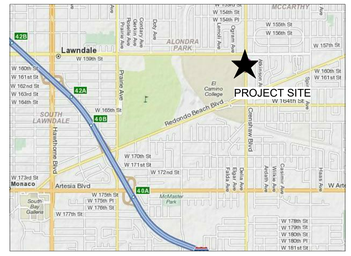
COMPTON COLLEGE

ADMINISTRATION BUILDING RENOVATION

COMPTON COMMUNITY COLLEGE DISTRICT

1111 E. ARTESIA BLVD., COMPTON, CA

DSA BACK-CHECK
08/29/2019



VICINITY MAP

AREA MAP

NORTH

tBP / Architecture

4611 Teller Avenue - Newport Beach - California - 92660
http://www.tbparchitecture.com
ph: 949.673.0300 - fx: 949.732.3895

Architecture
Planning
Interiors

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

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

owner

tBP project number: 20987.00
file name: CC_Admin Remodel_Central.rvt
drawn by: Z. WEN checked by: T. HALL
date: 8.29.2019

rev:	date:	description:

drawing title:
COVER SHEET

drawing no.:
T-1
drawing of

ABBREVIATIONS

&	AND	EA.	EACH
∠	ANGLE	EL	EASEMENT LINE
@	AT	E.J.	EXPANSION JOINT
℄	CENTERLINE	ELEC.	ELECTRICAL
Ø	DIAMETER OR ROUND	ELEV.	ELEVATION
#	NUMBER	EMER.	EMERGENCY
		ENCL.	ENCLOSURE
		ENG	ENGINEER
AB	ANCHOR BOLT	ENGY	ENERGY
AC	ASPHALTIC CONCRETE	ENTR	ENTRANCE
ACT	ACOUSTICAL TILE	EP	EPOXY ENAMEL
ACOUS	ACOUSTICAL	EPG	EPOXY PAINT GLOSS
AD	AREA DRAIN	EPSG	EPOXY PAINT SEMI-GLOSS
ADH	ADHESIVE	EQ.	EQUAL
ADJ	ADJACENT	EQUIP.	EQUIPMENT
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	EST.	ESTIMATE
		E.W.C.	ELECTRIC WATER COOLER
AFF	ABOVE FINISH FLOOR	EWH	ELECTRIC WATER HEATER
AFP	ACCORDIAN FOLDING PARTITION	EXH	EXHAUST
AGGR	AGGREGATE	EXIST., (E)	EXISTING
ALT	ALTERNATE	EXP.	EXPANSION
ALUM	ALUMINUM	EXT.	EXTERIOR
AMP	AMPERE	F	FACTORY FINISH
ANOD	ANODIZED	F.A.	FIRE ALARM
APPROX	APPROXIMATELY	FC	FOOTCANDLE
ARCH	ARCHITECT	F.D.	FLOOR DRAIN
ASB	ASBESTOS	FDC	FIRE DEPARTMENT CONNECTION
ASSY	ASSEMBLY	FDN	FOUNDATION
BAT	BATTERY	F.E.	FIRE EXTINGUISHER
BBD	BULLETIN BOARD	F.E.C.	FIRE EXTINGUISHER CABINET
BD	BOARD	FFP	FOLDING FABRIC PARTITION
BLDG	BUILDING	F.G.	FINISH GRADE
BLKG	BLOCKING	F.H.	FIRE HYDRANT
BLO	BLOWER	FIN.	FINISH
BLR	BOILER	FIN. FLR.	FINISH FLOOR
BLW	BELOW	FLASH.	FLASHING
BM	BEAM	FLR.	FLOOR
BO	BOTTOM OF	FLUOR.	FLUORESCENT
BRKR	BREAKER	F.O.	FACE OF
BUR	BUILT UP ROOF	F.O.C.	FACE OF CONCRETE
BTU	BRITISH THERMAL UNIT	F.O.F.	FACE OF FINISH
		F.O.S.	FACE OF STUD
CAB	CABINET	FPP	FOLDING PANEL PARTITION
CARP	CARPET	FPW	FOLDING PANEL WOOD DOOR
CAT	CATALOG	F.R.A.	FIRE RATED ASSEMBLY
CB	CATCH BASIN	F.R.P.	FIBERGLASS REINFORCED PANEL
CEM	CEMENT	F.S.	FLOOR SINK
CF	CURB FACE	FT.	FOOT OR FEET
CFM	CUBIC FEET PER MINUTE	FTG.	FOOTING
CHBD	CHALKBOARD	FURR.	FURRING
CHEM	CHEMICAL	FXTR	FIXTURE
CHWR	CHILLED WATER RETURN	GA.	GAGE
CHWS	CHILLED WATER SUPPLY	GALV.	GALVANIZED
CI	CAST IRON	GB	GRAB BAR
CIR	CIRCLE	G.F.R.C.	GLASS FIBER REINFORCED CEMENT
CJ	CONTROL JOINT	GL.	GLASS
CL	CENTERLINE	GLU.LAM.	GLUE LAMINATED
CLG	CEILING	GND.	GROUND
CLO	CLOSET	GPM	GALLONS PER MINUTE
CLRM	CLASSROOM	GR.	GRADE
CMT	CERAMIC MOSAIC TILE	G.R.G.	GLASSFIBREFORCED GYPSUM
CMU	CONCRETE MASONRY UNIT	GYP.	GYPSUM
CND	CONDUIT		
CO	CLEANOUT		
COL	COLUMN	H.B.	HOSE BIB
COMM	COMMUNICATION	HCN	HOLLOW CORE NATURAL FINISH
COMP	COMPOSITION	HCP	HOLLOW CORE PAINT FINISH
CONC	CONCRETE	HDBD.	HARDBOARD
CONF	CONFERENCE	HDR	HEADER
CONN	CONNECTION	HDW.	HARDWARE
CONT	CONTINUOUS	HDWD.	HARDWOOD
CONTR	CONTRACTOR	HGT.	HEIGHT
COORD	COORDINATE	H.M.	HOLLOW METAL
CORR	CORRIDOR	HORIZ.	HORIZONTAL
COV	COVER	HP	HORSEPOWER
CP	CONTROL PANEL	HR.	HOUR
CR	CONDENSATE RETURN	HSTAT	HUMIDISTAT
CSWK	CASEWORK	HTG.	HEATING
CT	CERAMIC TILE	HTWR	HOT WATER RETURN
CTV	CABLE TELEVISION	HTWS	HOT WATER SUPPLY
CW	COLD WATER	HVAC	HEATING, VENTILATING, AIR CONDITIONING
DBL	DOUBLE		
DEMO	DEMOLITION	HVY	HEAVY
DEPT	DEPARTMENT	HW	HOT WATER
DET	DETAIL	I.D.	INSIDE DIAMETER
DF	DRINKING FOUNTAIN	INSUL.	INSULATION
DIA	DIAMETER	INT.	INTERIOR
DIM	DIMENSION	INV.	INVERT
DISP.	DISPENSER	IW	IRRIGATION WATER
DIST.	DISTANCE		
DIV.	DIVISION	JAN.	JANITOR
D.L.	DEAD LOAD	JCT.	JUNCTION
DN.	DOWN	JT.	JOINT
DS.	DOWN SPOUT		
DWG.	DRAWING	K	KIP (1000 LB)
		KIT.	KITCHEN
		KO	KNOCKOUT
		KVA	KILOVOLT AMPERE

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

REFERENCE SYMBOLS

SECTION REFERENCE
4 / A3-3
NUMBER ABOVE - SECTION NUMBER
NUMBER BELOW - SHEET NUMBER

ELEVATION REFERENCE
4 / A3-3
NUMBER ABOVE - ELEVATION NUMBER
NUMBER BELOW - SHEET NUMBER

DETAIL REFERENCE
3 / 7.11
NUMBER ABOVE - DETAIL NUMBER
NUMBER BELOW - SHEET NUMBER

ROOM IDENTIFICATION
1 / 4 — 103 / A3-2 — 2 / 3
1 SPACE NUMBER
2 INTERIOR ELEVATION NUMBER
3 SHEET NUMBER OF INTERIOR ELEVATION

INTERIOR ELEVATION IDENTIFICATION
106 — 2
WALL VIEWED
SPACE NUMBER

ACCESSORY IDENTIFICATION
13 — DENOTES TOILET ROOM ACCESSORIES

CASEWORK IDENTIFICATION
HEIGHT 34 / DEPTH 24 / CASEWORK MODEL 102 / WIDTH 48 / LOCK L
HEIGHT
DEPTH
CASEWORK MODEL
WIDTH
LOCK

DOOR IDENTIFICATION
001 — REFER TO DOOR SCHEDULE

WINDOW IDENTIFICATION
10 — REFER TO WINDOW DETAILS

COLOR REFERENCE
LP-1 — REFER TO COLOR SCHEDULE SHEET 9.00

PROJECT DESCRIPTION

- INTERIOR RENOVATION OF APPROXIMATELY 5,026 S.F ON 1ST FLOOR WITH LESS THAN 10% EXISTING SHEAR WALL LENGTH BEING AFFECTED.
- DEMOLITION AND RENOVATION OF RESTROOMS, OFFICE PARTITIONS, CEILINGS, FINISHES, LIGHT FIXTURES, POWER, DATA, FIRE ALARM, AND MECHANICAL DUCTWORK AND REGISTERS.
- REPLACE EXTERIOR WINDOWS AND DOORS.
- REPLACE EXISTING ROOFING
- MECHANICAL & PLUMBING SYSTEMS REPLACEMENT ON 2ND FLOOR.
- REPLACEMENT OF MECHANICAL ROOF TOP UNITS
- RE-CONFIGURATION OF ACCESSIBLE PARKING STALLS
- RE-WORK (E) ACCESSIBLE PATH OF TRAVEL

GENERAL NOTES

ALL WORK TO CONFORM TO 2016 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

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

A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24 CCR). INSPECTOR SHALL HAVE CLASS (3) CERTIFICATION, MINIMUM.

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

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

THE PROVISIONS OF CFC AND CBC CH. 33 SHALL BE ENFORCED ON THIS PROJECT.

APPLICABLE CODES

APPLICABLE CODES AS OF JANUARY 1, 2017:

2016 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

2016 CALIFORNIA BUILDING CODE (C.B.C.), PART 2, TITLE 24 C.C.R.
(2015 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)

2016 CALIFORNIA ELECTRICAL CODE (C.E.C.), PART 3, TITLE 24 C.C.R.
(2014 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)

2016 CALIFORNIA MECHANICAL CODE (C.M.C.), PART 4, TITLE 24 C.C.R.
(2015 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

2016 CALIFORNIA PLUMBING CODE (C.P.C.), PART 5, TITLE 24 C.C.R.
(2015 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

2016 CALIFORNIA ENERGY CODE (C.E.C.), PART 6, TITLE 24 C.C.R.

2016 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.

2016 CALIFORNIA FIRE CODE (C.F.C.), PART 9, TITLE 24 C.C.R.
(2015 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)

2016 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R.
(2015 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)

2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.

2016 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.

TITLE 8 C.C.R., DIVISION 1, CHAPTERS 4 AND 6, ELEVATOR SAFETY ORDERS
(INCLUDING ASME A17.1-2004, SAFETY CODE FOR ELEVATORS AND ESCALATORS)

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

PARTIAL LIST OF APPLICABLE STANDARDS

2016 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAPTER 35

NFPA 13	AUTOMATIC SPRINKLER SYSTEM (CALIFORNIA AMENDED)	2016 EDITION
NFPA 14	STANDPIPE SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2013 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2013 EDITION
NFPA 20	STATIONARY PUMPS 2016 EDITION	
NFPA 24	PRIVATE FIRE SERVICE MAINS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2016 EDITION
NFPA 80	FIRE DOOR AND OTHER OPENING PROTECTIVE	2016 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2006 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CALIFORNIA AMENDED)	2015 EDITION

WALL TYPES

MASONRY WALL

WOOD STUD PARTITION WALL

WHEELCHAIR IDENTIFICATION

30" x 48" CLR. FLOOR SPACE
34" MAX. A.F.F. COUNTERTOP
30"W X 27"H X 19"D CLR. KNEE SPACE MIN.

Statement of General Conformance
FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS,

INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

(Application No. 03-119689 File No. 19-C-1)

☒ The drawings or sheets listed on the cover or index sheet
☒ The drawing, page of specifications/calculations

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

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

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

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

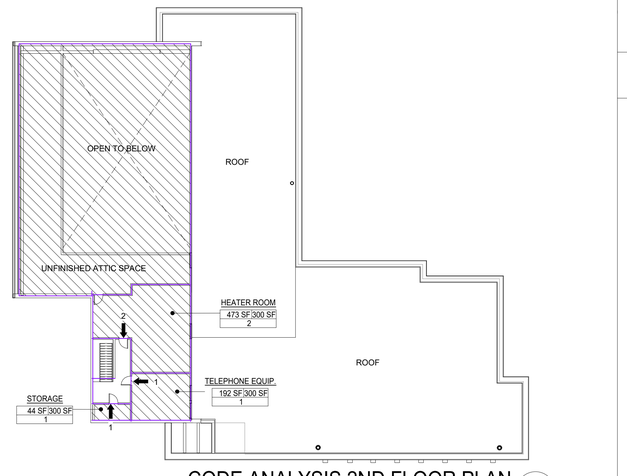
I find that: ☒ All drawings or sheets listed on the cover or index sheet
☐ This drawing or page

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

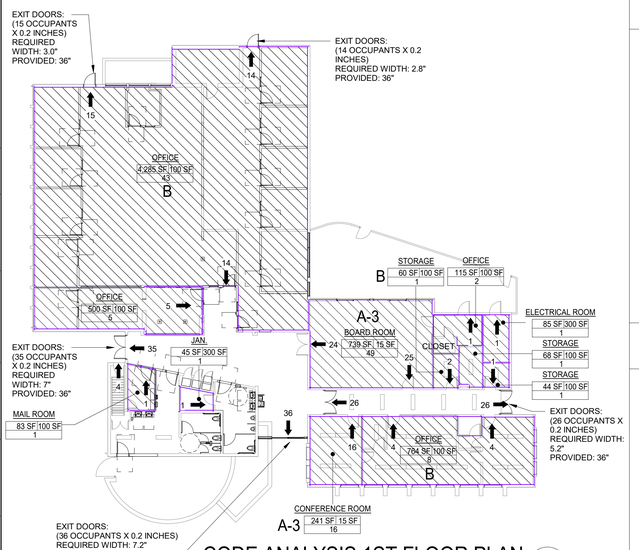
05.14.2019
Signature Date
Architect or Engineer designated to be in general responsible charge
HUNG CHENG
Print Name
C34187 4/30/2021
License Number Expiration Date

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

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



CODE ANALYSIS 2ND FLOOR PLAN 2
SCALE1/16" = 1'-0"



CODE ANALYSIS 1ST FLOOR PLAN 1
SCALE1/16" = 1'-0"

SHEET INDEX

GENERAL DRAWINGS

ARCHITECTURAL DWGS.

ARCH. DETAIL DRAWINGS

STRUCTURAL DRAWINGS

MECHANICAL DRAWINGS

PLUMBING DRAWINGS

ELECTRICAL DRAWINGS

TOTAL NUMBER OF DRAWINGS: 73

PROJECT DIRECTORY

OWNER
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221
T : (310) 900-1600 F : (310) 605-1458

ARCHITECT
tBP/ARCHITECTURE
4611 TELLER AVENUE
NEWPORT BEACH, CA 92660
T : (949) 673-0300 F : (949) 732-3895
CONTACT: HUNG CHENG
EMAIL: HCHENG@TBPARCHITECTURE.COM

STRUCTURAL ENGINEER
VCA ENGINEERS, INC.
2151 MICHELSON DRIVE, SUITE 240
IRVINE, CA 92612
T : (949) 679-0870 F : (949) 679-9370
CONTACT: YOUNG NAM
EMAIL: YOUNG.NAM@VCAENG.COM

PLUMBING AND MECHANICAL ENGINEER
CAPITAL ENGINEERING CONSULTANTS, INC.
11020 SUN CENTER DRIVE, SUITE 100
RANCHO CORDOVA, CA 95670
T : (916) 851-3500 F : (916)631-4424
CONTACT: CHRIS MERCURIO
EMAIL: CMERCURIO@CAPITAL-ENGINEERING.COM

ELECTRICAL ENGINEER
FBA ENGINEERING
150 PAULARINO AVE, SUITE A120
COSTA MESA, CA 92626
T : (949) 852-9995 F : (949) 852-1657
CONTACT: ROBERT J. ROGERS
EMAIL: RROGERS@FBAENGR.COM

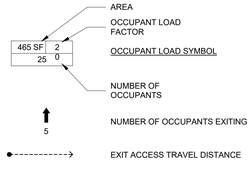
CODE ANALYSIS

EXISTING BUILDING
OCCUPANCY GROUP: B, A-3
CONSTRUCTION TYPE: TYPE V-B, NON SPRINKLERED

ALLOWABLE HEIGHT PER TABLE 504	ALLOWABLE	ACTUAL
NUMBER OF STORIES	2	2
BUILDING HEIGHT	40'-0"	21'-10"

ALLOWABLE BUILDING AREA	
BASIC ALLOWABLE AREA A(t) PER TABLE 506.2	9,000 S.F.
FRONTAGE INCREASE: (I = .5)	4,500 S.F.
SPRINKLER INCREASE:	NOT USED
TOTAL ALLOWABLE AREA A(a)	13,500 S.F.
EXISTING BUILDING AREA	10,204 S.F.

CODE ANALYSIS - LEGEND



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP architecture planning interiors

LICENSED ARCHITECT HUNG CHENG No. C-34187 STATE OF CALIFORNIA

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

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

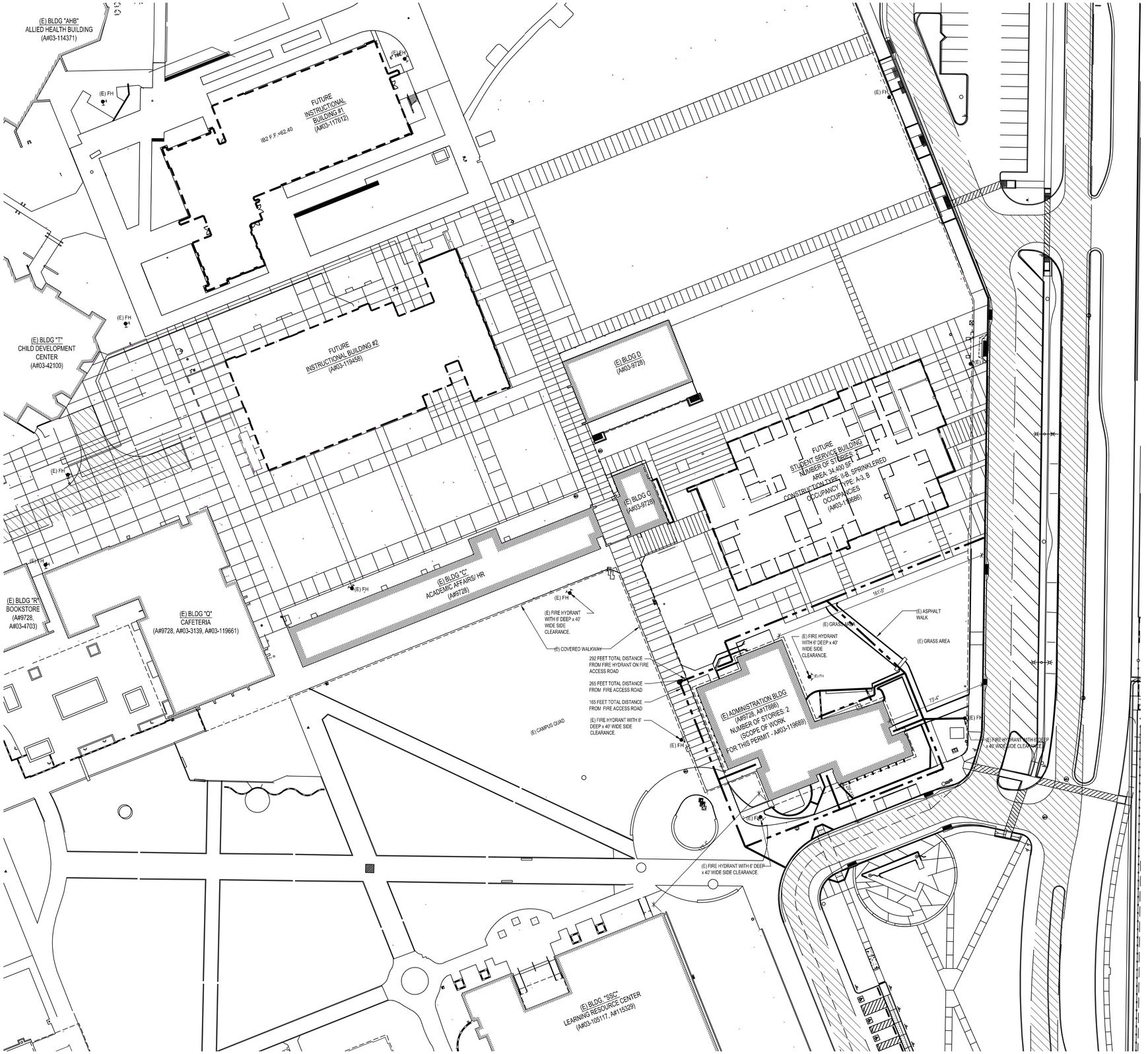
owner

tBP project number: 20987.00
file name: CC_Admin Remodel_Central.rvt
drawn by: Z. WEN checked by: T. HALL
date: 8.29.2019

rev:	date:	description:

drawing title:
SHEET INDEX & CODE ANALYSIS

drawing no.:
T-2
drawing of



FIRE ACCESS SITE PLAN

SCALE:30'-0" = 1'-0"

NORTH

0 15 30 60

FIRE ACCESS AND HYDRANTS

EXISTING (E) 20'-0" WIDE FIRE DEPARTMENT VEHICULAR ACCESS ROADS WITH 13'-6" MINIMUM UNOBSTRUCTED VERTICAL CLEARANCE PER CFC SECTION 503.2.1.

EXISTING FIRE WATER HYDRANT

FIRE FIGHTER ACCESS WALKWAY
5'-0" MINIMUM CLEAR WIDTH

PROJECT DESCRIPTION

- INTERIOR RENOVATION OF APPROXIMATELY 5,026 S.F ON 1ST FLOOR WITH LESS THAN 10% EXISTING SHEAR WALL LENGTH BEING AFFECTED.
- DEMOLITION AND RENOVATION OF OFFICE PARTITIONS, CEILINGS, LIGHT FIXTURES, POWER, DATA, FIRE ALARM, AND MECHANICAL DUCTWORK AND REDIFFERS.
- MECHANICAL & PLUMBING SYSTEMS REPLACEMENT ON 2ND FLOOR.
- REPLACEMENT OF MECHANICAL ROOF TOP UNITS

CODE AND BUILDING DESCRIPTION

LOCAL FIRE AUTHORITY:	CITY OF COMPTON FIRE DEPARTMENT
GOVERNING AUTHORITY:	CALIFORNIA DIVISION OF THE STATE ARCHITECT (DSA)
GOVERNING CODE:	2016 CALIFORNIA FIRE CODE (CFC) INCLUDING APPENDIXES BB, CC, AND D.

BUILDING INFORMATION

AREA:	10,204 SF
CONSTRUCTION TYPE:	V-B
HEIGHT:	2-STORY, 21'-10" HIGH
FIRE PROTECTION:	NON-SPRINKLERED
FIRE ALARM:	FIRE ALARM SYSTEM PER NFPA 72 AND 2016 CBC & CEC.
USE:	MEETING ROOMS AND OFFICES (GROUP A & B OCCUPANCIES)

FIRE ACCESS ROADS ANALYSIS

LOCATION OF FIRE ACCESS ROADS - CFC SECTION 503.1.1

MAXIMUM DISTANCE FROM A FIRE ACCESS ROAD TO ALL PORTIONS OF THE EXISTING ADMINISTRATION BUILDING	
PER SECTION 503.1.1	MAXIMUM DISTANCE AS INDICATED ON SITE PLAN
150 FEET	265 FEET AS INDICATED ON SITE PLAN

LOCATION OF FIRE HYDRANTS - CFC SECTION 507.5.1

MAXIMUM DISTANCE FROM FIRE HYDRANTS ON FIRE ACCESS ROADS TO ALL PORTIONS OF THE EXISTING ADMINISTRATION BUILDING	
PER SECTION 507.5.1	MAXIMUM DISTANCE AS INDICATED ON SITE PLAN
400 FEET	292 FEET AS INDICATED ON SITE PLAN

FIRE ACCESS ROADS SHALL COMPLY WITH CFC CHAPTER 5 AND APPENDIX D AS FOLLOWS:

- 20 FOOT WIDTH PER SECTION 503.2.1.
- 6 FOOT DEEP x 40 FOOT LONG CLEARANCE AT FIRE HYDRANTS PER FIGURE D103.1.
- DEAD-END HAMMERHEAD WITH 20 FOOT WIDE ROAD PER TABLE D103.4 AND FIGURE D103.1.

FIRE ACCESS NOTES

1. THE FIRE DEPARTMENT ACCESS SIGNAGE SHALL BE INSTALLED PRIOR TO COMMENCING THE NEW CONSTRUCTION WORK TO FACILITATE FIRE DEPARTMENT ACCESS DURING CONSTRUCTION. THIS SIGNAGE SHALL ALSO REMAIN IN PLACE UPON COMPLETION OF CONSTRUCTION AND SHALL BE UPDATED AS NEEDED TO FACILITATE FIRE DEPARTMENT ACCESS.
2. FIRE APPARATUS ACCESS ROADS AND WATER SUPPLY FOR FIRE PROTECTION SHALL BE INSTALLED AND MADE SERVICEABLE PRIOR TO AND DURING THE TIME OF CONSTRUCTION EXCEPT WHEN APPROVED ALTERNATIVE METHODS OF PROTECTION ARE PROVIDED. (SEE CFC SECTION 501.4)
3. FIRE DEPARTMENT VEHICULAR ACCESS ROADS MUST BE INSTALLED AND MAINTAINED IN A SERVICEABLE MANNER PRIOR TO AND DURING THE TIME OF CONSTRUCTION. (CFC SECTION 501.4)
4. FIRE DEPARTMENT VEHICULAR ACCESS ROADS SHALL BE HARDSURFACES AND MAINTAINED TO PROVIDE ACCESS BY FIRE APPARATUS AT ALL TIMES. (CFC SECTION 503.2.3)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name:

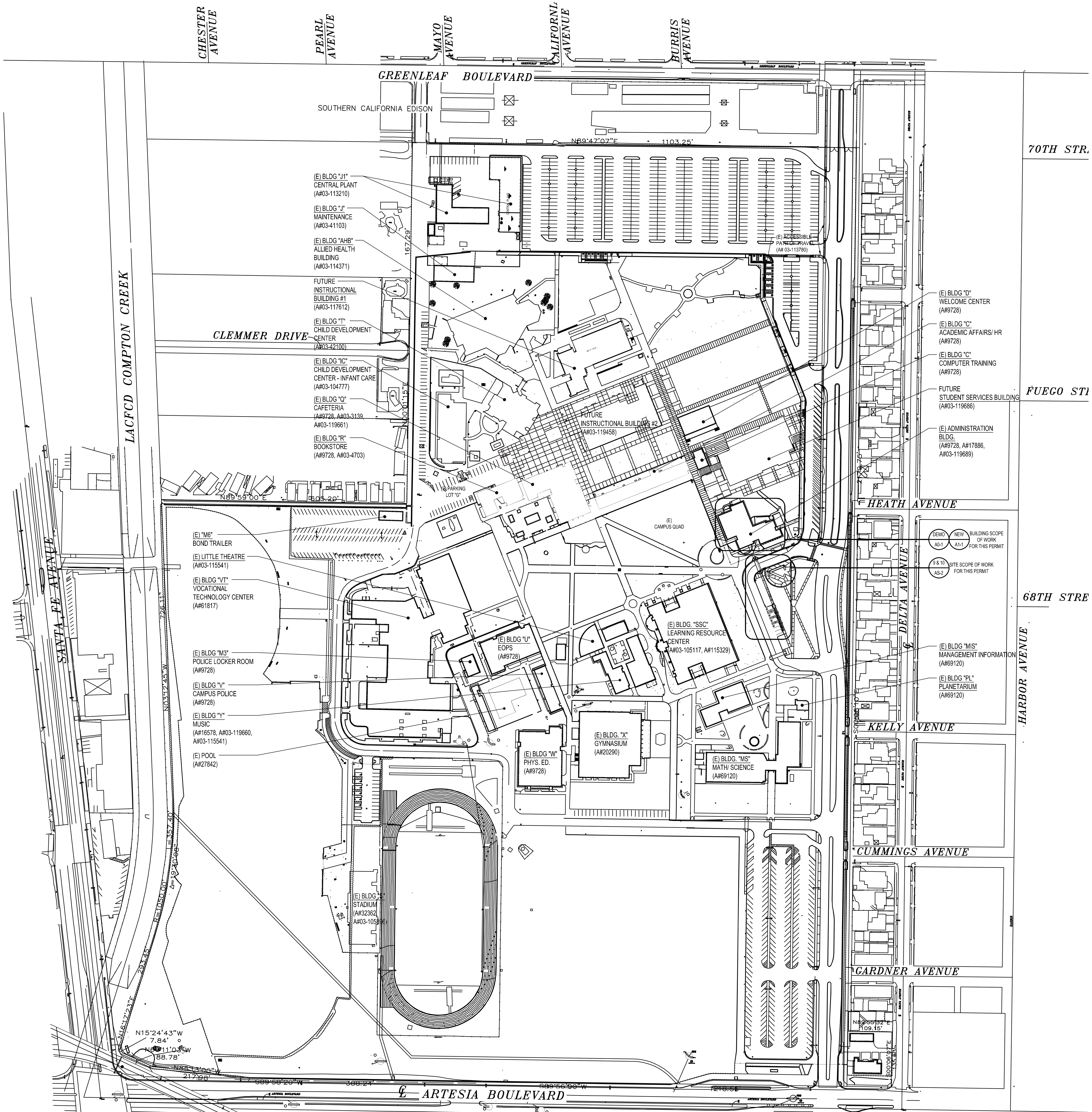
drawn by:E. LINARES checked by: T. HALL

date: 8.29.19

Rev:	date:	description:

drawing title:
FIRE ACCESS
SITE PLAN

drawing no.:
T-3
drawing of



OVERALL SITE PLAN

SCALE: 1" = 100'-0"

NORTH

GENERAL NOTES

1. VERIFY ALL EXISTING & FINISH GRADES, DIMENSIONS & SITE CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
2. ALL GRADING WORK SHALL CONFORM TO APPLICABLE PROVISIONS OF THE CALIFORNIA BUILDING CODE, TITLE 24, AND LOCAL CODES OR ORDINANCES. IN THE EVENT OF CONFLICTING PROVISIONS, ALWAYS CONFORM TO THE STRICTER REQUIREMENTS.
3. DETERMINE NECESSARY SUBGRADE ELEVATIONS AND CONSTRUCT SMOOTH TRANSITIONS BETWEEN FINISHED GRADES. FINISHED GRADE ELEVATIONS ADJACENT TO BUILDING PERIMETERS TO BE 6" BELOW FINISHED FLOOR ELEVATIONS, U.N.O.
4. ALL CONCRETE PAVING TO BE MEDIUM BROOM FINISH UNLESS NOTED OTHERWISE.
5. CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 11B-206.
6. LOCATIONS OF ALL UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
7. COMPLY WITH CALIFORNIA FIRE CODE CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.
8. CONTRACTOR OPERATIONS SHALL NOT BLOCK, HINDER, IMPEDE OR OTHERWISE INHIBIT THE USE OF REQUIRED EXITS AT ANY TIME. CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO FIRE EXTINGUISHERS, FIRE HYDRANTS, TEMPORARY FIRE PROTECTION FACILITIES, STAIRWAYS AND OTHER ACCESS ROUTES FOR FIRE FIGHTING EQUIPMENT AND/OR PERSONNEL.

SITE PLAN LEGEND

POST LIGHT

FH — FIRE HYDRANT

(E) PATH OF TRAVEL TO AREA OF WORK, ACCESSIBLE PARKING, AND PUBLIC WAY

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR THE 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. ARCHITECT HAS VERIFIED P.O.T. IS BARRIER FREE.

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

PATH OF TRAVEL (P.O.T.) AS VERIFIED BY ARCHITECT IS :

- A COMMON BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGED EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL.
- THE PATH SURFACE IS SLIP RESISTANT, STABLE , FIRM AND SMOOTH.
- PASSING SPACES AT LEAST 60"X60" ARE LOCATED NOT MORE THAN 200' APART.
- CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART.
- CROSS-SLOPE DOES NOT EXCEED 2%.
- SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED AS A RAMP.
- MAINTAIN POT FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, PROTRUDING OBJECTS GREATER THAN 4". PROJECTION FROM WALL OR EDGE AND 27" ABOVE FINISH GRADE.

ACCESSIBLE PARKING TABULATION

3 STANDARD ACCESSIBLE STALLS
1 VAN ACCESSIBLE ACCESSIBLE PARKING STALLS
4 TOTAL ACCESSIBLE PARKING STALLS

ABBREVIATIONS

A.D.	AREA DRAIN
C.B.	CATCH BASIN
C.D.	CONDENSATE DRAIN
C.J.	CONTROL JOINT
C.O.	CLEAN OUT
D.S.	DOWNSPOUT
(E)	EXISTING
E.J.	EXPANSION JOINT
F.D.C.	FIRE DEPARTMENT CONNECTION
F.F.	FINISHED FLOOR ELEVATION
F.G.	FINISHED GRADE
F.H.	FIRE HYDRANT
F.L.	FLOW LINE
G.N.V.	GROUND NOT VISIBLE
I.E.	INVERT ELEVATION
M.H.	MANHOLE
(N)	NEW
U.N.O.	UNLESS NOTED OTHERWISE
P.A.	PLANTER AREA
P.D.	PLANTER DRAIN
R.D.	ROOF DRAIN
S.D.	STORM DRAIN
T.C.	TOP OF CURB
TCN	TOP OF CONCRETE
T.G.	TOP OF GRATE
T.W.	TOP OF WALL
W.G.	WALKWAY GUTTER

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

LICENSED ARCHITECT · HUNG L. CHENG · NO. C34187 · REN. 4-30-2? · STATE OF CALIFORNIA

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name:

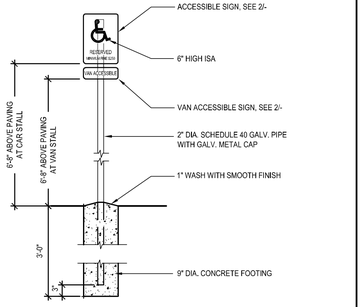
drawn by:E. LINARES checked by: T. HALL

date: 8.29.19

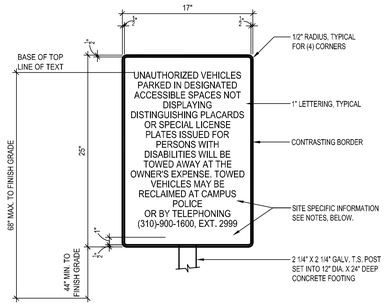
Rev:	date:	description:

drawing title:
OVERALL SITE PLAN

drawing no.:
AS-1
drawing of



ACCESSIBLE PARKING STALL SIGN — SCALE: 3/4" = 1'-0" — 1

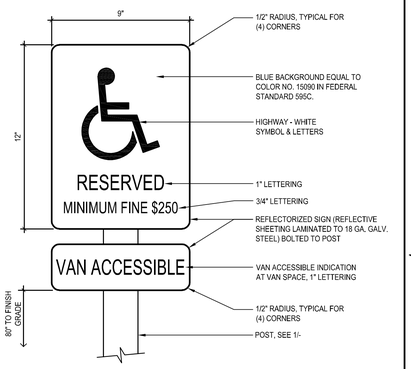


NOTES:

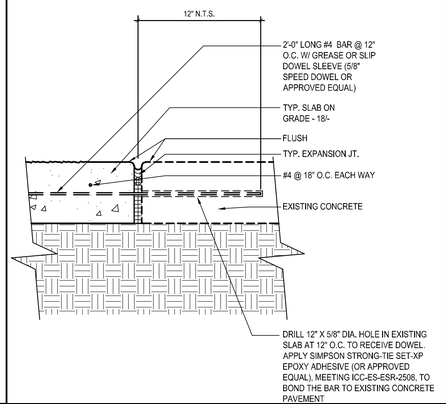
POST SIGN IN CONSPICUOUS PLACE AT THE ENTRANCE TO PARKING AREAS.

CONTRACTOR TO VERIFY ADDRESS AND TELEPHONE NUMBER, WHERE TOWED VEHICLES MAY BE RECLAIMED, WITH LOCAL POLICE AUTHORITY.

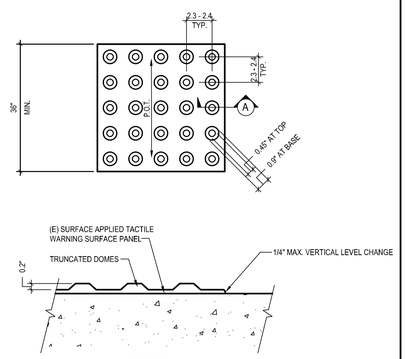
UNAUTHORIZED VEHICLE SIGNAGE — SCALE: 1-1/2" = 1'-0" — 5



ACCESSIBLE PARKING STALL SIGN — SCALE: 3" = 1'-0" — 2

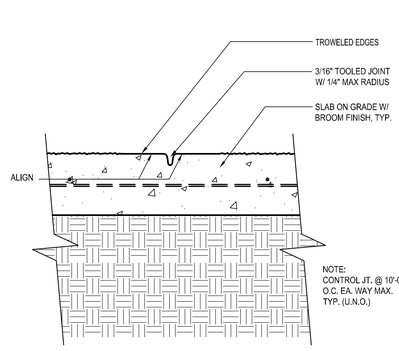


SLAB DOWEL DETAIL - NEW TO EXISTING — SCALE: 3" = 1'-0" — 6

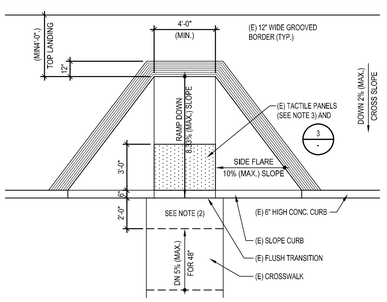


SECTION A

TRUCKATED DOMES DETAIL — SCALE: 3" = 1'-0" — 3



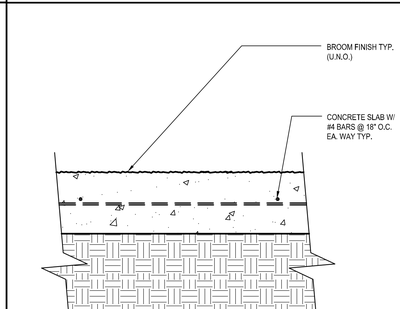
TYPICAL CONTROL JOINT — SCALE: 3" = 1'-0" — 7



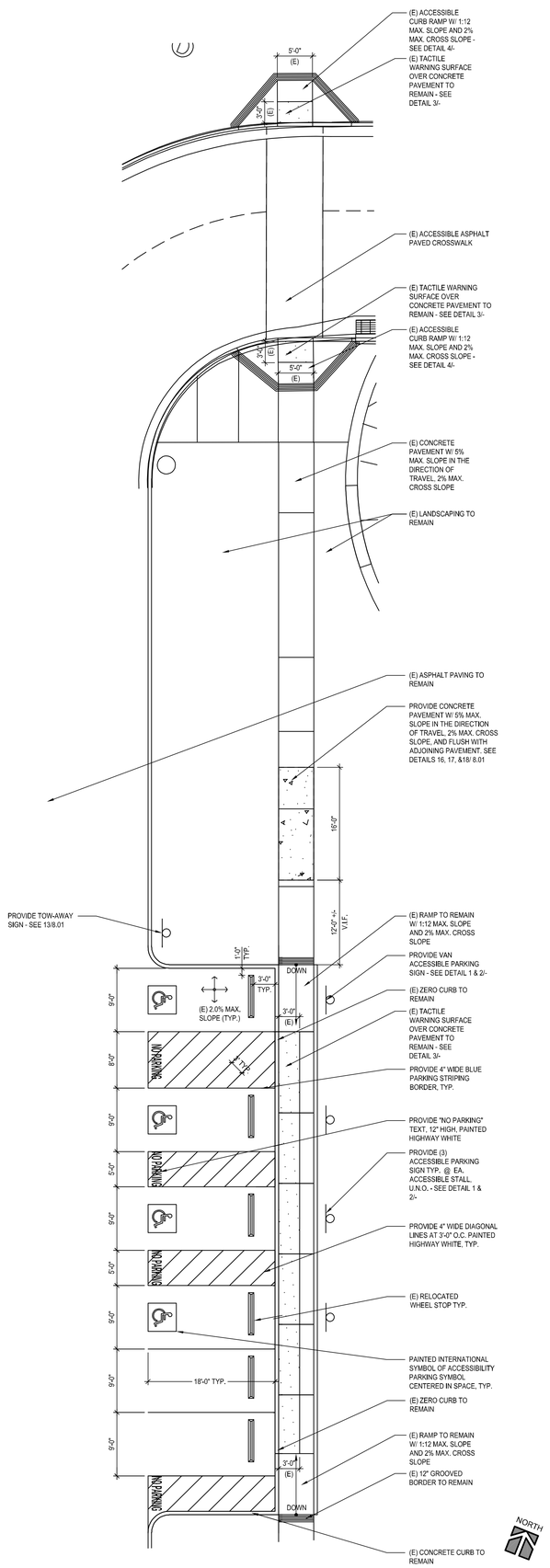
NOTES:

1. CURB RAMPS MAY NOT PROJECT INTO VEHICULAR TRAFFIC LANES OR INTO THE 18' LONG ACCESS AISLE OF ACCESSIBLE PARKING STALL
2. EXISTING 24" WIDE LEVEL AREA AT THE BOTTOM OF THE RAMP
3. (E) SURFACE APPLIED TRUNCATED DOMES AT RAMP SURFACE (EXCLUDING SIDE FLARES) WHEN SERVING CROSSWALKS (NOT REQUIRED WHEN SERVING ACCESSIBLE PARKING SPACES)

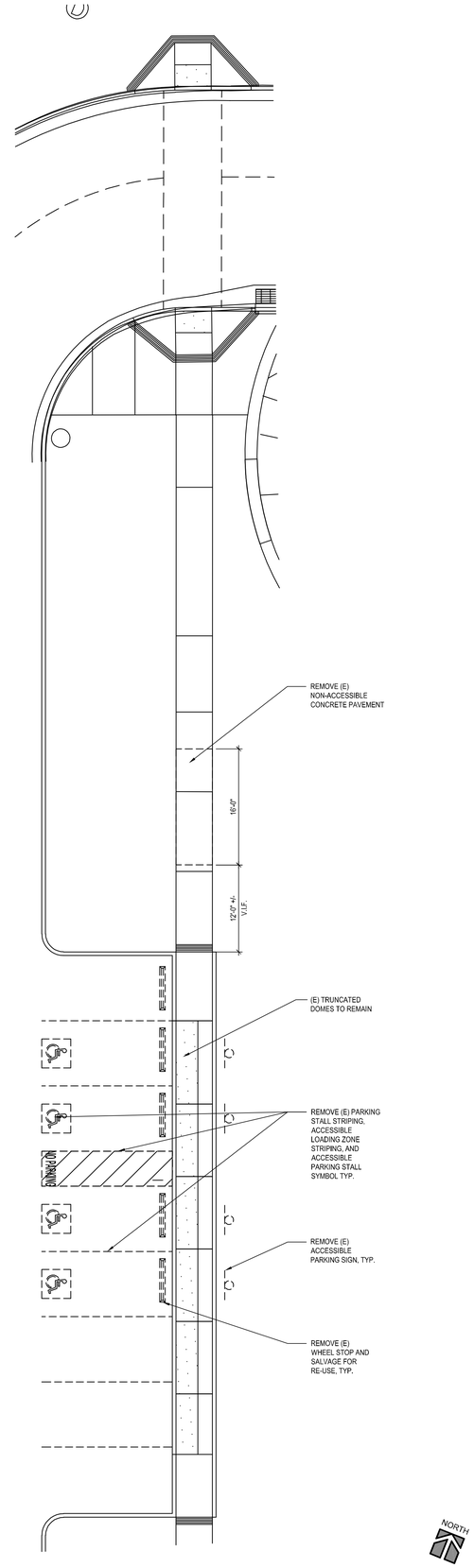
TYP. CURB-CUT RAMP AT 6" HIGH CURB — SCALE: 1/4" = 1'-0" — 4



TYPICAL SLAB ON GRADE — SCALE: 3" = 1'-0" — 8



ENLARGED SITE PLAN - ACCESSIBLE PARKING — SCALE: 1/8" = 1'-0" — 9



ENLARGED DEMOLITION SITE PLAN - ACCESSIBLE PARKING — SCALE: 1/8" = 1'-0" — 10

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE STUDENT SERVICES BLDG.

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

owner

tBP project number : 20987.00

file name:

drawn by: tBP checked by: T. HALL

date: 9.3.2019

Rev:	date:	description:

drawing title:
SITE DETAILS
/ ACCESSIBLE PARKING

drawing no.:
AS-2
drawing of

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP
architecture
planning
interiors

LICENSED ARCHITECT
HUNG L. CHENG
NO. C34187
REN. 4-30-21
STATE OF CALIFORNIA

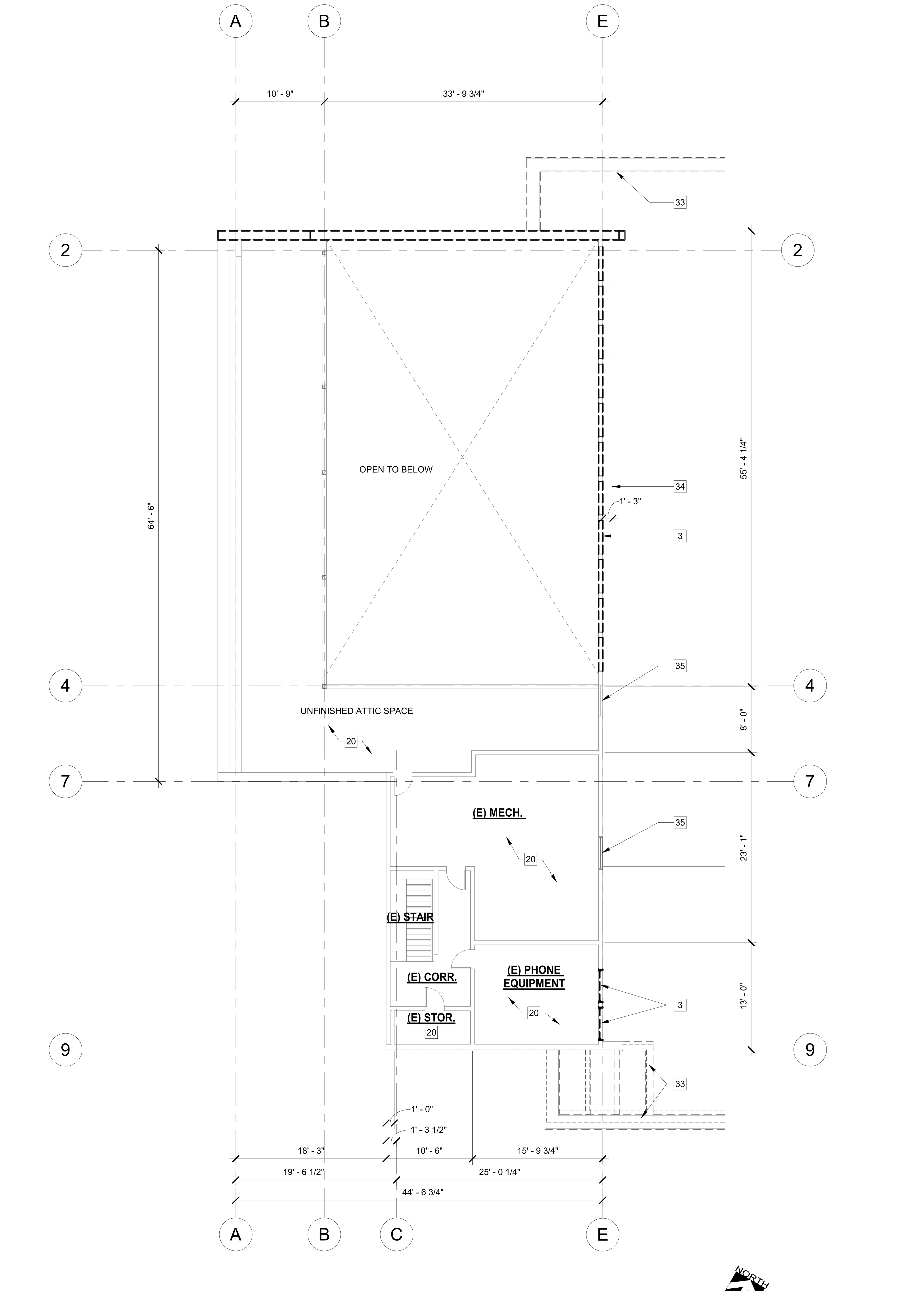
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

consultant

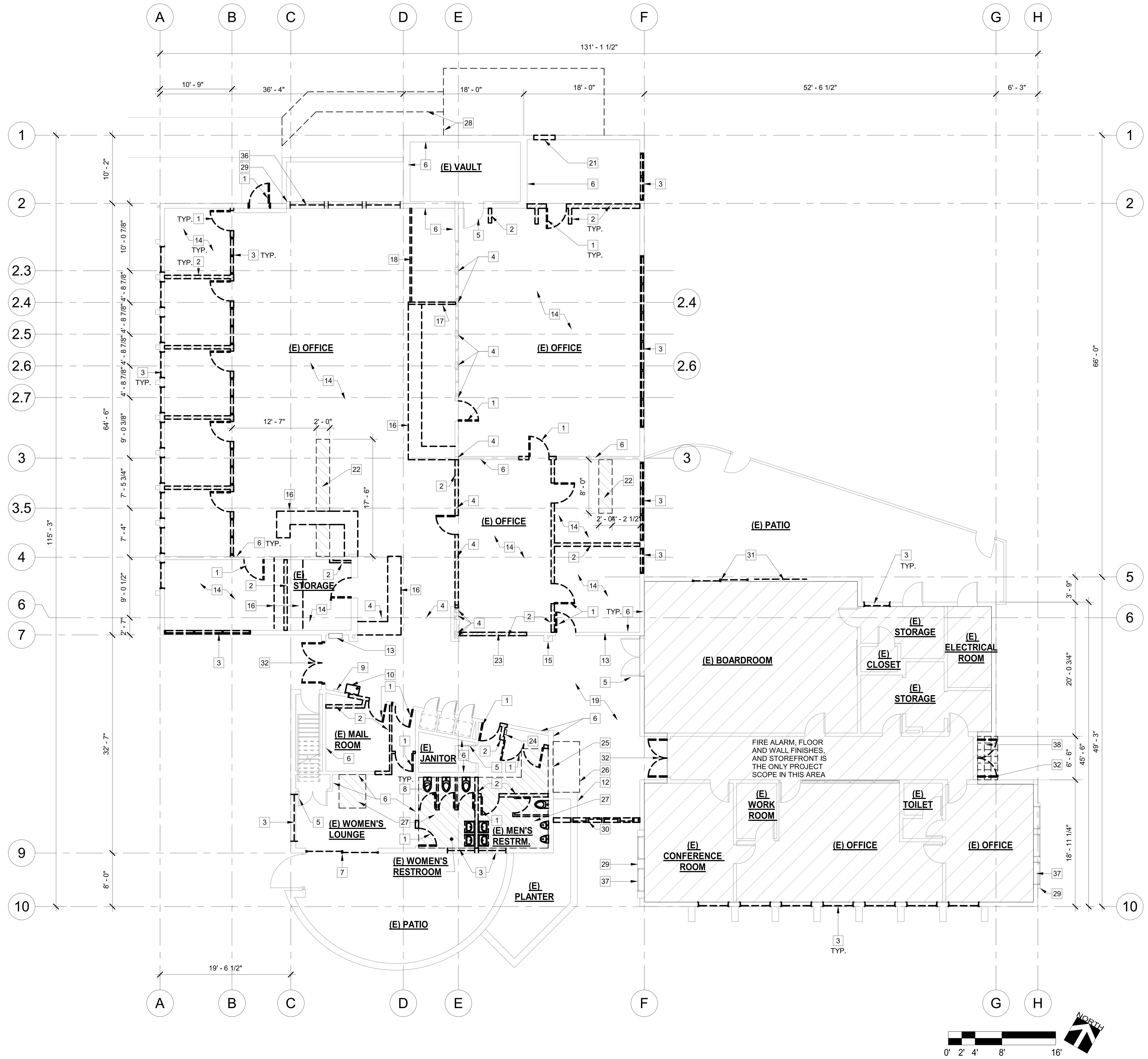
COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner



2ND FLOOR DEMOLITION PLAN 2
SCALE 1/8" = 1'-0"



1ST FLOOR DEMOLITION PLAN 1
SCALE 1/8" = 1'-0"

GENERAL NOTES

1. PREPARE (E) CONCRETE FLOOR SLAB AS REQUIRED TO RECEIVE NEW FLOOR FINISHES PER MANUFACTURER RECOMMENDATIONS. REPAIR CRACKS, PATCH HOLES, INSTALL SELF-LEVELING CONCRETE TO LEVEL UNEVEN SLABS, AND REMOVE ADHESIVES, MASTICS AND MORTAR FOR A PROPER SUBSTRATE, TYP. REFER TO SPECS FOR MITIGATION OF POTENTIAL EXCESSIVE MOISTURE CONTENT IN SLAB.
2. (E) WINDOW HARDWOOD TRIM AT SILL, JAMB AND HEAD TO REMAIN, UNLESS DAMAGED.
3. REMOVE DAMAGED (E) WINDOW HARDWOOD TRIM AT SILL, JAMB AND HEAD AS REQUIRED (V.I.F.) AND PREPARE TO PATCH (E) HARDWOOD TRIM AFTER NEW WINDOWS HAVE BEEN INSTALLED.
4. EXTERIOR (E) WINDOW WOOD CASING TO REMAIN.
5. REMOVE DAMAGED EXTERIOR (E) WINDOW WOOD CASING AS REQUIRED (V.I.F.) AND PREPARE TO PATCH / REPLACE (E) WINDOW WOOD CASING AFTER NEW WINDOWS HAVE BEEN INSTALLED.
6. EXTERIOR (E) OPERABLE LOUVERS AT WINDOWS TO REMAIN, UNLESS DAMAGED.
7. REMOVE (E) INTERIOR AND EXTERIOR SILL, JAMB AND HEAD HARDWOOD / WOOD CASING AS REQUIRED FOR NEW STOREFRONT.
8. REFER TO SHEET T-2 FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS AND DRAFTING SYMBOLS.
9. GENERAL CONTRACTOR IS TO FIELD VERIFY THE EXISTING CONDITIONS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES.
10. REMOVE (E) FLOOR FINISH MASTICS, ADHESIVES, AND MORTAR IN ITS ENTIRETY. PATCH HOLES IN (E) CONCRETE SLAB WHERE OCCURS AND PREPARE (E) CONCRETE SLAB TO RECEIVE NEW FLOOR FINISH IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. IF (E) CONCRETE SLAB HAS CRACKS THAT WILL AFFECT NEW FLOOR FINISH, REMOVE (E) CONCRETE SLAB AS REQUIRED (V.I.F.). IF SLAB REQUIRES SELF-LEVELING CONCRETE TO REPAIR UNEVEN CONCRETE SLAB SUBSTRATE, INSTALL AS REQUIRED FOR FLUSH AND LEVEL FLOOR SUBSTRATE.
11. AT LOCATIONS WHERE (E) PLUMBING PIPING IS TO BE CAPPED IN CONCRETE SLAB, CAP TO BE RECESSED FROM (E) CONCRETE SLAB WITH COVER TO NOT AFFECT NEW FLOOR FINISH. PATCH (E) CONCRETE FLOOR AS REQUIRED.
12. REMOVE (E) CONCRETE SLAB AS REQUIRED FOR ELECTRICAL CONDUIT AND PLUMBING PIPING (REFER TO ELECTRICAL AND PLUMBING DRAWINGS), PATCH AREAS OF REMOVED CONCRETE TO BE FLUSH W/ ADJACENT (E) CONCRETE SLAB. REFER TO STRUCTURAL FOR SLAB PATCH.
13. COORDINATE W/ DISTRICT TO EITHER REMOVE (E) FURNITURE AND DISPOSE, OR TURN OVER TO DISTRICT FOR SALVAGE/ RE-USE.
14. CAREFULLY REMOVE (E) WALL MOUNTED MECHANICAL DIFFUSERS WHERE OCCURS. PATCH (E) GYPSUM BOARD WALL FINISH AS REQUIRED TO MATCH ADJACENT (E) FINISH W/ FLUSH TRANSITION.
15. REMOVE (E) INTERIOR PLASTER AND / OR GYPSUM BOARD FINISH AS REQUIRED TO INSTALL NEW ELECTRICAL AND MECHANICAL OUTLETS, DEVICES, CONTROLS, CONDUIT, AND PIPING. PATCH (E) WALL FINISH TO MATCH ADJACENT (E) FINISH W/ FLUSH TRANSITION.
16. PATCH (E) INTERIOR PLASTER AND/ OR GYPSUM BOARD WALL HOLES WHERE OCCURS TO MATCH ADJACENT (E) FINISH W/ FLUSH TRANSITION.
17. (E) OPENING SILL, JAMB, AND HEAD FRAMING TO REMAIN.
18. REMOVE DAMAGED (E) OPENING FRAMING WHERE OCCURS - V.I.F..
19. REPLACE DAMAGED (E) BRICK VENEER ADJACENT TO OPENINGS WHERE OCCURS - V.I.F..
20. PATCH (E) INTERIOR PLASTER FINISH, AND PREPARE TO RECEIVE NEW FINISH TO MATCH NEW GYPSUM BOARD TEXTURE AND FINISH AS REQUIRED.

DEMOLITION KEYNOTES

1 DEMO (E) DOOR
2 DEMO (E) WALL
3 REMOVE (E) WINDOW AND (E) WINDOW BLINDS / CURTAINS WHERE OCCURS.
4 (E) COLUMN TO REMAIN.
5 (E) DOOR TO REMAIN
6 (E) WALL TO REMAIN, PROTECT IN PLACE.
7 REMOVE (E) SLIDING GLASS DOOR AND PREPARE (E) OPENING TO RECEIVE NEW DOOR AND WALL INFILL.
8 DEMO (E) PLUMBING FIXTURE / TOILET PARTITION
9 (E) FIRE EXTINGUISHER TO REMAIN
10 REMOVE (E) DRINKING FOUNTAIN
11 (E) FIRE ALARM PULL STATION TO REMAIN
12 (E) PLANTER TO REMAIN
13 (E) DISPLAYS TO REMAIN
14 REMOVE (E) VCT FLOORING
15 (E) BRICK VENEER PILASTER TO REMAIN
16 DEMO (E) CASEWORK
17 DEMO (E) 6'-0" HIGH WALL
18 REMOVE (E) RACEWAY
19 (E) TERRAZZO FLOOR TO REMAIN, PREPARE TO BE REFINISHED.
20 REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR DEMOLITION WORK
21 REMOVE PORTION OF (E) WALL AS REQUIRED FOR (N) DOOR OPENING.
22 DEMOLISH (E) CONCRETE SLAB AS REQUIRED TO INSTALL NEW FLOOR OUTLET.
23 CAREFULLY REMOVE (E) MAILBOXES FOR RE-USE IN NEW LOCATION - SEE A1-1 REMODEL FLOOR PLAN FOR LOCATION.
24 REMOVE (E) LADDER UP TO 2ND FLOOR IN ITS ENTIRETY.
25 CAREFULLY PREPARE (E) BRICK VENEER WALL TO RECEIVE (N) ACCESSIBLE HI-LO DRINKING FOUNTAIN.
26 REMOVE (E) FURNITURE.
27 DEMOLISH (E) CONCRETE SLAB AS REQUIRED TO INSTALL NEW PLUMBING.
28 REMOVE (E) BRICK WALKWAY AND STORAGE CONTAINER.
29 (E) EXTERIOR WOOD CASING TO REMAIN.
30 REMOVE (E) AUTO-SLIDING DOOR AND STOREFERONT. PREPARE (E) OPENING TO RECEIVE NEW AUTO-SLIDING STOREFRONT DOOR AND STOREFRONT.
31 REMOVE (E) SLIDING GLASS DOOR AND PREPARE (E) OPENING TO RECEIVE NEW SLIDING GLASS DOOR.
32 REMOVE (E) PAIR GLASS DOORS AND TRANSOM GLAZING. PREPARE (E) OPENING TO RECEIVE NEW PAIR GLASS DOORS AND TRANSOM GLAZING.
33 ROOF DEMOLITION SHOWN FOR REFERENCE, SEE DEMOLITION ROOF PLAN.
34 UPPER ROOF OVERHANG SHOWN FOR REFERENCE.
35 (E) LOUVER TO REMAIN.
36 REMOVE (E) GLASS STOPS AND FIXED GLASS.
37 (E) WINDOW TO REMAIN
38 REMOVE (E) SLATE TILE FLOOR FINISH AND PAVEMENT.

DEMOLITION LEGEND

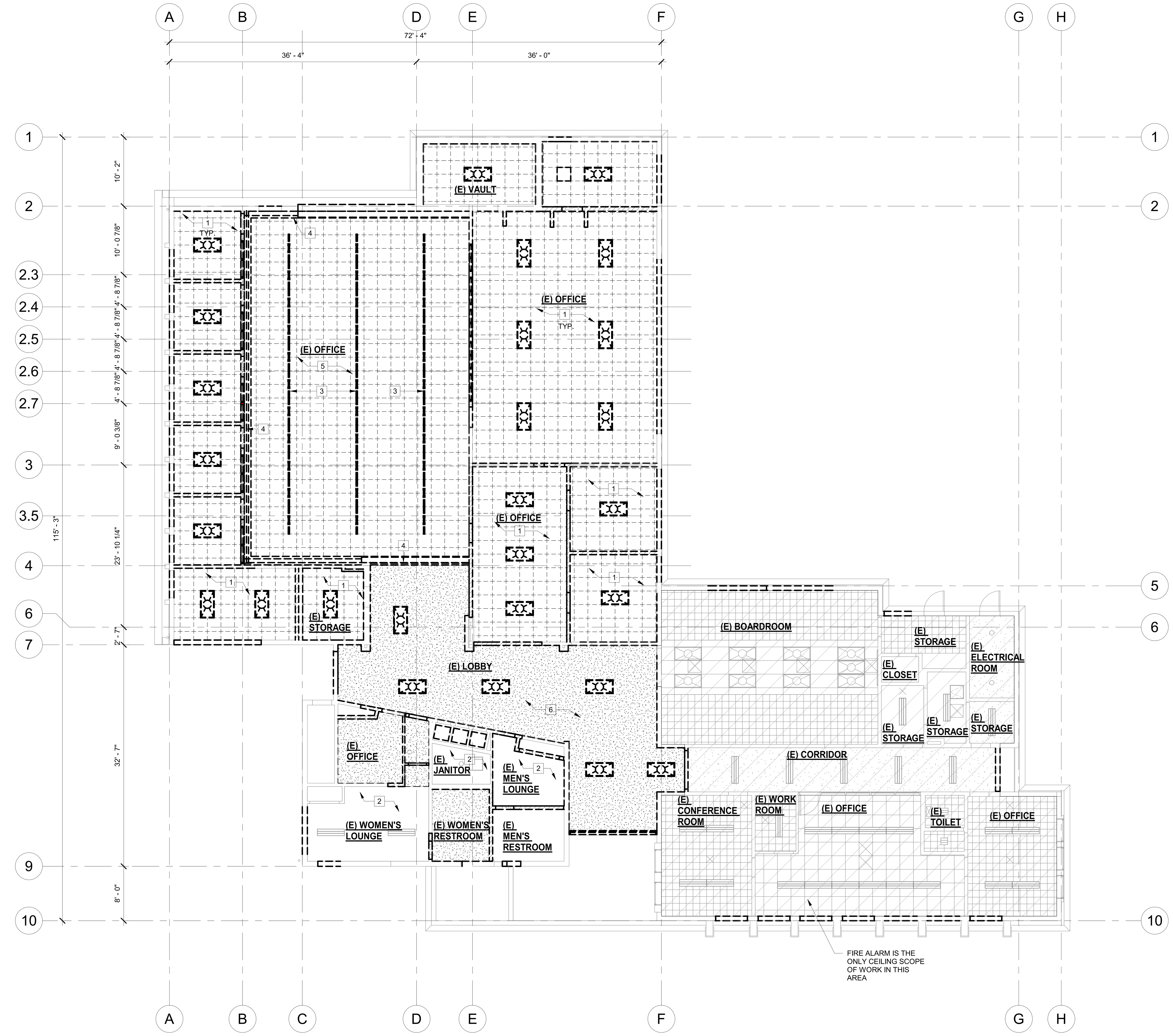
DEMOLISH WALL
(E) WALL TO REMAIN, PROTECT IN PLACE
(E) DOOR TO REMAIN, PROTECT IN PLACE
REMOVE (E) DOOR AND FRAME IN ITS ENTIRETY
REMOVE (E) WINDOW

tBP project number: 20987.00
file name: CC_Admin Remodel_Central.rvt
drawn by: Z. WEN checked by: T. HALL
date: 8.29.2019

rev:	date:	description:

drawing title:
FLOOR PLANS - DEMOLITION

drawing no.:
A0-1
drawing of



REFLECTED CEILING PLAN - 1ST FLR DEMO (1)

SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'

NORTH

GENERAL NOTES

1. REFER TO ELECTRICAL AND MECHANICAL DEMOLITION DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE OF WORK.

DEMO KEYNOTES

1. DEMOLISH (E) ACOUSTICAL TILE CEILING AND LIGHT FIXTURES IN ITS ENTIRETY
2. (E) CEILING TO REMAIN
3. REMOVE (E) LIGHT FIXTURE
4. DEMOLISH (E) WOOD SOFFIT/ TRIM
5. DEMOLISH (E) SLOPING ACOUSTICAL TILE CEILING AND SUSPENDED LIGHT FIXTURES IN ITS ENTIRETY
6. DEMOLISH (E) PLASTER FINISH CEILING IN ITS ENTIRETY

LEGEND

- (E) TILE CEILING TO BE DEMOLISHED
- (E) 12"X12" MINERAL TILE O/ GYP. BD. TO REMAIN
- (E) 24"X24" MINERAL TILE O/ GYP. BD. TO REMAIN
- (E) SUPENDED 2' x 4' ACOUSTIC CEILING TILE TO REMAIN
- (E) GYPSUM BOARD CEILING TO REMAIN
- (E) WALL TO BE DEMOLISHED
- (E) WALL TO REMAIN
- REMOVE (E) LIGHT FIXTURE
- (E) LIGHT FIXTURE TO REMAIN
- (E) LIGHT FIXTURE TO REMAIN
- (E) MECHANICAL REGISTER TO REMAIN
- (E) CEILING ACCESS PANEL TO REMAIN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number: 20987.00

file name: CC_Admin Remodel_Central.rvt

drawn by: Z. WEN checked by: T. HALL

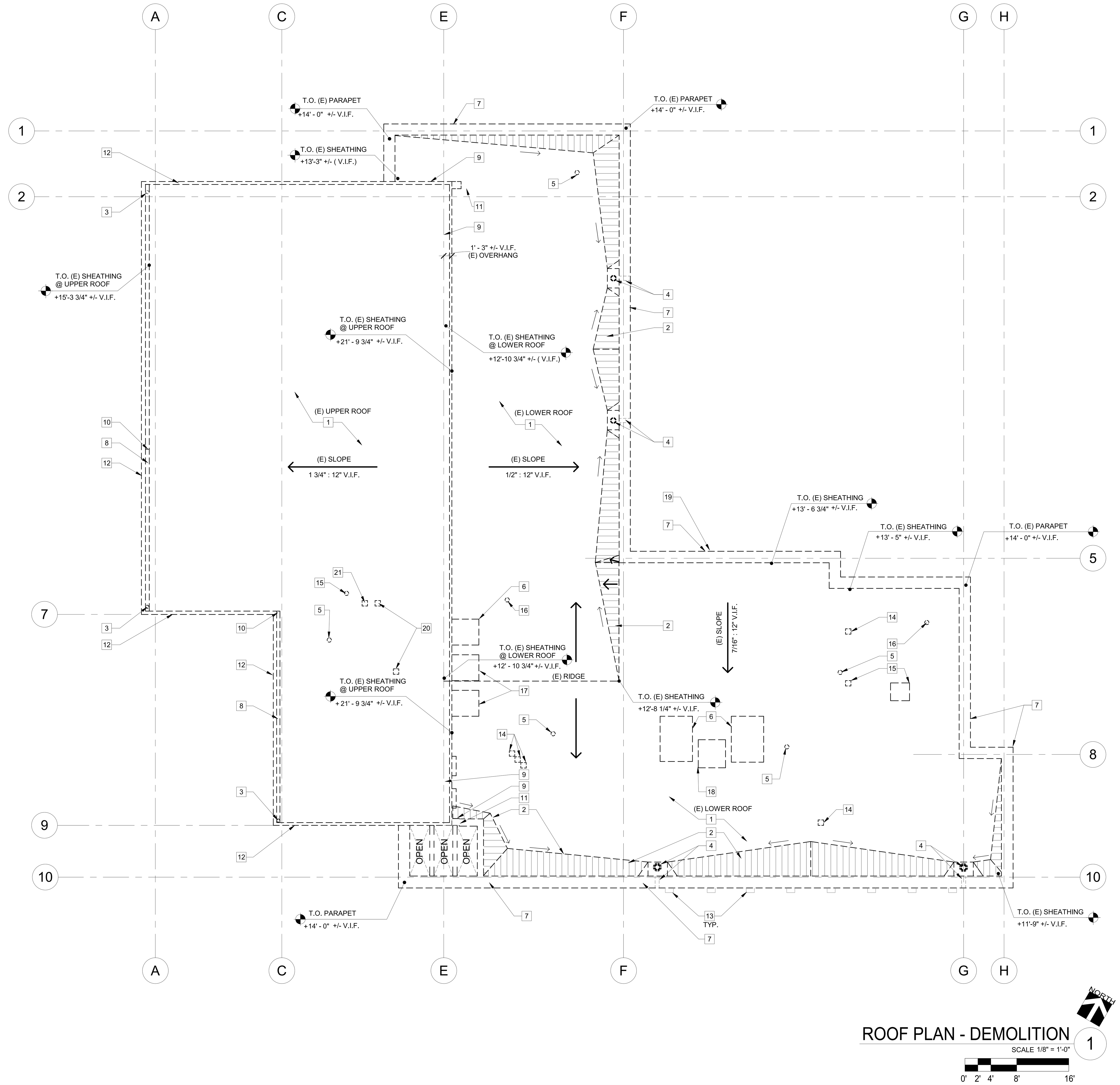
date: 8.29.2019

rev:	date:	description:

drawing title:
REFLECTED CEILING PLAN - DEMOLITION

drawing no.:
A0-2

drawing of



ROOF PLAN - DEMOLITION 1
SCALE 1/8" = 1'-0"
0' 2' 4' 8' 16'

GENERAL NOTES

1. REFER TO T-2 FOR ADDITIONAL GENERAL NOTES, ABBREVIATIONS, AND DRAFTING SYMBOLS.
2. GENERAL CONTRACTOR IS TO FIELD VERIFY THE EXISTING CONDITIONS AND INFORM THE ARCHITECT OF ANY DISCREPANCIES.
3. REMOVE (E) ROOF SHEATHING AND JOISTS AS REQUIRED FOR (N) MECHANICAL EQUIPMENT, DUCT PENETRATIONS, PIPING, AND CONDUIT.
4. REMOVE (E) DAMAGED ROOF FRAMING, SHEATHING, PARAPETS, CRICKETS, AND CURBS WHERE OCCURS, V.I.F. AND PREPARE SUITABLE SUBSTRATE TO RECEIVE (N) ROOFING SYSTEM.
5. PROTECT IN PLACE (E) ROOF FRAMING AND SHEATHING THAT IS SUITABLE TO RECEIVE NEW SINGLE-PLY TPO ROOFING.
6. REMOVE (E) WOOD SLEEPERS FOR ROOF MOUNTED PIPE AND CONDUIT, TYP.
7. REMOVE (E) ATTIC VENTS BELOW ROOF AND AT ROOF SOFFITS (TYP.) AND PREPARE TO RECEIVE (N) ATTIC VENTS.
8. REMOVE (E) ELECTRICAL CONDUIT MOUNTED ON (E) ROOF AND PARAPET, TYP.

DEMOLITION KEYNOTES

1	DEMOLISH (E) ROOFING AND UNDERLAYMENT DOWN TO (E) SHEATHING.
2	DEMOLISH (E) ROOFING AND UNDERLAYMENT DOWN TO (E) SHEATHING AT (E) ROOF CRICKETS .
3	(E) DOWNSPOUT BELOW ROOF TO REMAIN. REMOVE (E) DOWNSPOUT CONNECTION TO (E) GUTTER AT ROOF.
4	(E) ROOF DRAIN AND SCUPPER, REMOVE.
5	(E) VENT PIPE BELOW ROOF TO REMAIN. REMOVE VENT PIPE ABOVE ROOF & PREPARE (E) PIPE TO RECEIVE (N) PIPE EXTENSION, SO VENT PIPE IS 8" MIN. ABOVE (N) ROOF FINISH SURFACE ELEVATION.
6	REMOVE (E) MECHANICAL UNIT AND SALVAGE FOR RE-USE. REPLACE (E) MECHANICAL UNIT CURB AS REQUIRED - V.I.F..
7	(E) METAL COPING, REMOVE.
8	(E) BUILT-IN GALVANIZED METAL GUTTER, REMOVE.
9	REMOVE (E) ROOF FLASHING ALONG BUILDING WALL AND PROTECT IN PLACE (E) CEMENT PLASTER TO REMAIN.
10	HIGHPOINT OF (E) GUTTER.
11	(E) SLOPED WALL TO REMAIN, PROTECT IN PLACE.
12	(E) EDGE FLASHING, REMOVE.
13	(E) MTL. COPING AT BRICK PILASTERS BELOW TO REMAIN.
14	REMOVE (E) EXHAUST VENT AND PREPARE (E) ROOF OPENING TO RECEIVE (N) EXHAUST VENT.
15	REMOVE (E) GRAVITY VENT AND PREPARE (E) ROOF OPENING TO RECEIVE (N) GRAVITY VENT.
16	REMOVE (E) ELECTRICAL J-BOX. REMOVE (E) CONDUIT ABOVE ROOF AND PREPARE (E) CONDUIT TO RECEIVE (N) CONDUIT EXTENSION SO CONDUIT IS 8" MIN. ABOVE (N) ROOF FINISH SURFACE ELEVATION.
17	REMOVE (E) MECHANICAL UNIT. REPLACE (E) MECHANICAL UNIT CURB AS REQUIRED - V.I.F..
18	REMOVE (E) MECHANICAL EXHAUST FAN AND SALVAGE FOR RE-USE. REPLACE (E) MECHANICAL UNIT CURB AS REQUIRED - V.I.F..
19	REMOVE (E) POLE MOUNTED LIGHT FIXTURE AND SALVAGE FOR RE-USE.
20	REMOVE (E) FURNACE VENTS.
21	REMOVE (E) HOT WATER HEATER VENT.

DEMOLITION ROOF LEGEND

	ROOF CRICKET
	(E) ROOF COPING TO BE REMOVED
	ROOF FINISH TO BE REMOVED
	ROOF SLOPE DOWN DIRECTION
D.S.	DOWNSPOUT
R.D.	ROOF DRAIN AND SCUPPER

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

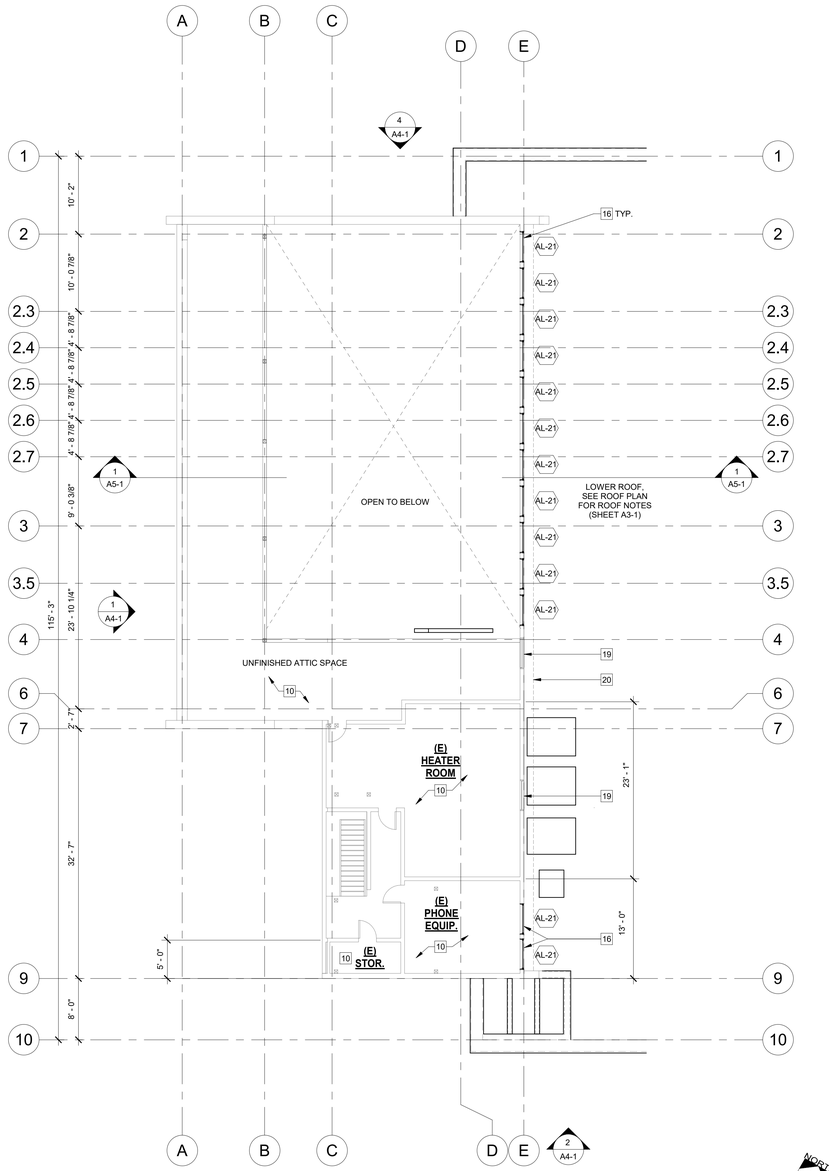
tBP project number: 20987.00
file name: CC_Admin Remodel_Central.rvt
drawn by: Z. WEN checked by: T. HALL
date: 8.29.2019

rev:	date:	description:

drawing title:
ROOF PLAN - DEMOLITION

drawing no.:
A0-3

drawing of

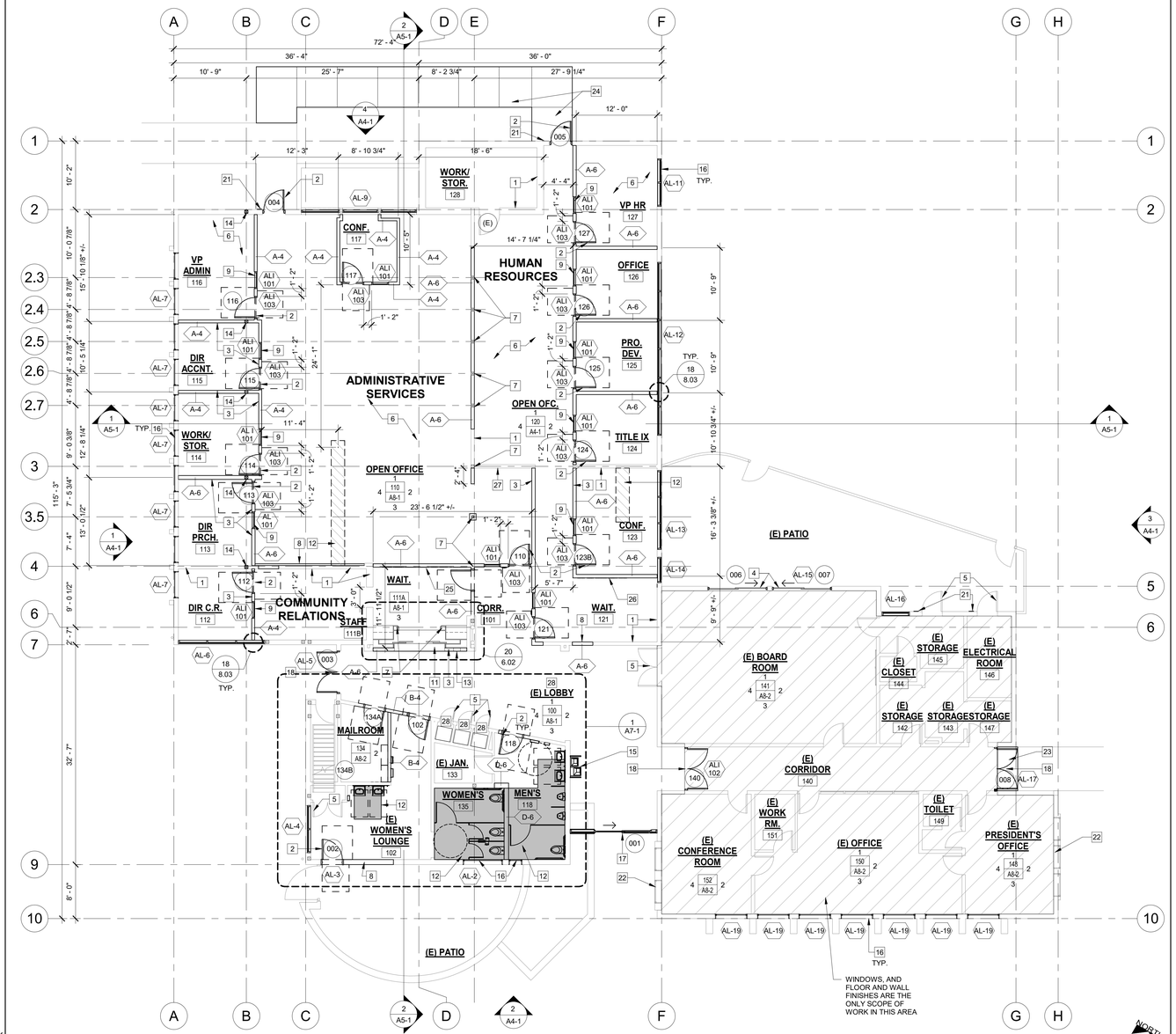


2ND FLOOR PLAN - RENOVATION

SCALE 1/8" = 1'-0"

2

0' 2' 4' 8' 16'



1ST FLOOR PLAN - RENOVATION

SCALE 1/8" = 1'-0"

1

0' 2' 4' 8' 16'

GENERAL NOTES

1. PAINT ALL EXPOSED STEEL COLUMNS, BEAMS AND BRACES, REFER TO FINISH SCHEDULE.
2. (E) WINDOW HARDWOOD TRIM AT SILL, JAMB AND HEAD TO REMAIN.
3. PROVIDE AND/ OR PATCH WINDOW HARDWOOD TRIM AT SILL, JAMB AND HEAD AS REQUIRED AT DAMAGED LOCATIONS (V.I.F.) AFTER WINDOWS HAVE BEEN INSTALLED.
4. PROVIDE AND/ OR PATCH EXTERIOR (E) WINDOW WOOD CASING AS REQUIRED AT DAMAGED LOCATIONS (V.I.F.) AFTER WINDOWS HAVE BEEN INSTALLED
5. EXTERIOR (E) OPERABLE LOUVERS AT WINDOWS TO REMAIN.

KEYNOTES

1. (E) PARTITION TO REMAIN
2. PROVIDE DOOR AND DOOR FRAME
3. PROVIDE NON-BEARING PARTITION PER 10/4.01
4. PROVIDE SLIDING GLASS DOOR IN (E) OPENING
5. (E) DOOR TO REMAIN
6. PROVIDE FLOORING, REFER TO FINISH SCHEDULE
7. (E) COLUMN TO REMAIN
8. INFILL (E) OPENING W/ EXT. WALL TO ALIGN W/ ADJ. (E) EXT. WALL 14/S1-3
9. PROVIDE SIDELITE WITH TRANSOM, SEE WINDOW SCHED., SHEET 8.00
10. REFER TO MECH., PLUMBING AND ELECT. DRAWINGS FOR REMODEL WORK
11. RELOCATED MAILBOXES
12. INFILL SLAB (SHOWN SHADED) AS REQUIRED FOR PLUMBING CODE TO BE FLUSH WITH ADJACENT (E) SLAB 7/S4-1
13. NEW FIRE EXTINGUISHER
14. NEW WOOD COL. PER STRUCTURAL DET. 5/S4-1
15. NEW ACCESSIBLE HI-LO DRINKING FOUNTAIN W/ GRAB BARS PER 18/6.01
16. PROVIDE REPLACEMENT WINDOW IN (E) OPENING AND PATCH WALL AS REQUIRED
17. PROVIDE AUTO-SLIDING STOREFRONT DOOR & STOREFRONT IN (E) OPENING, CONNECT AUTO-SLIDING DOOR TO (E) WIRING.
18. PROVIDE REPLACEMENT STOREFRONT SYSTEM W/ PAIR GLASS DOORS & TRANSOM GLAZING IN (E) OPENING.
19. (E) MECHANICAL LOUVER TO REMAIN.
20. UPPER ROOF OVERHANG SHOWN FOR REFERENCE.
21. PROVIDE SIGNAGE - REFER TO SIGNAGE FLOOR PLAN A11-1.
22. (E) WINDOW OPENING TO REMAIN
23. PROVIDE 6'-0" X 6'-0" CONCRETE LEVEL LANDING NOT TO EXCEED 2% CROSS SLOPE AND LEVEL CHANGE NOT TO EXCEED 1/4". LANDING TO BE FLUSH AND DOWELED TO (E) ADJACENT PAVEMENT. REFER TO DETAILS 6, 7, & 8/AS-2.
24. PROVIDE 6'-0" X 6'-0" CONCRETE LEVEL LANDING AT DOOR NOT TO EXCEED 2% CROSS SLOPE WITH LEVEL CHANGE NOT TO EXCEED 1/4". PROVIDE CONCRETE SIDEWALK NOT TO EXCEED 2% CROSS SLOPE AND 5% SLOPE IN THE DIRECTION OF TRAVEL - DOWEL TO (E) ADJACENT PAVEMENT. REFER TO DETAILS 6, 7, & 8/AS-2.
25. PROVIDE SIGNAGE - SEE DETAIL 20/11.02.
26. PROVIDE SIGNAGE - SEE DETAIL19/11.02.
27. PROVIDE SIGNAGE - SEE DETAIL18/11.02.
28. REFINISH (E) TERAZZO FLOOR FINISH.

LEGEND

NOTE: REFER TO SHEET T-2 FOR ADDITIONAL SYMBOLS

- PT-1 — MATERIAL TYPE
- A-4 — WALL TYPE, SEE SHEET 4.01
- 1i — WINDOW TYPE, SEE WINDOW SCHEDULE (SHEET 8.00)
- 000 — DOOR NUMBER, SEE DOOR SCHEDULE (SHEET 8.00)
- (E) PARTITION TO REMAIN
- PROVIDE PARTITION
- PROVIDE WINDOW
- 4 / 3 A-201 1 / 2 — ELEVATION TAG, SHEET NUMBER
- Room name 101 RM. # — ROOM SYMBOL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP
architecture
planning
interiors

LICENSED ARCHITECT STATE OF CALIFORNIA

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number: 20987.00

file name: CC_Admin Remodel_Central.rvt

drawn by: Z. WEN checked by: T. HALL

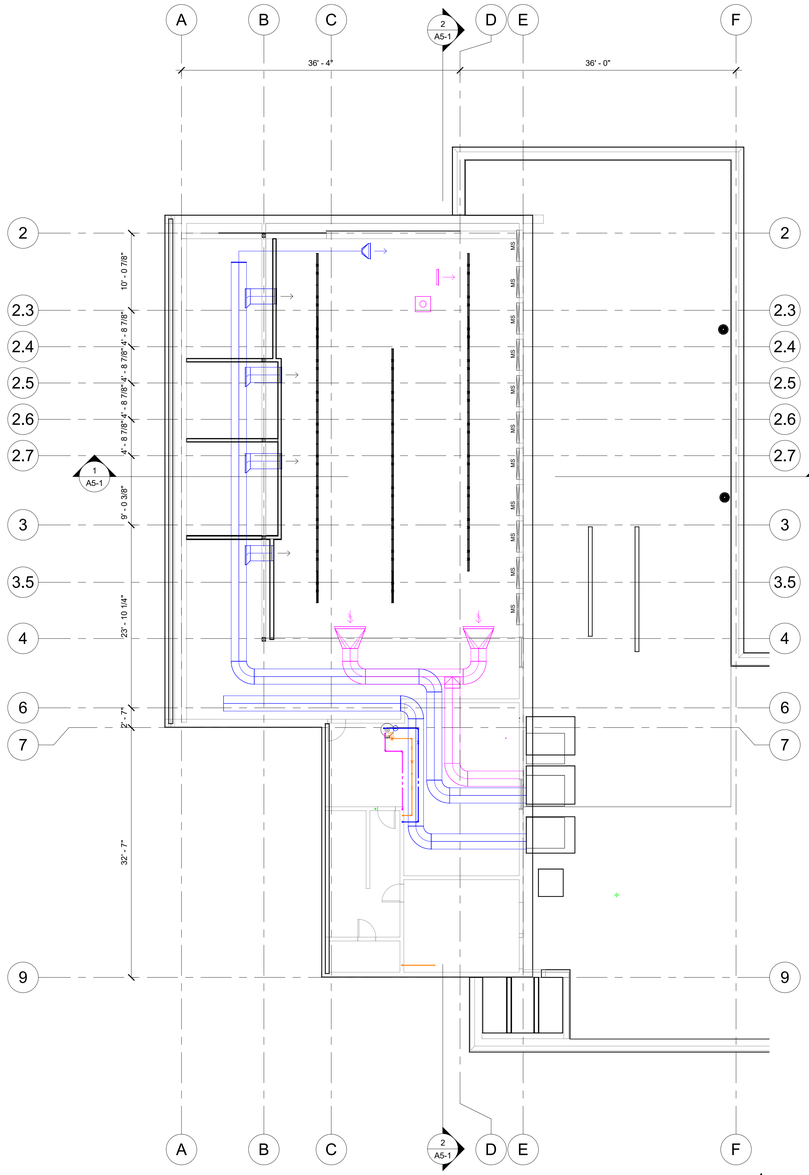
date: 8.29.2019

rev:	date:	description:

drawing title:
FLOOR PLANS - RENOVATION

drawing no.:
A1-1

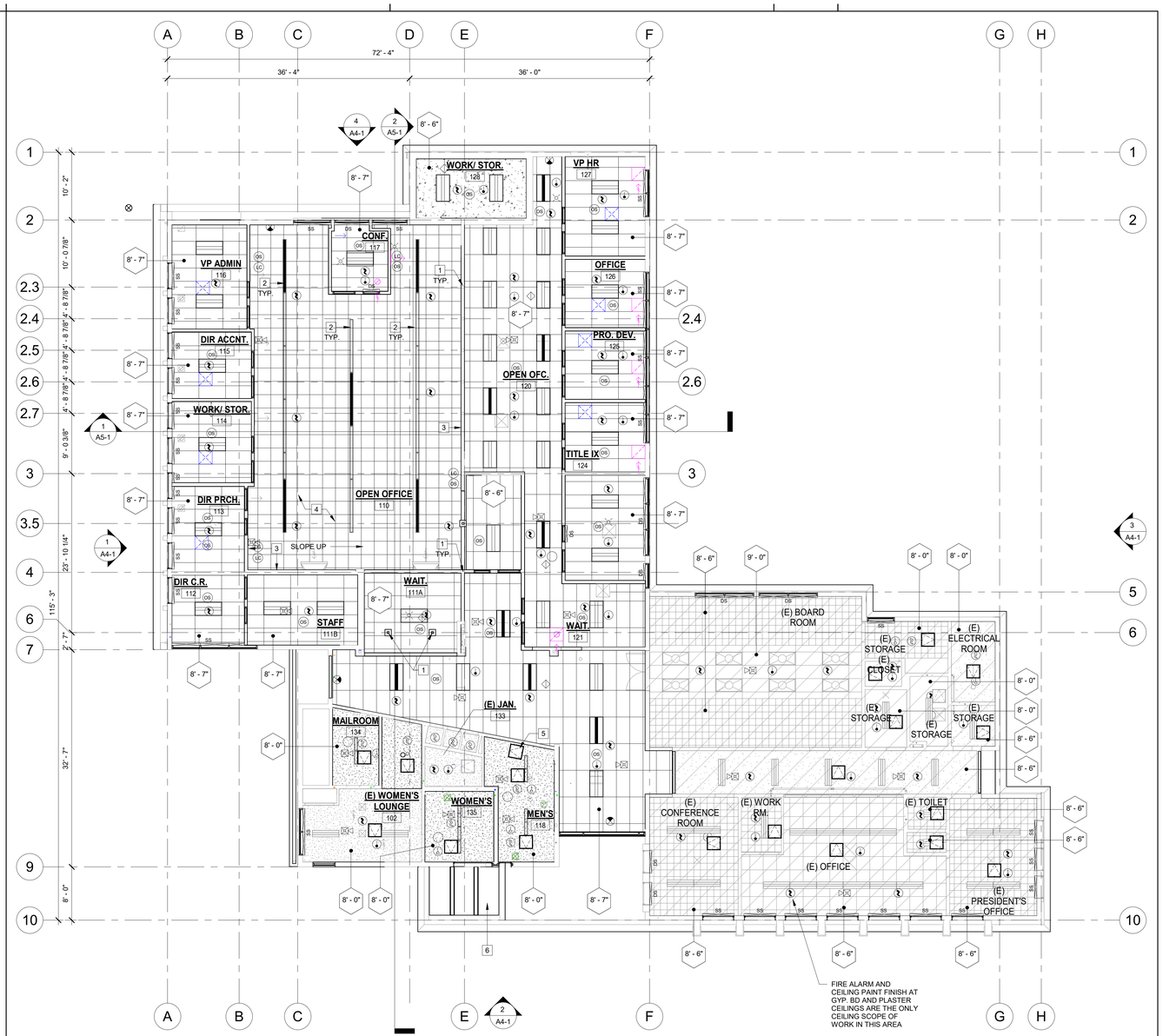
drawing of



2ND FLOOR REMODEL RENOVATION CEILING PLAN 2

SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'



1ST FLOOR RENOVATION REFLECTED CEILING PLAN 1

SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'

GENERAL NOTES

1. REFER TO SUSPENDED ACOUSTICAL CEILING PANEL NOTES AND TYPICAL DETAILS ON SHEET 5.01.
2. REFER TO SUSPENDED GYPSUM BOARD CEILING NOTES AND FRAMED CEILING TYPICAL DETAILS ON SHEET 5.02
3. REFER TO TYPICAL EXTERIOR CEILING DETAILS ON SHEET 5.03
4. PAINT ALL EXPOSED STEEL COLUMNS, BEAMS AND BRACES, REFER TO FINISH SCHEDULE.

KEYNOTES

1. (E) COLUMN
2. PROVIDE SUSPENDED LIGHT FIXTURE AT (E) LOCATION
3. (E) SOFFIT WITH (N) FINISH
4. PROVIDE SLOPING SUSPENDED ACOUSTICAL TILE CEILING .
5. PROVIDE ACCESS PANEL, SEE DETAIL 18 / 5.01
6. (E) ROOF OPENING

LEGEND

- 12'-0" — CEILING HEIGHT ABOVE FINISH FLOOR SYMBOL
- 2x4 SUSP. ACOUST PANEL CLG. — 1&15 / 5.01
- FRAMED GYPSUM BOARD CEILING — 17 / 5.01, 13 / S1-2
- U.O.S. — EXPOSED UNDERSIDE OF STRUCTURE
- ROLLER SHADE NOTATIONS / ABBREVIATIONS: MS MANUAL SOLAR SHADE; CS DUAL ROLLER SHADES W/ SOLAR & BLACKOUT SHADE COMBO
- AIR SUPPLY DIFFUSER
- AIR RETURN DIFFUSER
- AIR EXHAUST DIFFUSER
- ACCESS PANEL @ HARD LID CLG. REFER ALSO TO MECHANICAL, PLUMBING & ELECTRICAL DWGS. — 18 / 5.01
- (E) CEILING ACCESS PANEL TO REMAIN
- EXIT SIGN (CEILING MOUNT), SEE ELECTRICAL LIGHTING PLANS
- EXIT SIGN (WALL MOUNT), SEE ELECTRICAL LIGHTING PLANS
- CEILING RECESSED LIGHT FIXTURE, SEE ELECTRICAL LIGHTING PLANS
- CAM — SECURITY CAMERA, SEE ELECTRICAL PLANS
- (E) 12"X12" MINERAL TILE O/ GYP. BD. TO REMAIN
- (E) 24"X24" MINERAL TILE O/ GYP. BD. TO REMAIN
- (E) SUPENDED 2' x 4' ACOUSTIC CEILING TILE TO REMAIN
- (E) GYPSUM BOARD CEILING TO REMAIN
- WALL, REFER TO FLOOR PLAN FOR WALL TYPES
- (E) WALL TO REMAIN
- (E) LIGHT FIXTURE TO REMAIN
- (E) LIGHT FIXTURE TO REMAIN
- (E) MECHANICAL REGISTER TO REMAIN
- ROLLER SHADE ABBREVIATIONS
- DS DUAL ROLLER SHADES WITH SOLAR AND BLACKOUT SHADE COMBINATION
- SS SOLAR SHADES
- MS MOTORIZED SOLAR SHADES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP
architecture
planning
interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number: 20987.00

file name: CC_Admin Remodel_Central.rvt

drawn by: Z. WEN checked by: T. HALL

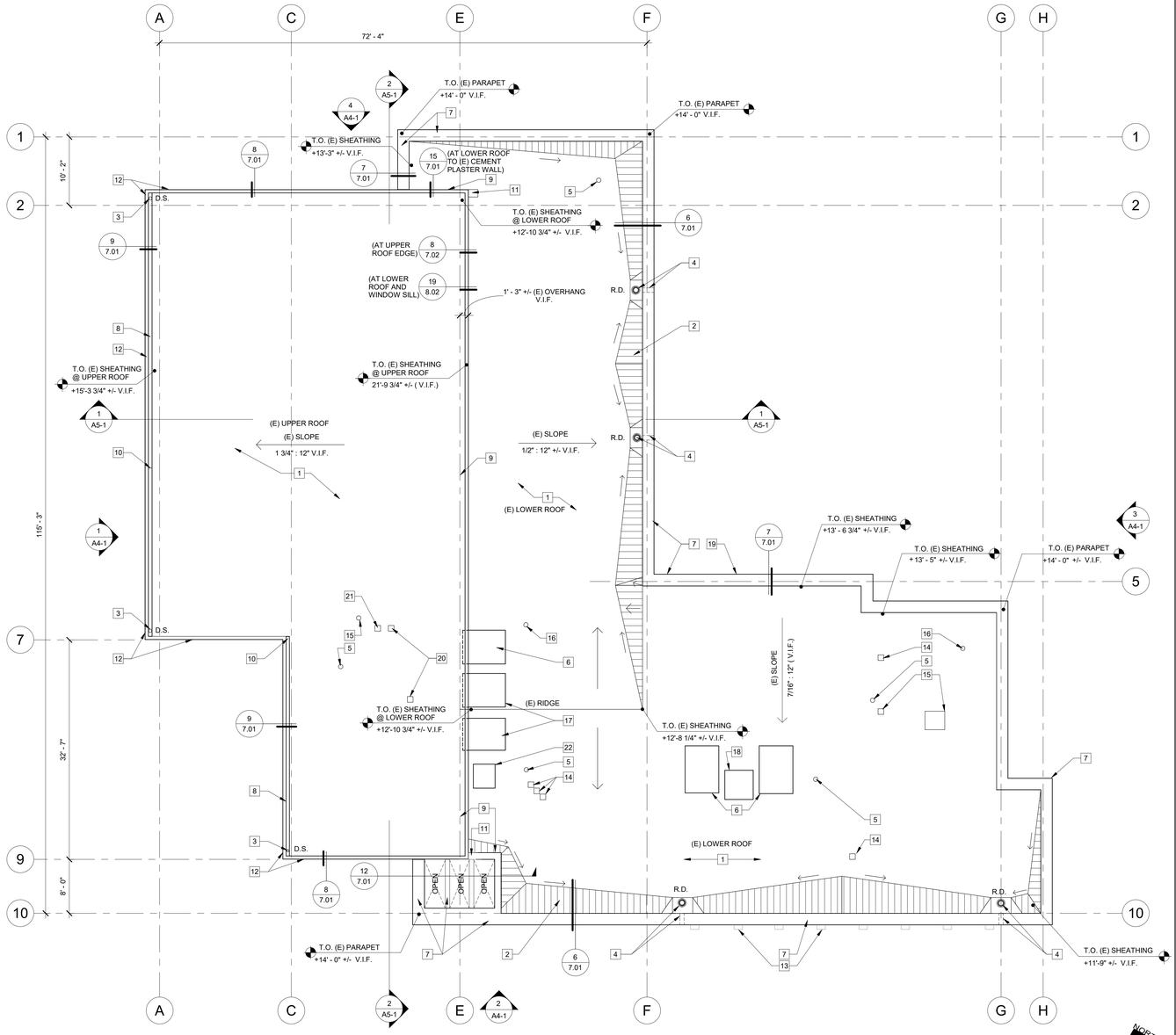
date: 8.29.2019

rev:	date:	description:

drawing title:
REFLECTED CEILING PLANS - RENOVATION

drawing no.:
A2-1

drawing of



NORTH

ROOF PLAN - RENOVATION 2

SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'

GENERAL NOTES

1. PROVIDE ELECTRICAL CONDUIT MOUNTED ON (E) ROOF AND PARAPET WHERE REMOVED, TYP.
2. PROVIDE SHEATHING, ROOF FRAMING AND CURBS AS REQUIRED (V.I.F.) TO ACHIEVE ROOFING MANUFACTURER'S WARRANTY REQUIREMENTS.
3. PROVIDE DURABLOCK (OR APPROVED EQUAL) SLEEPERS FOR ROOF MOUNTED PIPE AND CONDUIT, TYP. SEE DETAIL 9/7.02
4. PROVIDE ATTIC VENTS BELOW ROOF AND AT ROOF SOFFITS, TYP.
5. PROVIDE REINFORCED MEMBRANE ON ALL PARAPETS, SEE DETAIL 3/ 7.01.
6. FOR TYPICAL CLEARANCES FOR MULTIPLE PIPES, SEE DETAIL 16/ 7.01.
7. FOR TYPICAL PIPE PENETRATION, SEE DETAIL 17/ 7.01.
8. FOR TYPICAL VENT PIPE, SEE DETAIL 18/ 7.01.
9. FOR TYPICAL DUCT PENETRATION CURB, SEE DETAIL 19/ 7.01.
10. FOR TYPICAL EXHAUST FAN CURB, SEE DETAIL 20/ 7.01.

