA CABLE BENDING RADIUS. SURFACE RACEWAY SHALL BE WIREMOLD #40N2 WITH ALL REQUIRED BASE, COVER TRANSITIONS, FITTINGS, CLIPS, ETC. FOR A COMPLETE INSTALLATION. SEE ELECTRICAL SIGNAL PLAN SHEET E6 FOR DATA REQUIREMENTS.
- 9 SURFACE RACEWAY ROUTED DOWN WALL FROM T-BAR CEILING TO 42" AFF. AT 42" PROVIDE A 90 DEGREE AND ROUTE ALONG WALL AS SHOWN ABOVE COUNTER BACKSPLASH. PROVIDE FULL RADIUS 90 DEGREE ELBOWS WITH DIVIDERS FOR DATA CABLE BENDING RADIUS. SURFACE RACEWAY SHALL BE WIREMOLD #40N2 WITH ALL REQUIRED BASE, COVER TRANSITIONS, FITTINGS, CLIPS, ETC. FOR A COMPLETE INSTALLATION.
- 10 (E) 2 SECTION ELECTRICAL PANEL A TO REMAIN. ROUTE NEW CIRCUITS TO THIS PANEL AS SHOWN.
- 11 EXTERIOR MECHANICAL SPLIT SYSTEM UNIT WITH SINGLE POINT CONNECTION TO HP-1. COORDINATE EXACT WIRING CONNECTIONS WITH MECHANICAL CONTRACTOR AND UNIT INSTALLATION REQUIREMENTS FOR A COMPLETE 4 OPERATIONAL INSTALLATION.
- 12 INTERIOR MECHANICAL SPLIT SYSTEM UNIT WITH SINGLE POINT CONNECTION TO HP-1. COORDINATE EXACT WIRING CONNECTIONS WITH MECHANICAL CONTRACTOR AND UNIT INSTALLATION REQUIREMENTS FOR A COMPLETE 4 OPERATIONAL INSTALLATION.

