

LOS MEDANOS
COLLEGE

2700 East Leland Road
Pittsburg, CA 94565
(925) 439 – 2181
www.losmedanos.edu



1. REPLACEMENT OF EXISTING SPLIT SYSTEMS IN THE SCIENCE BUILDING, MATH BUILDING, CORE BUILDING, COLLEGE COMPLEX AND STUDENT SERVICES, IDENTIFIED ABOVE.

MATH BUILDING: ACI/ACO-1 & 2

COLLEGE COMPLEX: ACI/ACO-2 & 3

ALT. 1: COLLEGE COMPLEX: ACI/ACO-1

2. ADJUST MOCPS AND PROVIDE ELECTRICAL CONNECTION BETWEEN OUTDOOR AND INDOOR SPLIT SYSTEMS WHERE REQUIRED.

SHEET INDEX	
SHEET NUMBER	SHEET NAME
M0.01	COVER SHEET AND NOTES
M0.02	H/VAC LEGENDS AND ABBREVIATIONS
M0.03	H/VAC SCHEDULES
M0.04	TIA FORMS
M2.01SC	SCIENCE BUILDING LEVEL 1 PLANS
M2.02SC	SCIENCE BUILDING LEVEL 2 PLANS
M2.03SC	SCIENCE BUILDING ROOF PLANS
M2.01MA	MATH LEVEL 1 PLAN
M2.02MA	MATH LEVEL 2 PLAN
M2.03MA	MATH ROOF PLAN
M2.01CO	CORE BUILDING LEVEL 1 PLAN
M2.01OC	COLLEGE COMPLEX LEVEL 1 PLAN
M2.02CC	COLLEGE COMPLEX LEVEL 2 PLAN
M2.03CC	COLLEGE COMPLEX LEVEL 3 PLAN
M2.04SS	STUDENT SERVICES LEVEL 4 AND ROOF PLAN
M2.05	GENERAL INFRASTRUCTURE

 College Complex

 **CORE**
Business Services
Center for Academic
Support
Equity & Inclusion

CS Child Study Center

 **Campus Safety**
Police Services

EL ETEC Lab

F Cafeteria

 Kinesiology & Athletics
Complex

L Library
Community Room

MA Math



PS Classrooms

 Science
MESA Center

 Student Services

- Admissions/Cashier
- Assessment Services
- Counseling Services
- DSPS
- EOPS, CARE, CalWORKs
- Financial Aid/Scholarships
- Information/Welcome Center
- LMC Foundation
- Office of Instruction
- President's Office
- Transfer & Career Services



- Bookstore
- Conference Center
- Food Pantry
- Honors Program
- International Students Program
- Latinx Empowerment Center
- Reflection Room
- Student Life
- Student Lounge
- Unity Center
- Umoja Scholars Program

 Veterans Resource Center All Gender Restrooms

 Accessible

 Bus Stop Elevator

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1080 Marina Village Parkway
Suite 501
Alameda, CA 94501-1142

[illegible]LOS MEDANOS
COLLEGE

Drawn by	TE
Scale	$1/2" = 1'-0"$

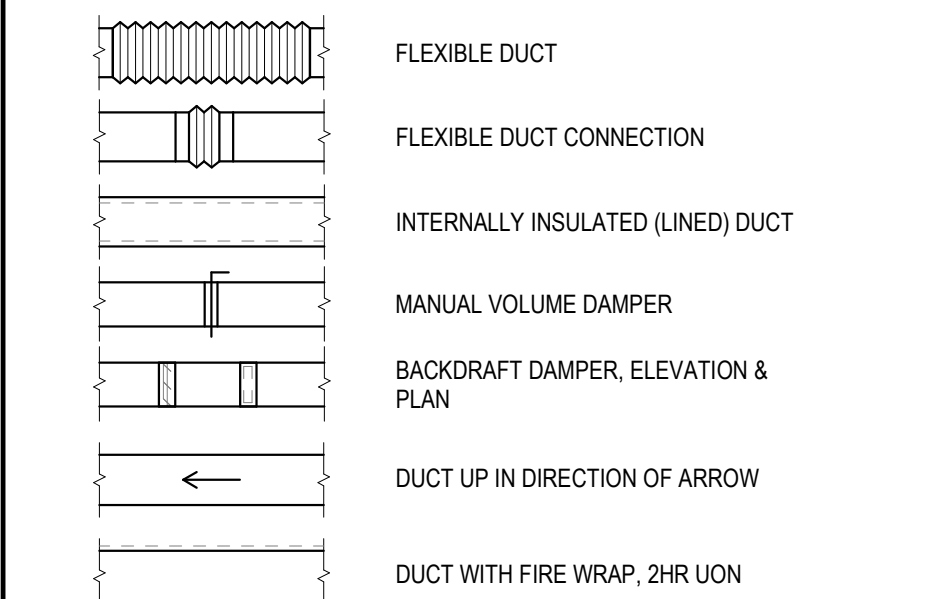
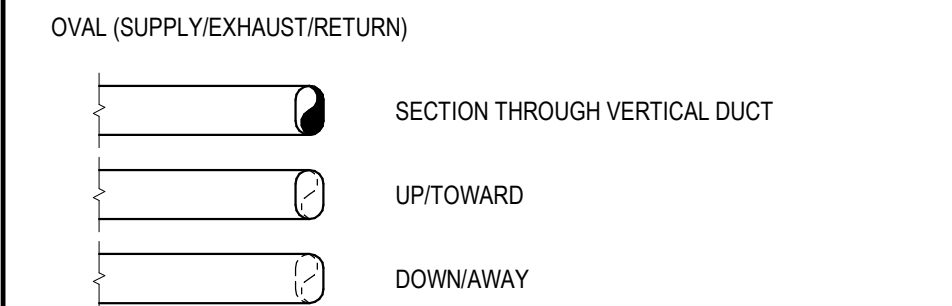
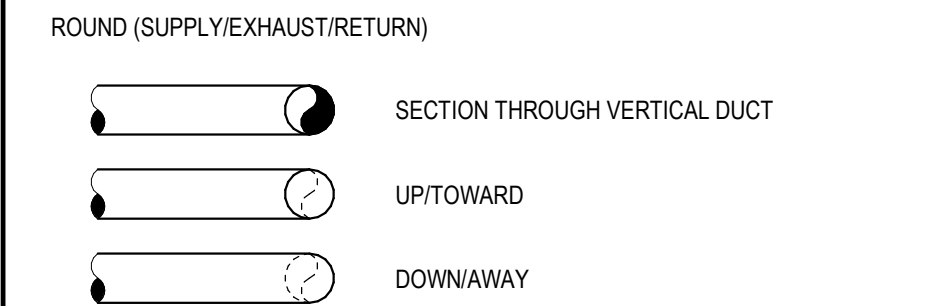
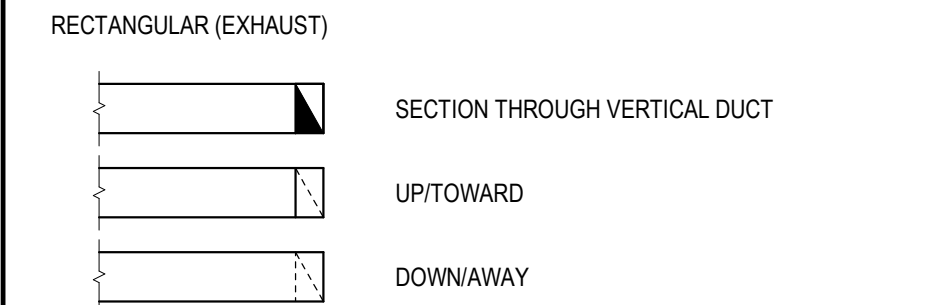
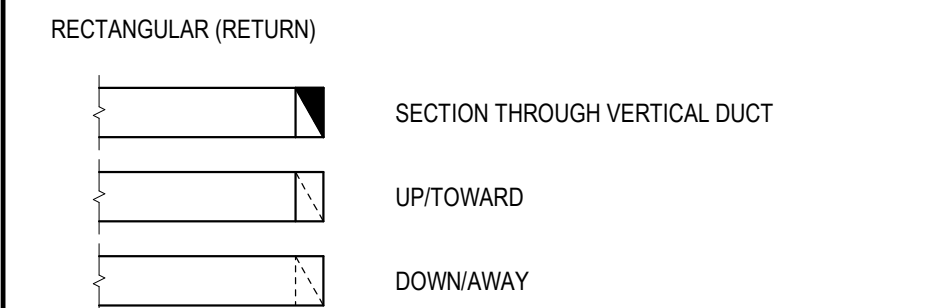
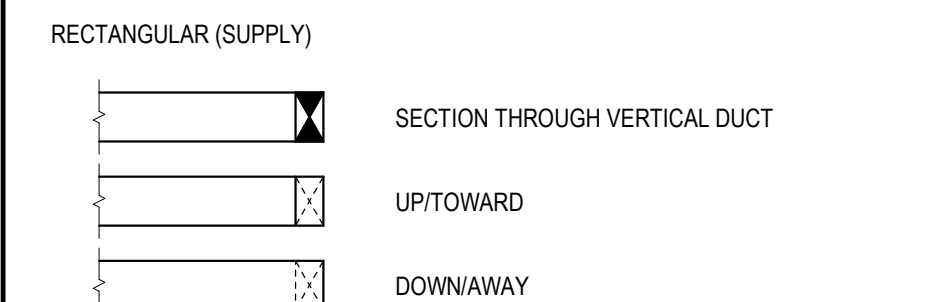
COVER SHEET AND
NOTES