KEYNOTES

1. PROVIDE SINGLE PLY CLASS 'A' ROOF SYSTEM O/ (E) ROOF SHEATHING, SEE DETAIL 1/7.01 2/7.01
2. PROVIDE SINGLE PLY CLASS 'A' ROOF SYSTEM O/ (E) CRICKET SHEATHING, SEE DETAIL
3. PROVIDE DOWNSPOUT.
4. PROVIDE ROOF DRAIN AND SCUPPER, SEE DETAIL .5/7.01 10/7.02
5. PROVIDE VENT PIPE 8" MIN. ABOVE ROOF FIN. SURF. W/ PIPE BOOT FLASHING AND CONNECT TO (E) VENT PIPE BELOW ROOF.
6. PROVIDE CURB AND REINSTALL (E) MECHANICAL UNIT, REFER TO DETAIL 3/ 7.02 AND MECH. SHEET MD-3.
7. PROVIDE METAL COPING.
8. PROVIDE BUILT-IN GALVANIZED METAL GUTTER.
9. PROVIDE ROOF FLASHING ALONG BUILDING WALL.
10. HIGHPOINT OF GUTTER.
11. (E) SLOPED WALL TO REMAIN.
12. PROVIDE EDGE FLASHING.
13. (E) METAL COPING AT BRICK PILASTERS BELOW TO REMAIN.
14. PROVIDE EXHAUST VENT AT (E) LOCATION AND CONNECT TO (E) DUCTWORK BELOW ROOF (EXHAUST VENT TO BE 8" MIN. ABOVE ROOF FINISH SURFACE WITH PIPE BOOT FLASHING), REFER ALSO TO MECHANICAL SHEET M-3.
15. PROVIDE GRAVITY VENT AT (E) LOCATION AND CONNECT TO (E) DUCTWORK BELOW ROOF (GRAVITY VENT TO BE 8" MIN. ABOVE ROOF FIN. SURFACE WITH PIPE BOOT FLASHING).
16. PROVIDE ROOF MOUNTED ELECTRICAL J-BOX AT (E) LOCATION AND CONNECT TO (E) WIRING BELOW ROOF AND FIXTURES / DEVICES AT PARAPET (J-BOX TO BE 8" MIN. ABOVE ROOF FINISH SURFACE WITH PIPE BOOT FLASHING).
17. PROVIDE CURB AND MECHANICAL UNIT, REFER TO DETAIL 3/ 7.02 AND MECHANICAL SHEET M-3.
18. RE-INSTALL (E) MECHANICAL EXHAUST FAN.
19. RE-INSTALL (E) POLE-MOUNTED LIGHT FIXTURE AT (E) LOCATION.
20. PROVIDE FURNACE VENTS AT (E) LOCATION AND CONNECT TO (E) DUCTWORK BELOW ROOF. FURNACE VENT TO BE 8" MIN. ABOVE ROOF FIN. SURFACE W/ PIPE BOOT FLASHING.
21. PROVIDE HOT WATER HEATER VENT AT (E) LOCATION AND CONNECT TO (E) DUCTWORK BELOW ROOF. HOT WATER HEATER VENT TO BE 8" MIN. ABOVE ROOF FIN. SURF. W/ PIPE BOOT FLASHING.
22. PROVIDE CURB AND CONDENSER UNIT, REFER TO DETAIL 4/ 7.02, MECHANICAL SHEET M-3, AND 10/ S1-5.

ROOF LEGEND

- (E) FRAMED ROOF CRICKET W/ NEW ROOF FINISH
- ROOF COPING
- ROOF FINISH
- ROOF SLOPE DOWN DIRECTION
- D.S. — DOWNSPOUT
- R.D. — ROOF DRAIN AND SCUPPER

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP
architecture
planning
interiors

LICENSED ARCHITECT STATE OF CALIFORNIA

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

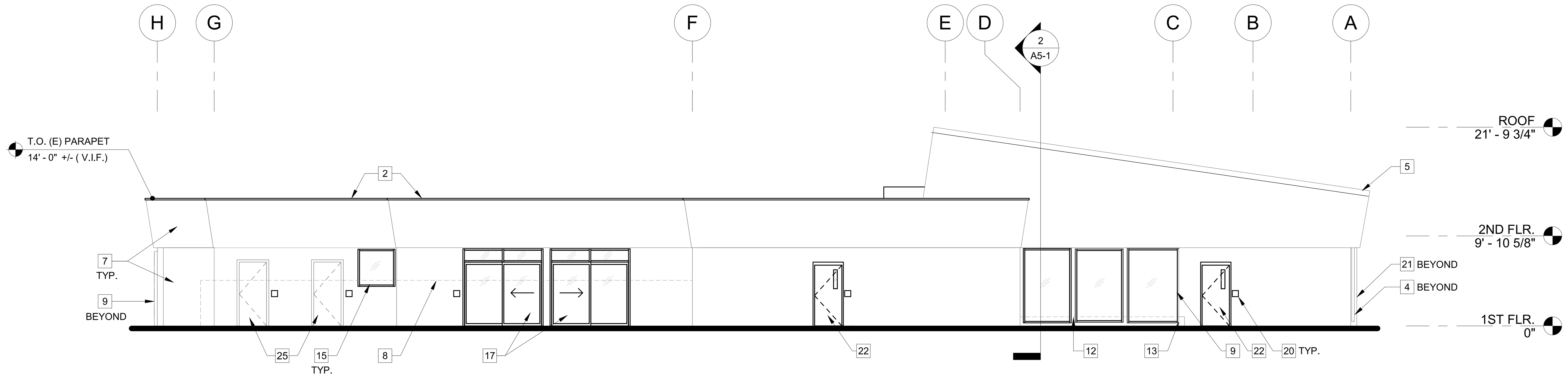
owner

tBP project number: 20987.00
file name: CC_Admin Remodel_Central.rvt
drawn by: Z. WEN checked by: T. HALL
date: 8.29.2019

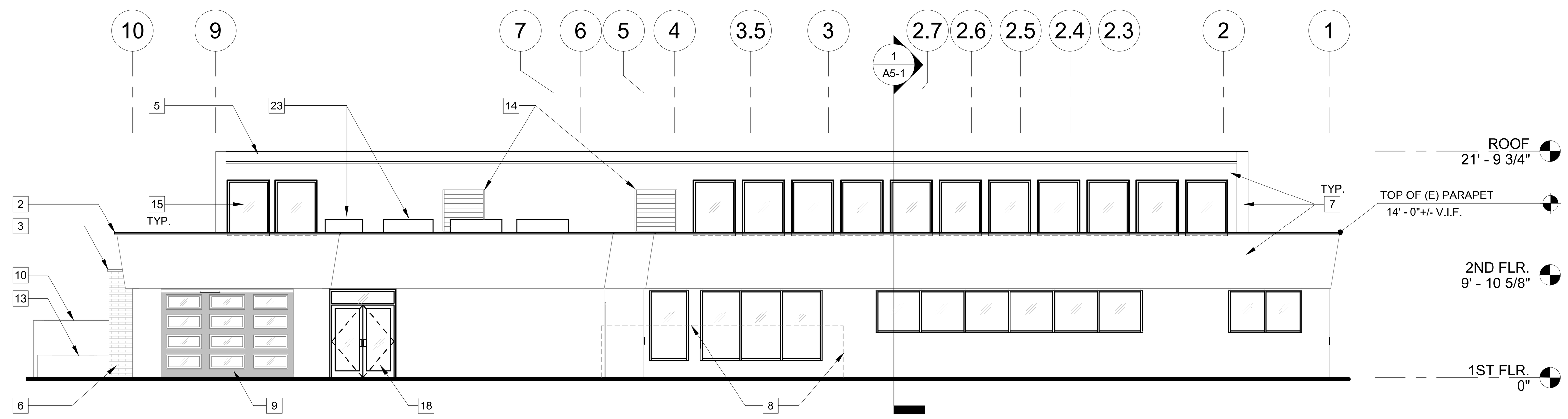
rev:	date:	description:

drawing title:
ROOF PLAN - RENOVATION

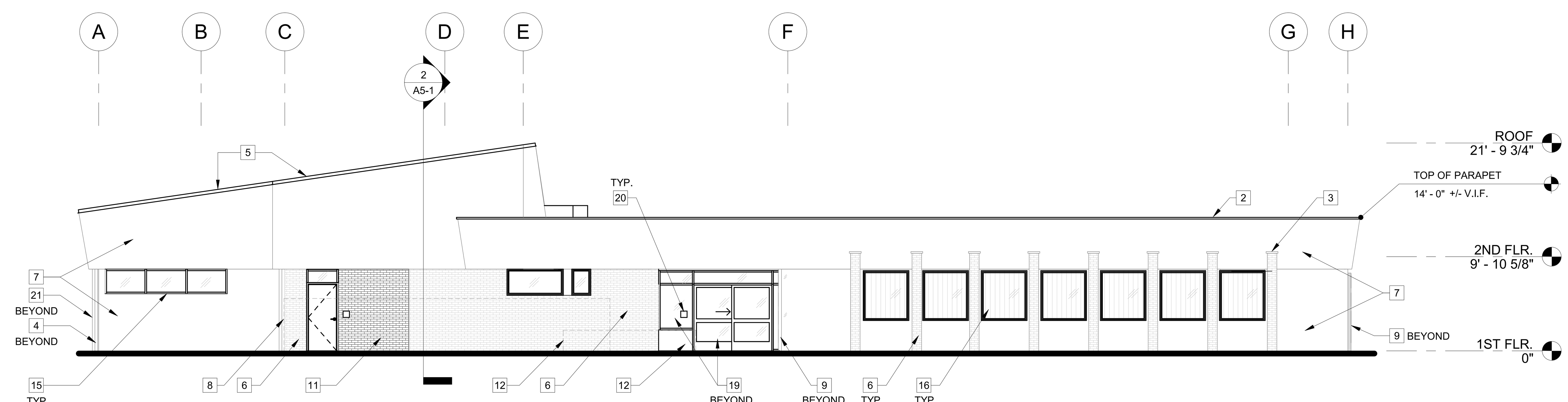
drawing no.:
A3-1
drawing of



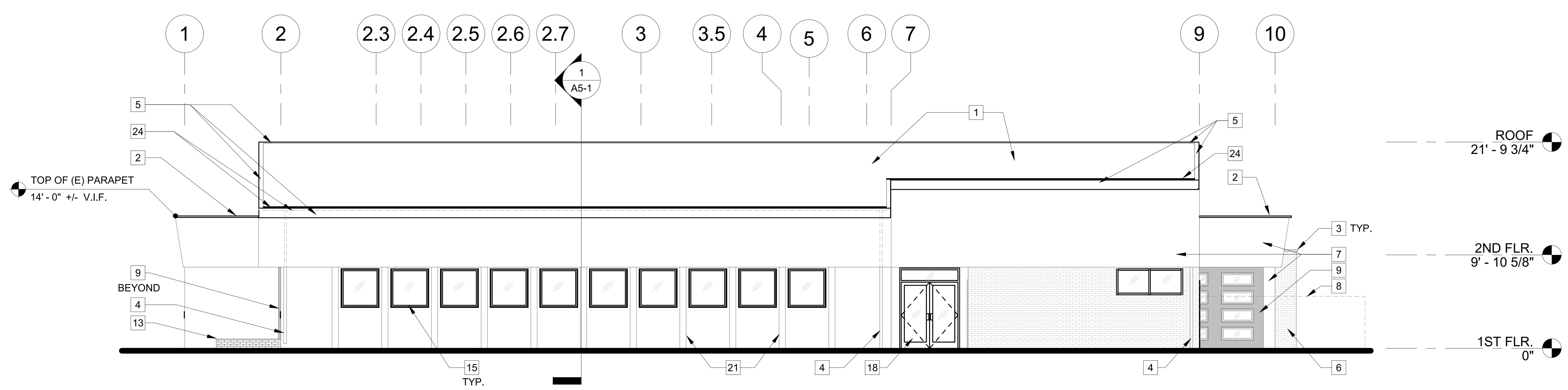
EXTERIOR ELEVATION - NORTH 4
SCALE 1/8" = 1'-0"



EXTERIOR ELEVATION - EAST 3
SCALE 1/8" = 1'-0"



EXTERIOR ELEVATION - SOUTH 2
SCALE 1/8" = 1'-0"



EXTERIOR ELEVATION - WEST 1
SCALE 1/8" = 1'-0"

GENERAL NOTES

1. REFER TO DEMOLITION AND RENOVATION FLOOR PLANS (A0-1 AND A1-1) AND ROOF PLANS (A0-3 AND A3-1) FOR ADDITIONAL INFORMATION REGARDING WINDOW AND ROOF REPLACEMENT SCOPE.
2. PREPARE (E) EXTERIOR CEMENT PLASTER TO RECEIVE PAINT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. PATCH (E) EXTERIOR CEMENT PLASTER CRACKS AND/ OR HOLES WHERE OCCURS V.I.F., TO MATCH (E) TEXTURE WITH SEAMLESS TRANSITION TO (E) EXTERIOR CEMENT PLASTER FINISH.
3. PREPARE (E) WOOD WINDOW CASING/ TRIM TO RECEIVE PAINT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. REPLACE DAMAGED (E) WOOD WINDOW CASING/ TRIM TO MATCH (E) WHERE OCCURS, V.I.F.
4. PREPARE (E) WALL AND WINDOW METAL LOUVERS TO RECEIVE PAINT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
5. PREPARE (E) DOOR AND FRAME TO RECEIVE PAINT IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

KEYNOTES

1	PROVIDE SINGLE PLY CLASS 'A' ROOF SYSTEM O/ (E) SHEATHING.
2	PROVIDE METAL COPING PER ROOF PLAN, SHEET A3-1. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.
3	(E) METAL COPING AT BRICK PILASTERS TO REMAIN. PAINT (E) COPING. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.
4	(E) DOWNSPOUT TO REMAIN. PAINT TO MATCH EXT. CEMENT PLASTER WALL.
5	PROVIDE EDGE FLASHING PER ROOF PLAN, SHEET A3-1. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.
6	(E) BRICK FINISH TO REMAIN.
7	(E) CEM. PLASTER TO REMAIN. PAINT (E) CEMENT PLASTER. COLOR: DUNN EDWARDS "DE6226 FOGGY DAY" OR APPROVED EQUAL.
8	(E) SITE WALL SHOWN DASHED.
9	(E) EXTERIOR WOOD WINDOW CASING TO REMAIN. PAINT (E) WINDOW CASING. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.
10	(E) SITE WALL.
11	PROVIDE EXT. WALL W/ BRICK FINISH TO MATCH (E) W/ SEAMLESS TRANSITION.
12	(E) PLANTER SHOWN DASHED.
13	(E) PLANTER.
14	(E) WALL LOUVER. PAINT (E) WALL LOUVER. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.
15	PROVIDE ALUMINUM STOREFRONT IN (E) OPENING, SEE SHEET 8.00 FOR ADDITIONAL INFORMATION.
16	(E) LOUVERS TO REMAIN. PAINT (E) WINDOW LOUVER. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.
17	PROVIDE SLIDING GLASS DOOR IN (E) OPENING.
18	PROVIDE PAIR GLASS DOORS AND TRANSOM GLAZING IN (E) OPENING.
19	PROVIDE AUTO-SLIDING STOREFRONT DOOR AND STOREFRONT IN (E) OPENING, CONNECT AUTO-SLIDING DOOR TO (E) WIRING.
20	PROVIDE SIGNAGE, REFER TO SIGNAGE FLOOR PLAN A11-1.
21	(E) WALL PILASTER. PAINT (E) CEMENT PLASTER PILASTER. COLOR: DUNN EDWARDS "DE6226 FOGGY DAY" OR APPROVED EQUAL.
22	PROVIDE DOOR AND DOOR FRAME. PAINT DOOR AND FRAME. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.
23	ROOF EQUIPMENT PER ROOF PLAN, SHEET A3-1.
24	PROVIDE BUILT-IN GALV. MTL. GUTTER PER ROOF PLAN, SHEET A3-1.
25	PAINT (E) DOOR AND FRAME. COLOR: DUNN EDWARDS "DE6353 SILVER LINED" OR APPROVED EQUAL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP
architecture
planning
interiors

LICENSED ARCHITECT
HUNG L. CHENG
NO. C34187
REN. 4-30-21
STATE OF CALIFORNIA

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

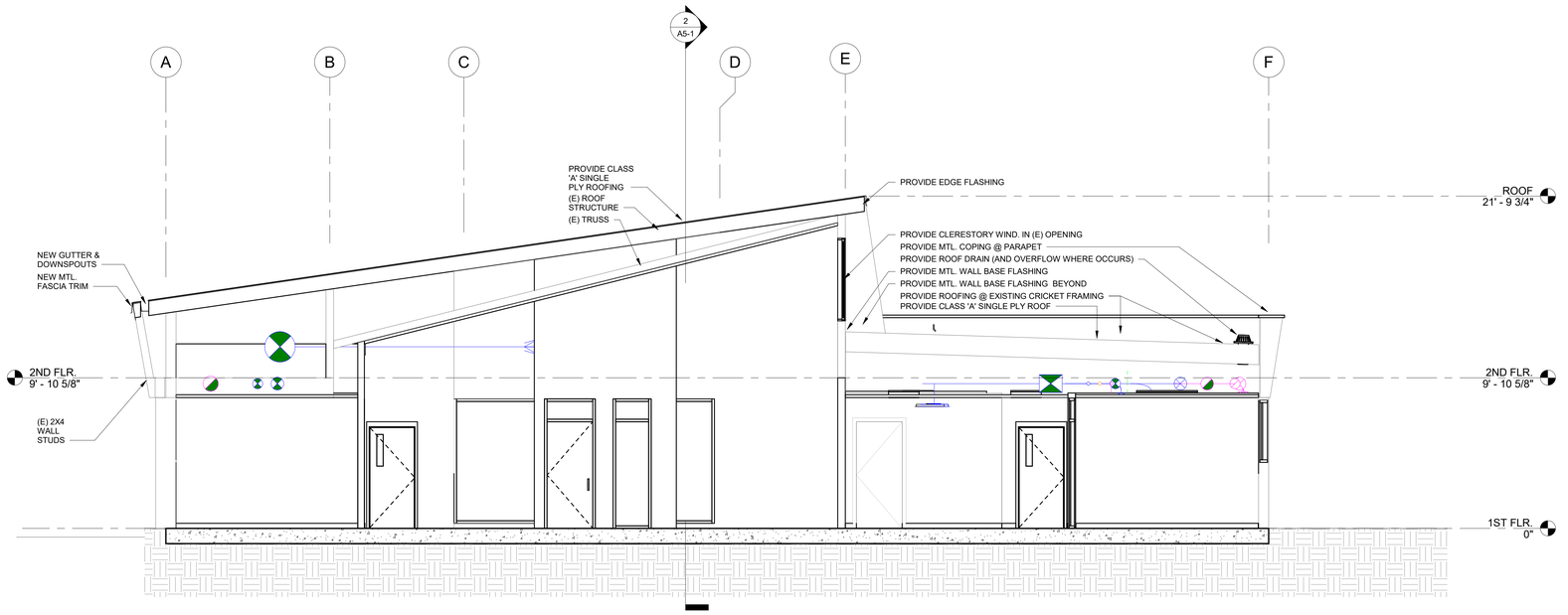
tBP project number: 20987.00
file name: CC_Admin Remodel_Central.rvt
drawn by: Z. WEN checked by: T. HALL
date: 8.29.2019

rev:	date:	description:

drawing title:
EXTERIOR ELEVATIONS

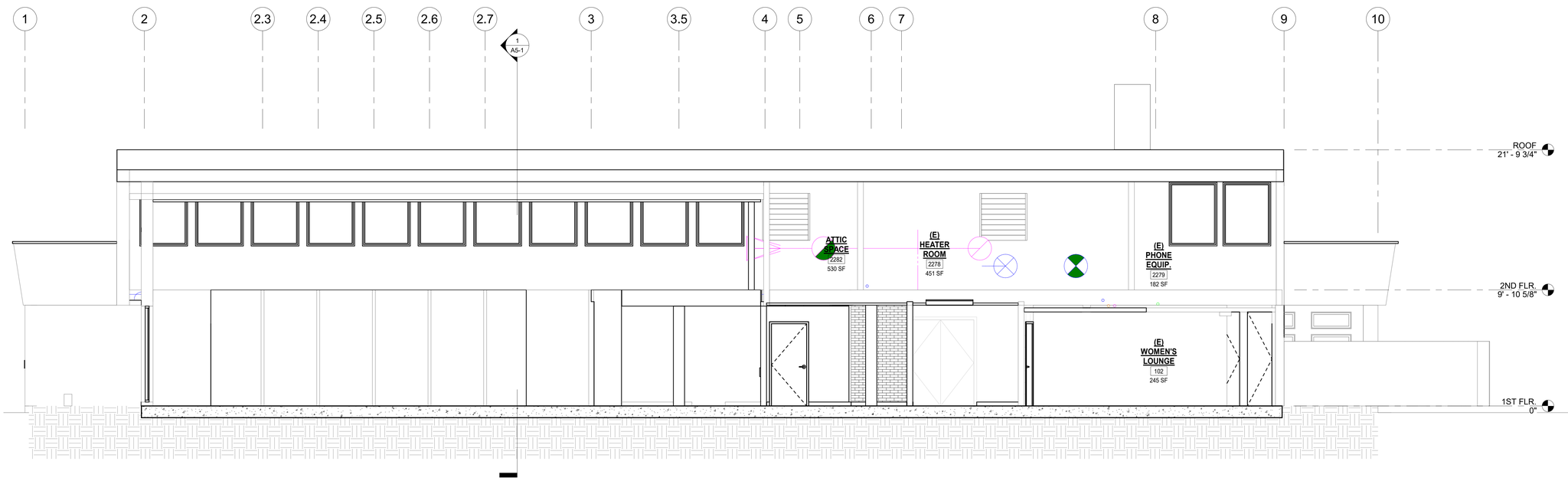
drawing no.:
A4-1

drawing of



BUILDING SECTION 1

SCALE 1/4" = 1'-0" (1)



BUILDING SECTION 2

SCALE 1/4" = 1'-0" (2)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

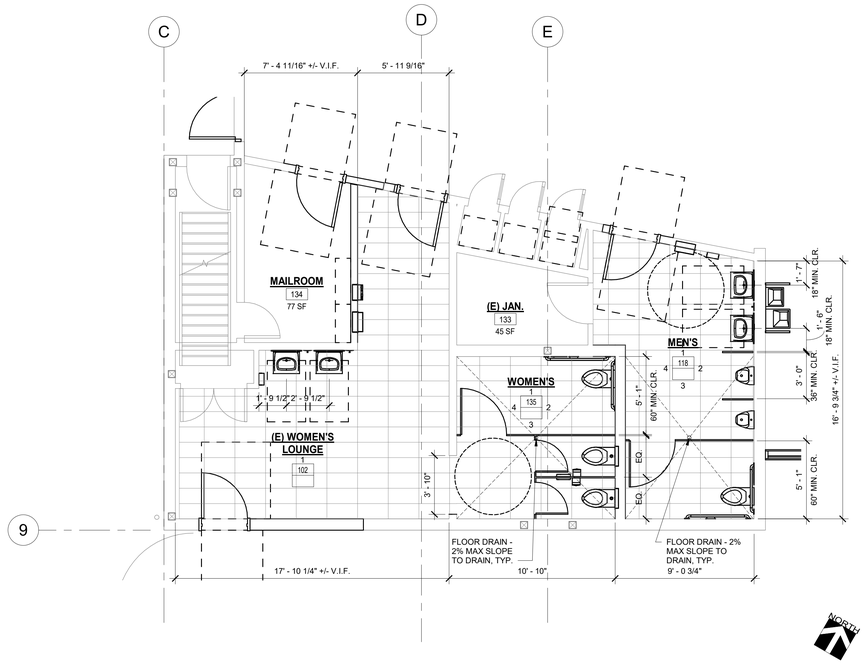
owner

tBP project number: 20987.00
file name: CC_Admin Remodel_Central.rvt
drawn by: Z. WEN checked by: T. HALL
date: 8.29.2019

rev:	date:	description:

drawing title:
BUILDING SECTIONS

drawing no.:
A5-1
drawing of



ENLARGED TOILET PLAN

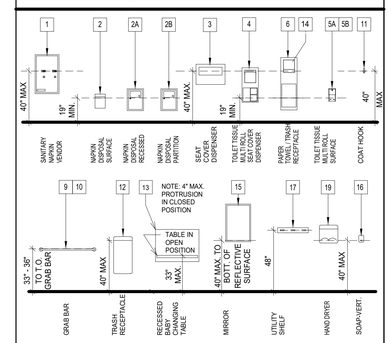
SCALE 1/4" = 1'-0" — 1

0' 1' 2' 4' 8'

TOILET ACCESSORY KEYNOTES

1	SANITARY NAPKIN VENDOR, RECESSED	C. I. C. F	BOBRICK B-4706 25
2A	SANITARY NAPKIN DISPOSAL, RECESSED	C.F.C.I.	BOBRICK B-4353
2B	SANITARY NAPKIN DISPOSAL, PARTITION	C.F.C.I.	BOBRICK B-4354
3	SEAT COVER DISPENSER, RECESSED	C.I.C.F.	BOBRICK B-301
4	RECESSED COMBO TOILET SEAT COVER DISP. & TOILET TISSUE DISPENSER	C.F.C.I.	BOBRICK B-3474
5A	2 ROLL TOILET TISSUE DISPENSER, RECESSED	O.F.C.I.	BOBRICK B-4388
5B	2 ROLL TOILET TISSUE DISPENSER, PARTITION	O.F.C.I.	BOBRICK B-4288
6	COMBINATION PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, RECESSED	C.F.C.I.	BOBRICK B-3944
9	GRAB BARS, 1-1/2" DIA. BY 18 GA. STAINLESS STL. TUBING, 48"L SIDE WALL, 42" LONG BACK WALL, 42"L IN AMBULATORY STALL	C.F.C.I.	BOBRICK B-6806
10	GRAB BAR, L-SHAPED	NOT USED	NOT USED
11	COAT HOOK	C.F.C.I.	BOBRICK 2116
12	RECESSED WASTE RECEPTACLE	C.F.C.I.	BOBRICK B-35643 / APRVD.EQ.
13	RECESSED BABY CHANGING STATION - HORIZ. WALL-MOUNT ST. STL.	C.F.C.I.	BOBRICK KOALA CARE KB110-SSWM
14A	PAPER TOWEL DISPENSER, HANDS FREE	O.F.C.I.	OptiServ 76700
14B	PAPER TOWEL DISPENSER, HANDS FREE	O.F.C.I.	OptiServ 86800
15	MIRROR, STAINLESS STEEL CHANNEL FRAME, 24" X 36"	C.F.C.I.	BOBRICK B-1658 2436 OR EQ.
16	LOTION SOAP DISPENSER, VERTICAL TANK, SURF. MOUNTED	O.F.C.I.	IMPACT 9325
17	UTILITY SHELF W/ MOP & BROOM HOLDER, SURFACE MOUNT	C.F.C.I.	BOBRICK B-239
18	UNDERLAVATORY GUARDS, MOLDED VINYL COVERING FOR SUPPLY/ DRAIN PIPING W/FLIP TOPS @ VALVE TO ALLOW SERVICE ACCESS W/O REMOVING COVERS	C.F.C.I.	
19	ELECTRIC HAND DRYER, SEMI-RECESSED, 4" MAX. PROJECTION	C.F.C.I.	BOBRICK B-750 OR APRVD. EQ.
		O.F.C.I.	BOBRICK B-369

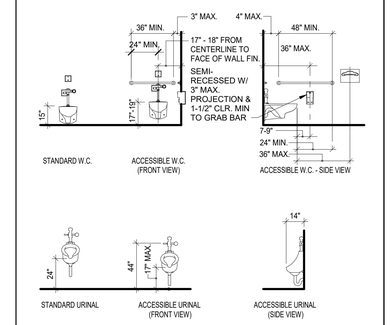
TOILET ACCESSORY MOUNTING HEIGHTS

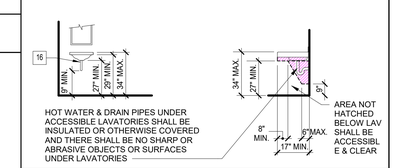


NOTES:

1. MOUNTING HEIGHTS SHOWN ARE TYPICAL, UNLESS OTHERWISE NOTED.
2. ALL ACCESSORIES SHALL BE ACCESSIBLE WITH A MAXIMUM REACH HEIGHT OF 40" A.F.F.
3. SLOPE FLOORS 1/8" PER FOOT MIN. AND 1/4" PER FOOT MAXIMUM, U.N.O.
4. SEE ENLARGED TOILET PLAN/INTERIOR ELEVS. DWGS. FOR TOILET ACCESSORY LOCATIONS
5. OWNER FURNISHED ACCESSORIES SHALL BE CONTRACTOR INSTALLED (O.F.C.I.)
6. PROVIDE BACKING FOR GRAB BARS AND SHELVES, SEE DETAIL 2/ S1-3.

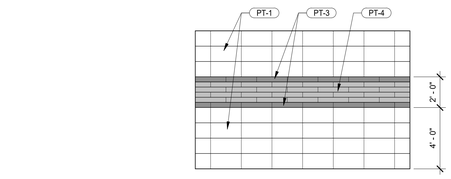
TOILET FIXTURE MOUNTING HEIGHTS





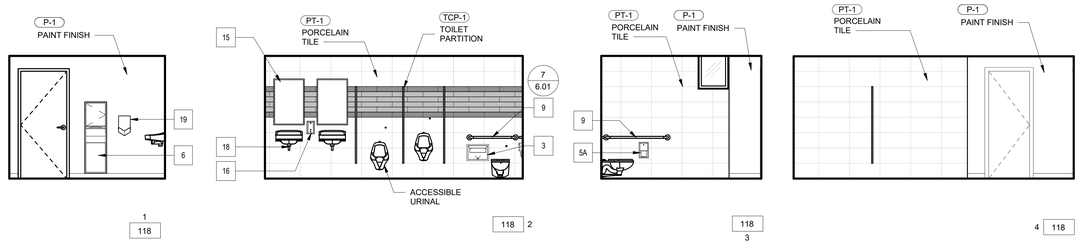
CLEARANCES OF FIXTURES & ACCESSORIES TO FINISHED SURFACES

	ADULT
TOILET CENTERLINE FROM WALL	17" - 18" FROM CENTERLINE TO WALL
TOILET SEAT HEIGHT (AT SEAT LID)	17" - 19" ABOVE FINISH FLOOR TO TOP OF SEAT
GRAB BAR HEIGHT (SIDE)	33" - 36" FROM FIN. FLR. TO T.O. BAR
TOILET PAPER IN FRONT OF TOILET	7-9" FROM TOILET TO CENTERLINE OF DISPENSER
NAPKIN DISPOSAL IN FRONT OF TOILET	BETWEEN TOILET PAPER DISP. AND REAR WALL
DISPENSER OR MIRROR HEIGHT	40" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.
LAVATORY/SINK KNEE CLEARANCE	29" MAX.
URINAL LIP HEIGHT	17" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.
RAMP/STAIR HANDRAIL HEIGHT	34"-38"



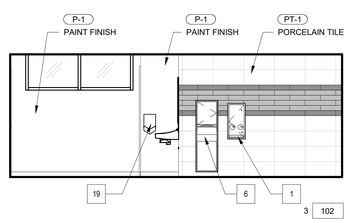
TOILET ACCENT WALL PATTERN

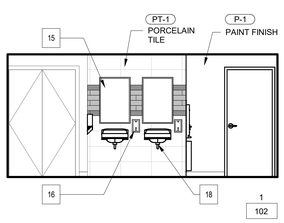
SCALE: 1/4"= 1'-0" — 2



MEN'S

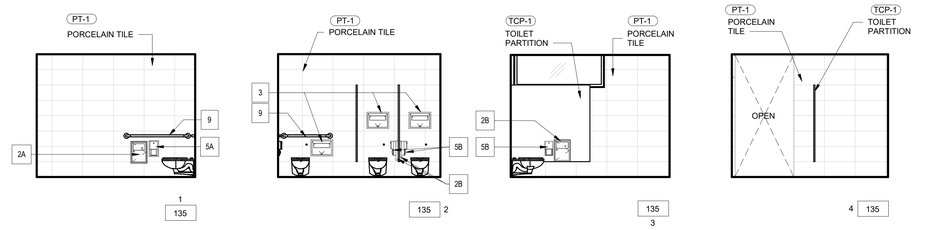
SCALE: 1/4"= 1'-0" — 118





(E) WOMEN'S LOUNGE

SCALE: 1/4"= 1'-0" — 102



WOMEN'S

SCALE: 1/4"= 1'-0" — 135

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number: 20987.00

file name: CC_Admin Remodel_Central.rvt

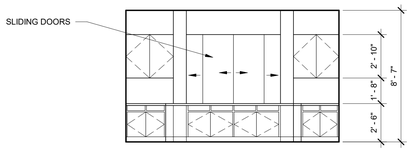
drawn by: Z. WEN checked by: T. HALL

date: 8.29.2019

rev:	date:	description:

drawing title:
ENLARGED TOILET PLAN

drawing no.:
A7-1
drawing of

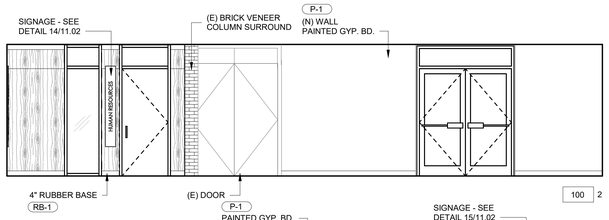


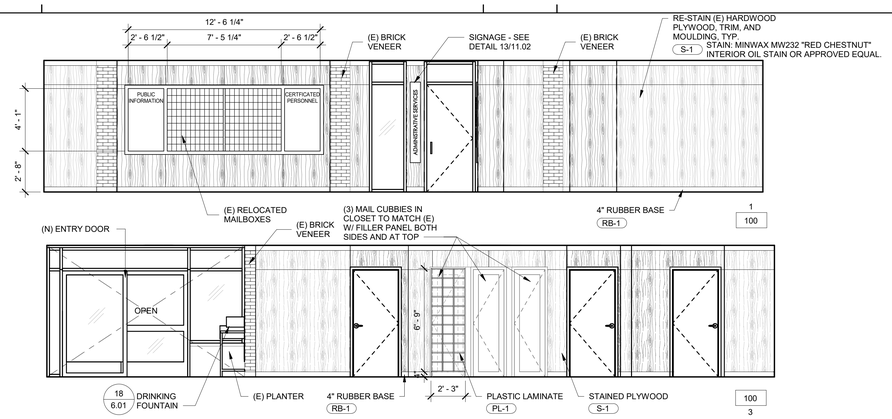
NOTE:
REFER TO 20/6.02 FOR ADDITIONAL INFO.

111 3

COMMUNITY RELATIONS - WAITING ROOM
SCALE: 1/4"= 1'-0"

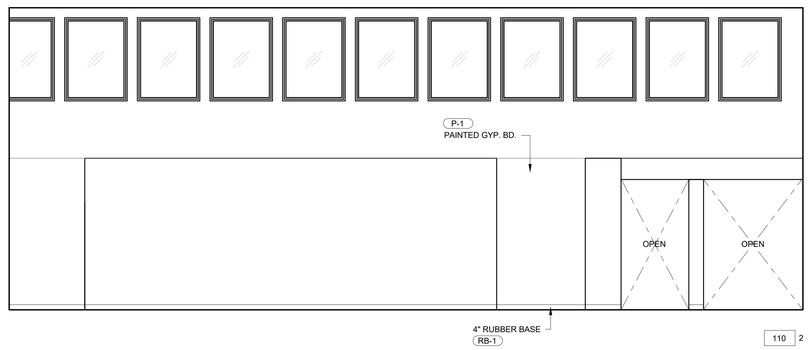
111A

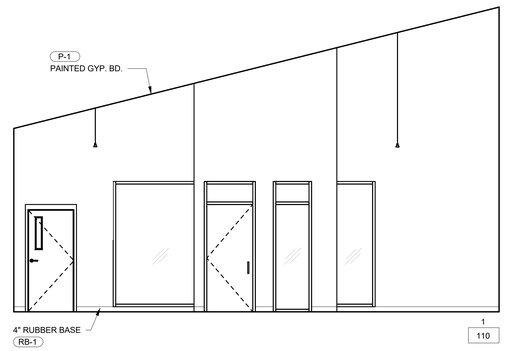


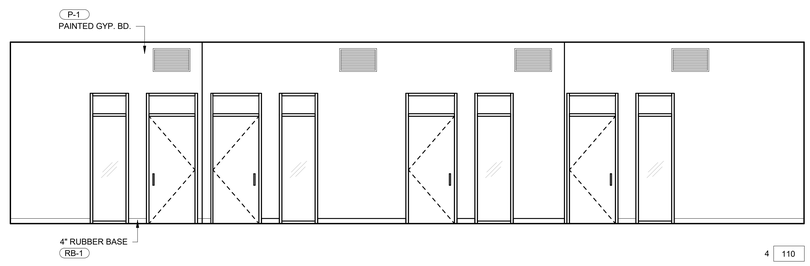


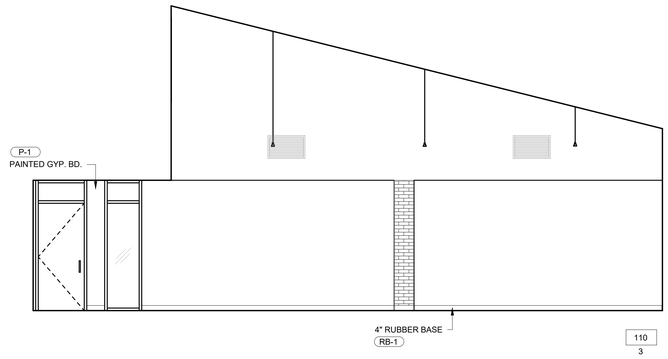
(E) LOBBY
SCALE: 1/4"= 1'-0"

100



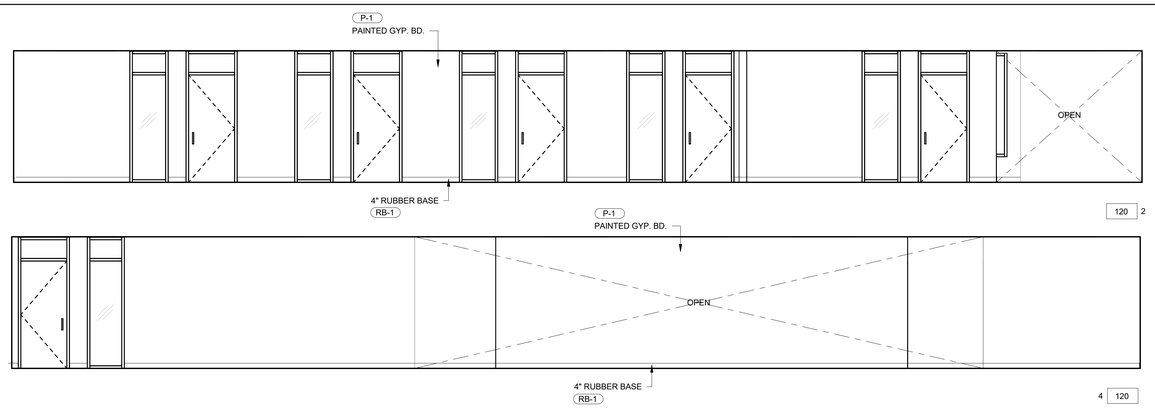


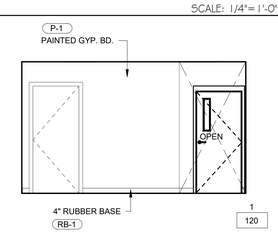




ADMINISTRATIVE SERVICES - OPEN OFFICE
SCALE: 1/4"= 1'-0"

110





HUMAN RESOURCES - OPEN OFFICE
SCALE: 1/4"= 1'-0"

120

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

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

owner

tBP project number: 20987.00

file name: CC_Admin Remodel_Central.rvt

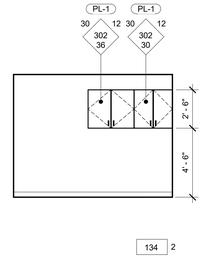
drawn by: Z. WEN checked by: T. HALL

date: 8.29.2019

rev:	date:	description:

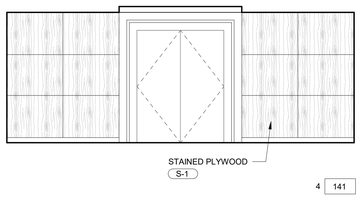
drawing title:
INTERIOR ELEVATIONS

drawing no.:
A8-1
drawing of

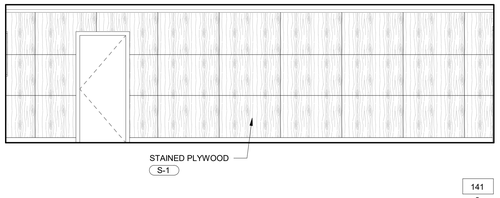


134 2

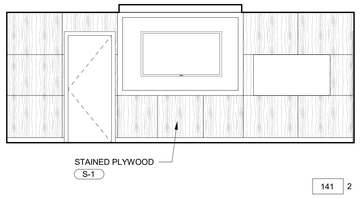
MAILROOM
SCALE: 1/4"= 1'-0" | 134



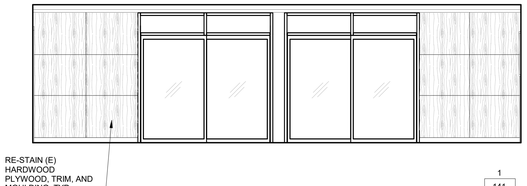
4 141



141 3

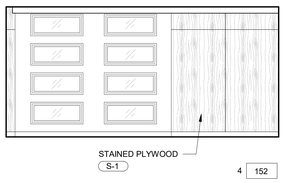


141 2

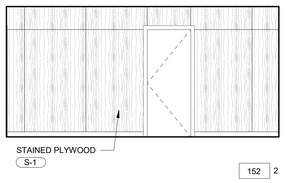


1 141

(E) BOARD ROOM
SCALE: 1/4"= 1'-0" | 141

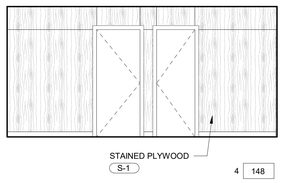


4 152

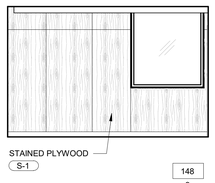


152 2

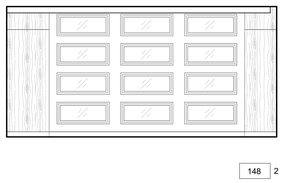
(E) CONFERENCE ROOM
SCALE: 1/4"= 1'-0" | 152



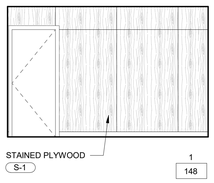
4 148



148 3

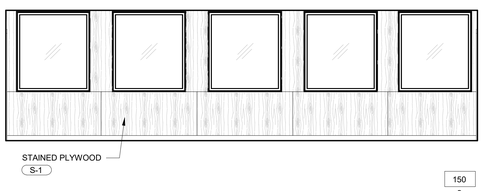


148 2

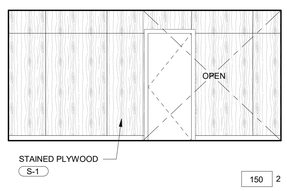


1 148

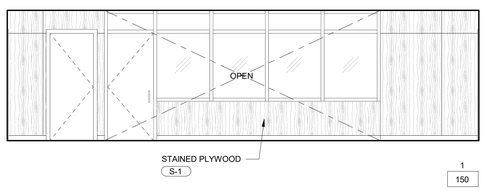
(E) PRESIDENT'S OFFICE
SCALE: 1/4"= 1'-0" | 148



150 3



150 2



1 150

(E) OFFICE
SCALE: 1/4"= 1'-0" | 150

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

owner

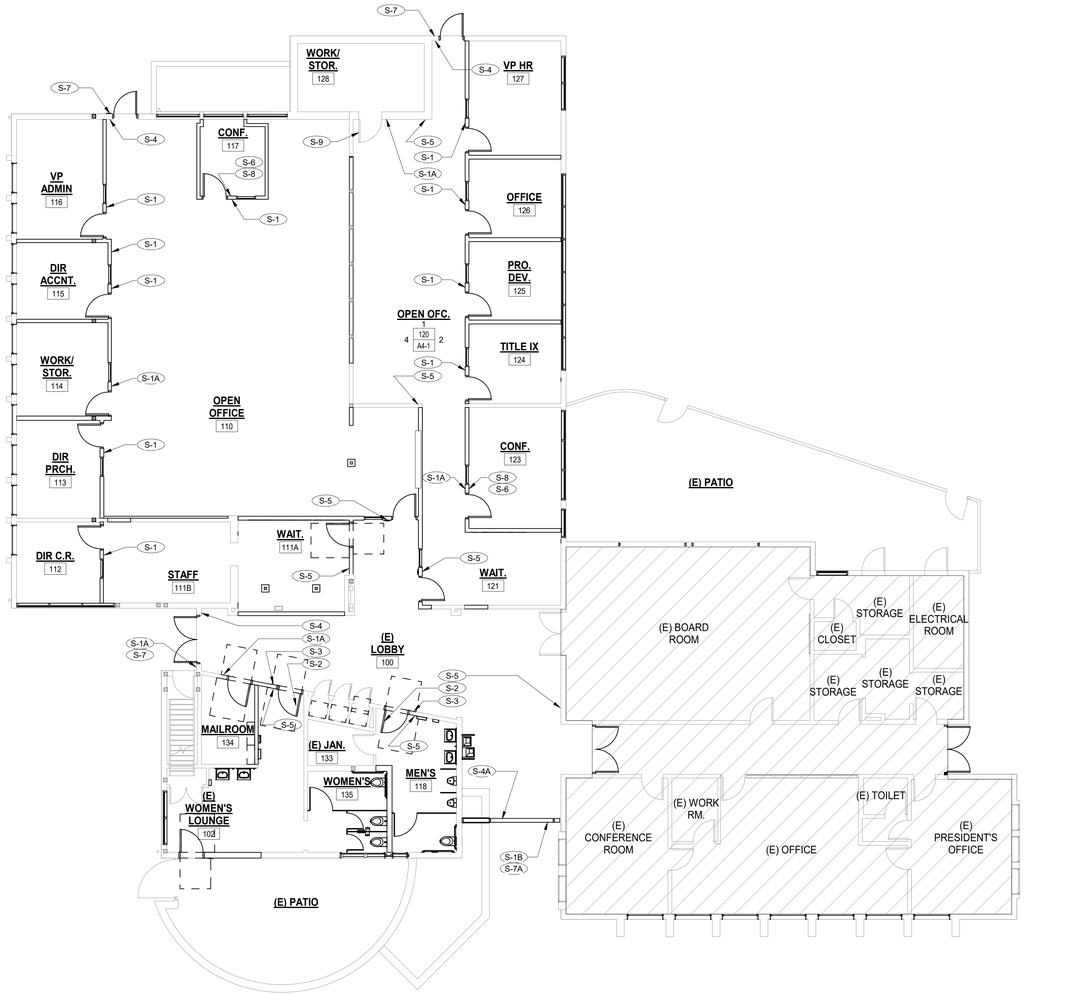
COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221

tBP project number: 20987.00
file name: CC_Admin Remodel_Central.rvt
drawn by: Z. WEN checked by: T. HALL
date: 8.29.2019

rev:	date:	description:

drawing title:
INTERIOR ELEVATIONS

drawing no.:
A8-2
drawing of



1ST FLOOR - SIGNAGE PLAN (1)

SCALE 1/8" = 1'-0"

GENERAL NOTES

1. FOR SIGNAGE LOCATIONS AND MOUNTING HEIGHTS, SEE 5/11.01

SIGNAGE LEGEND

- S-1 ROOM NAME/ NUMBER SIGN WITH INSERT (WALL-MOUNT), SEE DOOR SCHEDULE AND 10/11.01
- S-1A ROOM NAME/ NUMBER SIGN (WALL MOUNT), SEE DOOR SCHEDULE AND 11/11.01
- S-1B ROOM NAME/ NUMBER SIGN (GLASS MOUNT), SEE DOOR SCHEDULE AND 11/11.01
- S-2 TOILET ROOM SYMBOL (DOOR MOUNT), SEE DOOR SCHEDULE AND DETAILS 5/11.01, 6/11.01
- S-3 TOILET ROOM SIGN (WALL MOUNT), SEE DOOR SCHEDULE AND DETAILS 3/11.01, 4/11.01, 14/11.01
- S-4 TACTILE "EXIT SIGN (INTERIOR) (WALL MOUNT), SEE 9/11.01
- S-4A TACTILE "EXIT SIGN (INTERIOR) (GLASS MOUNT), SEE 9/11.01
- S-5 TACTILE "EXIT ROUTE" SIGN (INTERIOR), SEE 8/11.01
- S-6 "MAXIMUM OCCUPANCY" SIGN (INTERIOR WALL MOUNT), SEE 13/11.01
- S-7 ACCESSIBLE ENTRANCE SIGN (EXTERIOR) (WALL MOUNT), SEE 14/11.01
- S-7A ACCESSIBLE ENTRANCE SIGN (EXTERIOR) (GLASS MOUNT), SEE 14/11.01
- S-8 "ASSISTIVE LISTENING DEVICE" SIGN (INTERIOR WALL MOUNT), SEE 12/11.01
- S-9 "FIRE ALARM CONTROL PANEL" SIGN (DOOR MOUNT), SEE 18/11.01

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP
architecture
planning
interiors
LICENSED ARCHITECT STATE OF CALIFORNIA
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

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

owner

tBP project number: 20987.00

file name: CC_Admin Remodel_Central.rvt

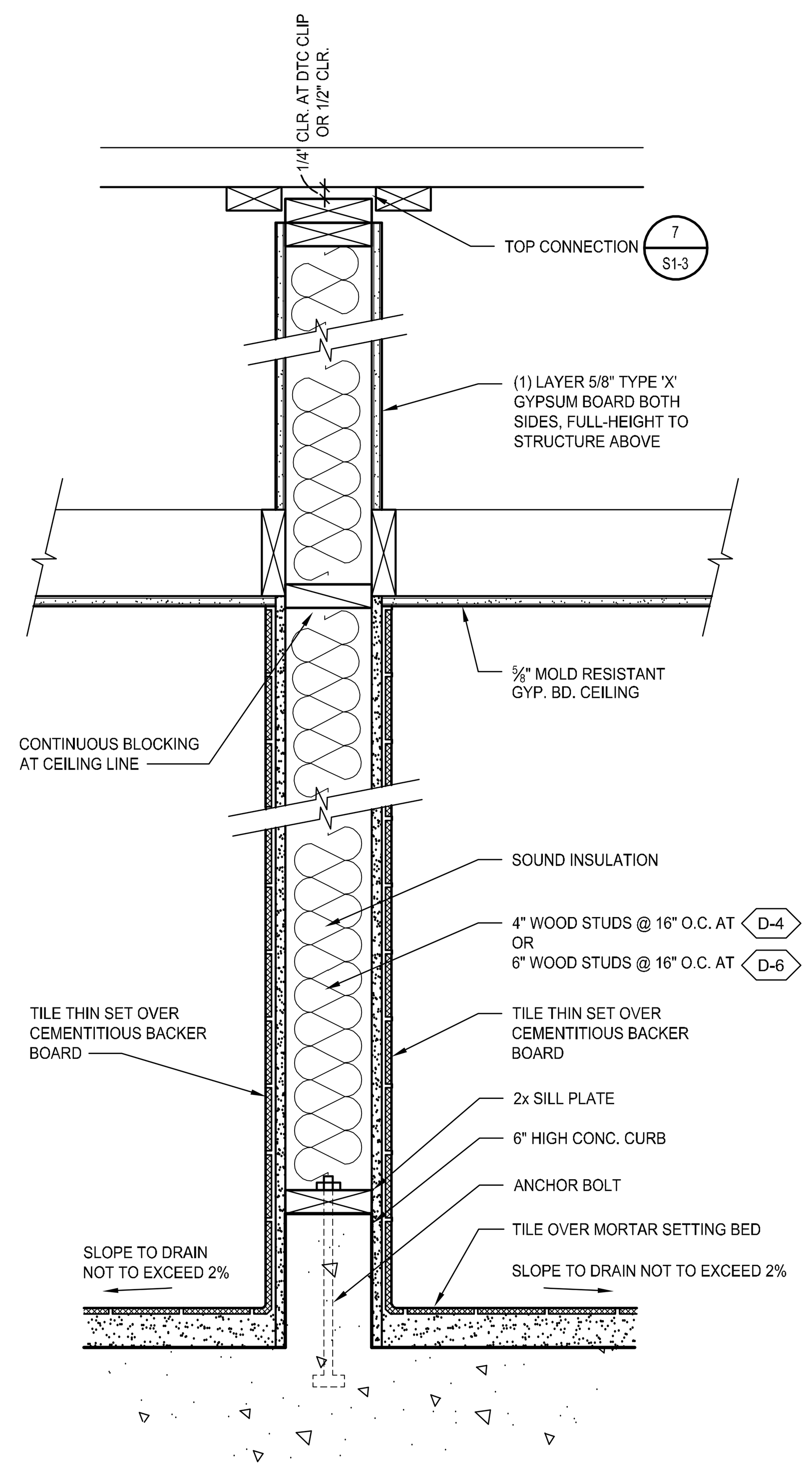
drawn by: Z. WEN checked by: T. HALL

date: 8.29.2019

rev:	date:	description:

drawing title:
SIGNAGE FLOOR PLAN

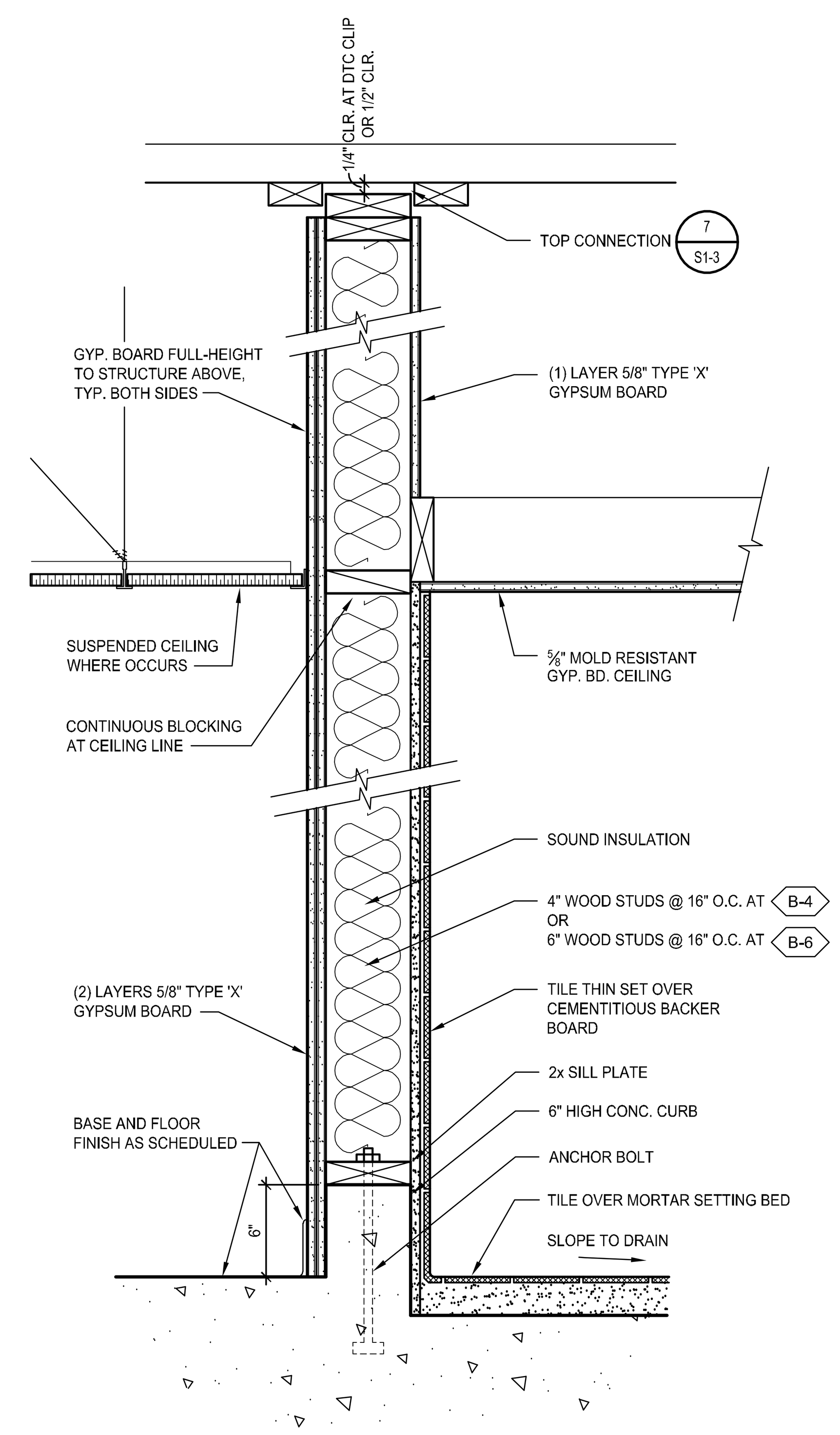
drawing no.:
A11-1
drawing of



WALL TYPE D-#
# INDICATES WIDTH OF WOOD STUDS

U.L. #: NONE
FIRE RATING: NONE
STC:

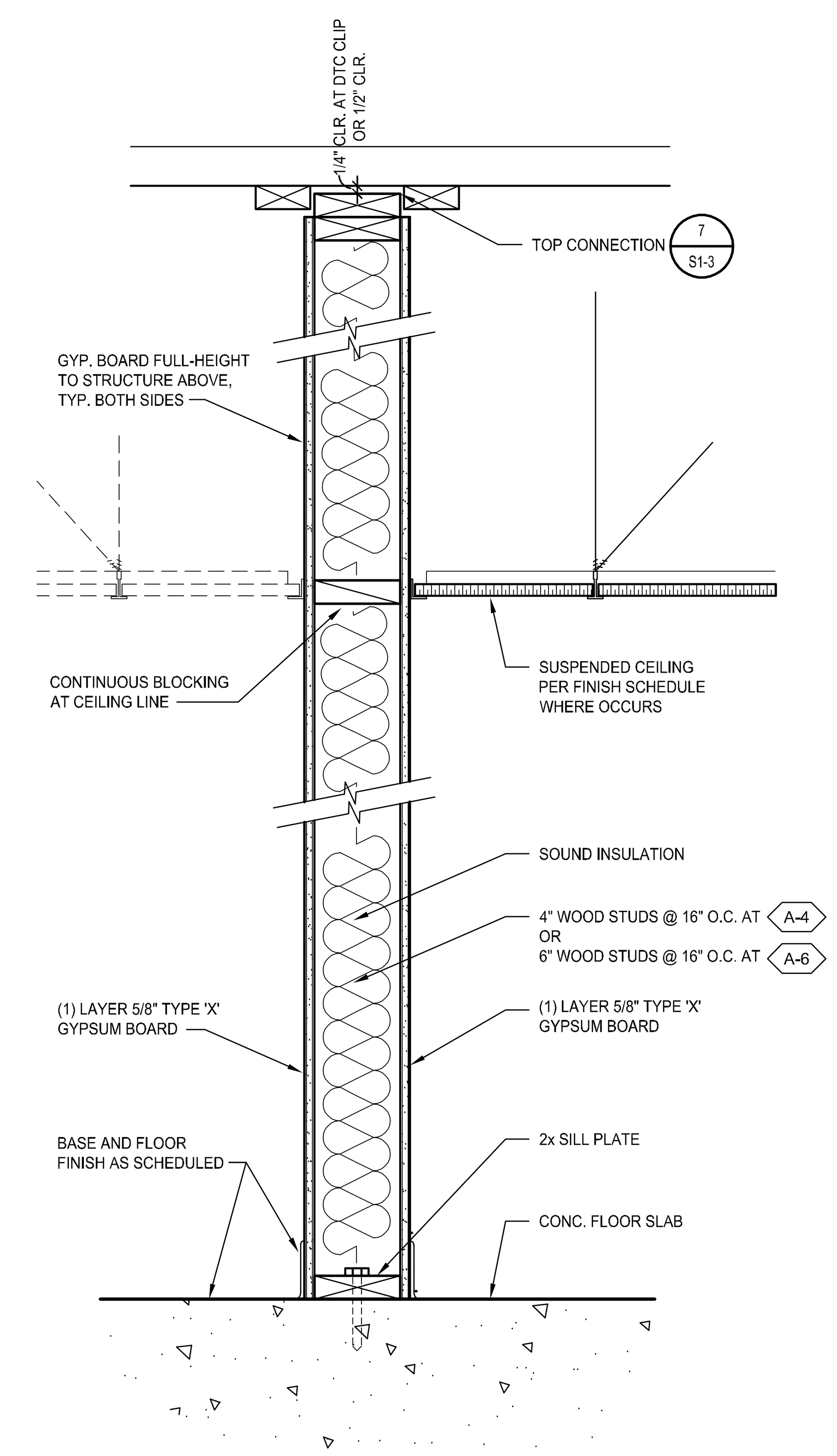
TOILET ROOM PARTITION — 7
SCALE: 1 1/2" = 1'-0"



WALL TYPE B-#
# INDICATES WIDTH OF WOOD STUDS

U.L. #: NONE
FIRE RATING: NONE
STC:

TOILET ROOM PARTITION — 9
SCALE: 1 1/2" = 1'-0"



WALL TYPE A-#
# INDICATES WIDTH OF WOOD STUDS

U.L. #: NONE
FIRE RATING: NONE
STC:

NON-BEARING WOOD STUD PARTITION — 10
SCALE: 1 1/2" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00
file name:
drawn by: E. LINARES checked by: T. HALL
date: 8.29.19

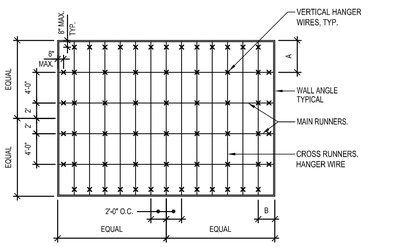
Rev:	date:	description:

drawing title:
INTERIOR PARTITION DETAILS

drawing no.:
4.01
drawing of

TYPICAL HANGER SUPPORT PLAN — 1

SCALE: N.T.S.



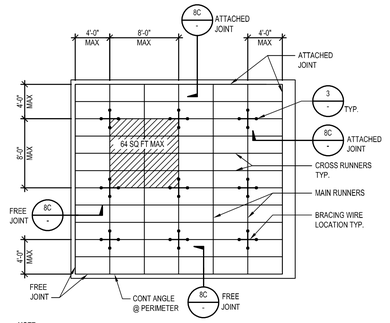
A = 47 1/2" OR LESS TO ACCOMMODATE STANDARD GRID & CEILING BOARD.

B = 24" OR LESS TO ACCOMMODATE STANDARD CEILING BOARD.

NOTES:
1. ALL COMPONENTS OF CEILING GRID TO BE CLASSIFIED 'HEAVY DUTY'
2. SEE DETAIL 2 3 4
3. FOR LIGHT FIXTURE AND MECHANICAL REGISTER SUPPORT SEE 16

TYPICAL LATERAL BRACING PLAN — 2

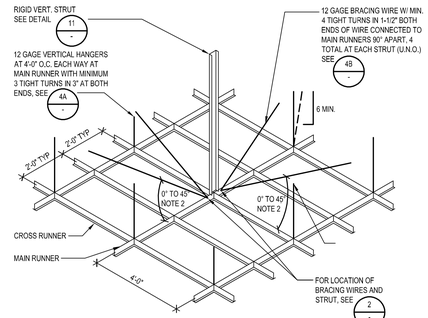
SCALE: N.T.S.



NOTE:
BRACING WIRES AND COMP. STRUT SHALL OCCUR AT EVERY 64 SQ. FT. MAX. IN ROOMS OVER 144 SQ. FT.

SUSPENSION AND BRACING ASSEMBLY — 3

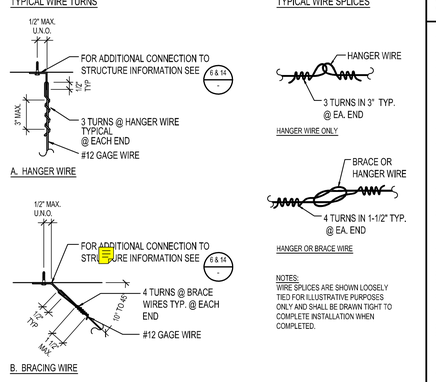
SCALE: N.T.S.



NOTES:
1. STRUTS SHALL NOT REPLACE HANGER WIRES
2. THE MINIMUM ACCEPTABLE ANGLE IS DETERMINED SUCH THAT THE WIRES DO NOT INTERFERE WITH THE RUNNERS. LIGHT FIXTURES, ETC. AND REMAIN STRAIGHT AND UNOBSTRUCTED.

HANGER & BRACING WIRE CONN., AND WIRE SPLICES — 4

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



NOTES:
WIRE SPLICES ARE SHOWN LOOSELY TIED FOR ILLUSTRATIVE PURPOSES ONLY AND SHALL BE DRAWN TIGHT TO COMPLETE INSTALLATION WHEN COMPLETED.

SUSPENDED ACOUSTICAL CEILING PANEL SYSTEM NOTES

SCALE: N.T.S.

T-BAR CEILING ASSEMBLY SHALL COMPLY WITH ALL REQUIREMENTS NOTED IN DSA IR 25-2.13

1. CEILING SYSTEM GENERAL NOTES:
1.01 CEILING SYSTEM COMPONENTS SHALL COMPLY WITH ASTM C635-07 AND SECTION 5.1 OF ASTM E580-10A.
1.02 THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINED BY ASTM C635-08.
1.03 CEILING SYSTEMS. THE FOLLOWING CEILING SYSTEM(S) IS/ARE PART OF THE SCOPE OF THIS PROJECT:
MANUFACTURER'S NAME: ARMSTRONG
PRODUCT EVALUATION REPORT TYPE AND NUMBER: ASTM E580/E580M SECTION 5.1.2.
MANUFACTURER'S MODEL NUMBER - MAIN RUNNER PRELUDE XL 730T
MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER XL732S- ICC-ESR-2631
1.04 SEISMIC WALL CLIP:
MANUFACTURER'S MODEL: SJCG (ARMSTRONG)
CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES. AIR TERMINALS OR DEVICES
1.05 FOR CEILING INSTALLATIONS UTILIZING ACOUSTICAL TILE PANELS OF MINERAL OR GLASS FIBER, IT IS NOT MANDATORY TO PROVIDE 3/4" CLEARANCE BETWEEN THE ACOUSTICAL TILE PANELS AND THE WALL ON THE SIDES OF THE CEILING WHICH ARE FREE TO SLIP. FOR OTHER CEILING PANEL TYPES, PROVIDE 3/4" CLEARANCE BETWEEN THE CEILING PANEL AND THE WALL ON THE SIDES OF THE CEILING FREE TO SLIP.
1.06

2. MATERIALS:
2.01 CEILING WIRE SHALL BE CLASS 1 ZINC COATED (GALVANIZED) CARBON STEEL CONFORMING TO ASTM A641-09A. WIRE SHALL BE #12 GAGE (0.100" DIAMETER) WITH SOFT TEMPER AND MINIMUM TENSILE STRENGTH = 70 KSI.
2.02 GALVANIZED SHEET STEEL (INCLUDING THAT USED FOR METAL STUD AND TRACK COMPRESSION STRUTS/POST) SHALL CONFORM TO ASTM A653-11, OR OTHER EQUIVALENT SHEET STEEL LISTED IN SECTION A2.1 OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS 2016 (AISI S100-16). MATERIAL 43 MIL (18 GAGE) AND LIGHTER SHALL HAVE MINIMUM YIELD STRENGTH OF 33 KSI. MATERIAL 54 MIL (16 GAGE) AND HEAVIER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KSI.
2.03 ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 GALVANIZING. EMT SHALL HAVE MINIMUM YIELD STRENGTH (FY) OF 30 KSI AND MINIMUM ULTIMATE STRENGTH (FU) OF 48 KSI.

3. ATTACHMENT OF HANGER AND BRACING WIRES:
3.01 SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC.
3.02 HANGER AND BRACING WIRES SHALL NOT ATTACH TO OR BEND AROUND OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO: PIPING, DUCTWORK, CONDUIT AND EQUIPMENT.
3.03 HANGER WIRES THAT ARE MORE THAN ONE (HORIZONTAL) IN SIX (VERTICAL) OUT OF PLUMB SHALL HAVE COUNTER-SLOPING WIRES.
3.04 SLACK SAFETY WIRES SHALL BE CONSIDERED HANGER WIRES FOR INSTALLATION AND TESTING REQUIREMENTS.
3.05 HANGER AND BRACING WIRE ANCHORAGE TO THE STRUCTURE SHALL BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHORAGE ALIGNS CLOSELY WITH THE DIRECTION OF THE WIRE. (E.G. BRACING WIRE CEILING CLIPS MUST BE BENT AS SHOWN IN THE DETAILS AND ROTATED AS REQUIRED TO ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE. SCREW EYES IN WOOD MUST BE INSTALLED SO THEY ALIGN CLOSELY WITH THE DIRECTION OF THE WIRE, ETC.)

4. FASTENERS AND WELDING:
4.01 SHEET METAL SCREWS SHALL COMPLY WITH ASTM C1513-10. ASME B18.6.4-89 (R2005). PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN THREE EXPOSED THREADS.
4.02 EXPANSION ANCHORS SHALL BE: (RDP TO INDICATE MANUFACTURER, PRODUCT, EVALUATION REPORT NUMBER AND LOAD FOR EACH SIZE SPECIFIED PER CBC 1913A.7.2.)
4.03 POWER-ACTUATED FASTENERS SHALL BE: (RDP TO INDICATE MANUFACTURER, PRODUCT, EVALUATION REPORT NUMBER)
4.04 IF NOT OTHERWISE SPECIFIED IN THE EVALUATION REPORT, POWER-ACTUATED FASTENERS INSTALLED IN STEEL SHALL BE INSTALLED SO THE ENTIRE POINTED END OF THE FASTENER IS DRIVEN THROUGH THE STEEL MEMBER.
4.05 POWER-ACTUATED FASTENERS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.
4.06 CONCRETE REINFORCEMENT AND PRESTRESSING TENDONS SHALL BE LOCATED BY NON-DESTRUCTIVE MEANS PRIOR TO INSTALLING POST - INSTALLED ANCHOR.
4.07 WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3 USING E60XX SERIES ELECTRODES.

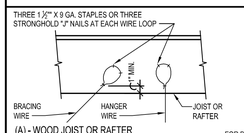
5. TESTING: ALL FIELD TESTING MUST BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR.
5.01 POST-INSTALLED ANCHORS IN CONCRETE USED TO SUPPORT HANGER WIRES SHALL BE TESTED AT A FREQUENCY OF 10 PERCENT. POWER ACTUATED FASTENERS IN CONCRETE SHALL BE FIELD TESTED FOR 200 LBS. IN TENSION. ALL OTHER POST-INSTALLED ANCHORS IN CONCRETE SHALL BE TESTED IN ACCORDANCE WITH CBC SECTION 1913A.7
5.02 POST-INSTALLED ANCHORS IN CONCRETE USED TO ATTACH BRACING WIRES SHALL BE TESTED AT A FREQUENCY OF 50 PERCENT IN ACCORDANCE WITH CBC SECTION 1913A.7.

6. LIGHT FIXTURES:
6.01 ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE. A MINIMUM OF TWO SCREWS OR APPROVED FASTENERS ARE REQUIRED AT EACH LIGHT FIXTURE. PER ASTM E580, SECTION 5.3.1.
6.02 SURFACE-MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES. THE CLAMPING DEVICE SHALL COMPLETELY SURROUND THE SUPPORTING CEILING RUNNER, AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF #14 GAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE LARGER (6) FEET OR LONGER OR EXCEED 10 LBS. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED EIGHT (8) FEET.
6.03 LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE A MINIMUM OF ONE (1) #12 GAGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.
6.04 LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE A MINIMUM OF ONE (1) #12 GAGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.
6.05 LIGHT FIXTURES WEIGHING GREATER THAN 10 LB. BUT LESS THAN OR EQUAL TO 56 LBS. MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE. EXCEPTION: ALL LIGHT FIXTURES GREATER THAN TWO BY FOUR FEET WEIGHING LESS THAN 56 LBS. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE AT EACH CORNER.
6.06 ALL LIGHT FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAGE HANGER WIRES (ONE AT EACH CORNER) ATTACHED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS. THE FOUR (4) TAUT #12 GAGE WIRES OR OTHER APPROVED HANGERS, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE.

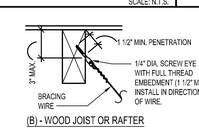
7. SERVICES WITHIN THE CEILING:
7.01 ALL FLEXIBLE SPRINKLER HOSE FITTING MOUNTING BRACKETS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS. SCREWS OR APPROVED FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH COMPONENT.
7.02 CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING LESS THAN OR EQUAL TO 20 LB. SHALL HAVE ONE (1) #12 GAGE SLACK SAFETY WIRE ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.03 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 20 LB. BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO (2) #12 GAGE SLACK SAFETY WIRES (AT DIAGONAL CORNERS) CONNECTED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.04 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY NOT LESS THAN FOUR (4) TAUT #12 GAGE HANGER WIRES ATTACHED FROM THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS.

8. OTHER DEVICES WITHIN THE CEILING:
8.01 ALL LIGHTWEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHING MORE THAN 20 LB. SHALL BE SUPPORTED INDEPENDENTLY FROM THE STRUCTURE ABOVE.

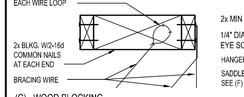
(A) - WOOD JOIST OR RAFTER



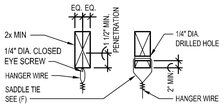
(B) - WOOD JOIST OR RAFTER



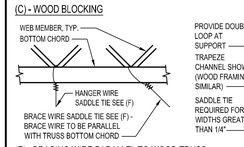
(C) - WOOD BLOCKING



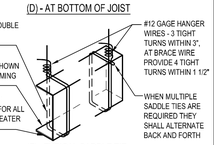
(D) - AT BOTTOM OF JOIST



(E) - BRACING WIRE PARALLEL TO WOOD TRUSS

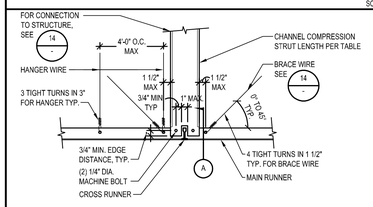


(F) - TYPICAL SADDLE TIE



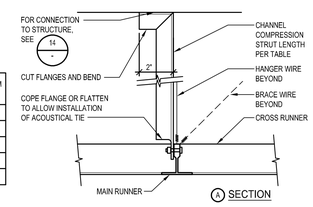
WIRE CONNECTIONS TO WOOD FRAMING — 6

SCALE: N.T.S.



CHANNEL COMPRESSION STRUT TABLE

CHANNEL COMPRESSION STRUT	MAXIMUM LENGTH
250S125-33	5'-0"
250S137-33	6'-10"
362S137-33	8'-4"
250137-43	8'-10"
400S137-43	10'-10"

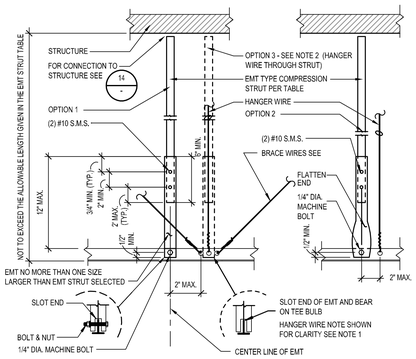


CHANNEL COMPRESSION STRUT — 11

SCALE: N.T.S.

CEILING PERIMETER JOINTS — 8

SCALE: N.T.S.



CHANNEL COMPRESSION STRUT TABLE

EMT COMPRESSION STRUT	MAXIMUM LENGTH
1/2" DIAMETER EMT (0.042" WALL THICKNESS)	3'-11"
3/4" DIAMETER EMT (0.049" WALL THICKNESS)	5'-9"
1" DIAMETER EMT (0.057" WALL THICKNESS)	6'-4"
1 1/4" DIAMETER EMT (0.065" WALL THICKNESS)	12'-9"
1 1/2" DIAMETER EMT (0.065" WALL THICKNESS)	14'-9"
2" DIAMETER EMT (0.065" WALL THICKNESS)	18'-10"

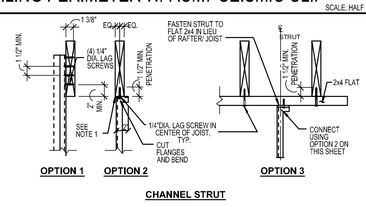
NOTES:
1. MACHINE BOLT IS NOT REQUIRED ON OPTION 3
2. APPLICABLE TO SAWN TIMBER WITHOUT GYPSUM BOARD ONLY.
3. FOR OPTION 2, SEE OPTION 1 FOR INFORMATION NOT SHOWN.

EMT COMPRESSION STRUT — 13

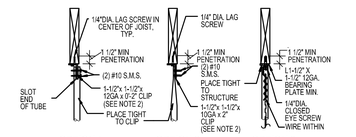
SCALE: 1-1/2" = 1'-0"

CEILING PERIMETER W/ ACM7 SEISMIC CLIP — 9

SCALE: HALF



CHANNEL STRUT



TUBE STRUT

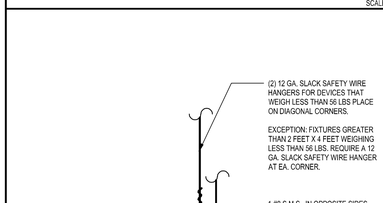
NOTES:
1. WEB OF CHANNEL TO BEAR WITHIN WIDTH OF WOOD MEMBER.
2. VERTICAL LEG OF MEMBER TO FALL WITHIN THE WIDTH OF THE WOOD MEMBER.

STRUT CONNECTIONS TO STRUCTURE — 14

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

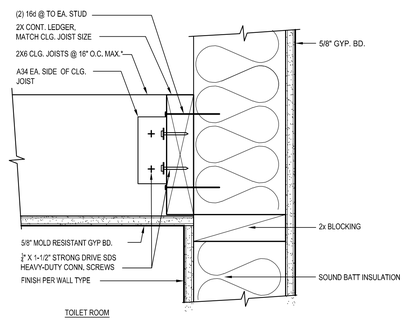
SUSPENDED LAY-IN PANEL CLG. SYSTEM NOTES — 10

SCALE: N.T.S.



LIGHT FIXTURE / MECH. REGISTER SUPPORT — 16

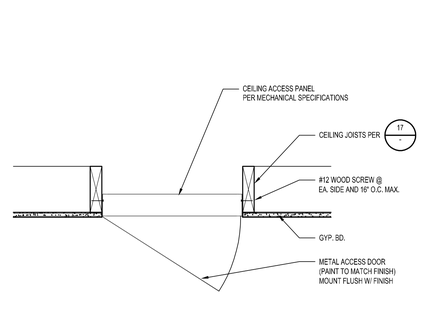
SCALE: 3" = 1'-0"



*FOR ADDITIONAL INFORMATION, SEE STRUCTURAL DETAIL 13/ S11-2.

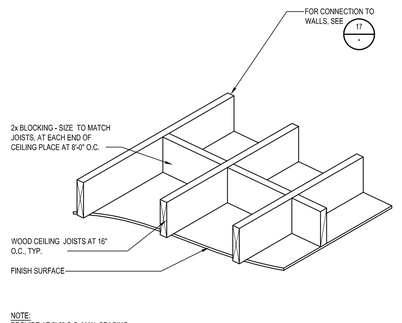
FRAMED GYP. BD. CEILING — 17

SCALE: 3" = 1'-0"



CEILING ACCESS PANEL — 18

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

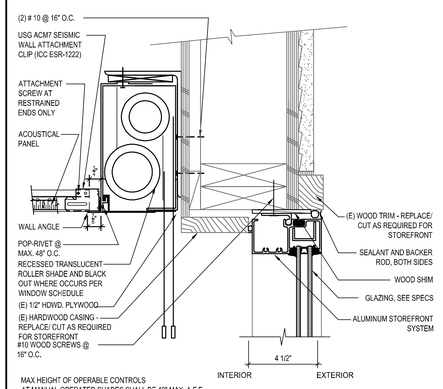


NOTE:
PROVIDE AT 8'-0" O.C. MAX. SPACING

GYPSUM SCREW SPACING 8" O.C. FROM EDGE AND 12" O.C. FIELD SPACING

CEILING JOIST BRACING — 19

SCALE: N.T.S.



MAX HEIGHT OF OPERABLE CONTROLS AT MANUAL OPERATED SHADES SHALL BE 48" MAX. A.F.F.

SUSPENDED CLG. EDGE @ SHADES HOUSING — 20

SCALE: 3" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture planning interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

owner

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

COMPTON COMMUNITY COLLEGE DISTRICT
11111 E. ARTESIA BLVD.
COMPTON, CA 90221

tBP project number : 20987.00

file name: DI-0501.dwg

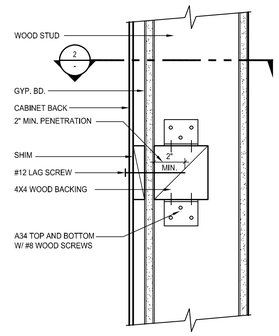
drawn by:E. LINARES checked by: T. HALL

date: 8.29.19

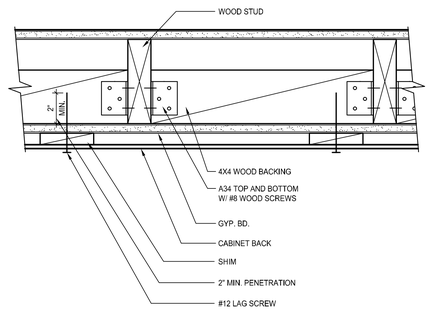
Rev:	date:	description:

drawing title:
CEILING DETAILS

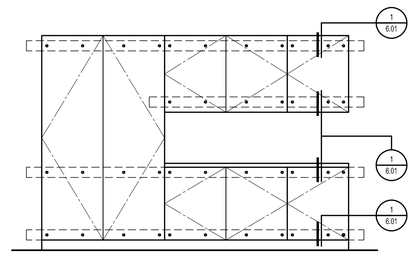
drawing no.:
5.01
drawing of



BACKING SECTION - WOOD STUDS — SCALE: 3" = 1'-0" — 1



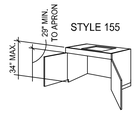
BACKING SECTION - WOOD STUDS — SCALE: 3" = 1'-0" — 2



1. #12 LAG SCREWS (AT WOOD STUDS) OR #12 TEK SCREWS (AT METAL STUDS) SPACE ANCHORS AT 16" O.C. , MINIMUM OF ONE SCREW AT EACH TOP AND BOTTOM CORNER OF EACH CABINET UNIT.
2. SEE INTERIOR ELEVATIONS AND FLOOR PLANS FOR CABINET CONFIGURATION AND DIMENSIONS.
3. STUDS OF WALLS BACKING CABINETS SHALL RUN FROM SLAB TO STRUCTURE ABOVE.
4. AT C.M.U. PROVIDE 3/8" HILTI KWIK BOLT 3 MASONRY ANCHORS (ICC # 1385) WITH 2-1/2" MIN. EMBEDMENT.
5. SEE DETAIL 1 & 2 FOR WALL BACKING AT WOOD STUDS.

BACKING AND ANCHORAGE DETAIL — SCALE: 1/2" = 1'-0" — 3

100 SERIES - BASE CABINET DESIGNS



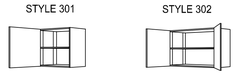
ADA SINK WITHOUT BASE
5" MAX. EXPOSED APRON
SEE ABOVE DIMENSIONS

STORAGE APRON
6" HIGH

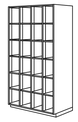
200 SERIES - DRAWER BASE CABINET DESIGNS

SINGLE DRAWER — TWO DRAWERS — DRAWER APRON 6" HIGH, EQUAL DRAWER WIDTHS

300 SERIES - WALL HUNG CABINET DESIGNS



400 SERIES - TALL STORAGE CABINET DESIGNS



GENERAL NOTES

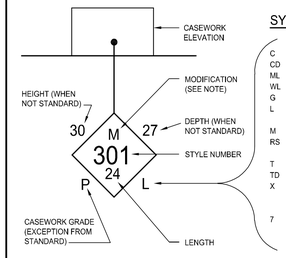
CASEWORK

1. ONLY THOSE CABINETS CALLED OUT ON BUILDING INTERIOR ELEVATIONS AND FLOOR PLANS SHALL BE PROVIDED.
2. DOOR SWINGS SHALL BE AS SHOWN ON INTERIOR ELEVATIONS. IF NOT ELEVATED, SWINGS SHALL BE AS SHOWN ON DETAIL SHEET ILLUSTRATIONS. SYMBOL 'RS' INDICATES REVERSE SWING.
3. ALL CABINET DIMENSIONS INDICATED ARE NOMINAL OUTSIDE DIMENSIONS, AND SHALL NOT BE EXCEEDED; (EXCEPTION - CABINETS ADJACENT TO WALLS MAY BE INCREASED IN LENGTH TO ELIMINATE THE NEED FOR FILLER STRIPS). A 3/4" TOLERANCE IS PERMITTED ON DIMENSIONS OVER 48". FOR 48" AND SMALLER DIMENSIONS, TOLERANCE IS LIMITED TO ½₆". HEIGHT DIMENSION OF BASE CABINETS INCLUDES FINISHED TOP.
4. ALIGN SIDE OF CABINET WITH EDGE OF DOOR FRAME WHERE OCCURS.
5. PAPER AND CHART STORAGE UNITS SHALL BE 27" DEEP UNLESS OTHER WISE NOTED.
6. ALL CASEWORK SHOWN ON INTERIOR ELEVATION SHALL HAVE ADJUSTABLE SHELVES.

COUNTERTOPS AND BACKSPLASHES

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

SYMBOLS AND NOTATIONS FOR CABINETS



SYMBOL NOTATIONS

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

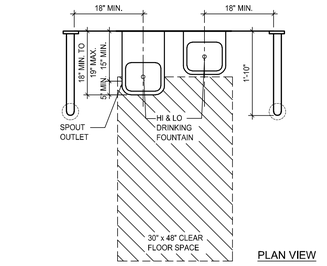
COUNTERTOP NOTATIONS

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

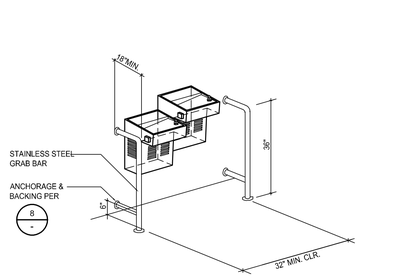
CASEWORK GRADES

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

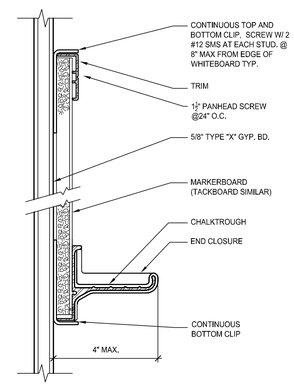
NOTE: SEE DETAIL 9 - FOR WIC DESIGN REFERENCE



TOILET GRAB BAR - WOOD STUD MOUNTED — SCALE: HALF — 7



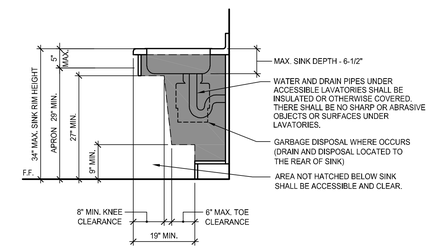
DRINKING FOUNTAIN GRAB BAR — SCALE: 3/4" = 1'-0" — 8



MARKERBOARD/TACKBOARD ATTACHMENT — SCALE: HALF — 14

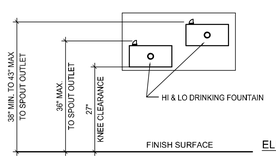
NOTES

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

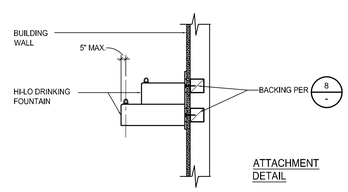


ACCESSIBLE SINK SECTION — SCALE: 3/4" = 1'-0" — 15

PLAN VIEW



ELEVATION

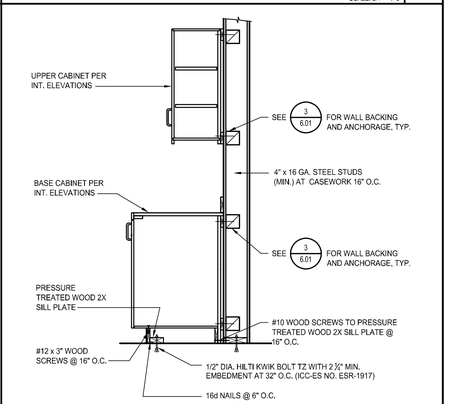


ATTACHMENT DETAIL

NOTES:

1. 50 PERCENT MIN. OF DRINKING FOUNTAINS TO BE ACCESSIBLE.
2. WHEN DRINKING FOUNTAINS ARE PROVIDED, A MIN OF ONE HIGH AND ONE LOW FOUNTAIN OR A HI-LO UNIT IS REQUIRED.
3. CONTROLS TO BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST.
4. FORCE REQUIRED TO ACTIVATE TO BE 5 LB MAX.
5. PROVIDE WATER FLOW OF 4" HIGH MIN. AND 15 DEG MAX RUNNING PARALLEL TO THE FRONT OF THE UNIT IF SPOUT IS 5" BACK; IF LESS THAN 3", THEN ANGLE CAN BE 30 DEGREES MAX; ROUND OR OVAL BOWLS TO HAVE SPOUT WITHIN 3" OF FRONT EDGE.
6. ALL DRINKING FOUNTAINS WHETHER HIGH OR LOW CAN PROTRUDE 4" MAX BEYOND THE ALCOVE OR FACE OF WALL INTO A WALKWAY IF THE BOTTOM IS HIGHER THAN 27" CLR AFF.
7. INDIVIDUAL ALCOVE TO BE 18" MIN. DEEP WITH A 32" CLR WIDTH, PROVIDE 36" CLR IF WING WALLS ARE >24" DEEP.
8. ALL DRINKING FOUNTAINS WHETHER HIGH OR LOW TO BE IN A 32" MIN. WIDTH RECESSED ALCOVE OR NON-ALCOVE POSITION, SO THERE IS NO ENCROACHMENT IN PEDESTRIAN WAY.
9. AT NON-ALCOVE DRINKING FOUNTAIN LOCATIONS, PROVIDE GRAB BARS.
10. ACTIVATOR SHALL BE FRONT OR SIDE MOUNTED NEAR THE FRONT; ACTIVATOR TO BE 5" FOR ADULT FROM FRONT EDGE AND 36" MAX AFF OR ELECTRONICALLY CONTROLLED.
11. PROVIDE 30" MIN WIDE KNEE AND TOE CLEARANCE CENTERED ON THE DRINKING FOUNTAIN.

ACCESSIBLE DRINKING FOUNTAIN — SCALE: 3/4" = 1'-0" — 18



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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

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

owner

tBP project number : 20987.00

file name:

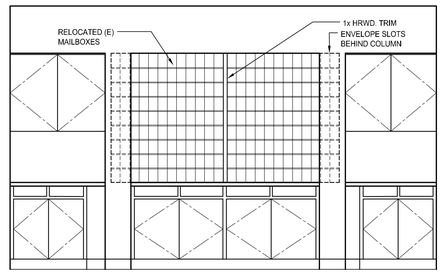
drawn by:E. LINARES checked by: T. HALL

date: 8.29.19

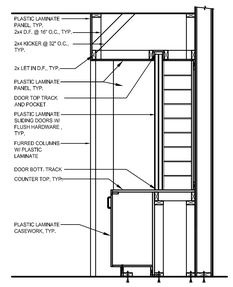
Rev:	date:	description:

drawing title:
CASEWORK & MISC. DETAILS

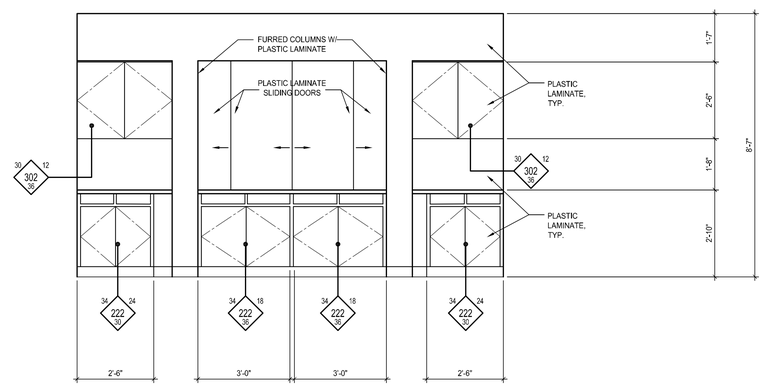
drawing no.:
6.01
drawing of



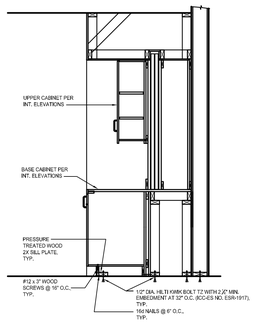
MAILBOX CASEWORK - ENVELOPE SLOTS ELEVATION — SCALE: 1/2" = 1'-0" — 3



MAILBOX CASEWORK - SECTION — SCALE: 1/2" = 1'-0" — 8

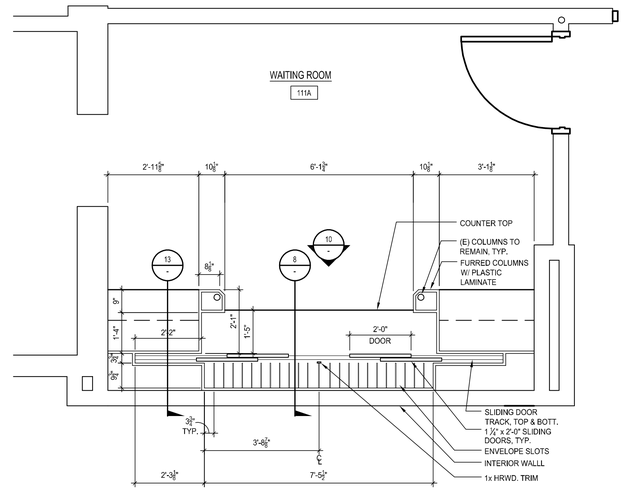


MAILBOX CASEWORK - INTERIOR ELEVATION — SCALE: 1/2" = 1'-0" — 10



NOTE:
1. FOR BACKING REFER TO 3/6.01.
2. FOR CASEWORK ANCHORAGE REFER TO 20/6.01.

CASEWORK - SECTION — SCALE: 1/2" = 1'-0" — 13



MAILBOX CASEWORK - PLAN — SCALE: 1/2" = 1'-0" — 20

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

LICENSED ARCHITECT RENEWAL 08/31/2021 STATE OF CALIFORNIA

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

owner

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

tBP project number : 20987.00

file name:

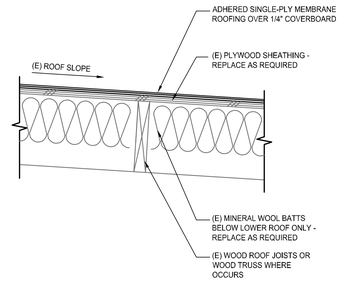
drawn by: E. LINARES checked by: T. HALL

date: 8.29.19

Rev:	date:	description:

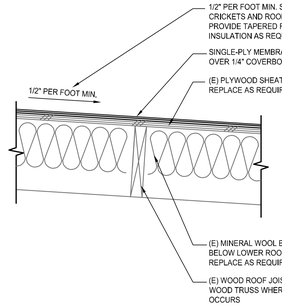
drawing title:
CASEWORK & MISC. DETAILS

drawing no.:
6.02
drawing of

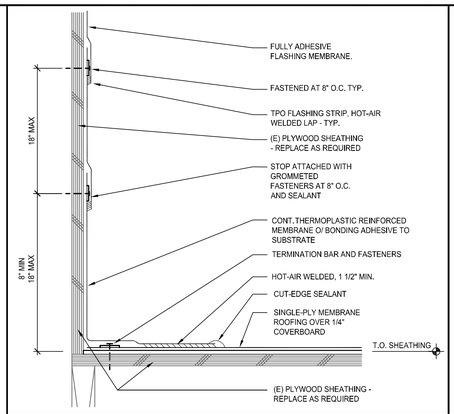


NOTE:
ROOFING FASTENERS SHALL HAVE A MINIMUM ONE INCH EMBEDMENT INTO STRUCTURAL WOOD ROOF JOISTS AND BLOCKING.