EQUIPMENT KEYNOTES		
ITEM TAG #	DESCRIPTION	COMMENTS
01	(E) KONICA 654e (B&W)	OFOI
02	(E) KONICA C654e (COLOR)	OFOI
06	(E) BLUE CART	OFOI
07	(E) SHREDDING BIN	OFOI
08	(E) COLORED PAPER RACK	OFOI
13	(E) COPIER - 951 (B&W)	OFOI
14	(E) ROLLING TRASH BIN	OFOI
15	(E) HEAT SEAL/H700 PRO	OFOI
16	(E) COFFEE MAKER	OFOI
17	(E) BOSS LASER	OFOI
18	(E) TALL SQUARE WASTEBASKET	OFOI
19	(E) VERSA SEAL	OFOI
21	(E) PALLET JACK	OFOI
22	(E) LOW FILE CABINET	OFOI
23	(E) DESK TABLE	OFOI
24	(E) DESK	OFOI
25	(E) DESK RETURN	OFOI
26	(E) LOW LATERAL FILE	OFOI
27	(E) UPPER WALL HUNG STORAGE	OFOI
28	(E) LOW FILE CABINET	OFOI
29	(E) DESK & HUTCH	OFOI
30	(E) RISO 220W ENVELOPE PRINTER	OFOI
31	(E) CONTROL STATION FOR PRINTERS	OFOI
32	(E) C2070 PRINTER LINE (COLOR)	OFOI
34	(E) KM 1052 PRINTER LINE (B&W)	OFOI
35	(E) ROLLING CART	OFOI
36	(E) PHIN-OUTUFF BINDER	OFOI
37	(E) TRIUMPH 4850-95 CUTTER	OFOI
38	(E) DELIVERY CART - ELECTRIC	OFOI
39	(E) HAND CART	OFOI
40	(E) TANSIN LAMINATOR	OFOI
41	(E) CHALLENGER TITAN 265 CUTTER	OFOI
42	NOT USED	OFOI
43	(E) MICROWAVE	OFOI
44	(E) KONICA MINOLTA BIZHUB 3350	OFOI
45	(E) ROLLING TABLE	OFOI
46	(E) HP DESIGN JET T790 PRINTER	OFOI
47	(E) IFF610 PRINTER	OFOI
48	(E) ROUND WASTE CAN	OFOI
49	(E) KM BIZHUB C754e	OFOI
50	(E) KM BIZHUB 1052 PRINTER LINE	OFOI
52	(E) ROLLING TRASH BIN	OFOI
53	(E) KM BIZHUB 1052 PRINTER LINE	OFOI
54	(E) MM SPIRAL BINDER	OFOI
55	13" x 36" L x 78" H BOOKCASE EDSAL SKU: EBC78GY	CFCI
56	(E) WHYNET PORTABLE AIR CONDITIONER	OFOI
57	(E) TPL & DUPLO DF-915 FOLDER	OFOI
58	(E) DUPLO DC-446 CREASER	OFOI
59	(E) CANON PRO-4000S	OFOI
60	(E) TALL WORK TABLE	OFOI
61	(E) SMALL REFRIGERATOR	OFOI
63	(E) COAT RACK	OFOI
70	(E) WATER COOLER	OFOI
72	(E) CHALLENGER 3 HOLE PUNCH	OFOI
75	(E) SUREBIND SYSTEM THREE PIO	OFOI
76	30" x 72" ADJUSTABLE HEIGHT WORK TABLE. GLOBAL ITEM #: T948014278K BLACK	OFOI
77	30" x 96" ADJUSTABLE HEIGHT WORK TABLE. GLOBAL ITEM #: T9A319084 BLACK	OFOI
78	36" W x 72" H x 24" D 5-SHELF HEAVY DUTY BOLTLESS SHELVING, EDSAL MODEL #: UR2436	CFCI
80	SAFCO EZ SORT MAIL STATION: 4 SORTER MODULES 7751 AND BASE 7756. COLOR: GRAY. C LINE HLD. DEX MAGNETIC LABEL HOLDER 6" x 1/2" IN CLEAR. ITEM#: 104384 ENOUGH FOR 20 BINS.	CFCI
80a	SAFCO EZ SORT MAIL STATION: 2 SORTER MODULES 7751, RISER 7752 WITH SORTING TABLE AND SHELF 7749. PROVIDE COUNTER 7750. COLOR: GRAY. C LINE HLD. DEX MAGNETIC LABEL HOLDER 6" x 1/2" IN CLEAR. ITEM#: 104384 ENOUGH FOR 20 BINS.	CFCI
81	SAFCO EZ SORT SORTING TABLE WITH SHELF 7749. COLOR: GRAY.	CFCI
82	(E) SHELVING	OFOI
83	(E) NEO POST MACHINE	OFOI
84	COMPUTER DESK	OFOI
85	(E) MAIL SUPPLIES	OFOI
86	(E) HANGING FILE	OFOI

NOTES:
CFCI - CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFOI - OWNER FURNISHED, OWNER INSTALLED

ELECTRICAL POWER PLAN
SCALE: 1/4" = 1'-0"
A
E5

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 02-117973 INC.
REVIEWED FOR
SS FLS ACS
DATE: 02/04/20

HMR ARCHITECTS
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Sacramento, CA 95818
T 916 736 2724

REGISTERED ARCHITECT
STATE OF CALIFORNIA
No. 24706
REL. 12/31/21

REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
No. 106229
EXP. 6-30-2021

Date Signed: 1/29/2020

SACRAMENTO ENGINEERING CONSULTANTS
10555 Old Placerville Road
Sacramento, CA 95827-2523
Phone: (916) 368-4468
www.secc.com
REGISTERED IN ALL 50 STATES
JOB No. 19549

DSA #02-117973

SOLANO COMMUNITY COLLEGE

B300 MODIFICATIONS: MAILROOM AND GRAPHICS PROJECT

4000 SUISUN VALLEY RD,
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ELECTRICAL POWER PLAN &
NOTES

NOVEMBER 19, 2019

DRAWN BY: JH/JD
CHECKED BY: RH
DATE: 11/19/19

E5

SEC 19549

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HMR ARCHITECTS

2130 21st Street
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Date Signed: 1/29/2020