M0.01

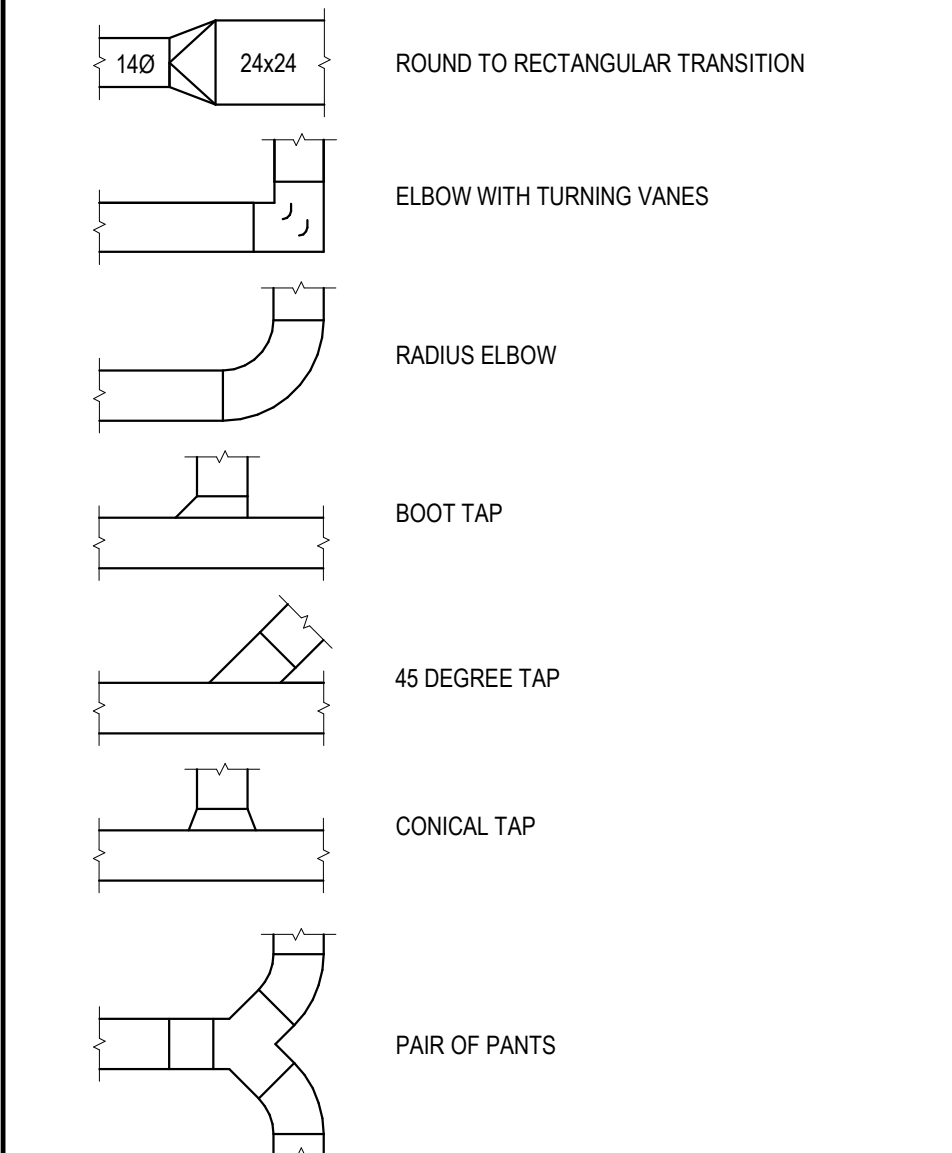
DUCT LABELING

The diagram illustrates four types of duct labeling with their respective dimensions and shapes:

- Rectangular:** Shows a rectangular duct with a visible width of 146B and a hidden depth of 146D.
- Round:** Shows a round duct with a visible diameter of 140.
- Oval:** Shows an oval duct with a visible width of 146B and a hidden depth of 146D.



REPRESENTATIVE DUCT FITTINGS
(SEE SPECIFICATIONS FOR REQUIREMENTS)



CEILING SLOT DIFFUSER

CEILING SUPPLY DIFFUSER

CEILING EXHAUST/RETURN GRILLE

PLENUM RETURN GRILLE

WALL OR DUCT DIFFUSER OR GRILLE

FLOOR GRILLE

SWIRL DIFFUSER

	DATUM OR POINT OF CONNECTION
	DOOR LOUVER
	DOOR UNDERCUT
	RETURN/EXHAUST AIRFLOW ARROW POINTING IN DIRECTION OF AIRFLOW
	SUPPLY AIRFLOW ARROW POINTING IN DIRECTION OF AIRFLOW

	DUCT SMOKE DETECTOR
	ROOM THERMOSTAT/SENSOR
	HUMIDITY SENSOR
	PRESSURE SENSOR
	WINDOW SWITCH
	CO2 SENSOR
	OCCUPANCY SENSOR
	SENSOR LEADER
	DOT MARKS THE SENSOR LOCATION