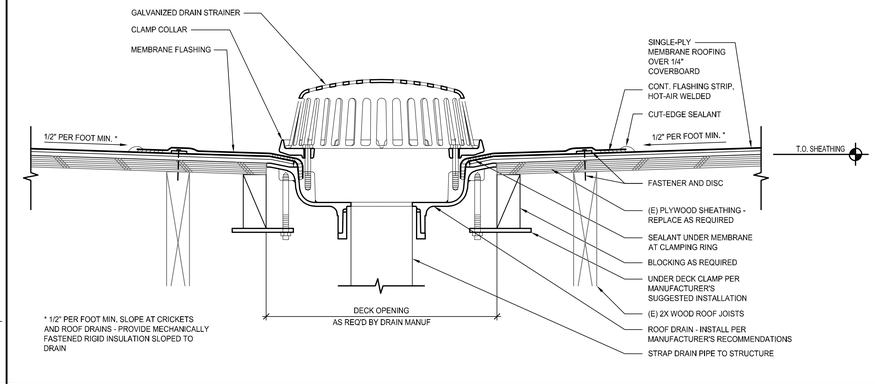
TYP. SINGLE-PLY ROOFING O/ (E) WOOD DECK — SCALE: 1-1/2" = 1'-0" — 1



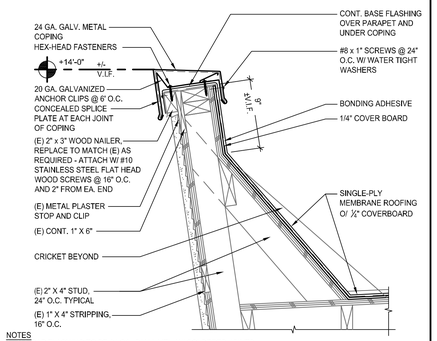
TYP. ROOF CRICKET — SCALE: 1-1/2" = 1'-0" — 2



SINGLE-PLY ROOFING AT PARAPET — SCALE: 3" = 1'-0" — 3

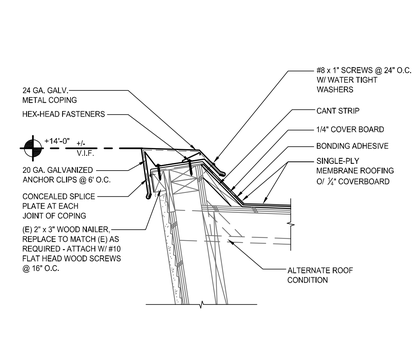


ROOF DRAIN — SCALE: 3" = 1'-0" — 5

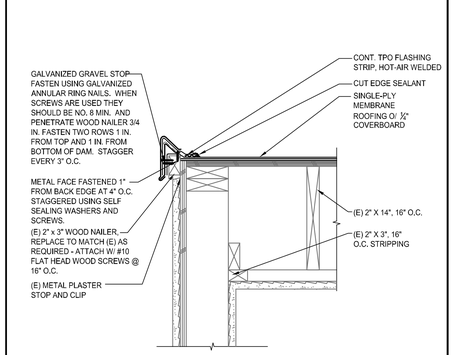


NOTES
1. ALL CAP FLASHING TO BE 24 GA. GALV. MTL. W/ SOLDERED JOINTS.
2. ALL CORNERS TO BE MITERED AND SOLDERED.
3. ALL FLASHING TO BE PAINTED W/ HIGH PERFORMANCE PAINT TO MATCH (E).
4. FASTENERS TO HAVE SEALING WASHERS SET IN MASTIC, TYP.
5. REPLACE AS REQUIRED DAMAGED PARAPET SHEATHING W/ 1/2" FIRE RETARDANT PLYWOOD.

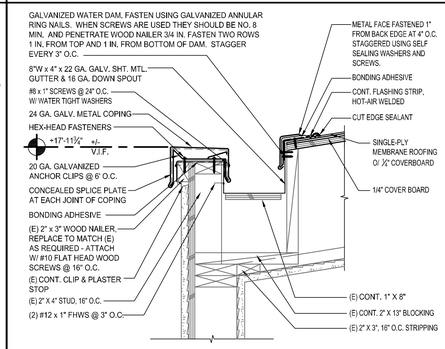
PARAPET — SCALE: 1-1/2" = 1'-0" — 6



PARAPET COPING — SCALE: 1-1/2" = 1'-0" — 7

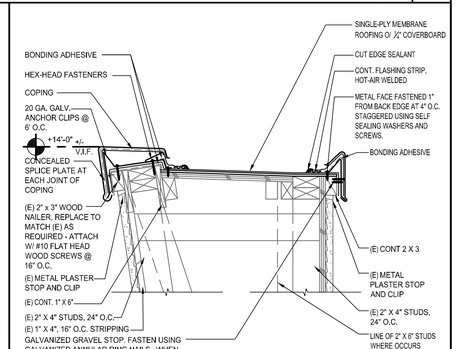


RAKE — SCALE: 1-1/2" = 1'-0" — 8

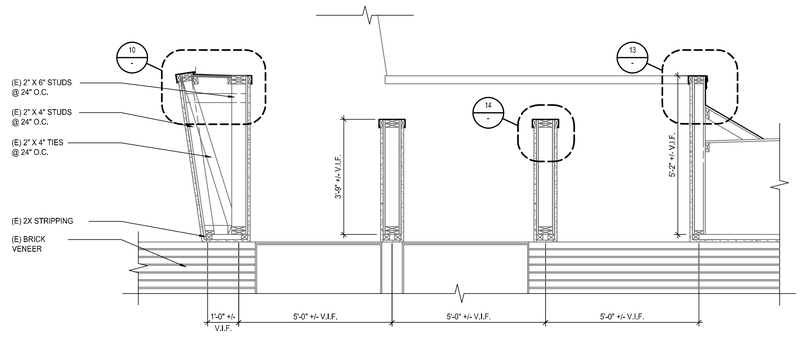


NOTES:
1. (E) ASSEMBLY SHOWN IS BASED OFF OF ORIGINAL 1952 RECORD DRAWINGS. CONTRACTOR TO VERIFY IN FIELD (V.I.F.) ACTUAL FIELD CONDITIONS.

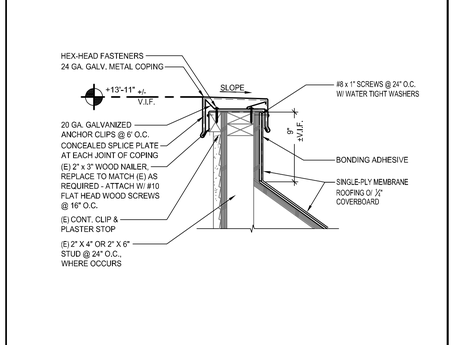
BUILT-IN GUTTER — SCALE: 1-1/2" = 1'-0" — 9



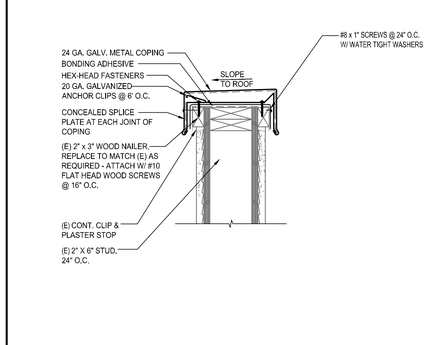
PARAPET COPING — SCALE: 1-1/2" = 1'-0" — 10



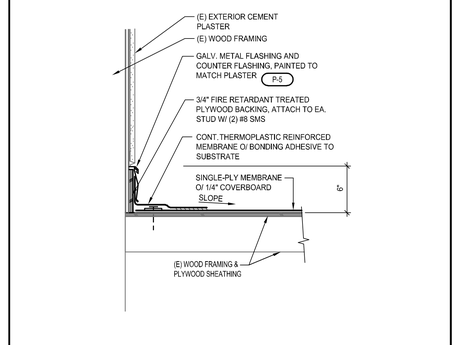
LONGITUDINAL SECTION — SCALE: 1/2" = 1'-0" — 12



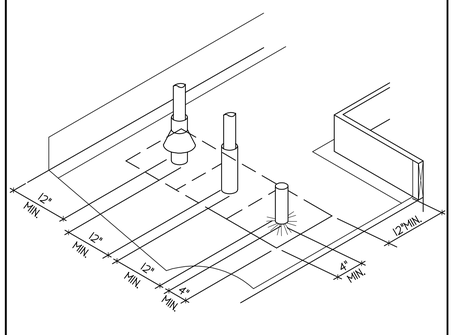
COPING — SCALE: 1-1/2" = 1'-0" — 13



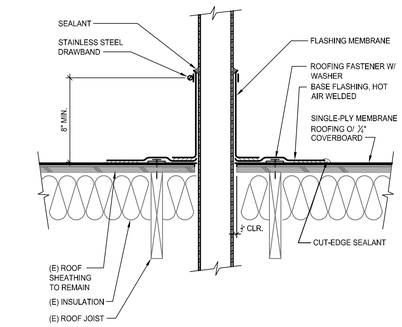
CAP FLASHING — SCALE: 1-1/2" = 1'-0" — 14



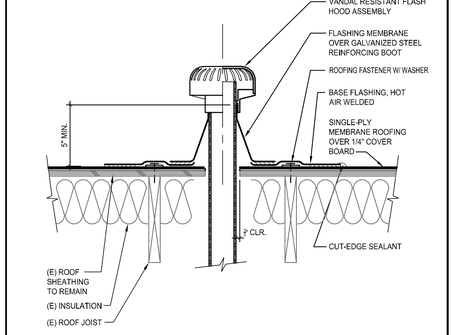
ROOF CONNECTION AT WALL — SCALE: 1-1/2" = 1'-0" — 15



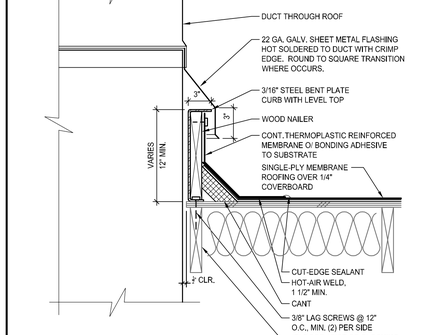
CLEARANCES FOR MULTIPLE PIPES — SCALE: 1-1/2" = 1'-0" — 16



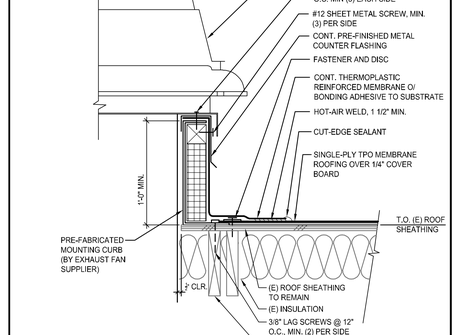
PIPE PENETRATION FLASHING — SCALE: 1-1/2" = 1'-0" — 17



VENT PIPE W/ VANDAL RESISTANT HOOD — SCALE: 1-1/2" = 1'-0" — 18



DUCT PENETRATION CURB — SCALE: 1-1/2" = 1'-0" — 19



SELF-FLASHED EXHAUST FAN CURB — SCALE: 1-1/2" = 1'-0" — 20

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

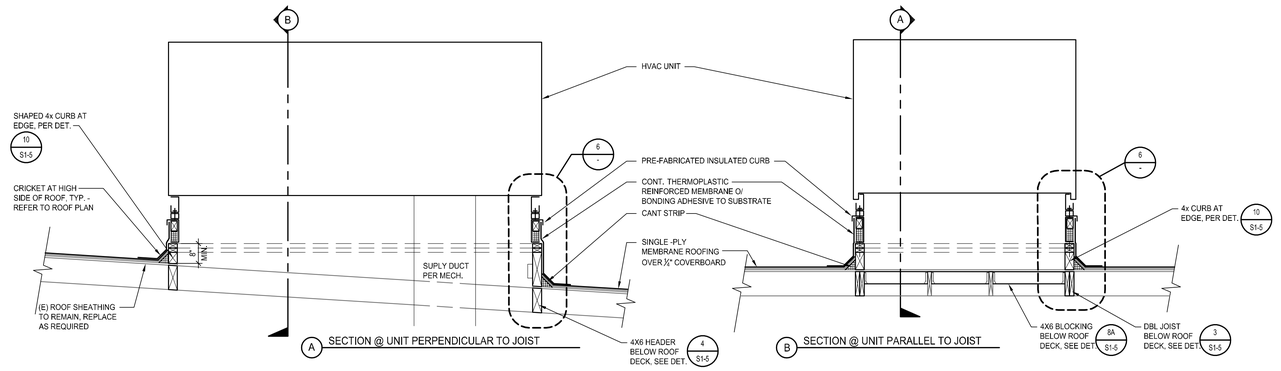
owner

tBP project number : 20987.00
file name:
drawn by£. LINARES checked by: T. HALL
date: 8.29.19

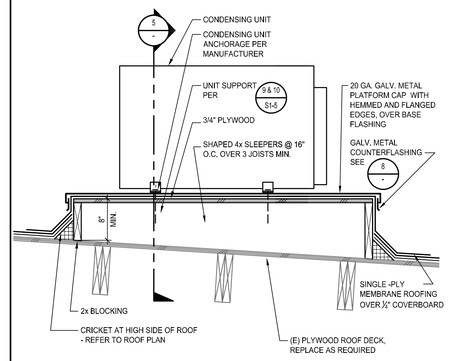
Rev:	date:	description:

drawing title:
ROOF DETAILS

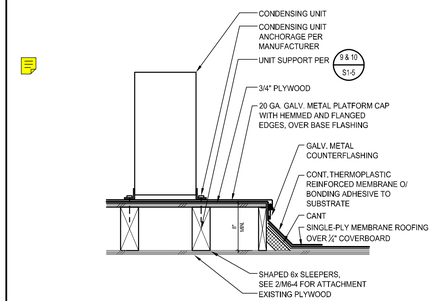
drawing no.:
7.01
drawing of



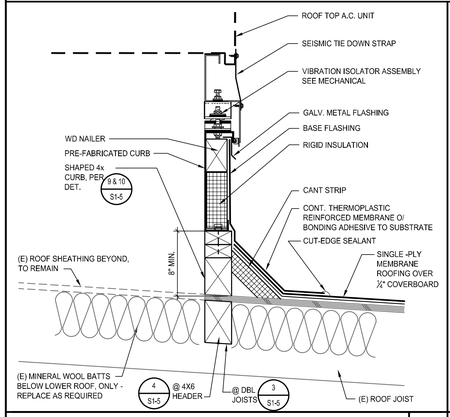
CURB @ ROOFTOP A.C. UNIT — SCALE: 1/2" = 1'-0" — 3



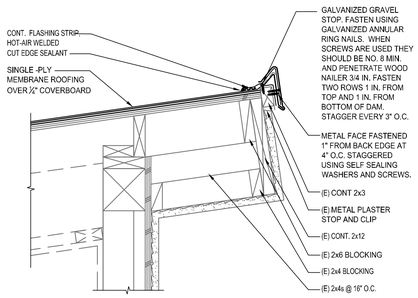
CONDENSING UNIT PLATFORM — SCALE: 1" = 1'-0" — 4



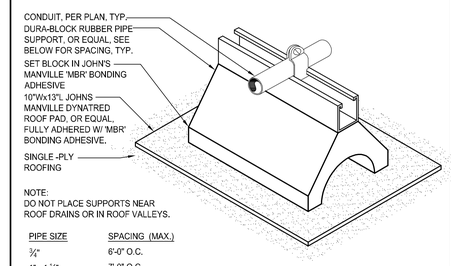
CONDENSING UNIT PLATFORM — SCALE: 1" = 1'-0" — 5



CURB @ ROOFTOP A.C. UNIT — SCALE: 1-1/2" = 1'-0" — 6

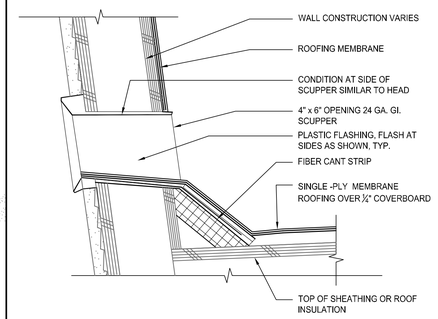


UPPER ROOF OVERHANG — SCALE: 1-1/2" = 1'-0" — 8

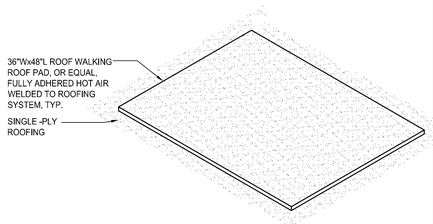


PIPE SIZE	SPACING (MAX.)
¾"	6'-0" O.C.
1" - 1 ¼"	7'-0" O.C.
1 ½"	8'-0" O.C.
2" - 4"	10'-0" O.C.

PIPE SUPPORT BLOCK — SCALE: 3" = 1'-0" — 9



ROOF OVERFLOW SCUPPER — SCALE: 3" = 1'-0" — 10



HEAT WELDED ROOF WALKING PAD DETAIL — SCALE: 3" = 1'-0" — 9

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors

LICENSED ARCHITECT REGISTERED PROFESSIONAL ENGINEER CIVIL STRUCTURAL STATE OF CALIFORNIA

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name:

drawn by:£. LINARES checked by: T. HALL

date: 8.29.19

Rev:	date:	description:

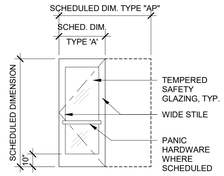
drawing title:
ROOF DETAILS

drawing no.:
7.02
drawing of

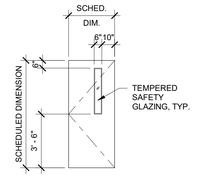
DOOR SCHEDULE

#	W	HT.	TYPE	DOOR MATL.	DOOR FIN.	DOOR COLOR	FRAME MATL.	FRAME FIN.	DETAILS HEAD	DETAILS TRANSOM	DETAILS JAMB	DETAILS THRESHOLD	REMARKS	ASSEMBLY FIRE RATING	SIGNAGE TEXT	SIGNAGE DETAIL
Exterior																
001	8' - 2"	6' - 11"	E	ALUM.	F	AL-1	ALUM.	F								14/11.01
002	3' - 0"	7' - 0"	A	ALUM.	F	AL-1	ALUM.	F	1/8.01		3/8.01	20/8.01			WOMEN'S LOUNGE	
003	3' - 0"	7' - 0"	A-P	ALUM.	F	AL-1	ALUM.	F	1/8.02							14/11.01
004	3' - 0"	6' - 8"	B	ALUM.	F	AL-1	ALUM.	F	1/8.02	1/8.02	6/8.02	16/8.02	CARD READER, PANIC HARDWARE	N/A	OPEN OFFICE	11/11.01
005	3' - 0"	6' - 8"	B	ALUM.	F	AL-1	ALUM.	F	1/8.02	1/8.02	6/8.02	16/8.02	CARD READER, PANIC HARDWARE	N/A	OPEN OFFICE	11/11.01
006	8' - 5"	7' - 0"	D	ALUM.	F	AL-1	ALUM.	F							BOARD ROOM	11/11.01, 14/11.01
007	8' - 5"	7' - 0"	D	ALUM.	F	AL-1	ALUM.	F							BOARD ROOM	11/11.01, 14/11.01
008	3' - 0"	7' - 0"	A-P	ALUM.	F	AL-1	ALUM.	F								14/11.01
Interior																
102	3' - 0"	7' - 0"	C	SCN	F	WD-1	HM	PSG	4/8.02	N/A	9/8.02	19/8.02		N/A	STORAGE	11/11.01
107	3' - 0"	7' - 0"														
110	3' - 0"	7' - 0"	C	SCN	F	WD-1	HM	PSG	3/8.02	8/8.02	9/8.02	19/8.02	CARD READER	N/A	OPEN OFFICE	11/11.01
112	3' - 0"	7' - 0"	B	SCN	F	WD-1	HM	PSG	3/8.02	8/8.02	9/8.02	17/8.02		N/A	OFFICE	10/11.01
113	3' - 0"	7' - 0"	B	SCN	F	WD-1	HM	PSG	3/8.02	8/8.02	9/8.02	17/8.02		N/A	OFFICE	10/11.01
114	3' - 0"	7' - 0"	C	SCN	F	WD-1	HM	PSG	4/8.02	N/A	9/8.02	19/8.02		N/A	WORK/STORAGE	11/11.01
115	3' - 0"	7' - 0"	B	SCN	F	WD-1	HM	PSG	3/8.02	8/8.02	9/8.02	17/8.02		N/A	OFFICE	10/11.01
116	3' - 0"	7' - 0"	B	SCN	F	WD-1	HM	PSG	3/8.02	8/8.02	9/8.02	17/8.02		N/A	OFFICE	10/11.01
117	3' - 0"	7' - 0"	C	SCN	F	WD-1	HM	PSG	3/8.02	8/8.02	9/8.02	17/8.02		N/A	CONFERENCE	11 & 12/11.01
118	3' - 0"	7' - 0"	C	SCN	F	WD-1	HM	PSG	4/8.02	N/A	9/8.02	19/8.02		N/A	STORAGE	11/11.01
121	3' - 0"	7' - 0"	C	SCN	F	WD-1	HM	PSG	3/8.02	8/8.02	9/8.02	19/8.02	CARD READER	N/A	WAITING	11/11.01
123B	3' - 0"	7' - 0"	C	SCN	F	WD-1	HM	PSG	3/8.02	8/8.02	9/8.02	17/8.02		N/A	CONFERENCE	11 & 12/11.01
124	3' - 0"	7' - 0"	B	SCN	F	WD-1	HM	PSG	3/8.02	8/8.02	9/8.02	17/8.02		N/A	OFFICE	10/11.01
125	3' - 0"	7' - 0"	B	SCN	F	WD-1	HM	PSG	3/8.02	8/8.02	9/8.02	17/8.02		N/A	OFFICE	10/11.01
126	3' - 0"	7' - 0"	B	SCN	F	WD-1	HM	PSG	3/8.02	8/8.02	9/8.02	17/8.02		N/A	OFFICE	10/11.01
127	3' - 0"	7' - 0"	B	SCN	F	WD-1	HM	PSG	3/8.02	8/8.02	9/8.02	17/8.02		N/A	OFFICE	10/11.01
134A	3' - 0"	7' - 0"	C	SCN	F	WD-1	HM	PSG	4/8.02	N/A	9/8.02	19/8.02		N/A	STORAGE	11/11.01
134B	2' - 8"	3' - 6"	(E) C	SCP	PSG	-	(E) WD	PSG	(E)	N/A	(E)	(E)	EXISTING DOOR, CARD READER	N/A	N/A	-
140	3' - 0"	7' - 0"	A-P	ALUM.	F	AL-1	ALUM.	F								

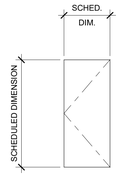
DOOR TYPES



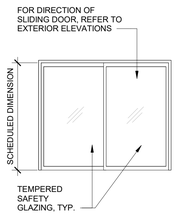
DOOR TYPE A



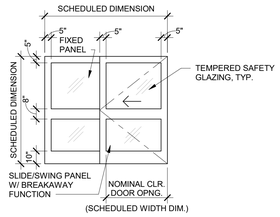
DOOR TYPE B



DOOR TYPE C



DOOR TYPE D



DOOR TYPE E

GENERAL NOTES

1. DOORS SHALL BE 1-3/4" THICK UNLESS NOTED OTHERWISE.
2. THE LETTER 'P' FOLLOWING THE 'DOOR TYPE' DESIGNATION IN THE DOOR SCHEDULE INDICATES PAIR OF DOORS. BOTH LEAVES ARE THE SAME SIZE, UNLESS NOTED OTHERWISE.
3. THE LETTER 'X' FOLLOWING THE 'DOOR TYPE' LETTER IN THE DOOR SCHEDULE INDICATES A FIXED PANEL ABOVE DOOR LEAF. SCHEDULE DIMENSION INCLUDES PANEL, UNLESS NOTED OTHERWISE.
4. FIXED PANELS SHALL BE OF THE SAME MATERIAL, CONSTRUCTION AND THICKNESS AS DOOR LEAF, AND SHALL BE PROVIDED BY THE SAME MANUFACTURER, UNLESS NOTED OTHERWISE.
5. THE LETTER 'L' FOLLOWING 'DOOR TYPE' DESIGNATION IN THE DOOR SCHEDULE INDICATES DOORS WITH LOUVERS. SEE DOOR TYPE FOR SIZE OF LOUVER.
6. LOUVERS IN EXTERIOR DOORS SHALL BE VANDAL-PROOF, SECURITY TYPE.
7. SEE REMARKS SECTION OF DOOR SCHEDULE FOR GLASS TYPES.
8. EXTERIOR DOOR REQUIREMENTS:
9. ALL EXTERIOR DOORS IN BUILDINGS, INCLUDING, BUT NOT LIMITED TO DOORS OF TOILETS AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE.
   - A. EXIT DOOR SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
   - B. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE FINISH FLOOR.
   - C. DEAD BOLTS ARE NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT LEVER TYPE HARDWARE.
   - D. ALL ROOMS SERVING AN OCCUPANCY LOAD OF 50 OR GREATER AND DOORS LOCATED ON THE DISCHARGE OF EXIT CORRIDORS ARE REQUIRED TO BE PROVIDED WITH PANIC HARDWARE (CBC 1008.1.10).
   - E. ALL FIRE DOOR LABELS SHALL COMPLY WITH CBC 715.4.6
10. FIRE ASSEMBLIES REQUIRED TO HAVE A ONE-HOUR FIRE-PROTECTION RATING SHALL BE EITHER AUTOMATIC OR SELF-CLOSING FIRE ASSEMBLIES TO BE ACTIVATED BY AN INCREASE IN TEMPERATURE SHALL HAVE HEAT-ACTIVATING DEVICES INSTALLED ON EACH SIDE OF THE WALL AT THE CEILING HEIGHT WHERE THE CEILING IS MORE THAN 3 FEET ABOVE THE TOP OF THE OPENING OR BY A SINGLE FUSSIBLE LINK IN THE OPENING INCORPORATED IN THE CLOSING DEVICE.
11. ALL FIRE-RESISTIVE ASSEMBIES FOR PROTECTED OPENINGS SHOULD COMPLY WITH SECTION 713 CBC.
12. SEE SPECIFICATION SECTION 08 71 00 FOR DOOR HARDWARE INDEX AND DOOR HARDWARE SETS.
13. FOR SIGN MOUNTING LOCATIONS AND MOUNTING HEIGHTS SEE DETAIL 5/11.01 AND SIGNAGE FLOOR PLAN (SHEET A11-1).
14. FIELD VERIFY ALL ROUGH OPENINGS AFTER REMOVAL OF (E) WINDOWS TO CONFIRM OPENING DIMENSIONS PRIOR TO PREPARING SHOP DRAWINGS AND INSTALLATION.

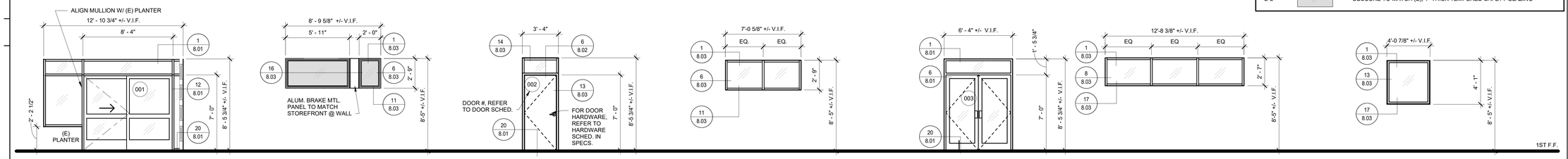
ABBREVIATIONS

AFP	ACCORDION TYPE PARTITION	MCN	MINERAL CORE NATURAL FINISH
ALUM	ALUMINUM	MCP	MINERAL CORE PAINT FINISH
AS	ACID STAIN	PE	PAINT EGGSHELL
ATFD	ACCORDION TYPE FIRE DOOR	PF	PAINT FLAT
DEM PART	DEMOUNTABLE PARTITION	PG	PAINT GLOSS
(E)	EXISTING	PSG	PAINT SEMI-GLOSS
EP	EPOXY PAINT	S.	SEAL
F	FACTORY FINISH	SCN	SOLID CORE NATURAL FINISH
FFD	FOLDING FABRIC DOOR	SCP	SOLID CORE PAINT FINISH
FFP	FOLDING PANEL PARTITION	SCPL	SOLID CORE PLASTIC LAMINATE
FFWD	FOLDING PANEL WOOD DOOR	STN	STAIN FINISH
GL	GLASS	SST	STAINLESS STEEL
HCN	HOLLOW CORE NATURAL FINISH	STL	STL
HCP	HOLLOW CORE PAINT FINISH	UG	UNGLAZED
HM	HOLLOW METAL	VF	VARNISH FINISH
LAQ	LACQUER FINISH	W	WAX

WINDOW SCHEDULE

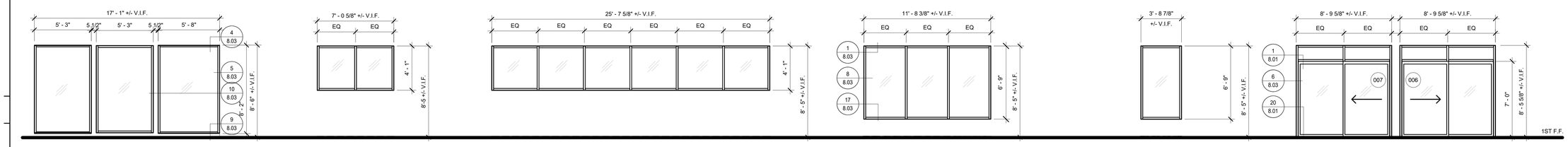
GLASS SCHEDULE INFORMATION

G-1		CLEAR, 1" THICK TEMPERED SAFETY GLAZING
G-2		OBSCURE TO MATCH (E), 1" THICK TEMPERED SAFETY GLAZING



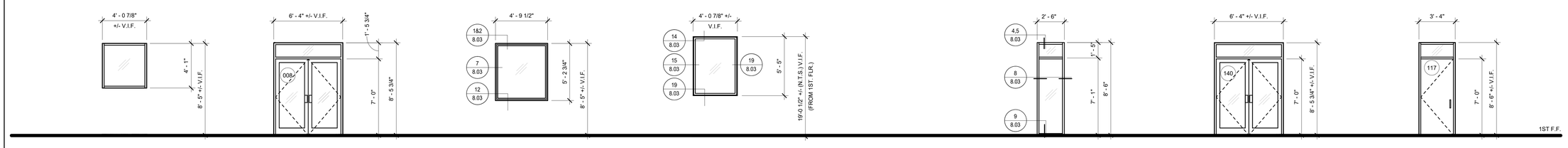
AL-1		AL-2		AL-3		AL-4		AL-5		AL-6		AL-7	
GLAZING TYPE	G-1	GLAZING TYPE	G-2	GLAZING TYPE	G-1	GLAZING TYPE	G-1	GLAZING TYPE	G-1	GLAZING TYPE	G-1	GLAZING TYPE	G-1
FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.
FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F
FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3

EXTERIOR WINDOWS



AL-9		AL-11		AL-12		AL-13		AL-14		AL-15	
GLAZING TYPE	G-1	GLAZING TYPE	G-1	GLAZING TYPE	G-1	GLAZING TYPE	G-1	GLAZING TYPE	G-1	GLAZING TYPE	G-1
FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.
FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F
FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3

EXTERIOR WINDOWS



AL-16		AL-17		AL-19		AL-21		ALI 101		ALI 102		ALI 103	
GLAZING TYPE	G-1	GLAZING TYPE	G-1	GLAZING TYPE	G-1	GLAZING TYPE	G-1	GLAZING TYPE	G-1	GLAZING TYPE	G-1	GLAZING TYPE	G-1
FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.	FRAME MATL.	ALUM.
FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F	FRAME FIN.	F
FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3	FRAME COLOR	P-3

EXTERIOR WINDOWS

INTERIOR WINDOWS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

owner

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

tBP project number: 20987.00

file name: CC_Admin Remodel_Central.rvt

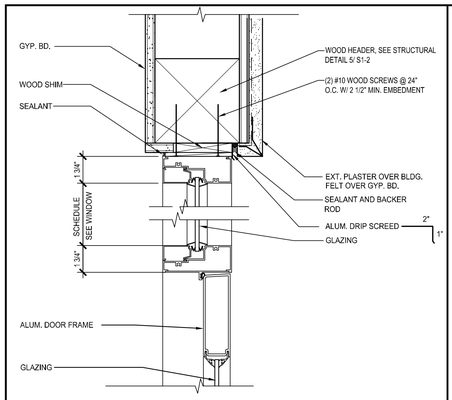
drawn by: Z. WEN checked by: T. HALL

date: 8.29.2019

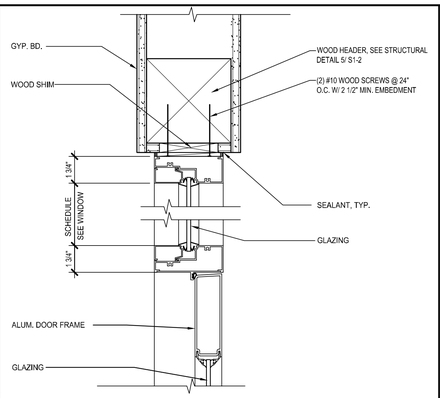
rev:	date:	description:

drawing title:
DOOR AND WINDOW SCHEDULE

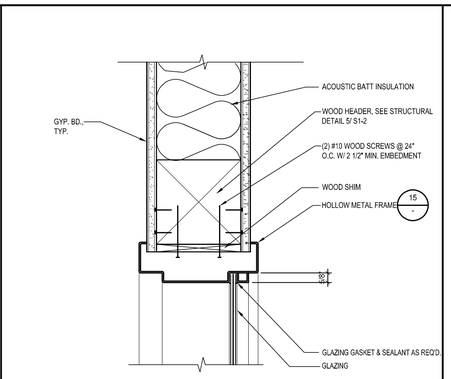
drawing no.:
8.00
drawing of



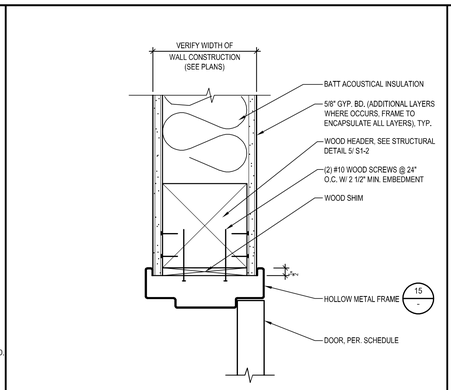
EXT. STOREFRONT DOOR HEAD @ TRANSOM — SCALE: 3" = 1'-0" — 1



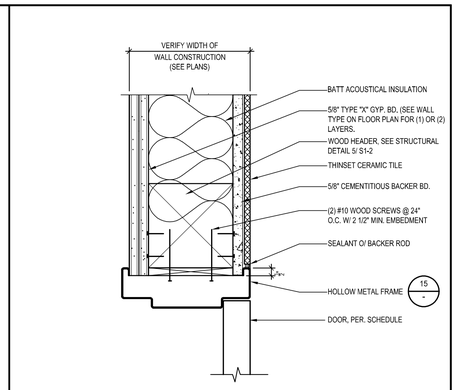
INT. STOREFRONT DOOR HEAD @ TRANSOM — SCALE: 3" = 1'-0" — 2



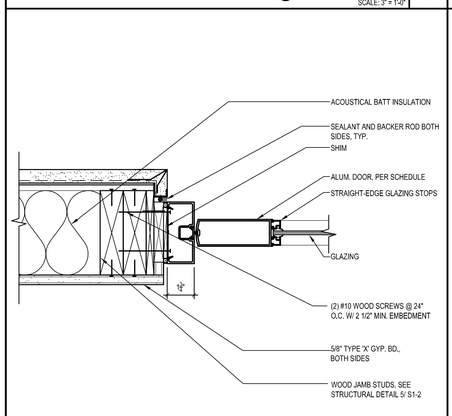
INTERIOR H.M. TRANSOM HEAD — SCALE: 3" = 1'-0" — 3



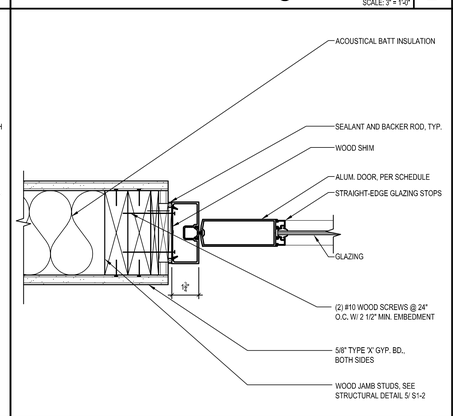
INTERIOR H.M. DOOR HEAD — SCALE: 3" = 1'-0" — 4



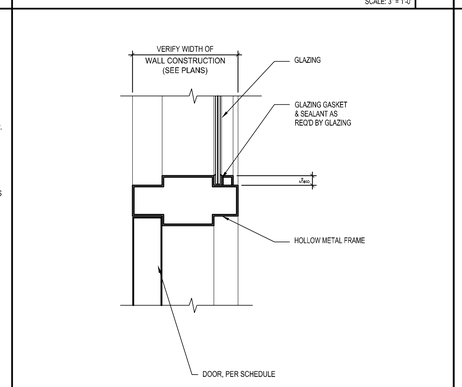
INT. H.M. DOOR HEAD @ TILED WALL — SCALE: 3"=1'-0" — 5



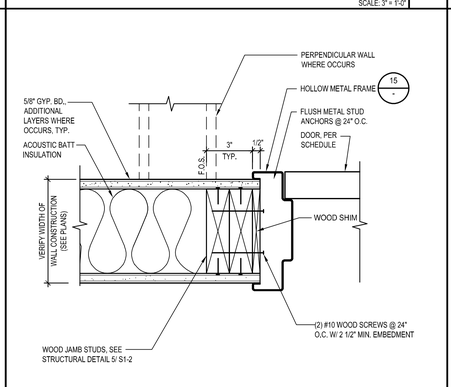
EXTERIOR STOREFRONT DOOR JAMB — SCALE: 3" = 1'-0" — 6



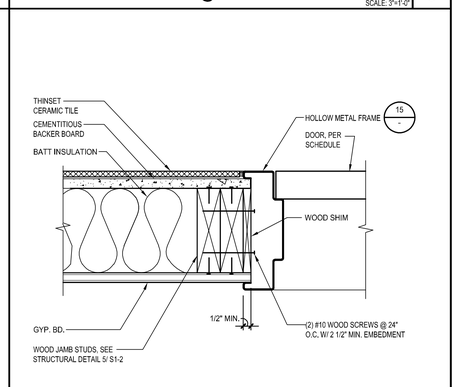
INTERIOR STOREFRONT DOOR JAMB — SCALE: 3" = 1'-0" — 7



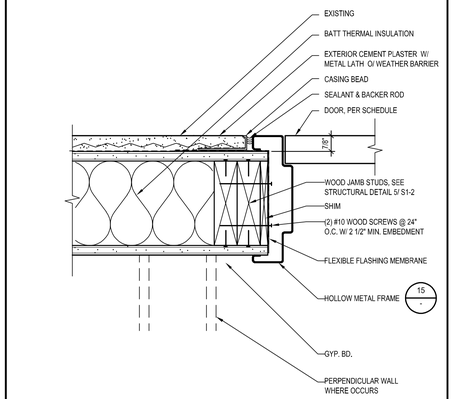
H.M. DOOR HEAD @ TRANSOM — SCALE: 3" = 1'-0" — 8



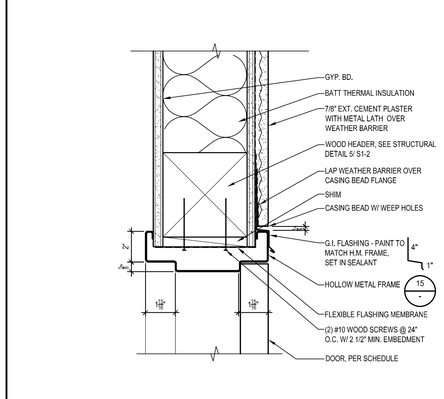
INTERIOR H.M. DOOR JAMB (HEAD SIM.) — SCALE: 3" = 1'-0" — 9



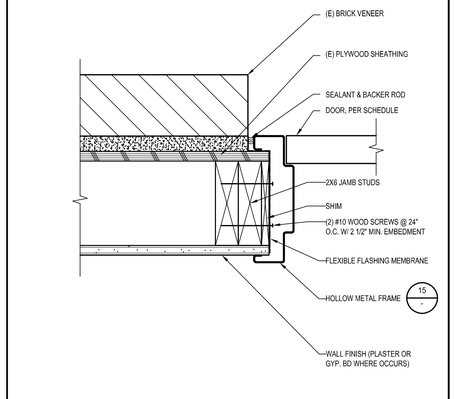
INTERIOR H.M. DOOR JAMB @ TILE WALL — SCALE: 3" = 1'-0" — 10



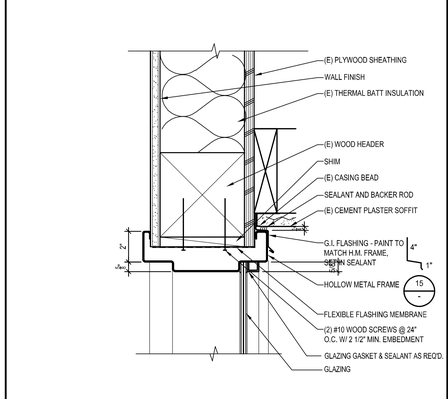
EXTERIOR H.M. JAMB DETAIL — SCALE: 3" = 1'-0" — 11



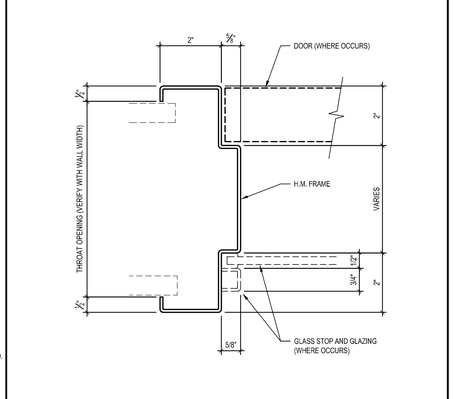
EXTERIOR H.M. HEAD DETAIL — SCALE: 3" = 1'-0" — 12



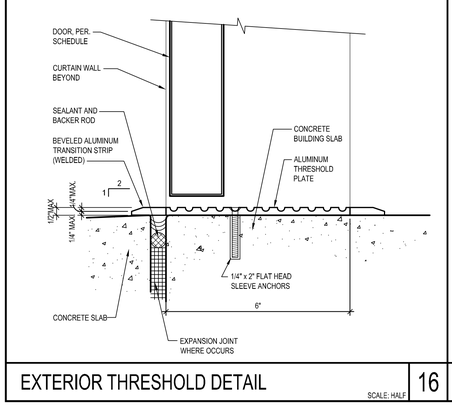
EXTERIOR H.M. JAMB DETAIL — SCALE: 3" = 1'-0" — 13



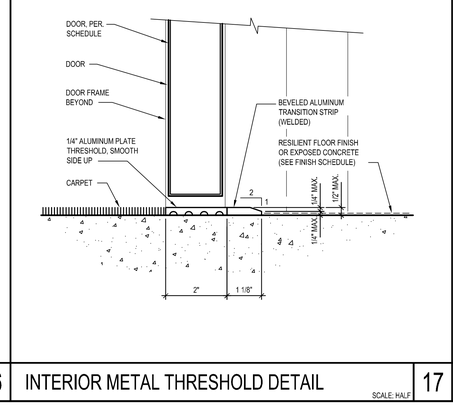
EXTERIOR H.M. TRANSOM HEAD — SCALE: 3" = 1'-0" — 14



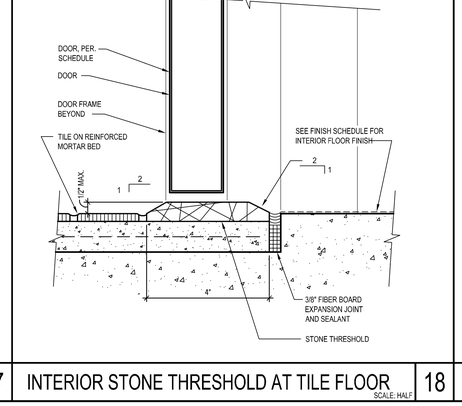
TYPICAL HOLLOW METAL FRAME PROFILE — SCALE: HALF — 15



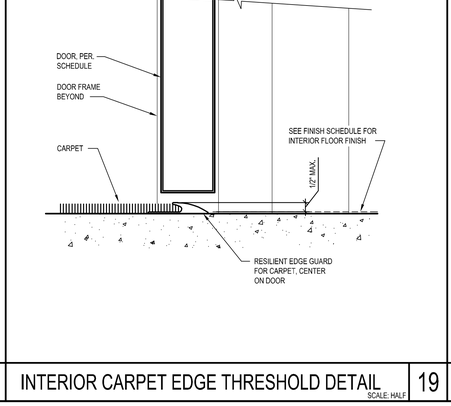
EXTERIOR THRESHOLD DETAIL — SCALE: HALF — 16



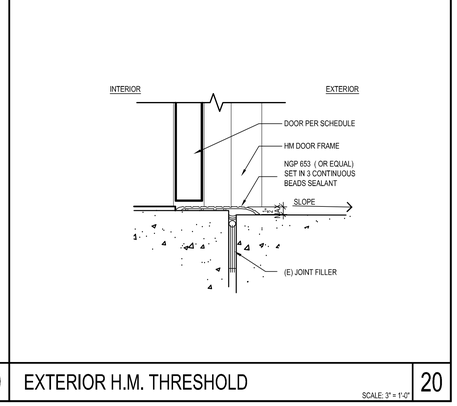
INTERIOR METAL THRESHOLD DETAIL — SCALE: HALF — 17



INTERIOR STONE THRESHOLD AT TILE FLOOR — SCALE: HALF — 18



INTERIOR CARPET EDGE THRESHOLD DETAIL — SCALE: HALF — 19



EXTERIOR H.M. THRESHOLD — SCALE: 3" = 1'-0" — 20

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

owner

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

tBP project number : 20987.00

file name:

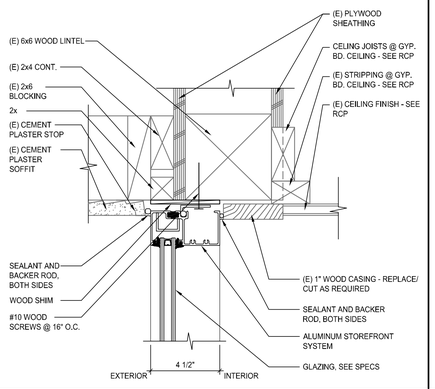
drawn by:E. LINARES checked by: T. HALL

date: 8.29.19

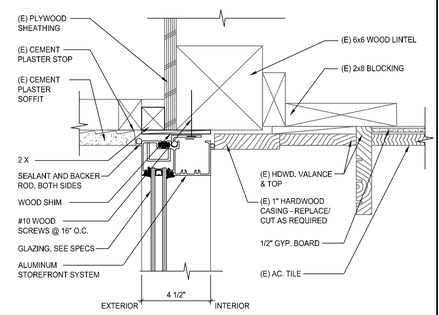
Rev: date: description:

drawing title:
DOOR DETAILS

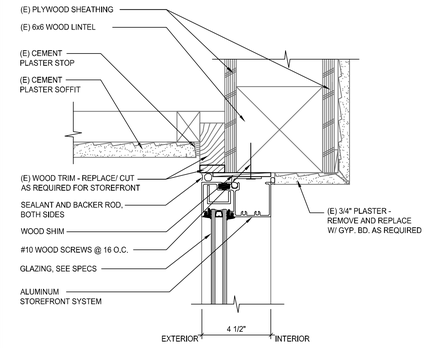
drawing no.:
8.01
drawing of



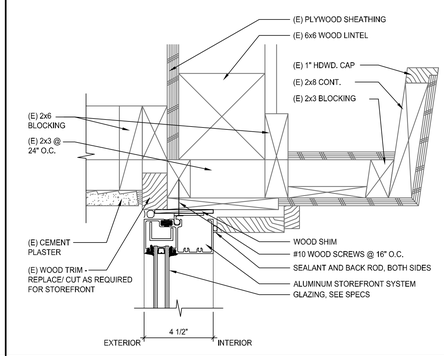
STOREFRONT HEAD — SCALE: 3" = 1'-0" — 1



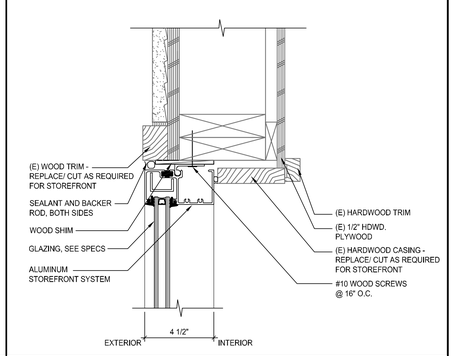
STOREFRONT HEAD — SCALE: 3" = 1'-0" — 2



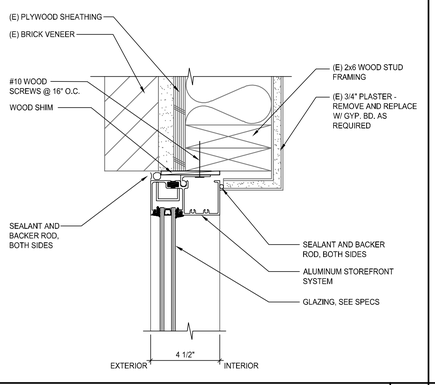
STOREFRONT HEAD — SCALE: 3" = 1'-0" — 3



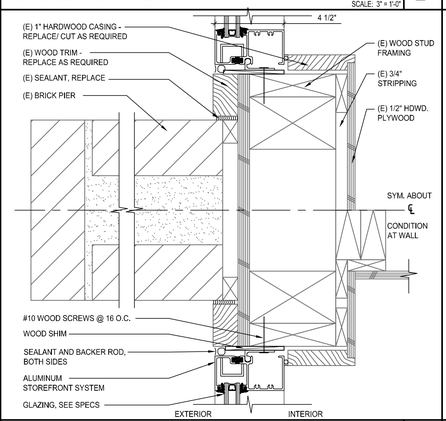
STOREFRONT HEAD — SCALE: 3" = 1'-0" — 4



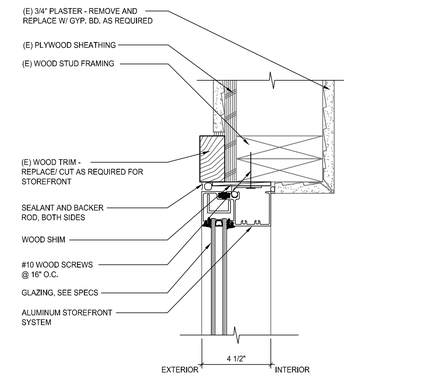
STOREFRONT JAMB — SCALE: 3" = 1'-0" — 5



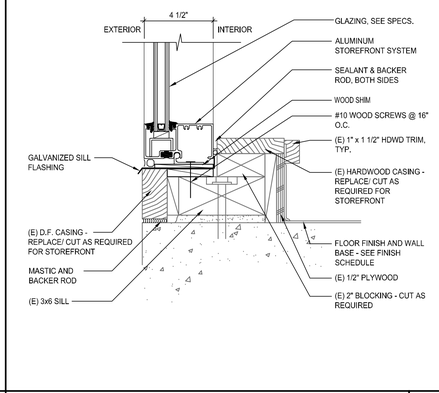
STOREFRONT JAMB — SCALE: 3" = 1'-0" — 6



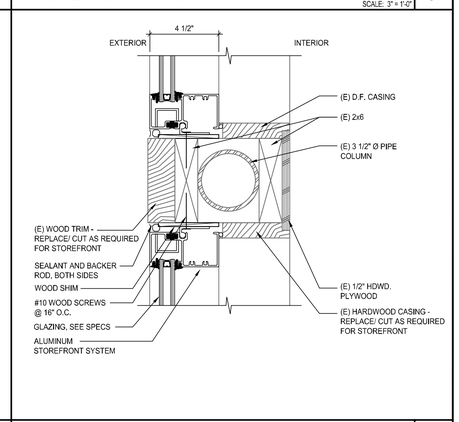
STOREFRONT JAMB — SCALE: 3" = 1'-0" — 7



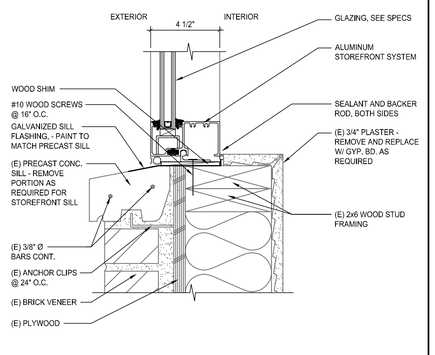
STOREFRONT JAMB — SCALE: 3" = 1'-0" — 8



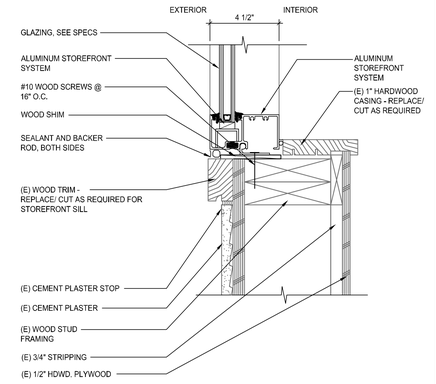
STOREFRONT SILL — SCALE: 3" = 1'-0" — 9



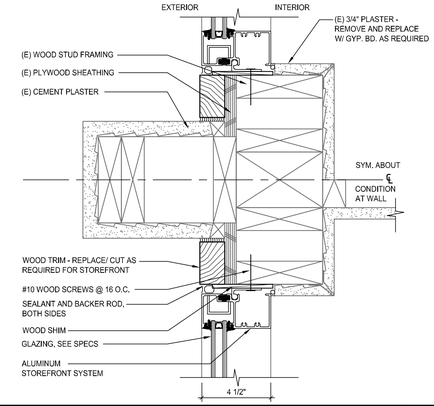
STOREFRONT MULLION — SCALE: 3" = 1'-0" — 10



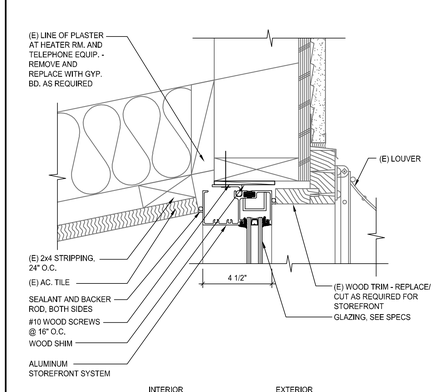
STOREFRONT SILL — SCALE: 3" = 1'-0" — 11



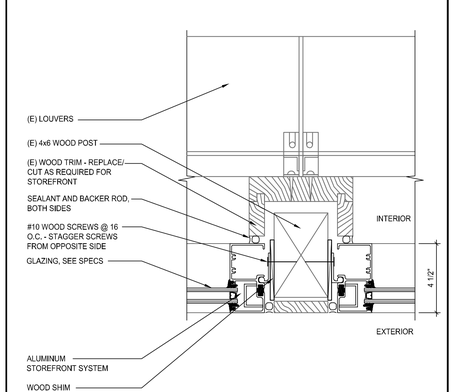
STOREFRONT SILL — SCALE: 3" = 1'-0" — 12



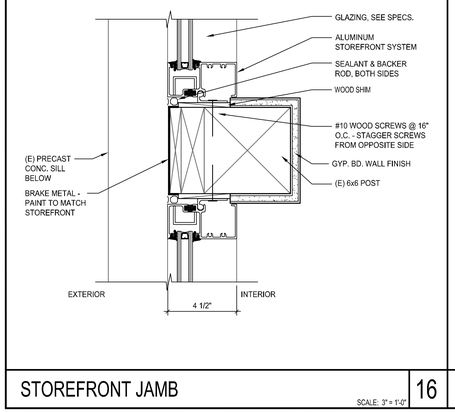
STOREFRONT JAMB — SCALE: 3" = 1'-0" — 13



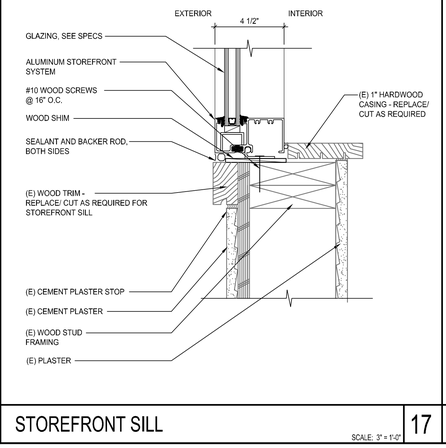
2ND FLOOR CLERESTORY HEAD — SCALE: 3" = 1'-0" — 14



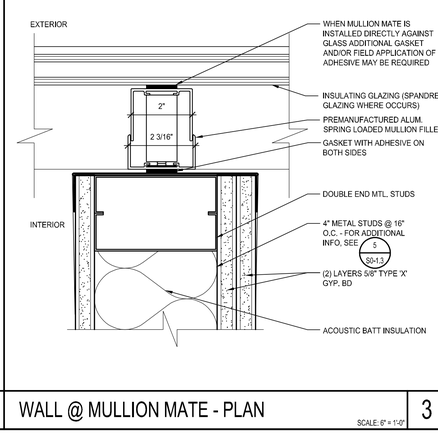
2ND FLOOR CLERESTORY MULLION — SCALE: 3" = 1'-0" — 15



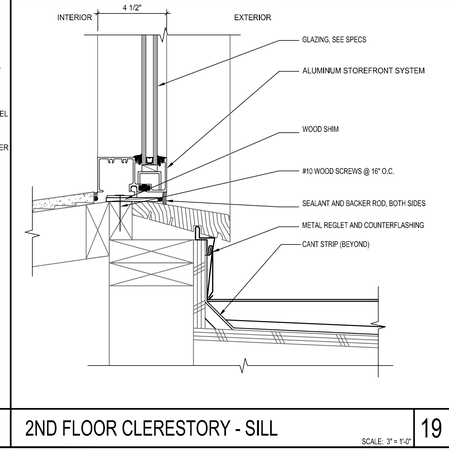
STOREFRONT JAMB — SCALE: 3" = 1'-0" — 16



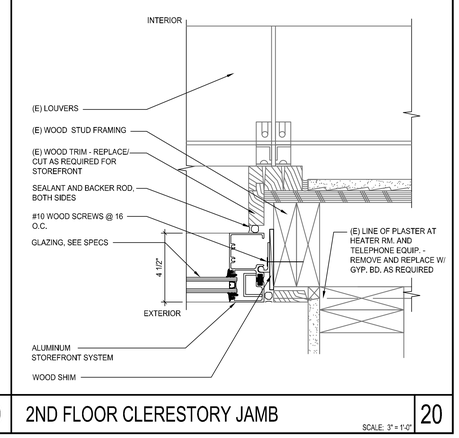
STOREFRONT SILL — SCALE: 3" = 1'-0" — 17



WALL @ MULLION MATE - PLAN — SCALE: 6" = 1'-0" — 3



2ND FLOOR CLERESTORY - SILL — SCALE: 3" = 1'-0" — 19



2ND FLOOR CLERESTORY JAMB — SCALE: 3" = 1'-0" — 20

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

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

owner

tBP project number : 20987.00

file name:

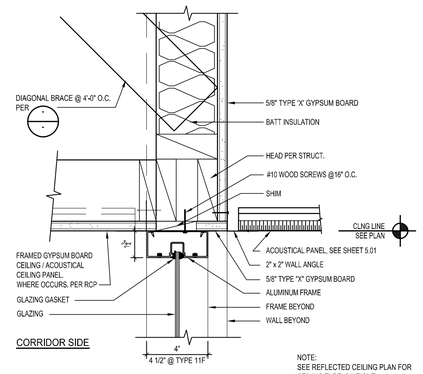
drawn by:£. LINARES checked by: T. HALL

date: 8.29.19

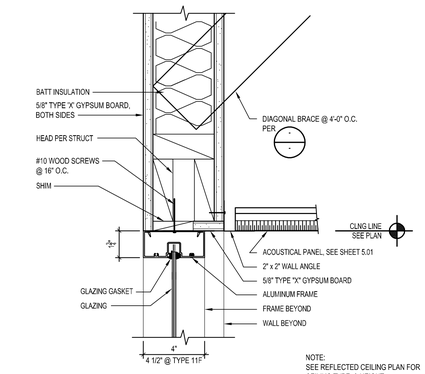
Rev:	date:	description:

drawing title:
EXTERIOR STOREFRONT DETAILS

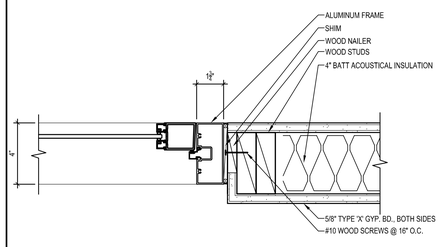
drawing no.:
8.02
drawing of



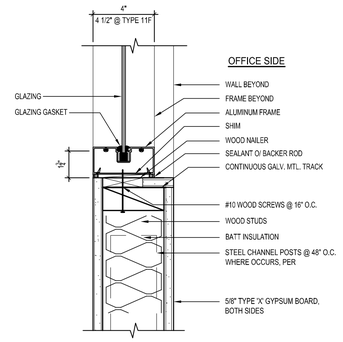
INT. STOREFRONT - HEAD AT CEILING — SCALE: 3" = 1'-0" — 4



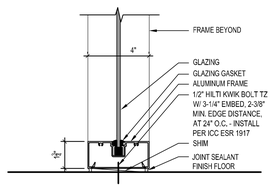
INT. STOREFRONT - HEAD — SCALE: 3" = 1'-0" — 5



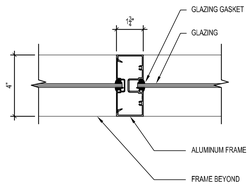
INT. STOREFRONT DOOR JAMB- ALUM DR. — SCALE: 3" = 1'-0" — 12



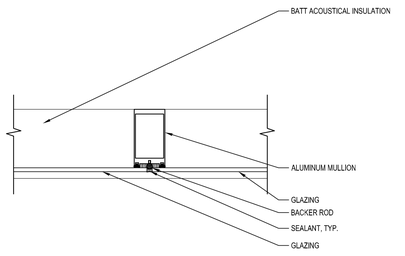
INT. STOREFRONT - SILL/JAMB (SIM) — SCALE: 3" = 1'-0" — 8



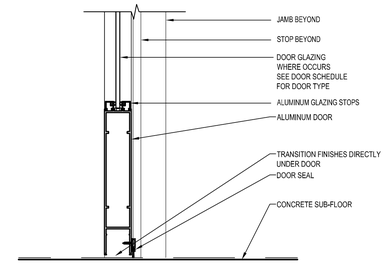
INT. STOREFRONT - SILL — SCALE: 3" = 1'-0" — 9



INT. STOREFRONT - VERTICAL/HORIZ. MULLION — SCALE: 3" = 1'-0" — 10



BUTT GLAZING MULLION — SCALE: 3" = 1'-0" — 17



INT. STOREFRONT DOOR THRESHOLD- ALUM DR. — SCALE: 3" = 1'-0" — 18

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

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

owner

tBP project number : 20987.00

file name:

drawn by:E. LINARES checked by: T. HALL

date: 8.29.19

Rev:	date:	description:

drawing title:
INTERIOR STOREFRONT DETAILS

drawing no.:
8.03
drawing of

ROOM FINISH SCHEDULE

SPACE		FLOOR				BASE				WALLS				CEILINGS					
NUMBER	NAME	MATERIAL	TYPE	FINISH	COLOR	MATERIAL	HEIGHT	FINISH	COLOR	MATERIAL	TYPE	FINISH	COLOR	MATERIAL	TYPE	FINISH	COLOR	HEIGHT	REMARKS
1ST FLR.																			
100	(E) LOBBY	-		-	-	WOOD BASE	4"	F	WB-1	PLYWOOD	-	STAIN	S-1	A.C.T.	2X4	F	ACP-1	8'-7"	
101	CORR.	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
102	(E) WOMEN'S LOUNGE	PORCELAIN TILE		F	PT-2	RUBBER BASE/PORC. TILE	4"/PER WALL TILE	F	RB-1/PT-1	GYP. BD./PORC. TILE	-	SEMI-GLOSS/F	P-1/PT-1, PT-3, PT-4	GYP. BD.	-	SEMI-GLOSS	P-1	8'-0"	
110	OPEN OFFICE	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	VARIOUS	
111A	WAIT.	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
111B	STAFF	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
112	DIR C.R.	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
113	DIR PRCH.	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
114	WORK/ STOR.	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
115	DIR ACCNT.	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
116	VP ADMIN	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
117	CONF.	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
118	MEN'S	PORCELAIN TILE		F	PT-2	RUBBER BASE/PORC. TILE	4"/PER WALL TILE	F	RB-1/PT-1	GYP. BD./PORC. TILE	-	SEMI-GLOSS/F	P-1/PT-1, PT-3, PT-4	GYP. BD.	-	SEMI-GLOSS	P-1	8'-0"	
120	OPEN OFC.	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
121	WAIT.	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
123	CONF.	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
124	TITLE IX	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
125	PRO. DEV.	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
126	OFFICE	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
127	VP HR	CARPET		F	CPT-1	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	A.C.T.	2X4	F	ACP-1	8'-7"	
128	WORK/ STOR.	LINOLEUM SHEET FLOORING		F	LF-2	RUBBER BASE	4"	F	RB-1	PLASTER	-	SATIN	P-1	-	-	EXPSD U.O.S.		8'-6"	
133	(E) JAN.	LINOLEUM SHEET FLOORING		F	LF-2	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	GYP. BD.	-	SEMI-GLOSS	P-1	8'-0"	
134	MAILROOM	LINOLEUM SHEET FLOORING		F	LF-2	RUBBER BASE	4"	F	RB-1	GYP. BD.	-	SATIN	P-1	GYP. BD.	-	SEMI-GLOSS	P-1	8'-0"	
135	WOMEN'S	PORCELAIN TILE		F	PT-2	-	-	-	-	PORC. TILE	-	F	PT-1	GYP. BD.	-	SEMI-GLOSS	P-1	8'-0"	
140	(E) CORRIDOR	LINOLEUM SHEET FLOORING		F	LF-1	RUBBER BASE	4"	F	RB-1	PLASTER	-	SATIN	P-1	-	-	-	-	8'-6"	
141	(E) BOARD ROOM	CARPET		F	CPT-1	WOOD BASE	4"	F	WB-1	PLYWOOD	-	STAIN	S-1	-	-	-	-	9'-0" & 8'-6"	
142	(E) STORAGE	LINOLEUM SHEET FLOORING		F	LF-2	RUBBER BASE	4"	F	RB-1	PLASTER	-	SATIN	P-1	-	-	-	-	8'-0"	
143	(E) STORAGE	LINOLEUM SHEET FLOORING		F	LF-2	RUBBER BASE	4"	F	RB-1	PLASTER	-	SATIN	P-1	PLASTER	-	SATIN	P-1	8'-0"	
144	(E) CLOSET	LINOLEUM SHEET FLOORING		F	LF-2	RUBBER BASE	4"	F	RB-1	PLASTER	-	SATIN	P-1	PLASTER	-	SATIN	P-1	8'-0"	
145	(E) STORAGE	LINOLEUM SHEET FLOORING		F	LF-2	RUBBER BASE	4"	F	RB-1	PLASTER	-	SATIN	P-1	-	-	-	-	8'-0"	
146	(E) ELECTRICAL ROOM	LINOLEUM SHEET FLOORING		F	LF-2	RUBBER BASE	4"	F	RB-1	PLASTER	-	SATIN	P-1	PLASTER	-	SATIN	P-1	8'-0"	
147	(E) STORAGE	LINOLEUM SHEET FLOORING		F	LF-2	RUBBER BASE	4"	F	RB-1	PLASTER	-	SATIN	P-1	PLASTER	-	SATIN	P-1	8'-6"	
148	(E) PRESIDENT'S OFFICE	CARPET		F	CPT-1	WOOD BASE	4"	F	WB-1	PLYWOOD	-	STAIN	S-1	-	-	-	-	8'-6"	
149	(E) TOILET	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	8'-6"	
150	(E) OFFICE	LINOLEUM SHEET FLOORING		F	LF-2	WOOD BASE	4"	F	WB-1	PLYWOOD	-	STAIN	S-1	-	-	-	-	8'-6"	
151	(E) WORK RM.	LINOLEUM SHEET FLOORING		F	LF-2	RUBBER BASE	4"	F	RB-1	PLASTER	-	SATIN	P-1	-	-	-	-	8'-6"	
152	(E) CONFERENCE ROOM	CARPET		F	CPT-1	WOOD BASE	4"	F	WB-1	PLYWOOD	-	STAIN	S-1	-	-	-	-	8'-6"	

ABBREVIATIONS

ACP	ACOUSTICAL PANEL CEILING
AGL	AGLOMMERATE TILE
BD	BOARD
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CT	CERAMIC TILE
EPXY	EPOXY
EXPSD	EXPOSED
F	FACTORY FINISH
FRP	FIBER REINFORCED PLASTIC PANEL
GL	GLASS
GYP	GYPSUM
LTF	LINOLEUM TILE FLOORING
MTL	METAL
EP	EPOXY PAINT
PE	PAINT EGGSHELL
PF	PAINT FLAT
PG	PAINT GLOSS
PNL	PANEL
PSG	PAINT SEMI GLOSS
QT	QUARRY TILE
RESIL	RESILIENT
RTF	RUBBER TILE FLOORING
SF	SATIN FINISH
SLR	SEALER
SV	SHEET VINYL
VCT	VINYL COMPOSITION TILE
VFWC	VINYL FABRIC WALL COVERING

NOTES

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

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

2. INTERIOR WALLS AND CEILING FINISHES SHALL BE CLASSIFIED BY OCCUPANCY PER TABLE 803.9 OR BE TESTED PER SECTION 803.1.2 (NFPA 286 CRITERIA).

3. TEXTILE AND VINYL WALL COVERINGS SHALL BE TESTED PER 803.1.3 ACCEPTANCE CRITERIA OF NFPA 265, OR, PER 803.1.4 ACCEPTANCE CRITERIA TESTED TO ASTM E84 OR UL 723 CLASS A FLAME SPREAD INDEX AND PROTECTED BY AN AUTOMATIC FIRE SPRINKLER SYSTEM PER 903.1.1 OR 903.1.1.2.

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

4. INTERIOR FLOOR FINISHES SHALL COMPLY WITH SECTION 804.

5. DECORATIVE TRIM & MATERIALS SHALL COMPLY WITH SECTION 806.

6. THERMAL AND ACOUSTICAL INSULATION SHALL COMPLY WITH SECTION 719.

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

agency

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

tBP architecture planning interiors

architect

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

consultant

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

owner

tBP project number: 20987.00
file name: CC_Admin Remodel_Central.rvt
drawn by: Z. WEN checked by: T. HALL
date: 8.29.2019

rev:	date:	description:

drawing title:
FINISH SCHEDULE

drawing no.:
9.01
drawing of

SPEC. SECTION	MATERIAL	DESIGNATION	MANUFACTURER	COLOR NO.	COLOR NAME	REMARKS
03 10 00 CONCRETE FORMS	ARCHITECTURAL CONCRETE	AC-1				
03 30 00 CAST-IN-PLACE CONCRETE	CONCRETE FLOORS - POLISHED	C-1				INT-CONCRETE FLOORS W/ ABRASIVE FINISH
	CONCRETE FLOORS - EXPOSED/NATL.	C-2				INT-CONCRETE TREADS/LANDINGS W/ ABRA FINISH & BROOM FINISH. SEE WRITTEN SPE
06 41 16 ARCHITECTURAL CASEWORK	PLASTIC LAMINATE	PL-1	WILSONART	4941L-18	COSMIC STRANDZ	INT-CASEWORK, UPPER & LOWER CABINETS VERTICAL SURFACES
	SOLID SURFACE	SSU-1	FORMICA SOLID SURFACING FORMICA CLASSICS	775	LUNA STORM	INT-CASEWORK COUNTERTOPS
08 14 16 FLUSH WOOD DOORS	WOOD VENEER	WD-1	SHERMIN WILLIAMS	SW3127	CULINARY CREAM	- -
09 30 13 TILE	PORCELAIN TILE	PT-1	DALTILE FABRIQUE	P685	BLANC LINEN (12"X24")	INT-RESTROOM WALL TILE, FIELD
	PORCELAIN TILE	PT-2	DALTILE FABRIQUE	P690	GRIS LINEN (12"x24")	INT-RESTROOM FLOOR TILE
	PORCELAIN TILE	PT-3	DALTILE FABRIQUE	P685	GRIS LINEN (6"X24")	INT-RESTROOM WALL TILE, FIELD
	PORCELAIN TILE	PT-4	DALTILE FABRIQUE	P689	NOIR LINEN (6"x24")	INT-RESTROOM WALL TILE, ACCENT
	ALUMINUM COVE TRIM	ACT-1	SCHLUTER SYSTEMS DILEX AHK	-	SATIN ANODIZED ALUMINUM	INT-RESTROOM
	GROUT	G-1	MAPEI	103	COBBLESTONE	INT-RESTROOM WALL TILE GROUT LOBBY FLOOR TILE GROUT
	GROUT	G-2	MAPEI	19	PEARL GRAY	INT-RESTROOM FLOOR TILE GROUT
09 51 13 ACOUSTICAL CEILING PANELS	ACOUSTICAL CEILING PANELS	ACP-1	ARMSTRONG CIRRUS SECOND LOOK	-	WHITE	INT-LOBBY/ CORRIDOR SEE WRITTEN SPECIFICATIONS
09 65 13 RESILIENT BASE	RUBBER BASE	RB-1	JOHNSONITE TRADITIONAL WALL BASE	20	CHARCOAL	INT
09 65 43 LINOLEUM FLOORING	LINOLEUM SHEET FLOORING	LF-1	JOHNSONITE, HARMONIUM VENETO	685	ICED SLATE	CORRIDOR
	LINOLEUM SHEET FLOORING	LF-2	JOHNSONITE, HARMONIUM VENETO	686	DEEP SPACE	INT-WORKROOM / STORAGE
09 68 13 TILE CARPETING	CARPET TILE	CPT-1	TANDUS ISO 04536	48201	WIRED	INT-OFFICE CARPET VERTICAL ASHLAR INSTALLATION
09 90 00 PAINT	PAINT	P-1	DUNN EDWARDS	DE6232	ABSTRACT WHITE	INT-WALLS (FIELD)
	PAINT	P-2	DUNN EDWARDS	DE6226	FOGGY DAY	EXT-WALLS
	PAINT	P-3	DUNN EDWARDS	DE6353	SILVER LINED	WINDOW FRAME
09 93 00 STAINING & TRANSPARENT FINISH	WOOD STAIN	S-1	SHERWIN WILLIAM MINWAX	MW232	RED CHESTNUT	SEE WRITTEN SPECIFICATIONS
09 96 00 HIGH PERFORMANCE COATINGS	EXTER. HIGH PERFORMANCE COATING STEEL SUBSTRATES	HP-1	TNEMEC	41 MT	SILVER	SEE WRITTEN SPECIFICATIONS
	EXTER. HIGH PERFORMANCE COATING GALVANIZED METAL SUBSTRATES	HP-2	TNEMEC			SEE WRITTEN SPECIFICATIONS
10 11 00 VISUAL DISPLAY UNITS	MARKER BOARD	MB-1	CLARIDGE CONCEPT	No. 100	LCS WHITE	INT
	TACKBOARDS	TB-1	CLARIDGE CONCEPT	1113	STEEL GRAY	INT
10 12 00 DISPLAY CASES	ALUMINUM SURFACE MOUNTED DISPLAY CASE	DC-1	WADDELL FURNITURE		CHAMPAGNE	SEE WRITTEN SPECIFICATIONS
10 14 19 DIMENSIONAL LETTER SIGNAGE	DIMENSIONAL CHARACTERS STAINLESS STEEL	-			STAINLESS STEEL, NO. 4	SEE WRITTEN SPECIFICATIONS
	DIMENSIONAL LETTER SIGNAGE	-				SEE WRITTEN SPECIFICATIONS
10 21 13.17 PHENOLIC CORE TOILET COMPARTMENT	TOILET COMPARTMENTS	TC-1	BOBRICK SIERRA SERIES 1092G.67P	SC04	FOREST GREEN	INT
11 52 13 PROJECTION SCREENS	PROJECTION SCREENS	PS-1				INT -
12 24 00 WINDOW SHADES	ROLLER SHADES	RS-1	SKYCO SHEERWEAVE, STYLE 2390 , 5%	P14	OYSTER PEARL GREY	INTERIOR ROLLER SHADES
	ROLLER SHADES	RS-2	SKYCO AVILA TWILIGHT	0015	KHAKI	INTERIOR BLACK-OUT ROLLER SHADES

TYPICAL FINISH NOTES

1. SUBMIT MANUFACTURER'S STANDARD COLORS FOR COLOR SELECTION
2. ALL INTERIOR FINISHES SHALL COMPLY W/ THE FLAME SPREAD AND SANITATION REQUIREMENTS OF CHAPTER 8, C.B.C.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

LICENSED ARCHITECT CERTIFIED STATE OF CALIFORNIA

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name: DS-0902_Color_Sched.dwg

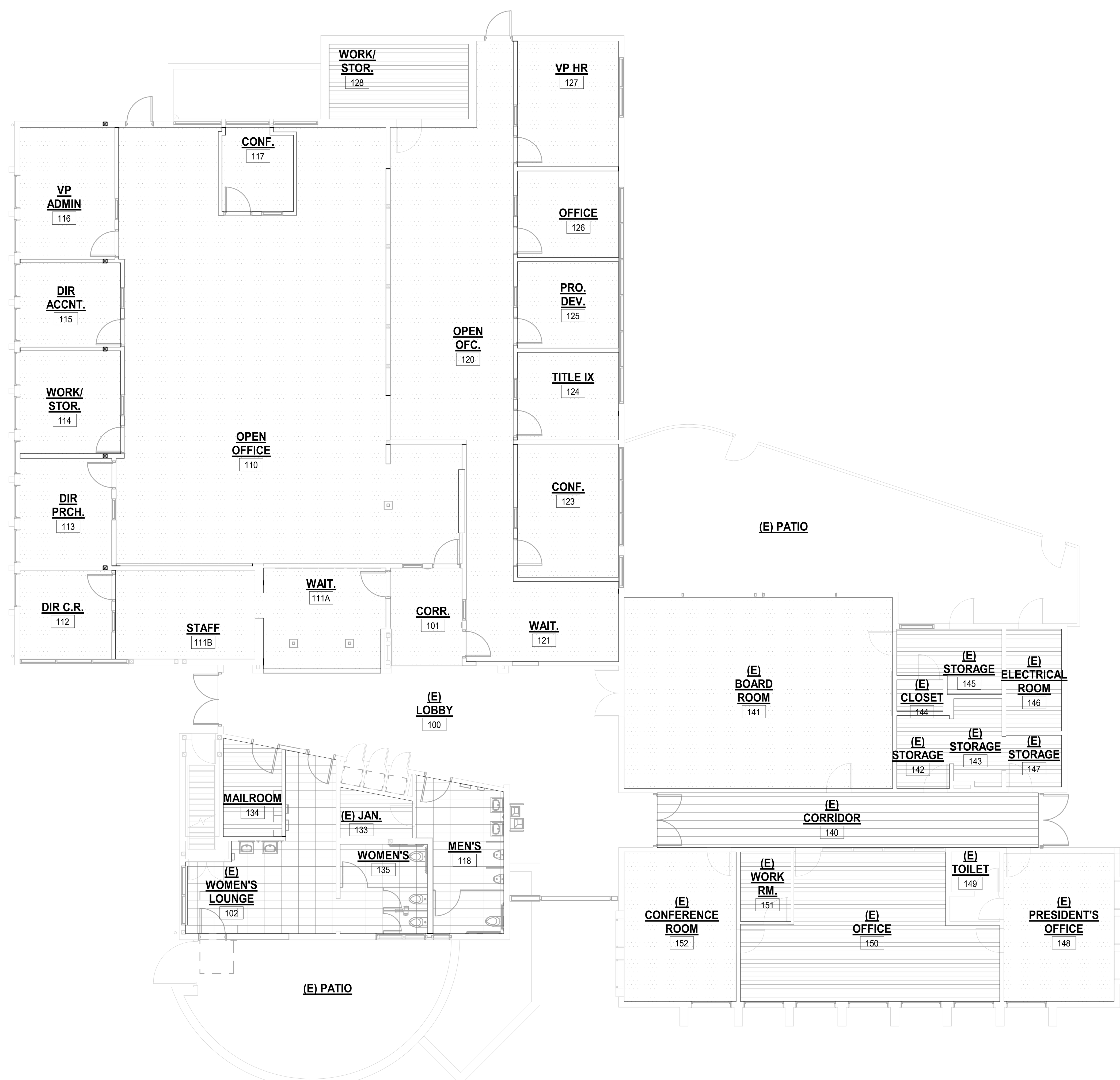
drawn by:£. LINARES checked by: T. HALL

date: 8.29.19

Rev:	date:	description:

drawing title:
COLOR SCHEDULE

drawing no.:
9.02
drawing of



1ST FLOOR - FINISH PLAN 1

SCALE 1/8" = 1'-0"

NORTH

FINISH LEGEND

- PORCELAIN TILE: PT-2
- LINOLEUM SHEET FLOORING: LF-1
- LINOLEUM SHEET FLOORING: LF-2
- CARPET: CPT-1
- (E) TERAZZO FLOORING TO BE REFINISHED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number: 20987.00

file name: CC_Admin Remodel_Central.rvt

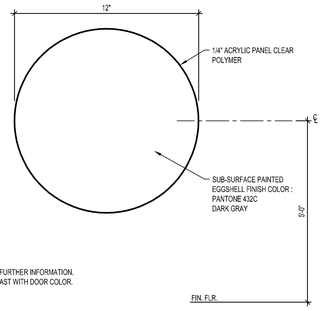
drawn by: Z. WEN checked by: T. HALL

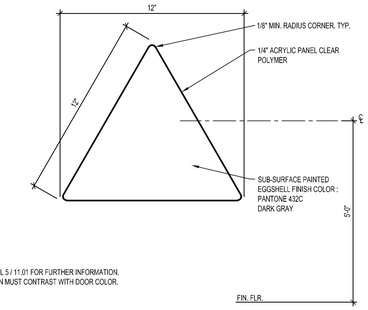
date: 8.29.2019

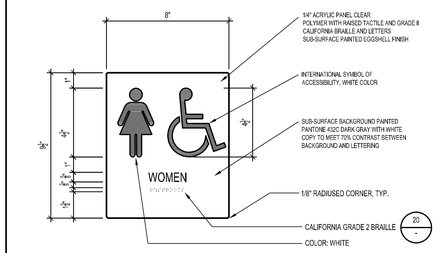
rev:	date:	description:

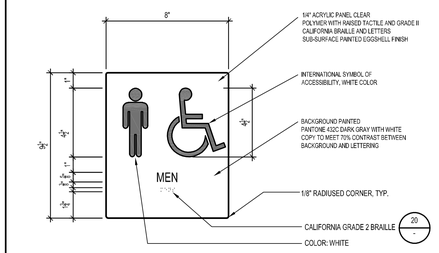
drawing title:
FINISH FLOOR PLAN

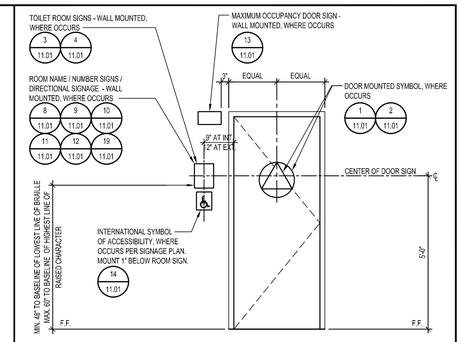
drawing no.:
9.11
drawing of

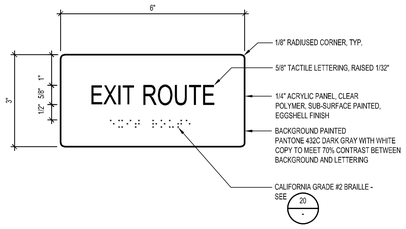


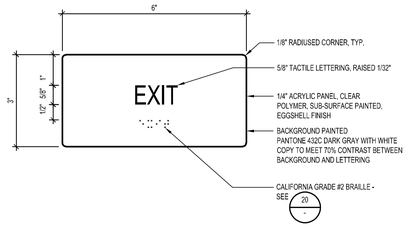


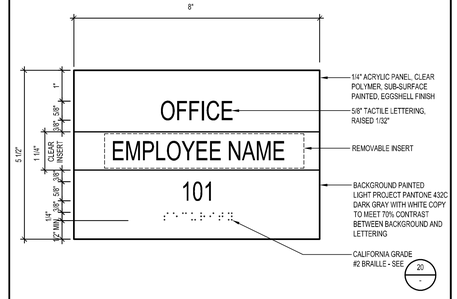


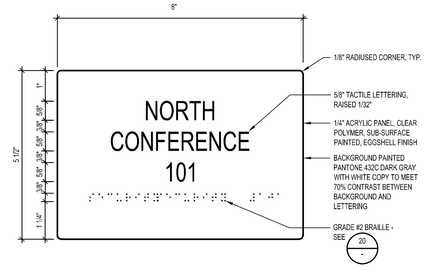


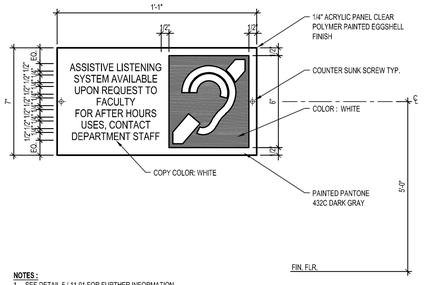












NOTES :
1. SEE DETAIL 5 / 11.01 FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.

DOOR MNTD. TOILET ROOM SYMBOL (WOMEN) 1
SCALE: 3" = 1'-0"

NOTES :
1. SEE DETAIL 5 / 11.01 FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.

DOOR MOUNTED TOILET ROOM SYMBOL (MEN) 2
SCALE: 3" = 1'-0"

NOTES :
1. SEE DETAIL 5 / 11.01 FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.
3. REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR ROOM NAMES
4. FONT : FRUTIGER 55 ROMAN
5. CENTER TEXT AND CENTER BRAILLE UNDER TEXT (TYP.)

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

NOTES :
1. SEE DETAIL 5 / 11.01 FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.
3. REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR ROOM NAMES
4. FONT : FRUTIGER 55 ROMAN
5. CENTER TEXT AND CENTER BRAILLE UNDER TEXT (TYP.)

WALL-MOUNTED TOILET ROOM SIGNAGE 4
SCALE: 3" = 1'-0"

NOTES :
MOUNT SIGN ON THE WALL ADJACENT TO LATCH SIDE OF DOOR, AT HEIGHT NOTED IN DETAIL ABOVE.
WHERE THERE IS NO WALL SPACE ON LATCH SIDE OF DOOR, PLACE SIGNS ON NEAREST ADJACENT WALL, PREFERABLY ON THE RIGHT.

TYPICAL SIGNAGE LOCATION 5
SCALE: 1/2" = 1'-0"

NOTES :
1. SEE DETAIL 5 / 11.01 FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.
3. FONT : FRUTIGER 55 ROMAN. OPEN LETTER SPACING TO MEET ADA VISUAL REQUIREMENTS

TACTILE EXIT ROUTE SIGNAGE 8
SCALE: HALF

NOTES :
1. SEE DETAIL 5 / 11.01 FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.
3. FONT : FRUTIGER 55 ROMAN. OPEN LETTER SPACING TO MEET ADA VISUAL REQUIREMENTS

TACTILE EXIT SIGNAGE 9
SCALE: HALF

NOTES :
1. SEE DETAIL 5 / 11.01 FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.
3. FONT : FRUTIGER 55 ROMAN. OPEN LETTER SPACING TO MEET ADA VISUAL REQUIREMENTS
4. VERIFY TEXT W/ DOOR SCHEDULE, CONFIRM W/ OWNER

ROOM NAME / NUMBER SIGN WITH INSERT 10
SCALE: HALF

NOTES :
1. SEE DETAIL 5 / 11.01 FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.
3. FONT : FRUTIGER 55 ROMAN. OPEN LETTER SPACING TO MEET ADA VISUAL REQUIREMENTS
4. VERIFY TEXT W/ DOOR SCHEDULE, CONFIRM W/ OWNER

ROOM NAME / NUMBER SIGN WALL MOUNTED 11
SCALE: HALF

NOTES :
1. SEE DETAIL 5 / 11.01 FOR FURTHER INFORMATION.
2. FONT : FRUTIGER 55 ROMAN

ASSISTIVE-LISTENING DEVICE SIGNAGE 12
SCALE: 3" = 1'-0"

NOTES :
1. SEE DETAIL 5 / 11.01 FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.
3. FONT : FRUTIGER 55 ROMAN
4. REF. TO SHEET T-3 FOR MAX. OCCUPANCY LOAD QUANTITIES

MAXIMUM OCCUPANCY SIGN 13
SCALE: 3" = 1'-0"

NOTES:
1) THE CHARACTERS AND BACKGROUND OF THE SIGN SHALL BE EGGSHELL, MATTE, OR OTHER NON-GLARE FINISH AND CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND.

2) MOUNT WITH 3M HIGH BOND TAPE AND SILICONE GLUE.

3) SEE 5 / - AND - / A11.01 FOR LOCATIONS.

4) PROPORTIONS TO MATCH CBC FIGURE 11B-703.7.2.1

INTERNATIONAL SYMBOL OF ACCESSIBILITY 14
SCALE: HALF

NOTES :
1. SEE DETAIL 5 / 11.01 FOR FURTHER INFORMATION.
2. DOOR SIGN MUST CONTRAST WITH DOOR COLOR.

FIRE ALARM CONTROL PANEL SIGNAGE 18
SCALE: 3" = 1'-0"

* SEE SIGNAGE PLAN FOR LOCATION

NOTES :
1. SEE DETAIL 5 / 11.01 FOR FURTHER INFORMATION.
3. FONT : FRUTIGER 55 ROMAN

DIRECTIONAL ROUTE SIGNAGE 19
SCALE: 3" = 1'-0"

SIGNAGE GENERAL NOTES

1. CHARACTER TYPE: CHARACTERS ON SIGN SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 CONTRACTED BRAILLE.

2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH.

3. FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. 11B-703.5.1

4. PROPORTIONS: CHARACTERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10. 11B-703.5.4

ALL LETTERS MEASURED MUST BE UPPERCASE. AFTER CHOOSING A TYPESTYLE TO TEST, BEGIN BY PRINTING THE LETTERS I, X, AND O AT 1" HIGH. PLACE THE TEMPLATE'S 1:1 SQUARE OVER THE X OR O, WHICHEVER IS NARROWER. IF THE CHARACTER IS NOT WIDER THAN 1" NOR NARROWER THAN THE 3:5 RECTANGLE, THE PROPORTIONS ARE CORRECT. USE THE 1:5 RECTANGLE TO DETERMINE IF THE STROKE OF THE I IS TOO BROAD, AND THE 1:10 RECTANGLE TO SEE IF IT IS TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPESTYLE IS COMPLIANT WITH PROPORTION CODE.

BRAILLE

11B-703.3 BRAILLE. BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4.

11B-703.3.1 DIMENSIONS AND CAPITALIZATION. BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS.

11B-703.3.2 POSITION. BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH (9.5 MM) MINIMUM AND 1/2 INCH (12.7 MM) MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH (9.5 MM) MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

BRAILLE DIMENSIONS - TABLE 11B-703.3.1

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 (1.5 MM) TO 0.063 (1.6 MM)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL	0.100 (2.5 MM)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS	0.300 (7.6 MM)
DOT HEIGHT	0.025 (0.6 MM) TO 0.037 (0.9 MM)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW	0.395 (10 MM) TO 0.400 (10.2 MM)

TYPICAL SIGNAGE NOTES 20
SCALE: NONE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159
agency

tBP
architecture
planning
interiors

HUNG L. CHENG
NO. C34187
REN. 4-30-21

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

consultant

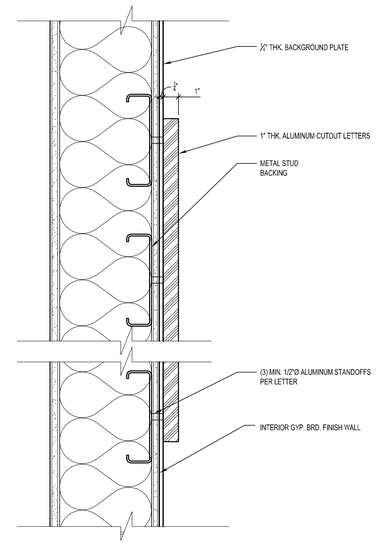
COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

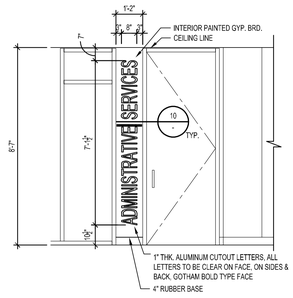
tBP project number : 20987.00
file name:
drawn by:E. LINARES checked by: T. HALL
date: 8.29.19
Rev: date: description:

drawing title:
SIGNAGE DETAILS

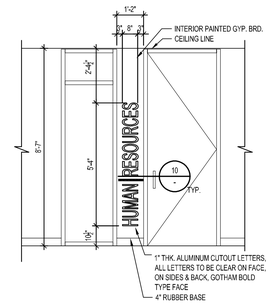
drawing no.:
11.01
drawing of



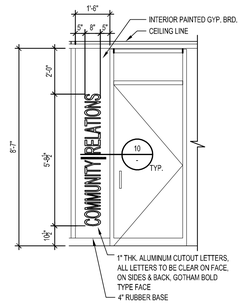
CUTOUT LETTER - MOUNTING DETAIL 10
SCALE: 3" = 1'-0"



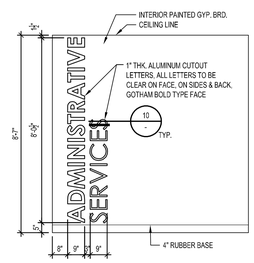
ADMINISTRATIVE SERVICES - DOOR SIGNAGE 13
SCALE: 3" = 1'-0"



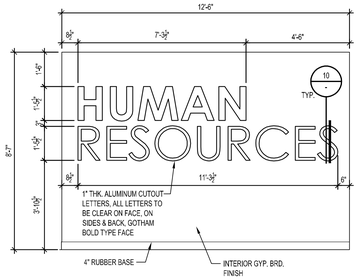
HUMAN RESOURCES - DOOR SIGNAGE 14
SCALE: 3/8" = 1'-0"



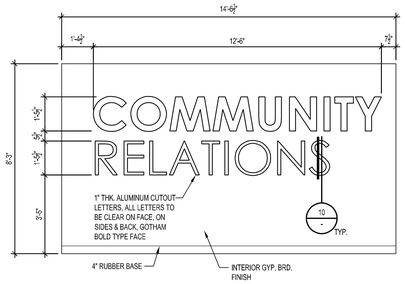
COMMUNITY RELATIONS - DOOR SIGNAGE 15
SCALE: 3/8" = 1'-0"



ADMINISTRATIVE SERVICES - WALL SIGNAGE 18
SCALE: 3" = 1'-0"



HUMAN RESOURCES - WALL SIGNAGE 19
SCALE: 3/8" = 1'-0"



COMMUNITY RELATIONS - WALL SIGNAGE 20
SCALE: 3/8" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

LICENSED ARCHITECT RENEWAL 08/31/2021 STATE OF CALIFORNIA

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name:

drawn by:E. LINARES checked by: T. HALL

date: 8.29.19

Rev:	date:	description:

drawing title:
SIGNAGE DETAILS

drawing no.:
11.02
drawing of

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONDITIONS. REFER TO THE TYPICAL DETAIL SHEETS FOR TYPICAL DETAILS OF CONSTRUCTION. TYPICAL DETAILS APPLY TO ALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OR SHOWN OTHERWISE. WHERE CONDITIONS REQUIRE MODIFICATIONS OF A TYPICAL DETAIL, THE CONTRACTOR SHALL SUBMIT MODIFIED DETAIL FOR APPROVAL BY THE ENGINEER OF RECORD PRIOR TO FABRICATION AND INSTALLATION. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONSTRUCTION.

2. CONTRACTOR SHALL CONSIDER THE PROJECT SPECIFICATIONS A PART OF THE CONTRACT DOCUMENTS. WHERE INFORMATION IS CONFLICTING, SPECIFIC DETAILS SHALL GOVERN OVER TYPICAL DETAILS WHICH SHALL GOVERN OVER THESE NOTES WHICH SHALL GOVERN OVER SPECIFICATIONS.

3. REFER TO THE PROJECT SPECIFICATIONS FOR SHOP DRAWING REQUIREMENTS AND SUBMITTALS.

4. ALL DIMENSIONS ON STRUCTURAL DRAWINGS SHALL BE CHECKED AGAINST ARCHITECTURAL DIMENSIONS. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE OMITTED OR NOT CLEAR, CONTACT THE ARCHITECT (ARCH) OR STRUCTURAL ENGINEER OF RECORD (SEOR). ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR. DIMENSIONS ARE TO THE FACE OF STUDS, AND TO CENTERLINE OF COLUMNS UNO.

5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY NOTIFY THE SEOR OF ANY CONFLICTS BETWEEN THE STRUCTURAL DRAWINGS AND OTHER DRAWINGS; OR EXISTING CONDITIONS NOT SHOWN OR DIFFERENT FROM THOSE SHOWN ON DRAWINGS PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL THE CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES.

6. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN THEY DO NOT INDICATE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE CONSTRUCTION AND ALL ADJACENT PROPERTIES DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT ARE NOT LIMITED TO BRACING, SHORING OF LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE ARCHITECT OR SEOR SHALL NOT INCLUDE OBSERVATION OF THE ABOVE ITEMS.

7. SUBSTITUTION REQUESTS FOR MATERIALS SPECIFIED ON THE STRUCTURAL DRAWINGS MAY BE CONSIDERED WITH MATERIALS HAVING EQUIVALENT OR GREATER CAPACITY AND PERFORMANCE. CURRENT EVALUATION REPORTS AND PRODUCT INFORMATION SHALL BE PROVIDED TO THE STRUCTURAL ENGINEER DEMONSTRATING THE REQUIRED CAPACITY AND PERFORMANCE OF THE MATERIAL TO BE SUBSTITUTED. WRITTEN APPROVAL FROM THE SEOR SHALL BE OBTAINED PRIOR TO THE SUBSTITUTION OF ANY MATERIAL SPECIFIED ON THE STRUCTURAL DOCUMENTS.

8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA, LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT. THE ARCHITECT, SEOR, AND THE OWNER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.

9. CONSTRUCTION MATERIALS SHALL BE DISTRIBUTED WHEN PLACED ON THE STRUCTURE SUCH THAT LOADS DO NOT EXCEED DESIGN LIVE LOADS OR RESULT IN AN UNBALANCED CONDITION.