DSA #02-117973

**SOLANO
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 COLLEGE**

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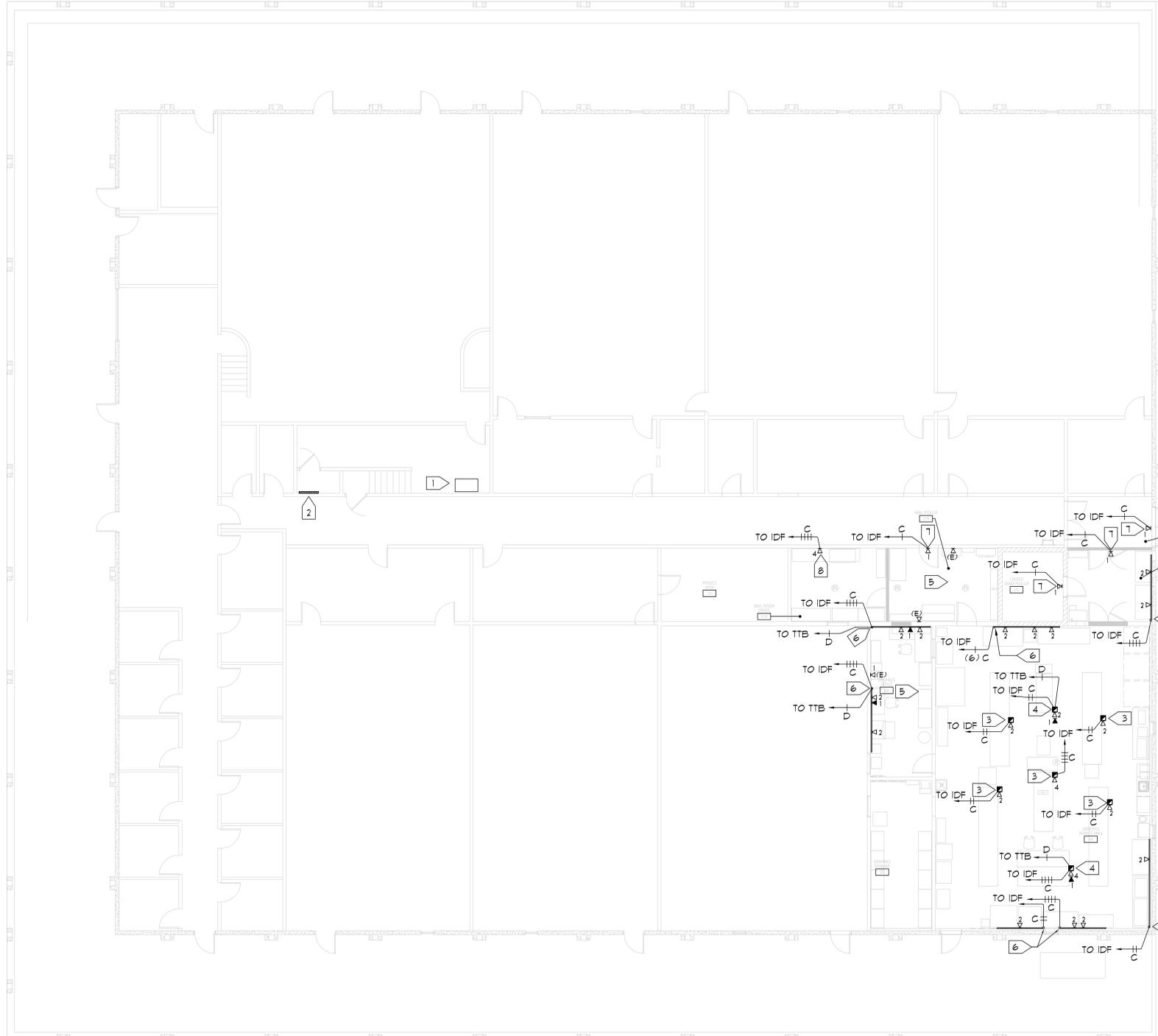
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ELECTRICAL SIGNAL PLAN &
 NOTES