T-9'10"	TOP OF DUCT, PIPE, GRILLE AT 9'10" AFF
T-EL-+25'0"	TOP OF DUCT, PIPE, GRILLE AT 25'0" ABOVE 0'0" DATUM ELEVATION
B-9'10"	BOTTOM OF DUCT, PIPE, GRILLE AT 9'10" AFF
B-EL-+25'0"	BOTTOM OF DUCT, PIPE, GRILLE AT 25'0" ABOVE REF ELEVATION
CL-9'10"	CENTER LINE OF DUCT, PIPE, GRILLE AT 9'10" ABOVE REF ELEVATION
CL-EL-+25'0"	CENTER LINE OF DUCT, PIPE, GRILLE AT 25'0" ABOVE REF ELEVATION
B-10'0"	BOTTOM OF BEAM (STRUCTURE) AT THIS EXACT LOCATION
[W24X162 B-10'6"]	BOTTOM OF BEAM (STRUCTURE) ALONG LENGTH OF BEAM

ELEVATIONS PROVIDED FOR REFERENCE ONLY - FINAL ELEVATIONS AND COORDINATION ARE THE RESPONSIBILITY OF THE CONTRACTOR

SINGLE DUCT VAV BOX

- ACCESS CLEARANCE
- CONTROLLER
- REHEAT COIL (IF PRESENT)
- INLET

DUAL DUCT VAV BOX

- ACCESS CLEARANCE (EACH SIDE)
- CONTROLLER (EACH SIDE)
- OUTLET
- INLETS

VERTICAL FIRE SMOKE DAMPER

- FLOW ARROW (IN DIRECTION OF AIRFLOW)
- MOTOR
- SECOND MOTOR FOR LARGE FSDs

HORIZONTAL FIRE SMOKE DAMPER

- MOTOR

CONTROL DAMPER

- FLOW ARROW (IN DIRECTION OF AIRFLOW)
- DAMPER
- MOTOR

SUSPENDED NATURAL VENTILATION INDICATOR LIGHT

- DIRECTION LIGHT IS FACING
- DIRECTION LIGHT IS FACING IF TWO SIDED

VARIABLE SPEED DRIVE

- CLEARANCE
- FRONT OF VARIABLE SPEED DRIVE
- VARIABLE SPEED DRIVE

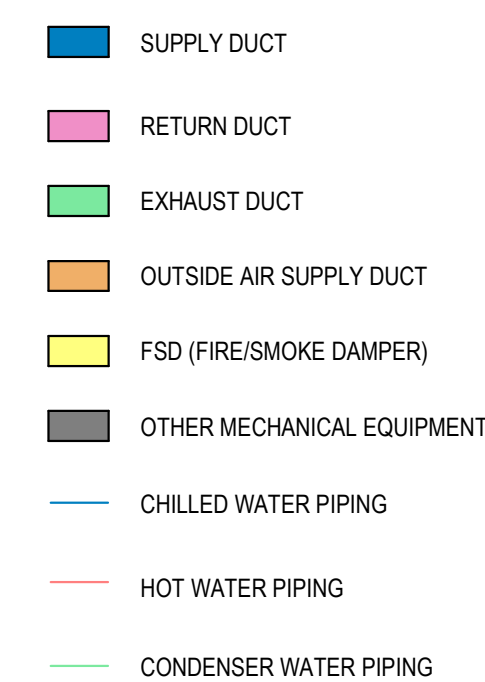
	BALL VALVE
	BUTTERFLY VALVE
	CALIBRATED BALANCE VALVE
	FLOW CONTROL VALVE
	GLOBE VALVE
	GATE VALVE
	CHECK VALVE
	STOP COOK VALVE
	PRESSURE REDUCING VALVE
	PRESSURE SUSTAINING VALVE
	3-WAY AUTOMATIC CONTROL VALVE
	2-WAY AUTOMATIC CONTROL VALVE
	SAFETY RELIEF VALVE
	TEE
	ELBOW
	TWIN SPHERE FLEX CONNECTION
	FLEXIBLE CONNECTION (METALLIC)
	SUCTION DIFFUSER W/ STRAINER & H.B.
	POINT OF CONNECTION
	WYE STRAINER
	STRAINER W/ BLOW OFF H.B.
	TRIPLE DUTY VALVE
	FLOW SWITCH
	DIFFERENTIAL PRESSURE TRANSMITTER
	PRESSURE GAUGE
	THERMOMETER
	THERMO WELL W/ TEMP SENSOR
	TEST FITTING (PETE'S PLUG)
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	FLOW METER
	EXPANSION JOINT
	PIPE ANCHOR
	ALIGNMENT GUIDE
	FLANGED JOINT/BLIND FLANGE
	UNION
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	PIPE CAP
	PIPE BREAK
	PIPE UP
	PIPE DOWN
	FLOW DIRECTION ARROW
	SUPPLY PIPE (CONTINUOUS LINE)
	RETURN PIPE

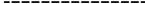
FIRE SMOKE DAMPER & FIRE DAMPER

The diagram illustrates the layout and labeling for a Fire Smoke Damper & Fire Damper. It includes the following components and their labels:

- Main Unit:**
 - Top right: TAG (FSD or FD)
 - Below TAG: FLOOR NUMBER
 - Below FLOOR NUMBER: UNIQUE IDENTIFIER
 - Left side: FSD FF-XX
 - Below FSD FF-XX: 74 x 18
 - Below 74 x 18: A
 - Right side: FSD TYPE
 - Below FSD TYPE: HEIGHT
 - Below HEIGHT: WIDTH
- GRILLE OR DIFFUSER:**
 - Right side: TYPE
 - Callout box: CALLOUT
 - Callout box: X
 - Callout box: NECK
 - Callout box: SIZE
 - Below SIZE: NOMINAL SIZE
 - Below NOMINAL SIZE: NECK SIZE
 - Below NECK SIZE: CFM
- SECTION MARK:**
 - Right side: SECTION NUMBER
 - Below SECTION NUMBER: SHEET NUMBER
- EQUIPMENT TAG:**
 - Right side: TAG
 - Below TAG: UNIQUE IDENTIFIER
- VAV BOX TAG:**
 - Right side: TAG
 - Below TAG: (VC - COOLING ONLY)
 - Below (VC - COOLING ONLY): (VR - REHEAT)
 - Below (VR - REHEAT): (PPP - PARALLEL FAN POWERED)
 - Below (PPP - PARALLEL FAN POWERED): (PPS - SERIES FAN POWERED)
 - Left side: VAV
 - Below VAV: 1234
 - Below 1234: UNIQUE IDENTIFIER
 - Below UNIQUE IDENTIFIER: FLOOR NUMBER
 - Below FLOOR NUMBER: AIR HANDLING UNIT NUMBER

(FOR DRAWINGS IN COLOR)



EXISTING	
	SINGLE LINE
	DOUBLE LINE
	ISOMETRIC
DEMOLITION	
	SINGLE LINE
	DOUBLE LINE
	ISOMETRIC
NEW CONSTRUCTION	
	SINGLE LINE
	DOUBLE LINE
	ISOMETRIC