STRUCTURAL DESIGN CRITERIA:

1. CODES:
   ALL WORK SHALL BE IN CONFORMANCE WITH THE CALIFORNIA BUILDING CODE (CBC) 2016 EDITION, INCLUDING ALL AMENDMENTS. ALL STANDARDS USED SHALL BE THE LATEST VERSION APPROVED BY THE CODE ENFORCEMENT AGENCY ON THE DATE OF THE PERMIT ISSUANCE UNLESS SPECIFICALLY NOTED OTHERWISE.

2. SEISMIC DESIGN INFORMATION:

I = 1.25	OCCUPANCY CAT. III		SITE CLASS D	DESIGN PROCEDURE: EQUIVALENT LATERAL FORCE PRICEDURE
S_S = 1.674	S_1 = 0.611	S_{DS} = 1.116	S_{D1} = 0.611	
SEISMIC DESIGN CATEGORY = D				

3. WIND DESIGN INFORMATION:

OCCUPANCY CAT. III	
BASIC WIND SPEED V_{fm} = 115 MPH (3 SEC GUST)	EXPOSURE C
INTERNAL PRESSURE COEFF. = +/- 0.18	

EXISTING CONDITIONS NOTES:

1. FIELD VERIFY ALL CONDITIONS & DIMENSIONS PRIOR TO SHOP DRAWING PRODUCTION AND FABRICATION OF STRUCTURAL ELEMENTS.
2. WHERE ALL OTHER EXISTING CONDITIONS VARY SIGNIFICANTLY FROM THOSE SHOWN ON THESE DRAWINGS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED PRIOR TO CONTINUED CONSTRUCTION RELATED TO SUBJECT CONDITIONS.
3. SHORE ALL EXISTING CONSTRUCTION AS REQUIRED.
4. ALL EXISTING (E) CONNECTIONS AT ELEMENTS TO BE REPLACED SHALL BE REPLACED OR RE-ATTACHED TO MATCH EXISTING CONDITIONS.
5. VERIFY LOCATION OF EXISTING (E) REBAR BEFORE FABRICATION USING NON-DESTRUCTIVE TESTING.
6. SPECIAL INSPECTION IS REQUIRED FOR ALL WORK.
7. SEE "AS BUILT" DRAWINGS FOR EXISTING BUILDING DESIGN FOR ITEMS NOT SHOWN OR NOTED.
8. CORE DRILLS REQUIRED SHALL NOT CUT ANY REINFORCING. THE CONTRACTOR IS TO COORDINATE WORK OF ALL TRADES TO ENSURE COMPLIANCE. ALL CORE DRILLS ARE TO BE PRESENTED TO THE IOR FOR VERIFICATION. THE IOR IS TO DOCUMENT CORES EXAMINED INDICATING AN ABSENCE OF REINFORCING.

EXISTING UNDERGROUND UTILITY NOTES:

1. THE ARCHITECT AND ENGINEERS ARE NOT RESPONSIBLE FOR THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES WHETHER OR NOT SHOWN ON THE DRAWINGS. THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD ANY SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES.

REINFORCING STEEL NOTES:

1. REINFORCING GRADES FOR CONCRETE OR MASONRY:
   A. ALL BARS EXCEPT THOSE TO BE WELDED.................. ASTM A615, GRADE 60
   B. TIES AND STIRRUPS .... ASTM A615, GRADE 60
   C. WELDED WIRE FABRIC .... ASTM A185
   D. ALL BARS TO BE WELDED .... ASTM A706, GRADE 60

2. MAINTAIN MINIMUM CONCRETE COVER FROM FACE OF CONCRETE TO EDGE OF ALL REINFORCEMENT AS FOLLOWS (UNO):

CONDITION		COVER
CONCRETE POURED AGAINST EARTH		3"
CONCRETE POURED IN FORMS AND EXPOSED TO WEATHER OR EARTH		
	- #6 BARS AND LARGER	2"
	- #5 BARS AND SMALLER	1 1/2"
STRUCTURAL SLABS ON GRADE		
	- FROM BOTTOM OF SLAB	2"
	- FROM TOP OF SLAB	1 1/2"
OTHER CONCRETE NOT EXPOSED TO WEATHER OR EARTH FOR #11 BARS AND SMALLER		3/4"

PROVIDE THE LARGEST COVER REQUIRED FOR ALL APPLICABLE CONDITIONS. WHERE #3 STIRRUPS OR TIES ARE USED, ENSURE THAT THE COVER FOR LONGITUDINAL BARS IS ADEQUATE.

3. REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE". EACH REINFORCING BAR SHALL BE WIRED TO A CROSS BAR AT A MAXIMUM SPACING OF 24" OC. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING IN POSITIONS SHOWN ON THE PLANS.

4. SPLICES IN CONTINUOUS REINFORCEMENT AS USED IN WALLS, WALL FOOTINGS, ETC., SHALL HAVE A CLASS "B" LAP (1'-6" MIN) AND THE SPLICES IN ADJACENT BARS SHALL BE NOT LESS THAN 5'-0" APART. VERTICAL WALL BARS SHALL BE SPLICED AT OR NEAR FLOOR LINES. BARS MAY BE WIRED TOGETHER AT SPLICES OR LAPS EXCEPT FOR TOP REINFORCING OF BEAMS AND SLABS OR WHERE SPECIFICALLY DETAILED TO BE SEPARATED. WELDED WIRE FABRIC SHALL BE LAPPED 12" MINIMUM.

5. ALL DOWELS, ANCHOR BOLTS AND OTHER HARDWARE TO BE SET IN CONCRETE SHALL BE TIED IN PLACE PRIOR TO PLACEMENT OF CONCRETE. NO WET SETTING, STABBING, RODDING OR OTHER MOVEMENT OF EMBEDDED ITEMS SHALL BE PERFORMED DURING PLACEMENT OF CONCRETE.

6. BEND REINFORCING BARS COLD.

7. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST.

8. DOWELS BETWEEN FOOTING AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE AND SPACING AS THE MAIN REINFORCING UNO.

9. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN PLACE INSPECTION IS MADE.

10. CHAIRS OR SPACERS FOR REINFORCING SHALL BE NON-FERROUS OR PLASTIC COATED WHEN RESTING ON EXPOSED SURFACES.

STRUCTURAL CONCRETE NOTES:

1. CONCRETE SHALL BE MIXED, PLACED AND CURED IN ACCORDANCE WITH ACI 318, 2014 EDITION, AND PROJECT SPECIFICATIONS.

2. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED SIX FEET. A SUFFICIENT NUMBER OF CHUTES OR TRUNKS SHALL BE USED TO ENSURE THE CONCRETE IS KEPT LEVEL AT ALL TIMES.

3. CONSTRUCTION JOINTS SHALL BE CLEANED AND ROUGHENED BY REMOVING THE ENTIRE SURFACE TO EXPOSE CLEAN AGGREGATE SOLIDLY EMBEDDED IN THE MORTAR MATRIX. SLUSH WITH A COAT OF NEAT CEMENT BEFORE PLACING CONCRETE. SEE PLANS AND DETAILS FOR LOCATION AND TYPE OF CONSTRUCTION JOINT. LOCATIONS OF ADDITIONAL CONSTRUCTION JOINTS NOT SHOWN ON THESE PLANS SHALL BE SUBMITTED FOR APPROVAL BY THE EOR PRIOR TO PLACING ANY CONCRETE.

4. STRUCTURAL CONCRETE SHALL MEET THE FOLLOWING DESIGN CRITERIA:

LOCATION	MIN 28-DAY COMP STRENGTH	CONC TYPE [a]	MAX AGGR. SIZE	MAX W/C RATIO	MAX SLUMP [b]
FOUNDATION	4000 PSI	NWC	1"	0.45	4"
SLAB ON GRADE	4000 PSI	NWC	1"	0.45	4"
ALL OTHER STRUCTURAL CONCRETE NOT NOTED ABOVE	4000 PSI	NWC	1"	0.50	6"

a. MAXIMUM DRY WEIGHT OF LIGHTWEIGHT CONCRETE SHALL BE 115 PCF, UNLESS APPROVED BY SEOR.
b. SLUMP MEASURED PRIOR TO SUPERPLASTICIZER, WHERE OCCURS.
c. USE TYPE II / TYPE V CEMENT.

5. CONCRETE MIX DESIGN AND TESTING SHALL MEET THE REQUIREMENTS OF THE BUILDING CODE, AND SPECIFICATIONS. ALL CONCRETE MIXES SHALL BE DESIGNED BY A RECOGNIZED TESTING LAB STAMPED AND SEALED BY A LICENSED CALIFORNIA CIVIL ENGINEER AND SUBMITTED TO THE SEOR FOR REVIEW PRIOR TO CONCRETE PLACEMENT. STRUCTURAL CONCRETE MIXES SHALL CONSIST OF 5 SACK MINIMUM UNO.

6. AGGREGATES IN NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33 (HARDROCK). AGGREGATES IN LIGHT WEIGHT CONCRETE SHALL CONFORM TO ASTM C-330.

7. COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND THE SEOR.

8. PORTLAND CEMENT SHALL BE TYPE II FOR ALL CONCRETE CONFORMING TO ASTM C150, LOW ALKALI. MILL TESTS WITH CERTIFICATES OF COMPLIANCE SHALL BE SUBMITTED.

9. FLY ASH OR OTHER POZZOLANS CONFORMING TO ASTM C618 CLASS N OR F MAY BE USED AS A PARTIAL SUBSTITUTION FOR PORTLAND CEMENT UP TO A MAXIMUM OF 15% TOTAL CEMENTITIOUS MATERIALS BY WEIGHT IF THE MIX DESIGN IS PROPORTIONED PER ACI 318, SECTION 5.3.

10. CONCRETE MIXING OPERATIONS, ETC. SHALL CONFORM TO ASTM C94.

11. LEAN CONCRETE, WHERE SPECIFICALLY INDICATED, SHALL CONTAIN 2 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE.

12. DRYPACK OR NONSHRINK GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2 TIMES THE SUPPORTING CONCRETE STRENGTH, AND SHALL BE OF MASTERFLOW 713, FIVE STAR GROUT, SIKA GROUT 212, EMBECO 636, OR APPROVED EQUAL. FOR THICK GROUT LAYERS FOLLOW MANUFACTURER'S GUIDELINES TO ATTAIN THE REQUIRED STRENGTH, WHICH MAY INCLUDE THE ADDITION OF PEA GRAVEL.

13. DO NOT USE ANY CONCRETE OR GROUT CONTAINING CHLORIDES. WATER USED IN MIX SHALL BE CLEAN AND POTABLE.

14. PRIOR TO ERECTING ANY ELEMENTS THAT LOAD THE FOUNDATION, CONCRETE MUST REACH AN UNCONFINED COMPRESSION STRENGTH OF 2000 PSI MINIMUM AS DETERMINED BY TESTING OR PREVIOUSLY DOCUMENTED DATA FOR THE MIX DESIGN USED UNDER SIMILAR CONDITIONS, AND MUST BE ALLOWED TO CURE FOR A MINIMUM OF 3 DAYS.

15. FOR INTERIOR SLABS-ON-GRADE AND ALL OTHER SLABS RECEIVING ADHERED FLOORING FINISHES (I.E., GLUED, ETC.), THE MAXIMUM W/C RATIO SHALL NOT EXCEED 0.45. CURING COMPOUNDS USED ON CONCRETE THAT IS TO RECIEVE FINISHES SHALL BE COMPATIBLE WITH TILE AND ADHESIVES OR GROUTS IN ACCORDANCE WITH MANUFACTURER'S DATA AND BE APPROVED BEFORE USE.

16. MAINTAIN CONCRETE ABOVE 50 DEGREES FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT UNLESS OTHERWISE ACCEPTED BY SEOR.

17. SEE ARCHITECTURAL DRAWINGS FOR WALL OPENINGS, WALL OFFSETS, CHAMFERS, KERFS, DRIPS AND FOR EXTENT OF DEPRESSIONS, RAMPS, ETC. PROVIDE SLEEVES FOR ALL PIPES THROUGH CONCRETE WALLS AND FOOTINGS WHERE SHOWN ON THESE DRAWINGS. CORING IS NOT PERMITTED WITHOUT PRIOR APPROVAL BY THE SEOR.

18. EXPOSED CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC. SHALL BE FORMED WITH 3/4" CHAMFER, UNO.

FOUNDATION AND SLAB ON GRADE NOTES:

1. ALLOWABLE SOIL PRESSURES FOR FOOTINGS (MIN.VALUES USED PER 2016 CBC):
   VERTICAL BEARING PRESSURE...................................... 1500 PSF (PAD)
   1500 PSF (CONTINUOUS)
2. CONTRACTOR SHALL PROTECT ALL UTILITY LINES, ETC. ENCOUNTERED DURING EXCAVATION AND BACKFILLING.
3. FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS WITH THE APPROVAL OF THE GEOTECHNICAL ENGINEER. FLOODING IS NOT PERMITTED.
4. ALL TRENCHES SHALL COMPLY WITH APPLICABLE OSHA REQUIREMENTS.
5. COMPACTED FILL SHALL HAVE IN-PLACE DRY DENSITY IS NOT LESS THAN 90 PERCENT OF THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED IN ACCORDANCE WITH ASTM D1557. THE COMPACTING SHALL BE VERIFIED BY SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1705.6 .

HIGH-STRENGTH BOLT NOTES:

1. SEE STRUCTURAL STEEL NOTES THIS SHEET FOR ADDITIONAL INFORMATION.
2. JOINT ASSEMBLIES USING HIGH-STRENGTH BOLTS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE "AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS".
3. ALL HIGH-STRENGTH BOLTS SHALL CONFORM TO ASTM A-325 OR ASTM A-490, NUTS SHALL CONFORM TO ASTM A-563 AND WASHERS SHALL CONFORM TO ASTM F-436.
4. PAINT SHALL NOT BE PERMITTED ON CONTACT SURFACES UNLESS NOTED OTHERWISE. CONTACT SURFACES OF BOLTED PARTS SHALL BE DESCALED AND FREE OF DIRT, OIL, BURRS, PITS, AND OTHER DEFECTS WHICH PREVENT SOLID SEATING OF PARTS.
5. SLIP-CRITICAL JOINT ASSEMBLIES SHALL BE FULLY PRE-TENSIONED BY TURN-OF-NUT TIGHTENING, CALIBRATED WRENCH TIGHTENING, INSTALLATION OF ALTERNATE DESIGN BOLTS OR BY DIRECT TENSION INDICATOR TIGHTENING.
6. HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF THE "AISC SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". SLIP CRITICAL BOLTS (SC) SHALL BE USED FOR ALL "LATERAL FORCE RESISTING SYSTEM" (LFRS) MEMBER STEEL-TO-STEEL CONNECTIONS. TIGHTEN SLIP CRITICAL BOLTS USING ONE OF THE FOLLOWING: TWIST-OFF BOLTS, TENSION CONTROL CALIBRATED WRENCH OR DIRECT TENSION INDICATORS. HIGH STRENGTH BOLTS NOT IN THE SLRS MAY BE INSTALLED SNUG TIGHT.

STRUCTURAL STEEL NOTES:

1. DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATIONS AND STANDARD OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), AS CONTAINED IN THE 14TH EDITION OF "AISC MANUAL OF STEEL CONSTRUCTION".

2. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.

3. PROVIDE THE FOLLOWING MATERIALS FOR STRUCTURAL STEEL UNO:

STRUCTURAL STEEL GRADES:		
A.	ALL WIDE FLANGE SECTIONS	ASTM A992
B.	SQUARE OR RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GRADE B (F_y=46 KSI)
C.	ROUND HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GRADE B (F_y=42 KSI)
D.	PIPES	ASTM A53 TYPE E OR S, GRADE B, (F_y=35 KSI)
E.	PLATES, ANGLES, CHANNELS & TEES	ASTM A36
F.	MOMENT FRAME BASE PLATES	ASTM 572, GRADE 50
G.	MACHINE BOLTS (MB)	ASTM A307
H.	HIGH STRENGTH BOLTS (HSB)	ASTM A325 TYPE N, A490
I.	WELDED HEADED STUDS	ASTM A108
J.	THREADED RODS FOR ANCHOR BOLTS	ASTM F1554, GRADE 36

4. 1/8" THICK PLATES AND THICKER SHALL BE GAS CUT OR SAW CUT EXCEPT AS OTHERWISE NOTED, ALL BOLTS SHALL BE HIGH STRENGTH BOLTS. EXCEPT OTHERWISE NOTED, ALL BOLT HOLES SHALL BE STANDARD HOLES.

5. ALL CONNECTIONS NOT SHOWN SHALL CONFORM TO THE "AISC MANUAL OF STEEL CONSTRUCTION" AND SHALL BE SUBMITTED ON SHOP DRAWINGS FOR REVIEW BY SEOR PRIOR TO FABRICATION.

6. ALL WELDED HEADED STUDS, THREADED STUDS, AND DEFORMED BARS SHALL BE NELSON, OR EQUIVALENT, AND WELDED (IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS BY CERTIFIED WELDERS) SO AS TO FULLY DEVELOP THE TENSILE CAPACITY OF THE CONNECTOR.

7. BOLTS WITH UPSET THREADS ARE NOT ALLOWED. USE THE APPROPRIATE NUT AND WASHER TYPE FOR THE SPECIFIED BOLT.

8. ALL STEEL FABRICATION SHALL BE PERFORMED BY A LICENSED FABRICATOR.

9. ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL PERMANENTLY EXPOSED TO THE ELEMENTS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION UNLESS A WEATHER PROOF COATING IS SPECIFIED BY THE ARCHITECT UNO. STAINLESS AND WEATHERING STEELS ARE EXCEPTED WHERE SPECIFIED.

10. SEE ARCHITECTURAL DRAWINGS FOR NAILER HOLES, WELDED STUDS OR OTHER ITEMS NOT SHOWN IN THESE DRAWINGS. WHERE STEEL IS EMBEDDED IN CONCRETE OR MASONRY, PROVIDE HOLES AS REQUIRED FOR PASSAGE OF CONTINUOUS REINFORCING BARS WHERE INDICATED ON DRAWINGS. DO NOT CUT HOLES IN STRUCTURAL STEEL WITHOUT PRIOR APPROVAL OF SEOR.

11. ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL COMPLY WITH AISC CODE OF STANDARD PRACTICE, SECTION 10.

12. PLACE NON-SHRINK OR DRYPACK GROUT UNDER ALL BASE PLATES AND ALLOW TO CURE BEFORE APPLYING LOADS.

13. ALL OPEN HSS ENDS SHALL BE CAPPED. MIN. 1/4" STL CAP.

WELDING NOTES:

1. WELDING PROCEDURES, ELECTRODES AND WELDER QUALIFICATIONS SHALL CONFORM TO THE "CODE FOR WELDING IN BUILDING CONSTRUCTION", AMERICAN WELDING SOCIETY (AWS), D1.1, D1.8 AND THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
2. ALL WELDERS SHALL HAVE EVIDENCE OF PASSING THE AWS STANDARD QUALIFICATION TESTS, AND SHALL BE CERTIFIED FOR THE WORK THEY ARE PERFORMING.
3. PROJECT WELDING SHALL BE PERFORMED ONLY IN ACCORDANCE WITH WELDING PROCEDURE SPECIFICATIONS (WPS) SUBMITTED BY THE CONTRACTOR AND REVIEWED BY THE SEOR AND PROJECT WELDING INSPECTOR. THE WPS SHALL BE IN ACCORDANCE WITH AWS D1.1-D1.4 & D1.8 CURRENT EDITION.
4. WHERE WELDS ARE DESIGNATED AS DEMAND CRITICAL, THEY SHALL BE MADE WITH A FILLER METAL CAPABLE OF PROVIDING A MINIMUM CHARPY V-NOTCH (CVN) TOUGHNESS OF 20 FT-LB AT -20°F AND 40 FT-LB AT 70°F. SEE AISC 341-10 SECTION A3.4B FOR ADDITIONAL REQUIREMENTS.
5. ALL WELDS WITHIN MEMBERS DESIGNATED AS PART OF THE SEISMIC LOAD RESISTING SYSTEM (SLRS) SHALL CONFORM TO THE DETAILING, MATERIALS, WORKMANSHIP, TESTING, AND INSPECTION REQUIREMENTS PER AWS D1.8 AND MUST HAVE A MIN. CVN TOUGHNESS OF 20 FT-LB @ 0°F PER AISC 341 A3.45B.
6. WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED PER AWS D1.1 & D1.8 USING E70XX ELECTRODES UNLESS OTHERWISED NOTED.
7. WELDING OF REINFORCING BARS SHALL BE PERFORMED PER AWS D1.4 USING E90XX ELECTRODES.
8. WELDING OF METAL DECK AND LIGHT GAGE STEEL SHALL BE IN ACCORDANCE WITH AWS D1.3.
9. ALL FULL PENETRATION WELDS SHALL BE ULTRA-SONIC TESTED PER AWS D1.1 & AISC 341 J6.2.
10. ALL GROOVE OR BUTT WELDS SHALL BE COMPLETE PENETRATION WELDS. ALL EXPOSED BUTT WELDS SHALL BE GROUND SMOOTH.
11. ALL EXPOSED WELDS ON ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL COMPLY WITH AISC CODE OF STANDARD PRACTICE, SECTION 10.
12. FIELD WELDS HAVE BEEN INDICATED WHERE THEY ARE EXPECTED TO OCCUR. THE CONTRACTOR SHALL DETERMINE THE ACTUAL FIELD WELDING NECESSARY TO COMPLETE THE PROJECT AND INCLUDE ALL ASSOCIATED COSTS WITHIN THE BASE BID.

COLD-FORMED STEEL FRAMING NOTES:

1. DESIGN, FABRICATION AND ERECTION OF COLD-FORMED STEEL FRAMING SHALL CONFORM TO THE SPECIFICATIONS AND STANDARD OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI), AS CONTAINED IN THE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION, INCLUDING ALL APPLICABLE AMENDMENTS.
2. ALL COLD-FORMED STEEL FRAMING SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
3. COLD-FORMED STEEL GRADES:
   A. 18 GA (43 MILS) OR THINNER ....ASTM A1003 GRADE 33 (FY = 33 KSI)
   B. 16 GA (54 MILS) AND THICKER ....ASTM A1003 GRADE 50 (FY = 50 KSI)
4. ALL COLD-FORMED STEEL FRAMING SHALL BE BRACED AS REQUIRED BY SECTION D3 OF THE AISI SPECIFICATION.
5. SUBMIT COLD-FORMED STEEL FRAMING SHOP DRAWINGS AND SPECIFICATIONS TO THE SEOR FOR REVIEW PRIOR TO FABRICATION.
6. COLD-FORMED STEEL STUDS AND TRACKS ARE TO BE ATTACHED WITH SHEET METAL SCREWS (SMS) WITH SIZES CALLED OUT ON THE DETAILS. PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHOULD NOT BE LESS THAN 3 EXPOSED THREADS. SCREWS ARE TO BE INSTALLED AND TIGHTENED IN ACCORDANCE WITH SCREW MANUFACTURER'S RECOMMENDATIONS.
7. ALL HOLES FOR BOLTS SHOULD BE SHALL BE STANDARD HOLES.

ROUGH CARPENTRY/ WOOD NOTES:

1. ALL GRADES SPECIFIED ARE MINIMUM GRADES REQUIRED.
2. DOUGLAS FIR (DF) SHALL BE GRADED BY THE WESTERN WOOD PRODUCTS ASSOCIATION GRADING RULES, AND ASTM D245.
3. REDWOOD SHALL BE GRADED BY THE CALIFORNIA REDWOOD ASSOCIATION, REDWOOD INSPECTION SERVICE.
4. SILL PLATES SHALL BE PRESSURE-TREATED (PT) DOUGLAS FIR #2. REDWOOD IS PERMITTED WITH SEOR APPROVAL.
5. NON-LOAD BEARING STUDS, TOP PLATES, BLOCKING, FURRING AND BRACING SHALL BE...DF #2
   JOISTS, RAFTERS, PURLINS, BEAMS & POSTS SHALL BE ....DF #1 (UNO)
   LOAD BEARING STUDS SHALL BE...DF #1
6. MOISTURE CONTENT OF SAWN LUMBER SHALL NOT EXCEED 18% WHEN FRAMING STARTS OR SHEATHING IS APPLIED. ANY NONCOMPLIANT WORK SHALL BE REJECTED AND REFRAMED WITH ACCEPTABLE LUMBER.
7. TIMBERS 4" NOMINAL IN THE LEAST DIMENSION SHALL NOT CONTAIN BOXED HEART.
8. SILL PLATES SHALL BE PRESSURE-TREATED AND SHALL BE BOLTED TO CONCRETE WITH 5/8" DIAMETER ANCHOR BOLTS AT 32" OC MAX, UNO WITH A BOLT BETWEEN 6" TO 9" FROM THE END OF EACH PIECE OF SILL (2 BOLTS MIN EACH PIECE). PIECE OF SILL SHALL BE CONSIDERED ENDED WHERE PLATE IS CUT OUT OVER ONE-THIRD OF CROSS-SECTION.
9. ANCHOR BOLTS FOR NON-STRUCTURAL WALLS SUPPORTED ON SLABS SHALL HAVE 3 1/2" EMBEDMENT (UNO) MEASURED FROM TOP OF SLAB.
10. ANCHOR BOLTS FOR STRUCTURAL WALLS SHALL HAVE 12" EMBEDMENT (UNO) MEASURED FROM TOP OF SLAB.
11. STUD BEARING WALLS AND PARTITIONS SHALL HAVE DOUBLE TOP PLATES LAPPED AT WALL AND PARTITION INTERSECTIONS. JOINTS IN UPPER AND LOWER MEMBERS OF DOUBLE TOP PLATES SHALL BE STAGGERED AT LEAST 4'-0".
12. HOLES IN WOOD AND STEEL MEMBERS FOR BOLTS SHALL BE THE NOMINAL BOLT DIAMETER PLUS 1/16".
13. ALL BOLTS IN WOOD SHALL BE ASTM A307 STANDARD BOLTS, UNO. BOLTS AND SCREWS SHALL BE TIGHTENED AT TIME OF ERECTION AND RETIGHTENED BEFORE CLOSING IN OR AT THE COMPLETION OF THE JOB.
14. HOLES IN WOOD FOR LAG SCREW SHANK SHALL BE BORED TO THE SAME DIAMETER AND DEPTH AS THE SHANK, AND FOR THE THREADED PORTION BORED WITH A BIT NOT LARGER THAN THE BASE OF THREADS.
15. LAG SCREWS AND SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE. HOLES SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM 1/16" LARGER THAN THE BOLT DIAMETER. HOLES SHALL BE ACCURATELY ALIGNED IN MAIN MEMBERS AND SIDE PLATES. BOLTS SHALL NOT BE FORCIBLY DRIVEN.
16. METAL FRAMING CONNECTORS SHALL BE MANUFACTURED BY SIMPSON STRONG TIE COMPANY (CURRENT CATALOG), OR "USP" WITH EQUIVALENT ICC PUBLISHED VALUES AND SHALL BE INSTALLED PER SPECIFICATIONS, NO EXCEPTIONS.
17. INSTALL WINDOWS AND DOORS IN STUD WALLS AFTER DEAD LOADS ARE APPLIED, AND PROVIDE A 1/2" SHIM SPACE AT THE HEAD CONDITION.
18. STEEL WASHERS SHALL BE PROVIDED UNDER HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS WHICH BEAR ON WOOD. STANDARD CUT WASHERS MAY BE USED IN ALL CASES EXCEPT SILL PLATES AND WOOD LEDGERS AGAINST CONCRETE OR MASONRY. NOTE, WASHERS UNDER CARRIAGE BOLT HEADS SHALL BE LARGE ENOUGH TO ALLOW FOR SQUARE SHOULDERS.
19. FOR PLATE WASHERS AT SILL PLATES SEE DETAIL BELOW.
    HOLES IN PLATE WASHERS SHALL BE PERMITTED TO BE DIAGONALLY SLOTTED WITH A WIDTH OF UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND A SLOT LENGTH NOT TO EXCEED 1-3/4" GIVEN THAT A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT.

BOLT DIAMETER	AT 2x4 WALL	AT 2x6 WALL
1/2"	2 1/2" x 2 1/2" x 1/4"	4 1/2" x 3" x1/4
5/8"	2 1/2" x 2 1/2" x 1/4"	4 1/2" x 3" x 1/4"
3/4"	2 1/2" x 2 1/2" x 5/16"	4 1/2" x 3" x 5/16"
7/8"	2 1/2" x 2 1/2" x 3/8"	4 1/2" x 3" x 3/8"
1"	2 1/2" x 2 1/2" x 3/8"	4 1/2" x 3" x 3/8"

STATEMENT OF SPECIAL INSPECTIONS:

1. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE DSA AND SEOR (VIA DSA FORM 5PI), FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
2. NOT USED.
3. ALL INSPECTIONS SHALL BE PERFORMED BY INDEPENDENT SPECIAL INSPECTORS. JOB SITE VISITS BY THE STRUCTURAL ENGINEER OR BUILDING OFFICIAL DO NOT CONSTITUTE AND ARE NOT A SUBSTITUTE FOR INSPECTIONS BY A SPECIAL INSPECTOR.
4. ALL INSPECTION REPORTS SHALL BE SUBMITTED TO DSA AND SEOR. THE FINAL REPORTS BY THE SPECIAL INSPECTOR(S) MUST CERTIFY THAT THE ENTIRE STRUCTURAL SYSTEM COMPLIES WITH THE APPROVED PLANS AND SPECIFICATIONS.
5. IT IS SOLELY THE I.O.R. AND THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT THESE INSPECTIONS ARE PERFORMED.
6. WORK REQUIRING SPECIAL INSPECTION SHALL BE INSPECTED BY THE SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS PERFORMED AND AT THE COMPLETION OF WORK. CONTINUOUS INSPECTION CONSISTS OF FULL-TIME INSPECTION; PERIODIC INSPECTION CONSISTS OF PART-TIME OR INTERMITTENT INSPECTION.
7. NOT USED.
8. REFER TO DSA 103 SPECIAL INSPECTION FORM FOR ALL TEST AND INSPECTION REQUIRED, AS WELL AS CALIFORNIA BUILDING CODE CHAPTER 17A.

NAILING SCHEDULE

(UNLESS OTHERWISE NOTED ON PLANS)

NAIL SPACING TO BE NOT LESS THAN REQUIRED PENETRATION. EDGE AND END DISTANCES SHALL BE NOT LESS THAN HALF THIS SPACING. ALL SPACING AND EDGE AND END DISTANCES SHALL BE SUCH AS TO AVOID SPLITTING OF THE WOOD. HOLES FOR NAILS, WHERE NECESSARY TO PREVENT SPLITTING, SHALL BE BORED OF A DIAMETER SMALLER THAN THAT OF THE NAILS. COMMON OR BOX NAILS MAY BE USED FOR NAILING AT TYPICAL CONNECTIONS NOTED BELOW (U.N.O.). FOR ALL CONNECTIONS OTHERWISE NOTED OR DETAILED ON PLANS, COMMON NAILS SHALL BE USED (SEE SCHEDULE BELOW).

NAIL SCHEDULE (COMMON NAILS)

SIZE	DIAMETER (IN)	LENGTH (IN)
8d	0.131	$2\frac{1}{2}$
10d	0.148	3
12d	0.148	3 1/4
16d	0.162	3 1/2
20d	0.192	4

SHORTENED 10d COMMON NAILS MAY BE USED TO FASTEN WOOD STRUCTURAL PANELS UNO. USE THE FOLLOWING MINIMUM LENGTHS: 10d x 2 1/4" FOR 15/32" OR THINNER PANELS, 10d x 2 3/8" FOR 19/32" PANELS, AND FULL LENGTH FOR 5/8" OR THICKER PANELS.

TABLE 2304.10.1
FASTENING SCHEDULE

	DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION
	WALL		
1	STUD TO STUD (NOT A BRACED WALL PANELS)	16d	24" O.C. FACE NAIL
2	STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)	16d	16" O.C. FACE NAIL
3	BUILT-UP HEADER (2" TO 2"HEADER)	16d	16" O.C. EACH EDGE, FACE NAIL
4	CONTINUOUS HEADER TO STUD	(4) 8d	TOENAIL
5	TOP PLATE TO TOP PLATE	16d	16" O.C. FACE NAIL
6	TOP PLATE TO TOP PLATE, AT END JOINTS	(8) 16d	EACH SIDE OF END JOINT, FACE NAIL (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)
7	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)	16d	16" O.C. FACE NAIL
8	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING AT BRACED WALL PANELS	(2) 16d	16" O.C. FACE NAIL
9	STUD TO TOP OR BOTTOM PLATE	(4) 8d	TOENAIL
		(2) 16d	END NAIL
10	TOP OR BOTTOM PLATE TO STUD	(2) 16d	END NAIL
11	TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	(2) 16d	FACE NAIL
12	1" BRACE TO EACH STUD AND PLATE	(2) 8d	FACE NAIL
13	1"x6" SHEATHING TO EACH BEARING	(2) 8d	FACE NAIL
14	1"x8" AND WIDER SHEATHING TO EACH BEARING	(3) 8d	FACE NAIL

a. NAILS SPACED AT 6 INCHES AT INTERMEDIATE SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX OR CASING

b. SPACING SHALL BE 6 INCHES ON CENTER ON THE EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS. PANEL SUPPORTS AT 16 INCHES (20 INCHES IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED).

c. WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE AND THE CEILING JOIST IS FASTENED TO THE TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE, THE NUMBER OF TOENAILS IN THE RAFTER SHALL BE PERMITTED TO BE REDUCED BY ONE NAIL.

TYPICAL ABBREVIATIONS

AB	ANCHOR BOLT
ABV	ABOVE
ADDT'L	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ARCH	ARCHITECT(URAL)
BLDG	BUILDING
BLKG	BLOCKING
BLW	BELOW
BM	BEAM
BN	BOUNDARY NAILING
B.O.	BOTTOM OF
BOTT	BOTTOM
BRG	BEARING
BS	BOTH SIDES
BTWN	BETWEEN
C	CAMBER
CIP	CAST IN PLACE
CJ	CONTROL/ CONSTRUCTION JOINT
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CP	COMPLETE PENETRATION
CSK	COUNTERSINK
CTR(D)	CENTER(ED)
D_B	BAR OR BOLT DIAMETER
DBL	DOUBLE
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DO	DITTO
DWG	DRAWING
(E)	EXISTING
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOIST
EMBED	EMBEDMENT
ELEC	ELECTRICAL
ELEV	ELEVATION
EN	EDGE NAILING
E.O.	EDGE OF
EOR	ENGINEER OF RECORD
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE OR EDGE SCREW
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
FIN	FINISH
FLR	FLOOR
FN	FIELD NAILING
FND	FOUNDATION
F.O.	FACE OF
FS	FAR SIDE OR FIELD SCREW
FRMG	FRAMING
FT	FOOT OR FEET
FTG	FOOTING
G	GIRDER
GA	GAGE
GALV	GALVANIZED
HAB	HEADED ANCHOR BOLT
HD	HOLDDOWN
HDR	HEADER
HGR	HANGER
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HS	HIGH STRENGTH
HSS	HOLLOW STRUCTURAL STEEL
HT	HEIGHT
IN	INCH
INT	INTERIOR
JST	JOIST
KLF	KIPS PER LINEAR FOOT
KSL	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	ANGLE
LFRS	LATERAL FORCE RESISTING SYSTEM
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LOW POINT
LWC	LIGHTWEIGHT CONCRETE
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MTL	METAL
(N)	NEW
NS	NEAR SIDE OR NON-SHRINK
NTS	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
OC	ON CENTER
O.F.	OUTSIDE FACE
OH	OPPOSITE HAND
OPNG	OPENING
PDF	POWDER DRIVEN FASTENER
PJ	PANEL JOIST
PL	PLATE
PLC(S)	PLACE(S)
PLF	POUND PER LINEAR FOOT
PLYWD	PLYWOOD
PREFAB	PREFABRICATED
PSF	POUND PER SQUARE FOOT
PSI	POUND PER SQUARE INCH
PT	PRESSURE TREATED OR POST TENSION
QTY	QUANTITY
RAD, R	RADIUS
REF	REFERENCE
REINF	REINFORCING
REQD	REQUIRED
SB	SILL BOLT
SC	SAW CUT OR SLIP CRITICAL
SCHED	SCHEDULE
SEOR	STRUCTURAL ENGINEER ON RECORD
SHTG	SHEATHING
SIM	SIMILAR
SMS	SHEET METAL SCREW
SN	SILL NAIL
SOG	SLAB ON GRADE
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STGRD	STAGGERED
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
T&B	TOP AND BOTTOM
THK	THICK
T.O.	TOP OF
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W/	WITH
W/O	WITHOUT
WF	WIDE FLANGE
WLD	WELDED
WO	WHERE OCCURS
WP	WORK POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

Ø = DIAMETER
⯐ = REFERENCE ELEVATION OR WORK POINT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

VCA ENGINEERS INC
CIVIL • STRUCTURAL
MBE ● DBE ● SBE
Quality Service Commitment
2151 Michelson Dr. #240
Irvine, CA 92612
Tel. 949.679.0870
Fax. 949.679.9370
Project No.: D322

YOUNG-KEUN NAM
No. S4029
Exp. 9/30/20

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

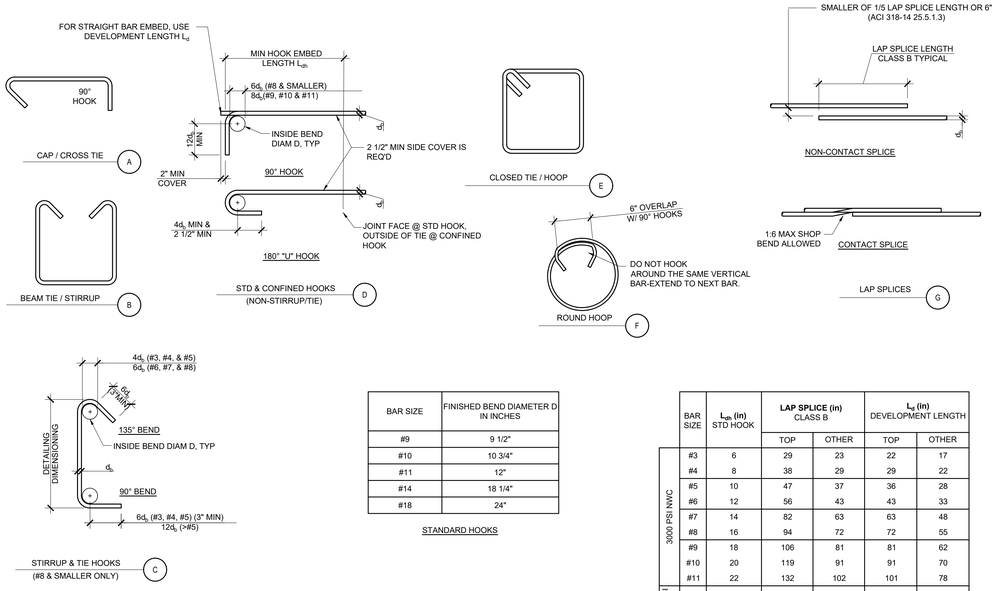
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221

owner

tBP project number : 20987.00
file name:
drawn by: checked by:
date: 8.29.19
Rev: date: description:

drawing title:
GENERAL NOTES

drawing no.:
S0-1
drawing of



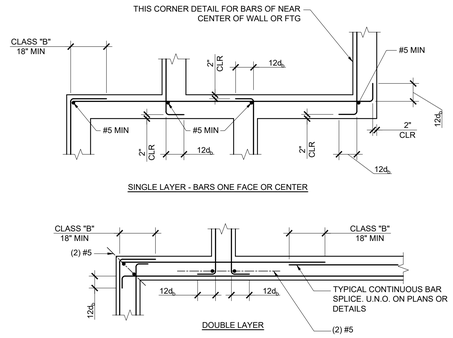
BAR SIZE	FINISHED BEND DIAMETER D IN INCHES
#9	9 1/2"
#10	10 3/4"
#11	12"
#14	18 1/4"
#18	24"

STANDARD HOOKS

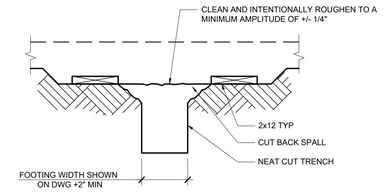
	BAR SIZE	L_{dh} (in) STD HOOK	LAP SPLICE (in) CLASS B		L_d (in) DEVELOPMENT LENGTH	
			TOP	OTHER	TOP	OTHER
3000 PSI NWC	#3	6	29	23	22	17
	#4	8	38	29	29	22
	#5	10	47	37	36	28
	#6	12	56	43	43	33
	#7	14	82	63	63	48
	#8	16	94	72	72	55
	#9	18	106	81	81	62
	#10	20	119	91	91	70
	#11	22	132	102	101	78
4000 PSI NWC	#3	6	25	20	19	15
	#4	7	33	25	25	19

NOTES:
1. L_{dh} - HOOK DEVELOPMENT LENGTH.
2. L_d - DEVELOPMENT LENGTH.
3. SEE BUILDING CODE AND ACI 318-14 VERSION FOR ALL REQUIREMENTS NOT NOTED.
4. FOR LIGHTWEIGHT CONCRETE MULTIPLY L_{dh} AND L_d VALUES SHOWN BY 1.33.
5. "TOP" BARS ARE HORIZONTAL WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW BARS. ALL OTHER BARS ARE "BOT" BARS.
6. STD HOOK L_{dh} DOES NOT ACCOUNT FOR THE EFFECT OF TIES. CONFINED HOOK L_{dh} MAY BE USED WHERE ACI 318-14 25.4.3.2 APPLIES.
7. VALUES SHOWN ABOVE ARE FOR GRADE 60 (FY=60 KSI) REINFORCEMENT.
8. SPLICE LENGTHS SHOWN ARE FOR CLEAR SPACING NOT LESS THAN $2d_b$. CONCRETE COVER NOT LESS THAN d_b.
9. FOR EPOXY-COATED REINFORCEMENT, SEE BUILDING CODE

5 TYPICAL REINFORCEMENT DETAILS AND DEVELOPMENT LENGTHS
1" = 1'-0"



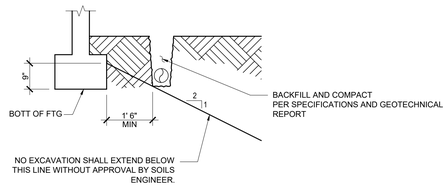
3 REINF. BAR SPLICE @ CONT. WALL FTGS INTERSECTIONS
NTS



NOTES:
1. FOOTINGS POURED AGAINST EARTH ARE SUBJECT TO APPROVAL OF GEOTECHNICAL ENGINEER.
2. FOOTING WIDTHS SHALL NOT BE MORE THAN 4" WIDER THAN SHOWN ON PLAN.
3. FORMWORK NOT PERMITTED BELOW GRADE.
4. FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE GEOTECHNICAL ENGINEER. THE 2x12 SHOWN IS MANDATORY TO ENSURE CLEAN EXCAVATIONS IMMEDIATELY PRIOR TO AND DURING THE PLACING OF CONCRETE.
5. STAKES NOT PERMITTED IN THE FOOTING AREA.

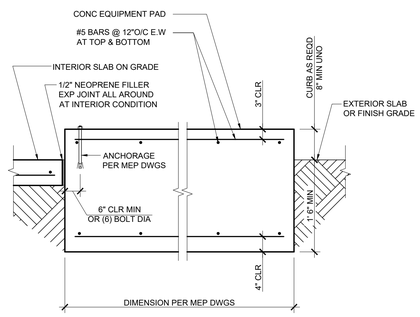
4 FOOTING POURED AGAINST EARTH
NTS

7 DETAIL
NTS

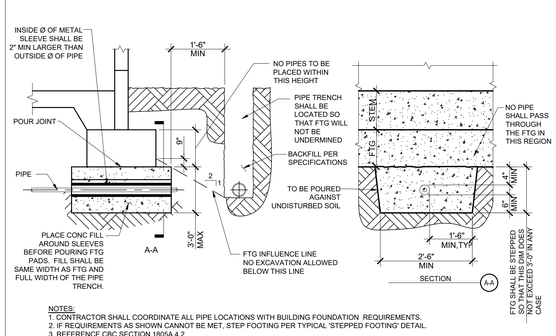


NOTE:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING OR OTHERWISE MAINTAINING THE SIDES OF THE EXCAVATION FROM CAVE-INS UNTIL ALL BACKFILL IS COMPLETED PER SPECIFICATIONS AND GEOTECHNICAL REPORT.

8 TYPICAL EXCAVATION PARALLEL TO FOOTING
NTS

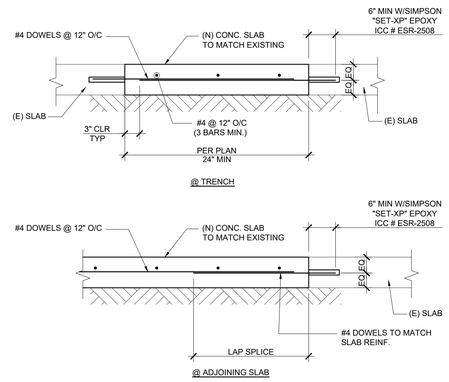


9 TYPICAL ISOLATED EQUIPMENT PAD
NTS

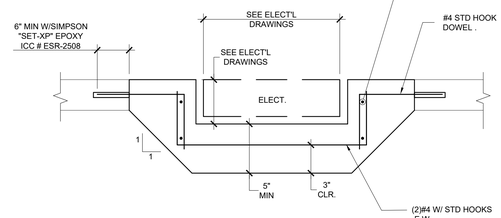


NOTES:
1. CONTRACTOR SHALL COORDINATE ALL PIPE LOCATIONS WITH BUILDING FOUNDATION REQUIREMENTS.
2. IF REQUIREMENTS AS SHOWN CANNOT BE MET, STEP FOOTING PER TYPICAL 'STEPPED FOOTING' DETAIL.
3. REFERENCE CBC SECTION 1805A.4.2

10 PIPE PENETRATION @ FOOTING
NTS



11 SLAB PATCH DETAIL
NTS



12 DETAIL
NTS

13 DETAIL
NTS

14 DETAIL
NTS

15 DETAIL
NTS

16 DETAIL
NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

VCA ENGINEERS INC
CIVIL ★ STRUCTURAL
2151 Michelson Dr. #240
Irvine, CA 92612
Tel. 949.679.0870
Fax. 949.679.9370
Project No.: D322

REGISTERED PROFESSIONAL ENGINEER TOON-G-KEUN NAM No. S4029 Exp. 9/30/20 STRUCTURAL STATE OF CALIFORNIA

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name:

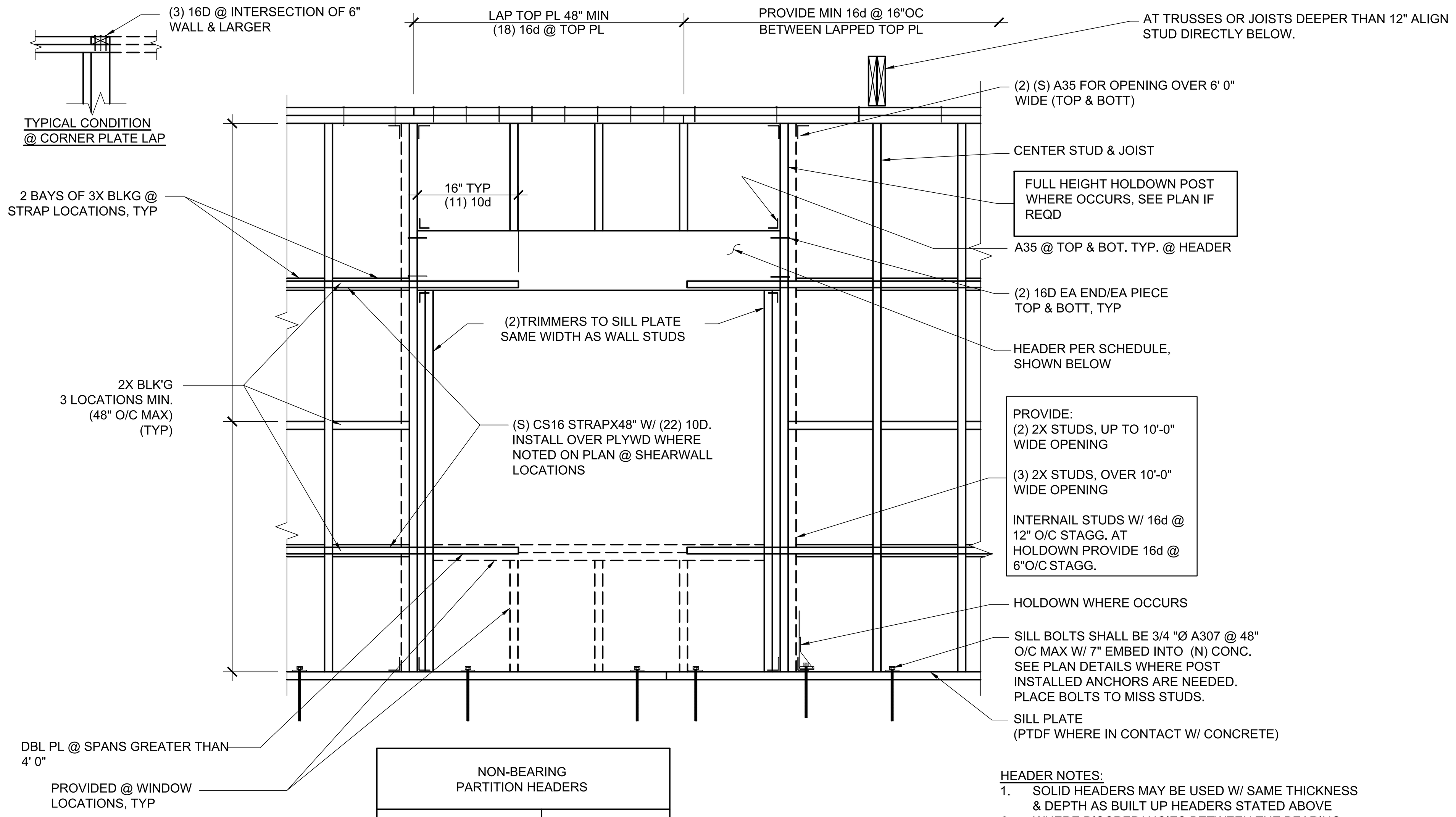
drawn by: checked by:

date: 8.29.19

Rev:	date:	description:

drawing title:
TYPICAL DETAILS

drawing no.:
S1-1
drawing of



NOTE: STUD SPACING = 16" O/C

NON-BEARING PARTITION HEADERS	
SPAN	2X6 STUD WALL
UP TO 8' 0"	(3) 2X6
8' 1" TO 10' 0"	(3) 2X8
10' 1" TO 12' 0"	(3) 2X10

HEADER NOTES:
1. SOLID HEADERS MAY BE USED W/ SAME THICKNESS & DEPTH AS BUILT UP HEADERS STATED ABOVE
2. WHERE DISCREPANCIES BETWEEN THE BEARING WALL HEADER SCHEDULE AND DRAWINGS OCCURS, DRAWINGS TAKE PRECEDENCE

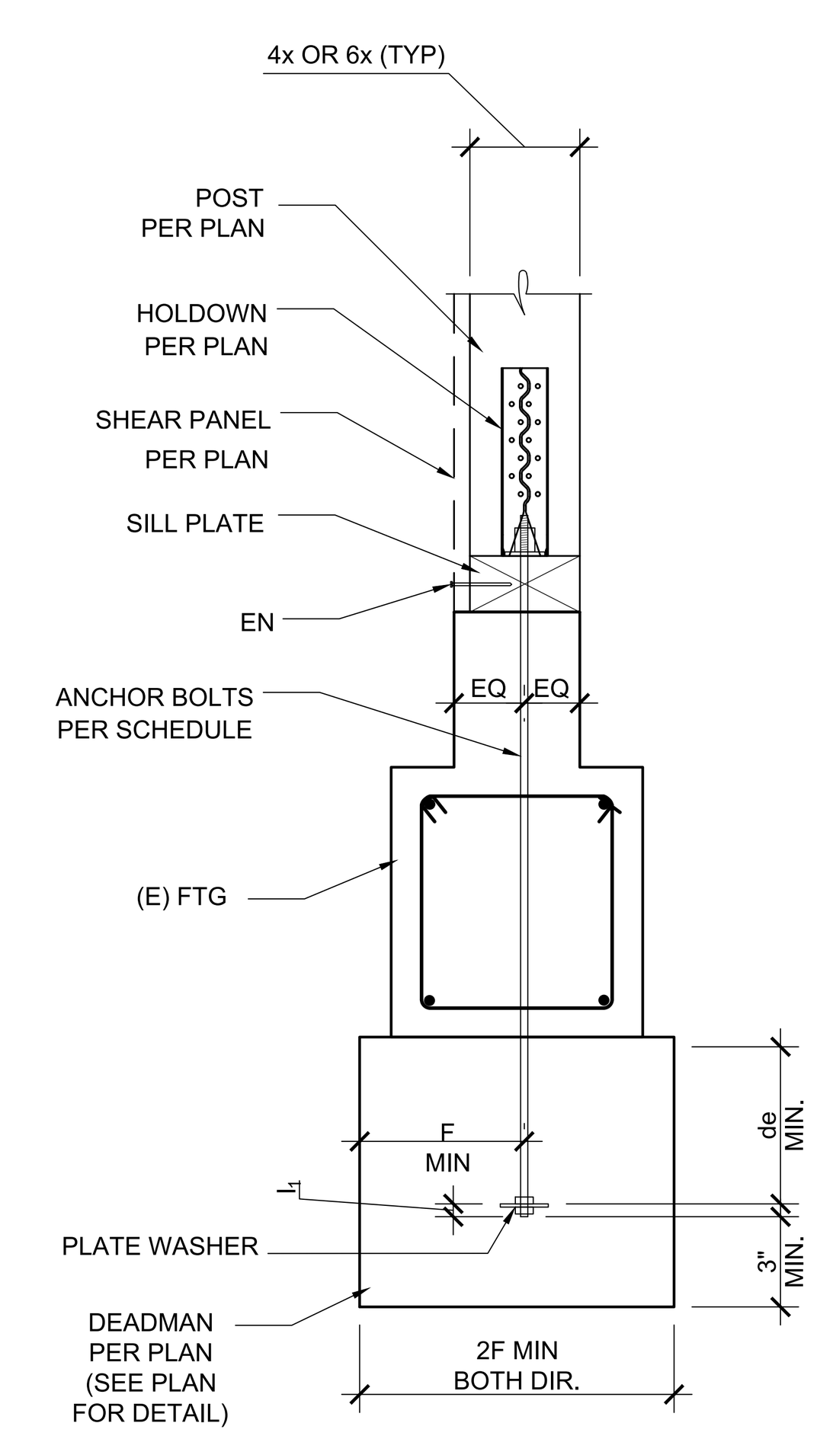
5 TYP WALL AND OPENING FRAMING
NTS

3 DETAIL
NTS

4 DETAIL
NTS

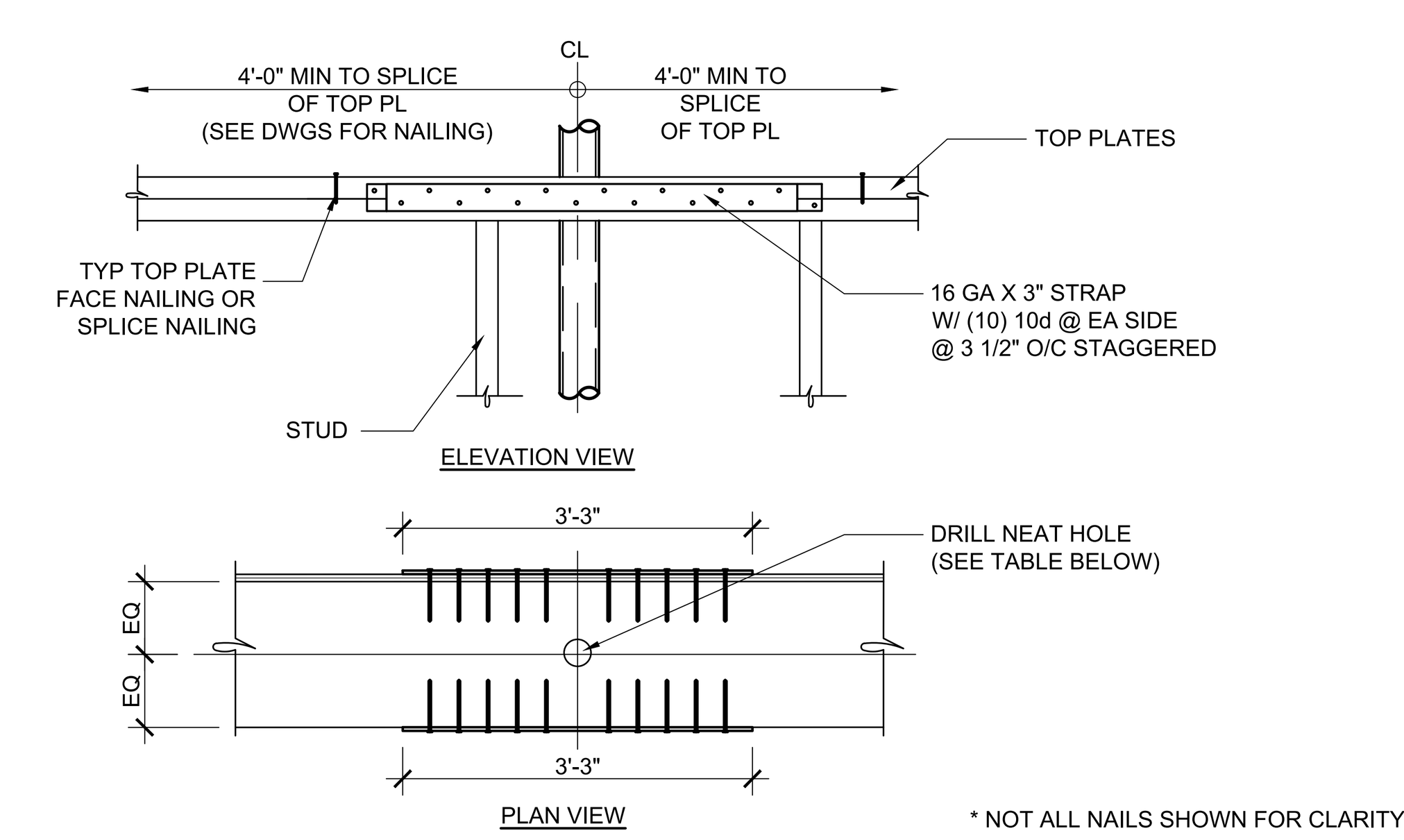
HOLDOWN SCHEDULE			
SIZE	SIMPSON PAB	"de" (U.N.O)	F
DDT2Z	PAB4 - 1/2"	4 1/2"	7"

PAB ANCHOR BOLT SCHEDULE		
DIAMETER	PLATE WASHER SIZE	t_1 (FROM TOP OF PLATE WASHER TO END OF ANCHOR ROD)
1/2"	3/8"X 1 1/2"X 1 1/2"	1 1/8"



11 HOLDOWN DETAIL
NTS

8 DETAIL
NTS



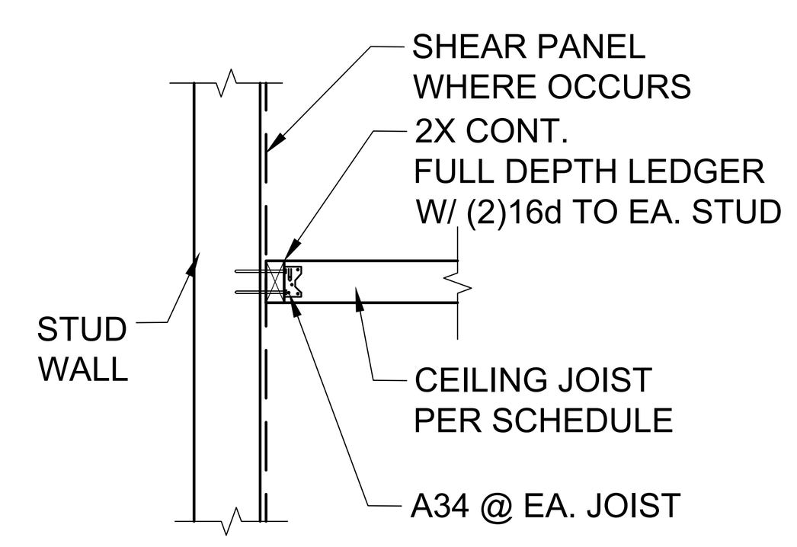
* NOT ALL NAILS SHOWN FOR CLARITY

STUD SIZE	BEARING/SHEAR WALL	PARTITION
2X4	1 3/8"	2"
	2 1/8"	3 1/4"
2X6	>2 1/8 TO 3 1/2" MAX USE SIMPSON'S CTS218 @ EA SIDE OF EA PLATE (IN LIEU OF 16GA STRAP)	-

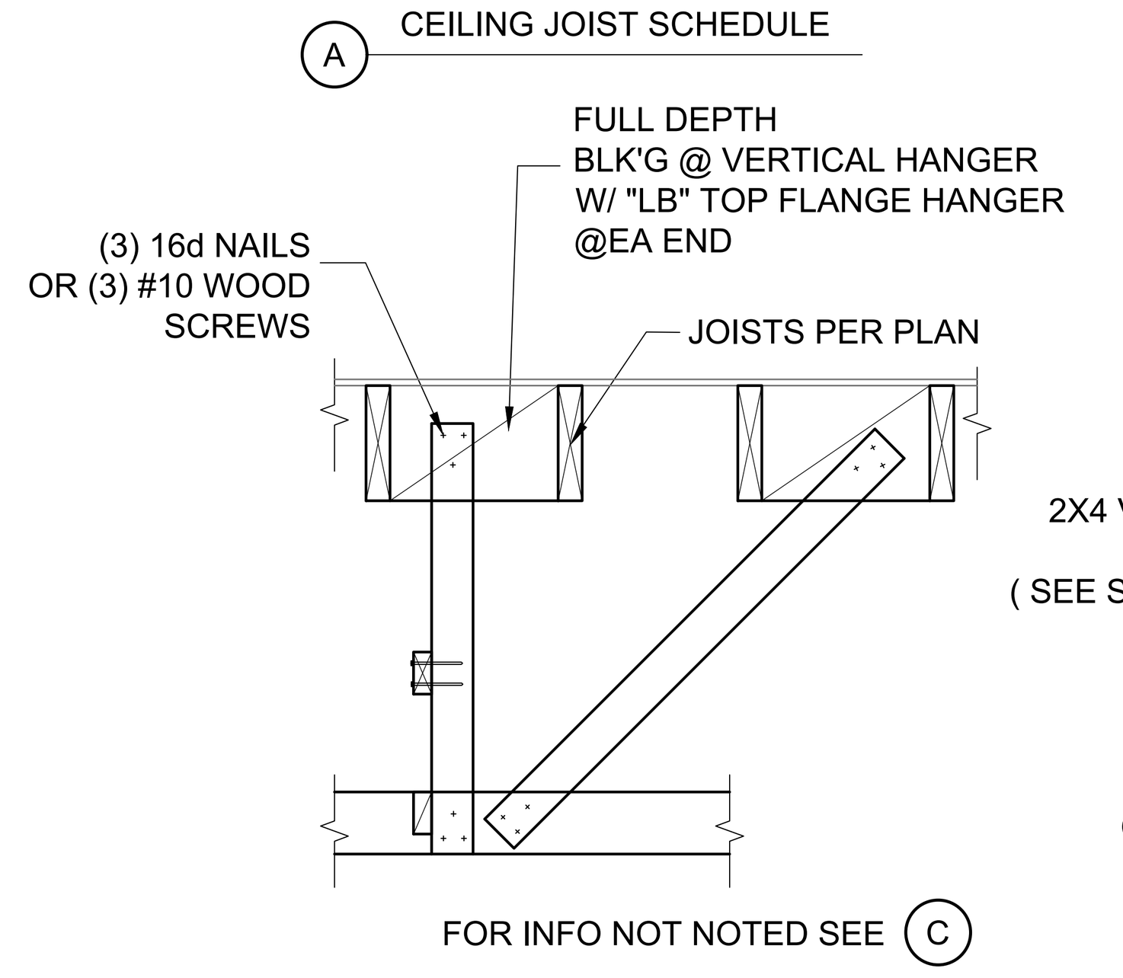
12 TOP PLATE MEP PENETRATION
NTS

MAX. CEILING JOIST SPAN / VERT HANGER SPAN	JOIST SIZE AND SPACING	MAX CEILING WT
8' - 0"	2X4 @ 16" O/C MAX	MAX 10 PSF DEAD LOAD
10' - 0"	2X6 @ 16" O/C MAX	
12' - 0"	2X8 @ 16" O/C MAX	

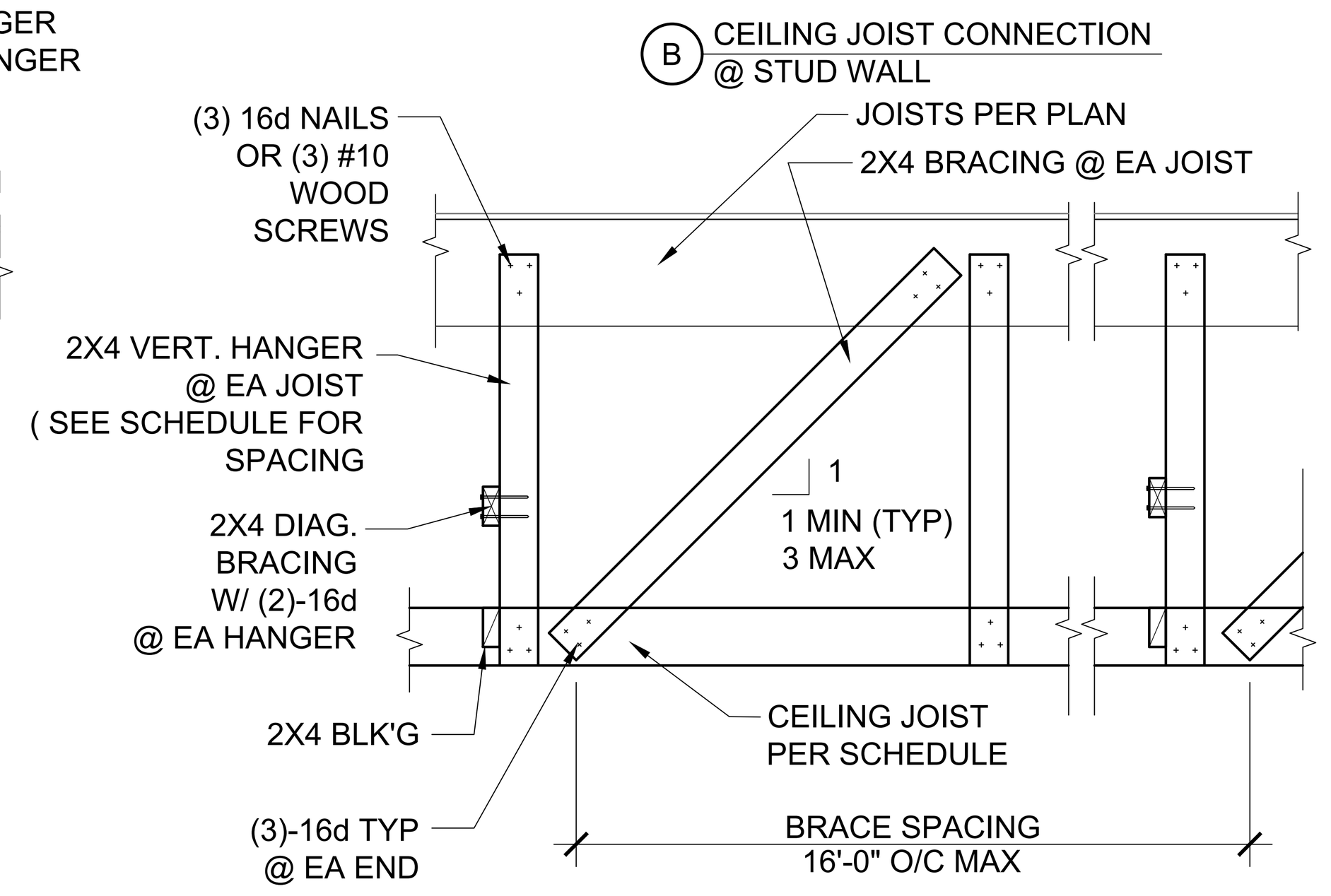
A CEILING JOIST SCHEDULE



B CEILING JOIST CONNECTION @ STUD WALL



D CEILING JOIST PERPENDICULAR TO FRAMING MEMBER



C CEILING JOIST PARALLEL TO FRAMING MEMBER

13 DETAIL
NTS

15 DETAIL
NTS

16 DETAIL
NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159
agency

tBP architecture planning interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

VCA ENGINEERS INC
CIVIL • STRUCTURAL
2151 Michelson Dr. #240
Irvine, CA 92612
Tel. 949.679.0870
Fax. 949.679.9370
Project No.: D322
No. S4029
Exp. 9/30/20
STATE OF CALIFORNIA
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

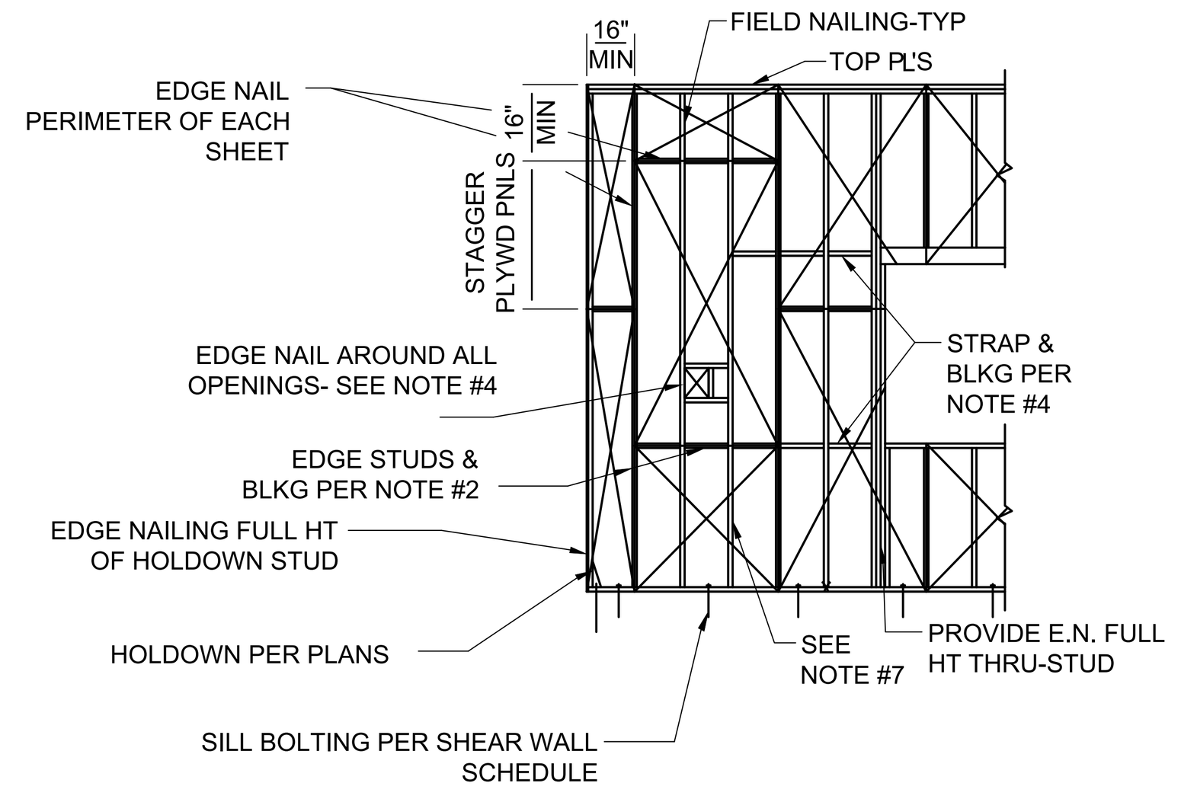
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221

owner

tBP project number : 20987.00
file name:
drawn by: checked by:
date: 8.29.19
Rev: date: description:

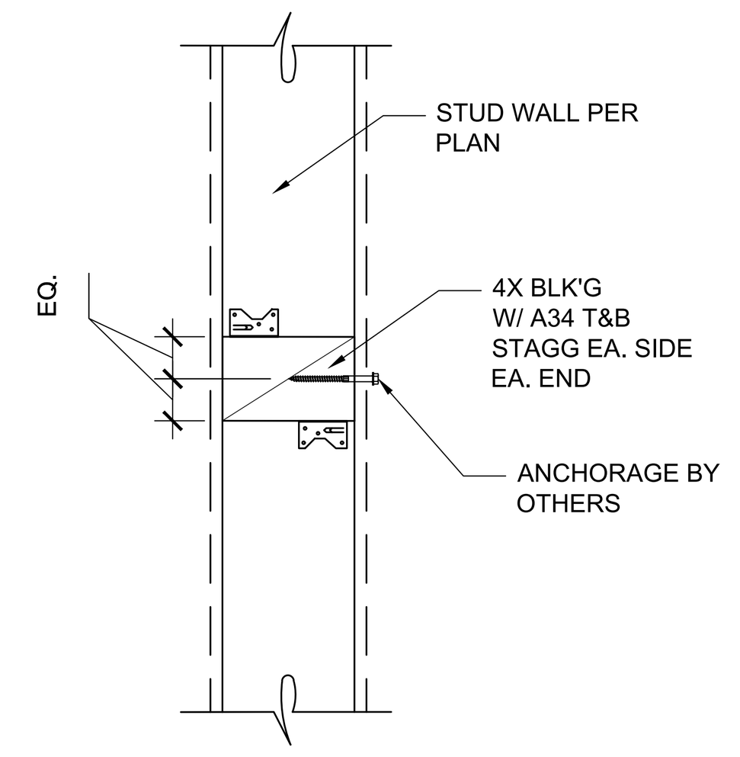
drawing title:
TYPICAL DETAILS

drawing no.:
S1-2
drawing of



NOTES:
1. NAIL EDGE DISTANCE SHALL BE 3/8" FROM EDGE OF PLYWOOD AND EDGE OF 2x STUDS AND BLOCKING.
2. PROVIDE EDGE STUDS AND BLOCKING PER SHEAR WALL SCHEDULE.
3. NAIL EDGE DISTANCE SHALL BE 5/8" FROM EDGE OF PLYWOOD AND EDGE OF 3x STUDS AND BLOCKING.
4. PROVIDE EDGE NAILING AROUND ALL OPENINGS. WHERE OPENING WIDTH EXCEEDS ONE STUD SPACE, PROVIDE CS16 COILED STRAP EACH SIDE OF OPENING WITH 10d @ 4" O/C. STRAP LENGTH SHALL EQUAL OPENING WIDTH/3 WITH STRAP CENTER AT JAMB STUD. STRAP LENGTH NEED NOT EXCEED 8'-0" AND MAY BE OMITTED AT CORNER (END OF WALL) COND'N. WHERE NON-CONT HEADERS OCCUR AT ADJACENT OPENINGS PROVIDE CS16 ACROSS HEADERS WITH LENGTH BASED ON LARGER OPENING (STRAP NOT REQ'D AT CONTINUOUS HEADERS).
5. MACHINE APPLIED NAILING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER.
6. ALL DEFECTIVE NAILING SHALL BE REMOVED AND REPLACED BY SOUND NAILING.
7. PROVIDE FULL HEIGHT EDGE NAILING WHERE POST OR STEEL COLUMN WITH NAILERS OCCURS WITHIN WALL.

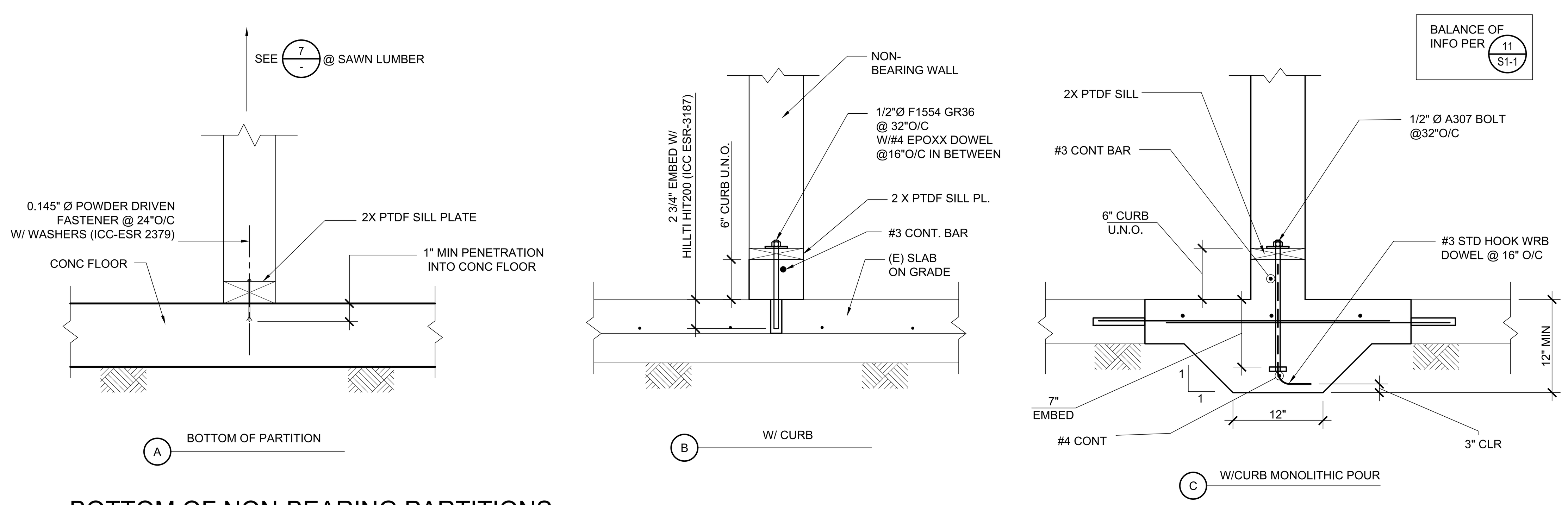
1 PLYWOOD SHEARWALL DETAIL
NTS



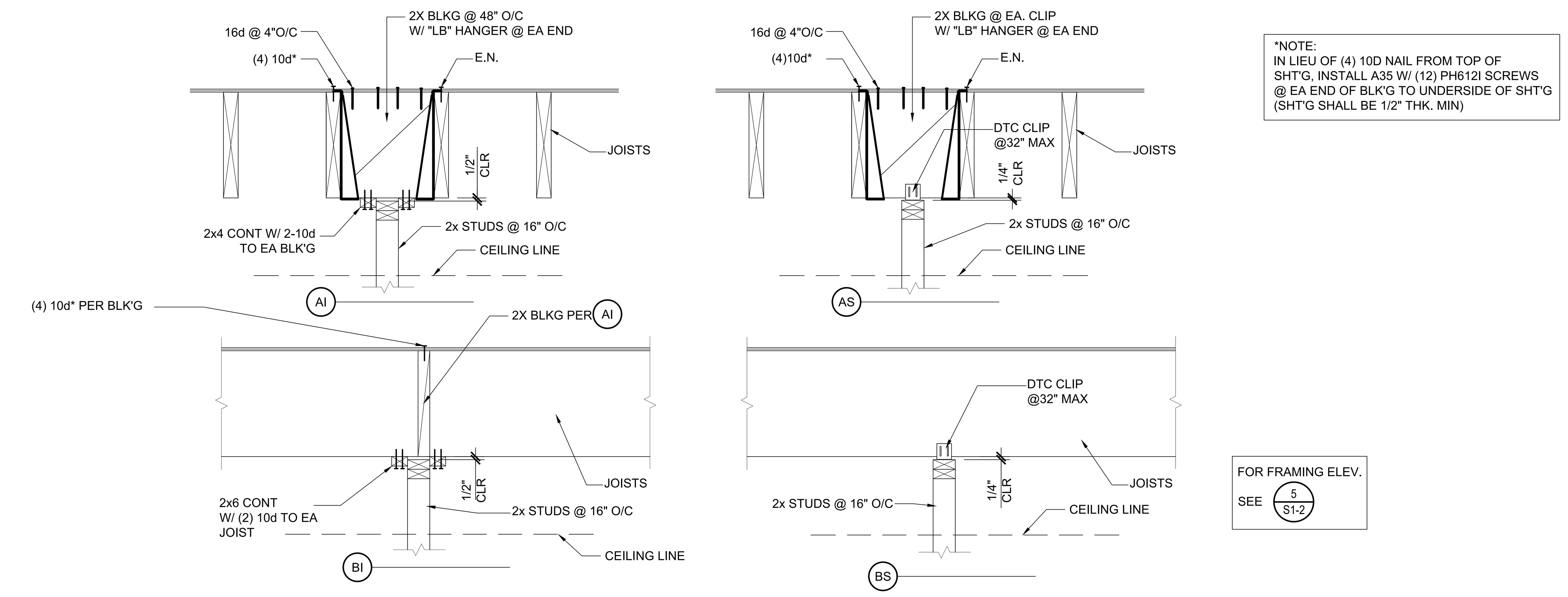
2 TYPICAL BLOCKING/BACKING DETAIL
NTS

3 DETAIL
NTS

4 DETAIL
NTS



5 BOTTOM OF NON-BEARING PARTITIONS
NTS



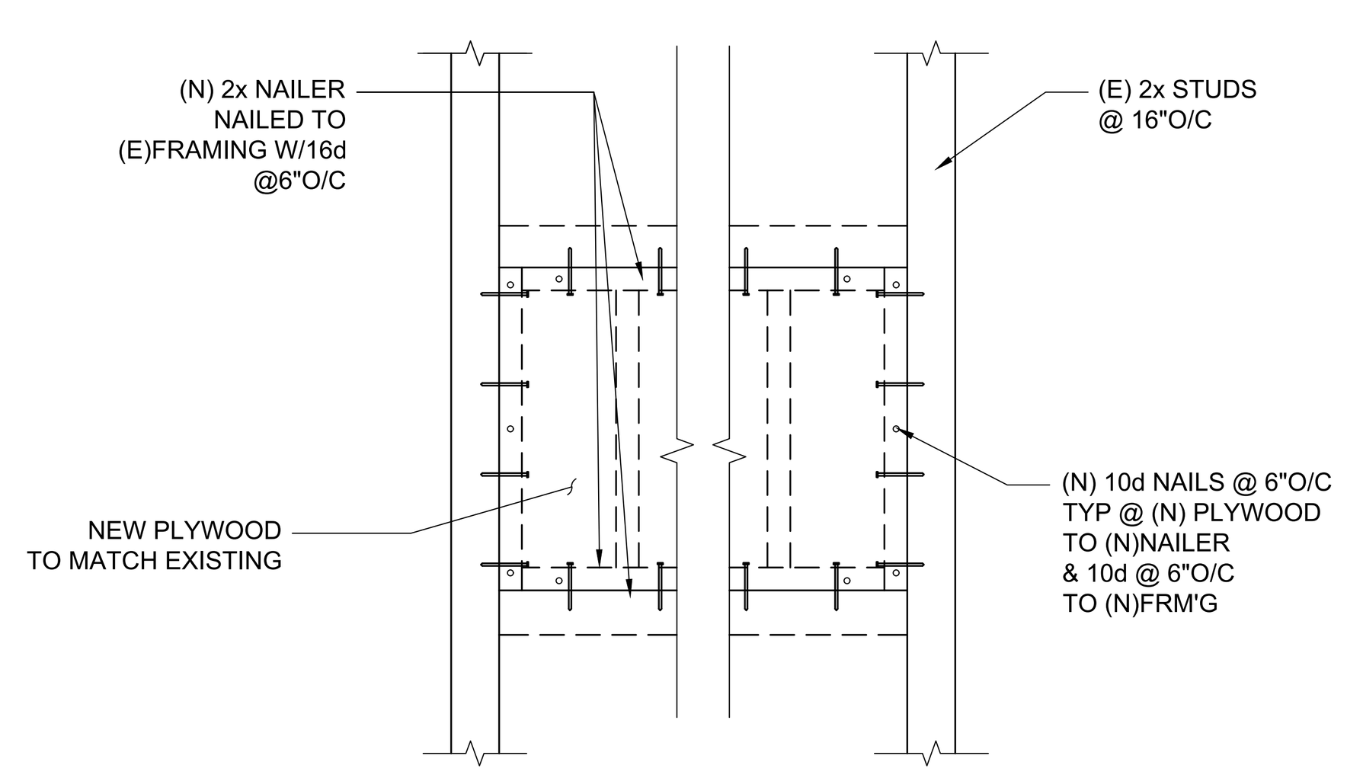
7 NON-BEARING WALL TO SAWN LUMBER DETAILS
NTS

9 DETAIL
NTS

10 DETAIL
NTS

11 DETAIL
NTS

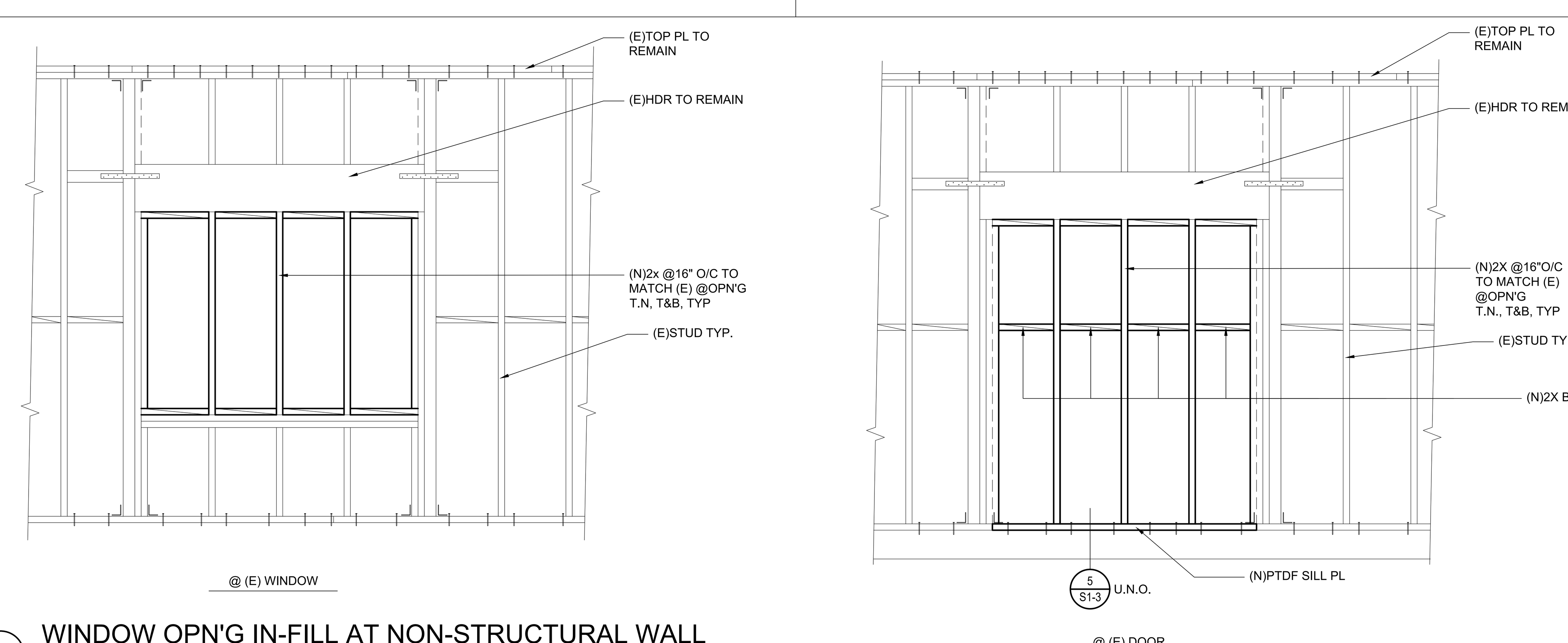
12 DETAIL
NTS



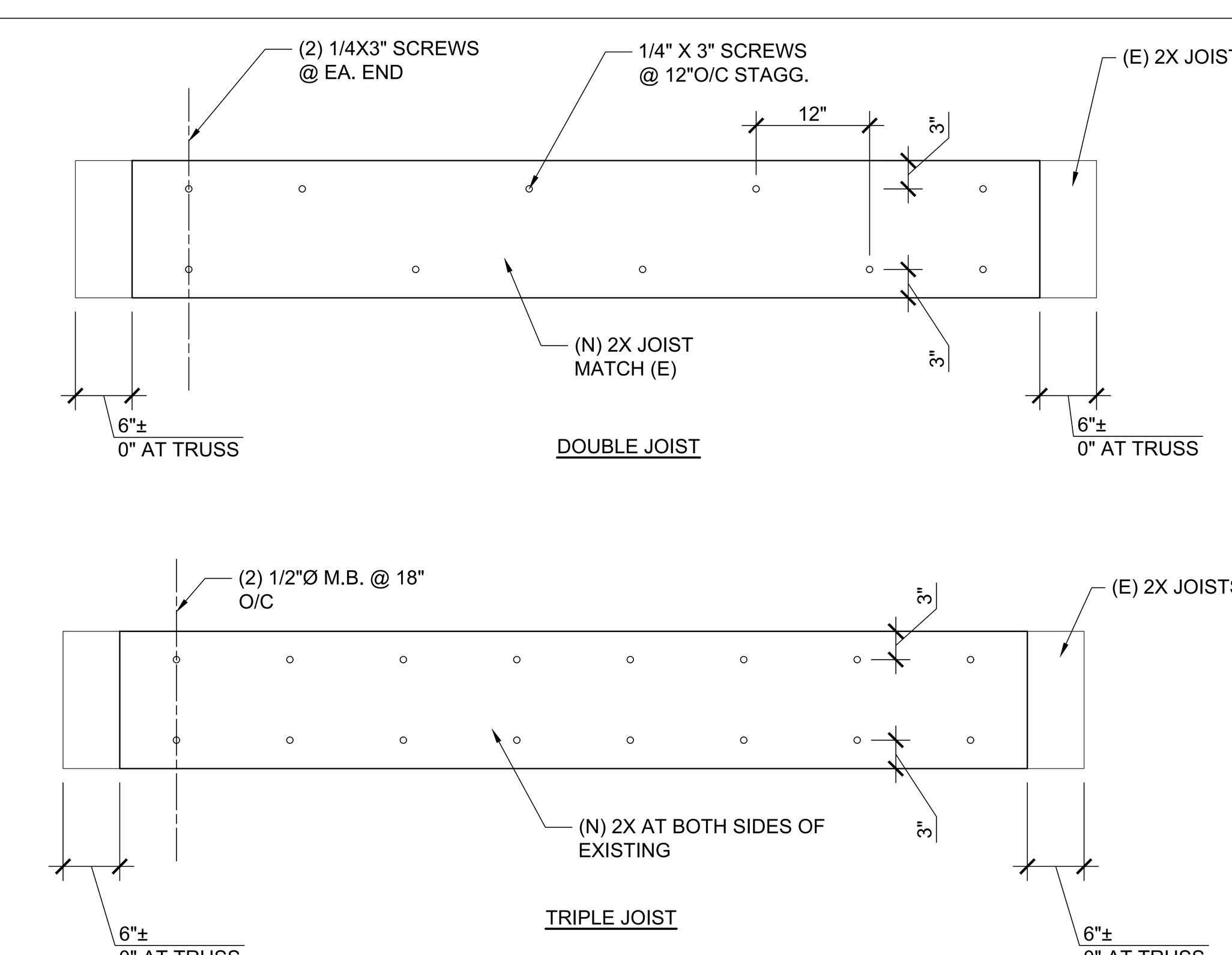
FOR FRAMING @ (E) WINDOW SEE 14 -

FOR FRAMING @ (E) DOOR SEE 15 -

13 PLYWOOD PATCH DETAIL (ELEVATION)
NTS



14 WINDOW OPN'G IN-FILL AT NON-STRUCTURAL WALL
NTS



16 MULTIPLE JOISTS
NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

VCA ENGINEERS INC. CIVIL • STRUCTURAL
2151 Michelson Dr. #240
Irvine, CA 92612
Tel. 949.679.0870
Fax. 949.679.9370
Project No.: D322

PROFESSIONAL ENGINEER No. S4029 Exp. 9/30/20 STRUCTURAL STATE OF CALIFORNIA

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

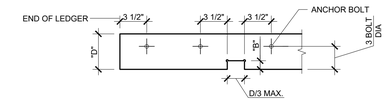
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221

owner

tBP project number : 20987.00
file name:
drawn by: checked by:
date: 8.29.19
Rev: date: description:

drawing title:
TYPICAL DETAILS

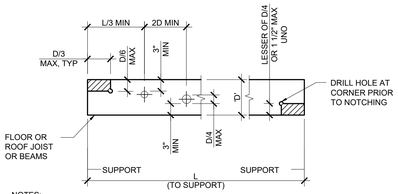
drawing no.:
S1-3
drawing of



WHERE DEPTH OF NOTCH "B" IS GREATER THAN D/5 PROVIDE ANCHOR BOLT AT EA SIDE OF NOTCH AS SHOWN.

NOTE:
DRILL HOLE IN CORNER PRIOR TO NOTCHING.

A LEDGER

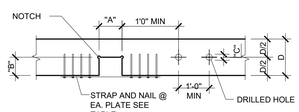


NOTES:
1. NOTCHES AND DRILLED HOLES AS SHOWN ABOVE MAY BE USED ONLY WITH THE APPROVAL OF THE STRUCTURAL ENGINEER ON RECORD.
2. DO NOT PLACE NOTCH BETWEEN SUPPORTS.

B PURLINS AND BEAMS

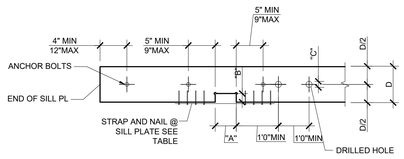
NOTE:
WHEN DIA OF HOLE EXCEEDS C (PER TABLE) IT SHALL BE TREATED AS A NOTCH.

C WOOD STUD



NOTE:
WHERE NOTCH IS GREATER THAN 1" PROVIDE 16 GA STRAP W/ WIDTH SAME AS DBL TOP PL.TOP PL OF SHEAR WALLS SHALL NOT BE NOTCHED UNLESS SPECIFICALLY DETAILED.

D DOUBLE TOP PLATE

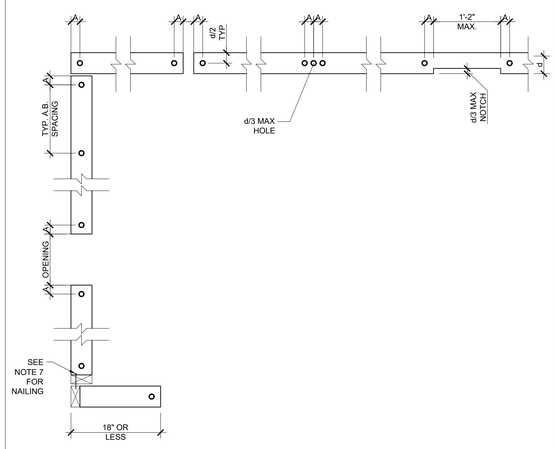


NOTE:
WHERE DEPTH OF NOTCH "B" IS GREATER THAN D/5 PROVIDE ANCHOR BOLT EA SIDE OF NOTCH AS PER END REQUIREMENT. NO MORE THAN ONE NOTCH IS PERMITTED IN EVERY 12' 0" @ SHEAR WALL.

E SILL PLATE

TABLE – MECHANICAL PENETRATIONS OF TOP AND SILL PLATES OF WOOD SHEAR WALLS				
TOP AND SILL PLATES	A (NOTCH WIDTH)	B (NOTCH DEPTH)	C (BORED HOLE Ø)	STRAP AND NAIL
2x4 DBL.TOP PLATE, 2x4 OR 3x4 SILL PLATE	3 1/2 " MAX	1 1/2 " MAX	1 1/4 " MAX	1 1/4 " x16 GA. 15" LONG STRAP W/ 6-10d COMMON NAILS EA. END @EA. PLATE
2x6 DBL.TOP PLATE, 2x6 OR 3x6 SILL PLATE	5 1/2 " MAX	2 " MAX	2 " MAX	1 1/4 " x16 GA. 21" LONG STRAP W/ 8-10d COMMON NAILS EA. END @EA. PLATE
2x8 DBL.TOP PLATE, 2x8 OR 3x8 SILL PLATE	5 1/2 " MAX	3 " MAX	3 " MAX	1 1/4 " x16 GA. 30" LONG STRAP W/ 11-10d COMMON NAILS EA. END @EA. PLATE

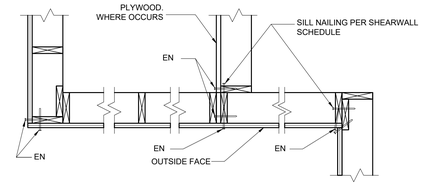
5 HOLES AND NOTCHING IN WOOD FRAMING
NTS



NOTES:

1. ALL SILLS SHALL BE P.T. W/ AWPB STAMP D.F. OF WIDTH EQUAL TO DEPTH OF STUDS.
2. SILL BOLTS FOR ALL SHEAR OR BEARING WALLS SHALL BE HEADED 3/4" DIA A307 W/ STD NUTS AND 3"X3"X1/4" PLATE WASHERS SPACED AT 4'-0" O/C MAX., UNLESS OTHERWISE NOTED. *SEE PLANS AND SHEAR WALL SCHEDULE FOR TIGHTER SPACING AND SPECIAL PLATE WASHER
3. POWDER DRIVEN PINS MAY BE USED IN LIEU OF ANCHOR BOLTS AT SOME NON-BEARING PARTITION WALLS. SEE PLAN WHERE OCCURS.
4. EACH SILL PIECE 18" OR LONGER SHALL HAVE 2 BOLTS MINIMUM. LOCATE BOLTS CLEAR OF STUDS AND POSTS.
5. "A" DIMENSION SHALL BE 4" MINIMUM AND 12" MAXIMUM.
6. NO UPSET THREADS ALLOWED ON ANCHOR BOLTS.
7. IF SILL PIECE CANNOT FIT MORE THAN 1 ANCHOR BOLT OR IS LESS THAN 18", CONNECT ADJOINING STUDS WITH 16d NAILS @ 4" O/C
8. RETIGHTEN ALL BOLTS PRIOR TO CLOSING IN.

7 ANCHOR BOLT AND SILL PLATE
NTS



INTERSECTING WALLS SEE NAILING SCHEDULE U.N.O.