NOVEMBER 19, 2019

DRAWN BY:
 JH/JD
 CHECKED BY:
 RH
 TYPED BY:
 SEC 19549

E6



NUMBERED NOTES

- 1 (E) IDF DATA RACK AT THE BOTTOM OF THE STAIRS TO REMAIN.
- 2 (E) TELEPHONE TERMINAL BOARD IN CLOSET TO REMAIN.
- 3 TELEPHONE/POWER POLE FOR POWER AND DATA OUTLETS TO PRINTING EQUIPMENT. SEE ELECTRICAL POWER PLAN SHEET E5 FOR TELE/POWER POLE REQUIREMENTS. ROUTE CAT6 DATA CABLES FROM ATTIC SPACE INTO POLE AND CONNECT TO OUTLETS. COORDINATE WITH SCHOOL REQUIREMENTS FOR JACK MFG. AND COLORS.
- 4 TELEPHONE/POWER POLE FOR POWER AND DATA OUTLETS TO ADJUSTABLE DESKS. SEE ELECTRICAL POWER PLAN SHEET E5 FOR TELE/POWER POLE REQUIREMENTS. ROUTE CAT6 DATA CABLES FROM ATTIC SPACE INTO POLE AND CONNECT TO OUTLETS. COORDINATE WITH SCHOOL REQUIREMENTS FOR JACK MFG. AND COLORS.
- 5 DATA/PHONE OUTLETS IN THIS ROOM WITH AN (E) ARE EXISTING TO REMAIN. VERIFY CABLE CONNECTIONS ARE COMPLETE AND TIGHT.
- 6 SURFACE RACEWAY ROUTED DOWN WALL FROM T-BAR CEILING TO 48" AFF. SEE ELECTRICAL POWER PLAN SHEET E5 FOR RACEWAY REQUIREMENTS. ROUTE DATA/TELEPHONE CABLES IN RACEWAY TO OUTLETS AND CONNECT TO JACKS FOR A COMPLETE & OPERATIONAL INSTALLATION. COORDINATE WITH SCHOOL REQUIREMENTS FOR JACK MFG AND COLOR.
- 7 PROVIDE A DATA BISCUIT BOX WITH (1) DATA JACK FOR CONNECTION TO WIRELESS GATEWAY FOR DOOR LOCKS.
- 8 SURFACE RACEWAY ROUTED DOWN WALL FROM T-BAR CEILING TO 42" AFF. AT 42" PROVIDE A SURFACE RACEWAY JUNCTION BOX AND DATA JACKS. SURFACE RACEWAY SHALL BE WIREMOLD #2000 WITH ALL REQUIRED BASE, COVER, TRANSITIONS, FITTINGS, CLIPS, ETC. FOR A COMPLETE INSTALLATION.

ELECTRICAL SIGNAL PLAN
 SCALE: 1/8" = 1'-0"

A
 E6

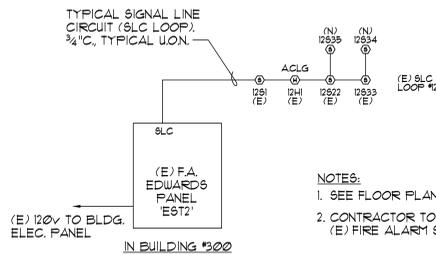


NUMBERED NOTES

- 1 (E) EST FIRE ALARM PANEL FOR THIS BUILDING TO REMAIN.
- 2 (E) FIRE ALARM SMOKE DETECTOR TO REMAIN. CONNECT TO SMOKE DETECTOR ABOVE T-BAR CEILING AND EXTEND SLC LOOP OVER TO NEW SMOKE DETECTOR AS SHOWN.
- 3 (E) FIRE ALARM DUCT SMOKE DETECTOR LOCATED IN THE SUPPLY AIR DUCT TO REMAIN.

FIRE ALARM PLAN

SCALE: 1/8" = 1'-0"



- NOTES:**
- 1. SEE FLOOR PLAN FOR QUANTITIES OF WIRES.
 - 2. CONTRACTOR TO PROGRAM NEW DEVICES TO (E) FIRE ALARM SYSTEM.