R	ROUND
Ø	PHASE
(E)	EXISTING
(N)	NEW
(R)	RELOCATED
ABBR.	ABBREVIATION
ABS	ABSOLUTE
AF	AIRFOIL
AFB	ABOVE FINISHED FLOOR
AI	ANALOG INPUT
AO	ANALOG OUTPUT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP IN INCHES WATER COLUMN
B-	BOTTOM ELEVATION
B-	BELT DRIVE
BDD	BACK DRAFT DAMPER
BF	BOTTOM FLAT
BHP	BRAKE HORSEPOWER
BP	BEAM PENETRATION
C.A.	COMBUSTION AIR
CAP	CAPACITY
CAP STAGE	CAPACITY STAGES
C.A.P.	CEILING ACCESS PANEL
CARTR	CARTRIDGE
CENTR	CENTRIFUGAL
CFP	CAP FOR FUTURE
CFM	CUBIC FEET PER MINUTE
CHOR	CHANGE/OVER RETURN
CHOS	CHANGE/OVER SUPPLY
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CL	CENTERLINE
CLG	CEILING
CO	CARBON MONOXIDE
CO2	CARBON DIOXIDE
COMP	COMPRESSOR
COP	COEFFICIENT OF PERFORMANCE
CCWR	CLOSED CONDENSER WATER RETURN
CCWS	CLOSED CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
DD	DIRECT DRIVE
DEFL	DEFLECTION
DELTA P	DIFFERENTIAL PRESSURE
DI	DIGITAL INPUT
DO	DRAIN LINE
DO	DIGITAL OUTPUT
DPS	DIFFERENTIAL PRESSURE SWITCH
DPT	DIFFERENTIAL PRESSURE TRANSMITTER/TRANSDUCER
E.A	EXHAUST AIR
E-PWR	EMERGENCY POWER
ECM	ELECTRONICALLY COMMUTATED MOTOR
EDB	ENTERING DRY BULB TEMPERATURE
EER	ENERGY EFFICIENCY RATING
EFF	EFFICIENCY
ET	EXPANSION TANK
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB TEMPERATURE
EWI	ENTERING WATER TEMPERATURE
FAS	FIRE ALARM SYSTEM
FD	FIRE DAMPER
FF	FOULING FACTOR
FPI	FMS PER INCH
FPF	FMS PER FOOT
FPM	FEET PER MINUTE
FPP	FAN POWERED PARALLEL VAV BOX
FPS	FAN POWERED SERIES VAV BOX
FSD	FIRE SMOKE DAMPER
FT	FEET
FT2	SQUARE FEET
GPM	GALLONS PER MINUTE
H	HEIGHT
H.B.	HOSE BIB
HEAD	PRESSURE RISE IN FEET OF WATER COLUMN
HP	HORSEPOWER
HRR	HEAT RECOVERY RETURN
HS	HEAT RECOVERY SUPPLY
HS	HUMIDITY SENSOR
HWR / HWHR	HOT WATER RETURN / HEATING HOT WATER RETURN
HWS / HWMS	HOT WATER SUPPLY / HEATING HOT WATER SUPPLY
HX	HEAT EXCHANGER
ID	INSIDE DIMENSION
IN	INCHES
IN WC	INCHES OF WATER COLUMN
IPV	INTEGRATED PART LOAD VALUE
KBH	1,000 BTUH
KW	KILOWATTS
LDB	LEAVING DRY BULB TEMPERATURE
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MANUF	MANUFACTURER
MCA	MINIMUM CIRCUIT AMPS
MOCp	MAXIMUM OVERCURRENT PROTECTION
MED	MEDIUM
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MIN	MINIMUM
MIN OA	MINIMUM OUTDOOR AIR CFM
MOD	MODULATING CAPACITY CONTROL
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NPLV	NON-STANDARD PART LOAD VALUE
O.F.	OVER FLOW
O-PWR	OPTIONAL STANDBY POWER
OA	OUTSIDE AIR
OADB	OUTDOOR AIR DRY BULB TEMPERATURE
OAWB	OUTDOOR AIR WET BULB TEMPERATURE
OD	OUTSIDE DIMENSION
OCC	OCCUPIED
OP WT	OPERATING WEIGHT
P.O.C.	POINT OF CONNECTION
P.C.	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PRESS	PRESSURE
PROP	PROPELLER
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH, ABSOLUTE
PSIG	POUNDS PER SQUARE INCH, GAUGE
QTY	QUANTITY
QTY@H/L	QUANTITY AT HEIGHT BY LENGTH
R.A	RETURN AIR
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
REFR	REFRIGERANT
S.A.	SUPPLY AIR
S.A.D.	SEE ARCHITECTURAL DRAWINGS
S.M.	SHEET METAL
S-PWR	STANDBY POWER (LEGALLY REQUIRED)
SCT	SATURATED CONDENSING TEMPERATURE
SD	SMOKE DETECTOR
SENS	SENSIBLE
SST	SATURATED SUCTION TEMPERATURE
ST	STORAGE TANK
T+	TOP ELEVATION
TF	TOP FLAT
TS	TEMPERATURE SENSOR
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS OTHERWISE NOTED
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
VSD	VARIABLE SPEED DRIVE
VCO	VARIABLE VOLUME COOLING ONLY
VR	VARIABLE VOLUME REHEAT
W	WIDTH
WI	WITH
W.A.P.	WALL ACCESS PANEL
WPD	WATER PRESSURE DROP IN FEET WATER COLUMN

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1080 Marina Village Parkway
Suite 501
Alameda, CA 94501-1142

[illegible]

Drawn by	TE
Scale	12" = 1'-0"

M0.02

Drawn by	TE
Scale	12" = 1'-0"