4 STUDS ANGLES AND CORNERS (UNLESS OTHERWISE SHOWN)
NTS

8 DETAIL
NTS

9 DETAIL
NTS

10 DETAIL
NTS

11 DETAIL
NTS

12 DETAIL
NTS

13 DETAIL
NTS

14 DETAIL
NTS

15 DETAIL
NTS

16 DETAIL
NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

VCA ENGINEERS INC
CIVIL ★ STRUCTURAL
2151 Michelson Dr. #240
Irvine, CA 92612
Tel. 949.679.0870
Fax. 949.679.9370
Project No.: D322

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

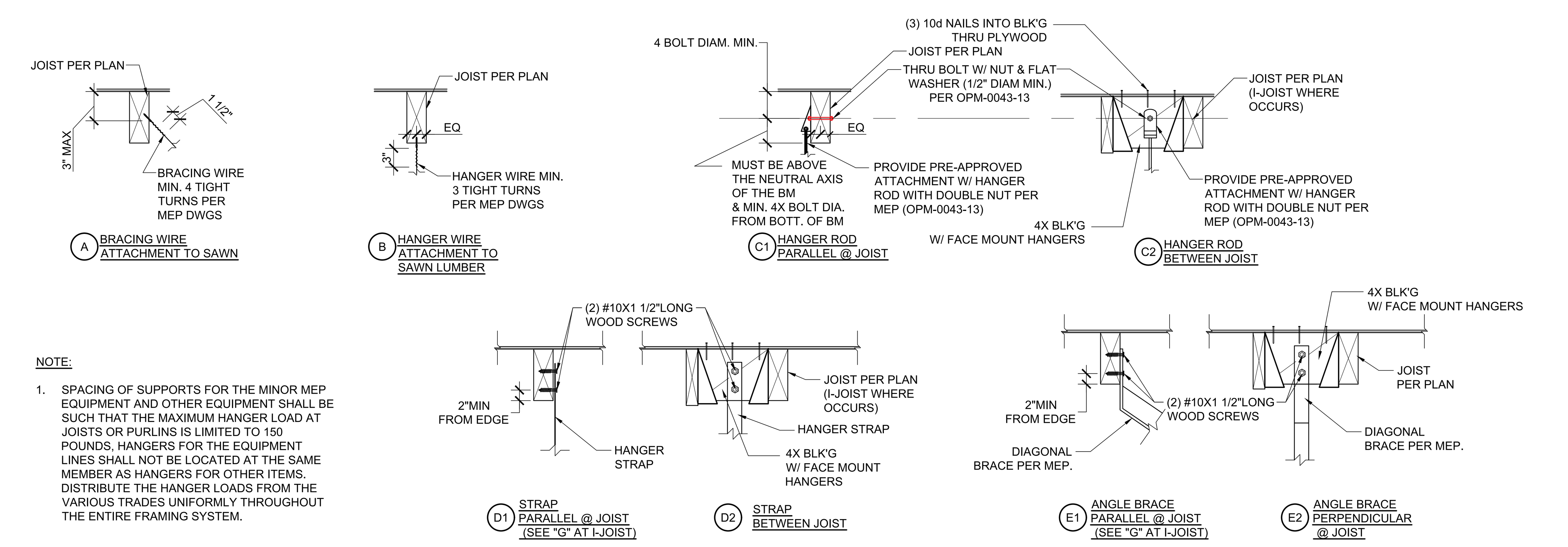
owner

tBP project number : 20987.00
file name:
drawn by: checked by:
date: 8.29.19

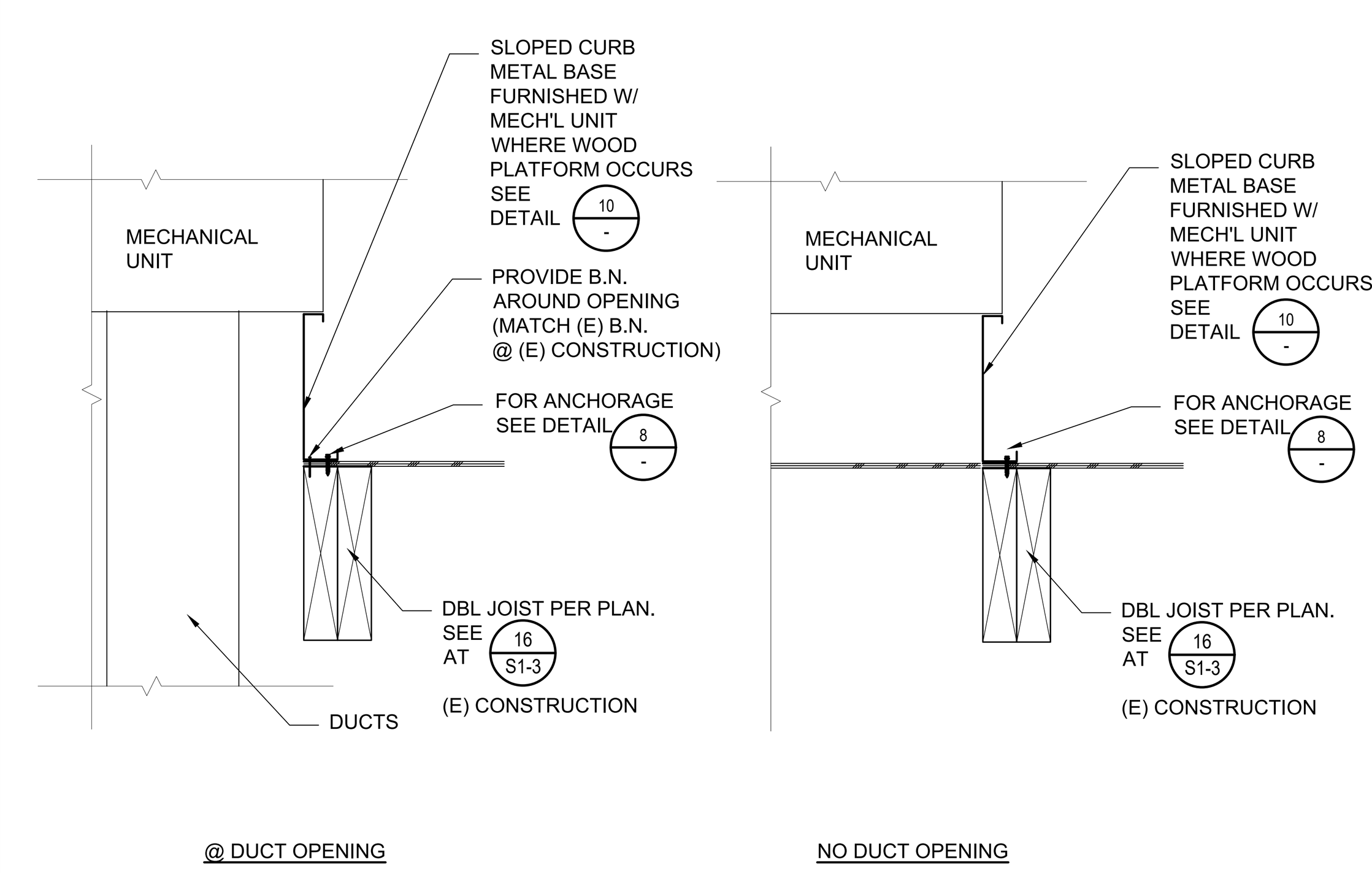
Rev:	date:	description:

drawing title:
TYPICAL DETAILS

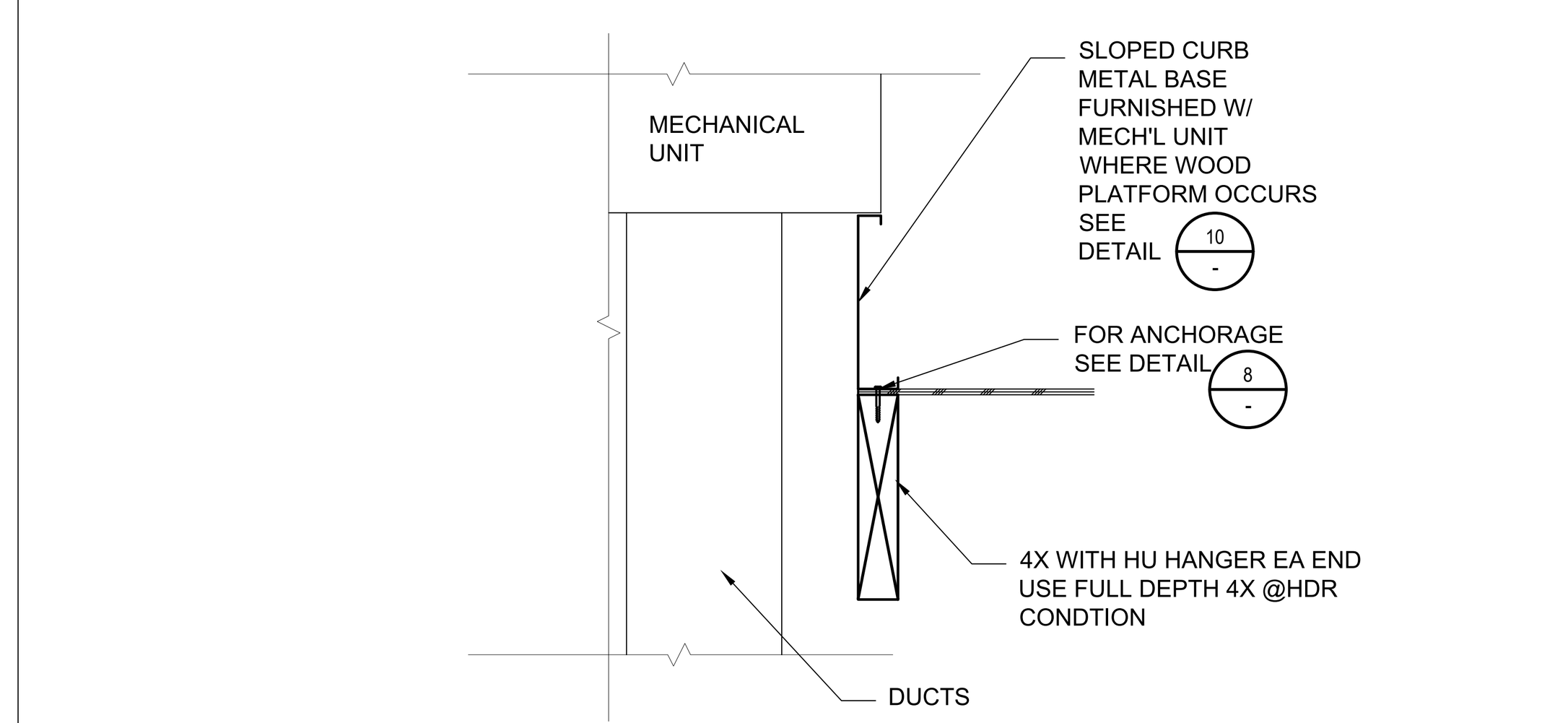
drawing no.:
S1-4
drawing of



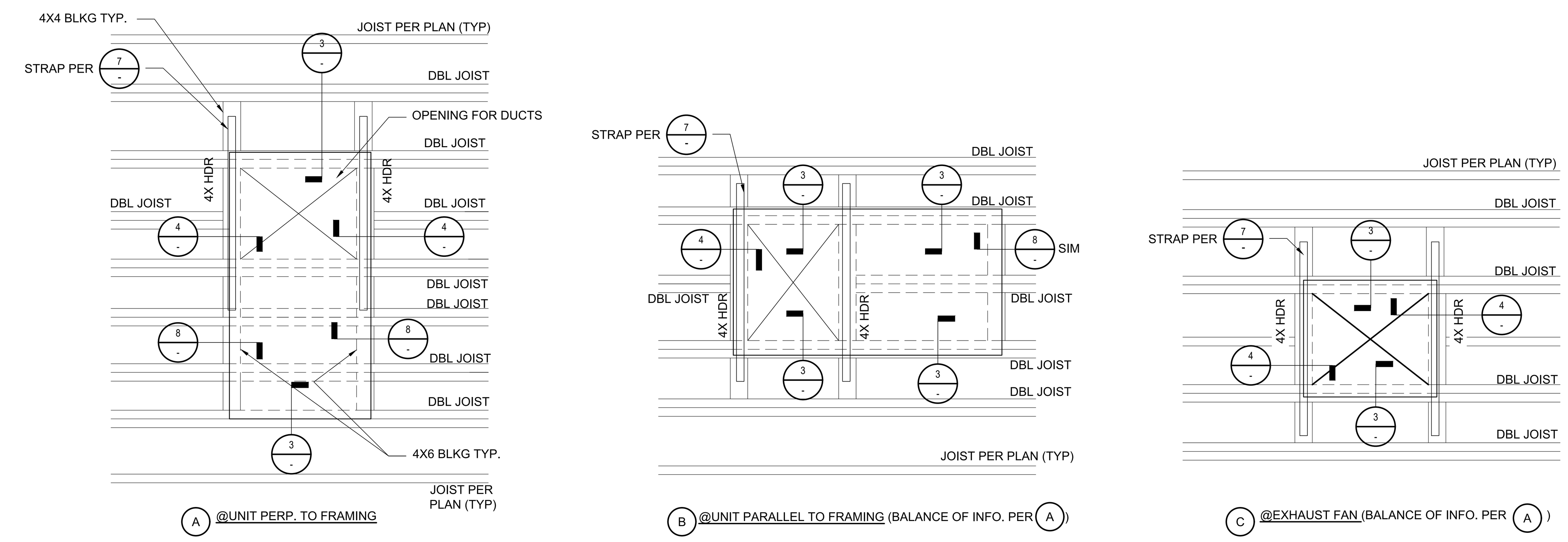
1 HANGER ROD SUPPORT AT JOIST
NTS



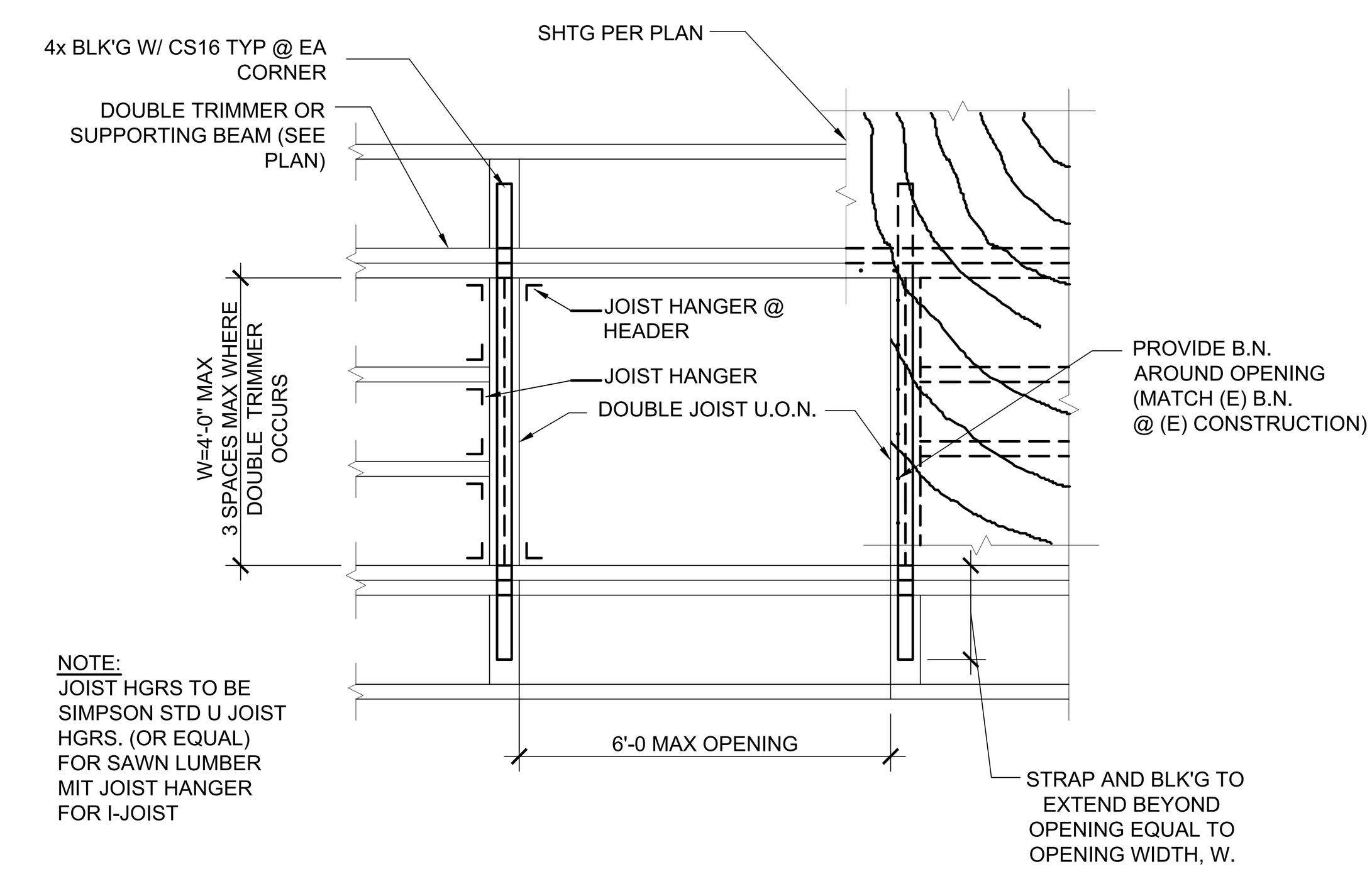
3 TYPICAL MECHANICAL UNIT @ ROOF (SAWN LUMBER)
NTS



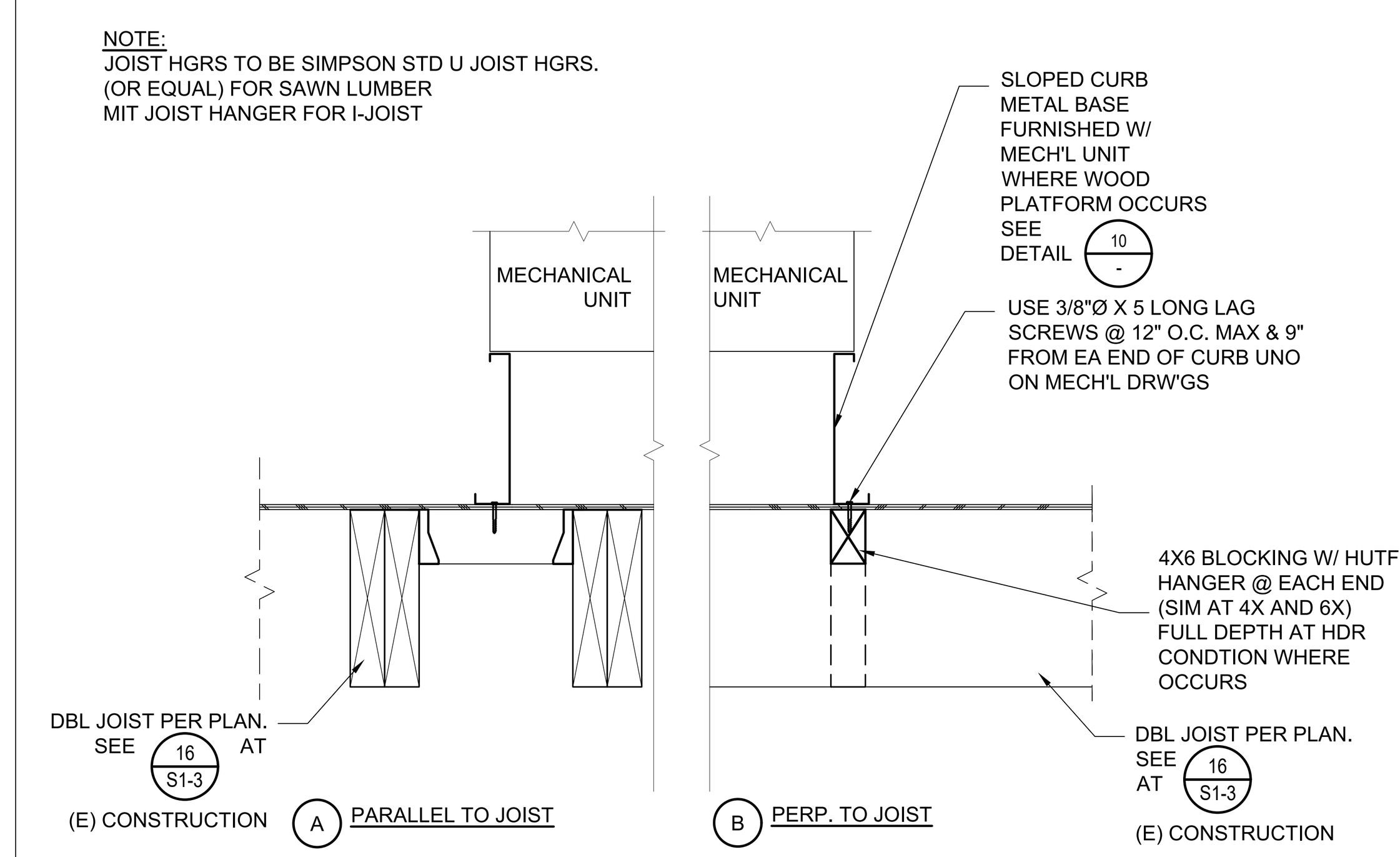
4 TYPICAL MECHANICAL UNIT @ ROOF (SAWN LUMBER)
NTS



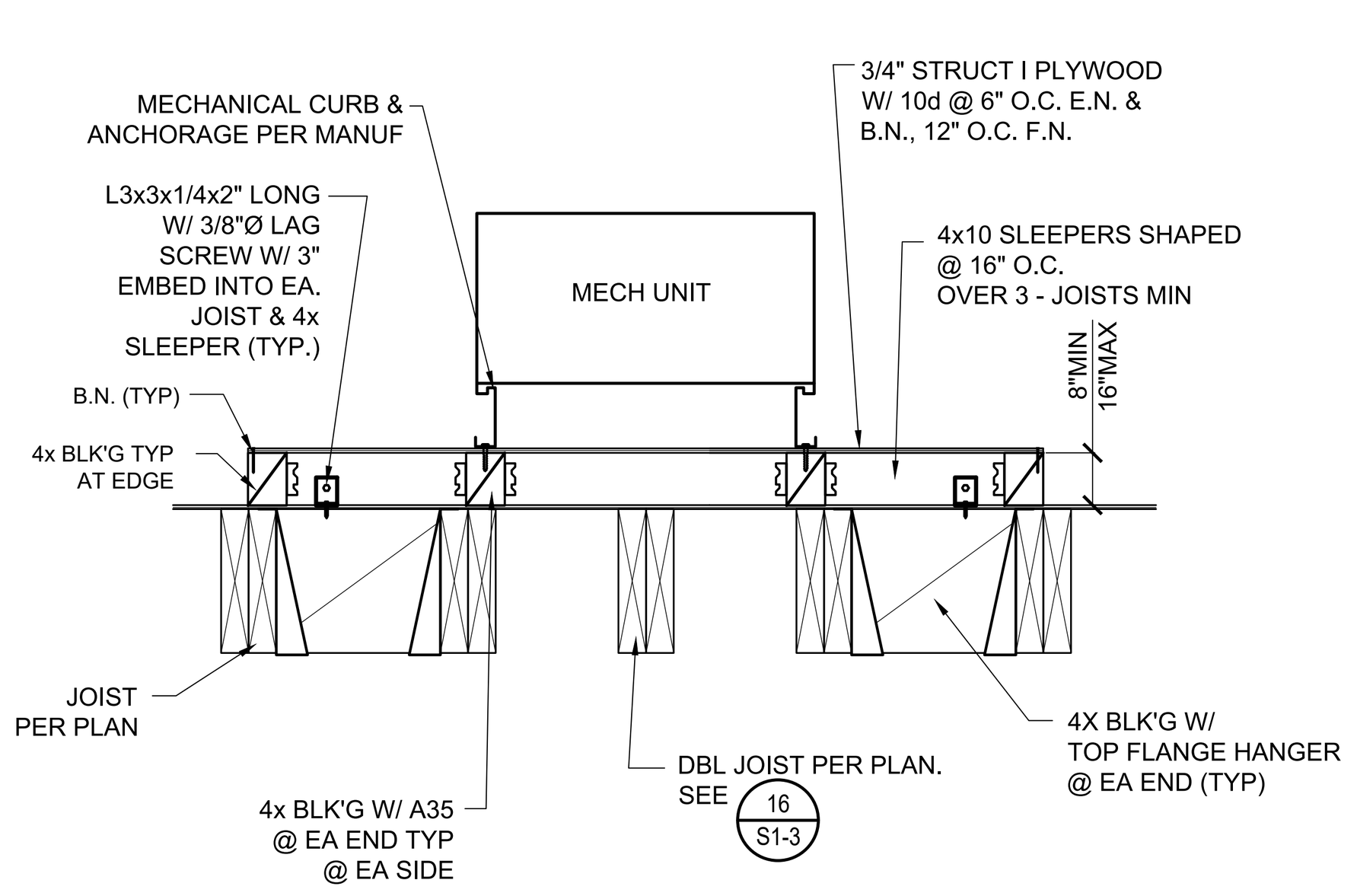
5 TYPICAL MECHANICAL UNIT @ ROOF
NTS



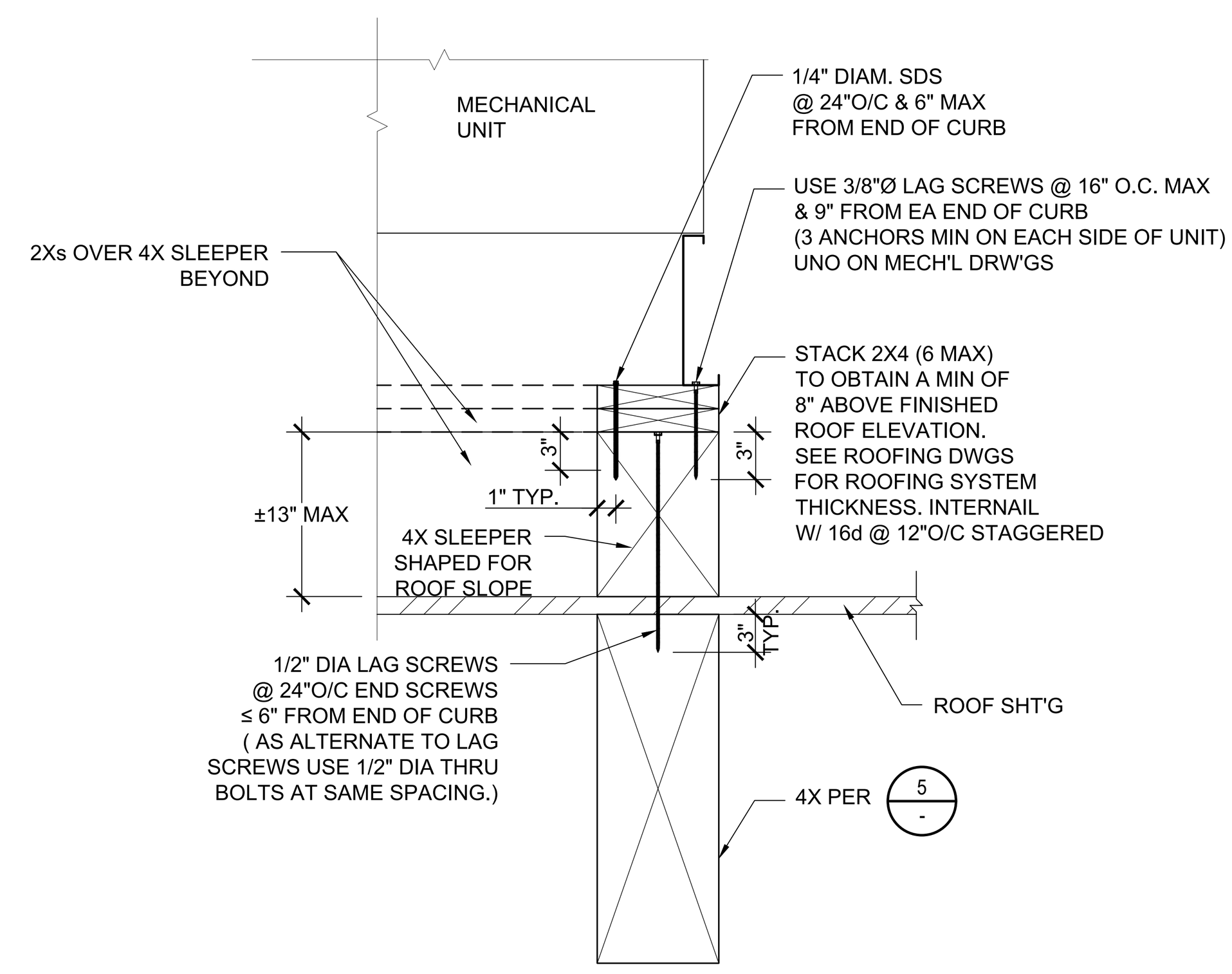
7 TYPICAL ROOF OPENING DETAIL
NTS



8 TYPICAL MECHANICAL UNIT @ ROOF (SAWN LUMBER)
NTS



9 CONDENSING UNIT PLATFORM (SAWN LUMBER)
NTS



10 DETAIL
NTS

11 DETAIL
NTS

12 DETAIL
NTS

13 DETAIL
NTS

14 DETAIL
NTS

15 DETAIL
NTS

16 DETAIL
NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

VCA ENGINEERS INC.
2151 Michelson Dr. #240
Irvine, CA 92612
Tel. 949.679.0870
Fax. 949.679.9370
Project No.: D322

No. S4029 Exp. 9/30/20

consultant

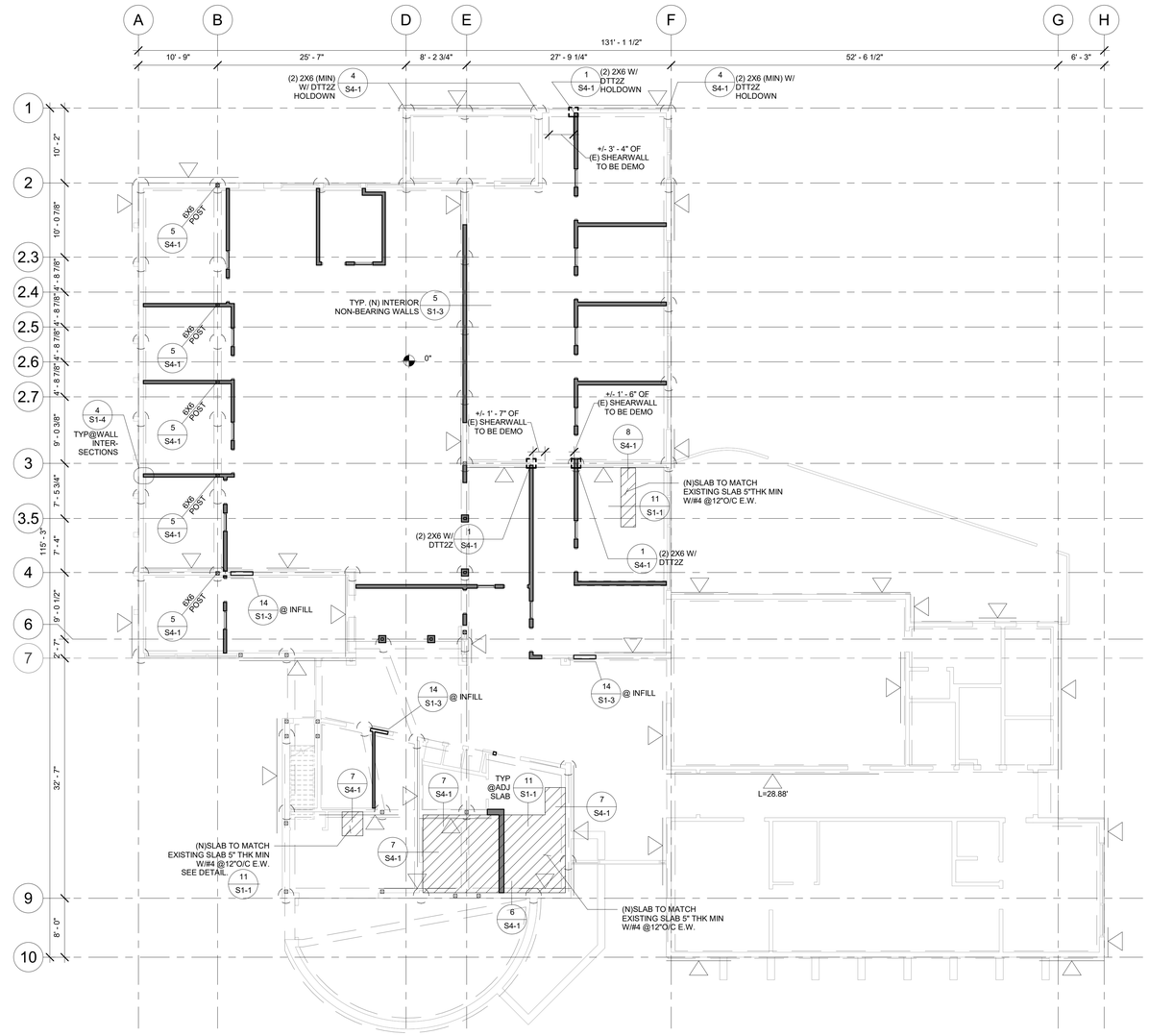
COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221

owner

tBP project number : 20987.00
file name:
drawn by: checked by:
date: 8.29.19
Rev: date: description:

drawing title:
TYPICAL DETAILS

drawing no.:
S1-5
drawing of



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

NORTH

SHEET NOTES:

1. FOR GENERAL NOTES, SEE S-0.00 SERIES.
2. FOR TYPICAL DETAILS, SEE S-1.00 SERIES.
3. ALL CONSTRUCTION IS (E) UNLESS NOTED OTHERWISE.
4. ▭ DENOTES (N) 2X4 OR 2X6 @ 16" O/C NON-BEARING WALL PER ARCHITECTURAL DWGS.
5. ▽ DENOTES (E) SHEARWALL
6. INFILL (E) OPENING AS SHOWN ON ARCHITECTURAL DRAWINGS PER 14/S1-3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

VCA ENGINEERS INC
CIVIL ● STRUCTURAL
2151 Michelson Dr. #240
Irvine, CA 92612
Tel. 949.679.0870
Fax. 949.679.9370
Project No.: D322

REGISTERED PROFESSIONAL ENGINEER
No. 34029
Exp. 9/30/20
STATE OF CALIFORNIA

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

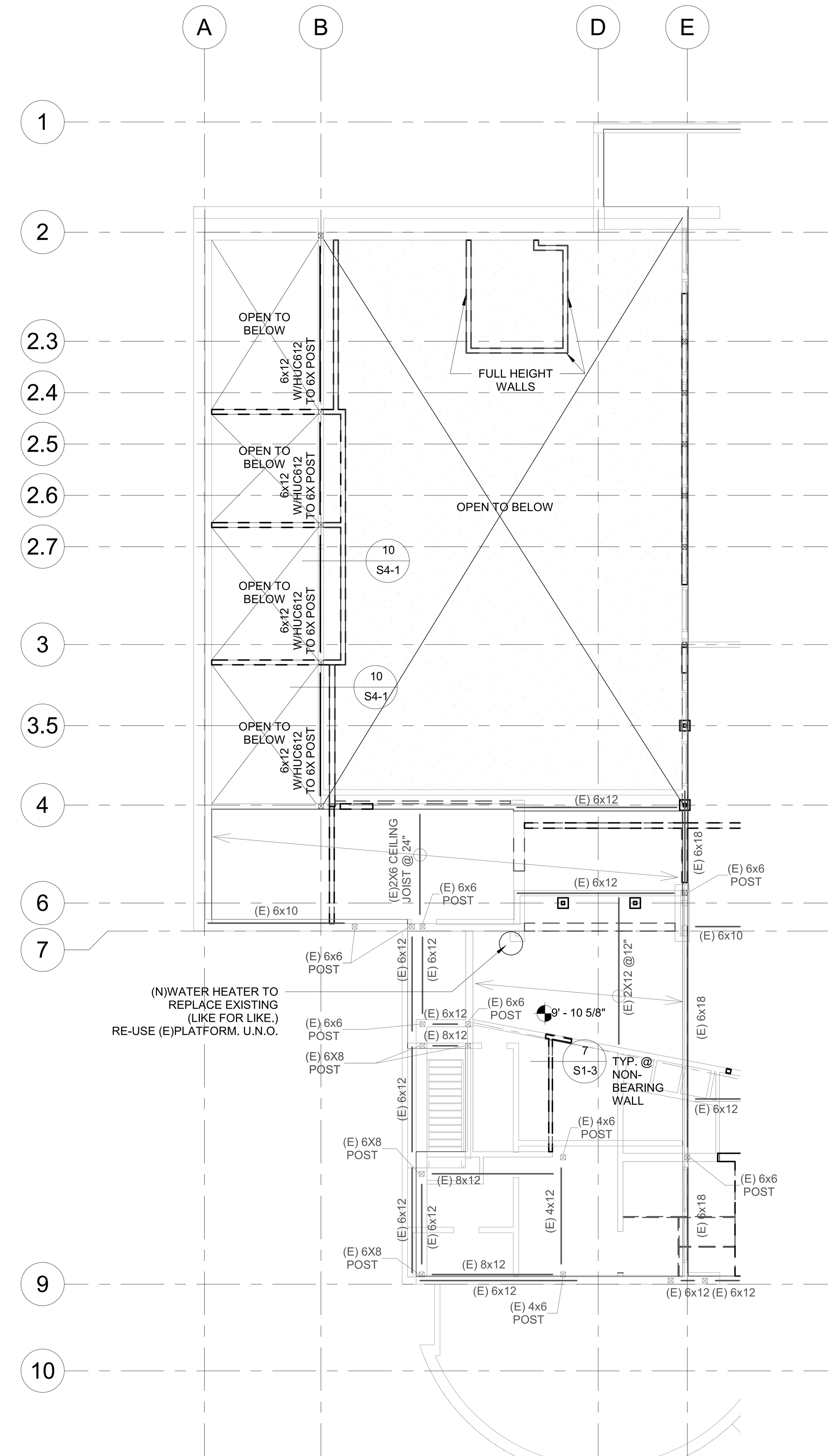
tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19

rev:	date:	description:

drawing title:
FOUNDATION PLAN

drawing no.:
S2-1
drawing of

2 ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"



1 2ND FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

SHEET NOTES:

1. FOR GENERAL NOTES, SEE S-0.00 SERIES.
2. FOR TYPICAL DETAILS, SEE S-1.00 SERIES.
3. ALL CONSTRUCTION IS (E) UNLESS NOTED OTHERWISE.
4. ALL EQUIPMENT THAT ARE (N) TO REPLACE (E) "LIKE FOR LIKE" SHALL WEIGHT EQUAL TO OR LESS THAN THE UNIT BEING REPLACED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP
architecture
planning
interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

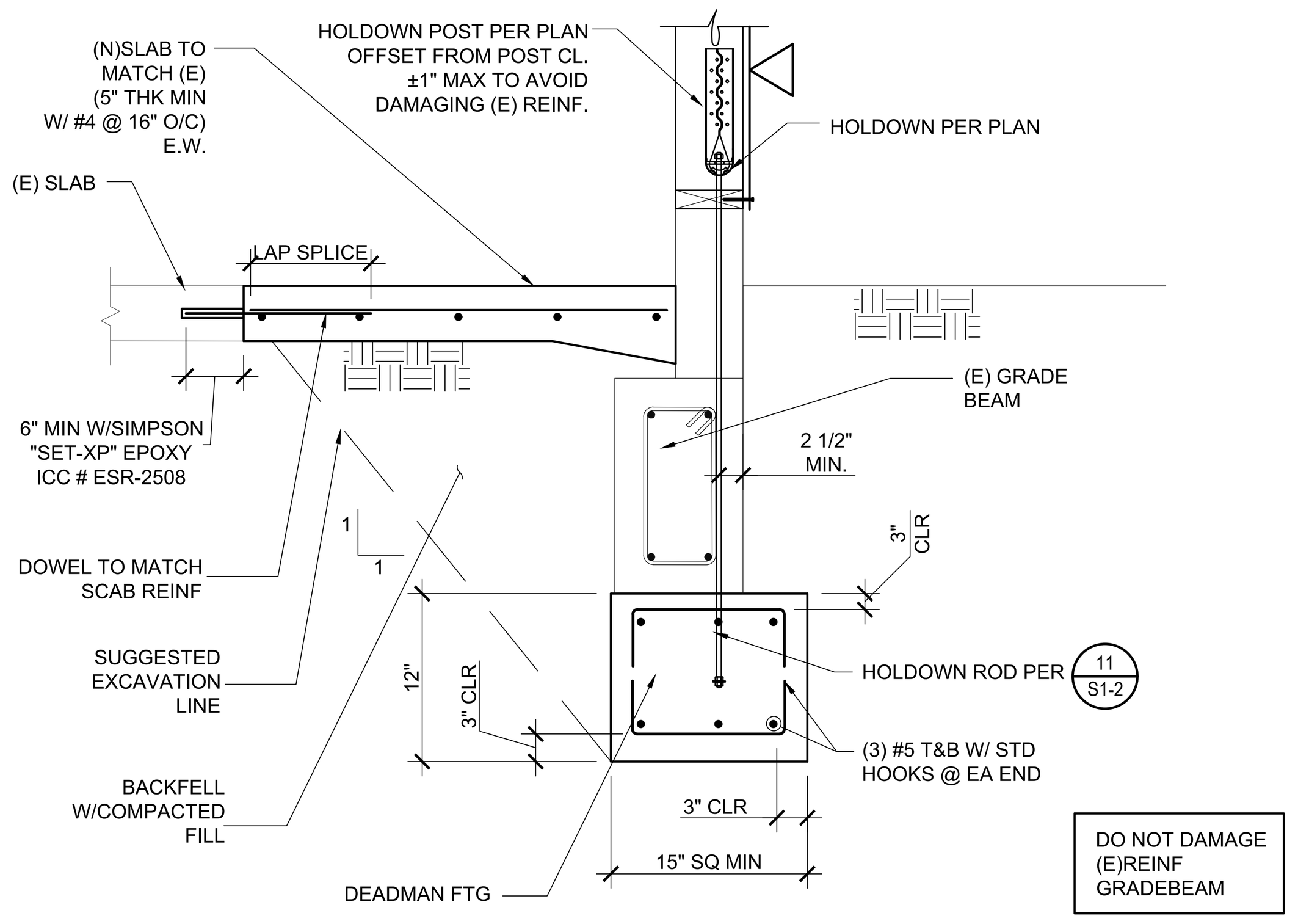
VCA ENGINEERS INC
CIVIL • STRUCTURAL
2151 Michelson Dr. #240
Irvine, CA 92612
Tel. 949.679.0870
Fax. 949.679.9370
Project No.: D322
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221
owner

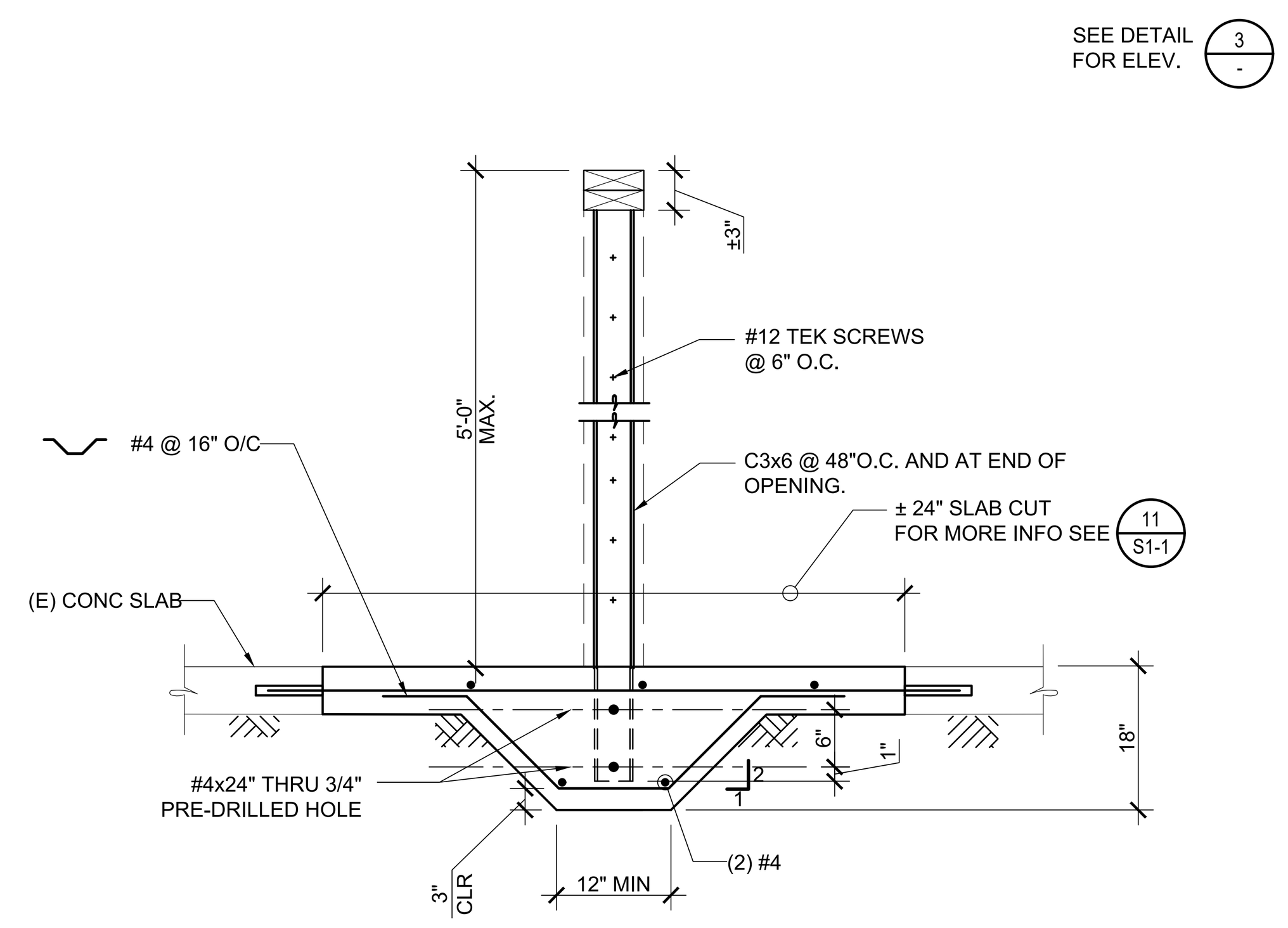
tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19
rev: date: description:

drawing title:
FRAMING PLAN

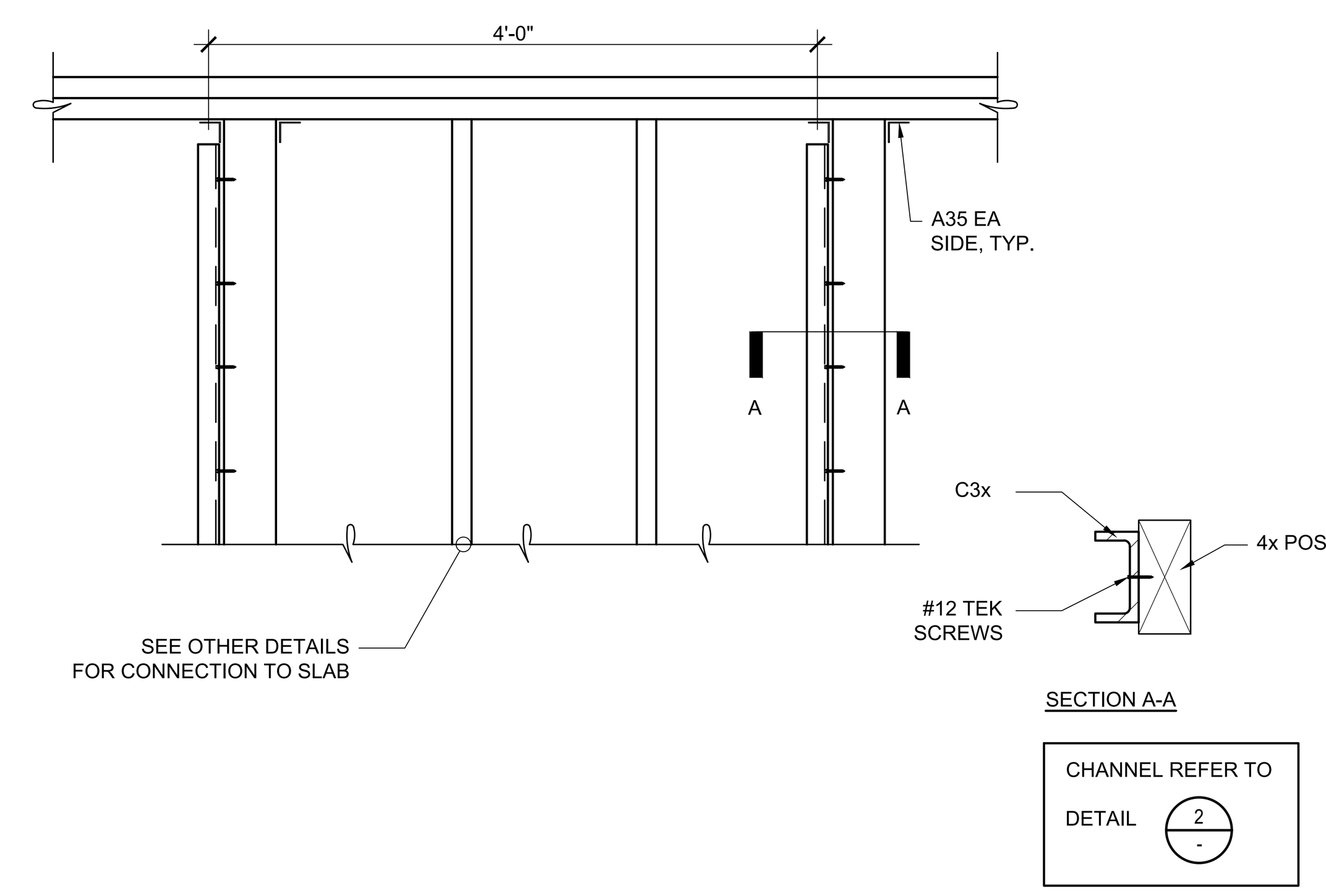
drawing no.:
S3-1
drawing of



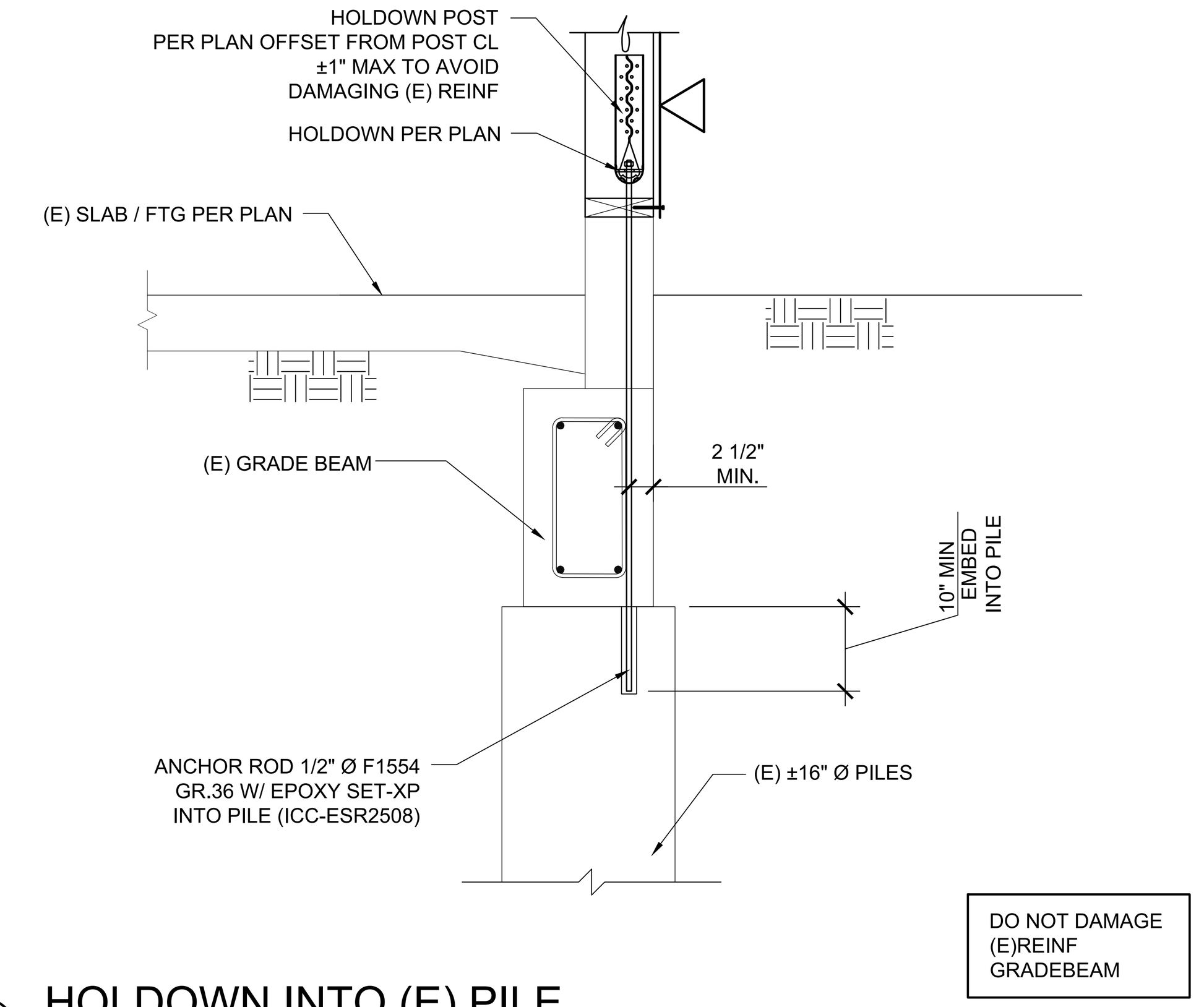
1 HOLDOWN INTO (N) DEADMAN FTG
NTS



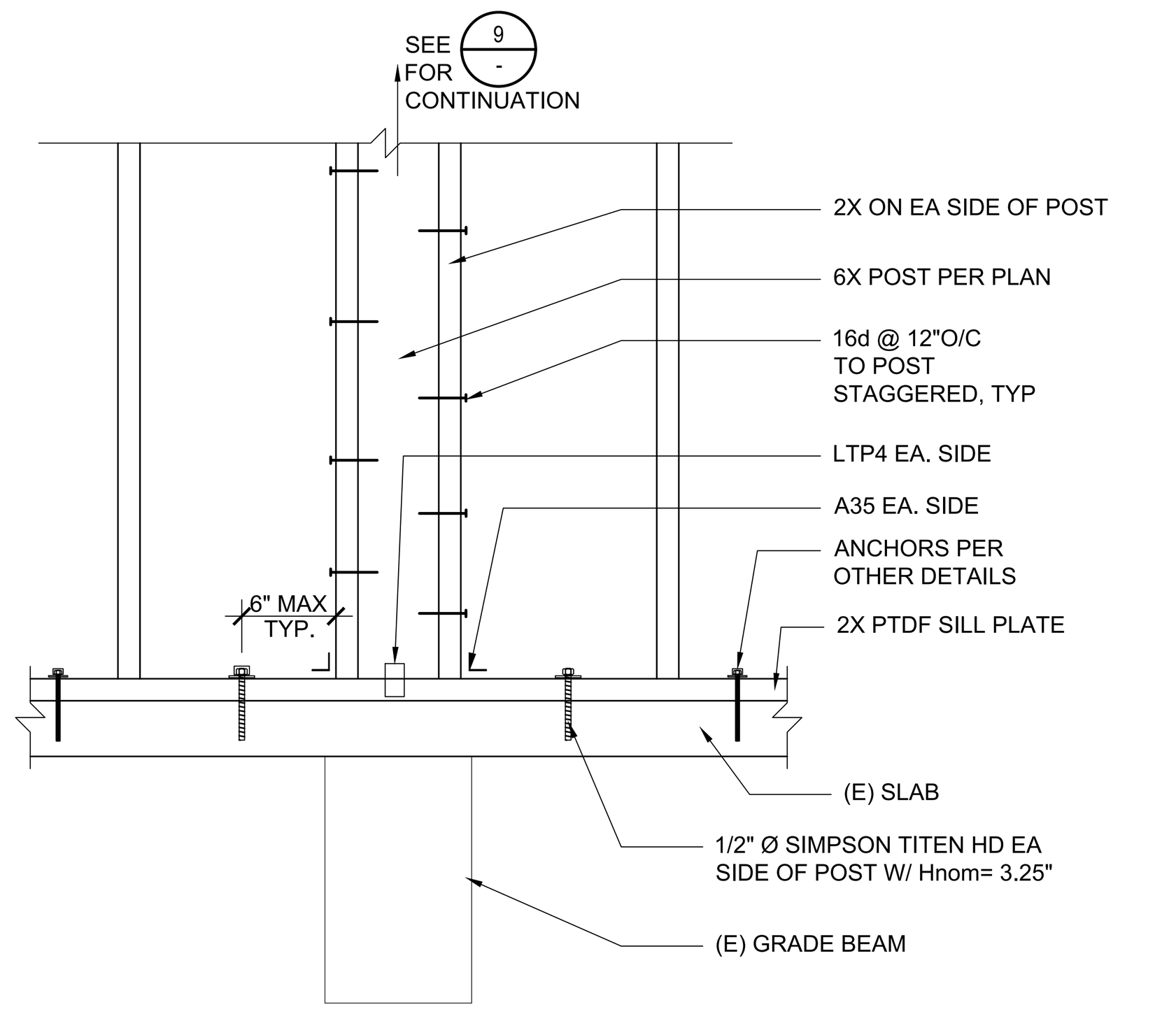
2 PARTIAL HEIGHT WALL @ BLDG INTERIOR
NTS



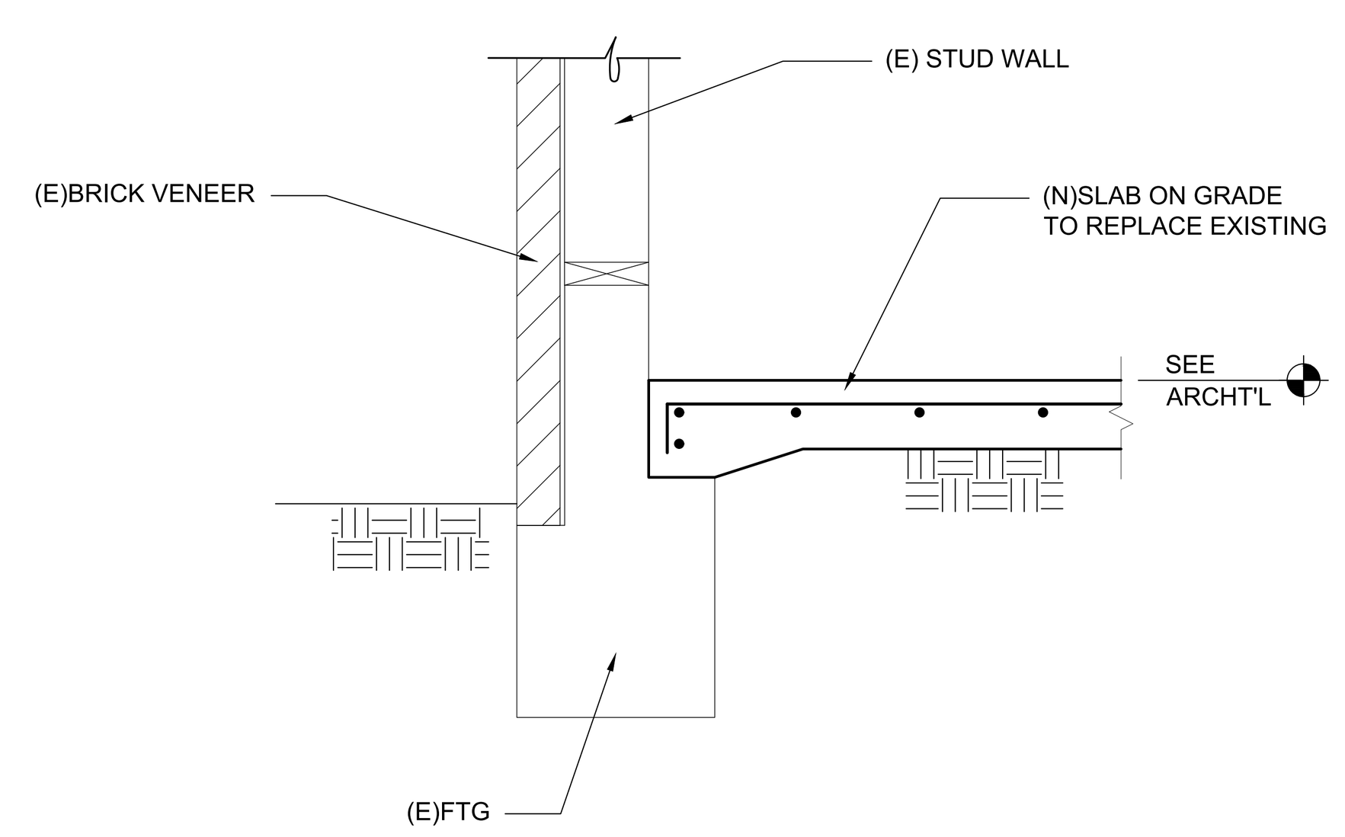
3 PARTIAL HEIGHT WALL @ ELEVATION
NTS



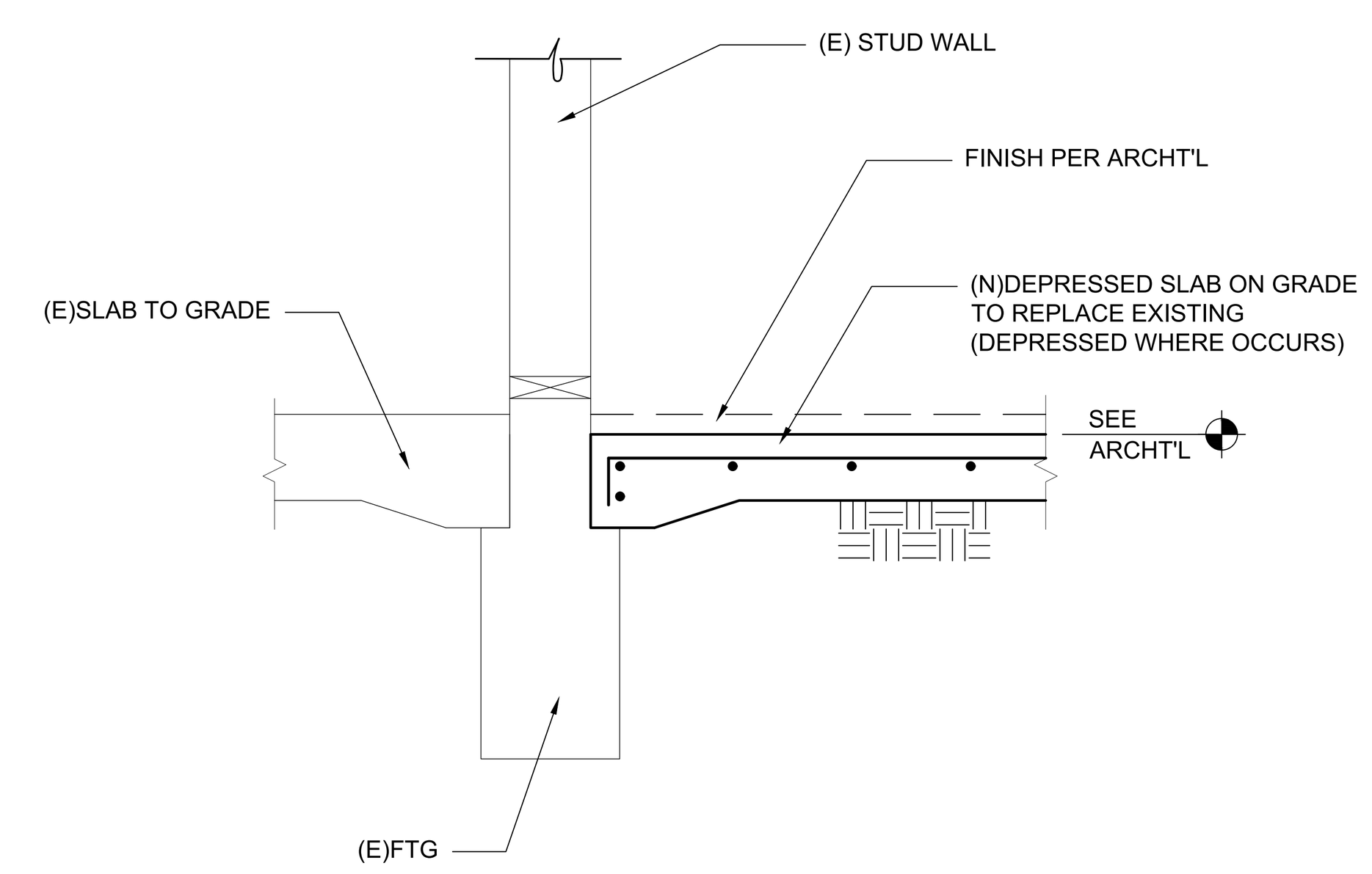
4 HOLDOWN INTO (E) PILE
NTS



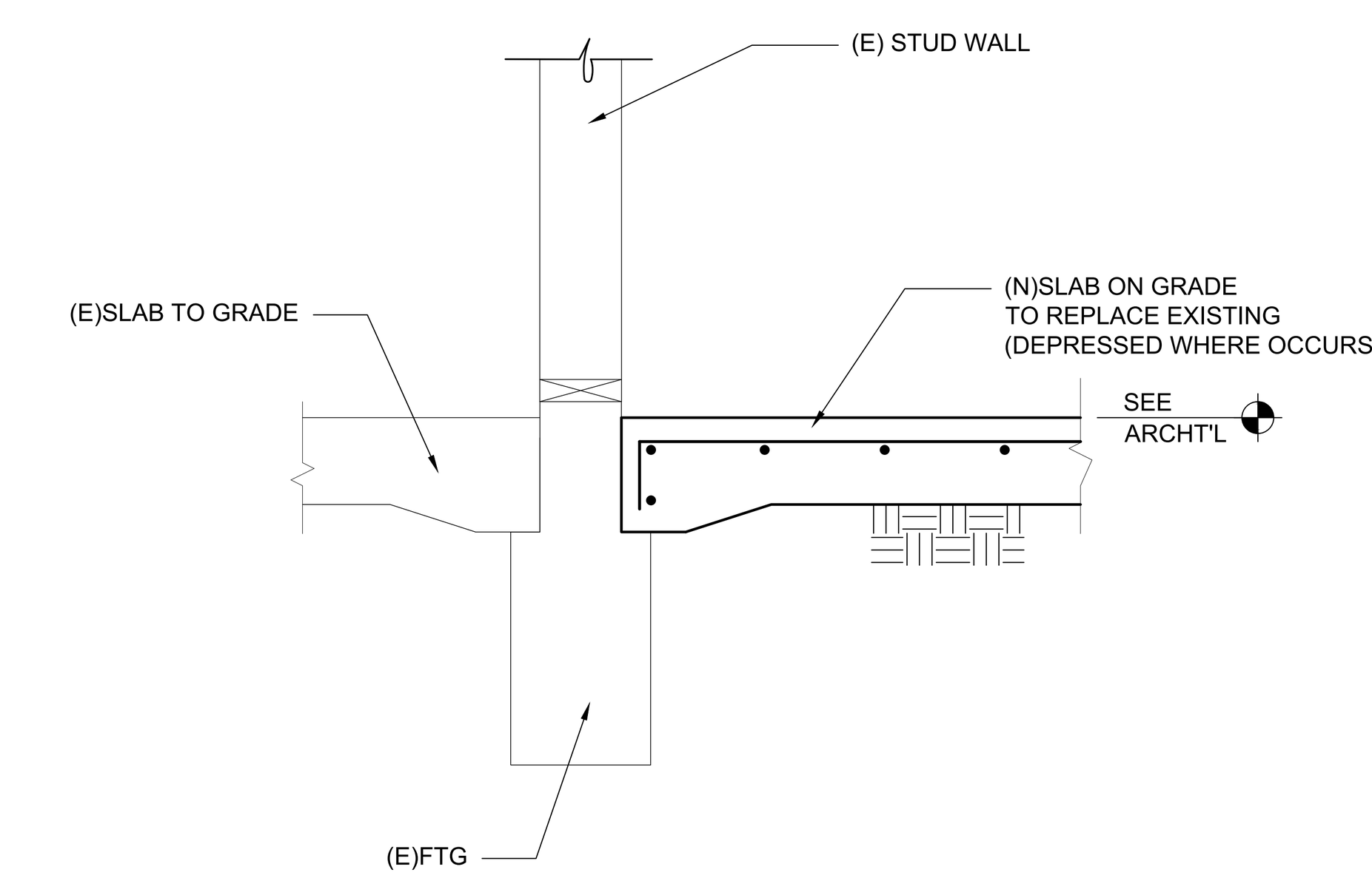
5 DETAIL
NTS



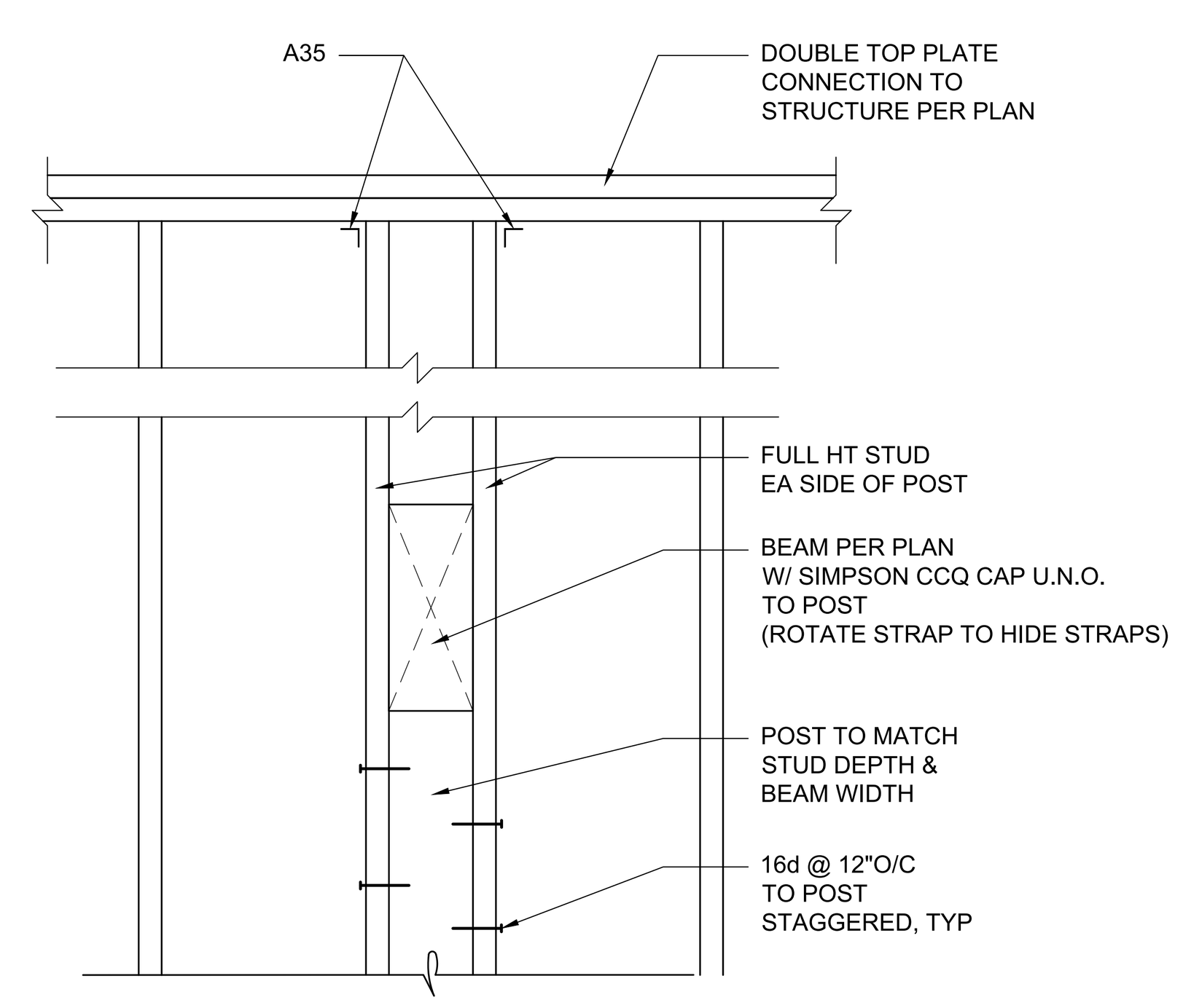
6 DETAIL
NTS



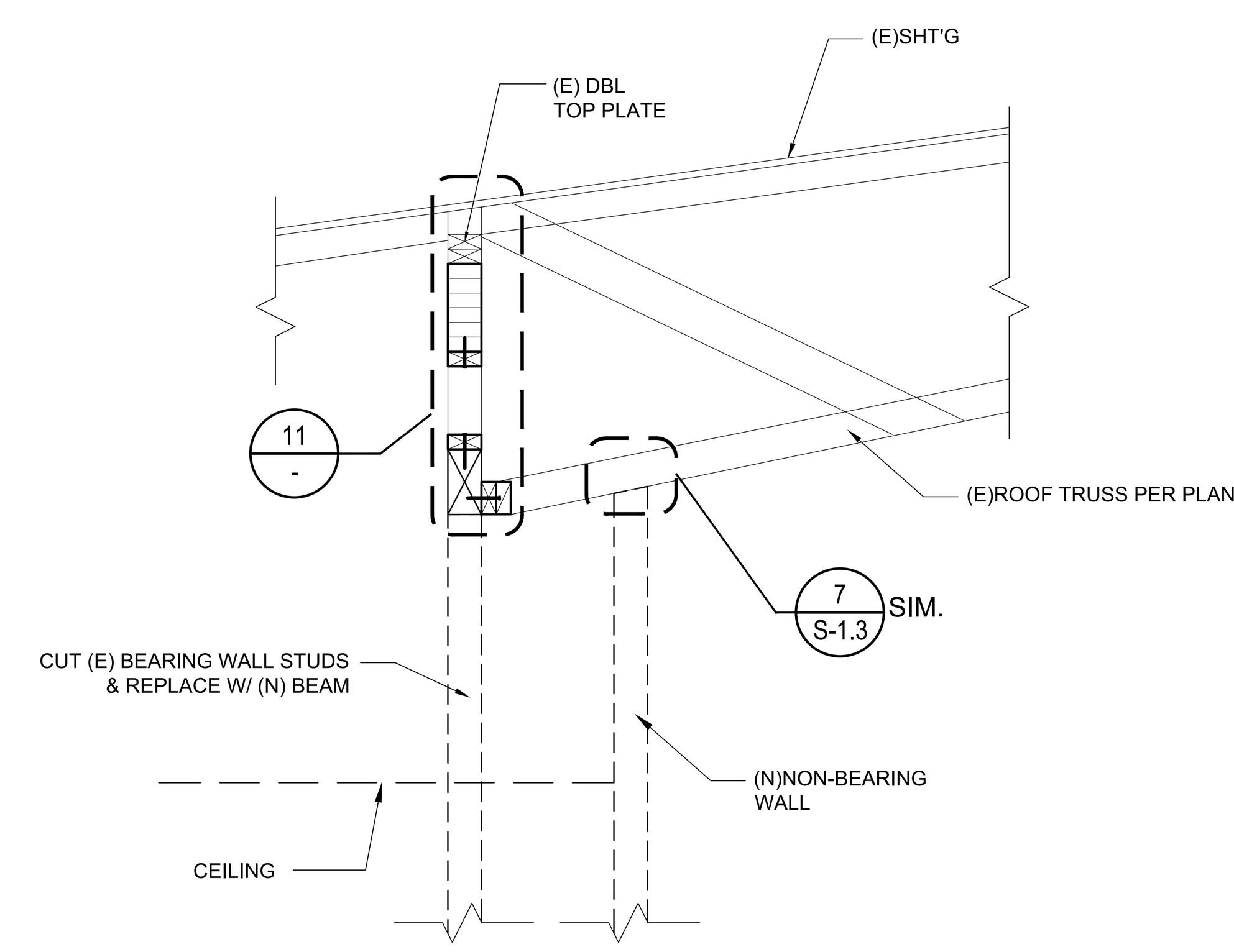
7 DETAIL
NTS



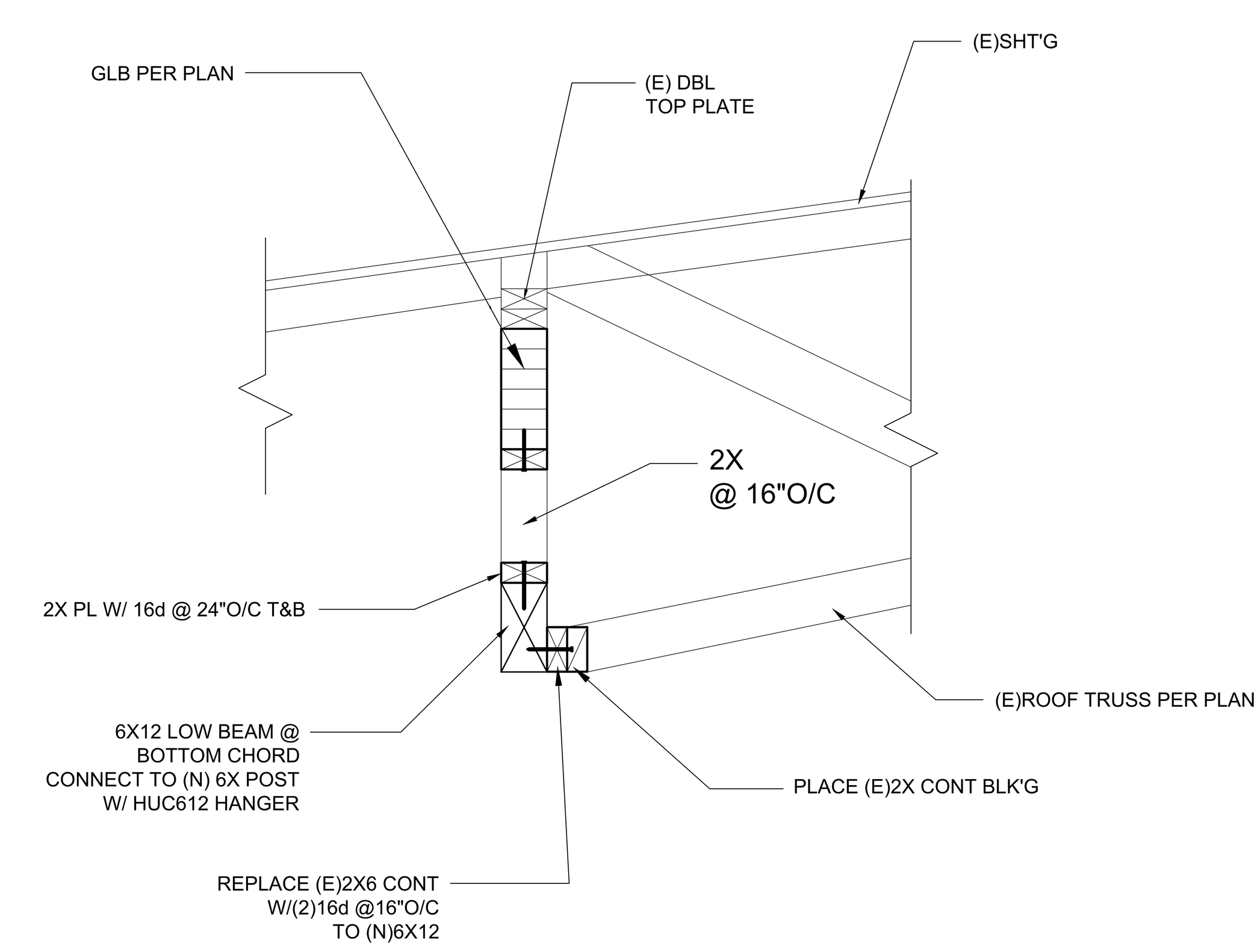
8 DETAIL
NTS



9 BEAM SUPPORT INSIDE WALL
NTS



10 DETAIL
NTS



11 DETAIL
NTS

12 DETAIL
NTS

13 DETAIL
NTS

14 DETAIL
NTS

15 DETAIL
NTS

16 DETAIL
NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

VCA ENGINEERS INC
CIVIL • STRUCTURAL
2151 Michelson Dr. #240
Irvine, CA 92612
Tel. 949.679.0870
Fax. 949.679.9370
Project No.: D322

S4029 Exp. 9/30/20 STATE OF CALIFORNIA

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00
file name:
drawn by: checked by:
date: 8.29.19
Rev: date: description:

drawing title:
FOUNDATION DETAILS
drawing no.:
S4-1
drawing of

GENERAL NOTES

1. ALL PRODUCTS AND EXECUTION OF WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON PLANS.

2. IN THE EVENT OF A DISCREPANCY BETWEEN CONTRACT DRAWINGS AND SPECIFICATIONS, THE MOST STRINGENT SHALL GOVERN.

3. ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF GOVERNING FIRE, BUILDING, MECHANICAL, PLUMBING, AND ELECTRICAL CODES.

4. PRIOR TO SUBMISSION OF ANY BID, THE CONTRACTOR SHALL PERFORM A THOROUGH FIELD SURVEY OF THE EXISTING SITE CONDITIONS AND FEATURES. ANY SITE CONDITIONS WHICH MAY CAUSE SIGNIFICANT DEVIATION FROM THE DESIGN DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT/ENGINEER OF RECORD FOR CLARIFICATION PRIOR TO SUBMISSION OF THE CONTRACTOR'S BID. VERIFY DIMENSIONS OF ALL PRODUCTS INCLUDING OWNER FURNISHED EQUIPMENT TO ENSURE PROPER COORDINATION WITH CONSTRUCTION. CONTRACTOR SHALL BEAR ALL COSTS FOR RELOCATION OF EQUIPMENT, PIPE, DUCTS, ETC. FROM FAILURE TO ADVISE OF CONFLICT IN WRITING PRIOR TO SUBMISSION OF ANY BID, AND/OR FROM FAILURE TO PROPERLY COORDINATE INSTALLATIONS OF SYSTEMS.

5. IF ANY PART OF THIS CONTRACTOR'S WORK DEPENDS UPON THE WORK OF A SEPARATE CONTRACTOR, THIS CONTRACTOR SHALL INSPECT SUCH OTHER WORK AND PROMPTLY REPORT IN WRITING TO THE OWNER ANY DEFECTS IN SUCH OTHER WORK THAT RENDERS IT UNSUITABLE TO PERFORM THE WORK OF THIS CONTRACTOR. FAILURE OF THIS CONTRACTOR TO SO INSPECT AND REPORT SHALL CONSTITUTE AN ACCEPTANCE OF THE OTHER CONTRACTOR'S WORK, EXCEPT AS TO DEFECTS WHICH MAY DEVELOP IN OTHER CONTRACTOR'S WORK AFTER EXECUTION OF THIS CONTRACTOR'S WORK.

6. MECHANICAL CONTRACTOR SHALL BE COGNIZANT WITH BUILDING STRUCTURE AND CEILING SPACE ALLOWED FOR INSTALLATION OF EQUIPMENT PRIOR TO BID, INCLUDE IN THE BID ADDITIONAL OFFSETS OF DUCTS AND PIPING THAT ARE NOT SHOWN ON DRAWING.

7. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ARCHITECT AND GC AND PROVIDING ALL CEILING ACCESS. PATCHING AND REPAIR REQUIRED IN THE IMMEDIATE AREA OF THE WORK AND ANY ACCESS OUTSIDE THE IMMEDIATE AREA OF THE WORK REQUIRED TO PROVIDE COMPLETE ACCESSIBLE AND PROPERLY FUNCTIONING SYSTEMS.

8. DUCT PENETRATIONS THROUGH FIRE OR SMOKE BARRIERS SHALL BE PROVIDED WITH PROPER CODE REQUIRED PROTECTION. ADVISE OWNER'S REPRESENTATIVE IN WRITING IN EVENT OF DISCREPANCIES BETWEEN CONTRACT DOCUMENTS PRIOR TO BID. CONTRACTOR SHALL BEAR ALL COSTS FOR ADDITIONAL DAMPERS FROM FAILURE TO ADVISE DISCREPANCIES PRIOR TO BID.

9. ALL DUCT DIMENSIONS ARE SHOWN IN INCHES. ALL DIMENSIONS ARE CLEAR INSIDE SIZES. FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED.

10. ALL DUCTWORK AND PIPING SHOWN ON PLANS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION. EXACT LOCATION SHALL BE COORDINATED BY THE CONTRACTOR AND DIMENSIONED ON THE SHOP DRAWINGS.

11. CERTAIN VERTICAL AND HORIZONTAL DIMENSIONS ARE SHOWN IN DUCTS TO INDICATE THEIR GENERAL POSITION IN RELATIONSHIP TO THE SYSTEMS WITHIN THE SPACE AVAILABLE FOR SYSTEM INSTALLATION, PROVIDE ADDITIONAL OFFSETS SIMILAR TO THOSE SHOWN AS REQUIRED, AND COORDINATE WITH INSTALLATION REQUIREMENTS OF OTHER SYSTEMS AT NO ADDITIONAL COST TO OWNER.

12. IN LIEU OF RECTANGULAR DUCT AS SHOWN ON PLAN, CONTRACTOR HAS OPTION TO USE ROUND OR OVAL DUCTWORK WHERE SPACE PERMITS, SIZING SHALL BE BASED ON EQUAL FRICTION METHOD. FOR DUCTWORK ABOVE EXPOSED CEILINGS, REVISIONS SHALL BE APPROVED BY THE ARCHITECT.

13. COORDINATE REGISTER, DIFFUSER AND GRILLE LOCATIONS WITH CEILING SUPPORT MEMBERS AND LIGHTING FIXTURES. FINISHED CEILING CONFIGURATION SHALL FORM A FULLY INTEGRATED INSTALLATION IN EACH FINISHED SPACE; REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR REQUIRED COORDINATED LAYOUT.

14. INSTALL ALL PIPING AND DUCTWORK TO AVOID ARCHITECTURAL, FRAMING, STRUCTURAL MEMBERS. AND OTHER OBSTRUCTIONS. COORDINATE PIPING AND DUCTWORK LOCATION WITH ALL APPLICABLE CONTRACT DRAWINGS AND INSTALLATION WORK OF OTHER TRADES PRIOR TO PLACING SLEEVES IN FLOORS OR WALLS.

15. INSTALL ALL DUCTWORK CONCEALED IN FURRED WALL AND CEILING UNLESS OTHERWISE NOTED.

16. TOTAL AIR STATIC PRESSURE NOTED IN SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC. IT DOES NOT INCLUDE INTERNAL CASING LOSS OR SYSTEM EFFECT UNLESS OTHERWISE NOTED. TOTAL AIR STATIC PRESSURE DOES NOT INCLUDE CONTRACTOR'S DEVIATIONS FROM CONTRACT DOCUMENT.

17. SCHEDULE ALL WORK WITH THE FACILITY INCLUDING CONSTRUCTION ACCESS AND STORAGE. THE CONSTRUCTION SCHEDULE PROCEDURE SHALL BE APPROVED BY THE FACILITY PRIOR TO THE START OF CONSTRUCTION.

18. CONTRACTOR SHALL PROVIDE DUST COVERS AS REQUIRED TO CONTAIN DUST AND DEBRIS WITHIN CONSTRUCTION AREA. BROOM CLEAN ALL AREAS EACH DAY. KEEP DIRT AND DUST TO A MINIMUM.

19. WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC AND OCCUPANTS OF THE FACILITY.

20. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. GUARD ALL HAZARDS IN ACCORDANCE WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA AND OSHA.

21. SECURELY FASTEN ALL PIPING AND DUCTWORK WITHIN STRUCTURES TO THE BUILDING CONSTRUCTION BY MEANS OF HANGERS, SUPPORTS, GUIDE ANCHORS, AND SWAY BRACE SEISMIC RESTRAINTS TO MAINTAIN ALIGNMENT. TO PREVENT SAGGING, AND TO PREVENT NOISE AND EXCESSIVE STRAIN DUE TO MOVEMENT UNDER OPERATING CONDITIONS. COORDINATE ANCHORING POINTS TO ASSURE STRUCTURAL INTEGRITY DURING NORMAL OPERATION AND SEISMIC EVENTS.

22. PIPE SUPPORTS SHALL BE DESIGNED TO INCLUDE THE WEIGHT OF THE PIPE, FITTINGS, VALVES, AND WEIGHT OF THE CONTENTS OF THE PIPE.

23. INSTALL WALL-MOUNTED ROOM THERMOSTATS SO THEY ARE ACCESSIBLE IN ACCORDANCE WITH T-24 AND REASONABLE INTERPRETATIONS OF ADA. OTHERWISE, COORDINATE INSTALLATION LOCATION AND HEIGHT WITH ALL TRADES PRIOR TO THERMOSTAT ROUGH-IN.

24. PROVIDE FLEXIBLE CONNECTIONS AT ALL VIBRATION ISOLATED EQUIPMENT AND AS INDICATED ON FLOW DIAGRAMS, DETAILS, AND AS OTHERWISE SPECIFIED.

25. PROVIDE A TIGHT SEAL OF INCOMBUSTIBLE MATERIAL (U.L. APPROVED) AROUND ALL DUCTWORK AND PIPING WHICH PENETRATE FIRE SEPARATIONS.

26. COORDINATE THE LOCATION AND QUANTITY OF ALL ACCESS PANELS. PANELS ARE REQUIRED IN CEILINGS FOR ALL TERMINAL BOXES, DAMPERS, VALVES, CONTROLS, AND OTHER ITEMS REQUIRING ROUTINE MAINTENANCE OR ADJUSTMENT, AND SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH ARCHITECTURAL SPECIFICATIONS. WHERE ACCESS PANELS ARE NOT SHOWN FOR VOLUME DAMPER ACCESS, PROVIDE CEILING MOUNTED REMOTE OPERATED VOLUME DAMPER CONTROL.

27. PROVIDE PIPE SUPPORTS NOT MORE THAN 12 INCHES FROM THE POINT OF CHANGE OF DIRECTION OF A PIPE RUN IN BOTH HORIZONTAL AND VERTICAL PLANES.

28. PROVIDE OPERATING HANDLES FOR ALL VALVES AND COCKS SUPPLIED WITHOUT INTEGRAL OPERATORS.

29. ALL PIPE SIZES ARE IN INCHES. PIPE SIZES NOT SHOWN ON PLAN SHALL BE SIZED NOT TO EXCEED 3-FEET OF HEAD PER 100-FEET LENGTH.

30. PROVIDE VALVES AND OTHER PIPING SPECIALTIES SAME SIZE AS LINE SIZE UNLESS OTHERWISE NOTED.

31. FURNISH AND INSTALL MANUAL AIR DAMPERS AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE SUPPLY DIFFUSER.

FIRE MARSHAL NOTES

1. FIRE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER'S INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITY. DETAILS SHOWN ARE FOR REFERENCE ONLY.

2. AIR MOVING SYSTEMS SUPPLY AN EXCESS OF 2000 CUBIC FEET PER MINUTE (CFM) TO ENCLOSED SPACES WITHIN BUILDINGS SHALL BE EQUIPPED WITH AN AUTOMATIC SHUTOFF. AUTOMATIC SHUTOFF SHALL BE ACCOMPLISHED BY INTERRUPTING THE POWER SOURCE IF THE AIR-MOVING EQUIPMENT UPON DETECTION OF SMOKE IN THE MAIN SUPPLY-AIR DUCT SERVED BY SUCH EQUIPMENT. SEE EXCEPTION (609, CMC).

3. WHEN THE AUTOMATIC ACTIVATION OF A FIRE/SMOKE DAMPER OCCURS, THE HVAC SYSTEM SERVING SUCH DAMPERS SHALL IMMEDIATELY SHUT DOWN. THE HVAC SYSTEM SHALL NOT BE RESTARTED AGAIN UNTIL ALL SUCH DAMPERS ARE RESET AND FULLY OPENED.

4. COMPLIANCE WITH THE 2016 CMC REQUIREMENT 608 (PREVIOUSLY 609) SHALL BE MET FOR AIR HANDLING UNITS (AHU) / AIR MOVING SYSTEM GLOBAL / AGGREGATE SIMULTANEOUS SMOKE SHUTDOWN OF AREA SERVED PER CSFM INTERPRETATION # 02-024 & 08-065 UPON ACTIVATION OF ANY SINGLE DUCT SMOKE DETECTOR.

5. ALL AHU / HVAC UNIT DUCT-SMOKE DETECTORS SHALL BE CONNECTED TO BUILDING FIRE ALARM PANEL TO INITIATE A SUPERVISORY SIGNAL UPON ACTIVATION, BE INTERCONNECTED AND SHALL ALL SHUT DOWN SIMULTANEOUSLY UPON ACTIVATION OF ANY ONE SINGLE DETECTOR.

6. ALL AHU / HVAC UNIT DUCT-SMOKE DETECTORS SHALL BE TESTED BY MANOMETER TO INSURE AIR VOLUME AND VELOCITIES ARE WITHIN THE TOLERANCE SPECIFICATIONS OF THE RATINGS REQUIRED BY THE MANUFACTURER'S DATA ON EACH DUCT-SMOKE DETECTOR INSTALLED WITHIN THE UNIT / DUCTWORK PER 2016 NFPA 72-17.7.4 & 2016 CMC 608.

MECHANICAL SHEET LIST

SHEET NUMBER	SHEET NAME
M-0.1	MECHANICAL COVER SHEET
M-0.2	MECHANCIAL SCHEDULES
M-0.3	TITLE 24 COMPLIANCE
M-1	MECHANICAL REMODEL FLOOR PLANS
M-3	MECHANICAL ROOF PLAN
M-4	MECHANICAL DETAILS
M-5	CONTROLS
MD-1	MECHANICAL DEMO PLANS
MD-3	MECHANICAL DEMO ROOF

DUCT LEGEND

SINGLE LINE SYMBOL | DOUBLE LINE SYMBOL | DESCRIPTION

RECTANGULAR DUCT - WIDTH x DEPTH (PLAN VIEW)
DEPTH x WIDTH (SECTION VIEW)

ACOUSTICALLY LINED
RECTANGULAR
DUCT-DIMENSIONS ARE OUTSIDE

MANUAL AIR DAMPER

RISE OR DROP DUCT IN DIRECTION OF AIR FLOW

RECTANGULAR TO RECTANGULAR
TRANSISTION ,
MAX. SLOPE OF 1:3
RECTANGULAR TO ROUND
TRANSITION ,
MAX. SLOPE OF 1:3

ELBOW, RECTANGULAR, SMOOTH
RADIUS,
WITHOUT TURNING VANES

CONVERGING OR DIVERGING TEE, 45˜ ENTRY, RECTANGULAR
MAIN AND BRANCH. WHEN REDUCING MAIN, SIDE OF TAKE
OFF
OR ENTRY BRANCH TO BE FLAT, OTHER SIDES
MAX. SLOPE OF 1:3

CONICAL DUCT TAKE OFF FROM RECTANGULAR VIA SPIN-
IN
W/DAMPER AND SCOOP

ROUND DUCT TAKE OFF FROM RECTANGULAR VIA
SMOOTH
CONVERGING BELL MOUTH

3-WAY RECTANGULAR SPLIT WITH TWO TRANSITIONAL ELBOWS
AND TRANSITIONING MAIN. DOWNSTREAM MAD'S ON THE
TREE BRANCHES. THROATS SIZED FOR EQUAL PRESSURE
DROP.

FOR CONCEALED DUCT: DROP TO DIFFUSER SHALL BE FULL SIZE
OF DIFFUSER NECK. FOR EXPOSED DUCT: DROP SHALL BE FULL
SIZE OF OD DIFFUSER FRAME, FLANGE FOR MOUNITING DIFFUSER
TURNED IN. AIR EXTRACTOR AND EQUALIZER GRID AT
CONNECTION
TO MAIN.

SUPPLY AIR, SUPPLY AIR DUCT IN SECTION, SUPPLY DROP

RETURN AIR, RETURN AND OUTSIDE AIR DUCT IN SECTION, RETURN AIR DROP

EXHAUST AIR, EXHAUST AIR DUCT IN SECTION, EXHAUST AIR DROP

FLEXIBLE DUCT (ROUND)

FLEXIBLE DUCT (FABRIC)

45° REDUCING
LATERAL
FITTING

90° REDUCING
TEE
FITTING

LINEAR DIFFUSER WITH PLENUM

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

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

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

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

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

GREEN BUILDING CODE NOTES

1. A FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL NEW SYSTEMS SHALL BE COMPLETED PRIOR TO FINAL APPOROVAL BY THE FIELD INSPECTOR. THIS REPORT SHALL BE SIGNED BY THE INVIDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.
2. AN OPERATING & SYSTEMS MANUAL SHALL BE PROVIDED TO THE OWNER OR REPRESENTATIVE AND TO THE FIELD INSPECTOR AT THE TIME OF FINAL INSPECTION.
3. IF THE NEW HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MERV OF 8. REPLACE ALL FILTERS IMEEDIATELY PRIOR TO OCCUPANCY.
4. ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENING SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET METAL UNTIL THE FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT.
5. THE HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN CFC OR HALONS.
6. HVAC AND WATER SYSTEMS TO BE BALANCED PER AABBC STANDARDS.
7. SYSTEM DESCRIPTION: HVAC SYSTEM CONSIST OF MULTIPLE ZONE VARIABLE VOLUME & CONSTANT VOLUME AIR HANDLING SYSTEMS AND STAND ALONE SPLIT SYSTEM DX UNITS.

MECHANICAL LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	ABV	ABOVE
	ABC	ABOVE CEILING
	AF	ABOVE FLOOR
	AFF	ABOVE FINISHED FLOOR
	AFG	ABOVE FINISHED GRADE
	AD , AP	ACCESS DOOR , ACCESS PANEL
	AC	AIR CONDITIONING
	AHU	AIR HANDLING UNIT
	APD	AIR PRESSURE DROP, INCHES WATER COLUMN
	AB	ANCHOR BOLT
	ANV	ANGLE VALVE
	AAV	AUTOMATIC AIR VENT
	BV	BALL VALVE
	BDD	BACK DRAFT DAMPER
	BFP	BACKFLOW PREVENTER
	BF	BELOW FLOOR
	BHP	BRAKE HORSE POWER
	BTU(H)	BRITISH THERMAL UNITS (PER HOUR)
	BFV	BUTTERFLY VALVE
BPT	BPT	BYPASS TIMER
	CBV	CALIBRATED BALANCE VALVE
	CC	CENTER TO CENTER
	CLG	CEILING
	CEF	CEILING EXHAUST FAN
	CKV	CHECK VALVE
CHWS	CHWS	CHILLED WATER SUPPLY PIPING
CHWR	CHWR	CHILLED WATER RETURN PIPING
	CP	CIRCULATING PUMP
	CLR	CLEAR
	CONC	CONCRETE
		CONCENTRIC REDUCER
CD	CD	CONDENSATE DRAIN
	COND	CONDENSER
	CONN	CONNECT OR CONNECTION
	CONT	CONTINUATION
	CONTR	CONTRACTOR
f	CFM	CUBIC FEET OF AIR FLOW PER MINUTE
	DPR	DAMPER
°F		DEGREES FAHRENHEIT
–	DIA	DIAMETER , PHASE
	DL	DOOR LOUVER
	DN	DOWN
	DR	DRAIN
	DB	DRY BULB (DEGREES FAHRENHEIT)
DS	DS	DYNAMIC SENSOR
		ECCENTRIC REDUCER
	EP	ELECTRICAL PANEL
	EL	ELEVATION
	ENT	ENTERING
	EDB	ENTERING DRY BULB
	EW	ENTERING WATER
	EWT	ENTERING WATER TEMPERATURE
	EWB	ENTERING WET BULB
	EVAP	EVAPORATOR
	EC	EVAPORATIVE COOLER
	EA	EXHAUST AIR
	EAD	EXHAUST AIR DAMPER
	EF	EXHAUST FAN
	(E), EXIST	EXISTING
	(E)	EXISTING TO BE REMOVED
	ESP	EXTERNAL STATIC PRESSURE
	FPM	FEET PER MINUTE
	FIN	FINISH
F	FD	FIRE DAMPER
FS	FS	FIRE/SMOKE DAMPER
	FC	FLEXIBLE CONNECTION
	FLR	FLOOR
		FLOW IN DIRECTION OF ARROW
	FLV	FLOW LIMITING VALVE
	FA	FROM ABOVE
	FB	FROM BELOW
	FLA	FULL LOAD AMPS
	GCK	GAGE COCK
	GPH	GALLONS PER HOUR
	GPM	GALLONS PER MINUTE
	GV	GATE VALVE
	GLV	GLOBE VALVE
	GALV	GALVANIZED
	GI	GALVANIZED IRON
	GA	GAUGE
	HTG	HEATING
	HW	HOT WATER
HWS	HWS	HOT WATER SUPPLY PIPING
HWR	HWR	HOT WATER RETURN PIPING

PIPING, DUCTWORK & ELECTRICAL DISTRIBUTION SYSTEM EMBRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON PREAPPROVED INSTALLATION GUIDE (e.g., SMACNA OR OSHPD OPM). COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

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

MP ☒ MD ☒ PP ☐ E ☐ — OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM #) # OPM-0043-13

MP ☒ MD ☒ PP ☐ — OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL. OSHP EDITION (2009), INCLUDING ANY ADDENDA. FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL A AND CONNECTION LEVEL 1 FOR THE PROJECT AND CONDITIONS.