FIRE ALARM RISER DIAGRAM

SCALE: NONE

EST2 BATTERY CALCULATIONS						
Description	Device	Quantity	Standby Current	Total Standby Current	Alarm Current	Total Alarm Current
Existing Control Panel	EST2	1	0.1400	0.1400	0.2600	0.2600
Existing Manual Pull Station	SIGA-270	4	0.0003	0.0010	0.0004	0.0016
Existing Smoke Detector	SIGA-PS	58	0.0000	0.0026	0.0000	0.0026
New Smoke Detector	SIGA-PS	2	0.0000	0.0001	0.0000	0.0001
Existing Heat Detector	SIGA-HRS	16	0.0000	0.0007	0.0000	0.0007
Existing Duct Detector	SIGA-DH	2	0.0000	0.0001	0.0000	0.0001
Existing Annunciator	2-L-SRA-C	1	0.0920	0.0920	0.1050	0.1050
Existing Horn Strobe 110cd	G1RF-HDVM	1	0.0000	0.0000	0.1790	0.1790
Existing Horn Strobe 75cd	G1RF-HDVM	13	0.0000	0.0000	0.1330	1.7290
Existing Horn Strobe 15cd	G1RF-HDVM	5	0.0000	0.0000	0.0650	0.3250
Existing Strobe 75cd	G1RF-VM	3	0.0000	0.0000	0.1090	0.3270
Existing Strobe 30cd	G1RF-VM	7	0.0000	0.0000	0.0630	0.4410
Existing Strobe 15cd	G1RF-VM	12	0.0000	0.0000	0.0410	0.4920
Existing EOL		4	0.0050	0.0200	0.0050	0.0200
Existing Dual Sync Module		2	0.0350	0.0700	0.0350	0.0700
Existing Input Module		2	0.0003	0.0005	0.0004	0.0008
Existing Horn	G1RF-HD	6	0.0000	0.0000	0.0240	0.1440
TOTALS			TOTAL STANDBY	0.327	TOTAL ALARM	4.098
COMPUTATIONS						
TOTAL AMPS USED IN STANDBY = 0.327 X 24 HOURS = 7.848 AH						
TOTAL AMPS USED IN ALARM = 4.098 X 5 MIN = 0.340 AH						
+20% CONTINGENCY = 1.638 AH						
TOTAL STANDBY BATTERY REQUIREMENTS = 9.826 AH						
TOTAL BACKUP BATTERY PROVIDED = 12.000 AH						
TOTAL BACKUP BATTERY REQUIRED = 9.826 AH						
TOTAL BACKUP BATTERY RESERVED = 2.174 AH						
Existing (2) 12ah batteries provide 12 amp hours at 24 volts						

FIRE ALARM EQUIPMENT SCHEDULE			
SYMBOL	CATALOG #	DESCRIPTION	
FACP	(E) EDWARDS EST2 TO REMAIN	(E) F.A. CONTROL PANEL WITH (E) (2) 12 AH BATTERIES IN CABINET.	
⊙	(E) EDWARDS SIGA-PS	ADDRESSABLE SMOKE DETECTOR 4 BASE	1212-1651.0126
⊙	(N) EDWARDS SIGA-PS	ADDRESSABLE SMOKE DETECTOR 4 BASE	1212-1651.0126
⊙	(E) EDWARDS SIGA-HRS	ADDRESSABLE ATTIC HEAT DETECTOR 4 BASE	1210-1651.0125
⊗	(E) EDWARDS GIRF-VM	WALL MOUNTED STROBE (15, 30, 75, 115 CANDELA)	1125-1651.0218
⊗	(E) EDWARDS GIRF-HDVM	WALL MOUNTED HORN/STROBE (15, 30, 75, 115 CANDELA)	1125-1651.0202

NOTES:

- THE (E) FIRE ALARM SYSTEM IS AN APPROVED FULLY AUTOMATIC VOICE EVAC SYSTEM WITH MANUAL DEVICES TO COMPLY WITH THE GREEN OAKS FAMILY ACADEMY ELEMENTARY SCHOOL FIRE PROTECTION ACT (SB 515).
- FIRE ALARM AUDIBLES SHALL HAVE THE SAME BASIC SOUND & PATTERN & SOUND THE CALIFORNIA UNIFORM FIRE ALARM SIGNAL IN TEMPORAL MODE.
- THE FIRE ALARM CONTROL PANEL SHALL TRANSMIT THE ALARM SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY ARTICLE 91 OF THE CALIFORNIA FIRE CODE. THE SUPERVISING STATION SHALL BE LISTED AS EITHER ULFJX OR ULJJB BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.

FIRE ALARM CABLE SCHEDULE	
TYPE	DESCRIPTION
A	(2) #6 TWISTED/UNSHIELDED (F.A. SIGNALING LOOP CIRCUIT) WEST PENN #990, UET LOCATION WEST PENN AGC225.