PACKAGED & SPLIT AIR CONDITIONING UNITS																													
TAG		MANUFACTURER & MODEL NO	SERVING	NOM TONS	REFRIGERANT		SUPPLY FAN				COOLING				FILTER			MIN OA (CFM)			ARI EER	SEER	ELECTRICAL				OP WT (LBS)	ACCESSORIES	REMARKS
					TYPE	LBS	CFM	ESP	BHP	HP	OADB QAWB	EDB EWB	LDB LWB	CAP (KBH)		TYPE	DEPTH	MERV	DES	ABS			MCA	MOCP	FLA	V/Φ			
<div>ACI SC-1</div>	<div>ACO SC-1</div>	MTSUBISHI MSY-GL24NA MTSUBISHI MU-Y-GL24NA	SCIENCE BUILDING ROOM 1108	2	410A	--	738	0.1	20 A	-	97	85	55	22.4	22.4	PLT	1*	8	0	0	12.5	20.5	1	15	-	208/1	37	CONDENSATE PUMP, WIRED CONTROLLER, LOW AMBIENT	REUSING EXISTING LINE SET, EXISTING REFRIGERANT IS R-22 AND BEING REPLACED WITH R410A. REPLACE INSULATION ON EXTERIOR SECTIONS OF EXISTING LINE SET.
											68	60	-										17.1	20	13.68	208/1	119		
<div>ACI SC-2</div>	<div>ACO SC-2</div>	MTSUBISHI MSY-GL24NA MTSUBISHI MU-Y-GL24NA	SCIENCE BUILDING ROOM 1138	2	410A	--	738	0.1	20 A	-	97	85	55	22.4	22.4	PLT	1*	8	0	0	12.5	20.5	1	15	-	208/1	37	CONDENSATE PUMP, WIRED CONTROLLER, LOW AMBIENT	REUSING EXISTING LINE SET, EXISTING REFRIGERANT IS R-22 AND BEING REPLACED WITH R410A. REPLACE INSULATION ON EXTERIOR SECTIONS OF EXISTING LINE SET.
											68	60	-										17.1	20	13.68	208/1	119		
<div>ACI SC-3</div>	<div>ACO SC-3</div>	MTSUBISHI MSY-GL24NA MTSUBISHI MU-Y-GL24NA	SCIENCE BUILDING ROOM 2239	2	410A	--	738	0.1	20 A	-	97	85	55	22.4	22.4	PLT	1*	8	0	0	12.5	20.5	1	15	-	208/1	37	CONDENSATE PUMP, WIRED CONTROLLER, LOW AMBIENT	REUSING EXISTING LINE SET, EXISTING REFRIGERANT IS R-22 AND BEING REPLACED WITH R410A. REPLACE INSULATION ON EXTERIOR SECTIONS OF EXISTING LINE SET.
											68	60	-										17.1	20	13.68	208/1	119		
<div>ACI SC-4</div>	<div>ACO SC-4</div>	MTSUBISHI MSY-GL24NA MTSUBISHI MU-Y-GL24NA	SCIENCE BUILDING ROOM 206	2	410A	--	738	0.1	20 A	-	97	85	55	22.4	22.4	PLT	1*	8	0	0	12.5	20.5	1	15	-	208/1	37	CONDENSATE PUMP, WIRED CONTROLLER, LOW AMBIENT	-
											68	60	-										17.1	20	13.68	208/1	119		
<div>ACI MA-1</div>	<div>ACO MA-1</div>	MTSUBISHI MSY-GL24NA MTSUBISHI MU-Y-GL24NA	MATH BUILDING ROOM 2213	2	410A	--	738	0.1	20 A	-	97	85	55	22.4	22.4	PLT	1*	8	0	0	12.5	20.5	1	15	-	208/1	37	CONDENSATE PUMP, WIRED CONTROLLER, LOW AMBIENT, THERMOSTAT ADAPTER	-
											68	60	-										17.1	20	13.68	208/1	119		
<div>ACI MA-2</div>	<div>ACO MA-2</div>	MTSUBISHI MSY-GL24NA MTSUBISHI MU-Y-GL24NA	MATH BUILDING ROOM 126	2	410A	--	738	0.1	20 A	-	97	85	55	22.4	22.4	PLT	1*	8	0	0	12.5	20.5	1	15	-	208/1	37	CONDENSATE PUMP, WIRED CONTROLLER, LOW AMBIENT, THERMOSTAT ADAPTER	REUSING EXISTING LINE SET, EXISTING REFRIGERANT IS R-22 AND BEING REPLACED WITH R410A. REPLACE INSULATION ON EXTERIOR SECTIONS OF EXISTING LINE SET.
											68	60	-										17.1	20	13.68	208/1	119		
<div>FC OD-1</div>	<div>CJ CC-1</div>	MTSUBISHI PKA-A18HA7 MTSUBISHI PU-Y-A18KA7	CORE BUILDING CO 1102	1.5	410A	--	320	0.1	15 A	-	97	85	55	18	18	PLT	1*	8	0	0	9.9	18.5	1	15	-	208/1	29	CONDENSATE PUMP, WIRED CONTROLLER, LOW AMBIENT, THERMOSTAT ADAPTER	-
											68	60	-										11	28	8.8	208/1	100		
<div>ACI CC-2</div>	<div>ACO CC-2</div>	MTSUBISHI PKA-A12HA7 MTSUBISHI PU-Y-A12KA7	COLLEGE COMPLEX 2ND FLOOR - CC 253	1	410A	--	320	0.1	15 A	-	97	85	55	12	12	PLT	1*	8	0	0	12	20.8	1	15	-	208/1	29	CONDENSATE PUMP, WIRED CONTROLLER, LOW AMBIENT	REUSING EXISTING LINE SET. REPLACE INSULATION ON EXTERIOR SECTIONS OF EXISTING LINE SET.
											68	60	-										11	28	8.8	208/1	92		
<div>ACI CC-3</div>	<div>ACO CC-3</div>	MTSUBISHI PKA-A12HA7 MTSUBISHI PU-Y-A12KA7	COLLEGE COMPLEX 3RD FLOOR - Z102	1	410A	--	320	0.1	15 A	-	97	85	55	12	12	PLT	1												