MECHANICAL LEGEND cont'd

SYMBOL	ABBREVIATION	DESCRIPTION
	IE	INVERT ELEVATION
	KW	KILOWATTS
	KWH	KILOWATT HOUR
	KXA	KITCHEN EXHAUST AIR
	LDB	LEAVING DRY BULB IN DEGREES FAHRENHEIT
	LWB	LEAVING WET BULB IN DEGREES FAHRENHEIT
	LRA	LOCKED ROTOR AMPERES
	LVR	LOUVER
	MA	MAKE UP AIR
	MAD, MD	MANUAL AIR DAMPER
	MAV	MANUAL AIR VENT
	MFR	MANUFACTURER
	MAX	MAXIMUM
	MIN	MINIMUM
	MCC	MOTOR CONTROL CENTER
	(N)	NEW
	OC	ON CENTER
	OSA	OUTSIDE AIR
	OD	OUTSIDE DIAMETER
	OV	OUTLET VELOCITY
	OH	OVERHEAD
		PETE'S PLUG
		PIPE ANCHOR
		PIPE DROP
		PIPE GUIDE
		PIPE RISE
		PITCH DOWN IN DIRECTION OF FLOW
	POC	POINT OF CONNECTION
	LBS	POUNDS
	PSI (G) (A)	POUNDS PER SQUARE INCH (GAUGE) (ABSOLUTE)
	PD	PRESSURE DROP
	PG	PRESSURE GAUGE
	PRV	PRESSURE REDUCING VALVE
RG	RG	REFRIGERANT GAS PIPING
RS	RS	REFRIGERANT SUCTION PIPING
RL	RL	REFRIGERANT LIQUID PIPING
	RV or P&TRV	RELIEF VALVE OR PRESSURE & TEMPERATURE RELIEF VALVE
	RA	RETURN AIR
	RAD	RETURN AIR DAMPER
	RPM	REVOLUTIONS PER MINUTE
	RLA	RUNNING LOAD AMPERES
	SB	SECURITY BARS
	SM	SHEET METAL
	SWR	SIDE WALL REGISTER
SD	SD	SMOKE DAMPER
SD	SKD	SMOKE DETECTOR
	SQFT, FT2``~~	SQUARE FEET
	SQIN, IN2`	SQUARE INCHES
	SP	STATIC PRESSURE
	SPD	STATIC PRESSURE DROP
	STR	STRAINER
	SA	SUPPLY AIR
	SF	SUPPLY FAN
	TCP	TEMPERATURE CONTROL PANEL
	TCV	TEMPERATURE CONTROL VALVE
TS X		TEMPERATURE SENSOR, "X" INDICATES DEVICE CONTROLLED
		THERMOMETER
T X	T	THERMOSTAT, "X" INDICATES DEVICE CONTROLLED
	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
	TA	TO ABOVE
	TB	TO BELOW
	TD	TRANSFER DUCT
	TP	TOTAL PRESSURE
	TSP	TOTAL STATIC PRESSURE
	TYP	TYPICAL
	UG	UNDERGROUND
	UCD	UNDER CUT DOOR
	UON	UNLESS OTHERWISE NOTED
	VFD	VARIABLE FREQUENCY DRIVE
	VLV	VALVE
		VALVE IN RISER (TYPE AS INDICATED OR NOTED)
		VALVE IN VALVE BOX
	WPD	WATER PRESSURE DROP
	W	WATTS
	WT	WEIGHT
	WB	WET BULB
	WMS	WIRE MESH SCREEN
	WP	WORKING PRESSURE
		2-WAY CONTROL VALVE
		3-WAY CONTROL VALVE

DSA NOTES

1. ALL WORK SHALL CONFORM TO 2016 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. THE SCOPE OF WORK; CLEARLY INDICATED THE SCOPE OF WORK ON THE COVER SHEET OR GENERAL NOTE SHEET OF THE DRAWINGS.
3. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.
4. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
5. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
6. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
7. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24; CCR)
8. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

CAPITAL
ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00
PM - DESIGN TEAM PROJECT NO.

CHRISTOPHER V. MERCURI
M 34011
EXPIRES 3/30/20
MECHANICAL

DATE SIGNED:
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19
rev: date: description:

drawing title:
MECHANICAL COVER SHEET

drawing no.:
M-0.1
drawing of

PACKAGE ROOF TOP UNIT SCHEDULE

UNIT	UNIT LOCATION	MANUFACTURER	MODEL	UNIT DISCHARGE ARRANGEMENT	NOM. TONS	ESP	CFM	ELECTRICAL					IEER	WEIGHT (LBS)	FILTER	MOUNTING DETAIL	CONTROLS DETAILS	REMARKS
								V	PH	HZ	MCA	MOCP						
RTU-2	ROOF	CARRIER	50HCQ09C	SIDE	5.0	1.4	3,500	208	3	60	38.4	50	12.2	1,200	MERV 8			SEE NOTES.
RTU-3	ROOF	CARRIER	50HCQ09C	SIDE	5.0	1.4	3,500	208	3	60	38.4	50	12.2	1,200	MERV 8			SEE NOTES.

NOTES:

1. RTUS TO HAVE SINGLE ZONE VAV (FACTORY OPTION) INSTALLED.
2. PROVIDE MODULATING POWER EXHAUST ECONOMIZER, ENTHALPY CONTROL.
3. UNIT TO INCLUDE DISCONNECT, HINGED ACESS PANELS, CONVENIENCE OUTLET, VFD ON MOTORS.
4. SINGLE POINT ELECTRIC CONNECTION.
5. 7-DAY PROGRAMMED THERMOSTAT.
6. CO2 SENSORS FOR OSA OVERRIDE.
7. FACTORY SUPPLY SMOKE DETECTOR.

EXHAUST FANS SCHEDULE

UNIT TAG	LOCATION	AREA SERVED	MANUFACTURER	FAN TYPE	CFM	TOTAL SP (IN WG)	FAN MOTOR (HP)	ELECTRICAL Volts/Phase/Hz	UNIT WEIGHT (LBS)	REMARKS
EF-1	Admin Roof	Men's & Women's Restroom	Greenheck CUBE 101-4 Series	Upblast	620	0.6	0.25	120/1/60	100	

NOTES:

1. PROVIDE FACTORY SUPPLIED ROOF CURB.
2. DRAIN CONNECTIONS.
3. BIRDSCREEN.
4. MOTOR STARTER.
5. BACKDRAFT DAMPER.

SPLIT SYSTEM - FAN COIL SCHEDULE FOR IT ROOMS

UNIT TAG	LOCATION	MANUFACTURER	MODEL	AREA SERVED	SERVING	SENS. CAP.	TOTAL CAP (BTUH)	CFM	ELECTRICAL				WEIGHT (LBS)	Remarks
									V	PH	HZ	AMPS		
FCU-1	MEZZANINE	LG	ARNU363SVA4	IT ROOM	TER	-	35,500	920	208-230	1	60	3	100	1-4

NOTES:

1. PROVIDE 30% EFF FILTER.
2. PROVIDE SECONDARY DRAIN PAN.
3. PROVIDE WITH CONDENSATE PUMP.
4. SEE 4/M7-4 FOR FCU MOUNTING DETAIL.

SPLIT SYSTEM - CONDENSING UNIT SCHEDULE

UNIT TAG	LOCATION	MANUFACTURER	MODEL	AREA SERVED	CAPACITY (BTU/H)	AIRFLOW CAP	REF CHARGE (LBS)	ELECTRICAL				WEIGHT (LBS)	Remarks
								V	PH	HZ	MCA		
CU-1	ROOF	LG	ARUN038GSS4	IT ROOM	38,000	3,885	6.6	208-230	1	60	25.0	250	1

NOTES:

1. SEE 4/7.02 FOR DX CONDENSOR MOUNTING DETAIL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP architecture planning interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

CAPITAL ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00
PM - DESIGN TEAM PROJECT NO.
REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER V. MERCURIO M 34011 EXPIRES 3/30/20 MECHANICAL STATE OF CALIFORNIA
DATE SIGNED:
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221
owner

tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19
rev: date: description:

drawing title:
MECHANCIAL SCHEDULES

drawing no.:
M-0.2
drawing of

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	Page of
Project Name: Compton College Administration Building Renovation	Date Prepared: 2/21/2019

A. MECHANICAL COMPLIANCE FORMS & WORKSHEETS
(indicate if worksheet is included)

For detailed instructions on the use of this and all Energy Standards compliance documents, refer to the 2016 Nonresidential Manual
Note: The Enforcement Agency may require all compliance documents to be incorporated onto the building plans. The NRCC-MCH-04-E and NRCC-MCH-05-E are alternative compliance documents to NRCC-MCH-01-E, NRCC-MCH-02-E and NRCC-MCH-03-E for projects using only single zone packaged HVAC systems.

YES	NO	Form	Title
⦿	○	NRCC-MCH-04-E (1 of 2)	Certificate of Compliance. Required on plans when used.
⦿	○	NRCC-MCH-04-E (2 of 2)	Mechanical Acceptance Tests. Required on plans when used.
⦿	○	NRCC-MCH-05-E (1 of 2)	HVAC Prescriptive Requirements. It is required on plans when used.
⦿	○	NRCC-MCH-05-E (2 of 2)	Mechanical SWH Equipment Summary is required for all submittals with service water heating, pools or spas. It is required on plans where applicable.

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	Page of
Project Name: Compton College Administration Building Renovation	Date Prepared: 2/21/2019

Designer:
This compliance document is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the applicable boxes by all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems. The NA number designates the Section in the Appendix of the Nonresidential Reference Appendices Manual that describes the test. Since this compliance document will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.

Enforcement Agency:
Systems Acceptance. Before occupancy permit is granted for a newly constructed building or space, or a new space-conditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.

Systems Acceptance. Before occupancy permit is granted all newly installed HVAC equipment must be tested using the Acceptance Requirements. The NRCC-MCH-04-E compliance document is not considered a completed document and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Example: HVAC installer, TAB contractor, controls contractor, PE in charge of project) and what Acceptance test must be conducted. The following checked-off forms are required for ALL newly installed and replaced equipment. In addition a Certificate of Acceptance compliance documents shall be submitted to the building department that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of Section 10-103(b) and Title 24 Part 6. The building inspector must receive the properly filled out and signed compliance documents before the building can receive final occupancy.

Test Description		MCH-02-A	MCH-03-A	MCH-04-A	MCH-05-A	MCH-06-A	MCH-07-A	MCH-11-A	MCH-12-A	MCH-14-A	MCH-18-A	
Equipment Requiring Testing or Verification	# of Units	Outdoor Air	Single Zone Unitary	Air Distribution Ducts	Economizer Controls	Demand Control Ventilation (DCV)	Supply Fan VAV	Automatic Demand Shed Control	FDD for Packaged DX Units	Distributed Energy Storage DX AC Systems	Energy Management Control System	Test Performed By:
RTU-2	1	☑	☐	☐	☑	☑	☑	☑	☐	☐	☐	INSTALLING CONTRACTOR
RTU-3	1	☑	☐	☐	☑	☑	☑	☑	☐	☐	☐	INSTALLING CONTRACTOR
FCU-1	1	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	INSTALLING CONTRACTOR
(E) RTU-1		☐	☐	☑	☐	☐	☐	☐	☐	☐	☐	INSTALLING CONTRACTOR

Add Row | Remove Last

STATE OF CALIFORNIA
REQUIRED ACCEPTANCE TESTS
CEC-NRCC-MCH-04-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-04-E
Required Acceptance Tests	Page of
Project Name: Compton College Administration Building Renovation	Date Prepared: 2/21/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jessica Hughey	Documentation Author Signature:
Company: Capital Engineering Consultants, Inc.	Signature Date: 2/21/2019
Address: 11020 Sun Center Drive, Suite 100	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Rancho Cordova, CA 95670	Phone: (916) 851-3500

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. 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.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued 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 the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company: Capital Engineering Consultants, Inc.	Date Signed: 2/21/2019
Address: 11020 Sun Center Drive, Suite 100	License:
City/State/Zip: Rancho Cordova, CA 95670	Phone: (916) 851-3500

STATE OF CALIFORNIA
REQUIREMENTS FOR PACKAGED SINGLE ZONE UNITS
CEC-NRCC-MCH-05-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-05-E
Requirements for Packaged Single-Zone Units	(Page 1 of 2)
Project Name: Compton College Administration Building Renovation	Date Prepared: 2/21/2019

Equipment Tag(s)[1]		RTU-2		RTU-3		FCU-1	
MANDATORY MEASURES	*T-24 Sections*	*Requirement*[2]	*As Scheduled*[3]	*Requirement*[2]	*As Scheduled*[3]	*Requirement*[2]	*As Scheduled*[3]
Heating Equipment Efficiency[4]	110.1 or 110.2(a)	80% TE	80% TE	80% TE	80% TE	80% TE	80% TE
Cooling Equipment Efficiency[4]	110.1 or 110.2(a)	13 SEER	12.2 IEER	13 SEER	12.2 IEER	14SEER,12.2EER	14SEER,12.2EER
Thermostats[5]	110.2(b), 110.2(c)	Setback	7 day program	Setback	7 day program	Setback	7 day program
Furnace Standby Loss Control[6]	110.2(d)	n/a		n/a		n/a	
Low Leakage AHU	110.2(f)	NR	No	NR	No	NR	no
Ventilation[7]	120.1(b)	0.15cfm/sqft	0.15cfm/sqft	0.15cfm/sqft	0.15cfm/sqft	0.15cfm/sqft	0.15cfm/sqft
Demand Control Ventilation[8]	120.1(c)4	Req	Yes	Req	Yes	NR	No
Occupant Sensor Ventilation Control[8]	120.1(c)5, 120.2(e)3	NR		NR		NR	
Shutoff and Reset Controls[9]	120.2(e)	Req	program clock	Req	program clock	Req	program clock
Outdoor Air and Exhaust Damper Control	120.2(f)	Req	provided	Req	provided	n/a	n/a
Automatic Demand Shed Controls	120.2(h)	Req	provided	Req	provided	NR	No/critical zone
Economizer FDD	120.2(i)	Req	provided	Req	provided	NR	No
Duct Insulation	120.4	R-4.2	R-4.2	R-4.2	R-4.2	n/a	n/a
PRESCRIPTIVE MEASURES							
Equipment is sized in conformance with 140.4 (a & b)	140.4(a & b)	Req	Yes	Req	Yes	Req	Yes
Economizer	140.4(e)	Req	Yes	Req	Yes	Req	Yes
Electric Resistance Heating[10]	140.4(g)	No	No	No	No	No	No
Duct Leakage Sealing and Testing.[11]	140.4(l)	NR	No	NR	No	NR	No

Notes:
1. *Provide equipment tags (e.g. AC1 or AC1 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 "N/A" if no heating); and, rated cooling capacity (enter "N/A" if no cooling). For unit capacities include the units (e.g. kBtuh 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 labels (e.g. COP and IEER).*
5. *In the left column identify the thermostatic requirements from the standard (e.g. programmable setback thermostat or heatpump 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 ≥ 225,000 Btuh of capacity, indicate the rated standby loss and ignition source (e.g. IID). If there is no furnace or the unit is rated for <225,000 Btuh indicate "N/A".*
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 "N/A" 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 "N/A" in the left column). If either DCV or Occupant Sensor Ventilation Control is provided indicate "provided" in the right column (otherwise indicate "N/A" in the right column)*
9. *In the left column indicate the required time controls from the standard. In the right column identify the device that provides this functionality (e.g. EMCS or programmable timeclock).*
10. *Enter N/A if there is no electric heating. If the system has electric heating indicate which exception to 140.4(g) applies.*
11. *If duct leakage sealing and testing is required, a **MCH-04-A** compliance document must be submitted.*

STATE OF CALIFORNIA
REQUIREMENTS FOR PACKAGED SINGLE ZONE UNITS
CEC-NRCC-MCH-05-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-MCH-05-E
Requirements for Packaged Single-Zone Units	(Page 2 of 2)
Project Name: Compton College Administration Building Renovation	Date Prepared: 2/21/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jessica Hughey	Documentation Author Signature:
Company: Capital Engineering Consultants, Inc.	Signature Date: 2/21/2019
Address: 11020 Sun Center Drive, Suite 100	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Rancho Cordova, CA 95670	Phone: (916) 851-3500

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. 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.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued 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 the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company: Capital Engineering Consultants, Inc.	Date Signed: 2/21/2019
Address: 11020 Sun Center Drive, Suite 100	License:
City/State/Zip: Rancho Cordova, CA 95670	Phone: (916) 851-3500

STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
CEC-NRCC-PLB-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-01-E
Water Heating System General Information	(Page 1 of 2)
Project Name: Compton College Administration Building Remodel	Date Prepared: 2/21/2019

A. GENERAL INFORMATION/SYSTEM INFORMATION

01	Water Heater System Name:	GWH-1
02	Water Heater System Configuration:	
03	Water Heater System Type:	Domestic Hot Water
04	Building Type:	Nonresidential
05	Total Number of Water Heaters in Systems:	1
06	Central DHW Distribution Type:	
07	Dwelling Unit DHW Distribution Type:	

B. WATER HEATER INFORMATION
Each water heater type requires a separate compliance document.

01	Water Heater Type:	Large Storage - Gas
02	Fuel Type:	Gas
03	Manufacture Name:	Lochinvar
04	Model Number:	CLN 120 080
05	Number of Identical Water Heaters:	1
06	Installed Water Heater System Efficiency:	80% TE
07	Required Minimum Efficiency:	80% TE
08	Standby Loss Percent or Standby Loss Total:	
09	Rated Input:	120,000
10	Pilot Energy:	NA
11	Water Heater Tank Storage Volume:	81
12	Exterior Insulation on Water Heater:	NA
13	Volume of Supplemental Storage:	NA
14	Internal Insulation on Supplemental Storage:	NA
15	Exterior Insulation on Supplemental Storage:	NA

C. PLUMBING COMPLIANCE FORMS & WORKSHEETS
Check box if worksheet is included.

For detailed instructions on the use of this and all Energy Standards compliance documents, refer to the 2016 Nonresidential Manual
Note: The Enforcement Agency may require all compliance documents to be incorporated onto the building plans.

YES	NO	Doc/Worksheet #	Title
⦿	○	NRCC-PLB-01-E	Certificate of Compliance, Declaration. Required on plans for all submittals.
⦿	○	NRCI-PLB-01-E	Certificate of Installation. Required on plans for all submittals.
○	⦿	NRCI-PLB-02-E	Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.
○	⦿	NRCI-PLB-03-E	Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.
○	⦿	NRCI-PLB-21-H	Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.
○	⦿	NRCI-PLB-22-H	Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.
○	⦿	NRCI-STH-01-E	Certificate of Installation, required on any solar water heating

STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
CEC-NRCC-PLB-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-01-E
Water Heating System General Information	(Page 2 of 2)
Project Name: Compton College Administration Building Remodel	Date Prepared: 2/21/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jessica Hughey	Documentation Author Signature:
Company: Capital Engineering Consultants, Inc.	Signature Date: 2/21/2019
Address: 11020 Sun Center Dr, Suite 100	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Rancho Cordova CA 95670	Phone: (916) 851-3500

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. 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.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued 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 the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company: Capital Engineering	Date Signed:
Address: 11020 Sun Center Dr, Suite 100	License:
City/State/Zip: Rancho Cordova CA 95670	Phone: (916) 851-3500

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP architecture planning interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx. 949.732.3895
architect

CAPITAL ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00
consultant

REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA — M 34011 — EXPIRES 3/30/20 — MECHANICAL

DATE SIGNED: _____

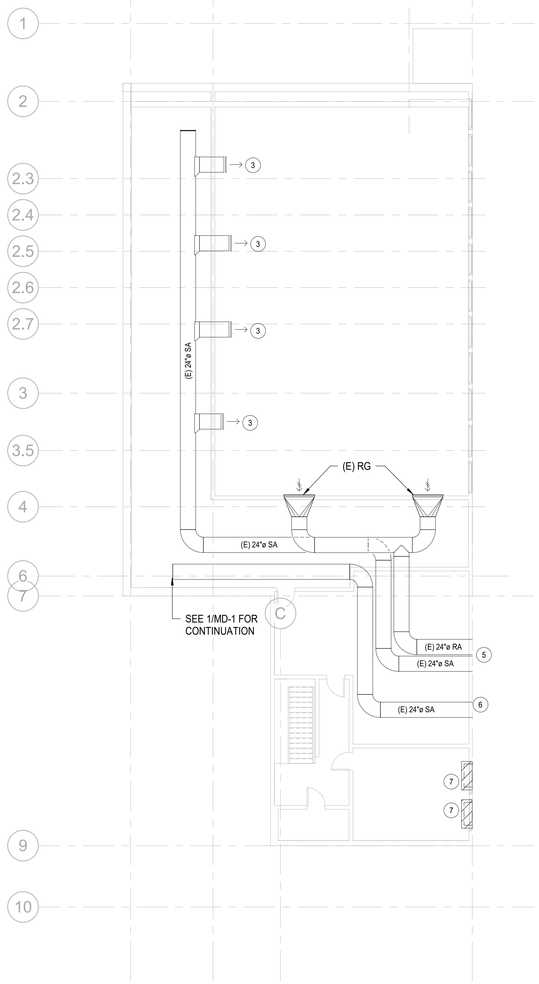
COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221
owner

tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19

rev:	date:	description:

drawing title:
TITLE 24 COMPLIANCE

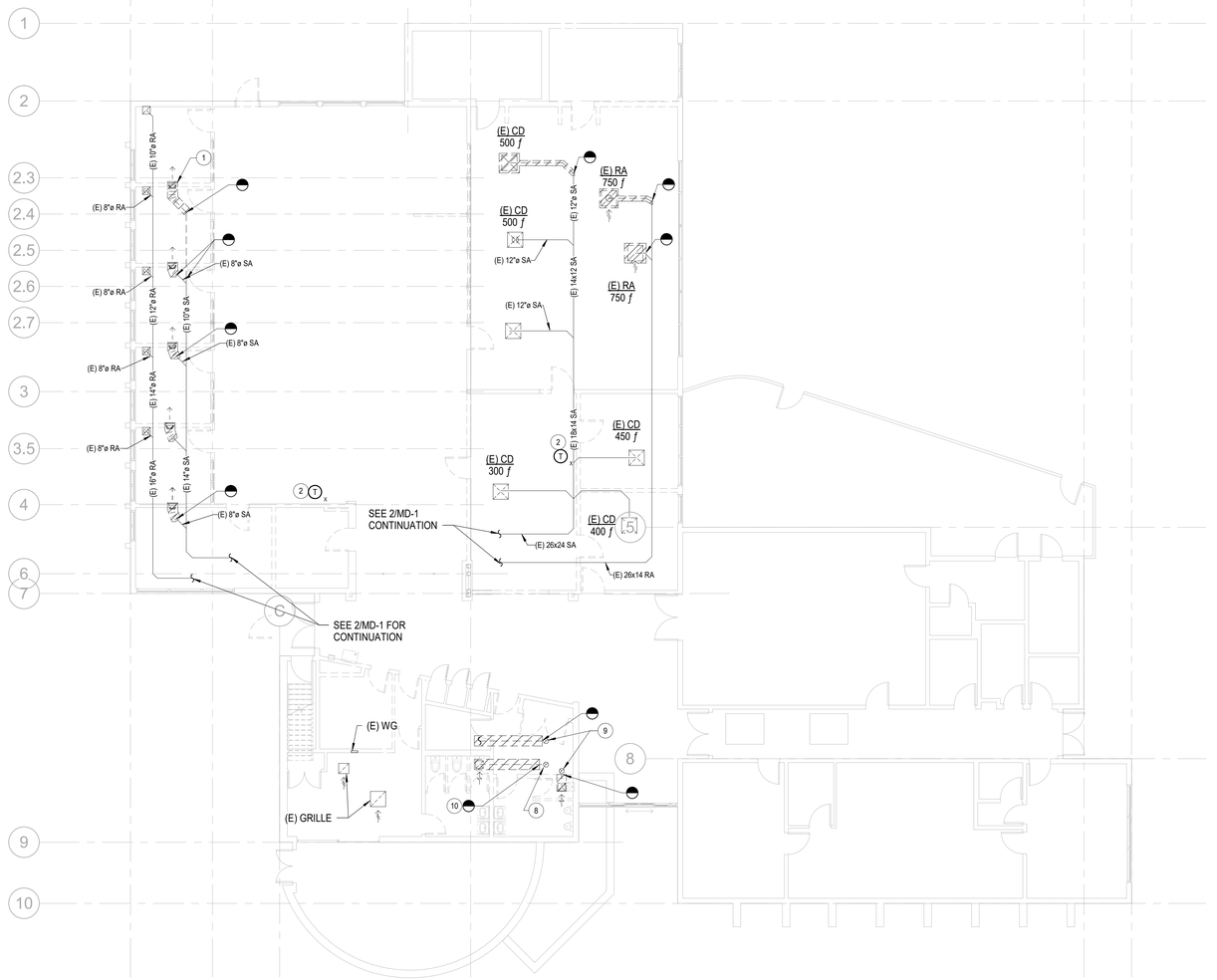
drawing no.:
M-0.3
drawing of



2ND FLOOR DEMO PLAN 2
SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'

NORTH



1ST FLOOR DEMO PLAN 1
SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'

NORTH

SHEET NOTES:

1. EXISTING DUCTWORK TO BE CHECKED FOR LEAKS AND RE-USABILITY.
2. ITEMS SHOWN IN HATCH LINES ARE TO BE DEMOLISHED UNLESS OTHERWISE NOTED.
3. EXISTING DRAWINGS FOR THIS BUILDING WAS LIMITED TO ARCHITECTURAL DOCUMENTS AND STRUCTURAL DOCUMENTS.
4. PRIOR TO CONSTRUCTION BID CONTRACTOR SHALL PERFORM AN ONSITE FIELD INVESTIGATION TO DETERMINE THE ACTUAL AND EXISTING HVAC SYSTEM NOT LIMITED TO DUCTING ROUTING, DIMENSION AND CONDITION.
5. SUBMIT ANY QUESTION AND RFI IF ANY, REGARDING EXISTING INSTALLATION IN LIEU OF THE DESIGN DOCUMENT FOR ANY DISCREPANCIES.

DEMOLITION KEY NOTES:

1. (E) SIDE WALL GRILLE TO BE REMOVE.
2. (E) T-STAT TO BE REMOVED.
3. (E) SIDE WALL GRILLE TO BE REMOVE, RELOCATE, & REUSE BASED ON NEW WALL ADJUSTMENT. SEE REMODEL PLAN EXTEND DUCTWORK.
4. (E) SA & RA DUCT TO (E) RTU-5
5. (E) SA & RA DUCT TO (E) RTU-4.
6. (E) SA & RA DUCT TO (E) RTU-3.
7. (E) WINDOW TYPE A/C UNIT TO BE REMOVE.
8. (E) ROOF CAP ON ROOF TO BE REMOVE & REPLACE WITH NEW.
9. (E) EA DUCT U.T.R. TO (E) ROOF CAP. ROOF OPENING TO REMAIN & REUSE. ENLARGE ROOF OPENING IF NECESSARY.
10. CLOSE DUCT OPENING

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

CAPITAL ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00

REGISTERED PROFESSIONAL ENGINEER
M 34011
EXPIRES 3/30/20
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED:

consultant

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

owner

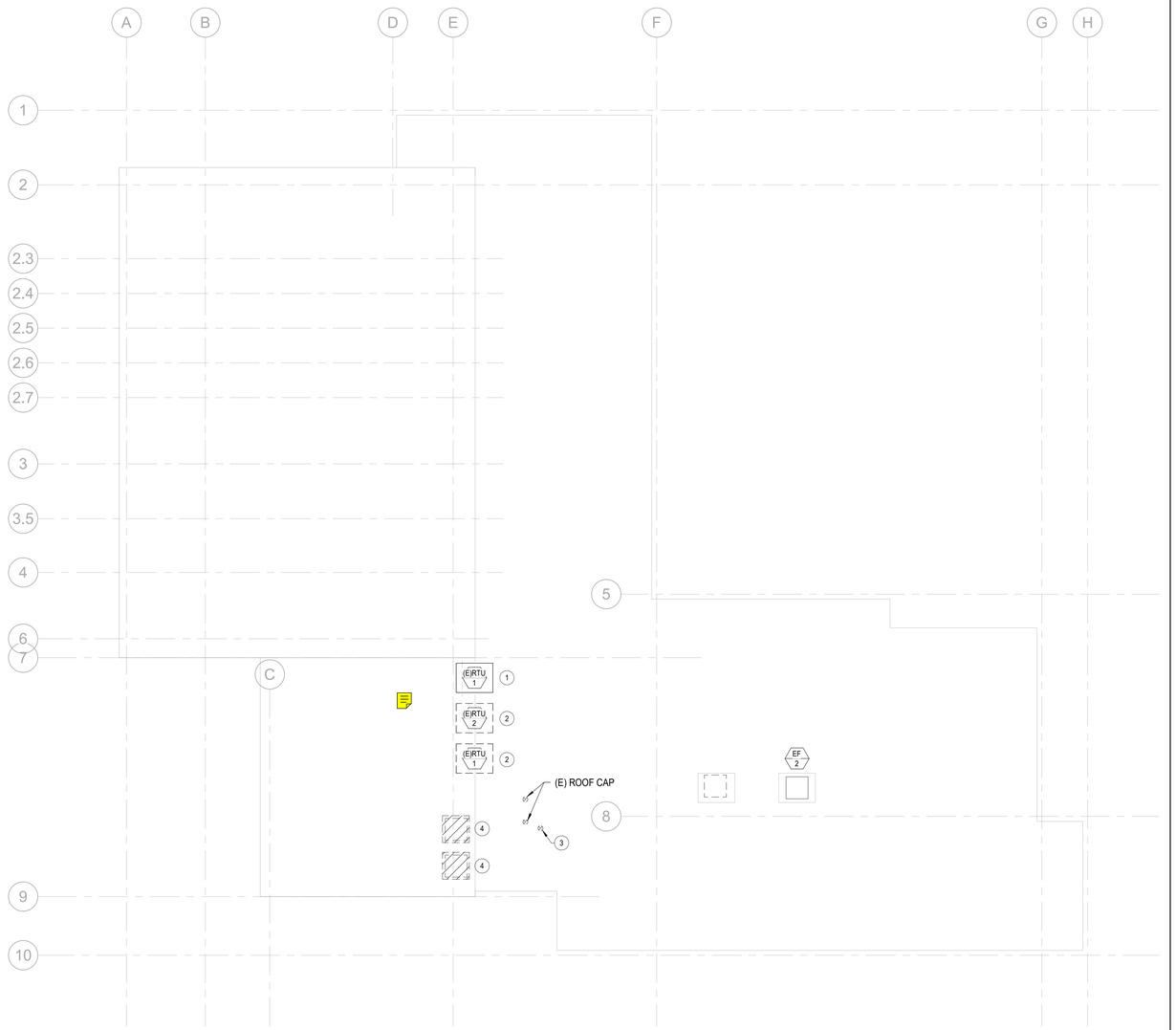
tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19

rev:	date:	description:

drawing title:
MECHANICAL DEMO PLANS

drawing no.:
MD-1

drawing of



ROOF PLAN 1
SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'
NORTH

SHEET NOTES:

1. EXISTING DUCTWORK TO BE CHECKED FOR LEAKS AND RE-USABILITY.

2. ITEMS SHOWN IN HATCH LINES ARE TO BE DEMOLISHED UNLESS OTHERWISE NOTED.

3.EXISTING DRAWINGS FOR THIS BUILDING WAS LIMITED TO ARCHITECTURAL DOCUMENTS AND STRUCTURAL DOCUMENTS.

4. PRIOR TO CONSTRUCTION BID CONTRACTOR SHALL PERFORM AN ONSITE FIELD INVESTIGATION TO DETERMINE THE ACTUAL AND EXISTING HVAC SYSTEM NOT LIMITED TO DUCTING ROUTING, DIMENSION AND CONDITION.

5. SUBMIT ANY QUESTION AND RFI IF ANY, REGARDING EXISTING INSTALLATION IN LIEU OF THE DESIGN DOCUMENT FOR ANY DISCREPANCIES.

DEMOLITION KEY NOTES:

1. EXISTING RTU TO REMAIN & REUSE REBALANCE & READJUST AIRFLOW BASED ON NEW CFM SHOWNON REMODEL PLAN.
2. EXISTING RTU TO BE REMOVE & REPLACE. EXISTING MOUNTING PAD TO REMAIN & REUSE.
3. EXISTING ROOF CAP TO BE REMOVE & REPLACE WITH NEW. OPENING TO REMAIN & ENLARGED IF NECESSARY.
4. EXISTING WINDOW TYPE A/C TO BE REMOVE. CLOSE WALL/WINDOW OPENING (AIR TIGHT).

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

agency
DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

architect
tBP
architecture
planning
interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

consultant
CAPITAL
ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00
REGISTERED PROFESSIONAL ENGINEER
M 34011
EXPIRES 3/30/20
MECHANICAL
STATE OF CALIFORNIA
DATE SIGNED:

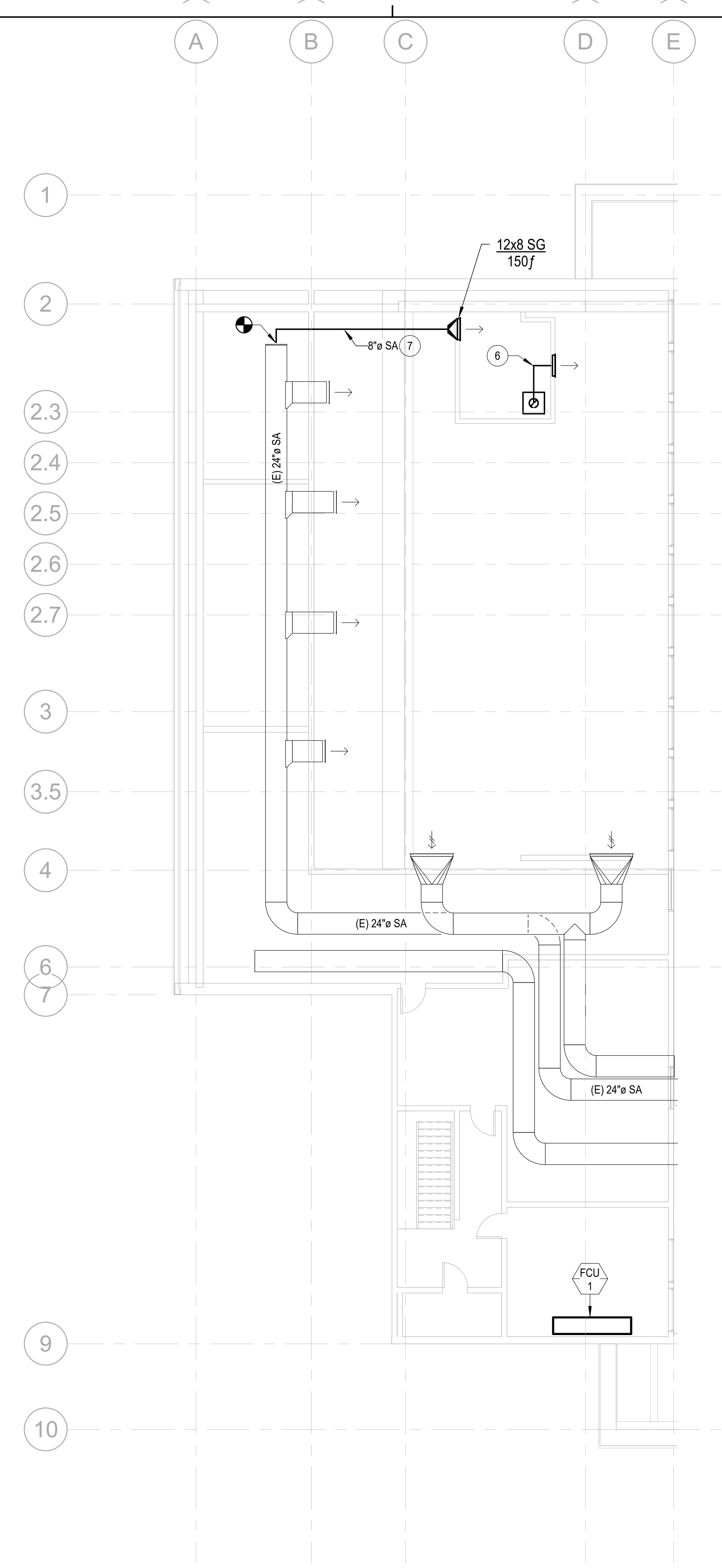
owner
COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221

tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19

rev:	date:	description:

drawing title:
MECHANICAL DEMO ROOF

drawing no.:
MD-3
drawing of

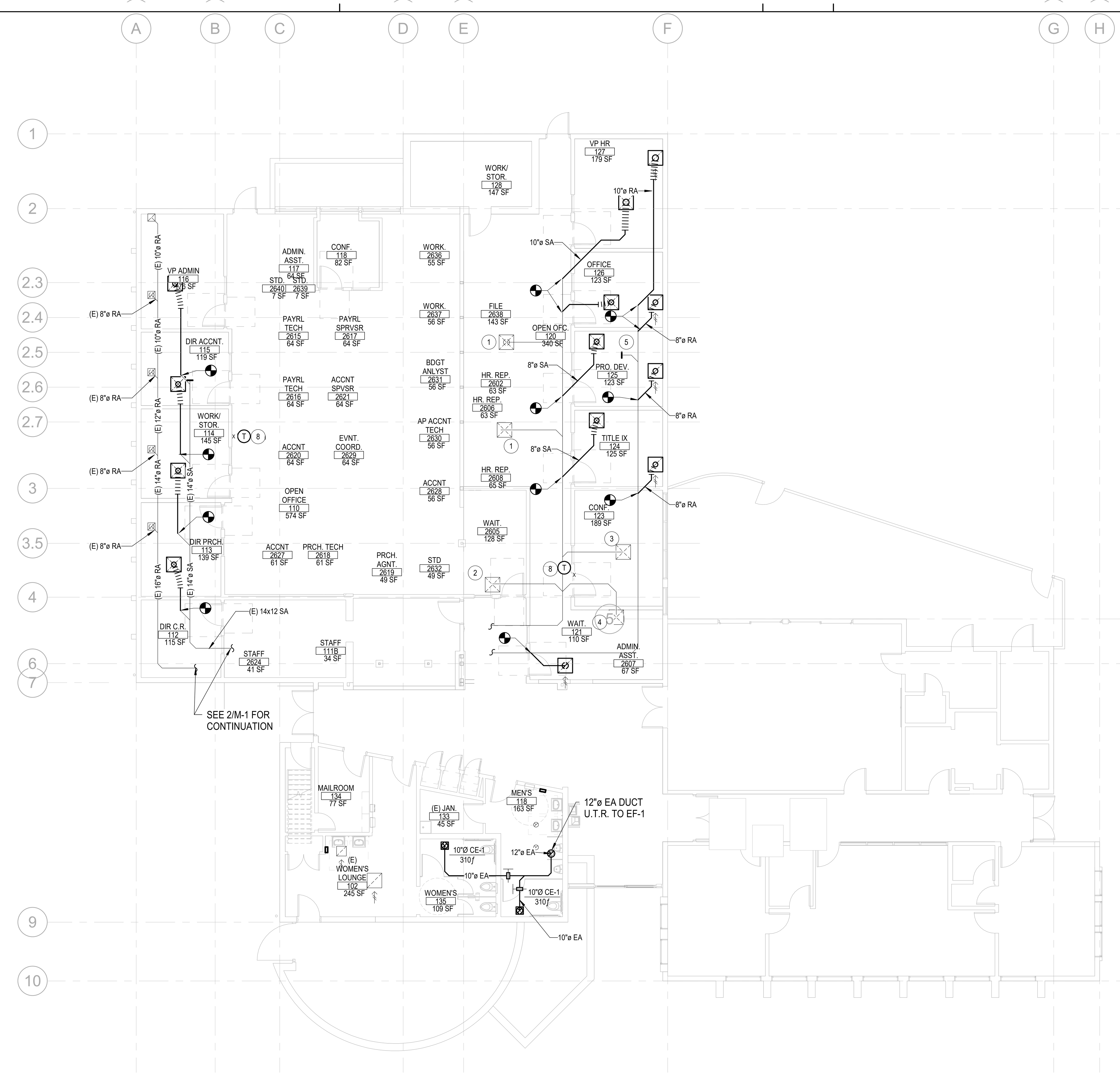


2ND FLOOR PLAN 2

SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'

NORTH



1ST FLOOR PLAN 1

SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'

NORTH

SHEET NOTES:

1.EXISTING DRAWINGS FOR THIS BUILDING WAS LIMITED TO ARCHITECTURAL DOCUMENTS AND STRUCTURAL DOCUMENTS.

2. PRIOR TO CONSTRUCTION BID CONTRACTOR SHALL PERFORM AN ONSITE FIELD INVESTICATION TO DETERMINE THE ACTUAL AND EXISTING HVAC SYSTEM NOT LIMITED TO DUCTING ROUTING, DIMENSION AND CONDITION.

3. SUBMIT ANY QUESTION AND RFI IF ANY, REGARDING EXISITING INSTALLATION IN LIEU OF THE DESIGN DOCUMENT FOR ANY DISCREPANCIES.

REMODEL KEY NOTES:

1. (E)CD BALANCE TO (N)350 CFM.
2. (E)CD BALANCE TO (N)180 CFM.
3. (E)CD BALANCE TO (N)250 CFM.
4. (E)CD BALANCE TO (N)250 CFM.
5. CAP DUCT OPENING.
6. 10"ø SOUND BOOTH RETURN AIR DUCT.
7. PAINT DUCT TO MATCH CEILING COLOR.
8. NEW T-STATS TO BE LOCATED IN APPROX. SAME LOCATION AS PREVIOSULY DEMO'D T-STATS. T-STATS TO BE MOUNTED 48" MAX FROM AFF. TO HIGHEST OPERABLE PART. PROVIDE MIN. 30"x48" CLEAR FLOOR SPACE FOR PERPENDICULAR OR PARALLEL APPROACH.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

CAPITAL ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00
PM - DESIGN TEAM PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER V. MERCADO
M 34011
EXP. 3/30/20
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: 08/28/2019

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number: 20987.00

file name: CC_Admin Remodel_Central.rvt

drawn by: CECI checked by: CM

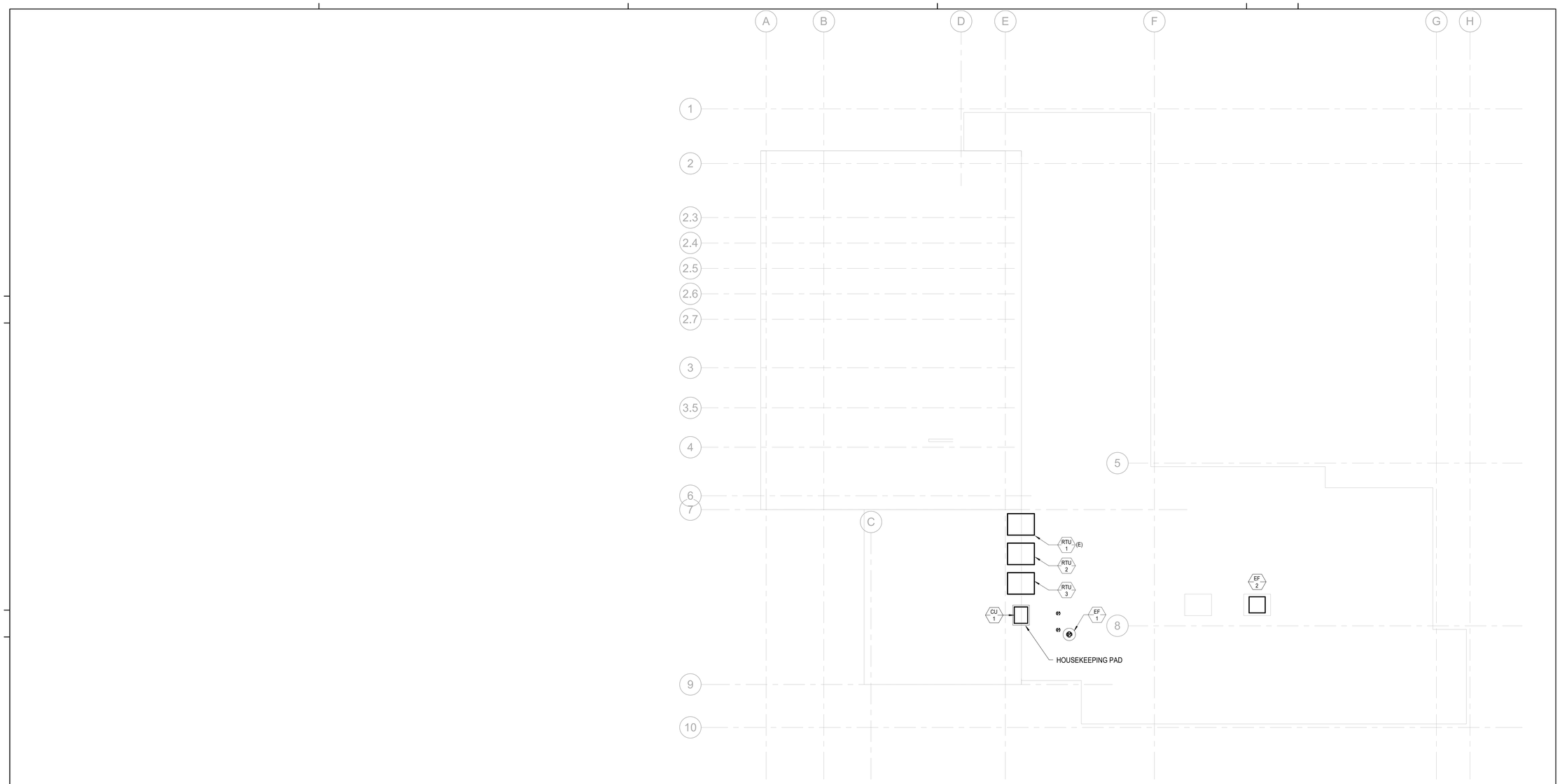
date: 8.29.2019

rev:	date:	description:

drawing title:
MECHANICAL REMODEL FLOOR PLANS

drawing no.:
M-1

drawing of



ROOF PLAN
SCALE 1/8" = 1'-0" 1

0' 2' 4' 8' 16'

NORTH

SHEET NOTES:

1.EXISTING DRAWINGS FOR THIS BUILDING WAS LIMITED TO ARCHITECTURAL DOCUMENTS AND STRUCTURAL DOCUMENTS.

2. PRIOR TO CONSTRUCTION BID CONTRACTOR SHALL PERFORM AN ONSITE FIELD INVESTICATION TO DETERMINE THE ACTUAL AND EXISTING HVAC SYSTEM NOT LIMITED TO DUCTING ROUTING, DIMENSION AND CONDITION.

3. SUBMIT ANY QUESTION AND RFI IF ANY, REGARDING EXISITING INSTALLATION IN LIEU OF THE DESIGN DOCUMENT FOR ANY DISCREPANCIES.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

agency

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

CAPITAL
ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA

RH - TS/SL/FR 170822.00

REGISTERED PROFESSIONAL ENGINEER
M 34011
EXPIRES 3/30/20
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED:

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number: 20987.00

file name:

drawn by: checked by:

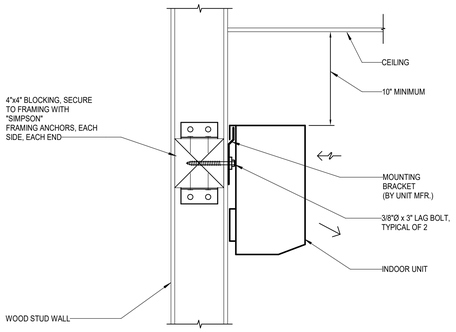
date: 8.29.19

rev:	date:	description:

drawing title:
MECHANICAL ROOF PLAN

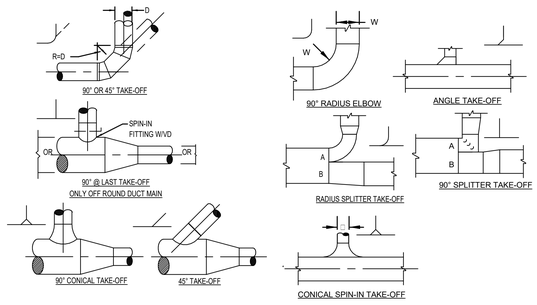
drawing no.:
M-3

drawing of



9 M-4 WALL MOUNTED FAN COIL UNIT

SCALE: 1" = 1'-0"

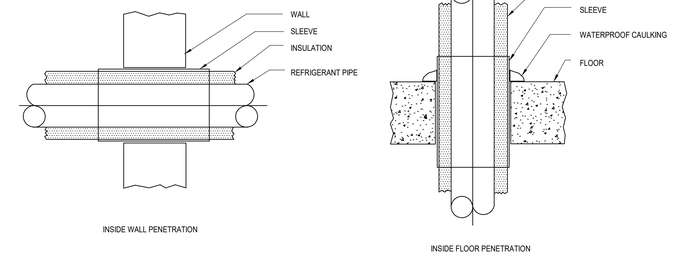


NOTES:

1. SINGLE-LINE ILLUSTRATIONS ARE SYMBOLS USED ON DRAWINGS.
2. SIZE A & B DIMENSIONS IN PROPORTION TO AIR QUANTITIES IN EACH LEGS OF SPLIT UNLESS OTHERWISE NOTED.

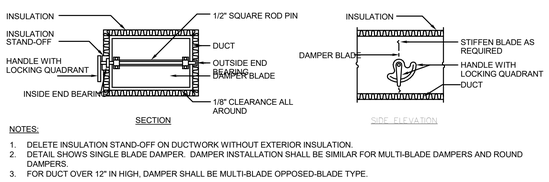
5 M-4 BRANCH DUCT DETAIL

SCALE: NONE



1 M-4 REFRIGERENT PIPE PENETRATION

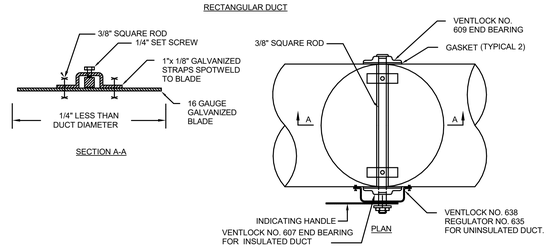
SCALE: NONE



NOTES:

1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS AND ROUND DAMPERS.
3. FOR DUCT OVER 12" IN HIGH, DAMPER SHALL BE MULTI-BLADE OPPOSED-BLADE TYPE.

RECTANGULAR DUCT



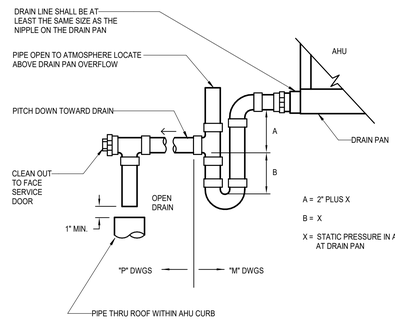
ROUND DUCT

NOTES:

1. FOR INACCESBLE CONDITION OR CEILING SPACE FOR DAMPER ADJUSTMENT AND BALANCING. PROVIDE AND INSTALL A YOUNG REGULATOR REMOTE CABLE SYSTEM OR ACCESS DOOR ABOVE THE VOLUME DAMPER.

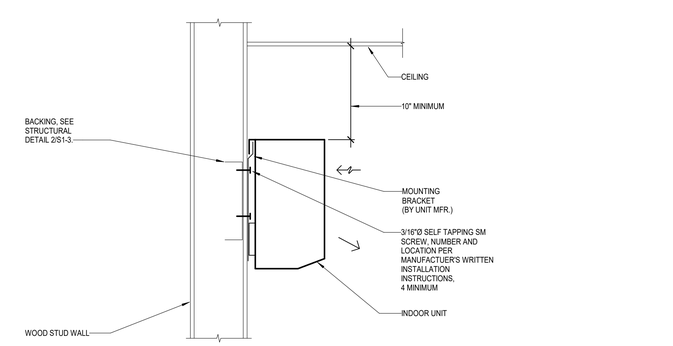
10 M-4 MANUAL VOLUME DAMPER DETAIL

SCALE: 12" = 1'-0"



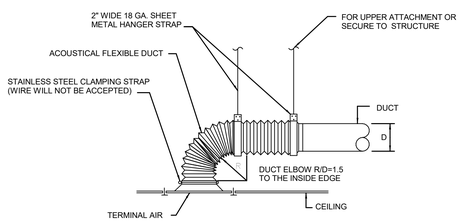
6 M-4 CONDENSATE DRAIN CONNECTION

SCALE: NONE



2 M-4 SPLIT SYSTEM FAN COIL UNIT MOUNTING

SCALE: 1" = 1'-0"

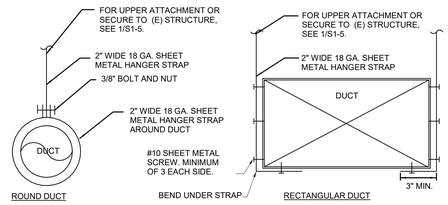


NOTES:

1. FLEXIBLE DUCT FOR DIFFUSER/GRILLE CONNECTION SHOWN. SIMILAR FOR TERMINAL UNIT CONNECTION.
2. FLEXIBLE DUCT SHALL NOT BE USE TO SERVE EXHAUST AIR SYSTEM. PROVIDE AND INSTALL RIGID DUCT MATERIAL.
3. FLEXIBLE DUCT MAX. LENGTH OF 5FT. & MAX. BEND OF ONE (1) 90 AIR DUCTS ONLY. HARD CONNECTION FOR RETURN & EXHAUST AIR DUCTS.

7 M-4 FLEXIBLE DUCT AND SUPPORT DETAIL

SCALE: NONE



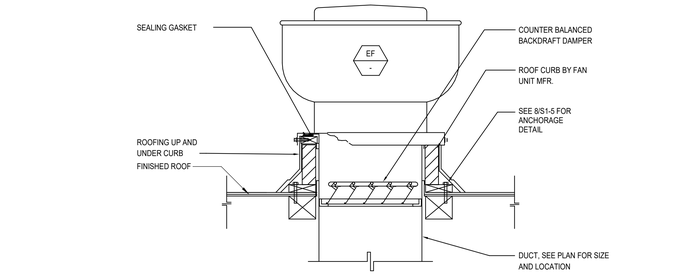
NOTE:

1. APPLICABLE FOR DUCTWORK LESS THAN 6 SQ.FT.

RETANGULAR DUCT			ROUND DUCT		
MAX. OF DUCT PERIMETER (INCH)	STRAP	MAX. LOAD EACH HANGER (LBS.)	DIAMETER (INCHES)	STRAP	MAX. LOAD EACH HANGER (LBS.)
P/2 =72	1"X 20 GA.	20	UP TO 20"	1"X 20 GA.	20
P/2 =96	1"X 18 GA.	30	21" TO 36"	1"X 18 GA.	30

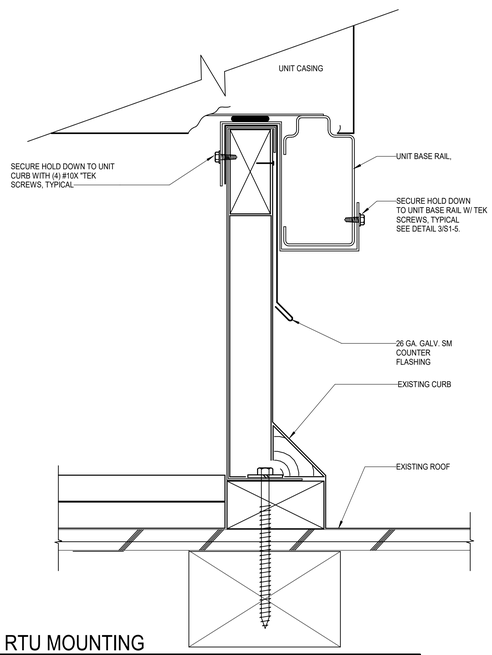
8 M-4 DUCT HANGER AND SUPPORT DETAIL

SCALE: NONE



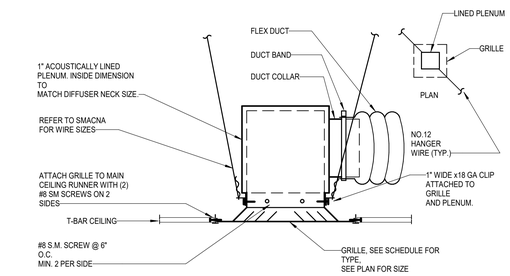
3 M-4 EXHAUST FANS MOUNTING

SCALE: NONE



12 M-4 RTU MOUNTING

SCALE: NONE



4 M-4 LAY-IN DIFFUSER/GRILLE MOUNTING

SCALE: NONE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

CAPITAL ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00

REGISTERED PROFESSIONAL ENGINEER
M 34011
EXPIRES 3/31/20
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED:

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

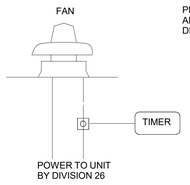
owner

tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19

rev:	date:	description:

drawing title:
MECHANICAL DETAILS

drawing no.:
M-4
drawing of



PROVIDED, POWERED
AND INSTALLED BY
DIVISION 26

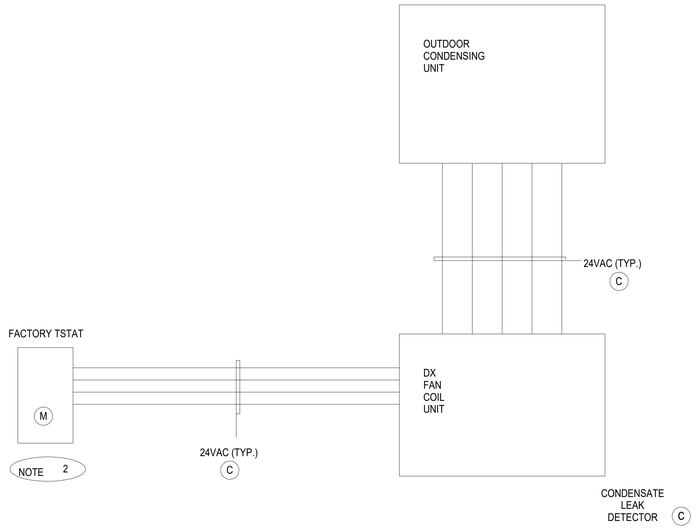
SEQUENCE OF OPERATION

FAN CONTROL
THE EXHAUST FAN WILL BE COMMANDED ON AND OFF WITH THE LIGHTS. THE BMS WILL DO NO CONTROL OR MONITORING OF THE FANS.

FAN TAGS:
SEE SCHEDULE

3 / M-5 EF CONTROL

SCALE: NONE



NOTES:

1. SPACE TEMP SENSOR TO BE CONNECTED TO DDC CONTROLLER. ALARM ON HIGH TEMPERATURE.
2. SPACE THERMOSTAT FURNISHED BY UNIT MANUFACTURER.

LEGEND:

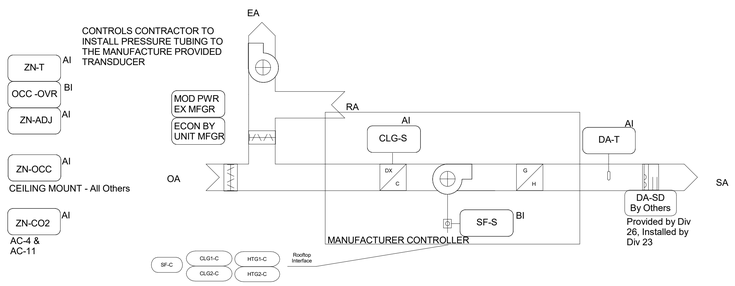
(E) = PROVIDED BY ELECTRICAL CONTRACTOR
(M) = PROVIDED BY MECHANICAL CONTRACTOR
(C) = PROVIDED BY CONTROLS CONTRACTOR

LOW VOLTAGE AC WIRING

(TYPICAL)

1 / M-5 CU/FCU-1 DX FAN COIL CONTROL DIAGRAM

SCALE: NONE



SUPPLY FAN CONTROL:
THE SUPPLY FAN (SF-C) WILL BE STARTED BASED ON OCCUPANCY SCHEDULE. WHEN THE SUPPLY FAN STATUS (SF-S) INDICATES THE FAN STARTED, THE CONTROL SEQUENCE WILL BE ENABLED. UPON A LOSS OF AIRFLOW (SF-S), THE SUPPLY FAN WILL ATTEMPT TO AUTOMATICALLY RESTART UNTIL POSITIVE STATUS IS RECEIVED.

SINGLE ZONE VAV (WHERE APPLICABLE - SEE SCHEDULE):
THE UNIT WILL STAGE THE SUPPLY FAN BASED ON COOLING STAGE, REDUCING THE FAN SPEED WHEN THERE IS NO CALL FOR COOLING (SETPOINT IS MET) AND WHEN THE INITIAL COOLING STAGE IS ENABLED. RAMP TO FULL SPEED (100%) WITH FULL COOLING.

ECONOMIZER CONTROL:
WHEN THE OUTDOOR AIR (OA-T) IS COOLER THAN THE ECONOMIZER SETPOINT (ECONSWO-SP), THE ECONOMIZER WILL ACT AS THE INITIAL STAGE OF COOLING, WORKING IN SEQUENCE WITH THE COOLING COIL. THIS WILL BE ACCOMPLISHED VIA THE MANUFACTURE PROVIDED T24 COMPLIANT ECONOMIZER CONTROLLER. THE OA DAMPER WILL MODULATE IN STEP WITH THE SA FAN TO MAINTAIN MINIMUM OA AIRFLOW VALUES DETERMINED DURING BALANCE.

TEMPERATURE CONTROL:
THE UNIT WILL CONTROL TO MAINTAIN THE LOCALLY ADJUSTABLE ZONE TEMPERATURE SETPOINT (ZN-SP) (WC-ADJ) AS SENSED BY THE ZONE TEMPERATURE (ZN-T) SENSOR.

OCCUPIED MODE:
THE OCCUPANCY MODE WILL BE CONTROLLED VIA A NETWORK INPUT (OCC-SCHEDULE). THE OCCUPANCY MODE CAN ALSO BE OVERRIDDEN BY A NETWORK INPUT (OCC-OVERRIDE). A TEMPORARY OCCUPANCY BUTTON (ZN-TOCC) ON THE ZONE SENSOR WILL PLACE THE UNIT IN OCCUPIED MODE FOR AN ADJUSTABLE TIME.

UNOCCUPIED MODE:
THE UNIT WILL CYCLE TO MAINTAIN UNOCCUPIED ZONE SETPOINTS (CLGUNOCC-SP & HTGUNOCC-SP) DURING UNOCCUPIED PERIODS.

COOLING COIL:
THE COOLING COIL (CLGX-C) WILL BE STAGED IN SEQUENCE TO MAINTAIN THE TEMPERATURE SETPOINT INITIALLY SET AT 73 AND VARIABLE AT THE ZONE FROM 73-77.

GAS HEATING COIL:
THE HEATING COIL (HTGX-C) WILL BE STAGED IN SEQUENCE TO MAINTAIN THE TEMPERATURE SETPOINT INITIALLY SET AT 69 AND VARIABLE AT THE ZONE FROM 65-69.

UNIT PROTECTION:
DISCHARGE AIR SMOKE DETECTOR (DA-SD) - DISABLES THE FAN(S) VIA A HARD WIRED SHUTDOWN CIRCUIT. SMOKE DETECTOR PROVIDED BY DIV 26 - INTERLOCKED TO CONTROLLER BY DIV 23

OCCUPANCY DETECTION (FOR UNITS WITHOUT CO2 CONTROL):
THE BMS SYSTEM SHALL MONITOR A CEILING MOUNTED ZONE OCCUPANCY SENSOR (ZN-OCC). WHEN IN OCCUPIED MODE - IF THE OCC SENSORS GOES DORMANT FOR A PERIOD OF 15 MIN, THE UNIT SHALL SWITCH TO "UNOCCUPIED" CONTROL. IF THE OCC SENSOR SENSES OCCUPANCY DURING OCCUPIED MODE - IT WILL IMMEDIATELY PUT THE UNIT IN "OCCUPIED" MODE. IF IN "UNOCCUPIED" MODE THE OCC SENSOR SENSES OCCUPANCY FOR A CONTINUOUS 10 MIN - THE UNIT SHALL OPERATE IN "OCCUPIED MODE" FOR A PERIOD OF 1 HOUR.

DEMAND CONTROL VENTILATION (FOR APPLICABLE UNITS - WITH CO2 SENSOR
THE CO2 SENSOR FOR DEMAND CONTROLLED VENTILATION - RESETTING THE ECONOMIZER MINIMUM POSITION TO 0.15 CFM/FT^2 BASED ON THE ZONE CO2 LEVEL. THE INITIAL SET CO2 SET POINT IS 1000 PPM.
MINIMUM ECONOMIZER POSITION TO BE DETERMINED DURING SYSTEM BALANCE.

ZONE PRESSURE CONTROL:
THE AC UNITS ARE EQUIPPED WITH A MODULATING POWER EXHAUST ECONOMIZER. THE MODULATING POWER EXHAUST ECONOMIZER WITH FACTORY PROVIDED CONTROLLER WILL MODULATE THE EXHAUST FAN TO MAINTAIN THE ZONE PRESSURE SETPOINT. THE CONTROLS CONTRACTOR IS TO RUN THE PRESSURE TUBING TO ENSURE FACTORY PROVIDED MODULATING POWER EXHAUST CONTROLLER IS READING ACCURATE VALUES.

2 / M-5 AC UNIT CONTROL

SCALE: NONE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726

agency

tBP
architecture
planning
interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

CAPITAL
ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00
M 34011
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED:

consultant

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

owner

tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19

rev:	date:	description:

drawing title:
CONTROLS

drawing no.:
M-5

drawing of

GREEN BUILDING CODE NOTES

1. A FINAL REPORT FOR THE TESTING AND ADJUSTING OF ALL NEW SYSTEMS SHALL BE COMPLETED PRIOR TO FINAL APPOROVAL BY THE FIELD INSPECTOR. THIS REPORT SHALL BE SIGNED BY THE INVIDIVIDUAL RESPONSIBLE FOR PERFORMING THESE SERVICES.
2. AN OPERATING & SYSTEMS MANUAL SHALL BE PROVIDED TO THE OWNER OR REPRESENTATIVE AND TO THE FIELD INSPECTOR AT THE TIME OF FINAL INSPECTION.
3. IF THE NEW HVAC SYSTEM IS USED DURING CONSTRUCTION, USE RETURN AIR FILTERS WITH A MERV OF 8. REPLACE ALL FILTERS IMEEDIATELY PRIOR TO OCCUPANCY.
4. ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENING SHALL BE COVERED WITH TAPE, PLASTIC, OR SHEET METAL UNTIL THE FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT.
5. THE HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT SHALL NOT CONTAIN CFC OR HALONS.
6. HVAC AND WATER SYSTEMS TO BE BALANCED PER AABBC STANDARDS.
7. SYSTEM DESCRIPTION: HVAC SYSTEM CONSIST OF MULTIPLE ZONE VARIABLE VOLUME & CONSTANT VOLUME AIR HANDLING SYSTEMS AND STAND ALONE SPLIT SYSTEM DX UNITS.

DSA NOTES

1. ALL WORK SHALL CONFORM TO 2016 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. THE SCOPE OF WORK; CLEARLY INDICATED THE SCOPE OF WORK ON THE COVER SHEET OR GENERAL NOTE SHEET OF THE DRAWINGS.
3. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.
4. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
5. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
6. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
7. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24; CCR)
8. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

GENERAL NOTES

1. ACCESS PANELS SHALL BE PROVIDED AS NECESSARY TO PROPERLY ACCESS THE PLUMBING SYSTEM INCLUDING VALVES, REFER TO SPECIFICATION SECTION 08310. ARCHITECT TO APPROVE TYPE/FINISH PRIOR TO INSTALLATION.
2. OFFSET VENT THROUGH ROOFS 10'-0" MINIMUM FROM AIR INTAKES AND 4'-0" FROM OUTSIDE WALLS.
3. HVAC EQUIPMENT IS SHOWN FOR THE COORDINATION OF UTILITIES ONLY. REFER TO 'M' SHEETS FOR MORE INFORMATION.
4. THE CONNECTION OF CONDENSATE DRAIN LINES TO HVAC EQUIPMENT SHALL INCLUDE A MINIMUM 4" DEEP "P"-TRAP AND PLUGGED TEE AT ALL OFFSETS.
5. PROVIDE WATER HAMMER ARRESTORS (WHA) AS INDICATED ON PLUMBING PLANS AND AS DESCRIBED WITHIN DIVISION 22 SPECIFICATIONS. SIZING SHALL BE IN ACCORDANCE WITH PDI STANDARD WH-201.
6. FOR PIPES PASSING THROUGH, UNDER OR PARALLEL TO BUILDING FOOTINGS, RETAINING WALLS ETC. REFER TO STRUCTURAL DETAILS, 'S' SHEETS, FOR TYPICAL ARRANGEMENT.
7. CONTRACTOR SHALL FIELD VERIFY ALL POINTS OF CONNECTION TO SITE PIPING (LOCATIONS AND INVERT) PRIOR TO EXCAVATION, FABRICATION AND INSTALLATION OF ASSOCIATED PIPING RUNS. NOTIFY THE PROJECT ARCHITECT AND CIVIL ENGINEER IMMEDIATELY IF POINTS OF CONNECTION OR INVERTS ARE DIFFERENT THAN REPRESENTED ON THE DRAWINGS.
8. OFFSET ALL RISERS AND DROPS TO AVOID PENETRATIONS AT STRUCTURAL TOP PLATES.
9. PENETRATION OF PIPES, CONDUIT, ETC., IN WALLS AND/OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. MATERIAL SHALL BE A UL LISTED & TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
10. SEAL ALL PIPE PENETRATIONS THRU FLOORS WATERTIGHT.
11. DRAWINGS SHALL BE CONSIDERED DIAGRAMMATIC ONLY. CONTRACTOR SHALL FIELD VERIFY WHERE POSSIBLE, EXACT LOCATIONS, SIZES, AND ELEVATIONS OF ALL ITEMS SHOWN PRIOR TO THE INSTALLATION OF ANY NEW WORK.
12. THE DRAWINGS ARE NOT INTENDED TO SHOW EVERY OFFSET OR FITTING OR EVERY STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF THE WORK. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT THE JOB SITE AND SHALL HAVE THE APPROVAL OF THE ARCHITECT BEFORE BEING INSTALLED.
13. ALL VALVES SHOWN SHALL BE FULL LINE SIZE UNLESS OTHERWISE NOTED.
14. CLOSELY COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO TRENCHING OR INSTALLATION OF NEW. IDENTIFY SIZE AND LOCATIONS OF ALL PENETRATIONS THROUGH FOUNDATIONS, WALLS OR ROOFS PRIOR TO FABRICATION OF ANY SYSTEMS OR ORDERING MATERIALS AFFECTED BY POSSIBLE COORDINATION CONFLICTS.
15. CONCRETE ANCHORS SHALL BE HILTI, KWIK BOLT TZ 3/8" - SEE STRUCTURAL PLAN, S1.1.
16. PIPING SHALL BE SUPPORTED AND BRACED IN STRICT COMPLIANCE WITH DIVISION 22 SPECIFICATIONS.
17. PENETRATION OF PIPES, CONDUITS, ETC., IN WALLS AND/OR FLOORS REQUIRING PROTECTED OPENINGS SHALL BE FIRE STOPPED. MATERIAL SHALL BE A TESTED ASSEMBLY APPROVED BY THE STATE FIRE MARSHAL.
18. ALL NEW SANITARY WASTE PIPING SHOWN SHALL BE SLOPED AT 1/4" PER FOOT MINIMUM UNLESS OTHERWISE NOTED ON PLANS. WHERE SLOPES LESS THAN 1/4" PER FOOT ARE INDICATED, CONTRACTOR SHALL SLOPE NEW PIPING UNIFORMLY BETWEEN UPPER TERMINAL OF PIPE AND THE POINT OF CONNECTION TO THE SITE PIPING (AS INDICATED ON THE CIVIL PLANS) TO ACHIEVE MAXIMUM SLOPE POSSIBLE AND IN NO CASE SHALL THE PIPING BE SLOPED LESS THAN THE MINIMUM INDICATED.
19. CONCEAL ALL PIPING IN WALL FURRING, PARTITIONS, ETC., EXCEPT AT MECHANICAL ROOMS.
20. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND EXACT LOCATIONS OF PLUMBING FIXTURES.
21. THE CONNECTION OF NATURAL GAS LINES TO HVAC EQUIPMENT SHALL, BE FULL LINE SIZE & INCLUDE A LINE SIZE UNION, GAS SHUT-OFF VALVE AND A MINIMUM 6" LONG DIRT LEG WITH ACCESSIBLE END CAP.
22. PIPE, PLUMBING FITTINGS, FIXTURES, SOLDER AND FLUX SHALL COMPLY WITH LEAD FREE REQUIREMENTS OF THE CALIFORNIA HEALTH AND SAFETY CODE SECTION 116875. PROVIDE PRODUCTS LISTED AND LABELED AS COMPLYING WITH NSF 61, ANNEX G, OR PROVIDE OTHER EVIDENCE OF COMPLIANCE WITH THE CALIFORNIA HEALTH AND SAFETY CODE SECTION 116875. PROVIDE PRODUCT SUBMITTAL INFORMATION PROVING COMPLIANCE WITH LEAD FREE REQUIREMENTS. ALSO REFER TO SPECIFICATION SECTIONS 22 00 50, 22 10 00 AND 22 40 00.

PIPING, DUCTWORK & ELECTRICAL DISTRIBUTION SYSTEM EMBRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2016 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON PREAPPROVED INSTALLATION GUIDE (e.g., SMACNA OR OSHPD OPM). COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

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

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

MP ☐ MD ☐ PP ☒ E ☐ — OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM #) #_0043-13_____

MP ☐ MD ☐ PP ☐ — OPTION 3: SHALL COMPLY WITH THE SMACNA SEISMIC RESTRAINT MANUAL. OSHP EDITION (2009), INCLUDING ANY ADDENDA. FASTENERS AND OTHER ATTACHMENTS NOT SPECIFICALLY IDENTIFIED IN THE SMACNA SEISMIC RESTRAINT MANUAL, OSHPD EDITION, ARE DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. THE DETAILS SHALL ACCOUNT FOR THE APPLICABLE SEISMIC HAZARD LEVEL ____ AND CONNECTION LEVEL ____ FOR THE PROJECT AND CONDITIONS.

PLUMBING SHEET LIST

SHEET NUMBER	SHEET TITLE
P-0.1	LEGEND, ABBR., & GENERAL NOTES
P-0.2	PLUMBING SCHEDULES
P-1	PLUMBING REMODEL FLOOR PLANS
P-3	PLUMBING ROOF PLAN
P-4	PLUMBING DETAILS
PD-1	PLUMBING DEMO PLANS

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	ABV CLG	ABOVE CEILING
	BFP	BACKFLOW PREVENTER ASSEMBLY
	BLV	BALANCING VALVE
	BLW	BELOW
	BV	BALL VALVE
		BRANCH - TOP CONNECTION
		BRANCH - BOTTOM CONNECTION
or		BRANCH - SIDE CONNECTION
	COP	CAP ON END OF PIPE
	RD	ROOF DRAIN
CL		CENTER LINE
	CKV	CHECK VALVE
	CW	COLD WATER
CD	CD	CONDENSATE DRAIN LINE
CO CO	CO	CLEANOUT
°F		DEGREES FAHRENHEIT
F	F	FIRE PROTECTION WATER SUPPLY
	FR	FROM
	FU	FIXTURE UNIT
	FU	FIXTURE UNIT
∅	CO	CLEANOUT
	FD	FLOOR DRAIN
	FS	FLOOR SINK
		FLOW IN DIRECTION OF ARROW
FV , FT		FLUSH VALVE , FLUSH TANK
(FA) , (TA)		FROM ABOVE , TO ABOVE
(FB) , (TB)		FROM BELOW , TO BELOW
	GSOV	GAS SHUT-OFF VALVE
	HDR	HEADER
NGLP	NGLP	NATURAL GAS - LOW PRESSURE
MPG	MPG	NATURAL GAS - MEDIUM PRESSURE
R	GPR	GAS PRESSURE REGULATOR
	GV	GREASE VENT
	GPM	GALLONS PER MINUTE
∅	CO	CLEANOUT
GW	GW	GREASE WASTE PIPING
	HB	HOSE BIBB
	HW	HOT WATER PIPING
	HWR	HOT WATER RETURN PIPING
	(N) , (E)	NEW , EXISTING
	(NTS)	NOT TO SCALE
	OH	OVERHEAD
	OD	OVERFLOW DRAIN
		PIPING TO BE REMOVED
	POC	POINT OF CONNECTION
	PG	PRESSURE GAUGE
P & TRV	P & TRV	PRESSURE & TEMPERATURE RELIEF VALVE PIPING
RWL	RWL	RAINWATER LEADER
	IE.:	INVERT ELEVATION
	(R) , (D)	RISE , DROP
		RISER DOWN (ELBOW)
		RISER UP (ELBOW)
	(R) (D)	RISE OR DROP
	S, W	SOIL, WASTE OR SANITARY SEWER ABOVE FLOOR
	S, W	SOIL, WASTE OR SANITARY SEWER BELOW FLOOR
	SMR	SIMILAR
	SV	SOLENOID VALVE WITH MOTOR ACTUATOR
SD	SD	STORM DRAIN
SS	SS	SANITARY SEWER
	TH	THERMOMETER
	TP w/AD	TRAP PRIMER VALVE IN WALL BOX WITH ACCESS DOOR. SEE PLUMBING DETAILS.
TP		TRAP PRIMER PIPING
	(TYP.)	TYPICAL
	UN	UNION OR FLANGE
	VB	VALVE IN VALVE BOX (REFER TO SPECIFICATIONS FOR VALVE TYPE).
	V	VENT PIPING
V , VR , VTR		VENT , VENT RISER , VENT THRU ROOF
	WCO	WALL CLEANOUT
	WHA	WATER HAMMER ARRESTER
	TDL	TOTAL DEVELOPED LENGTH

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

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

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

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

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP
architecture planning interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

CAPITAL
ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00
PM - DESIGN TEAM PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER V. MERCURIO
M 34011
EXPIRES 3/30/20
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED: ____________
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221
owner

tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19
rev: date: description:

drawing title:
LEGEND, ABBR., & GENERAL NOTES

drawing no.:
P-0.1
drawing of

PLUMBING FIXTURE SPECIFICATION & CONNECTION SCHEDULE

ADA	SYMBOL	FIXTURE	FIXTURE MANUFACTURER AND MODEL No.	FAUCET OR VALVE MANUFACTURER AND MODEL No.	TRIM MANUFACTURER AND MODEL No.	REMARKS	VENT	WASTE		COLD WATER		HOT WATER	
								BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
	WC-1	WATER CLOSET WALL MOUNTED FLUSH VALVE	"KOHLER" KINGSTON 1.28, NO. K-4325, WALL HUNG, VITREOUS CHINA, ELONGATED, SIPHON JET ACTION, 1-1/2" TOP SPUD. 1.28 GPF	"SLOAN" ROYAL 111 HET 1.28, ADA COMPLIANT, 1.28 GPF (MANUAL)	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF- SUSTAINING CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POST HINGES, WHITE COLOR. CARRIER: "JAY R. SMITH" 100 OR 200 SERIES OR 500# RATED "ZURN" Z1201 AND Z1202 SERIES PROVIDE REAR SUPPORT LUG AND ANCHOR FOOT ASSEMBLY.	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/4"	1"	--	--
	WC-2	WATER CLOSET WALL MOUNTED FLUSH VALVE ACCESSIBLE	"KOHLER" KINGSTON 1.28, NO. K-4325, WALL HUNG, VITREOUS CHINA, ELONGATED, SIPHON JET ACTION, 1-1/2" TOP SPUD. 1.28 GPF	"SLOAN" ROYAL 111 HET 1.28, ADA COMPLIANT, 1.28 GPF (MANUAL)	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF- SUSTAINING CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POST HINGES, WHITE COLOR. CARRIER: "JAY R. SMITH" 100 OR 200 SERIES OR 500# RATED "ZURN" Z1201 AND Z1202 SERIES PROVIDE REAR SUPPORT LUG AND ANCHOR FOOT ASSEMBLY.	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/4"	1"	--	--
	UR-1	URINAL WALL MOUNTED FLUSH VALVE ACCESSIBLE	"KOHLER" BARDON 1/8 GPF NO. K-4991-ET WALL HUNG, VITREOUS CHINA, SIPHON JET ACTION. 3/4" TOP SPUD, 2" THREADED OUTLET. .125 GPF	"SLOAN" ROYAL HEU 186-0.125, 0.125 GPF (MANUAL)	CARRIER: "JAY R. SMITH" 637 SERIES OR "ZURN" Z1222	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS.	1-1/2"	2"	2"	1"	3/4"	--	--
	L-1	LAVATORY WALL MOUNTED HOT AND COLD WATER STD/ACCESSIBLE	"KOHLER" KINGSTON NO. K-2005 WALL HUNG, VITREOUS CHINA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, FRONT OVERFLOW, CONCEALED ARM RECESS, 4" CENTERS, 21-1/4" x 18-1/8" D SHAPED BOWL.	"CHICAGO" 3600-E2805AB FAUCET, PUSH LEVER WITH AERATOR WITH 0.5 GPM FLOW RATE. WITH VANDAL RESISTANT ECONO-FLO SPRAY OUTLET. WITH IPS CONNECTIONS, ADA COMPLIANT.	ADA COMPLIANT. INSTALL INSULATION PROTECTION FOR EXPOSED PIPES AND FITTINGS UNDER FIXTURE LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.018, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL. CARRIER: "JAY R. SMITH" 0700 OR ZURN Z1231	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT SECURELY ANCHORED TO FLOOR. IN ADDITION ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	S-1	SINK COUNTER MOUNTED HOT AND COLD WATER	"JUST" SL-ADA-2131-A-GR 21" FRONT TO BACK, 31" WIDE x 6" DEPTH OVERALL. 18 GAUGE STAINLESS STEEL, LEDGE BACK WITH SELF- RIM. PROVIDE 3 HOLES FAUCET HOLE. PROVIDE CENTER REAR DRAIN LOCATION, FACTORY ADHERED VANDAL RESISTANT BACKING PLATE AT FAUCET, AND SLOT AT FAUCET FOR VANDAL RESISTANT BACKING PLATE SHALL BE 14 GA SS FORMED AS CHANNEL.	"CHICAGO" ECAST MODEL 201-AE35-317XKABCP GOOSENECK FAUCET, 1.5 GPM VANDAL RESISTANT, FLOW AERATOR AND RIGID/SWING FAUCET, 4" CENTER. PROVIDE VANDAL RESISTANT PIN IN FAUCET, ARRANGED TO MATE WITH SLOT IN SINK.	"JUST" J-ADA-35-SSF-VR DRAIN SYSTEM. INSTALL P-TRAP FLUSH TO WALL. "JUST" JTS-150 P-TRAP, SWIVEL STYLE WITH CLEAN OUT ADA COMPLIANT. INSTALL INSULATION PROTECTION FOR EXPOSED PIPES AND FITTINGS UNDER FIXTURE		1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	SS-1	SERVICE SINK FLOOR MOUNTED HOT AND COLD WATER	"ACORN TCR-28, TERRAZO-WARE, 28"X28"X12" DEEP FLOOR MOUNTED, TERRAZZO WITH STAINLESS STEEL CAP. UNIT SHALL INCLUDE MODEL KH36 HOSE WITH WALL HANGER, KMH MOP HANGER WITH 3 SPRING LOADED GRIP ON A STAINLESS STEEL BRACKET.	"CHICAGO" MODEL 897-CP WALL MOUNTED POLISHED CHROME FAUCET WITH VACUUM BREAKER, ADJUSTABLE TOP BRACE AND 3/4" MALE THREADED HOSE OUTLET.		AS PART OF ROUGH-IN FOR FAUCET, PROVIDE SUITABLE BLOCKING FOR TOP BRACE. PROVIDE CAP WITH FLANGE ON. SIDES ADJACENT TO WALLS.	2"	3"	3"	3/4"	3/4"	3/4"	3/4"
	HB-1	HOSE BIBB	EXTERIOR WALL MOUNTED - ACORN MODEL 8121CR-LF	WITH INTEGRAL VACUUM BREAKER PROTECTED, CARTRIDGE OPERATED HOSE VALVE WITH LOCK SHIELD BONNET AND REMOVABLE KEY HANDLE.		SET HEIGHT AT 18" ABOVE FINISHED FLOOR	-	-	-	3/4"	3/4"	-	-
	TP-1	TRAP PRIMER	MIFAB "M-500" SERIES, PRECISION PLUMBING PRODUCTS "PRIME-RITE" OR SIOUX CHIEF MANUFACTURING CO. "PRIME PERFECT"				-	-	-	1/2"	1/2"	-	-
	FD-1	FLOOR DRAIN	GENERAL SERVICE FD - ZURN MODEL Z-415, OR EQUAL, WITH TYPE "B" STRAINER FOR EXPOSED CONCRETE AND TYPE "S" STRAINER FOR TILE FLOOR. PROVIDE BRONZE TRIM.				2"	2"	2"	-	-	-	-
	DF-1	DRINKING FOUNTAIN WALL MOUNTED STD/ACCESSIBLE HIGH-LOW	"HAWS" NO. 1119 WALL MOUNTED BARRIER-FREE DRINKING FOUNTAIN, 18 GAUGE STAINLESS STEEL WITH FRONT ACCESSIBLE CARTRIDGE. VANDAL RESISTANT BUBBLER HEADS, WASTE STRAINER AND BOTTOM PLATES. POLISHED CHROME-PLATED WITH 1-1/4" INTEGRAL TRAPS.			SUPPORT SYSTEM: MOUNTING PLATE "HAWS" 6700.4 AND SUPPORT CARRIER "HAWS" 6800. PROVIDE MANUFACTURER'S INTERNAL SUPPORT SYSTEM WHERE INSTALLED ON CONCRETE O CMU WALL. SET AT HEIGHT INDICATED ON ARCH DWGS.	1-1/2"	2"	1-1/2"	3/4"	1/2"	-	-

GAS WATER HEATER SCHEDULE

UNIT	LOCATION	"MFR" MODEL NO.	QTY.	STORAGE CAPACITY GALLONS	MBTU INPUT	RECOVERY GALLONS @ 90°F RISE	MAX. TEMP SETTING	GAS CONN	VOLTAGE	WEIGHT (FULL)	PIPING DETAIL	MOUNTING DETAIL	NOTES
GWH 1	JANITOR RM ROOM 113	LOCHINVAR GTN040 40B	1	40	40	42	120	3/4"	120V/1∅	466 LBS.	6 P7-01	3 P7-02	80% THERMAL EFF.,MEETS SCAQMD RULE 1146.2 DIMENSION: 64"HIGH x 18"DIA.

EXPANSION TANK SCHEDULE

UNIT	LOCATION	QTY	"MFR" MODEL NO.	VOLUME	GALLONS	DETAIL	NOTES
ET 1	JANITOR RM ROOM 113	1	AMTROL THERM-X-TROL ST-5C	--	4.4	6 P7-01	--

CIRCULATING PUMP SCHEDULE

UNIT	LOCATION	QTY	"MFR" MODEL NO.	GPM	FT OF HEAD	HP	VOLT/PH/HZ	CONTROLS	NOTES
CP 1	JANITOR RM ROOM 113	1	GRUNDFOS ALPHA	5	10	1/25	115/1/60HZ	7-DAY/24-HR TIME CLOCK W/ AQUASTAT	WT LBS

Cold Water Calc

DESIGN CRITERIA

Total estimated demand (GPM) from fixture calc sheet: **49**

1. Pressure @ Street Main (Static Pressure - information can be aquired from the local Water Purveyor)		Static Pressure=70 PSI	**49**
2. Pressure loss due to height (from buried depth below grade to the highest most point in the system - above ceiling, floor level of a multi-story building, etc...)	**15**	ft. x .434	**6.51**
3. Pressure loss thru meter (Note: losses may vary from 2 PSI up to 5 PSI - verify meter type and losses with the local Water Purveyor)		N/A	**0**
4. Pressure loss thru other devices (i.e., BFP) (Note: losses may vary from 8 PSI up to 15 PSI - verify BFP type and losses with the local Water Purveyor)			**0**
5. Total pressure loss (add lines 2, 3 & 4)			**6.51**
6. Pressure required at highest fixture (Note: 20 PSI for a Flush Tank Water Closet and 25 PSI for a Flush Valve Water Closet)			**30**
7. Pressure available for Friction Loss (line1-line 5-line 6)			**12.49**
8. Total developed length of run (Note: Add an addition 25% of total pipe length to account for equivalent length of fittings and vales).			**80**

FRICTION LOSS CALCULATION

from line 7 **12.49** / from line 8 **80** PSI X 100 = **15.61** PSI/100 ft. (Use 3# / 100 ft. loss)

NOTE : IF YOU END UP WITH A (-) NEGATIVE VALUE, A BOOSTER PUMP WILL BE REQUIRED. IF SO, REFER TO BOOSTER PUMP CALCULATION SHEET.

Cold Water Service Required: **2"**

Water meter size required, based on above demand: **N/A** **(Water Meter at Site Loop)**

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

CAPITAL ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00
PM - DESIGN TEAM PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER CHRISTOPHER V. MERCURIO M 34011 EXPIRES 3/30/20 MECHANICAL STATE OF CALIFORNIA

DATE SIGNED:
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19
rev: date: description:

drawing title:
PLUMBING SCHEDULES

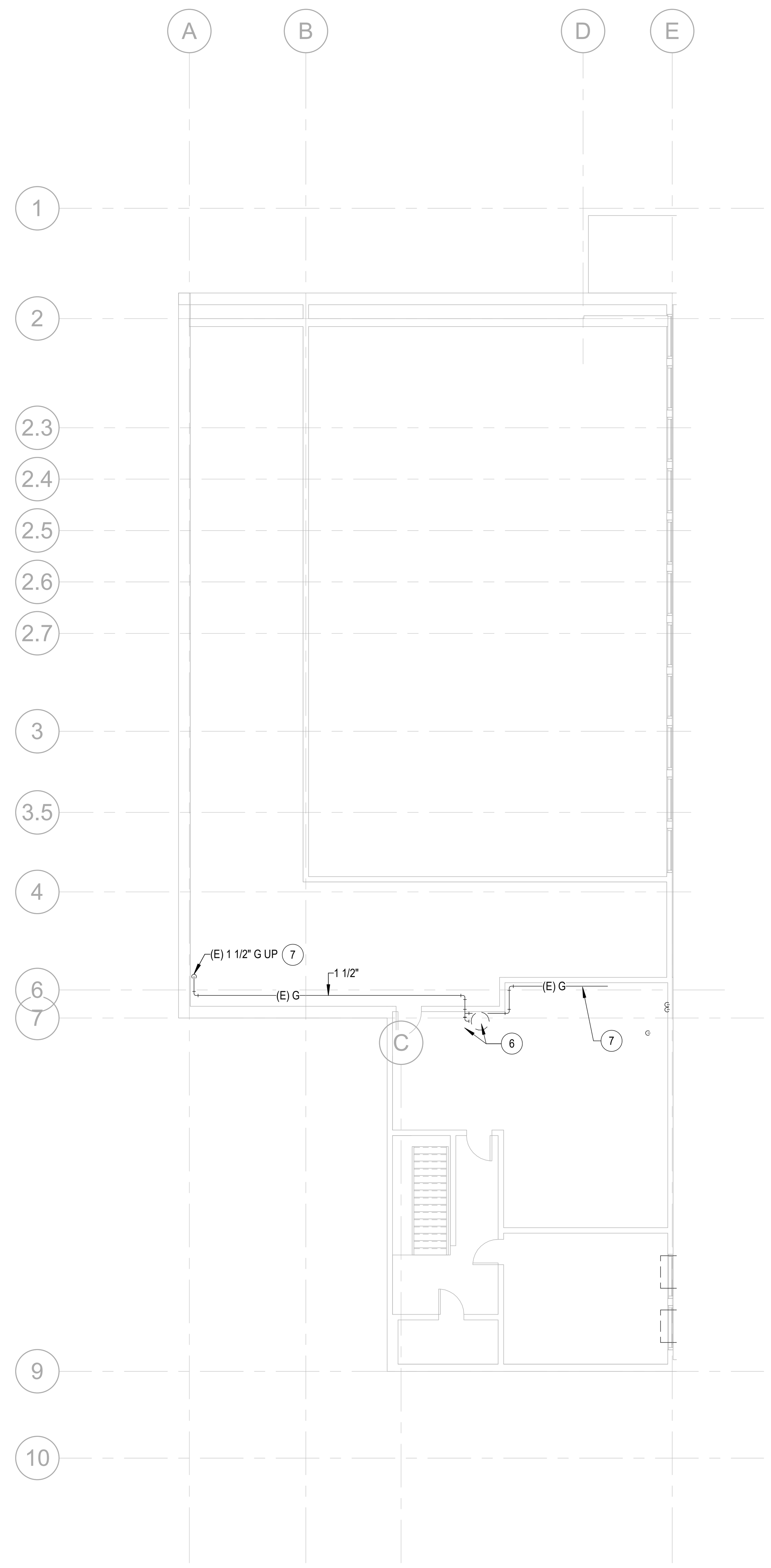
drawing no.:
P-0.2
drawing of

DEMOLITION KEY NOTES:

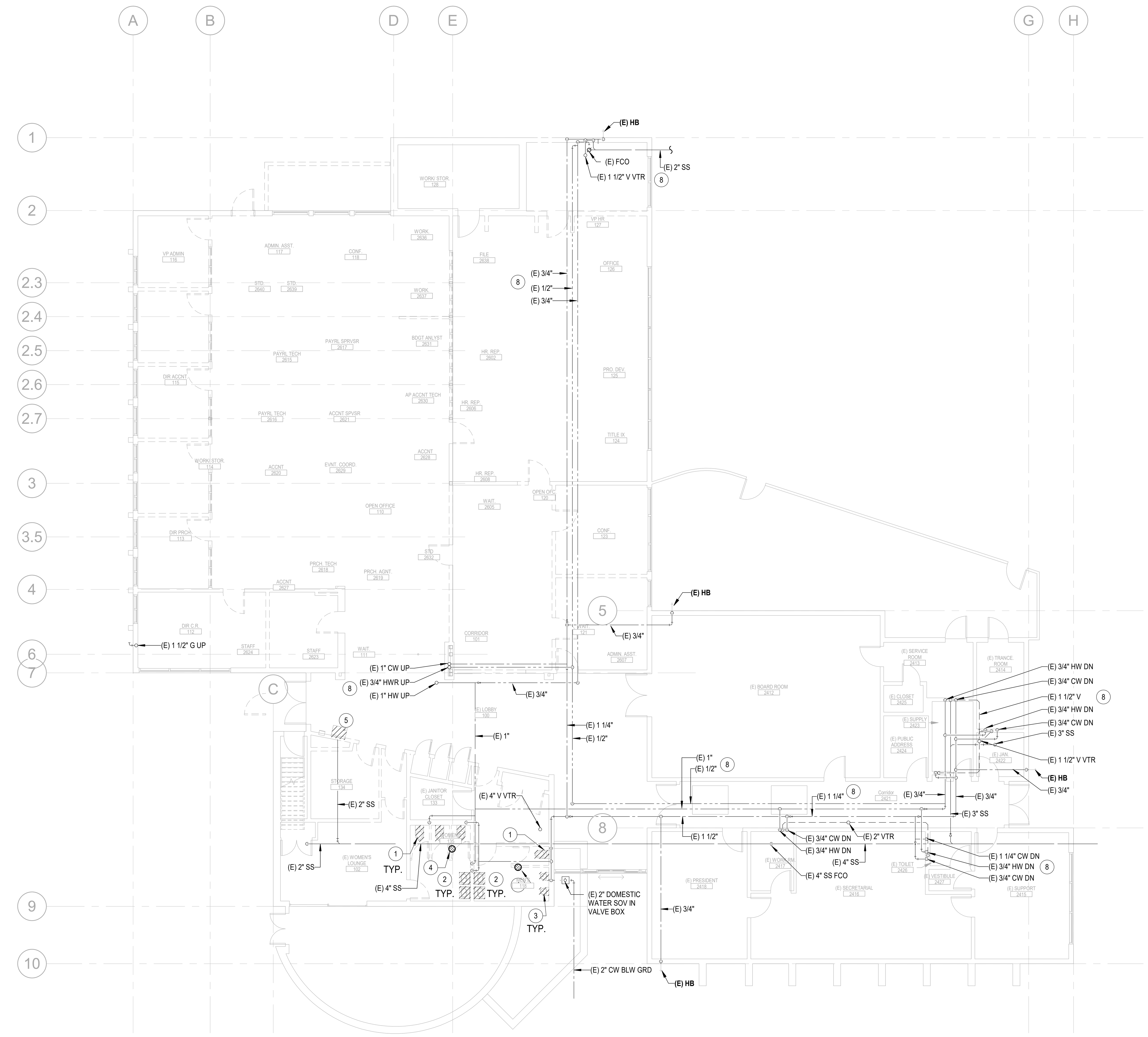
1. (E) WATER CLOSET TO BE REMOVED, RELATED WASTE, VENT, WATER PIPING TO BE DEMOLISHED BELOW FLOOR AND ABOVE CEILING.
2. (E) LAVATORIES TO BE REMOVED, RELATED WASTE, VENT, WATER PIPING TO BE DEMOLISHED BELOW FLOOR AND ABVE CEILING.
3. (E) URINAL TO BE REMOVED, RELATED WASTE, VENT, WATER PIPING TO BE DEMOLISHED BELOW FLOOR AND ABOVE CEILING.
4. (E) FLOOO DRAIN TO BE REMOVED, RELATED WASTE & VENT PIPING TO BE DEMOLISHED BELOW FLOOR AND ABOVE CEILING.
5. (E) DRINKING FOUNTAIN TO BE REMOVED, RELATED WASTE, VENT & WATER PPING TO BE DEMOLISHED BELOW FLOOR AND ABVE CEILING.
6. (E) GAS WATER HEATER AND RELATED WATER, GAS PIPING TO BE DEMOLISHED. (E) FLUE TO BE REMOVED AND REPLACED.
7. (E) GAS PIPING TO REMAIN IN PLACE.
8. (E) PIPING TO REMAIN IN PLACE.

GENERAL NOTES:

1. CONTRACTORS SHALL PERFORM FIELD INVESTIGATION OF EXISTING CONDITIONS BEFORE BEGINNING DEMOLITION WORKS AND SHALL INCLUDE IN THE BID THE COSTS OF FIELD INVESTIGATION, SELECTIVE DEMOLITION AND UTILITY LOCATIONS IN THE AREA OF DEMOLITION.