FIRE ALARM SYSTEM NOTES

- F.A. SYSTEM SHALL CONFORM TO 2016 CALIFORNIA BUILDING CODE SECTION 90712.3, 2016 CALIFORNIA ELECTRICAL CODE, ARTICLE 160 & NFPA 72, 2016 EDITION. COMPONENT SHALL BE AS SPECIFIED ON THE DRAWINGS. THE MANUFACTURERS FACTORY TRAINED AND AUTHORIZED REPRESENTATIVE SHALL PERFORM OR SUPERVISE THE INSTALLATION. UPON COMPLETION OF INSTALLATION THIS PERSON SHALL EXECUTE A SATISFACTORY TEST OF THE ENTIRE SYSTEM IN THE PRESENCE OF THE DSA INSPECTOR. TESTING SHALL ALSO INCLUDE A BATTERY TEST. OPERATE SYSTEM FOR 24 HOURS WITHOUT INPUT POWER & PERFORM A (B) FIVE MINUTE ALARM TEST OF THE ENTIRE SYSTEM AT THE END OF 24 HOURS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE SYSTEM COMPLETE AND OPERATIONAL.
- COMPLETE FIRE ALARM SUBMITTAL INCLUDED.
- THE FIRE ALARM SYSTEM SHALL CONFORM TO NOTE #1 AND ALSO CONFORM TO SB 515. THE F.A. DEVICES SHALL BE AUTOMATIC AND MONITORED BY AN APPROVED SUPERVISING STATION THAT IS LISTED AS EITHER ULFJX OR ULJJB BY UNDERWRITERS LAB. OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.

- FIRE ALARM NOTES**
- THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED AND MAINTAINED IN ACCORDANCE WITH THE STATE FIRE MARSHAL'S REGULATIONS & 2016 CBC SEC. 907.
 - THE FIRE ALARM SYSTEM SHALL CONFORM TO CAL. ELEC. CODE AND ARTICLE 91. INSTALLATION OF THE SYSTEM SHALL NOT BEGIN UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CFM LISTING NUMBERS FOR EACH COMPONENT, HAVE BEEN APPROVED BY DSA. UPON COMPLETION OF THE INSTALLATION, A TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE DSA INSPECTOR OF RECORD.
 - THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ) NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHAL APPROVED AND LISTED (NFPA 72, SEC. 10.5.3.1)
 - ALARM-INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 dBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL, HAVING A DURATION OF 60 SECONDS WHICH-EVER IS GREATER MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS (NFPA 72, SEC. 10.4.3.1)
 - ALL FIRE ALARM CABLE SHALL BE INSTALLED IN 1/2" CONDUIT MINIMUM. ALL ROUTINGS SHALL BE CONCEALED. PROVIDE A FULL ROPE IN ALL UNUSED CONDUIT RUNS.
 - ALL STROBES SHALL BE SYNCHRONIZED TO FLASH AT THE SAME TIME WITH ONE ANOTHER PER 2016 NFPA 72.
 - THE LOCATION OF THE (E) FIRE ALARM SYSTEM WERE TAKING DURING SITE INVESTIGATION. THE CALCULATIONS WERE TAKING FROM AS-BUILTS WHEN THE (E) EQUIPMENT WAS INSTALLED.

FIRE ALARM SYSTEM OPERATIONAL MATRIX								
CAUSE	EFFECT	ALARM AT FACP	ACTIVATE AUDIBLES	ACTIVATE VISUALS	TROUBLE AT FACP	DEACTIVATE AUDIBLES/VISUALS	SYSTEM NORMAL	SUPERVISING STATION
MANUAL PULL STATION		X	X	X				X
SMOKE & HEAT DETECTORS		X	X	X				X
SYSTEM RESET						X	X	X
SYSTEM SILENCE						X	X	X
AC POWER FAILURE AT FACP					X			X
F.A. TROUBLE (OPEN SHORTS OR GROUNDS) ON INITIATION, OR SIGNALING					X			X

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REVIEWED FOR
SS □ FLIS □ ACS □
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T 916 736 2724

REGISTERED PROFESSIONAL ARCHITECT
No. 24704
REL. 12/31/21
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
No. 10629
EXP. 6-30-2021
STATE OF CALIFORNIA
Date Signed: 1/29/2020

SACRAMENTO ENGINEERING CONSULTANTS
10555 Old Placerville Road
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SOLANO COMMUNITY COLLEGE

B300 MODIFICATIONS: MAILROOM AND GRAPHICS PROJECT

4000 SUISUN VALLEY RD, FAIRFIELD, CA 94534

DSA SUBMITTAL SET

REVISIONS		
NO.	DESCRIPTION	DATE

FIRE ALARM PLAN

NOVEMBER 19, 2019

DRAWN BY: JH/JD
CHECKED BY: RH
DATE: SEC 19549

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