PACKAGED & SPLIT AIR CONDITIONING UNITS ELECTRICAL INFORMATION										
TAG	MANUFACTURER & MODEL NO	SERVING	NOM TONS	ACI - EXISTING INTERIOR CIRCUIT PER AS-BUILTS	ACO - EXISTING ROOF/EXTERIOR CIRCUIT PER AS-BUILTS	(E) ACO AMPS/VOLTS (E) DISCONNECT	NEW ACO AMPS/ DISCONNECT	NEW ACI AMPS/DISCONNECT INDOOR IS POWERED BY OUTDOOR UNIT	ACTION	
ACI SC-1	ACO SC-1	MITSUBISHI MSY-GL24NA MITSUBISHI MUJ-GL24NA	2	ACI1H=L1B-34	ROOF ACO1 = L2A-49	22A, 208V/1/ 30A FUSE?	17 MCA -208V/1 20A MOCP OUTDOOR	1 MCA - 208/1 15A MOCP INDOOR	DISCONNECT AND REMOVE EXISTING 120V CIRCUIT TO INTERIOR UNIT, LABEL BREAKER AS SPARE. PROVIDE LOCAL 2P 208V/1PHASE MAINTENANCE DISCONNECT. ADD NEW 2#14-G IN 3/4" CONDUIT BETWEEN ROOF AND INTERIOR FOR POWER. REPLACE 30A WITH 20A FUSE/HACR ON OUTDOOR UNIT. MAINTAIN HOMERUN.	
ACI SC-2	ACO SC-2	MITSUBISHI MSY-GL24NA MITSUBISHI MUJ-GL24NA	2	ACI2=L1B-34	ROOF ACO2 = L2A-53	22A, 208V/1/ 30A FUSE?	17 MCA -208V/1 20A MOCP OUTDOOR	1 MCA - 208/1 15A MOCP INDOOR	DISCONNECT AND REMOVE EXISTING 120V CIRCUIT TO INTERIOR UNIT, LABEL BREAKER AS SPARE. PROVIDE LOCAL 2P 208V/1PHASE MAINTENANCE DISCONNECT. ADD NEW 2#14-G IN 3/4" CONDUIT BETWEEN ROOF AND INTERIOR FOR POWER. REPLACE 30A WITH 20A FUSE/HACR ON OUTDOOR UNIT. MAINTAIN HOMERUN.	
ACI SC-3	ACO SC-3	MITSUBISHI MSY-GL24NA MITSUBISHI MUJ-GL24NA	2	ACI3=L2A-32	ROOF ACO3 = L2A-57	22A, 208V/1/ 30A FUSE?	17 MCA -208V/1 20A MOCP OUTDOOR	1 MCA - 208/1 15A MOCP INDOOR	DISCONNECT AND REMOVE EXISTING 120V CIRCUIT TO INTERIOR UNIT, LABEL BREAKER AS SPARE. PROVIDE LOCAL 2P 208V/1PHASE MAINTENANCE DISCONNECT. ADD NEW 2#14-G IN 3/4" CONDUIT BETWEEN ROOF AND INTERIOR FOR POWER. REPLACE 30A WITH 20A FUSE/HACR ON OUTDOOR UNIT. MAINTAIN HOMERUN.	
ACI SC-4	ACO SC-4	MITSUBISHI MSY-GL24NA MITSUBISHI MUJ-GL24NA	2	ACI3H=L2A-32	ROOF ACO4 = L2A-81	22A, 208V/1/ 30A FUSE?	17 MCA -208V/1 20A MOCP OUTDOOR	1 MCA - 208/1 15A MOCP INDOOR	DISCONNECT AND REMOVE EXISTING 120V CIRCUIT TO INTERIOR UNIT, LABEL BREAKER AS SPARE. PROVIDE LOCAL 2P 208V/1PHASE MAINTENANCE DISCONNECT. ADD NEW 2#14-G IN 3/4" CONDUIT BETWEEN ROOF AND INTERIOR FOR POWER. REPLACE 30A WITH 20A FUSE/HACR ON OUTDOOR UNIT. MAINTAIN HOMERUN.	
ACI MA-1	ACO MA-1	MITSUBISHI MSY-GL24NA MITSUBISHI MUJ-GL24NA	2	ACI1I = L2A-54	ROOF ACO1 = H2A-10,12	22A, 208V/1/ 30A FUSE?	17 MCA -208V/1 20A MOCP OUTDOOR	1 MCA - 208/1 15A MOCP INDOOR	DISCONNECT AND REMOVE EXISTING 120V CIRCUIT TO INTERIOR UNIT, LABEL BREAKER AS SPARE. PROVIDE LOCAL 2P 208V/1PHASE MAINTENANCE DISCONNECT. ADD NEW 2#14-G IN 3/4" CONDUIT BETWEEN ROOF AND INTERIOR FOR POWER. REPLACE 30A WITH 20A FUSE/HACR ON OUTDOOR UNIT. MAINTAIN HOMERUN.	
ACI MA-2	ACO MA-2	MITSUBISHI MSY-GL24NA MITSUBISHI MUJ-GL24NA	2	ACI2 = L1A-28	ROOF ACO2 = H2A-14,16	22A, 208V/1/ 30A FUSE?	17 MCA -208V/1 20A MOCP OUTDOOR	1 MCA - 208/1 15A MOCP INDOOR	DISCONNECT EXISTING 120V CIRCUIT FEEDING INTERIOR UNIT AND REROUTE TO TCP-MA-1 WITHIN THE ROOM. CONFIRM 120V, 20A BREAKER FROM PANEL. RELABEL. PROVIDE LOCAL 2P 208V/1PHASE MAINTENANCE DISCONNECT. ADD NEW 2#14-G IN 3/4" CONDUIT BETWEEN ROOF AND INTERIOR FOR POWER. REPLACE 30A WITH 20A FUSE/HACR ON OUTDOOR UNIT. MAINTAIN HOMERUN.	
FC CO-1	CU CO-1	MITSUBISHI PKA-A18HA7 MITSUBISHI PUJ-A18NA67	1.5	FCI1 = RH1-39/41	OUTSIDE ON 1ST FLOOR CUJ-1 = RH1-33,35	13A, 208V/1 15A FUSE?	11 MCA -208V/1 15A RECOMMENDED FUSE OUTDOOR (28A MOCP) CONFIRM WITH VENDOR SHOP DRAWINGS	1 MCA - 208/1 15A MOCP INDOOR	DISCONNECT EXISTING 120V CIRCUIT FEEDING INTERIOR UNIT AND REROUTE TO TCP-CO-1 WITHIN THE ROOM. CONFIRM 120V, 20A BREAKER FROM PANEL. RELABEL. PROVIDE LOCAL 2P 208V/1PHASE MAINTENANCE DISCONNECT. ADD NEW 2#14-G IN 3/4" CONDUIT BETWEEN EXTERIOR AND INTERIOR FOR POWER. MAINTAIN HOMERUN.	
ACI CC-2	CU CC-2	MITSUBISHI PKA-A12HA7 MITSUBISHI PUJ-A12NA67	1	UNKNOWN	UNKNOWN	13A, 208V/1 15A FUSE?	11 MCA -208V/1 15A RECOMMENDED FUSE OUTDOOR (28A MOCP) CONFIRM WITH VENDOR SHOP DRAWINGS	1 MCA - 208/1 15A MOCP INDOOR	CONFIRM IF OUTDOOR UNIT FEEDS 208V/1 TO INDOOR UNIT. IF NOT, DISCONNECT AND REMOVE EXISTING 120V CIRCUIT TO INTERIOR UNIT, LABEL BREAKER AS SPARE. PROVIDE LOCAL 2P 208V/1PHASE MAINTENANCE DISCONNECT. ADD NEW 2#14-G IN 3/4" CONDUIT BETWEEN ROOF AND INTERIOR FOR POWER. MAINTAIN HOMERUN.	
ACI CC-3	ACO CC-3	MITSUBISHI PKA-A12HA7 MITSUBISHI PUJ-A12NA67	1	UNKNOWN	UNKNOWN	13A, 208V/1 15A FUSE?	11 MCA -208V/1 15A RECOMMENDED FUSE OUTDOOR (28A MOCP) CONFIRM WITH VENDOR SHOP DRAWINGS	1 MCA - 208/1 15A MOCP INDOOR	CONFIRM IF OUTDOOR UNIT FEEDS 208V/1 TO INDOOR UNIT. IF NOT, DISCONNECT AND REMOVE EXISTING 120V CIRCUIT TO INTERIOR UNIT, LABEL BREAKER AS SPARE. PROVIDE LOCAL 2P 208V/1PHASE MAINTENANCE DISCONNECT. ADD NEW 2#14-G IN 3/4" CONDUIT BETWEEN ROOF AND INTERIOR FOR POWER. MAINTAIN HOMERUN.	
AC SS-4	CU SS-4	MITSUBISHI MSY-GL24NA MITSUBISHI MUJ-GL24NA	2	AC4 WITH NOTE TO FEED FROM CUJ-4 AT ROOF	CUJ4 = RL-3,8,10 ON E3.4	13A, 208V/1 15A FUSE?	17 MCA -208V/1 20A MOCP OUTDOOR	1 MCA - 208/1 15A MOCP INDOOR	NEW OUTDOOR UNIT REQUIRES 20A FUSE/HACR. CONFIRM HOMERUN WIRING IS #12 MIN AND PANEL BREAKER IS 20A, 2 POLE. IF SO, REPLACE 15A/2P DEVICE WITH 20A/2P PROTECTION. CONFIRM IF OUTDOOR UNIT FEEDS 208V/1 TO INDOOR UNIT. IF NOT, DISCONNECT AND REMOVE EXISTING 120V CIRCUIT TO INTERIOR UNIT, LABEL BREAKER AS SPARE. PROVIDE NEW 2#14-G IN 3/4" CONDUIT BETWEEN ROOF AND INTERIOR FOR POWER. PROVIDE LOCAL 2P 208V/1PHASE MAINTENANCE DISCONNECT.	
AC SS-6	CU SS-6	MITSUBISHI PCA-A42KA7 MITSUBISHI PUJ-A42NA67	3.5	UNKNOWN	UNKNOWN	29A, 208V/1 50A FUSE?	25 MCA -208V/1 30A MOCP OUTDOOR	2 MCA - 208/1 15A MOCP INDOOR	CONFIRM THAT OUTDOOR UNIT FEEDS 208V/1P TO INTERIOR, VIA LOCAL 2P MAINTENANCE DISCONNECT. IF NOT, FOLLOW STANDARD DIRECTIONS ABOVE. REPLACE 50A WITH 30A FUSE/HACR ON OUTDOOR UNIT. MAINTAIN HOMERUN. REPLACE BREAKER AT PANEL WITH 30A/2 POLE.	
ALT.1: CC-1	ACO CC-1	MITSUBISHI PKA-A12HA7 MITSUBISHI PUJ-A12NA67	1	UNKNOWN	UNKNOWN	UNKNOWN	11 MCA -208V/1 15A RECOMMENDED FUSE OUTDOOR (28A MOCP) CONFIRM WITH VENDOR SHOP DRAWINGS	1 MCA - 208/1 15A MOCP INDOOR	CONFIRM THE FEED TO EXTERIOR UNIT IS 2#12 MIN AND 15A OR 20A, 2P BREAKER IN PANEL. DISCONNECT AND REMOVE EXISTING 120V CIRCUIT TO INTERIOR UNIT, LABEL BREAKER AS SPARE. PROVIDE LOCAL 2P 208V/1PHASE MAINTENANCE DISCONNECT. ADD NEW 2#14-G IN 3/4" CONDUIT BETWEEN EXTERIOR AND INTERIOR FOR POWER. REPLACE EXISTING FUSE/HACR ON OUTDOOR UNIT WITH NEW. MAINTAIN HOMERUN.	

TEMPERATURE CONTROL PANELS								
TAG	LOCATION	SERVING	DESCRIPTION	ELECTRICAL		OP WT (LBS)	ELECTRICAL REMARKS	REMARKS
				PWR	V/Φ			
<div> <div>TCP</div> <div>MA-1</div> </div>	MATH BUILDING ROOM 126	MINI-SPLITS	CONTROL PANEL	20A	120V/1-Ø-PWR	45	REROUTE EXISTING CIRCUIT FEEDING EXISTING INTERIOR UNIT TO NEW TCP. CONFIRM THAT IT IS FED BY 120V, 20A BREAKER FROM PANEL. RELABEL PANEL SCHEDULE. REFERENCE MATRIX ABOVE.	SEE SPECS 250000
<div> <div>TCP</div> <div>CO-1</div> </div>	CORE BUILDING ROOM 1102	MINI-SPLITS	CONTROL PANEL	20A	120V/1-Ø-PWR	45	REROUTE EXISTING CIRCUIT FEEDING EXISTING INTERIOR UNIT TO NEW TCP. CONFIRM THAT IT IS FED BY 120V, 20A BREAKER FROM PANEL. RELABEL PANEL SCHEDULE. REFERENCE MATRIX ABOVE.	SEE SPECS 250000

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Drawn by	TE
Scale	12" = 1'-0"

M0.03

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[illegible]

Drawn by	TE
Scale	12" = 1'-0"

M0.04

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L-1232 SPLIT SYSTEMS



1080 Marina Village Parkway
Suite 501
Alameda, CA 94501-1142



ISSUES / REVISIONS

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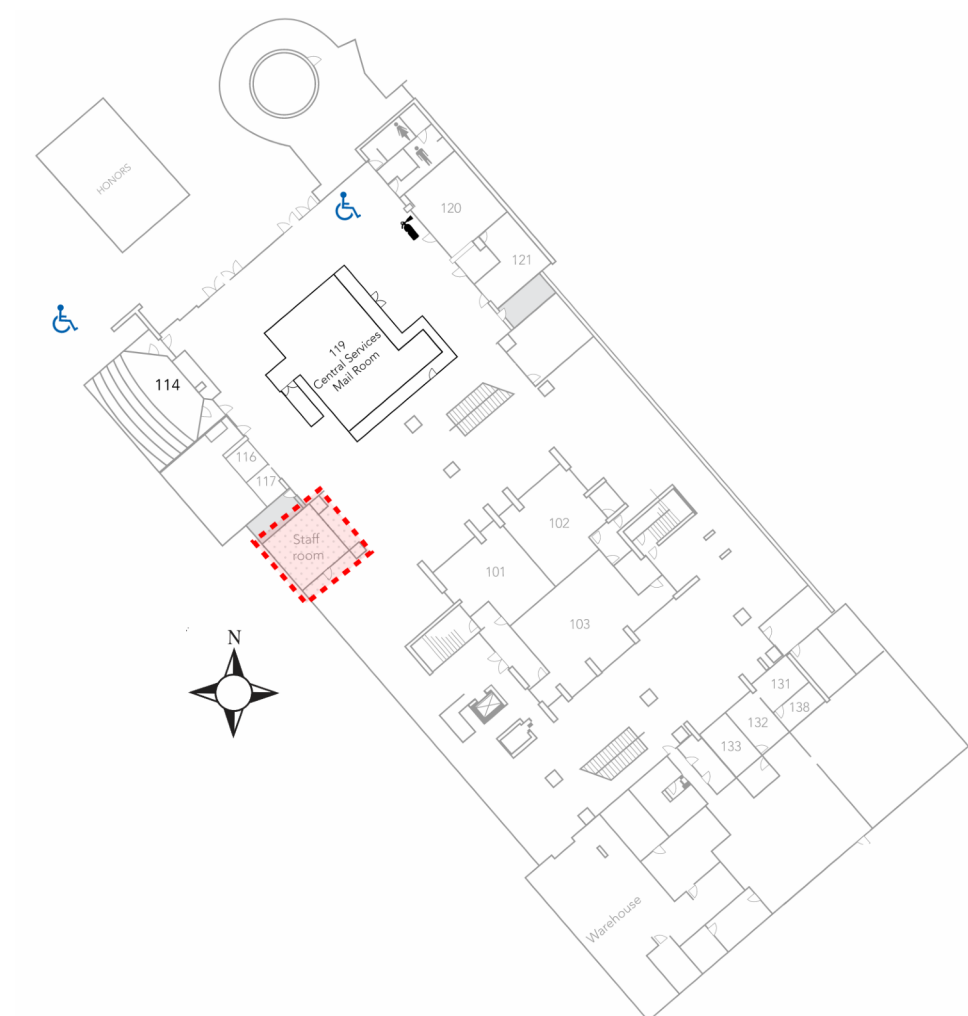
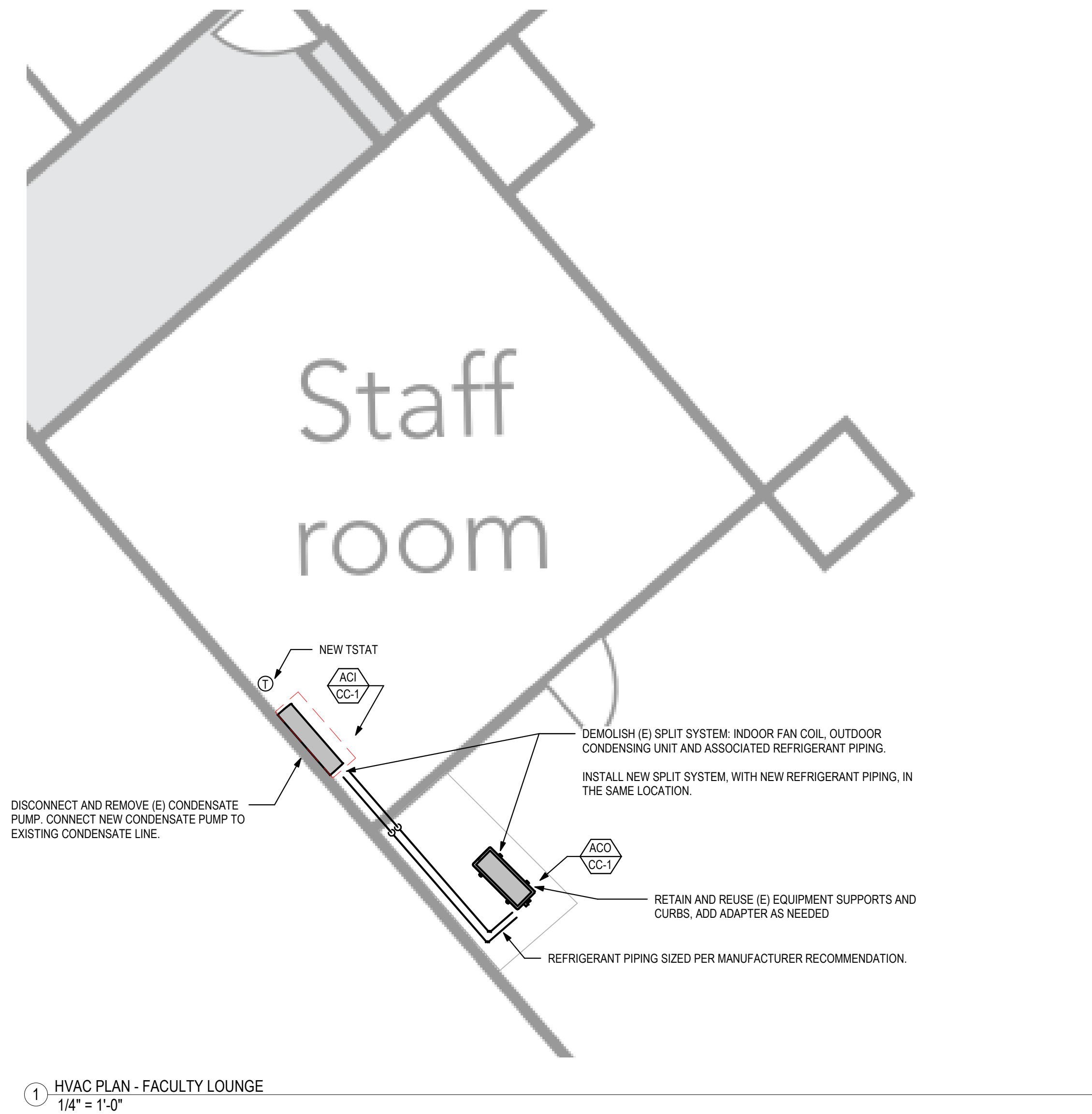
LOS MEDANOS
COLLEGE

Drawn by _____ TE

Scale $1/4" = 1'-0"$

COLLEGE COMPLEX LEVEL 1 PLAN

M2.01CC

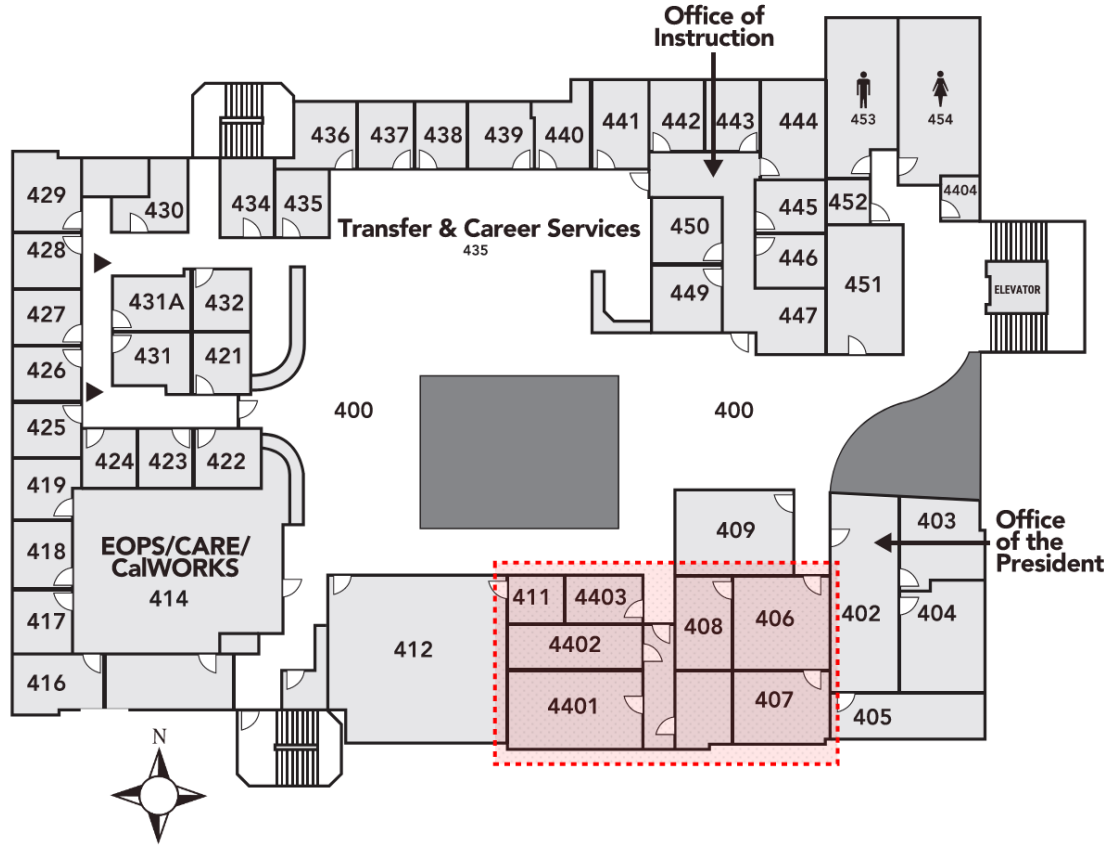


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Drawn by	TE
Scale	1/4" = 1'-0"




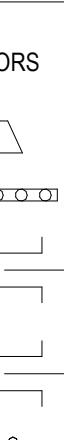

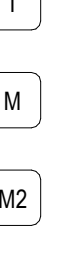




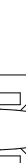
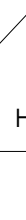










M2.04SS



[illegible]

M4.01



EQUIPMENT (CONT'D)	
	CONTACT (BOXED)
	CONTACT (UNBOXED)
	RELAY (1 CONTACT)
	RELAY (2 CONTACTS)
	SWITCH
	ACCUVALVE
	HEAT EXCHANGER
	LIGHT
SENSORS	
	STATIC PRESSURE TIP
	AFS FAN
	SENSOR WELL
	TEMPERATURE SENSOR & SENSOR WELL
	HUMIDITY SENSOR (RH) OR TEMPERATURE SENSOR (T)
	AVERAGING TEMPERATURE SENSOR
	MODULATING ACTUATOR
	2-POSITION ACTUATOR
DIGITAL POINT	
	HARDWIRED DIGITAL OUTPUT (DO) OR DIGITAL INPUT (DI)
ANALOG POINT	
	HARDWIRED ANALOG OUTPUT (AO) OR ANALOG INPUT (AI)
	NETWORK CONNECTION BETWEEN CONTROLLER AND DEVICE
	FLOW CROSS
	FLOW METER
	CURRENT SWITCH