2ND FLOOR DEMO PLAN (2)
SCALE 1/8" = 1'-0"



1ST FLOOR DEMO PLAN (1)
SCALE 1/8" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP
architecture
planning
interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

CAPITAL ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00
PM - DESIGN TEAM PROJECT NO.
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER V. MERCURIO
M 34011
EXPIRES 3/30/20
MECHANICAL
STATE OF CALIFORNIA
DATE SIGNED:
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

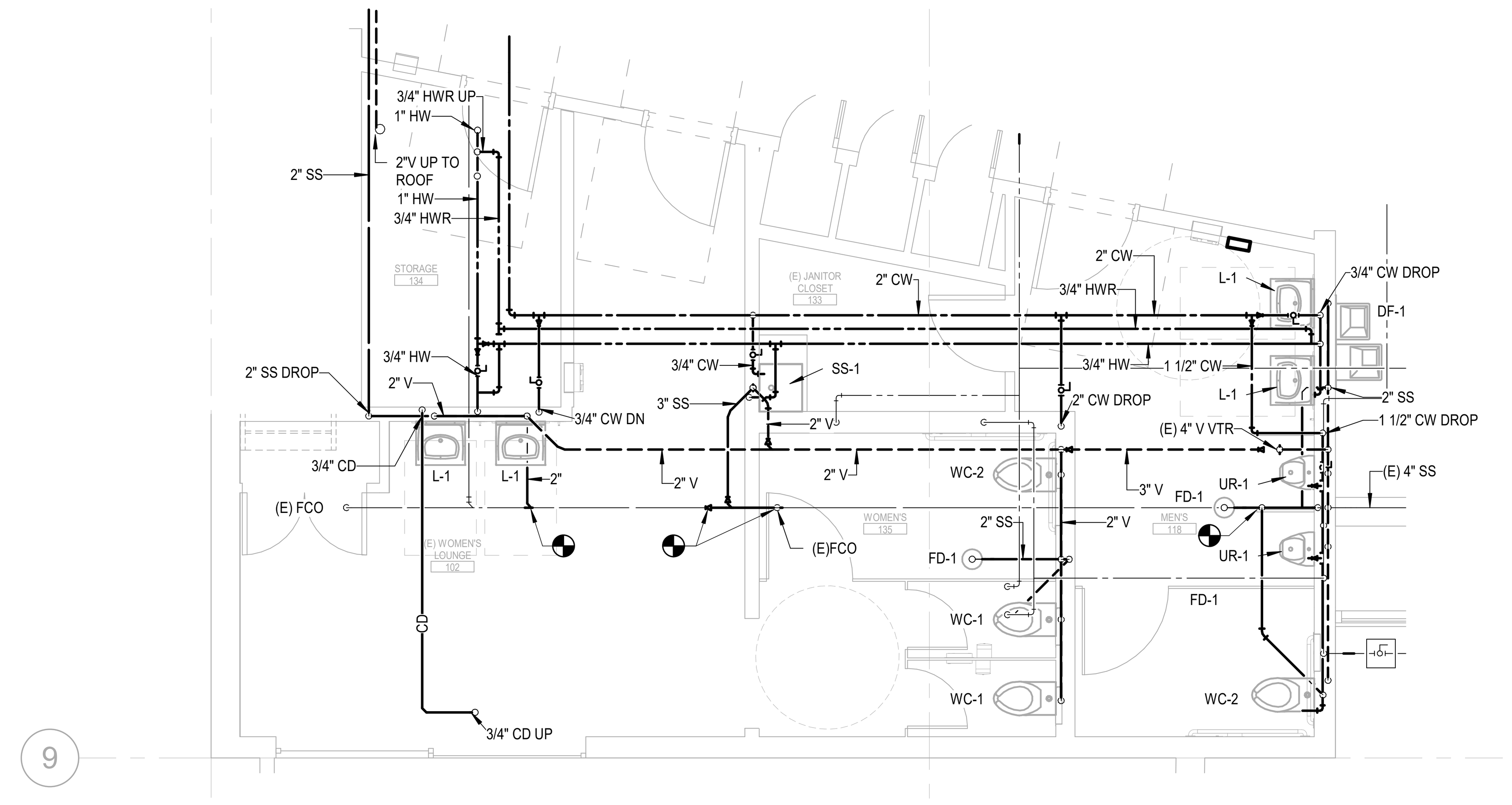
tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19
rev: date: description:

drawing title:
PLUMBING DEMO PLANS

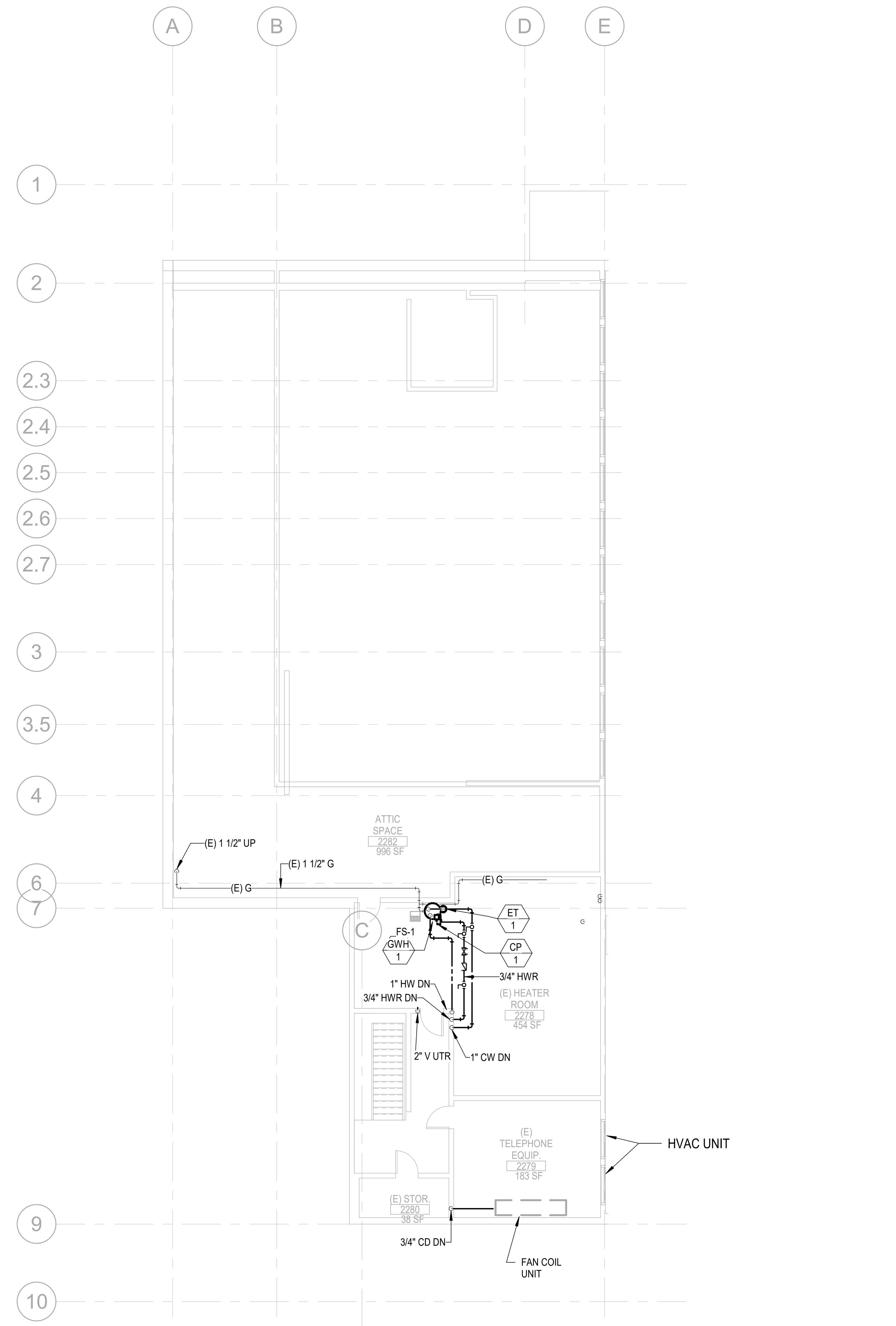
drawing no.:
PD-1
drawing of

GENERAL NOTES:

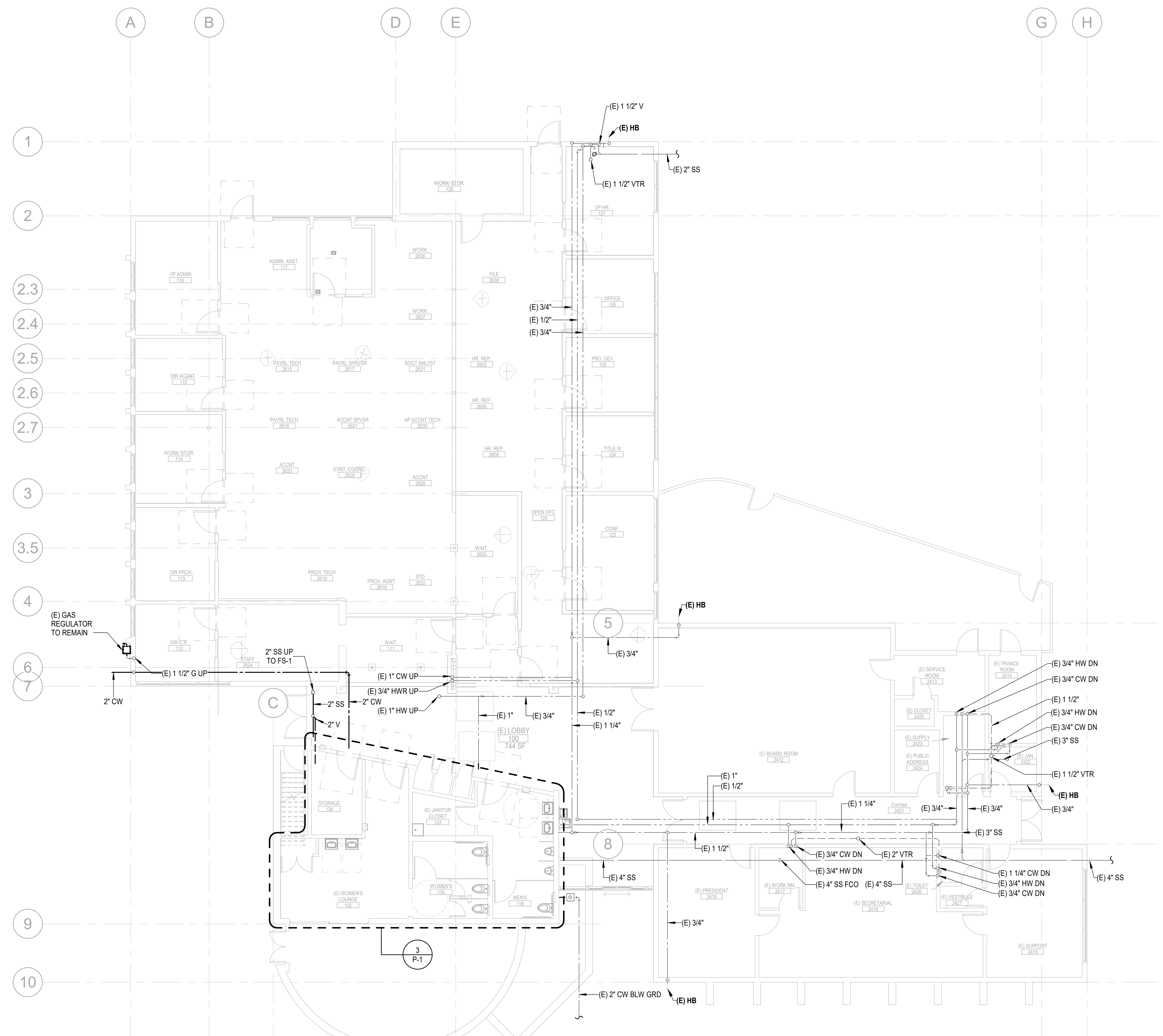
1. CONTRACTORS SHALL PERFORM FIELD INVESTIGATION OF EXISTING CONDITIONS BEFORE BEGINNING NEW WORKS.



ENLARGED PLUMBING 1ST FLOOR PLAN 3
SCALE 1/4" = 1'-0"



2ND FLOOR PLAN 2
SCALE 1/8" = 1'-0"



1ST FLOOR PLAN 1
SCALE 1/8" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP
architecture planning interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

CAPITAL
ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00
PM - DESIGN TEAM PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER V. MERCURIO
M 34011
EXPIRES 3/30/20
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED:
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

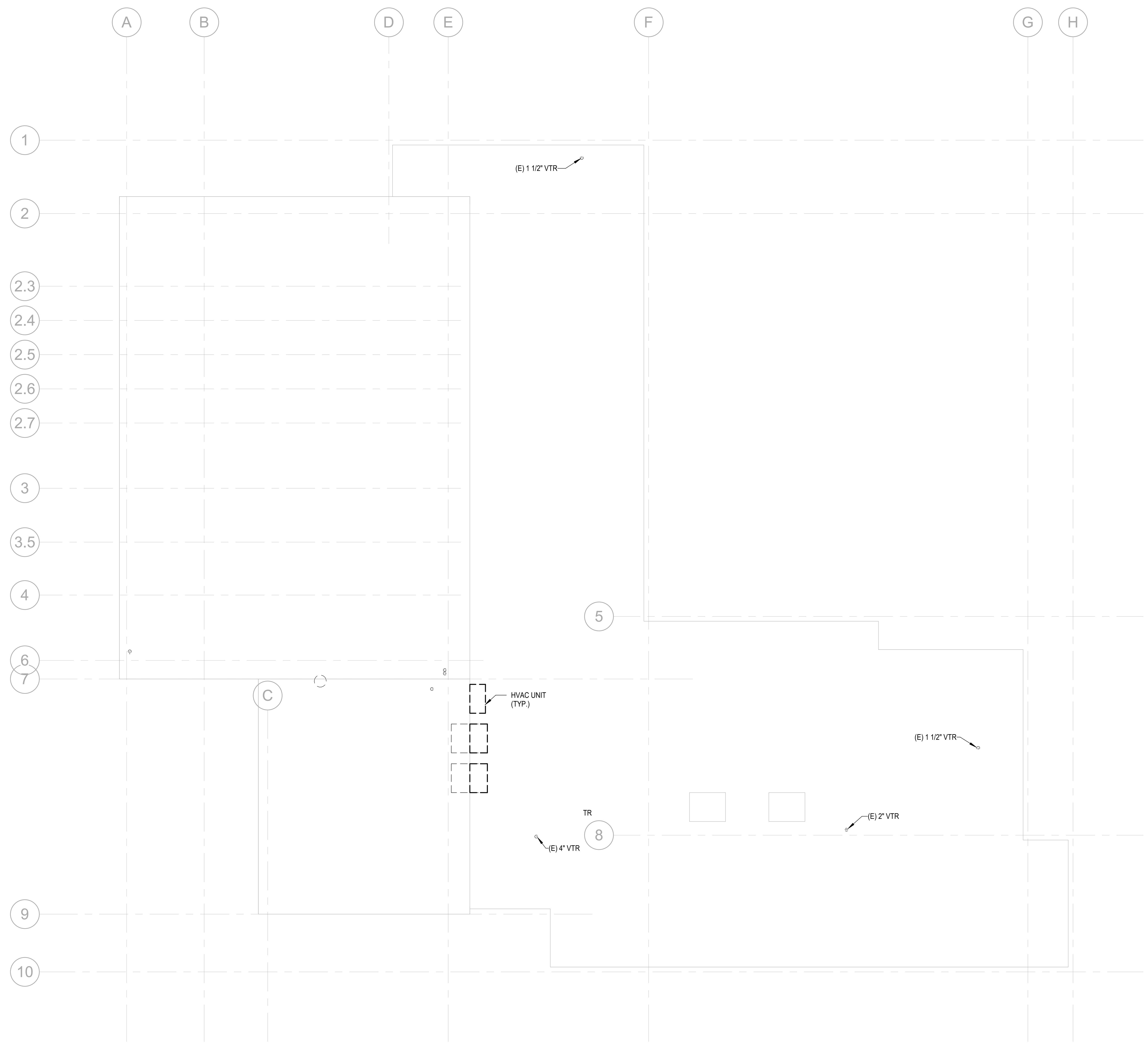
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221
owner

tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19

rev:	date:	description:

drawing title:
PLUMBING REMODEL
FLOOR PLANS

drawing no.:
P-1
drawing of



ROOF PLAN 1
SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'
NORTH

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

CAPITAL
ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00
PM - DESIGN TEAM PROJECT NO.

REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER V. MERCURIO
M 34011
EXPIRES 3/30/20
MECHANICAL
STATE OF CALIFORNIA

DATE SIGNED:
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

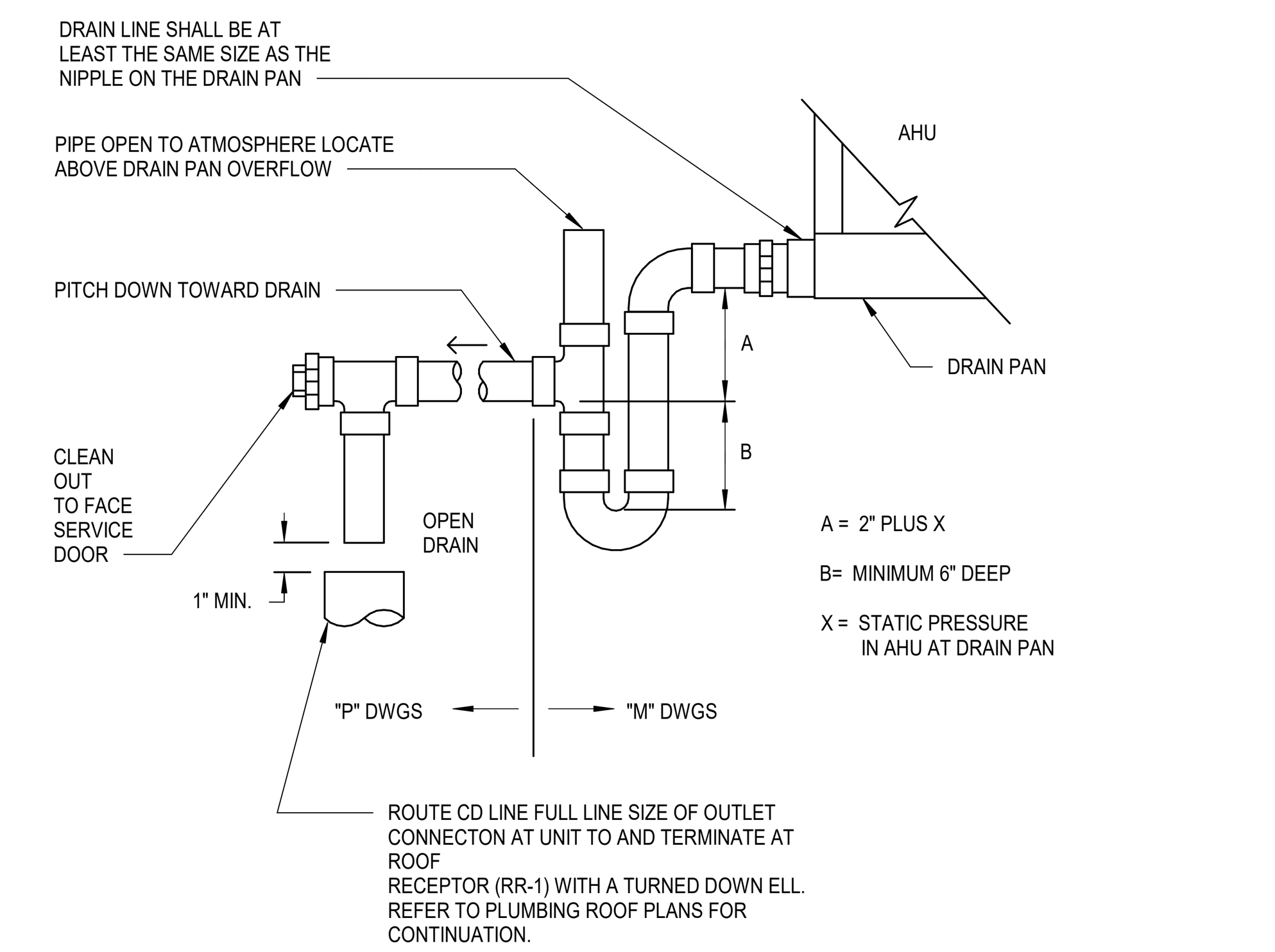
tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19

rev:	date:	description:

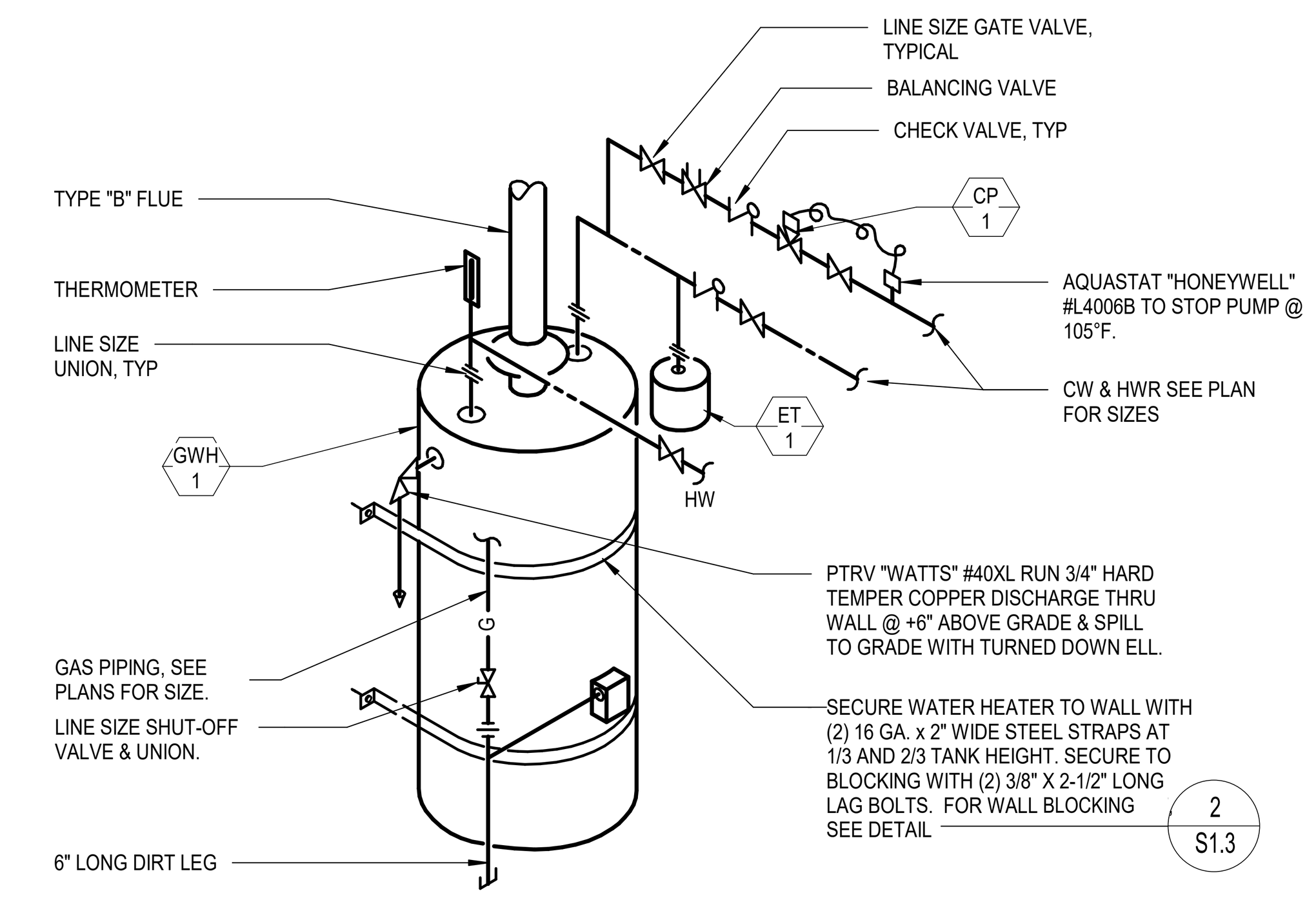
drawing title:
PLUMBING ROOF PLAN

drawing no.:
P-3

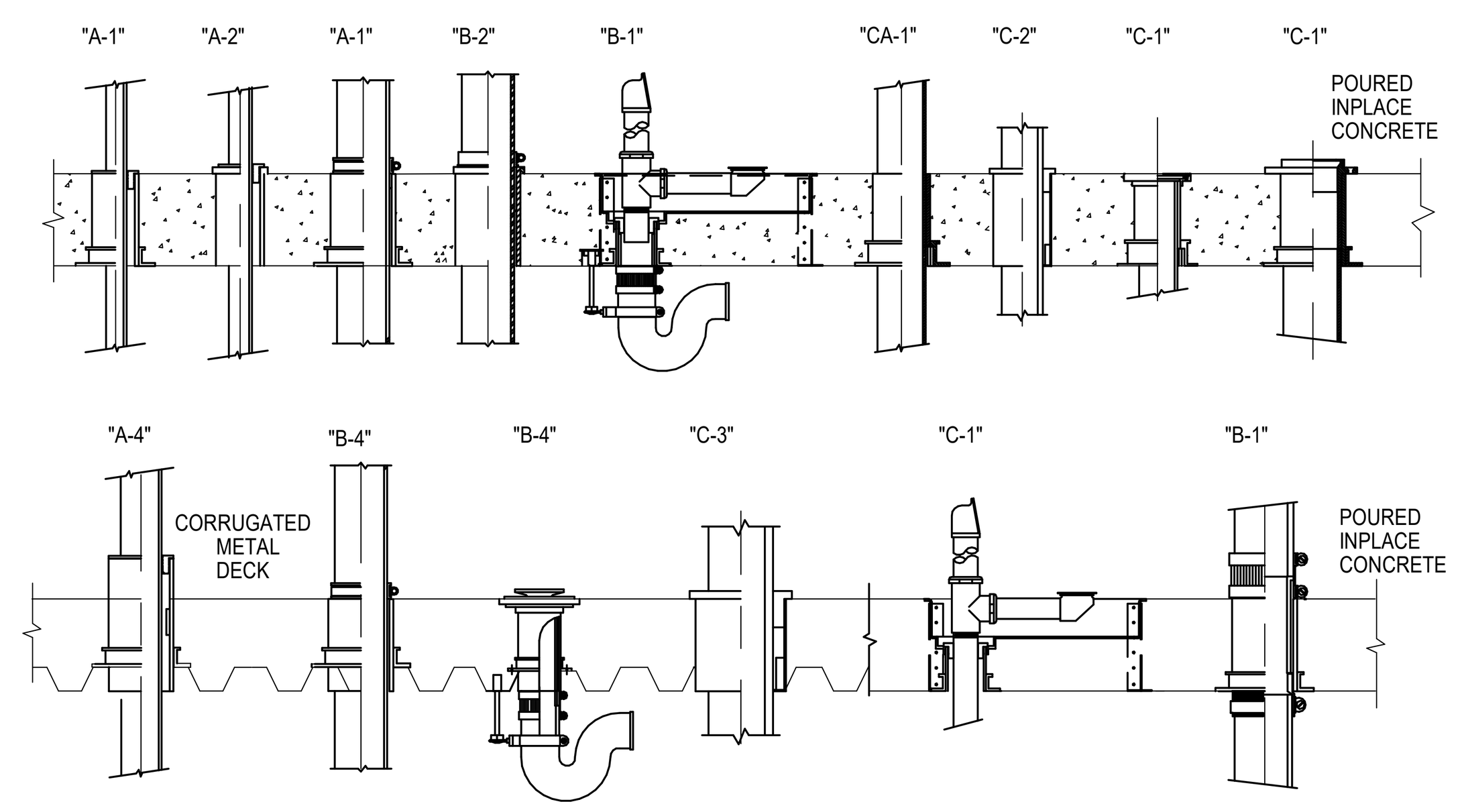
drawing of



3 CONDENSATE TRAP AT HVAC EQUIPMENT
P-4
SCALE: NONE



2 GAS WATER HEATER
P-4
SCALE: NONE



SLEEVES AND FIRESTOPPING

USE PROSET "FIRESTOP PENETRATORS", U.L. OR WARNOCK HERSEY CLASSIFIED AND LISTED IN THE BUILDING MATERIALS DIRECTORY. TESTED IN ACCORDANCE WITH THE ASTM E-814, U.L. 1479 AND CSA/ULC CAN S-115 TES STANDARDS. USE FOR ALL APPLICABLE PIPE PENETRATIONS AND PLUMBING FIXTURE FLOOR OPENINGS THROUGH FIRE RATED FLOORS, WALLS OR FLOOR/CEILING ASSEMBLIES IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

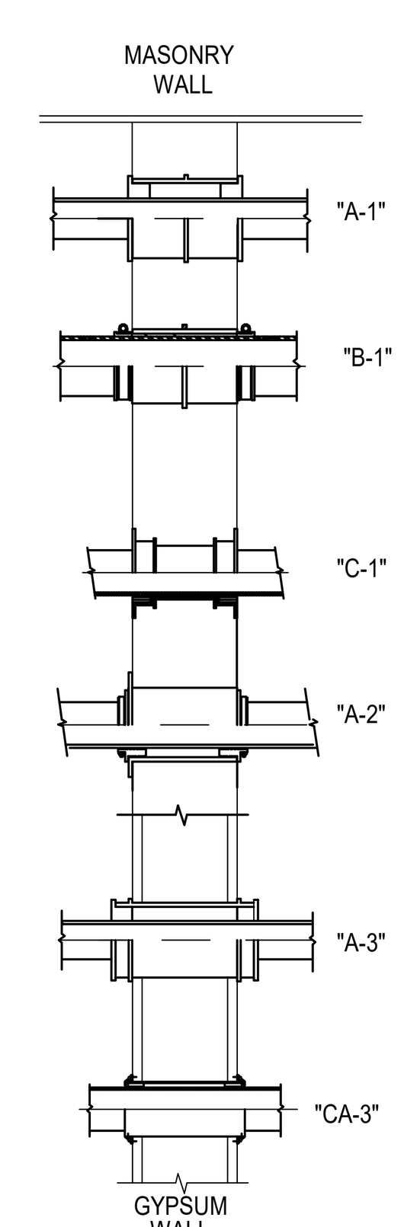
A. USE SYSTEM "A" PENETRATORS FOR WATER LINES, HEATING AND COOLING LINES, FIRE STANDPIPE AND SPRINKLER LINES, TEMPERATURE CONTROL, ACID WASTE GLASS OR DURION PIPE AND ELECTRIC AND COMMUNICATION CONDUIT PENETRATING FLOORS OR WALLS.

B. USE SYSTEM "B" PENETRATORS FOR CAST IRON OR COPPER DWV PIPES FOR STACKS AND DRAINS PENETRATING FLOORS OR WALLS.

C. USE SYSTEM "C" PENETRATORS FOR PLASTIC DWV PIPES FOR STACKS AND DRAINS PENETRATING FLOORS OR WALLS.

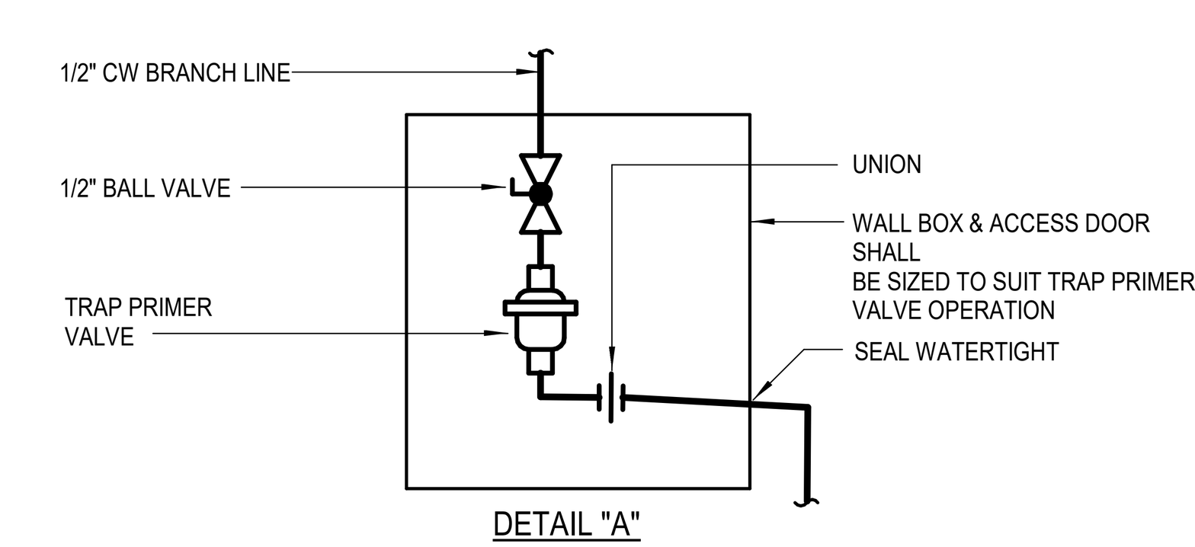
CA. USE SYSTEM "CA" PENETRATORS FOR POLYPROPYLENE ACID WASTE PIPE PENETRATING FLOORS OR WALLS.

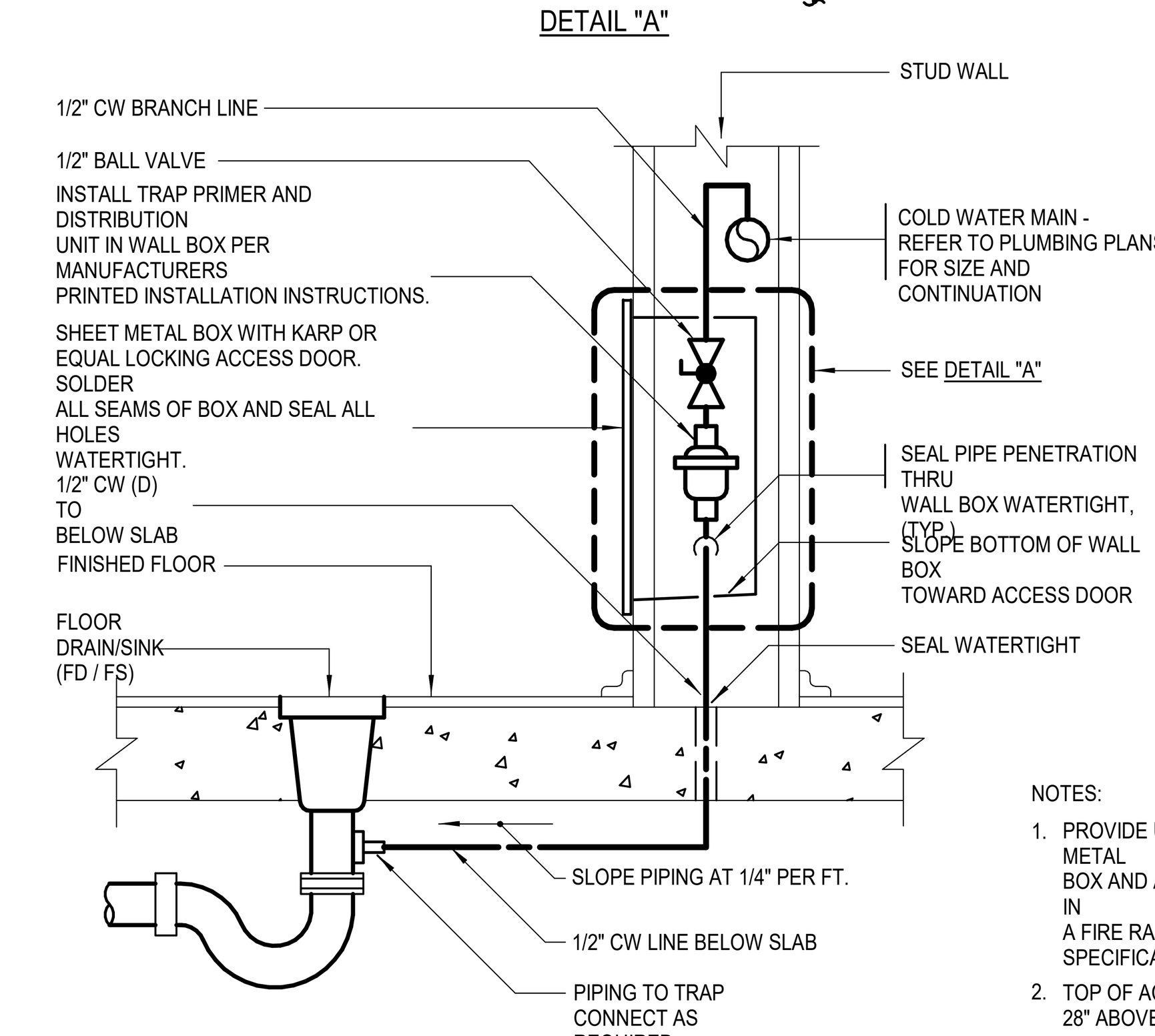
1. USE CAST-IN-COUPLING PENETRATORS FOR POURED-IN-PLACE CONCRETE ON STEEL OR WOOD FORMS IN FLOORS OR WALLS.
2. USE C.H. PVC OR METAL COUPLING PENETRATORS FOR CORED HOLES THROUGH PRECAST OR EXISTING CONCRETE IN FLOORS OR WALLS.
3. USE P-90 WALL SLEEVE PENETRAORS FOR PIPES PASSING THROUGH GYPSUM WALLS OR FLOOR/CEILING ASSEMBLIES.
4. USE CM METAL OR PVC SLIP FLANGE CM COUPLING FOR POURED-IN-PLACE CONCRETE ON CORRUGATED METAL DECK.



NOTE:
PENETRATIONS IN WALLS, FLOORS OR CEILINGS REQUIRING PROTECTED OPENINGS SHALL BE FIRE-STOPPED. FIRE STOPPING SHALL BE OF AN APPROVED MATERIAL; SECURELY INSTALLED AND CAPABLE OF MAINTAINING ITS INTEGRITY WHEN SUBJECTED TO THE TIME TEMPERATURE CURVE OF SFM STANDARD 12-43-3 AND 12-43-1. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTION AUTHORITY AND KEPT AT THE JOB SITE.

4 FIRE STOP FOR PIPE PENETRATIONS
P-4
SCALE: NONE





NOTES:
1. PROVIDE UL APPROVED FIRE WRAP AROUND SHEET METAL BOX AND A FIRE RATED ACCESS DOOR WHEN INSTALLED IN A FIRE RATED ASSEMBLY. FOR CONTINUATION REFER TO SPECIFICATIONS SECTION 22 00 50.
2. TOP OF ACCESS DOOR SHALL BE A MAXIMUM OF 28" ABOVE FINISHED FLOOR.
3. CONTRACTOR SHALL CONFIRM FINAL LOCATION OF TRAP PRIMER/ACCESS DOOR WITH THE PROJECT ARCHITECT AND PROVIDE ELEVATION PLANS INDICATING ACCESS DOOR LOCATIONS WITH THEIR FINAL AS-BUILT/SHOP DRAWING SUBMITTAL.

1 TRAP PRIMER CONNECTION
P-4
SCALE: NONE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
WELLS FARGO CENTER - SOUTH TOWER
355 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph:(213) 897-3995 fx:(213) 897-3159/0726
agency

tBP
architecture planning interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

CAPITAL
ENGINEERING CONSULTANTS, INC.
LONG BEACH, CALIFORNIA
RH - TS/SL/FR 170822.00
PM - DESIGN TEAM PROJECT NO.
REGISTERED PROFESSIONAL ENGINEER
CHRISTOPHER V. MERCURIO
M 34011
EXPIRES 3/30/20
MECHANICAL
STATE OF CALIFORNIA
DATE SIGNED:
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

tBP project number: 20987.00
file name:
drawn by: checked by:
date: 8.29.19
rev: date: description:

drawing title:
PLUMBING DETAILS

drawing no.:
P-4

drawing of

GENERAL NOTES

1. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO COVER A COMPLETE INSTALLATION OF SYSTEMS. THE OMISSION OR EXPRESSED REFERENCE TO ANY ITEM OF LABOR OR MATERIALS REQUIRED FOR THE PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH PRESENT PRACTICE OF THE TRADE SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING SUCH ADDITIONAL LABOR AND MATERIALS.

2. THESE PLANS, SPECIFICATIONS, AND ALL MATERIALS SHALL BE IN FULL ACCORDANCE WITH ALL LEGAL AND INDUSTRY REQUIREMENTS, AND STANDARDS INCLUDING WITHOUT LIMITATION TO THE FOLLOWING:

   a. CALIFORNIA CODE OF REGULATIONS TITLE 24, PARTS 1 AND 2 (CALIFORNIA BUILDING CODE), 2013 EDITION.

   b. CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 3 (CALIFORNIA ELECTRICAL CODE), 2013 EDITION.

   c. CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 6 (CALIFORNIA ENERGY CODE), 2013 EDITION.

   d. CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 9 (CALIFORNIA FIRE CODE), 2013 EDITION.

   e. OTHER REGULATING AGENCIES WHICH MAY HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.

   f. THE ELECTRICAL SYSTEMS FUNCTIONALITY STANDARDS SET FORTH IN TITLE 7 OF THE CALIFORNIA CIVIL CODE (THE "RIGHT TO REPAIR ACT").

   g. THE MANUFACTURER'S REQUIREMENTS OR RECOMMENDATIONS FOR ANY INCORPORATED PRODUCTS.

   h. THE MOST CURRENT APPROVED ISSUES OF ANY NOTED SPECIFICATIONS, CODES AND STANDARDS, INCLUDING SUPPLEMENTS, UNLESS NOTED OTHERWISE.

3. THE PLANS REPRESENT ONLY THE FINISHED ELECTRICAL, FIRE ALARM, AND LOW VOLTAGE SYSTEMS, AND THEY ARE NOT INTENDED TO INDICATE OR REQUIRE ANY CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES.

4. IN USING THE PLANS FOR BIDDING OR CONSTRUCTION PURPOSES, THE CONTRACTOR IS REQUIRED TO REVIEW ALL OF THE PROJECT'S CONSTRUCTION DOCUMENTS AS A WHOLE IN ORDER TO IDENTIFY ALL REQUIREMENTS THAT DIRECTLY OR INDIRECTLY AFFECT ITS PORTION OF THE ELECTRICAL WORK, EVEN REQUIREMENTS LOCATED IN SECTIONS DESIGNATED AS APPLICABLE TO OTHER TRADES. IN CASE OF CONFLICTS, THE CONTRACTOR SHALL EITHER OBTAIN DIRECTION FROM AN APPROPRIATE OWNER REPRESENTATIVE OR OTHERWISE APPLY THE MORE STRINGENT REQUIREMENT.

5. IN INTERPRETATING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:

   a. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.

   b. SCALED DIMENSIONS AND GRAPHICALLY SHOWN LOCATIONS ARE TO BE CONSIDERED ONLY APPROXIMATE. FIELD VERIFY DIMENSIONS PRIOR TO BID.

6. IN IMPLEMENTING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:

   a. BECAUSE THE PLANS ARE INTENDED TO SET FORTH THE REQUIREMENTS FOR CONSTRUCTION IN ONLY AN INDUSTRY-STANDARD LEVEL OF QUALITY AND DETAIL, AND THEREFORE ARE INTENDED TO BE SUPPLEMENTED BY APPROPRIATE REQUESTS FOR CLARIFICATION AND INFORMATION, ERRORS AND OMISSIONS ARE TO BE EXPECTED AND ANTICIPATED; AND THE CONTRACTOR IS REQUIRED TO CAREFULLY REVIEW THE PLANS FOR ERRORS AND OMISSIONS AND TO BRING THESE ERRORS AND OMISSIONS TO THE ATTENTION OF AN APPROPRIATE OWNER REPRESENTATIVE IN A TIMELY MANNER AN ASSUMES THE RISK OF THE CONSEQUENCES OF FAILING TO DO SO BEFORE BIDDING OR OTHERWISE PROCEEDING.

   b. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION, AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES..

7. SUBMITTALS WILL BE REVIEWED BY THE ELECTRICAL ENGINEER, IF AT ALL, ONLY PURSUANT TO THE INDUSTRY-STANDARD PROTOCOL SET FORTH IN A1A DOCUMENT A201, AND IN NO EVENT WILL THE SUBMITTAL REVIEW PROCESS RELIEVE OR LESSEN THE SUBMITTING CONTRACTOR'S RESPONSIBILITY FOR AN INAPPROPRIATE SUBMITTAL.

8. IN NO EVENT WILL ANY SITE VISITS BY THE ELECTRICAL ENGINEER CONCERN CONSTRUCTION MEANS AND METHODS OR CONSTRUCTION SAFETY, AND ALL SUCH MATTERS SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

9. COPIES OF THE PLANS PROVIDED IN ANY ELECTRONIC FORM ARE SUBJECT TO THE SAME PROVISIONS AS THE OTHER INSTRUMENTS OF SERVICE PREPARED BY OR ON BEHALF OF ELECTRICAL ENGINEER FOR THE PROJECT, INCLUDING WITHOUT LIMITATION THE ENGINEER'S COMMON LAW, STATUTORY OR OTHER RESERVED RIGHTS, INCLUDING COPYRIGHTS. A RECIPIENT IS GRANTED AT MOST A TRANSFERABLE NONEXCLUSIVE LICENSE TO REUSE THE PLANS SOLELY FOR PROJECT PURPOSES; AND NO RECIPIENT IS AUTHORIZED TO USE OR TO ALLOW THE USE OF ALL OR ANY PORTION OF THESE PLANS FOR ANY OTHER PURPOSE, AND ANY USE FOR ANY OTHER PURPOSE WOULD CONSTITUTE ACTIONABLE PLAGIARISM. ELECTRICAL ENGINEER PROVIDES DOCUMENTS IN AN ELECTRONIC FORM ONLY IN ITS STANDARD FORMATS AND CONVENTIONS AND WITH NO GUARANTEE OF COMPATIBILITY WITH ANY RECEIPIENT'S SOFTWARE OR HARDWARE, AND ANY USE WITH OR CONVERSION TO OTHER FORMATS OR CONVENTIONS, OR THE USE WITH ANY PARTICULAR SOFTWARE OR HARDWARE, IS AT THE RECIPIENT'S SOLE RISK.

10. REFER TO THE DRAWINGS AND SHOP DRAWINGS OF OTHER TRADES FOR ADDITIONAL DETAILS WHICH AFFECT THE PROPER INSTALLATION OF THIS WORK.

11. BEFORE SUBMITTING A BID, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL FEATURES OF THE BUILDING, AND ALL BUILDING DRAWINGS WHICH MAY AFFECT THE EXECUTION OF THE WORK. NO EXTRA PAYMENT WILL BE ALLOWED FOR FAILURE TO OBTAIN THIS INFORMATION.

12. PROTECT ALL WORK, MATERIALS AND EQIPMENT FROM DAMAGE FROM ANY CAUSE WHATEVER AND PROVIDE ADEQUATE AND PROPER STORAGE FACILITIES DURING THE PROGRESS OF THE WORK. PROVIDE FOR THE SAFETY AND GOOD CONDITION OF ALL THE WORK UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER AND REPLACE ALL DAMAGED OR DEFECTIVE WORK, MATERIALS AND EQUIPMENT BEFORE REQUESTING FINAL ACCEPTANCE.

13. THE DRAWINGS INDICATE IN A DIAGRAMMATIC MANNER, THE DESIRED LOCATIONS OF ARRANGEMENT OF THE COMPONENTS OF ELECTRICAL WORK. DETERMINE EXACT CONDUIT ROUTING, CONDUIT BENDS, AUXILIARY JUNCTION BOXES, SUPPORTS, AND UNDEFINED CONSTRUCTION DETAILS AS A JOB CONDITION TO BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE CODE REQUIREMENTS. PROPER JUDGEMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE, AND TO OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATIONS OR INTERFERENCE OF CONDITIONS ENCOUNTERED.

14. IN THE EVENT CHANGES IN THE INDICATED LOCATIONS OR ARRANGEMENTS ARE NECESSARY, DUE TO DEVELOPED CONDITIONS IN THE BUILDING CONSTRUCTION OR REARRANGEMENTOF EQUIPMENT, SUCH CHANGES SHALL BE MADE WITHOUT COST PROVIDING THE CHANGE IS ORDERED BEFORE THE CONDUIT RUNS, ETC., AND WORK DIRECTLY CONNECTED TO SAME IS INSTALLED AND NO EXTRA MATERIALS ARE REQUIRED.

15. THE DRAWINGS INDICATE APPROXIMATE LOCATIONS OF EXISTING CONDUITS. THE EXACT ROUTING SHALL BE VERIFIED IN FIELD AND LENGTH OF CONDUCTORS SHALL BE ADJUSTED TO THE LENGTH REQUIRED.

16. THE DRAWINGS INDICATE APPROXIMATE LOCATIONS OF EXISTING CONDUITS. THE EXACT ROUTING SHALL BE VERIFIED IN FIELD AND LENGTH OF CONDUCTORS SHALL BE ADJUSTED TO THE LENGTH REQUIRED.

17. PERFORM CUTTING AND PATCHING ON THE CONSTRUCTION WORK WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF THE ELECTRICAL WORK. PATCHING SHALL BE OF THE SAME MATERIAL, WORKMANSHIP AND FINISH AS SPECIFIED AND ACCURATELY MATCH SURROUNDING WORK TO SATISFACTION OF THE ARCHITECT.

18. PROVIDE ALL EQUIPMENT WITH ENCLOSURES LISTED OR LABELED FOR USE AND LOCATION WHERE SUCH EQUIPMENT IS INSTALLED.

19. PROVIDE UL LISTED FIRE STOP FOR ALL PENETRATIONS THROUGH FIRE RATED FLOORS, WALLS AND CEILINGS TO MAINTAIN ALL FIRE RATINGS. THE FIRE STOP MATERIALS SHALL BE RE-ENTERABLE AND REUSABLE.

20. PROVIDE COORDINATED SHOP DRAWINGS. INDICATING DIMENSIONED LOCATIONS AND SIZES OF ALL CORE DRILLS FOR REVIEW AND APPROVAL. ALL CORE DRILL LOCATIONS SHALL BE VERIFIED AND APPROVED WITH OWNERS REPRESENTATIVE, STRUCTURAL AND ARCHITECT PRIOR TO CORE DRILL. UTILIZE X-RAY EQUIPMENT TO LOCATE AND VERIFY EXISTING STRUCTUREAL ELEMENTS WITHIN SLAB.

21. GROUNDING SHALL BE EXECUTED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS, BOTH OF THE STATE OF CALIFORNIA AND LOCAL AUTHORITIES HAVING JURISDICTION.

22. PROVIDE GROUND WIRE IN EACH CONDUIT CONTAINING CIRCUITS FEEDING RECEPTACLES. THE CONDUIT SHALL NOT BE PERMITTED TO SERVE AS THE ONLY ELECTRICAL GROUND RETURN PATH.

23. WHERE CIRCUIT CHANGES OR ADDITIONS OCCUR IN PANELBOARDS UPDATE PANEL DIRECTORY CARDS WITH NEW TYPEWRITTEN CARDS INDICATING DESCRIPTION OF ALL CIRCUITS.

24. PROVIDE HANDLE TIES AT CIRCUIT BREAKERS TO SIMULTAINEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS OF MULTI-WIRE BRANCH CIRCUITS WITH A SHARED NEUTRAL.

25. UNLESS NOTED OTHERWISE ALL 120 VOLT HOMERUNS OVER 100 FEET SHALL BE #10 AWG MINIMUM. ADJUST CONDUIT SIZE ACCORDINGLY.

26. UNLESS NOTED OTHERWISE ALL 277 VOLT HOMERUNS OVER 200 FEET SHALL BE #10 AWG MINIMUM, OVER 300 FEET SHALL BE #8 AWG MINIMUM. ADJUST CONDUIT SIZE ACCORDINGLY.

27. CONDUIT FOR TELEPHONE/DATA CABLING SHALL COMPLY WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

    a. INSIDE BEND RADIUS SHALL BE AT LEAST 10 TIMES ITS INTERNAL DIAMETER.

    b. PROVIDE PULL BOXES WHENEVER CONDUIT LENGTH EXCEEDS 150 FEET AND WHEN COMBINED BENDS ARE GREATER THAN 180 DEGREES.

    c. ALL CONDUIT SHALL BE PROVIDED WITH INSULATED BUSHINGS.

    d. MAINTAIN A MINIMUM CLEARANCE OF 4 FEET FROM MOTORS AND TRANSFORMERS.

    e. MAINTAIN A MINIMUM CLEARANCE OF 12 INCHES FROM POWER CIRCUITS.

28. COORDINATE MOUNTING HEIGHTS OF RECEPTACLES, SWITCHES, A/V DEVICES, SECURITY DEVICES, ETC. MOUNTED ON COMMON WALLS SO THAT ALL OUTLETS ARE MOUNTED TO ALIGN HORIZONTALLY.

29. NOTIFY THE ARCHITECT IN WRITING WHEN INSTALLATION IS COMPLETE AND THAT A FINAL INSPECTION OF THIS WORK CAN BE PERFORMED. IN THE EVENT DEFECTS OR DEFICIENCIES ARE FOUND DURING THIS FINAL INSPECTION, THEY SHALL BE CORRECTED TO THE SATISFACTION OF THE ARCHITECT BEFORE FINAL ACCEPTANCE CAN BE ISSUED.

SYMBOL LIST

(ALL SYMBOL NOT NECESSARILY USED ON THESE DRAWINGS)
ALL SYMBOL DESCRICPTION ARE SUBJECT TO MODIFICATION AS NOTED ON THE DRAWINGS . VERIFY EXACT
LOCATION AND HEIGHT OF OUTLETS WITH ARCHITECTURAL INTERIOR ELEVATIONS PRIOOR TO ROUGH-IN.

	AM-FM ANTENNA (VERIFY MOUNTING LOCATION)
Ⓒ—	OUTLET BOX FOR CLOSED CIRCUIT CAMERA. PROVIDE 1" C. TO BUILDING'S ACCESSIBLE CEILING. (VERIFY MOUNTING LOCATION)
MCA-11	HOME RUN TO MCA-11, INDICATES MOTOR CONTROL CENTER "MCA" CIRCUIT NO. 11. SEE RESPECTIVE SCHEDULE FOR WIRE AND CONDUIT.
	PUSH BUTTON STATION WITH "STOP-START" PUSH BUTTONS AND RED INDICATING PILOT LIGHT ON FLUSH WALL MOUNTED OUTLET BOX, +45".
———	CONDUIT, INSTALLED CONCEALED IN WALL OR IN CEILING SPACE.
— —	CONDUIT, INSTALLED CONCEALED IN OR UNDER FLOOR OR BELOW GRADE, 3/4" CONDUIT MINIMUM.
- - - -	CONDUIT, INSTALLED EXPOSED.
B-5,7,9	HOMERUN TO PANEL "B" FOR CIRCUITS 5, 7, 9 WITH COMMON NEUTRAL.
	UNDERGROUND CONDUIT STUBOUT, STUB 5'-0" FROM BUILDING OR WALKWAY, CAP, MARK AND RECORD.
	MOTOR CONNECTION. PROVIDE FUSED SAFETY SWITCH (DISCONNECT), HORSE POWER RATED, WALL MOUNTED, +45" OR EQUIPMENT MOUNTED, +36". PROVIDE SWITCH AND FUSES SIZED PER EQUIPMENT MANUFACTURER REQUIREMENTS.
P⊙	JUNCTION BOX, FLUSH IN FLOOR. "P" INDICATES PEDESTAL TYPE ON FLUSH FLOOR MOUNTED OUTLET BOX.
○□—	FIRE ALARM BELL
AV	COMBINATION DATA/POWER/AUDIO VIDEO FLOOR BOX FLUSH WITH GRADE WITH MINIMUM TWO (2) DATA OUTLET, TWO (2) POWER OUTLET AND AUDIO VISUAL CONNECTORS. REFER TO TELECOM PLANS FOR MORE INFORMATION.
AV PT	COMBINATION DATA/POWER/AUDIO VIDEO POKE THROUGH DEVICE WITH MINIMUM TWO (2) DATA OUTLET, TWO (2) POWER OUTLET AND AUDO VISUAL CONNECTORS. REFER TO TELECOM PLANS AND SPECIFICATIONS FOR MORE INFORMATION.
(4)	COMBINATION DATA/POWER FLOOR BOX WITH FOUR (4) DATA OUTLETS AND TWO (2) DUPLEX RECEPTACLES. REFER TO TELECOM PLANS AND SPECIFICATIONS FOR MORE INFORMATION.
(6) R	COMBINATION DATA/POWER FLOOR BOX WITH SIX (6) DATA OUTLETS AND THREE (3) DUPLEX RECEPTACLES. REFER TO TELECOM PLANS AND SPECIFICATIONS FOR MORE INFORMATION.
(4) PT	COMBINATION DATA/POWER POKE-THRU, DEVICE WITH TWO (2) DUPLEX RECEPTACLES AND FOUR (4) DATA JACKS. REFER TO TELECOM PLANS AND SPECIFICATIONS FOR MORE INFORMATION.
(6) PT	COMBINATION DATA/POWER POKE-THRU, DEVICE WITH TWO (2) DUPLEX RECEPTACLES AND SIX (6) DATA JACKS. REFER TO TELECOM PLANS AND SPECIFICATIONS FOR MORE INFORMATION.
AV—	AUDIO/VIDEO OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX WITH COVERPLATE AND GROMETTED OPENING. PROVIDE OUTLET BOX, COVERPLATE AND 1.5" CONDUIT CONCEALED IN WALL TO THE ACCESSIBLE CEILING SPACE UNLESS NOTED OTHERWISE. PROVIDE AV CABLES FROM THE INSTRUCTORS DESK TO THE LCD DISPLAY OR SHORT THROW PROJECTOR LOCATED AT THE TEACHING WALL. MOUNT AV OUTLET AT INSTRUCTIOR'S DESK AT +18". MOUNT AV OUTLET AT LCD DISPLAY OR SHORT THROW PROJECTORS AT +70".
TC—	AUDIO/VIDEO CONTROL PANEL, ON FLUSH IN WALL MOUNTED OUTLET BOX, +45" A.F.F. LOCATED AT INSTRUCTOR'S DESK. PROVIDE CONTROL PANEL, OUTLET BOX AND 1" CONDUIT CONCEALED IN WALL DOWN TO AV CONNECTOR PLATE AT +18" A.F.F. PROVIDE AV CABLING BETWEEN AV CONTROL PANEL AND AV CONNECTOR PLATE IN ACCORDANCE WITH THE AV SYSTEM REQUIREMENTS.
▭	LIGHTING FIXTURE, RECESS MOUNTED, WITH OUTLET BOX.
▭	LIGHTING FIXTURE, SURFACE OR PENDANT MOUNTED ON FLUSH MOUNTED OUTLET BOX.
├─o─┤	INDUSTRIAL LIGHTING FIXTURE, SURFACE, CHAIN OR PENDANT MOUNTED ON FLUSH MOUNTED OUTLET BOX.
○	LIGHTING FIXTURE, SURFACE OR PENDANT MOUNTED, ON FLUSH CEILING MOUNTED OUTLET BOX.
□	LIGHTING FIXTURE, RECESS MOUNTED, WITH OUTLET BOX.
○—	LIGHTING FIXTURE, SURFACE OR FLUSH MOUNTED AS INDICATED ON FIXTURE SCHEDULE, ON WALL MOUNTED OUTLET BOX, +90". STEM INDICATES WALL MOUNTED OUTLET BOX, TYPICAL.
◉ ■	OUTLET ON EMERGENCY OR NIGHT LIGHT LIGHTING CIRCUIT.
⌖	POST TOP LIGHTING STANDARD, POLE MOUNTED LUMINAIRE AND POLE SUPPORT BASE.
◣	LIGHTING FIXTURE WITH LAMPS ON NORMAL AND EMERGENCY LIGHTING CIRCUITS, PROVIDE SEPARATE LAMP BALLASTS AS REQUIRED.
J	LIGHTING FIXTURE RECESSED MOUNTED WITH OUTLET BOX AND REMOTE MOUNTED JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING. PROVIDE FLEXIBLE CONDUIT CONNECTION 6 FT. MAXIMUM LENGTH, 1/2" DIAMETER MINIMUM, FROM JUNCTION BOX TO FIXTURE OUTLET. PROVIDE CONDUCTORS IN CONDUIT, QUANTITY AS REQUIRED FOR INDICATED CIRCUITS AND SWITCHING CONTROLS, #12 (AWG) MINIMUM.
□—	LIGHTING STANDARD WITH SINGLE ARM MOUNTED LUMINAIRE AND POLE SUPPORT BASE.
□-□	LIGHTING STANDARD WITH TWIN ARM MOUNTED LUMINARIES AND POLE SUPPORT BASE.
◐	UPLIGHT, MOUNTED FLUSH WITH FINISH GRADE.
◐—	FLOODLIGHTING FIXTURE WITH WEATHERPROOF OUTLET BOX.
	TRACK LIGHTING WITH FIXTURE(S), CEILING, PENDANT, OR WALL MOUNTED, WITH FLUSH OUTLET BOX.
⊗	EXIT SIGN SINGLE FACE, ON FLUSH CEILING MOUNTED OUTLET BOX. ARROW INDICATES DIRECTIONAL ARROW ON EXIT SIGN FACE. REFER TO ARCHITECTURAL DRAWINGS FOR PHOTOLUMINESCENT, FLOOR-LEVEL EXIT MARKERS AND EXIT PATH MARKINGS.
⊗	EXIT SIGN DOUBLE FACE, ON FLUSH CEILING MOUNTED OUTLET BOX. REFER TO ARCHITECTURAL DRAWINGS FOR PHOTOLUMINESCENT, FLOOR-LEVEL EXIT MARKERS AND EXIT PATH MARKINGS.
⊗—	EXIT SIGN, ON FLUSH WALL MOUNTED OUTLET BOX, +90". REFER TO ARCHITECTURAL DRAWINGS FOR PHOTOLUMINESCENT, FLOOR-LEVEL EXIT MARKERS AND EXIT PATH MARKINGS.
2 100	FIXTURE SCHEDULE DESIGNATION: "2" INDICATES FIXTURE TYPE, "100" INDICATES FIXTURE TOTAL WATTAGE.
S 2,P a,b	SINGLE POLE TOGGLE SWITCH, ON FLUSH WALL MOUNTED OUTLET BOX, +45". INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE. SUBSCRIPT OR SUPERSCRIPT AT SWITCH SYMBOL INDICATES THE FOLLOWING: 2 - DOUBLE POLE 3 - THREE WAY 4 - FOUR WAY P - PILOT LIGHT M - MANUAL MOTOR STARTERS K - KEY OPERATED R - SPDT MOMENTARY CONTACT RELAY SWITCH V - VAPOR PROOF a,b,c,d, ETC. - MULTIPLE SWITCHES WITH IDENTIFICATION OF OUTLET CONTROLLED
$	SWITCH FOR CONTROL OF LOW VOLTAGE LIGHTING RELAY(S), ON FLUSH WALL MOUNTED OUTLET BOX, +45". INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE.
D	DIMMING SYSTEM LIGHTING CONTROL STATION ON FLUSH IN WALL MOUNTED OUTLET BOX, +45".
L	LOW VOLTAGE LIGHTING ON/OFF CONTROL SWITCH IN FLUSH IN WALL OUTLET BOX, +45".
E	LOW VOLTAGE CLASSROOM LIGHTING ENTRANCE CONTROL STATION IN FLUSH IN WALL OUTLET BOX, +45"
I	LOW VOLTAGE INSTRUCTORS CLASSROOM LIGHTING DIMMING CONTROL STATION IN FLUSH IN WALL OUTLET BOX, +45".
OS	LIGHTING CONTROL OCCUPANCY MOTION SENSOR ON FLUSH CEILING MOUNTED OUTLET BOX. MOUNT CENTERED IN CEILING TILE.
LC	LIGHTING LEVEL CONTROLLER (PHOTO SENSOR) ON FLUSH CEILING MOUNTED OUTLET BOX. MOUNT CENTERED IN CEILING TILE.
	LIGHTING CONTROL OCCUPANCY SENSOR ON FLUSH WALL MOUNTED OUTLET BOX, +45".
⊖=	DUPLEX CONVENIENCE RECEPTACLE VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX, +18". STEM INDICATES WALL MOUNTED OUTLET BOX, TYPICAL.
⦶—	DUPLEX CONVENIENCE RECEPTACLE HORIZONTAL ON FLUSH WALL MOUNTED OUTLET BOX, + 6" ABOVE COUNTER SPLASH.
	DUPLEX CONVENIENCE RECEPTACLE SPLIT WIRED, ON FLUSH WALL MOUNTED OUTLET BOX, + 18".
⊖⊖=	DOUBLE DUPLEX (FOUR-PLEX) CONVENIENCE RECEPTACLE ON ONE FLUSH WALL MOUNTED OUTLET BOX +18".
	DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX +18". U.N.O.
	DOUBLE DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX +18". U.N.O.
	DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, HORIZONTAL ON FLUSH WALL MOUNTED OUTLET BOX, +6" ABOVE COUNTER SPLASH. U.N.O.
WP	DUPLEX CONVENIENCE RECEPTACLE, WITH INTERNAL GROUND FAULT INTERRUPTER, IN FLUSH WALL MOUNTED ENCLOSURE WITH HINGED DOOR, LOCK AND KEY, +18".
WP ⊖=	DUPLEX CONVENIENCE RECEPTACLE, WITH INTERNAL GROUND FAULT INTERRUPTER, ON FLUSH WALL MOUNTED OUTLET BOX WITH SPRING DOOR COVER, +18" U.N.O.
LC ⊖=	DUPLEX CONVENIENCE RECEPTACLE, IN FLUSH IN WALL OUTLET BOX, +18". CONTROLLED BY THE ROOM'S LIGHTING CONTROL SYSTEM IN ACCORDANCE WITH CEC TITLE 24 LIGHTING REQUIREMENTS. PROVIDE GREEN COVER PLATE.
R	DOUBLE DUPLEX CONVENIENCE RECEPTACLE IN FLUSH FLOOR OUTLET BOX. "R" DESIGNATION INDICATES RECESSED FLOOR BOX WITH MULTI-SERVICE FITTINGS, WIREMOLD "RFB" SERIES BOX OR EQUAL.
∅	DUPLEX CONVENIENCE RECEPTACLE, IN FLUSH FLOOR OUTLET BOX, UNLESS NOTED OTHERWISE. "R" DESIGNATION INDICATES RECESSED FLOOR BOX WITH MULTI SERVICE FITTINGS, WIREMOLD "RFB" SERVICE BOX OR EQUAL.
P	DUPLEX CONVENIENCE RECEPTACLES, BACK TO BACK, "P" INDICATES PEDESTAL TYPE ON SURFACE MOUNTED OUTLET BOX.
P ∅	DUPLEX CONVENIENCE RECEPTACLE, ON FLUSH CEILING MOUNTED OUTLET BOX FOR PROJECTOR.
J—	JUNCTION BOX, FLUSH WALL MOUNTED, +18" U.N.O.
J	JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING OR ON EXPOSED CEILING. U.N.O.
J	INDICATES CONNECTION TO EQUIPMENT AS REQUIRED, TYPICAL. U.N.O.
T—	THERMOSTAT ON FLUSH WALL MOUNTED OUTLET BOX, REFER TO MECHANICAL DRAWINGS FOR HEIGHT AND LOCATION.
A E-1	PANELBOARD, ADJACENT LINE INDICATES PANEL FRONT. ADJACENT BALLOON INDICATES PANEL DESIGNATION "A", SEE DRAWING E-1 FOR PANEL SCHEDULE.
	TERMINAL CABINET OR EQUIPMENT CABINET. ADJACENT LINE INDICATES CABINET FRONT.
DBA E-1	FLOOR STANDING SWITCHGEAR ADJACENT BALLOON INDICATES EQUIPMENT DESIGNATION "DBA", SEE DRAWING E-1 FOR SINGLE LINE DIAGRAM AND/OR SCHEDULE.
	TERMINAL CABINET OR EQUIPMENT CABINET. ADJACENT LINE INDICATES CABINET FRONT.
	CIRCUIT BREAKER WITH ZERO SEQUENCE GROUND FAULT RELAY SYSTEM.
	TRANSFORMER; KVA, LINE AND LOAD VOLTAGE RATINGS AS INDICATED.
	FUSED SAFETY SWITCH (DISCONNECT), HORSE POWER RATED. MOUNT ON WALL +45", OR ON EQUIPMENT +36". PROVIDE SWITCH AND FUSES SIZED PER EQUIPMENT MANUFACTURER REQUIREMENTS.

ABBREVIATIONS

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

FIRE ALARM NOTES

FIRE ALARM SUBMITTAL IS A COMPLETE PLAN SUBMITTAL IN ACCORDANCE
WITH PROJECT SUMITTAL GUIDELINE, GL-2(FLS) DATED 2/10/11

CABLE INSTALLATION NOTES

(APPLIES ONLY TO DATA NETWORK)

1. WHERE ACCESSIBLE SUSPENDED T-BAR CEILINGS OCCUR, CABLING FOR THE ABOVE REFERENCED SYSTEMS SHALL BE PROVIDED ROUTED VIA CABLE TRAY/BASKET TRAY. SEE SPECIFICATIONS FOR PERFORMANCE NOTES ON CABLE INSTALLATION.

2. CONDUITS SHALL BE PROVIDED WHERE CABLES ARE INSTALLED IN WALLS, BELOW GRADE AND AREAS OTHER THAN ABOVE ACCESSIBLE SUSPENDED T-BAR CEILINGS. CABLING INSTALLED UNDERGROUND SHALL BE SUITABLE FOR UNDERGROUND INSTALLATIONS.

ANCHORAGE NOTES

Revised: July 18, 2016

MEP Component Anchorage Note
All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSA approved construction documents. Where no detail is indicated, the following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2013 CBC, Sections 1616A.1.18 through 1616A.1.26 and ASCE 7-10 Chapter 13, 26 and 30.

1. All permanent equipment and components.
2. Temporary or movable equipment that is permanently attached (e.g. hard wired) to the building utility services such as electricity, gas or water.
3. Movable equipment which is stationed in one place for more than 8 hours and heavier than 400 pounds are required to be anchored with temporary attachments.

The following mechanical and electrical components shall be positively attached to the structure, but the attachment need not be detailed on the plans. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit.

A. Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.

For those elements that do not require details on the approved drawings, the installation shall be subject to the approval of the design professional in general responsible charge or structural engineer delegated responsibility and the DSA District Structural Engineer. The project inspector will verify that all components and equipment have been anchored in accordance with above requirements.

Piping, Ductwork, and Electrical Distribution System Bracing Note
Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-10 Section 13.3 as defined in ASCE 7-10 Section 13.6.5.6, 13.6.7, 13.6.8, and 2013 CBC, Sections 1616A.1.23, 1616A.1.24, 1616A.1.25 and 1616A.1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., SMACNA or OSHPD OPM), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E):

MP☐MD☐PP☐ E☒ - Option 1: Detailed on the approved drawings with project specific notes and details.

MP☐MD☐PP☐ E☐ - Option 2: Shall comply with the applicable OSHPD Pre-Approval (OPM #) #__________.

MP☐MD☐PP☐ - Option 3: Shall comply with the SMACNA Seismic Restraint Manual, OSHPD Edition (2009), including any addenda. Fasteners and other attachments not specifically identified in the SMACNA Seismic Restraint Manual, OSHPD Edition, are detailed on the approved drawings with project specific notes and details. The details shall account for the applicable Seismic Hazard Level _____ and Connection Level _____ for the project and conditions.

GENERAL NOTES

1. UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBER SHALL BE CUT. NEITHER DRILLED NOR NOTCHED. WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

2. CONDUITS RUN ABOVE GRADE: PROVIDE OZ COMPANY TYPE "DX" EXPANSION/DEFLEXION FITTINGS WITH BONDING JUMPER ON ALL CONDUITS AT ALL BUILDING EXPANSION OR SEISMIC JOINT CROSSINGS.

ELECTRICAL DRAWING INDEX

E0-1	SYMBOL LIST, NOTES AND DETAILS
E0-2	SINGLE LINE DIAGRAM
E0-3	DETAILS
E0-4	EQUIPMENT ANCHORAGE SCHEDULE
E0-5	LIGHTING FIXTURE SCHEDULE AND DETAILS
E0-6	INDOOR TITLE 24 CALCULATIONS
ES-1	OVERALL SITE ELECTRICAL PLAN
ES-2	ENLARGED SITE ELECTRICAL PLAN
ED-1	DEMOLITION ELECTRICAL PLANS
E1-1	LIGHTING PLANS
E2-1	POWER PLANS
E2-2	ROOF ELECTRICAL PLAN
EF-1	FIRE ALARM EQUIPMENT SCHEDULE, NOTES AND DETAILS
EF-2	FIRE ALARM CALCULATIONS
EF-3	FIRE ALARM PLAN
ET-1	TELECOM SYMBOL LIST, NOTES AND DETAILS
ET-2	TELECOM PLANS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

No. E 10372
Exp. 09-30-20

FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaengr.com
FBA Job Number: 212.220

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

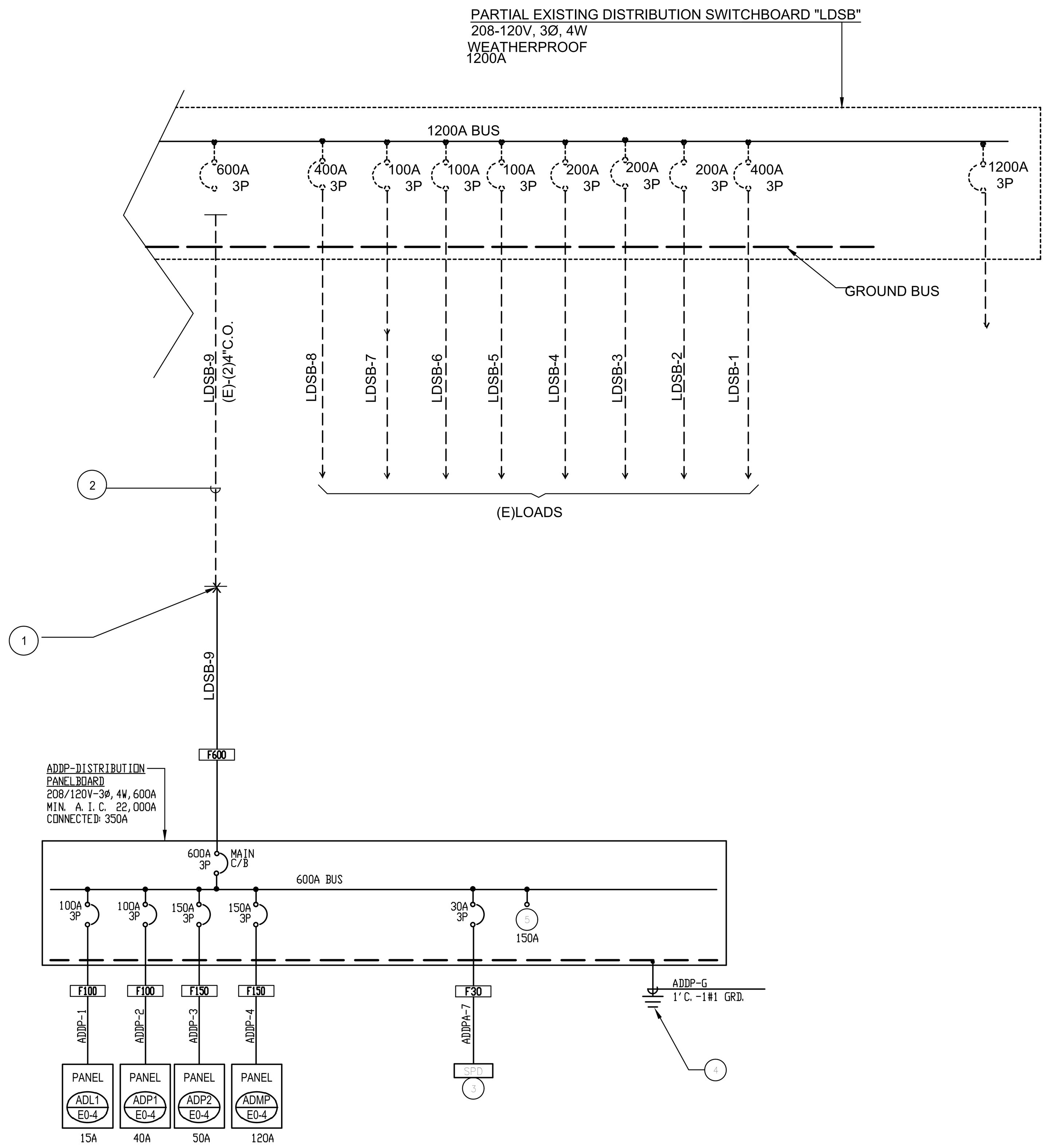
owner

tBP project number : 20987.00
file name:
drawn by: checked by:
date 8.29.19

Rev:	date:	description:

drawing title:
SYMBOL LIST, NOTES AND DETAILS

drawing no.:
E0-1
drawing of



PLAN NOTES:

1. INTERCEPT AT EXISTING STUB-OUT CONDUIT AND EXTEN AS INDICATED TO NEW PANEBOARD IN ADMIN ELECTRICAL ROOM.
2. PROVIDE 4#350MCM, 1#GRD IN EACH EXISTING 4"C.
3. PROVIDE SURGE PROTECTION DEVICE MOUNTED ADJACENT TO PANELBOARD.
4. PROVIDE GROUNDING SYSTEM PER DETAIL "4/E-0.3".
5. PROVIDE SPACE FOR TWO(2) FUTURE PROTECTION DEVICE SIZE AS INDICATE.

SINGLE LINE DIAGRAM GENERAL NOTES:

1. ALL FEEDER LENGTHS INDICATED ON THE SINGLE LINE DIAGRAM ARE ONLY FOR CALCULATION PURPOSES AND NOT FOR TAKE-OFF.

2. THE GROUNDING ELECTRODE, CONDUCTOR SIZE, AND THE NEUTRAL BOND AT THE GENERATOR AND SWITCHBOARD BOTH REQUIRE SIGNS INSTALLED AT THE SERVICE.

3. UNLESS NOTED OTHERWISE, ALL 480/277V PANELS SHALL BE RATED FOR MINIMUM 14,000 AMP. AIC.

4. UNLESS NOTED OTHERWISE, ALL 208/120V PANELS SHALL BE RATED FOR MINIMUM 10,000 AMP. AIC.

FEEDER SCHEDULE

COPPER CONDUCTORS
THW 600V (AWG)

FEEDER TYPE	CONDUIT SIZE AND QUANTITY		CONDUCTORS IN EACH CIRCUIT		
			PHASE/NEUTRAL		EQUIPMENT GROUND WIRE SIZE
	QUAN.	SIZE	QUAN.	SIZE	
F20	1	3/4"	4	12	12
F30	1	3/4"	4	10	10
F40	1	1"	4	8	10
F50	1	1 1/4"	4	6	10
F60	1	1 1/2"	4	4	10
F70	1	1 1/2"	4	4	8
F80	1	2"	4	2	8
F90	1	2"	4	2	8
F100	1	2"	4	1	8
F110	1	2"	4	1	6
F125	1	2"	4	1/0	6
F150	1	2"	4	1/0	6
F175	1	2"	4	2/0	6
F200	1	2 1/2"	4	3/0	6
F225	1	3"	4	4/0	4
F250	1	3"	4	250MCM	4
F275	1	4"	4	350MCM	4
F300	1	4"	4	350MCM	4
F350	1	4"	4	500MCM	2
F400	2	2 1/2"	4	3/0	2
F500	2	3"	4	250MCM	2
F600	2	4"	4	350MCM	1
F700	2	4"	4	500MCM	1/0
F800	3	4"	4	350MCM	1/0
F900	3	4"	4	350MCM	2/0
F1000	3	4"	4	500MCM	2/0
F1200	4	4"	4	350MCM	3/0
F1600	5	4"	4	500MCM	4/0
F2000	6	4"	4	500MCM	250MCM
F2500	7	4"	4	500MCM	350MCM
F3000	8	4"	4	500MCM	500MCM
F4000	11	4"	4	500MCM	500MCM
F20/N	1	3/4"	3	12	12
F30/N	1	3/4"	3	10	10
F40/N	1	1"	3	8	10
F50/N	1	1"	3	6	10
F60/N	1	1 1/4"	3	4	10
F70/N	1	1 1/4"	3	4	8
F80/N	1	1 1/4"	3	2	8
F90/N	1	1 1/4"	3	2	8
F100/N	1	1 1/2"	3	1	8
F110/N	1	1 1/2"	3	1	6
F125/N	1	2"	3	1/0	6
F150/N	1	2"	3	1/0	6
F175/N	1	2"	3	2/0	6
F200/N	1	2"	3	3/0	6
F225/N	1	2 1/2"	3	4/0	4
F250/N	1	2 1/2"	3	250MCM	4
F275/N	1	3"	3	350MCM	4
F300/N	1	3"	3	350MCM	4
F350/N	1	4"	3	500MCM	2
F400/N	2	2"	3	3/0	2
F500/N	2	2 1/2"	3	250MCM	2
F600/N	2	3"	3	350MCM	1
F700/N	2	4"	3	500MCM	1/0
F800/N	3	3"	3	350MCM	1/0
F350/U	-	-	-	-	-
F400/U	2	3"	4	4/0	2
F500/U	2	4"	4	350MCM	1/0
F600/U	2	4"	4	500MCM	2/0
F700/U	2	4"	4	500MCM	2/0
F800/U	3	4"	4	350MCM	2/0
F900/U	3	4"	4	500MCM	4/0
F1000/U	3	4"	4	500MCM	4/0
F1200/U	4	4"	4	500MCM	250MCM
F1600/U	6	4"	4	500MCM	250MCM
F2000/U	8	4"	4	500MCM	350MCM
F2500/U	9	4"	4	500MCM	500MCM
F3000/U	11	4"	4	500MCM	500MCM
F4000/U	15	4"	4	500MCM	500MCM
F350/NU	-	-	-	-	-
F400/NU	2	3"	3	4/0	2
F500/NU	2	4"	3	350MCM	1/0
F600/NU	2	4"	3	500MCM	1/0
F700/NU	2	4"	3	500MCM	1/0
F800/NU	3	4"	3	350MCM	2/0
F60/DN	1	1 1/2"	3/1	4/1	10
F100/DN	1	2"	3/1	1/2/0	8
F125/DN	1	2 1/2"	5	1/0	6
F150/DN	1	2 1/2"	5	1/0	4
F225/DN	1	3"	5	4/0	4
F300/DN	1	4"	5	350MCM	2
F400/DN	2	3"	5	3/0	2
F600/DN	2	4"	5	350MCM	1
F800/DN	3	5"	5	350MCM	1/0
F1200/DN	4	4"	5	350MCM	3/0
F1600/DN	5	5"	5	500MCM	4/0

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159
agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

FBA Engineering
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

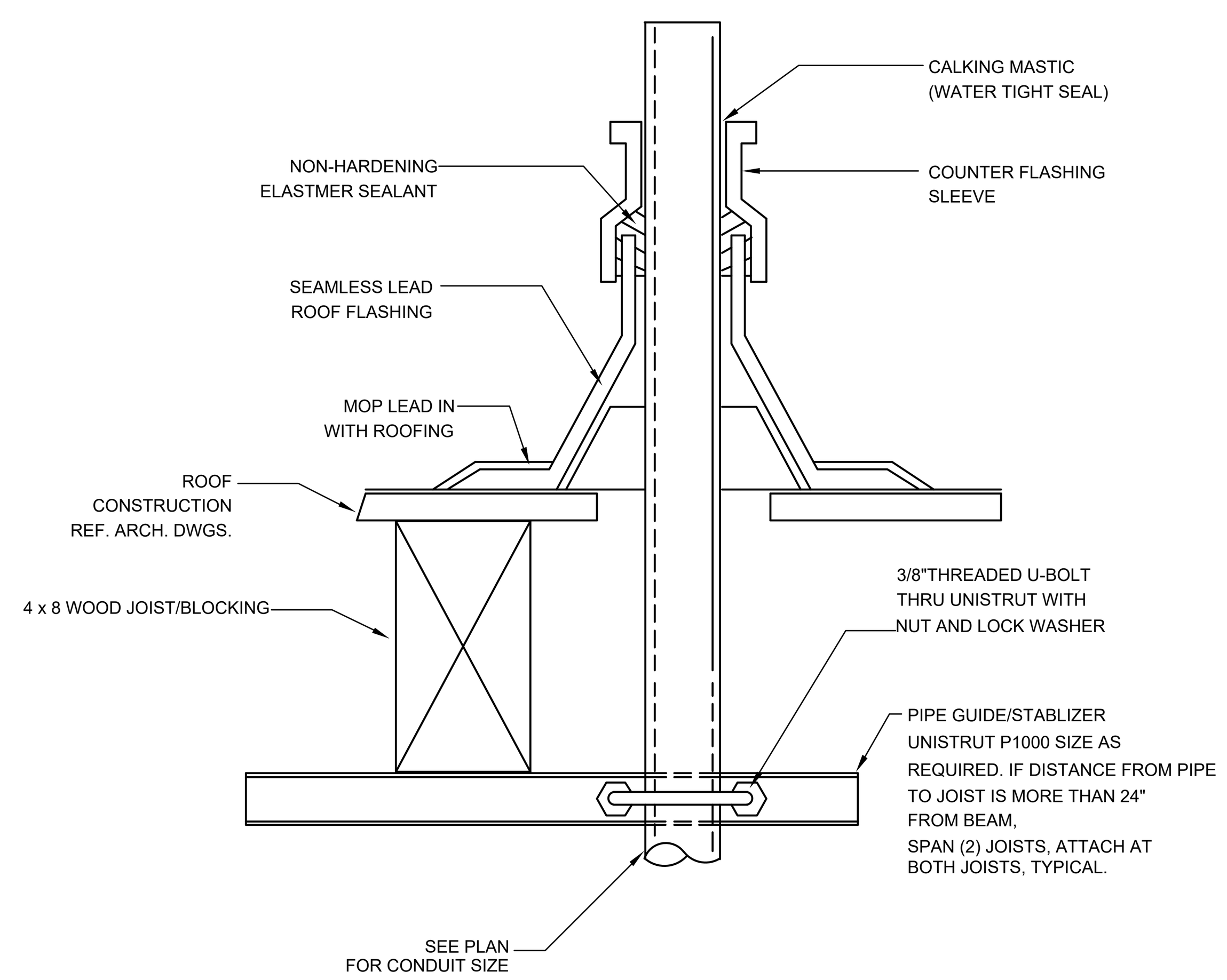
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221

owner

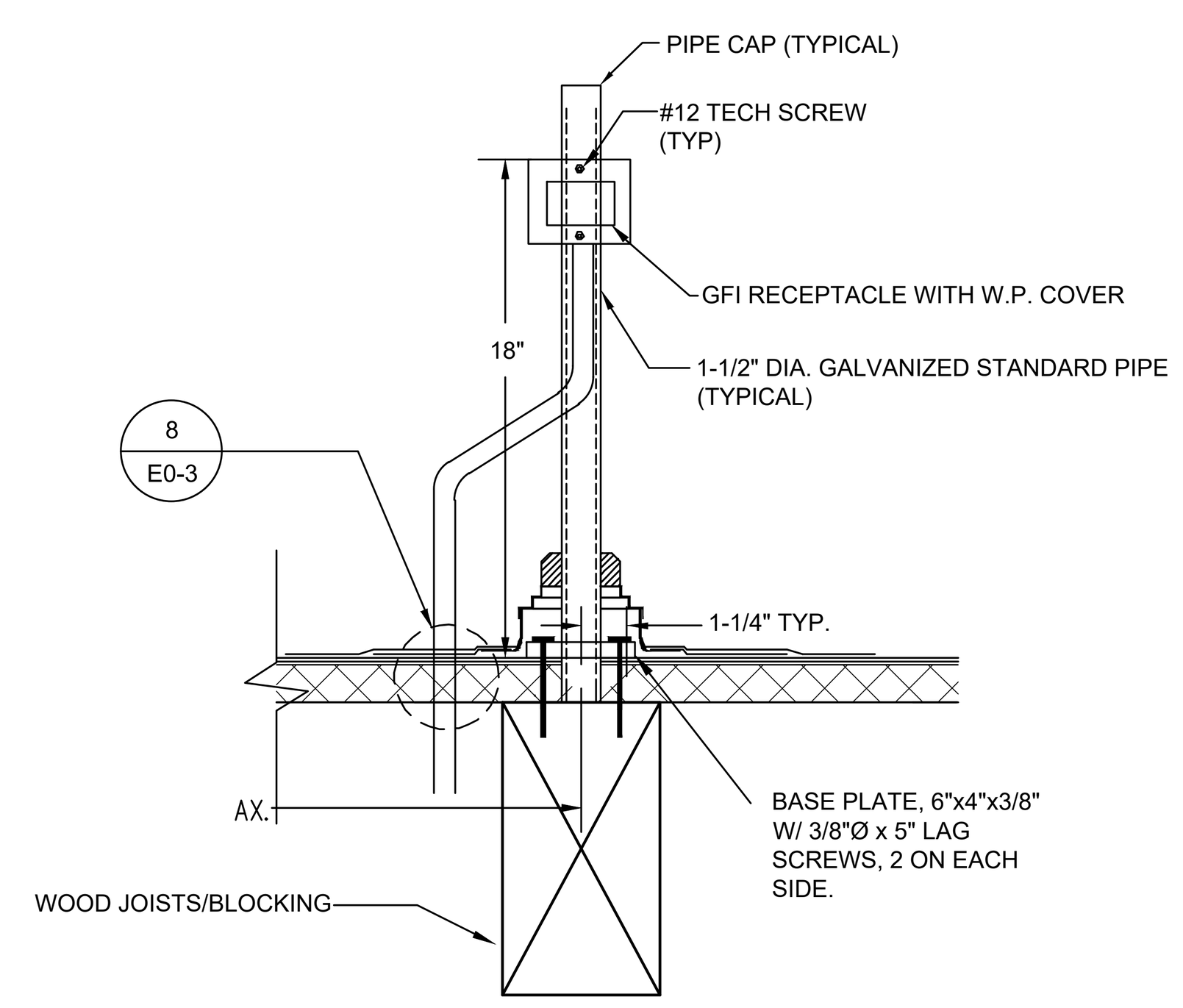
tBP project number : 20987.00
file name:
drawn by: checked by:
date 8.29.19
Rev: date: description:

drawing title:
SINGLE LINE DIAGRAM

drawing no.:
E0-2
drawing of



CONDUIT PENETRATION THRU ROOF SUPPORT — SCALE N.T.S. — 8



ROOF RECEPTACLE MOUNTING DETAIL — SCALE N.T.S. — 7

1. WALL ASSEMBLY -- THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED THE MATERIALS AND IN THE MANNER SPECIFIED IN OF THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

   STUDS -- WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC. STEEL STUDS TO BE MIN 2-1/2 IN. WIDE AND SPACED MAX 24 IN. OC. WHEN STEEL STUDS ARE USED AND THE DIAM OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. WIDER AND 4 TO 6 IN. HIGHER THAN THE DIAM. OF THE PENETRATING ITEM SUCH THAT WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.

   GYPSUM BOARD* -- 5/8 IN. THICK, 4 FT WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 32-1/4 IN. FOR STEEL STUD WALLS. MAX DIAM OF OPENING IS 14-1/2 IN. FOR WOOD STUD WALLS. THE F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY.

2. THROUGH-PENETRANTS -- ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 2-1/4 IN. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES FROM PERPENDICULAR. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

   A. STEEL PIPE -- NOM 30 IN DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

   B. IRON PIPE -- NOM 30 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.

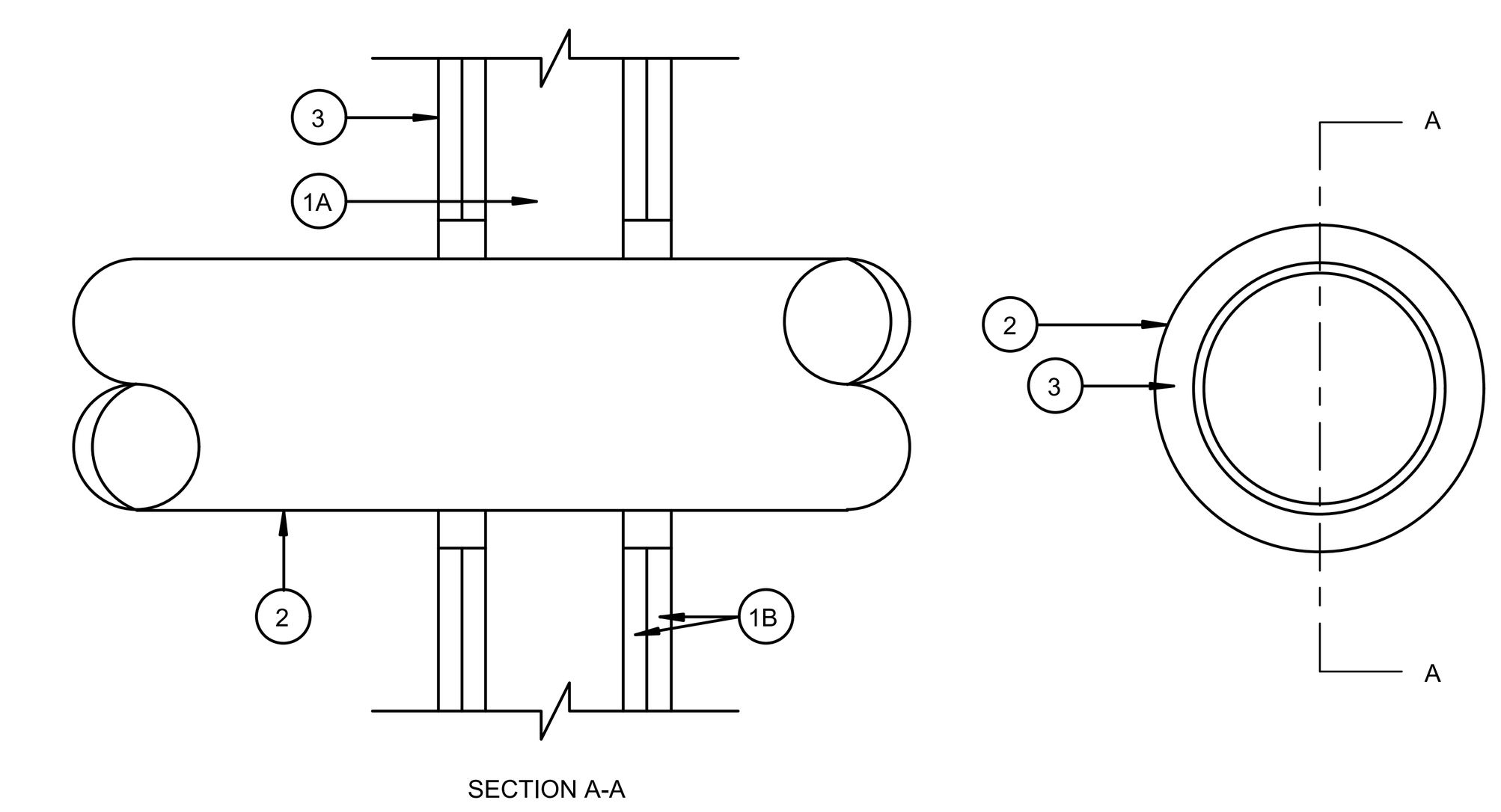
   C. CONDUIT -- NOM 4 IN DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. DIAM STEEL CONDUIT.

   D. COPPER TUBING -- NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.

   E. COPPER PIPE -- NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

3. FILL, VOID OR CAVITY MATERIAL* -- SEALANT -- MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2 IN. DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL .

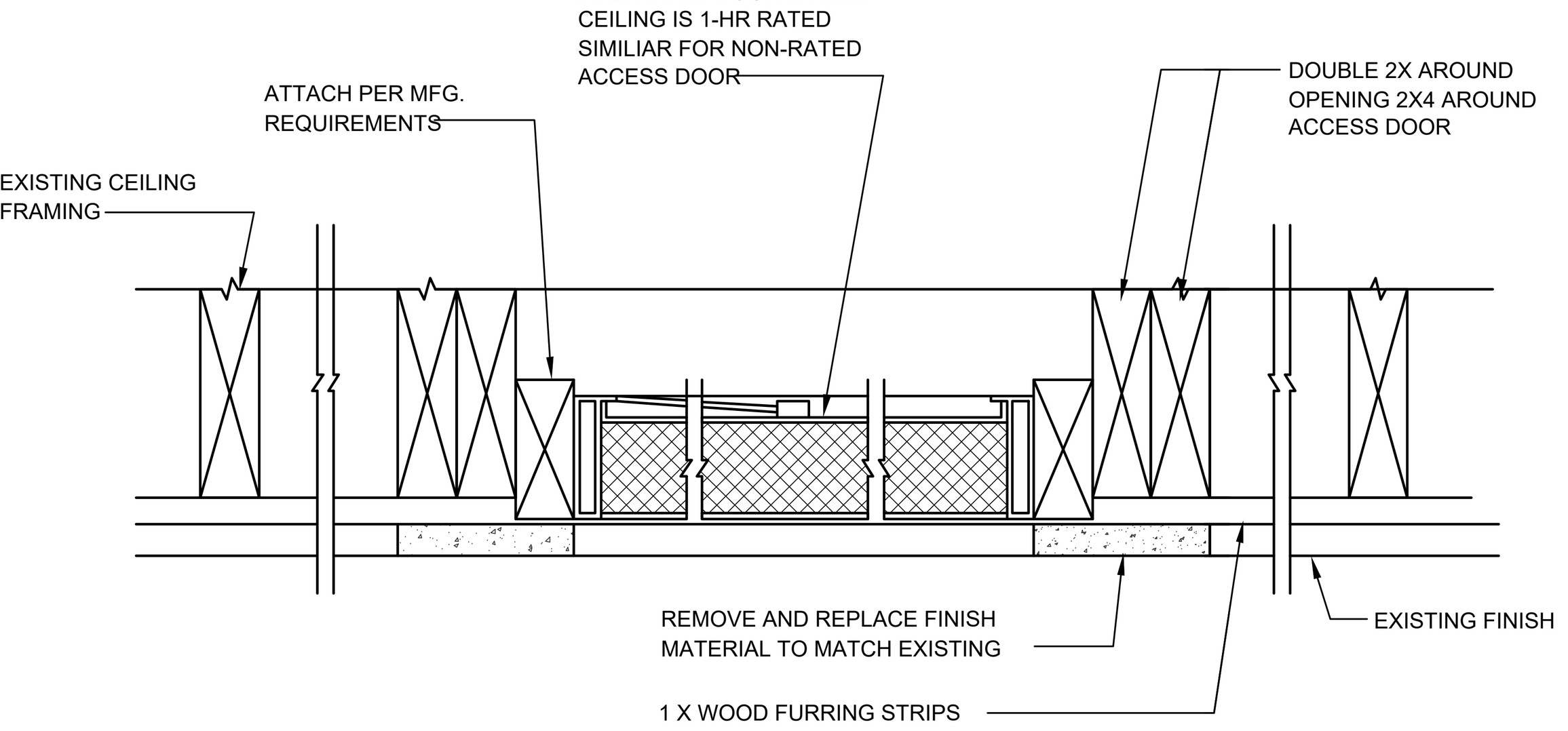
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC -- FS-ONE SEALANT
   *BEARING THE UL CLASSIFICATION MARK



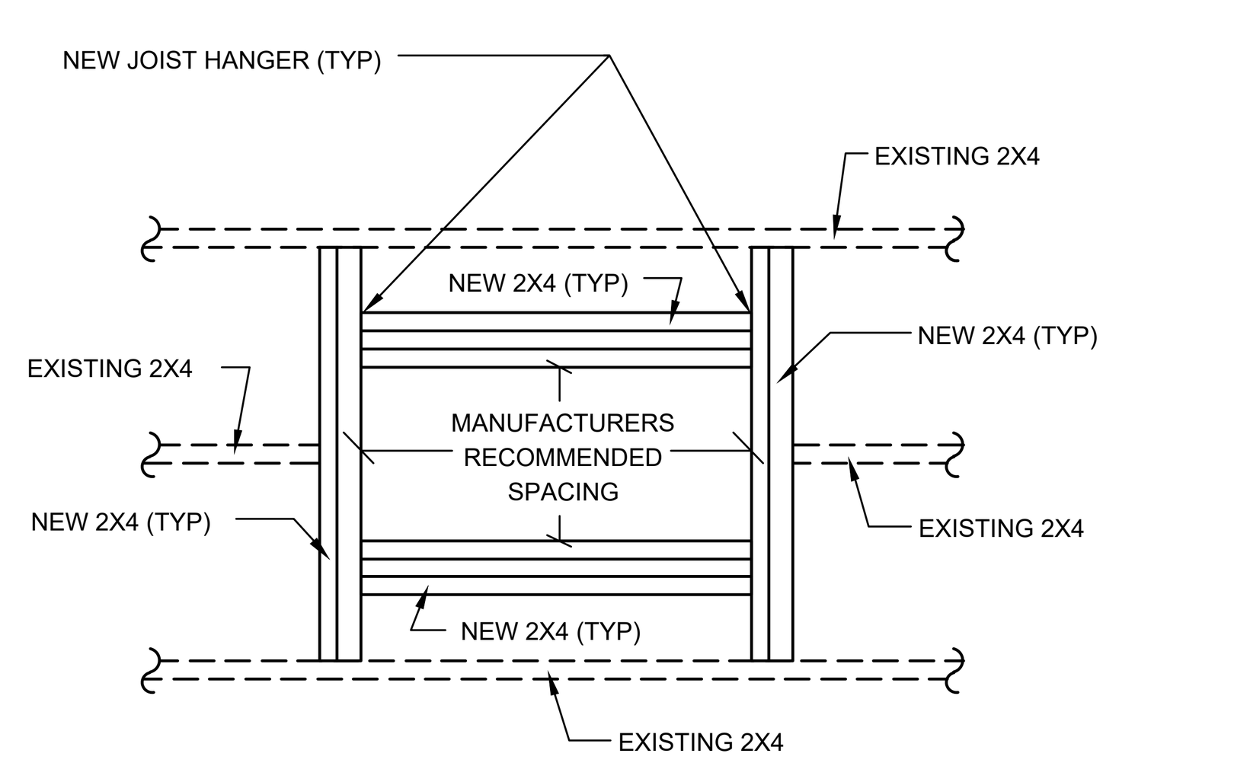
System No. W-L-1054
F Ratings - 1 and 2 Hr (See Items 1 and 3)
T Rating - 0 Hr

L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - 4 CFM/Sq Ft

RATED STUD WALL FIRE STOP DETAIL — SCALE N.T.S. — 1



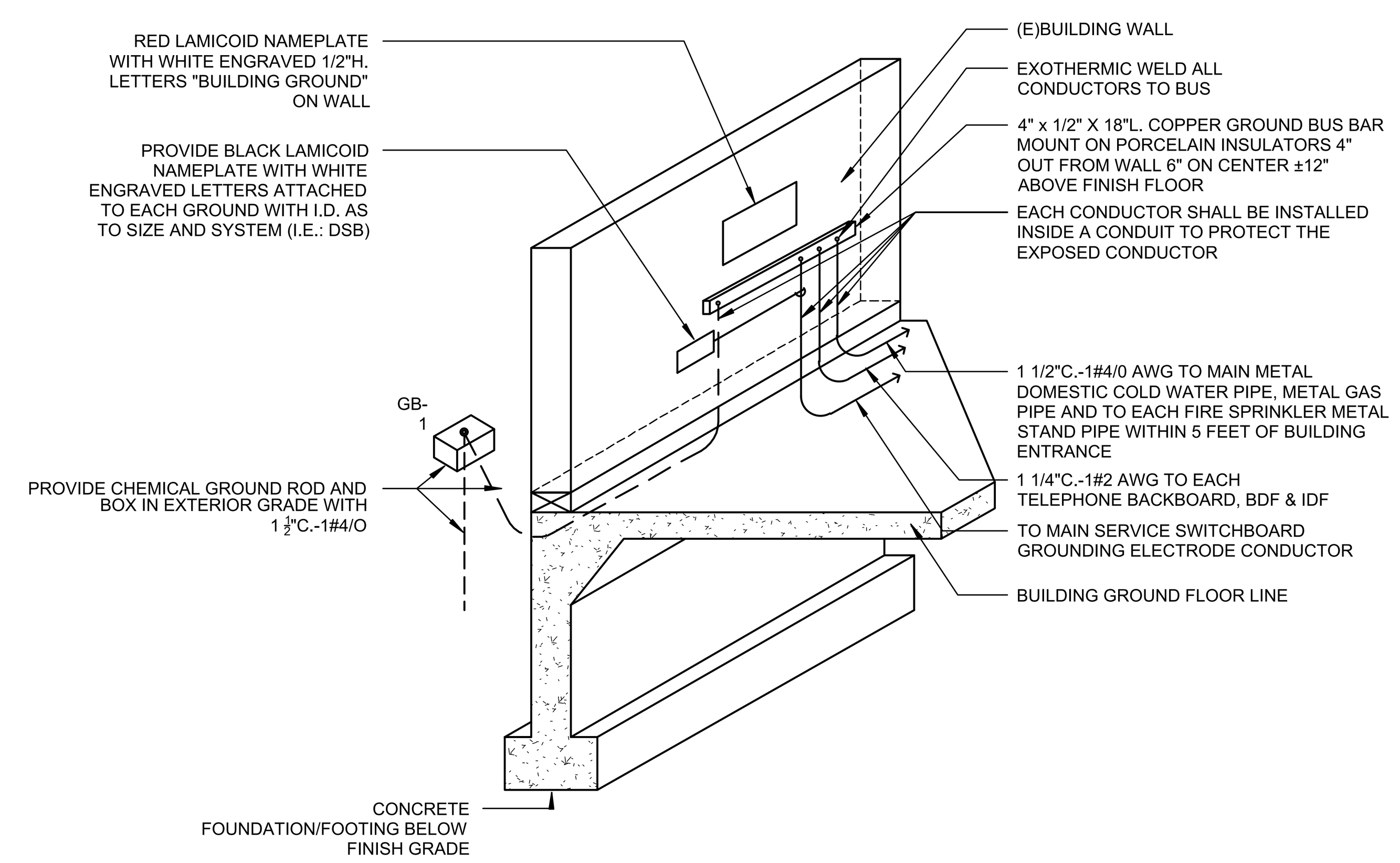
SIDE VIEW
SCALE: NONE



1. PROVIDE SIMPSON HUC-24(AT SINGLE 2X4) AND HUC24-2(AT DOUBLE 2X4) JOIST HANGERS ON ALL CUT JOIST AND NEW OUTER BOX HEADER.
2. A-35 BRACKETS ON ALL REMAINING CORNERS OF BOX.
3. USE MANUFACTURER'S SPECIFIED FASTENERS ON ALL BRACKETS AND HANGERS.
4. USE #16 NAILS ON ALL SISTERED JOISTS 12" ON CENTER.

TOP VIEW
SCALE: NONE

ACCESS PANEL DETAIL — SCALE N.T.S. — 6



BUILDING ELECTRICAL SERVICE GROUND BUS DETAIL — SCALE N.T.S. — 4

1. FLOOR OR WALL ASSEMBLY MIN 4-1/2 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF OPENING IS 32 IN.

2. METALLIC SLEEVE (OPTIONAL) NOM 32 IN. DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL SLEEVE CAST OR GROUTED INTO FLOOR OR WALL ASSEMBLY, FLUSH WITH FLOOR OR WALL SURFACES.

3. THROUGH-PENETRANT ONE METALLIC PIPE OR CONDUIT TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND PERIPHERY OF OPENING SHALL BE MIN 0 IN. (POINT CONTACT) TO MAX 1-7/8 IN. PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:

   A. STEEL PIPE: NOM 30 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.

   B. IRON PIPE: NOM 30 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.

   C. COPPER PIPE: NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

   D. COPPER TUBING: NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.

   E. CONDUIT: NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT.

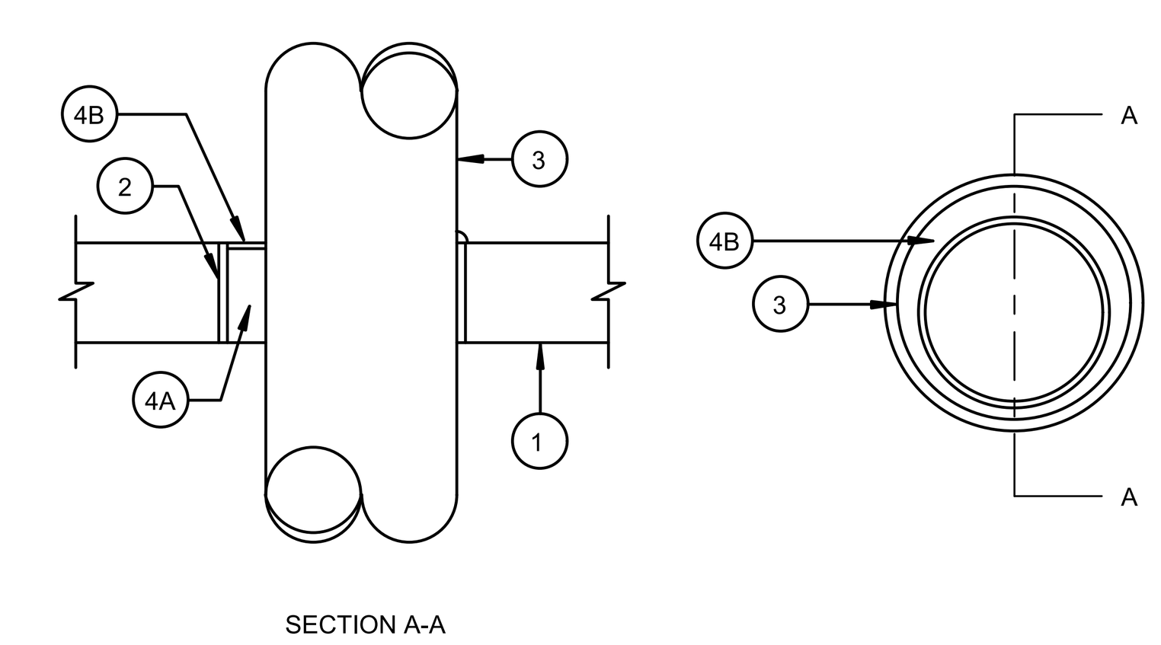
   F. CONDUIT: NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING (EMT).

4. FIRE STOP SYSTEM THE FIRESTOP SYSTEM SHALL CONSIST OF THE FOLLOWING:

   A. PACKING MATERIAL MIN 4 IN. THICKNESS OF MIN 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL.

   B. FILL, VOID OR CAVITY MATERIAL* -- SEALANT MIN 1/4 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND CONCRETE, A MIN 1/4 IN. DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE CONCRETE/PIPE INTERFACE ON THE TOP SURFACE OF FLOOR AND ON BOTH SURFACES OF WALL.

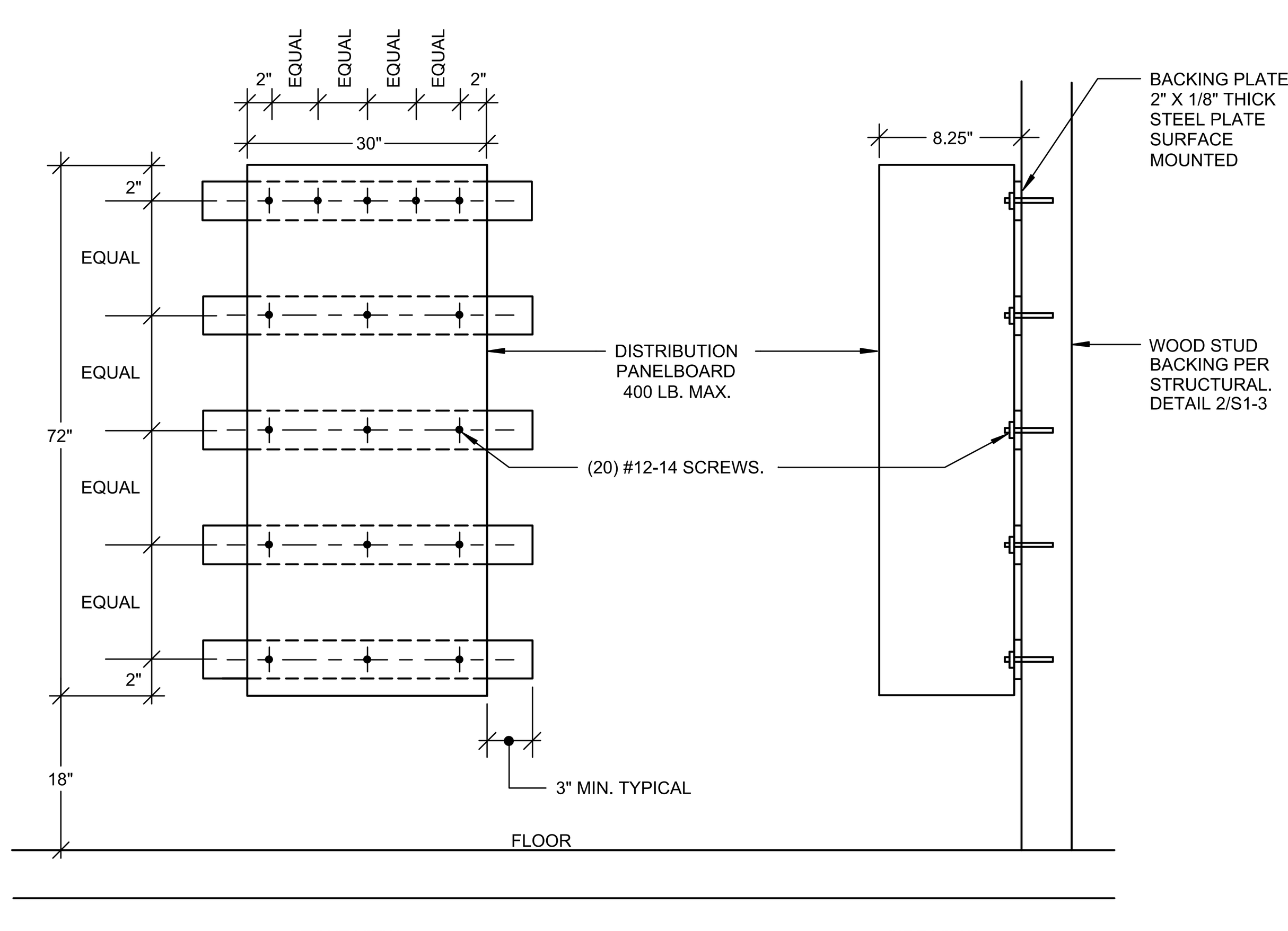
   HILTI CONSTRUCTION CHEMICALS, DIV OF
   HILTI INC - FS-One Sealant
   *Bearing the UL Classification Marking



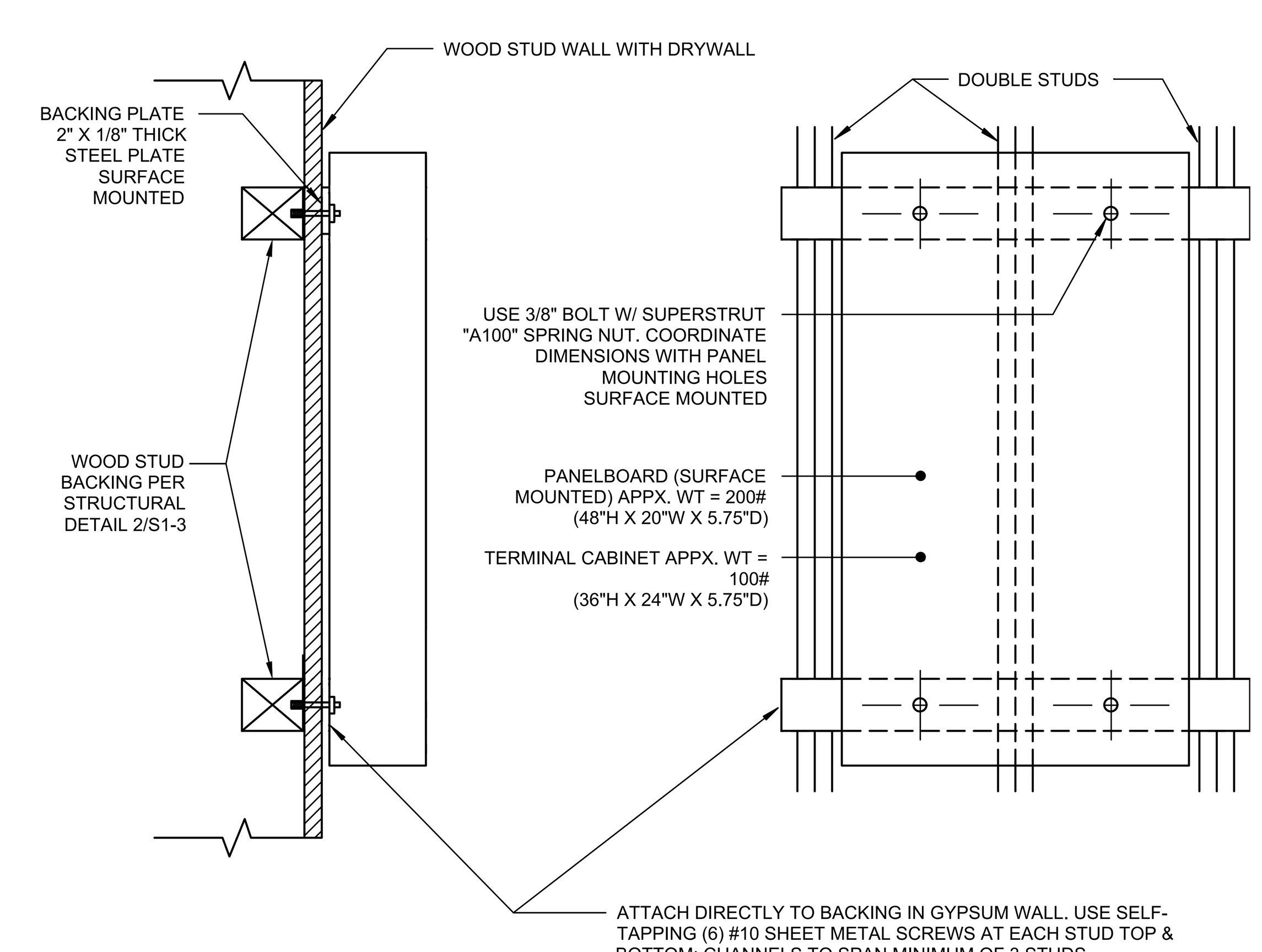
System No. C-AJ-1226
F RATING = 3-HR.
T RATING = 0-HR.

L Rating At Ambient - Less Than 1 CFM/Sq Ft
L Rating At 400 F - 4 CFM/Sq Ft

RATED CONCRETE FLOOR/WALL SINGLE CONDUIT FIRE STOP DETAIL — SCALE N.T.S. — 2



DISTRIBUTION PANELBOARD ANCHORAGE — SCALE N.T.S. — 5



SURFACE MOUNTED PANELBOARD/TERMINAL CABINET ANCHORAGE — SCALE N.T.S. — 3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159
agency

tBP
architecture planning interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

FBA Engineering
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221
owner

tBP project number : 20987.00
file name:
drawn by: checked by:
date 8.29.19
Rev: date: description:

drawing title:
DETAILS

drawing no.:
E0-3
drawing of

PROJECT NO. 212220

VOLTS 120/208
PHASE 3PH, 4W
MTG RECESSED

PANELBOARD ADP2
LOCATION STORAGE 130

MAIN 225A
BUS 225A

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION		CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	900	-----	-----	R	20/1	1	FURNITURE SYSTEM	A	2	900	-----	-----	R	20/1	1	FURNITURE SYSTEM
3	-----	900	-----	R	20/1	1	FURNITURE SYSTEM	B	4	-----	900	-----	R	20/1	1	FURNITURE SYSTEM
5	-----	-----	900	R	20/1	1	FURNITURE SYSTEM	C	6	-----	-----	900	R	20/1	1	FURNITURE SYSTEM
7	900	-----	-----	R	20/1	1	FURNITURE SYSTEM	A	8	900	-----	-----	R	20/1	1	FURNITURE SYSTEM
9	-----	900	-----	R	20/1	1	FURNITURE SYSTEM	B	10	-----	900	-----	R	20/1	1	FURNITURE SYSTEM
11	-----	-----	900	R	20/1	1	FURNITURE SYSTEM	C	12	-----	-----	900	R	20/1	1	FURNITURE SYSTEM
13	900	-----	-----	R	20/1	1	FURNITURE SYSTEM	A	14	900	-----	-----	R	20/1	1	FURNITURE SYSTEM
15	-----	900	-----	R	20/1	1	FURNITURE SYSTEM	B	16	-----	900	-----	R	20/1	1	FURNITURE SYSTEM
17	-----	-----	900	R	20/1	1	FURNITURE SYSTEM	C	18	-----	-----	900	R	20/1	1	FURNITURE SYSTEM
19	900	-----	-----	R	20/1	1	FURNITURE SYSTEM	A	20	900	-----	-----	R	20/1	1	FURNITURE SYSTEM
21	-----	900	-----	R	20/1	1	FURNITURE SYSTEM	B	22	-----	900	-----	R	20/1	1	FURNITURE SYSTEM
23	-----	-----	900	R	20/1	1	FURNITURE SYSTEM	C	24	-----	-----	900	R	20/1	1	FURNITURE SYSTEM
25		-----	-----		20/1		SPARE	A	26	900	-----	-----	R	20/1	1	FURNITURE SYSTEM
27	-----		-----		20/1		SPARE	B	28	-----	900	-----	R	20/1	1	FURNITURE SYSTEM
29	-----	-----			20/1		SPARE	C	30	-----	-----	900	R	20/1	1	FURNITURE SYSTEM
31		-----	-----		20/1		SPARE	A	32	900	-----	-----	R	20/1	1	FURNITURE SYSTEM
33	-----		-----		20/1		SPARE	B	34	-----		-----		20/1		SPARE
35	-----	-----			20/1		SPARE	C	36	-----	-----			20/1		SPARE
37		-----	-----		20/1		SPARE	A	38		-----	-----		20/1		SPARE
39	-----		-----		20/1		SPARE	B	40	-----		-----		20/1		SPARE
41	-----	-----			20/1		SPARE	C	42	-----	-----			20/1		SPARE

CONNECTED:

	VA	AMPS
PHASE A =	9000	75
PHASE B =	8100	68
PHASE C =	8100	68
TOTAL =	25200	70

L.C.L. @ 125% =
RECEPT. ( ) 10 kVA @ 50%) = 17600
KITCHEN @ 65% =
OTHER LOAD @ 100% =
TOTAL VA = 17600
TOTAL AMPS = 49

LOAD TYPE:
G - GENERAL (100%) M - MOTOR (100%)
L - L.C.L. (125%) M1 - MOTOR (125%)
R - RECEPTACLE (50%) X - X-RAY (100%)
(10 kVA @ 100%) X1 - X-RAY (50%)
K - KITCHEN (65%)

PROJECT NO. 212220

VOLTS 120/208
PHASE 3PH, 4W
MTG SURFACE

PANELBOARD ADMP
LOCATION (E) HEATER ROOM

MAIN 225A
BUS 225A

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION		CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	4608	-----	-----	M1	50/3	1	RTU-2	A	2	4608	-----	-----	M1	50/3	1	RTU-3
3	-----	4608	-----	M1	-	-	----	B	4	-----	4608	-----	M1	-	-	----
5	-----	-----	4608	M1	-	-	----	C	6	-----	-----	4608	M1	-	-	----
7	2600	-----	-----	M1	30/2	1	CU-1	A	8		-----	-----				SPARE
9	-----	2600	-----	M1	-	-	----	B	10	-----		-----				SPARE
11	-----	-----	800	M1	20/1	1	EF-1	C	12	-----	-----					SPARE
13		-----	-----				SPARE	A	14		-----	-----				SPARE
15	-----		-----				SPARE	B	16	-----		-----				SPARE
17	-----	-----					SPARE	C	18	-----	-----					SPARE
19		-----	-----				SPARE	A	20		-----	-----				SPARE
21	-----		-----				SPARE	B	22	-----		-----				SPARE
23	-----	-----					SPARE	C	24	-----	-----					SPARE
25		-----	-----				SPREA	A	26		-----	-----				SPARE
27	-----		-----				SPARE	B	28	-----		-----				SPARE
29	-----	-----					SPARE	C	30	-----	-----					SPARE
31		-----	-----				SPARE	A	32		-----	-----				SPARE
33	-----		-----				SPARE	B	34	-----		-----				SPARE
35	-----	-----					SPARE	C	36	-----	-----					SPARE
37		-----	-----				SPACE	A	38		-----	-----				SPACE
39	-----		-----				SPACE	B	40	-----		-----				SPACE
41	-----	-----					SPACE	C	42	-----	-----					SPACE

CONNECTED:

	VA	AMPS
PHASE A =	11816	98
PHASE B =	11816	98
PHASE C =	10016	83
TOTAL =	33648	93

L.C.L. @ 125% = 42060
RECEPT. ( ) 10 kVA @ 50%) =
KITCHEN @ 65% =
OTHER LOAD @ 100% =
TOTAL VA = 42060
TOTAL AMPS = 117

LOAD TYPE:
G - GENERAL (100%) M - MOTOR (100%)
L - L.C.L. (125%) M1 - MOTOR (125%)
R - RECEPTACLE (50%) X - X-RAY (100%)
(10 kVA @ 100%) X1 - X-RAY (50%)
K - KITCHEN (65%)

ELECTRICAL EQUIPMENT SCHEDULE

PANEL	LOCATIONS	SHEET NUMBER	EQUIPMENT/SYSTEM DESCRIPTION	MAX WEIGHT (LBS)	HEIGHT(IN)	WIDTH (IN.)	MOUNTING TYPE	ANCHOR. DETAIL
ADL1	(E) MAIL ROOM	E2-1	PANELBOARD	200	48"	6"	WALL	6/E0-3
ADP1	(E) MAIL ROOM	E2-1	PANELBOARD	200	48"	6"	WALL	6/E0-3
ADP2	(E) MAIL ROOM	E2-1	PANELBOARD	200	48"	6"	WALL	6/E0-3
MDF	(E) TELE. EQUIP	E2-1	PANELBOARD	200	48"	6"	WALL	6/E0-3
ADMP	(E) HEATER ROOM	E2-1	DIST. PANEL	400	72"	12"	WALL	5/E0-3

PROJECT NO. 212220

VOLTS 120/208
PHASE 3PH, 4W
MTG SUFACE

PANELBOARD ADL1
LOCATION ELECTRICAL ROOM

MAIN 100A
BUS 225A

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION		CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	313	-----	-----	L	20/1	10	LIGHTING - CORRIDOR	A	2		-----	-----		-		SPARE
3	-----	387	-----	L	20/1	9	LIGHTING - OFFICES	B	4	-----		-----		-	-	SPARE
5	-----	-----	606	L	20/1	15	LIGHTING - OFFICES	C	6	-----	-----			-	-	SPARE
7	430	-----	-----	L	20/1	10	LIGHTING - OFFICES	A	8		-----	-----				SPARE
9	-----	43	-----	L	20/1	1	LIGHTING - OFFICES	B	10	-----		-----				SPARE
11	-----	-----	1600	L	20/1	3	LIGHTING - OFFICES	C	12	-----	-----					SPARE
13		-----	-----				SPARE	A	14		-----	-----				SPARE
15	-----		-----				SPARE	B	16	-----		-----				SPARE
17	-----	-----					SPARE	C	18	-----	-----					SPARE
19		-----	-----				SPARE	A	20		-----	-----				SPARE
21	-----		-----				SPARE	B	22	-----		-----				SPARE
23	-----	-----					SPARE	C	24	-----	-----					SPARE
25		-----	-----				SPREA	A	26		-----	-----				SPARE
27	-----		-----				SPARE	B	28	-----		-----				SPARE
29	-----	-----					SPARE	C	30	-----	-----					SPARE
31		-----	-----				SPARE	A	32		-----	-----				SPARE
33	-----		-----				SPARE	B	34	-----		-----				SPARE
35	-----	-----					SPARE	C	36	-----	-----					SPARE
37		-----	-----				SPACE	A	38		-----	-----				SPACE
39	-----		-----				SPACE	B	40	-----		-----				SPACE
41	-----	-----					SPACE	C	42	-----	-----					SPACE

CONNECTED:

	VA	AMPS
PHASE A =	743	6
PHASE B =	430	4
PHASE C =	2206	18
TOTAL =	3379	9

L.C.L. @ 125% = 4224
RECEPT. ( ) 10 kVA @ 50%) =
KITCHEN @ 65% =
OTHER LOAD @ 100% =
TOTAL VA = 4224
TOTAL AMPS = 12

LOAD TYPE:
G - GENERAL (100%) M - MOTOR (100%)
L - L.C.L. (125%) M1 - MOTOR (125%)
R - RECEPTACLE (50%) X - X-RAY (100%)
(10 kVA @ 100%) X1 - X-RAY (50%)
K - KITCHEN (65%)

PROJECT NO. 212220

VOLTS 120/208
PHASE 3PH, 4W
MTG RECESSED

PANELBOARD ADP1
LOCATION STORAGE 134

MAIN 225A
BUS 225A

CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION		CKT	A	B	C	LOAD TYPE	BKR	OUTLET QUAN	DESCRIPTION
1	1000	-----	-----	G	20/1	1	POWER ASSISTED DOOR	A	2	540	-----	-----	R	20/1	3	RECEPTS. WAITING
3	-----	720	-----	R	20/1	4	RECEPTS. CONVENIENCE	B	4	-----	540	-----	R	20/1	3	RECEPTS. WAITING
5	-----	-----	720	R	20/1	4	RECEPTS. CONVENIENCE	C	6	-----	-----	900	R	20/1	5	RECEPTS. OFFICE
7	720	-----	-----	R	20/1	4	RECEPTS. OFFICE	A	8	720	-----	-----	R	20/1	4	RECEPTS. OFFICE
9	-----	720	-----	R	20/1	4	RECEPTS. OFFICE	B	10	-----	720	-----	R	20/1	4	RECEPTS. OFFICE
11	-----	-----	900	R	20/1	4	RECEPTS. OFFICE	C	12	-----	-----	540	R	20/1	3	RECEPTS. OFFICE
13	1200	-----	-----	R	20/1	1	RECEPTS. OFFICE	A	14	720	-----	-----	R	20/1	4	RECEPTS. OFFICE
15	-----	720	-----	R	20/1	4	RECEPTS. OFFICE	B	16	-----	720	-----	R	20/1	4	RECEPTS. OFFICE
17	-----	-----	540	R	20/1	3	RECEPTS. OFFICE	C	18	-----	-----	360	R	20/1	2	RECEPTS. OFFICE
19	540	-----	-----	R	20/1	3	RECEPTS. OFFICE	A	20	360	-----	-----	R	20/1	2	RECEPTS. OFFICE
21	-----		-----		20/1		SPARE	B	22	-----	360	-----	R	20/1	2	RECEPTS. OFFICE
23	-----	-----			20/1		SPARE	C	24	-----	-----	540	R	20/1	3	RECEPTS. OFFICE
25		-----	-----		20/1		SPARE	A	26		-----	-----		20/1		SPARE
27	-----		-----		20/1		SPARE	B	28	-----		-----		20/1		SPARE
29	-----	-----			20/1		SPARE	C	30	-----	-----			20/1		SPARE
31		-----	-----		20/1		SPARE	A	32		-----	-----		20/1		SPARE
33	-----		-----		20/1		SPARE	B	34	-----		-----		20/1		SPARE
35	-----	-----			20/1		SPARE	C	36	-----	-----			20/1		SPARE
37		-----	-----		20/1		SPARE	A	38		-----	-----		20/1		SPARE
39	-----		-----		20/1		SPARE	B	40	-----		-----		20/1		SPARE
41	-----	-----			20/1		SPARE	C	42	-----	-----			20/1		SPARE

CONNECTED:

	VA	AMPS
PHASE A =	5800	48
PHASE B =	4500	38
PHASE C =	4500	38
TOTAL =	14800	41

L.C.L. @ 125% =
RECEPT. ( ) 10 kVA @ 50%) = 11900
KITCHEN @ 65% =
OTHER LOAD @ 100% = 1000
TOTAL VA = 12900
TOTAL AMPS = 36

LOAD TYPE:
G - GENERAL (100%) M - MOTOR (100%)
L - L.C.L. (125%) M1 - MOTOR (125%)
R - RECEPTACLE (50%) X - X-RAY (100%)
(10 kVA @ 100%) X1 - X-RAY (50%)
K - KITCHEN (65%)

PANEL SCHEDULE KEYPLAN

ADP2 ADMP
LA1
ADP1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

REGISTERED PROFESSIONAL ENGINEER
STEVEN R. SLICEK
No. E 10372
Exp. 09-30-20
ELECTRICAL
STATE OF CALIFORNIA

FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaengr.com
FBA Job Number: 212.220

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00
file name:
drawn by: checked by:
date 8.29.19

Rev: date: description:

drawing title:
EQUIPMENT ANCHORAGE SCHEDULE

drawing no.:
E0-4
drawing of

LIGHTING FIXTURE SCHEDULE

FBA # 212220

TYPE	COUNT	LIGHT FIXTURE DESCRIPTION	FIXTURE MAXIMUM TOTAL INPUT WATTS	FIXTURE MOUNTING	LAMP TYPE	LAMP COLOR TEMPERATURE K°	LAMP CRI, NOT LESS THAN	TOTAL ALL LAMPS INITIAL MINIMUM LUMEN OUTPUT	WEIGHT (LBS)	MOUNTING DETAIL	CATALOG NUMBER
A1	38	LED LUMINAIRE WITH STEEL HOUSING AND DIE FORMED WHITE PAINTED REFLECTOR; LUMINOUS CENTER. INTEGRAL DIMMABLE DRIVER(S).	43	RECESSED T-BAR	LED	4000	82	5500	16 LBS		FOCAL POINT " AMICA 2" SERIES #FAM2-24-ACR-5500L-40K-1C-UNV-L11-XX-WH HE WILLIAMS #LT-24-L52/840-AF-(4)EQ.CLIPS-DIM-UNV OR EQUAL BY LITHONIA
A1-EM		SAME AS TYPE A1 EXCEPT WITH INTEGRAL EMERGENCY BATTERY PACK FOR 90 MINUTES OF EMERGENCY ILLUMINATION.									
B1		LED CABLE SUSPENDED DIRECT/INDIRECT, FLUSH FROSTED LENS TOP AND BOTTOM, INTEGRAL DIMMING DRIVERS, 44' - 0" OVERALL LENGTH IN 4' AND 8' SECTIONS 60/40 DISTRIBUTION. PROVIDE INTEGRAL EMERGENCY BATTERY PACKS WHERE INDICATED ON DRAWINGS.	803	SUSPENDED CABLE	LED	4000	82	8500/4'		A/E0-5	FOCAL POINT "SEEM 4" #FSM4OS-FLFL-1250N/875UP-40K-1C-UNV-LH1-C96-EM-44' FINELITE #HP-4-1D-44-B-S-840-F-F-VOLT-FA-SC-CX OR EQUAL BY PEERLESS
B2		SAME AS TYPE B1 EXCEPT 32'-0" OVERALL LENGTH.	584	SUSPENDED CABLE	LED	4000	82	8500/4'		A/E0-5	FOCAL POINT "SEEM 4" #FSM4BS-FLFL-1250DN/875UP-40K-1C-UNV-LH1-C96-EM-32' FINELITE #HP-4-1D-32-B-S-840-F-F-VOLT-FA-SC-CX OR EQUAL BY PHILIPS LEDALITE.
C1		LED SURFACE MOUNTED LUMINAIRE, 8" WIDE x 4'-0" LENGTH; INTEGRAL DIMMING DRIVER, OPAL POLYCARBONATE LENS.	33.5000	SURFACE	LED	4000	82	3495			EATON FAIL-SAFE "HVSL8" SERIES #HVSL8-4-LD4-2-STD-40-UNV-0-EDC-1 OR EQUAL BY KENALL
X1		LED EDGE-LIT EXIT SIGN WITH MIRRORED BACKING, GREEN LETTERS, INTEGRAL NI-CAD BATTERIES FOR 90 MINUTES OF EMERGENCY ILLUMINATION.	4	SURFACE/WALL	LED	-	-	-		-	ISOLITE #ELT-EM-1M/2M-UM-SC/SW-50 EMERGI-LITE #WLX-42/43N-G-M-VA-2CKT OR EQUAL BY LITHONIA

LIGHTING PERFORMANCE NOTES:

1. ALL LED DRIVERS SHALL BE DIMMABLE AND COMPATIBLE WITH THE SPECIFIED LIGHTING CONTROL SYSTEM.

LIGHT FIXTURE NOTES

(NOTE: REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS)

1. FIXTURES LOCATED OUTDOORS SHALL BE RATED FOR STARTING AND OPERATING TEMPERATURES BELOW 0-DEGREES FAHRENHEIT.
2. FIXTURES WITH THE SAME TYPE # SHALL BE THE PRODUCTS OF THE SAME MANUFACTURER, (I.E., TYPE #1, 1A, 1B, ETC., SHALL BE THE SAME MANUFACTURER).
3. THE CONTRACTOR SHALL VERIFY ACTUAL CEILING AND WALL CONSTRUCTION TYPE AS DEFINED ON THE ARCHITECTURAL DRAWINGS AND FURNISH LIGHTING FIXTURES WITH THE CORRECT AND COMPLETE MOUNTING HARDWARE AND MOUNTING DEVICES TO ACCOMMODATE BUILDING CONSTRUCTION AT EACH INSTALL LOCATION, WHETHER OR NOT SUCH VARIATIONS ARE INDICATED BY THE FIXTURE CATALOG NUMBER.
4. THE CONTRACTOR SHALL VERIFY DEPTH OF ALL RECESSED LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS PRIOR TO ORDERING FIXTURES. ANY DISCREPANCIES THAT WILL CAUSE RECESSED FIXTURES NOT TO FIT INTO CEILING/WALL SPACES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE PRIOR TO SUBMITTING SHOP DRAWINGS AND PRIOR TO ORDERING FIXTURES.
5. LIGHT FIXTURES RECESSED IN CEILING OR WALL WITH A ONE HOUR OR MORE FIRE RATING BUILDING CONSTRUCTION, EACH FIXTURE SHALL BE ENCLOSED IN A BOX WHICH HAS A FIRE RATING EQUAL TO THAT OF THE BUILDING CONSTRUCTION. PROVIDE MINIMUM OF 3" CLEAR FROM ALL SIDES AND TOP OF RECESSED LIGHT FIXTURES.
6. WALL AND CEILING INSULATION SHALL BE INSTALLED TO ALLOW 3" MINIMUM CLEARANCE FROM BOTTOM, SIDES AND TOP OF RECESSED LIGHT FIXTURES.
7. VERIFY MOUNTING HEIGHT OF ALL WALL MOUNTED FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.
8. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS AND WALL ELEVATIONS FOR EXACT INSTALL LOCATION OF ALL FIXTURES.
9. VERIFY VOLTAGE BEING SUPPLIED TO FIXTURES PRIOR TO SUBMITTING SHOP DRAWINGS AND PRIOR TO ORDERING. FIXTURE VOLTAGE SHALL MATCH BRANCH CIRCUITS CONNECTING TO RESPECTIVE FIXTURE.
10. SUSPENDED MOUNT LIGHT FIXTURES THAT MAY STRIKE STRUCTURAL ELEMENTS, WALL OR MECHANICAL DUCT WORK IF SWIVELED AT +45-DEGREES SHALL BE SWAY BRACED WITH AIR CRAFT CABLE TO PREVENT STRIKING SAID APPURTENANCES DURING SEISMIC EVENTS, AS REQUIRED.
11. OCCUPANCY MOTION SENSOR SYSTEM SHALL BE PROVIDED IN EVERY ROOM/SPACE LOCATION THROUGHOUT THE FACILITY AND AS DESCRIBED IN THE SPECIFICATIONS, WHETHER SYMBOLS ARE SHOWN OR NOT SHOWN ON THE PLANS.
12. PROVIDE TESTING CERTIFICATION AND COMMISSIONING OF LIGHTING FIXTURES, INSTALLATION, LIGHTING CONTROL SYSTEM AND LIGHTING SYSTEM OPERATION.
13. CONTRACTOR SHALL COORDINATE INSTALLATION OF RECESSED LIGHTING FIXTURES IN HARD LID OR STUCCO CEILING AREAS WITH FRAMING CONTRACTOR.
14. ALL EDGE-LIT EXIT SIGNS SHALL HAVE MIRRORED BACKING.

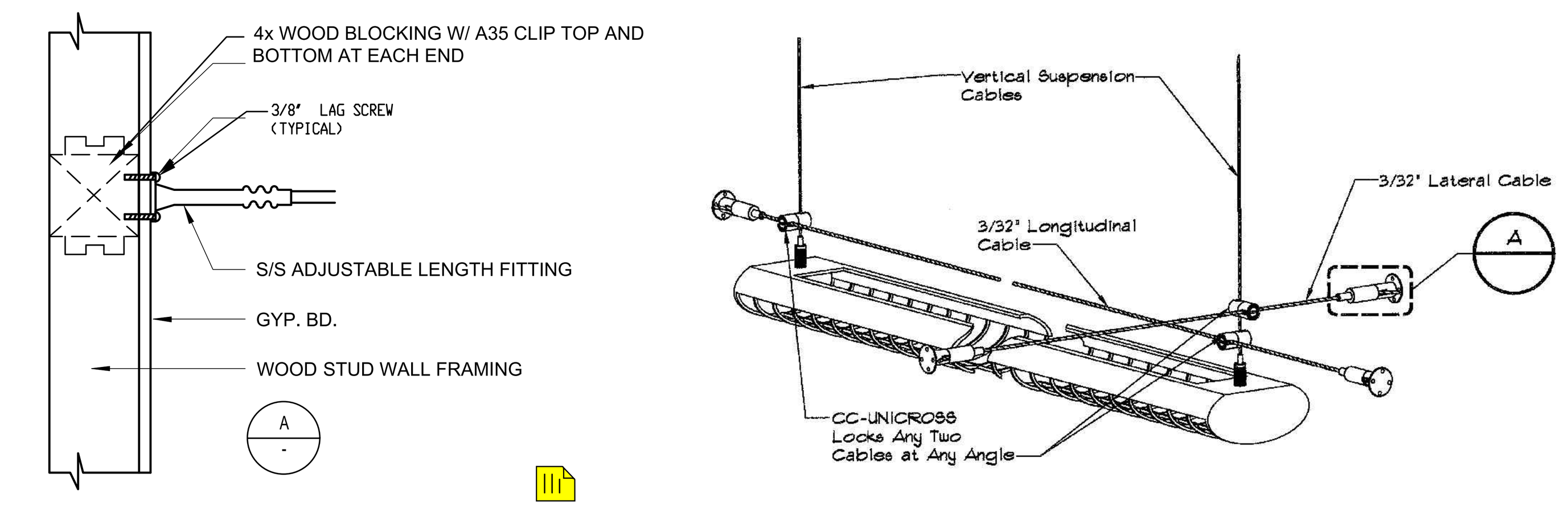
A. WHERE PENDANT MOUNTED LIGHT FIXTURES ARE TO BE INSTALLED IN AREAS WITH A SUSPENDED CEILING, THE CONSTRUCTION DOCUMENTS SHALL INCLUDE COMPLETE SUPPORT DETAILS COMPLYING WITH THIS IR AND DSA IR 16-9.

B. SUPPORT PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING TWO (2) TIMES THE WEIGHT OF THE FIXTURE.

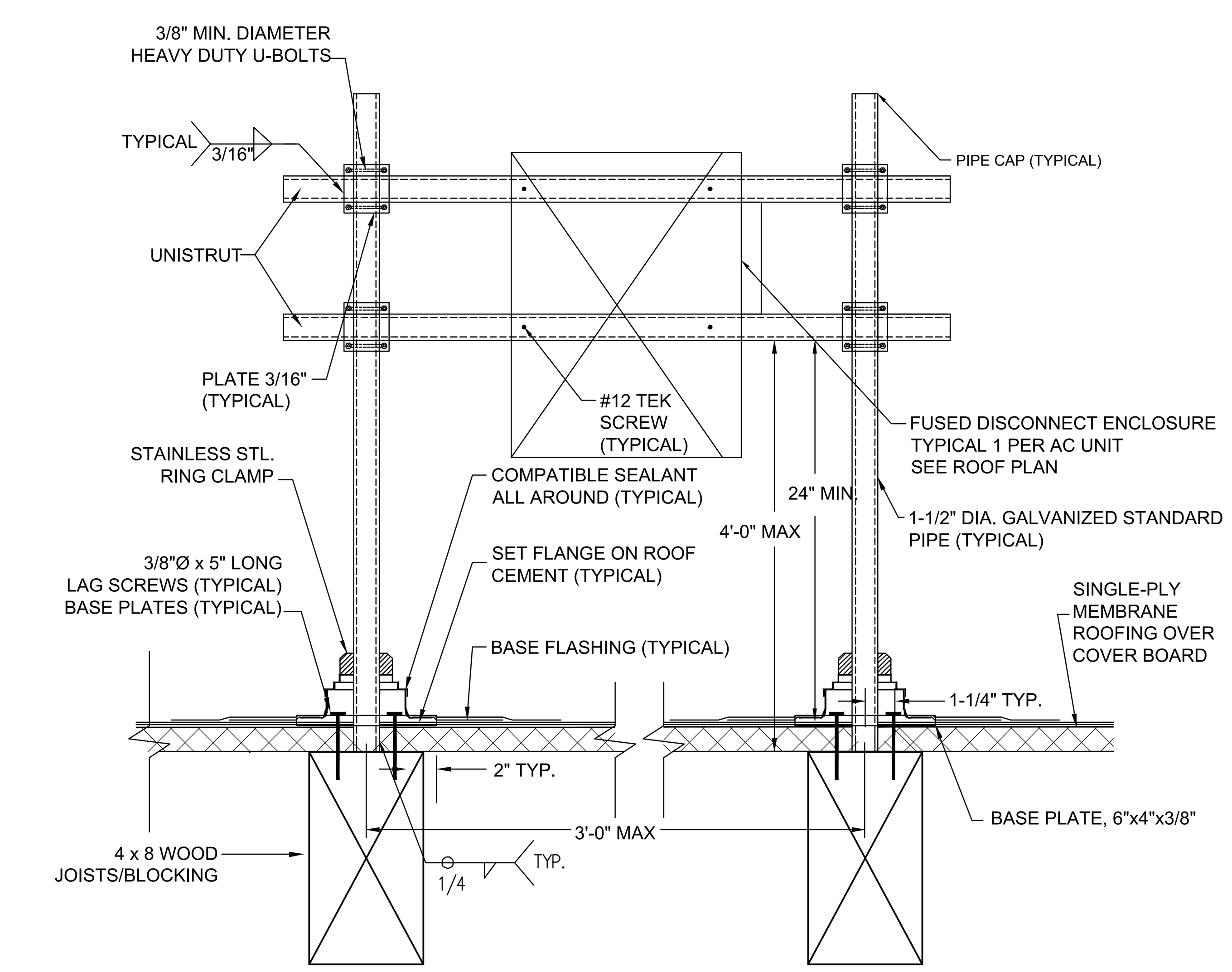
C. IF A PENDANT MOUNTED LIGHT FIXTURE IS DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING (I.E., AIRCRAFT CABLES TO WALLS), THEN A BRACE ASSEMBLY IS NOT REQUIRED ABOVE THE CEILING.

D. IF A PENDANT MOUNTED LIGHT FIXTURE IS FREE TO SWING 45 DEGREES FROM VERTICAL IN ALL DIRECTIONS, AND IS NOT DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING, THEN A BRACING ASSEMBLY IS ONLY REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT THE HHORIZONTAL AND VERTICAL FORCES. EXCEPTION: WHERE THE WEIGHT OF THE FIXTURE IS LESS THAN 20 POUNDS, THE VERTICAL COMPONENT OF THE BRACE FORCE NEED NOT BE CONSIDERED SO NO COMPRESSION STRUT/POST IS REQUIRED.

E. RIGID CONDUIT SHALL NOT BE USED FOR ATTACHMENT OF THE FIXTURES.



CABLE SUSPENDED LIGHT FIXTURE ANCHORAGE | A



ROOF TOP SAFETY SWITCH ANCHORAGE DETAIL | SCALE N.T.S. | B

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159
agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaengr.com
FBA Job Number: 212.220
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

tBP project number : 20987.00
file name:
drawn by: checked by:
date 8.29.19
Rev: date: description:

drawing title:
LIGHTING FIXTURE SCHEDULE AND DETAILS

drawing no.:
E0-5
drawing of

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 7/18)

CERTIFICATE OF COMPLIANCE — CALIFORNIA ENERGY COMMISSION — NRCC-LTI-E

This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name:	COMPTON COLLEGE ADMINISTRATION BUILDING RENOVATION	Report Page:	Page 1 of 6
Project Address:	1111 E. ARTESIA BLVD.	Date Prepared:	2/22/2019

A. GENERAL INFORMATION

01	Project Location (city)	COMPTON	04	Total Conditioned Floor Area (ft²)	5,274
02	Climate Zone	8	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

☑ Office ☐ Retail ☐ Warehouse ☐ Hotel/Motel ☐ School ☐ Support Areas
☐ Parking Garage ☐ High-Rise Residential ☐ Relocatable ☑ Other (write in):

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☑ New Lighting System	Area Category	5,274	Area Category	0
☐ Altered Lighting System				
Total Area of Work (ft²)	5,274		0	

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.	Allowed Lighting Power per §140.6(b) (Watts)							Actual Lighting Power per §140.6(a) (Watts)					Compliance Results
	01	02	03	04		05		06	07	08		09	10
	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Footnotes §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	=	Total Allowed (Watts)	≥	Total Designed (Watts)	Adjustments: Portable Lighting §140.6(a) (-)	Adjustments: PAF Control Credits §140.6(a)2 (-)	=	Total Actual (Watts) *Includes Adjustments	05 Must be ≥ 09 §140.6
	(See Table I)	(See Table I)	(See Table K)	(See Table L)				(See Table F)	(See Table J)	(See Table R)			
Conditioned:		4,645.3			=	4,645.3	≥	3,910			=	3,910	COMPLIES
Unconditioned:					=		≥				=		
												Controls Compliance (See Table H for Details)	COMPLIES
												Rated Power Reduction Compliance (See Table S for Details)	Not Applicable

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 7/18)

CERTIFICATE OF COMPLIANCE — CALIFORNIA ENERGY COMMISSION — NRCC-LTI-E

Project Name:	COMPTON COLLEGE ADMINISTRATION BUILDING RENOVATION	Report Page:	Page 2 of 6
Project Address:	1111 E. ARTESIA BLVD.	Date Prepared:	2/22/2019

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

01	02	03		04	05	06	07	08	09	
Name or Item Tag	Complete Luminaire Description	Specialized Luminaire Types: Track	Portable	Watts per luminaire[1]	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector: Pass	Fail
A1	LED LUMINAIRE WITH INTEGRAL DIM	☐	☐	43	Mfr. Spec[1]	40	☐	1,720	☐	☐
B1	LED CABLE SUSPENDED DIRECT/INDII	☐	☐	803	Mfr. Spec[1]	2	☐	1,606	☐	☐
B2	SAME AS B1 EXCEPT 32'-0" OVERALL	☐	☐	584	Mfr. Spec[1]	1	☐	584	☐	☐
							Total Designed Watts CONDITIONED SPACES:	3,910		

[1]NOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. TRACK LIGHTING

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

*Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls			
01	02	03	
Mandatory Demand Response §130.1(e)	Shut-off Controls §130.1(c)	Field Inspector: Pass	Fail
Not Required ≤ 10,000 SF	See Area Level Controls	☐	☐

Area Level Controls

Table Continued

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 7/18)

CERTIFICATE OF COMPLIANCE — CALIFORNIA ENERGY COMMISSION — NRCC-LTI-E

Project Name:	COMPTON COLLEGE ADMINISTRATION BUILDING RENOVATION	Report Page:	Page 3 of 6
Project Address:	1111 E. ARTESIA BLVD.	Date Prepared:	2/22/2019

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector: Pass	Fail
OFFICES < 250 SQFT		Manual ON/OFF	Dimmer	Occ Sensor			☐	☐	☐
OPEN > 250 SQFT		Manual ON/OFF	Dimmer	Occ Sensor			☐	☐	☐
CONFERENCE		Manual ON/OFF	Dimmer	Occ Sensor			☐	☐	☐
WAITING AREA		Manual ON/OFF	Dimmer	Occ Sensor			☐	☐	☐
LOBBY		Manual ON/OFF	Dimmer	Occ Sensor			☐	☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.

EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2

13 — Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01	02	03	04	05	06		
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowances / Adjustments: Footnotes	PAF	Portable Ltg
OFFICE < 250 SQFT	Office (<= 250 square feet)	1	1,572	1,572	☐	☐	☐
OFFICE > 250 SQFT	Office (> 250 square feet)	0.75	2,385	1,788.75	☐	☐	☐
CONFERENCE	Convention, Conf., Meeting	1.2	271	325.2	☐	☐	☐
WAITING AREA	Waiting Area	0.8	229	183.2	☐	☐	☐
LOBBY	Main Entry Lobby	0.95	817	776.15	☐	☐	☐
		TOTAL:	5,274	4,645.3	See Tables J, K, R for detail		

J. POWER ADJUSTMENT: PORTABLE LIGHTING IN OFFICES

This Section Does Not Apply

K. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD FOOTNOTES

This Section Does Not Apply

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 7/18)

CERTIFICATE OF COMPLIANCE — CALIFORNIA ENERGY COMMISSION — NRCC-LTI-E

Project Name:	COMPTON COLLEGE ADMINISTRATION BUILDING RENOVATION	Report Page:	Page 4 of 6
Project Address:	1111 E. ARTESIA BLVD.	Date Prepared:	2/22/2019

L. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED SPECIAL FUNCTION AREAS

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

P. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

Q. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

R. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (PAF)

This Section Does Not Apply

S. RATED POWER REDUCTION COMPLIANCE BY SPACE

This Section Does Not Apply

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 7/18)

CERTIFICATE OF COMPLIANCE — CALIFORNIA ENERGY COMMISSION — NRCC-LTI-E

Project Name:	COMPTON COLLEGE ADMINISTRATION BUILDING RENOVATION	Report Page:	Page 5 of 6
Project Address:	1111 E. ARTESIA BLVD.	Date Prepared:	2/22/2019

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at http://www.energy.ca.gov/2015publications/CEC-400-2015-033/appendices/forms/NRCI

YES	NO	Form/Title	Field Inspector: Pass	Fail
◉	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐	☐
◉	○	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐	☐

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector: Pass	Fail
◉	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐
◉	○	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐
○	◉	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐	☐
○	◉	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	☐	☐

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 7/18)

CERTIFICATE OF COMPLIANCE — CALIFORNIA ENERGY COMMISSION — NRCC-LTI-E

Project Name:	COMPTON COLLEGE ADMINISTRATION BUILDING RENOVATION	Report Page:	Page 6 of 6
Project Address:	1111 E. ARTESIA BLVD.	Date Prepared:	2/22/2019

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

Documentation Author Name:	Steve R. Zajicek	Documentation Author Signature:	
Company:	FBA Engineering	Signature Date:	2/22/2019
Address:	150 Paularino Avenue Suite A120	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Costa Mesa, California 92626	Phone:	9498529995

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. **The information provided on this Certificate of Compliance is true and correct.**
2. **I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)**
3. **The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.**
4. **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.**
5. **I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued 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 the builder provides to the building owner at occupancy.**

Responsible Designer Name:	Stephen R. Zajicek	Responsible Designer Signature:	
Company :	FBA Engineering	Date Signed:	2/22/2019
Address:	150 Paularino	License:	E10372
City/State/Zip:	Costa Mesa, CA 92626	Phone:	949-852-9995

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

REGISTERED PROFESSIONAL ENGINEER STEPHEN R. ZAJICEK No. E 10372 Exp. 09-30-20 ELECTRICAL STATE OF CALIFORNIA
FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaengr.com
FBA Job Number: 212.220

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name:

drawn by: checked by:

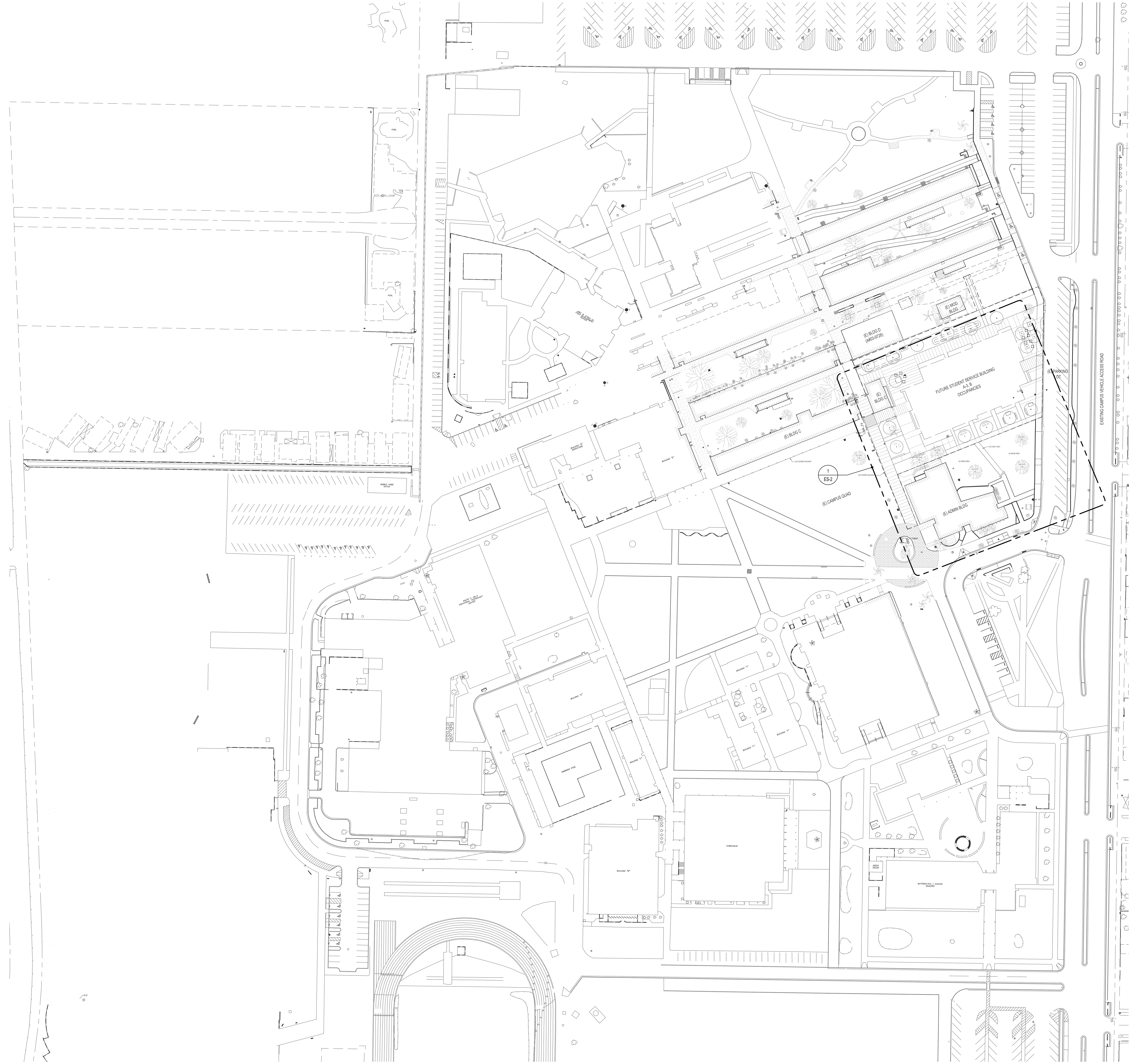
date 8.29.19

Rev: date: description:

drawing title:
INDOOR TITLE 24 CALCULATIONS

drawing no.:
E0-6
drawing of

PLAN NOTES



OVERALL SITE ELECTRICAL PLAN

SCALE: 1" = 60'-0"

0 15 30 60

NORTH

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

REGISTERED PROFESSIONAL ENGINEER STEPHEN R. PALICEK No. E 10372 Exp. 09-30-20 ELECTRICAL STATE OF CALIFORNIA

FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaengr.com
FBA Job Number: 212.220

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name:

drawn by: checked by:

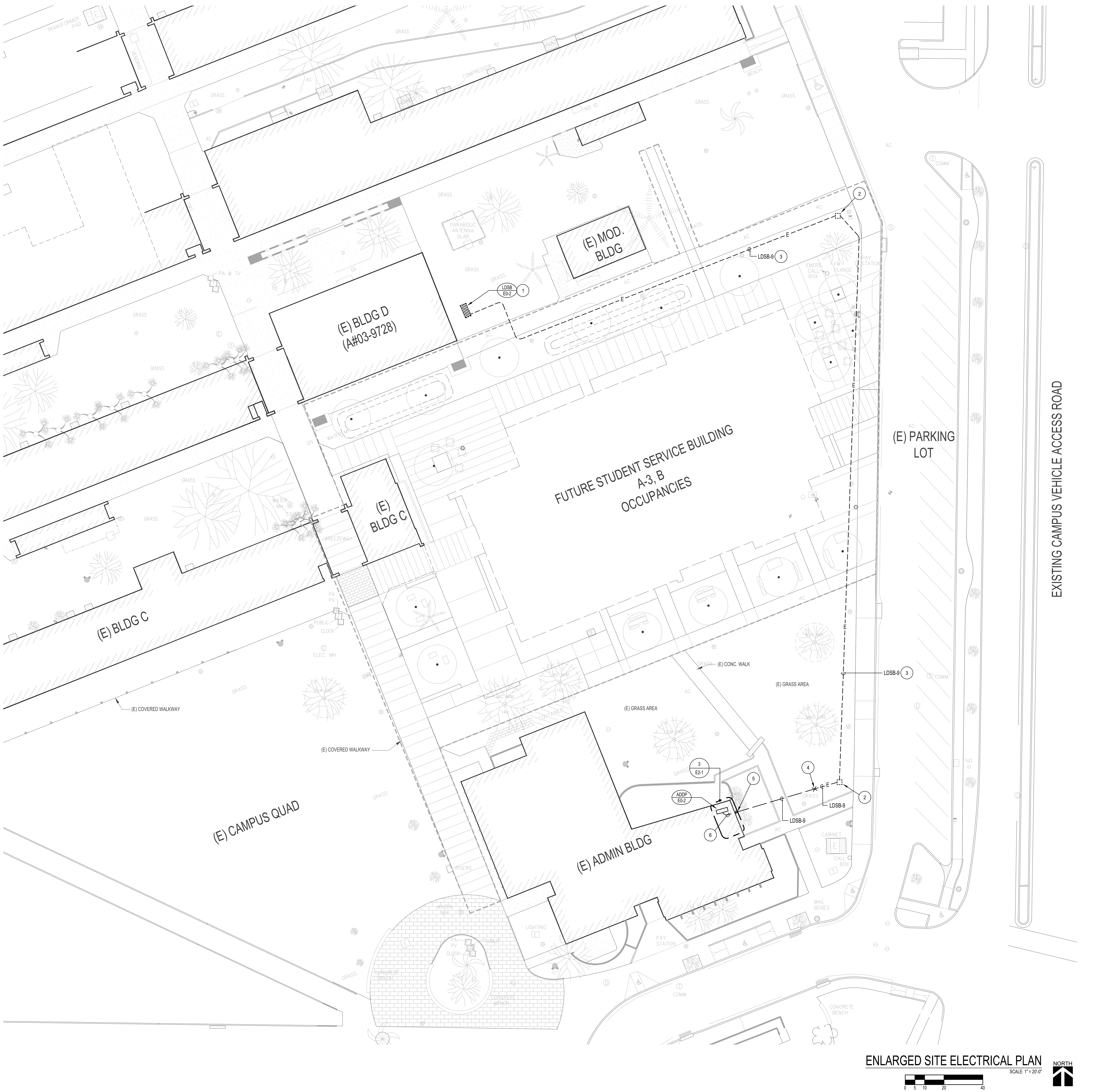
date 8.29.19

Rev:	date:	description:

drawing title:
OVERALL SITE ELECTRICAL PLAN

drawing no.:
ES-1

drawing of



ENLARGED SITE ELECTRICAL PLAN

SCALE: 1" = 20'-0"

PLAN NOTES

1. EXISTING 208Y/120V DISTRIBUTION SWITCHBOARD TO REMAIN.
2. EXISTING 2' x 3' x 3' D. UNDERGROUND CONCRETE PULLBOX.
3. PROVIDE NEW CONDUCTORS IN EXITING UNDERGROUND CONDUITS.
4. INTERCEPT AT EXISTING UNDERGROUND CONDUITS AND EXTEND TO ELECTRICAL ROOM.
5. CONDUIT ENTRANCE TO ELECTRICAL /SIGNAL ROOM SHALL BE RUN BELOW GRADE AND PENETRATE EXISTING FLOOR SLAB INSIDE BUILDING DIRECTLY UNDER INDICATED TERMINAL CABINET AND BE EXTENDED TO RESPECTIVE PANEL OR TERMINAL CABINET. CARE SHALL BE TAKEN AS NOT TO CUT THROUGH EXISTING FOOTING OR STRUCTURAL MEMBER OF THE BUILDING. THE ROOM'S FLOOR SHALL BE PATCHED TO MATCH THE EXISTING .
6. SAW CUT EXISTING CONCRETE SLAB. PROVIDE INDICATED SYSTEM CONDUITS AND CONDUCTORS. PATCH TO MATCH EXISTING SURROUNDING FLOOR.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaengr.com
FBA Job Number: 212.220

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name:

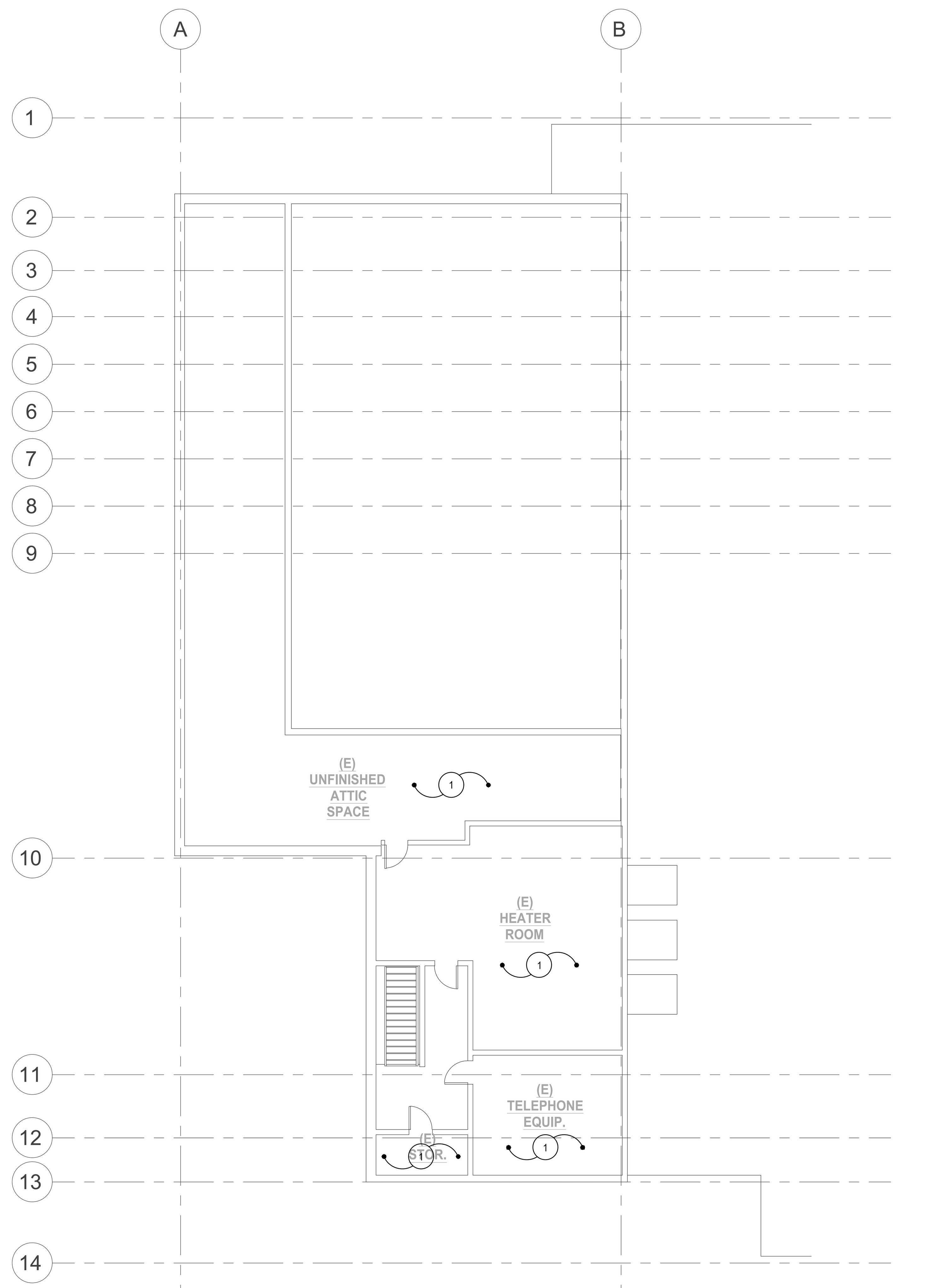
drawn by: checked by:

date 8.29.19

Rev:	date:	description:

drawing title:
ENLARGED SITE ELECTRICAL PLAN

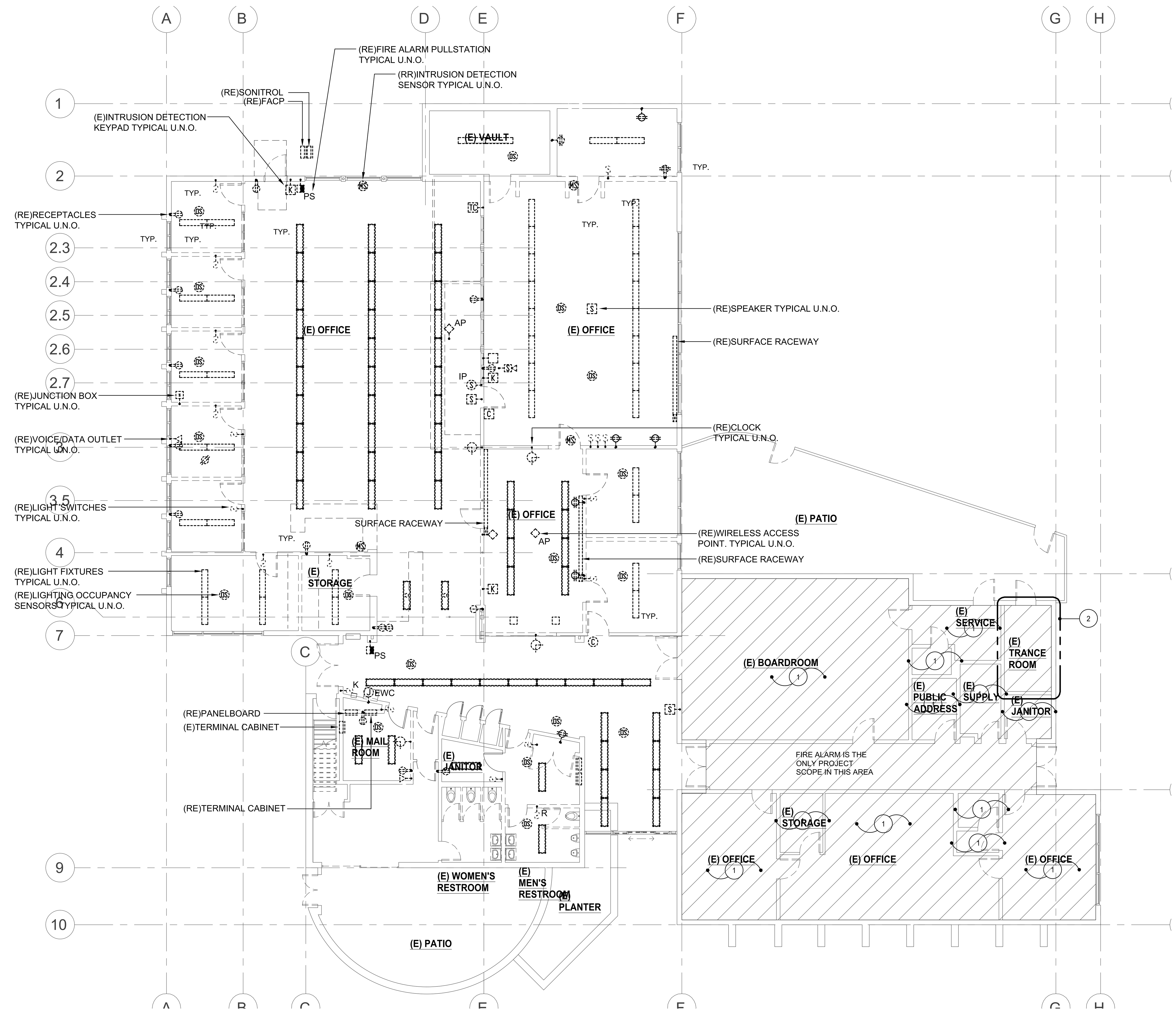
drawing no.:
ES-2
drawing of



DEMO-2ND FLOOR ELECTRICAL PLAN 2

SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'



DEMO-1ST FLOOR ELECTRICAL PLAN 1

SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'

DEMO NOTES:

1. ALL EXISTING ELECTRICAL WITHIN THE DEMOLITION AREAS OF THE BUILDING SHALL BE REMOVED UNLESS SPECIFICALLY INDICATED OTHERWISE ON DRAWINGS INCLUDED IN THIS SET FOR DEMOLITION AREAS, AND EXISTING WALLS. THE SCOPE OF THE DEMOLITION WORK SHALL INCLUDE ALL LABOR, MATERIALS, SERVICES AND EQUIPMENT REQUIRED FOR THE REMOVAL OF ALL EXISTING ELECTRICAL NOT INDICATED AS BEING REUSED. THIS WORK INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING:

a. ALL EXISTING WIRE SHALL BE REMOVED FROM CONDUIT.

b. ALL EXISTING CONDUIT, THAT INTERFERES WITH ANY NEW CONSTRUCTION SHALL BE CUT BACK AS REQUIRED TO CLEAR NEW CONSTRUCTION.

c. REMOVE ALL EXISTING EXPOSED CONDUIT, SURFACE RACEWAYS AND CONDUIT CONCEALED IN EXISTING CONSTRUCTION THAT IS TO BE REMOVED. RECONNECT OUTLETS AND LIGHTING FIXTURES WHICH ARE NOW FED THROUGH THE OUTLETS TO BE REMOVED.

d. REMOVE ALL EXPOSED CONDUIT, WIRE, OUTLETS, DISCONNECT SWITCHES AND ELECTRICAL MOUNTING HARDWARE FOR MECHANICAL EQUIPMENT BEING REMOVED. PROVIDE WEATHERPROOF CAPS ON ALL CONDUIT PENETRATING ROOF AND ABANDON CONDUIT. REPAIR ROOFING DAMAGED BY REMOVAL OF EXISTING ELECTRICAL.

e. EXCEPT WHERE EXPOSED CONDUITS ARE SHOWN ON PLANS, INSTALL ALL NEW CONDUITS CONCEALED IN WALLS, FURRED CEILING, OR UNDER FLOOR SPACE.

f. LIGHT FIXTURES AND ELECTRICAL DEVICES INDICATED TO BE REMOVED AND REINSTALLED SHALL BE REMOVED AND PROPERLY STORED TO PROTECT FROM DAMAGED UNTIL SUCH TIME THAT IT IS REINSTALLED. ALL FIXTURES TO BE REINSTALLED SHALL BE FULLY OPERABLE AND SHALL FIRST BE CLEANED, RELAMPED, DEFECTIVE BALLASTS REPLACED AND CRACKED OR BROKEN DIFFUSERS/LENSES REPLACED.

g. ALL REMOVED MATERIALS AND EQUIPMENT WHICH IN THE OPINION OF THE OWNER ARE SALVAGEABLE, SHALL REMAIN THE PROPERTY OF THE OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON PREMISES AS DIRECTED, NEATLY PILE OR STORE THEM AND PROTECT FROM DAMAGE.

h. DO NOT REUSE SALVAGED MATERIALS AND EQUIPMENT, UNLESS SPECIFICALLY INDICATED ON PLANS OR SPECIFIED. REMOVE FROM PREMISES AND DISPOSE OF ALL MATERIALS CONSIDERED BY THE OWNER TO BE SCRAP.

i. MAINTAIN CONTINUITY OF ALL EXISTING TO REMAIN LIGHTING AND POWER BRANCH CIRCUITS. PROVIDE ALL MATERIAL AND LABOR IN BIT TO COMPLY WITH THIS PROVISION.

j. ALL ABANDONED CIRCUIT BREAKERS IN PANELS SHALL BE MARKED AS "SPARE" AND IN THE "OFF" POSITION.

KEY NOTES

1. ALL EXISTING ELECTRICAL WITHIN THIS AREA TO REMAIN. PROTECT IN PLACE.

2. DISCONNECT AND REMOVE ALL EXISTING HIGH VOLTAGE AND LOW VOLTAGE EQUIPMENT IN THIS ROOM INCLUDING TWO (2) 2400V SINGLE PHASE HIGH VOLTAGE SWITCH, TWO (2) 2400/240-120V TRANSFORMER AND TWO 240/120V DISTRIBUTION PANELBOARD.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

FBA Engineering

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name:

drawn by: checked by:

date: 8.29.19

Rev:	date:	description:

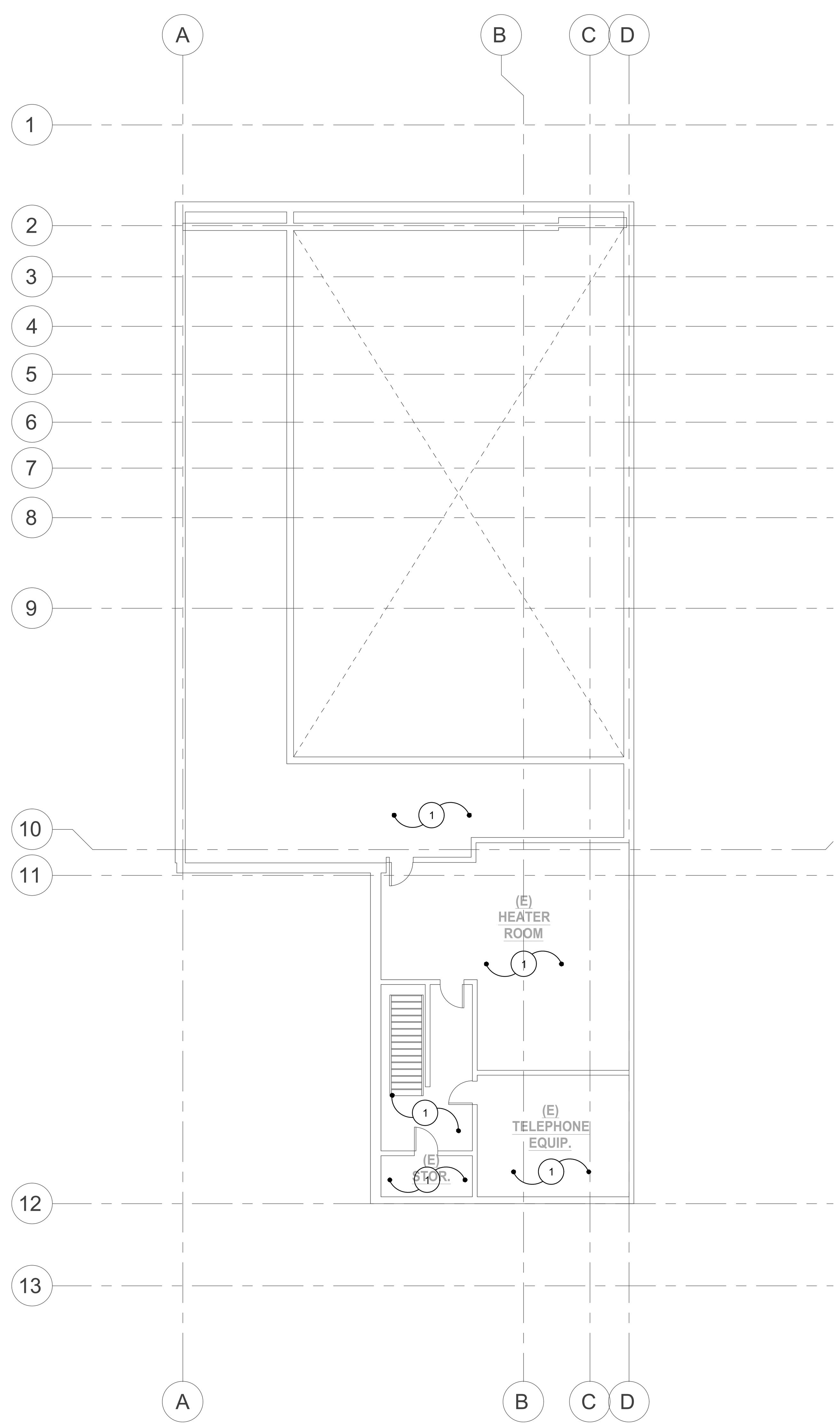
drawing title:

DEMOLITION ELECTRICAL PLANS

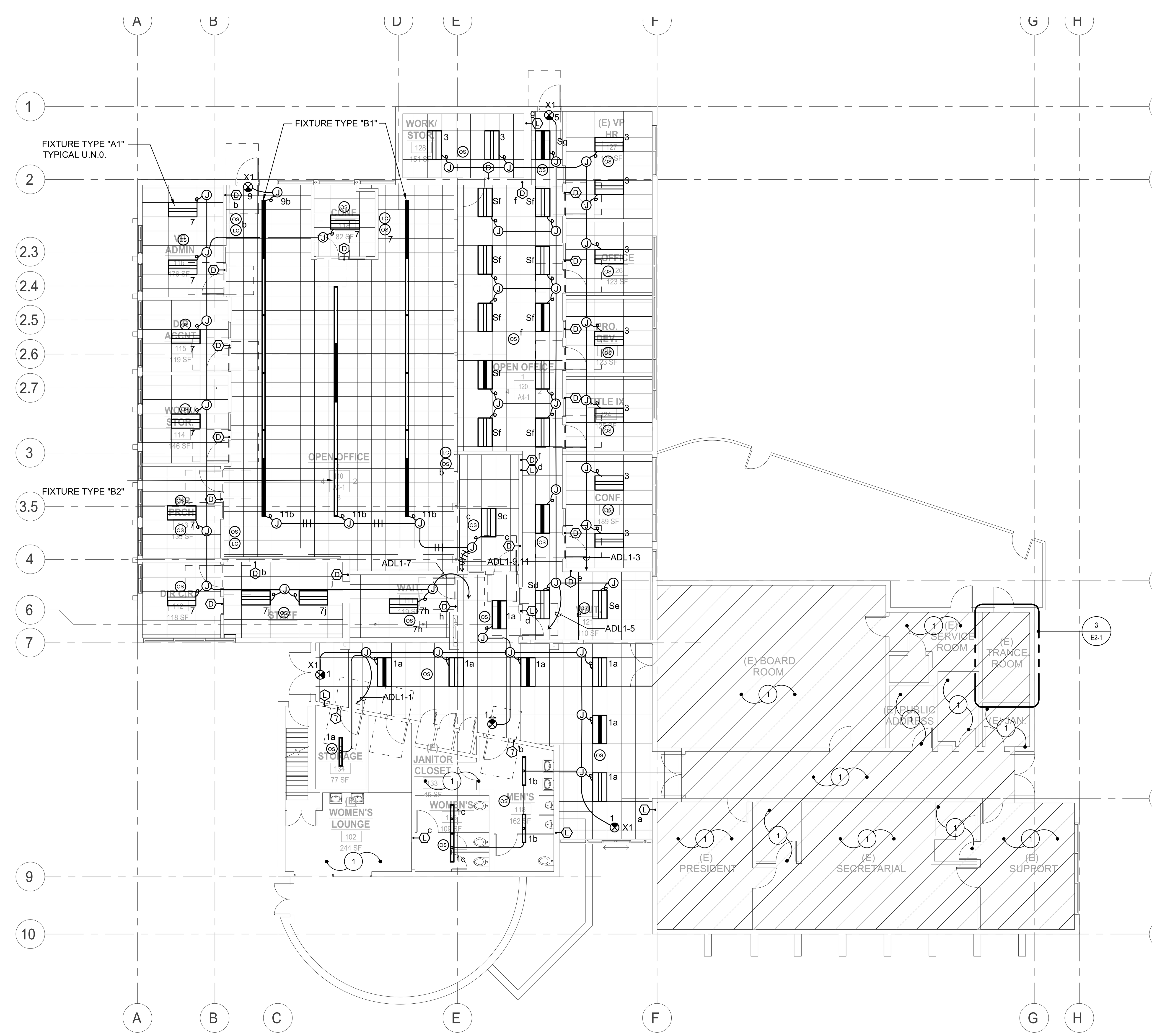
drawing no.:

ED-1

drawing of



2ND FLOOR LIGHTING PLAN (2)
SCALE 1/8" = 1'-0"
0' 2' 4' 8' 16'



1ST FLOOR LIGHTING PLAN (1)
SCALE 1/8" = 1'-0"
0' 2' 4' 8' 16'

KEY NOTES

(1) ALL EXISTING LIGHTING, CONDUIT, WIRING AND CONTROLS IN THIS AREA TO REMAIN. MAINTAIN CONTINUITY OF EXISTING CIRCUITS.

LIGHTING CONTROL PERFORMANCE NOTES:

1. LIGHTING CONTROL WIRING NOT SHOWN ON LIGHTING PLANS FOR CLARITY. REFER TO LIGHTING CONTROL DIAGRAMS AND SPECIFICATIONS FOR LIGHTING CONTROL SYSTEM DEVICE AND WIRING REQUIREMENTS. CONTRACTOR SHALL INCLUDE ALL COSTS IN BID FOR A COMPLETE AND OPERABLE SYSTEM.
2. THE ABOVE CEILING SPACE IS AN OPEN-AIR PLENUM. CONTRACTOR SHALL PROVIDE ALL LIGHTING CONTROL WIRING IN MINIMUM 3/4 IN. CONDUIT. INCLUDE ALL COSTS IN BID TO COMPLY WITH THIS PROVISION.
3. PLACEMENT OF LIGHTING OCCUPANCY SENSORS AND LIGHT LEVEL CONTROL SENSORS ARE DIAGRAMMATIC. ALL SENSORS SHALL BE MOUNTED CENTERED IN THE CEILING TILES.
4. LIGHTING OCCUPANCY SENSORS SHALL BE PLACED 4 FEET FROM ANY HVAC REGISTERS WHEREVER POSSIBLE TO AVOID AIR FLOW.
5. CONTRACTOR SHALL INCLUDE ALL PROGRAMMING AND START UP IN BID. ALL LIGHT CONTROLS SHALL BE SET TO THE COLLEGE'S SATISFACTION.
6. PROVIDE LIGHTING CONTROL SYSTEM CONTROLLED RECEPTACLES IN ACCORDANCE WITH CEC TITLE-24 REQUIREMENTS. REFER TO POWER PLANS FOR CONTROLLED RECEPTACLES LOCATIONS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159
agency

tBP architecture planning interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaengr.com
FBA Job Number: 212.220
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

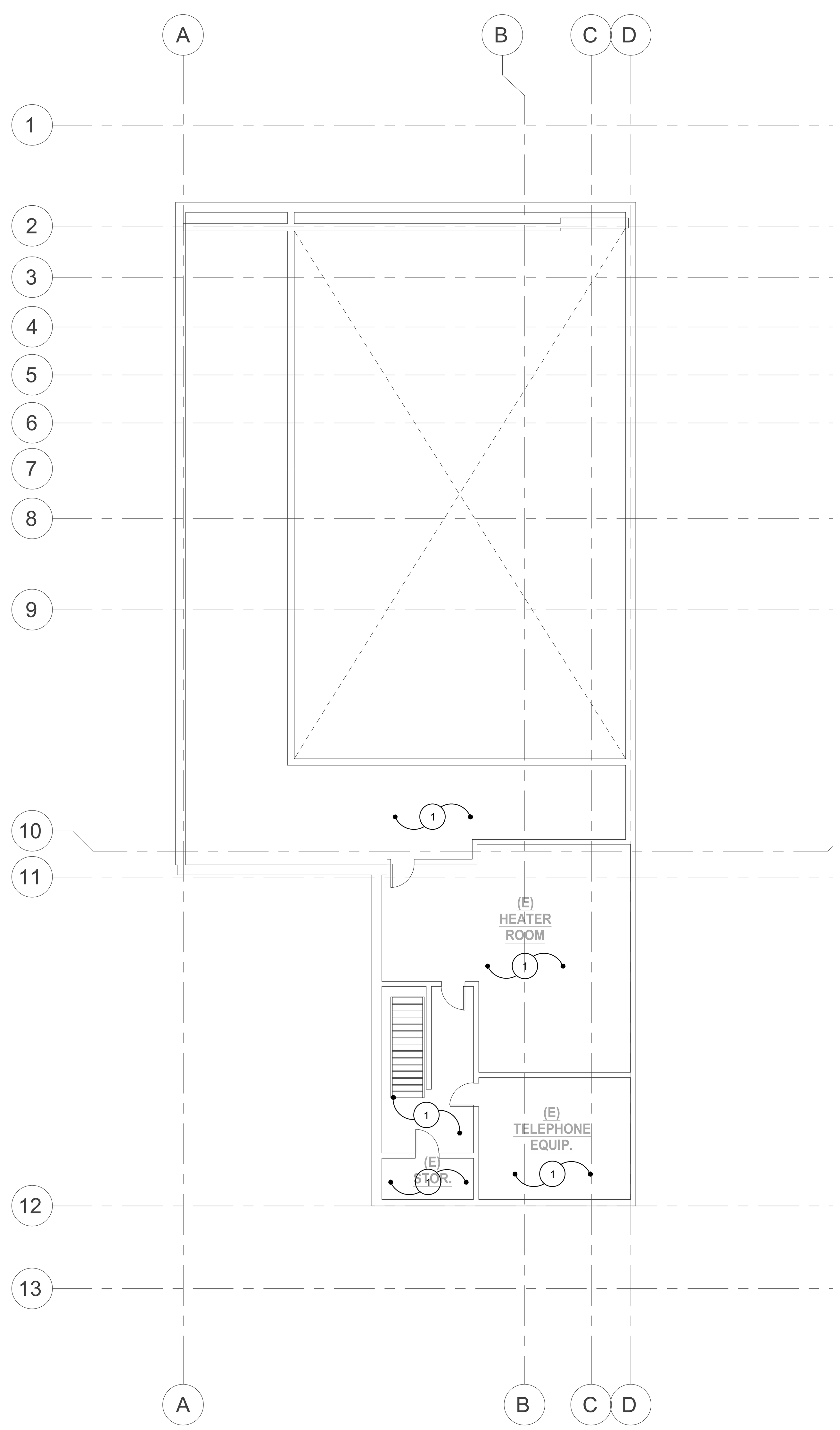
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221
owner

tBP project number : 20987.00
file name:
drawn by: checked by:
date 8.29.19

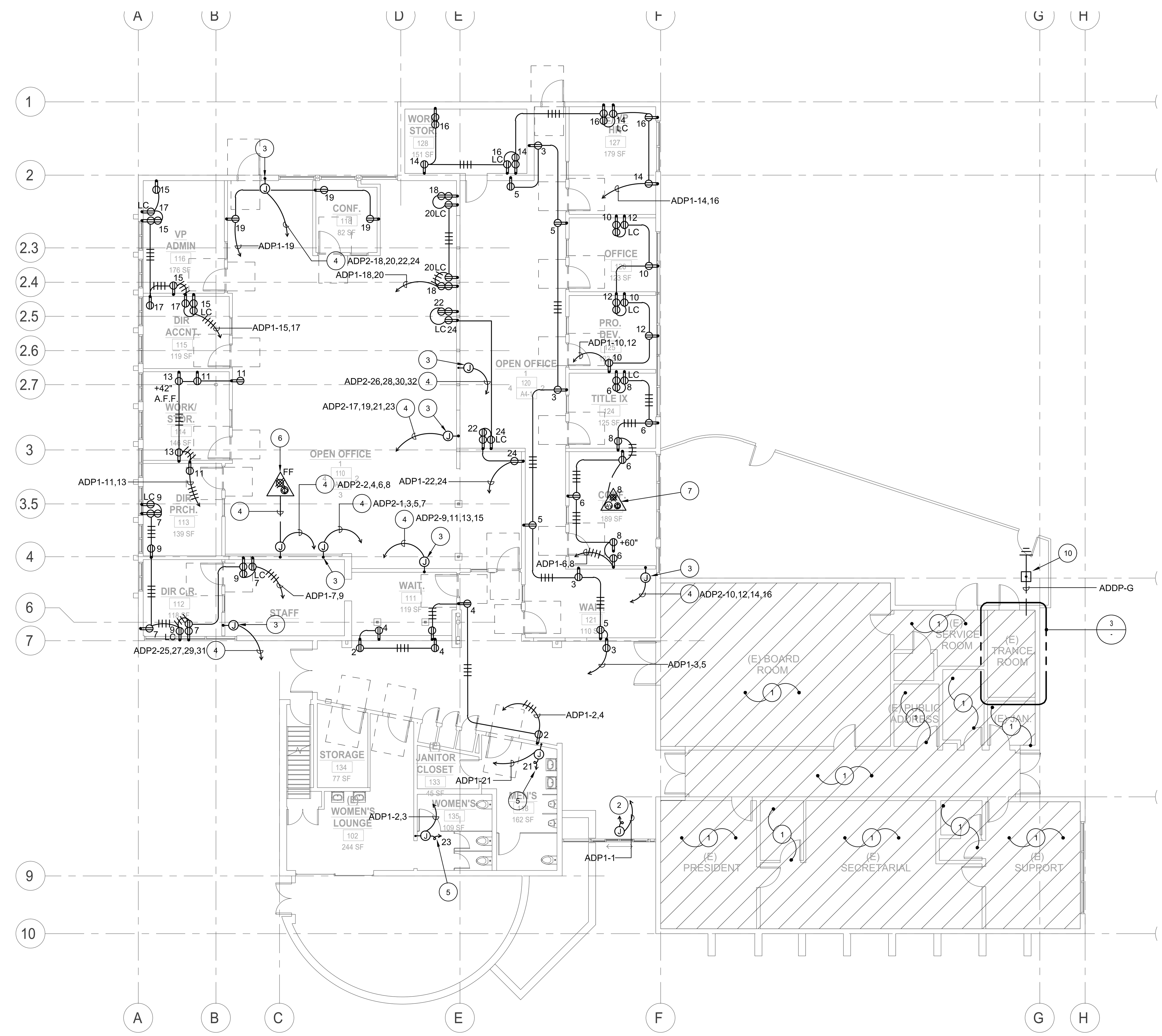
Rev:	date:	description:

drawing title:
LIGHTING PLANS

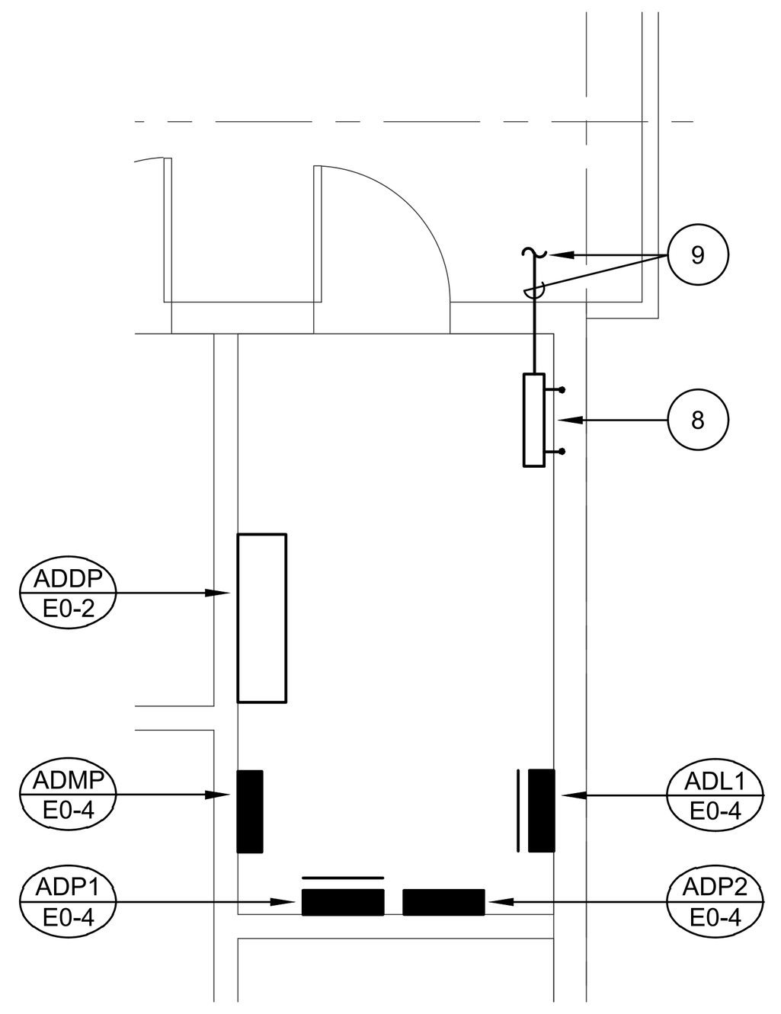
drawing no.:
E1-1
drawing of



2ND FLOOR POWER PLAN (2)
SCALE 1/8" = 1'-0"



1ST FLOOR POWER PLAN (1)
SCALE 1/8" = 1'-0"



ENLARGED ELECTRICAL ROOM DETAIL (3)
SCALE 1/4" = 1'-0"

KEY NOTES

1. ALL EXISTING ELECTRICAL AND ASSOCIATED CONDUIT AND WIRING IN THIS AREA TO REMAIN. MAINTAIN CONTINUITY OF EXISTING CIRCUITS.
2. CONNECT TO POWER ASSISTED DOOR IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS REQUIREMENTS.
3. PROVIDE SEAL-TITE FLEX CONNECTION TO ELECTRIFIED FURNITURE SYSTEM WIRING HARNESS. THE FURNITURE SYSTEM IS A "2 GENERAL PURPOSE + 2 ISOLATED CIRCUIT" SYSTEM. VERIFY EXACT POINT OF CONNECTION LOCATION WITH THE FURNITURE SYSTEMS DRAWINGS. INSTALL IN ACCORDANCE WITH THE FURNITURE SYSTEM MANUFACTURERS WIRING REQUIREMENTS.
4. PROVIDE 4#10 (H.), 1#10 (COMMON NEUTRAL), 1#10 (ISOLATED NEUTRAL), 1#10 (COMMON GROUND) AND 1#10 (ISOLATED GROUND) -1.25 IN. CONDUIT.
5. CONNECT TO ELECTRIC HAND DRYER IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS REQUIREMENTS. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR LOCATIONS AND MOUNTING HEIGHTS OF HAND DRYERS.
6. PROVIDE AND INSTALL COMBINATION POWER/DATA FLOOR BOX, FLUSH IN FLOOR, WITH FURNITURE FEED COVER IN FINISH AS SELECTED BY ARCHITECT AND CONNECTION TO THE FURNITURE SYSTEM. PROVIDE SEAL-TITE FLEX CONDUIT CONNECTION, MINIMUM 1.0 IN. FOR POWER AND 1.25 IN. FOR TELECOM. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATION.
7. PROVIDE AND INSTALL COMBINATION POWER/DATA/AV FLOOR BOX, FLUSH IN FLOOR, WITH IN USE COVERPLATE IN FINISH AS SELECTED BY ARCHITECT. PROVIDE 1.0 IN. MINIMUM POWER CONDUIT, 1.25 IN. MINIMUM VOICE/DATA CONDUIT AND 1.25 IN. MINIMUM AV CONDUIT FROM BELOW GRADE, UP INTO WALL TO ABOVE THE ACCESSIBLE CEILING. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS.
8. PROVIDE GROUNDING PER DETAIL 4 SHEET E0-3.
9. EXTEND GROUND WIRE TO GROUND ROD. SEE DETAIL 1 FOR CONTINUATION.
10. GROUND ROD SEE DETAIL 4 SHEET E0-3.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159
agency

tBP architecture planning interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

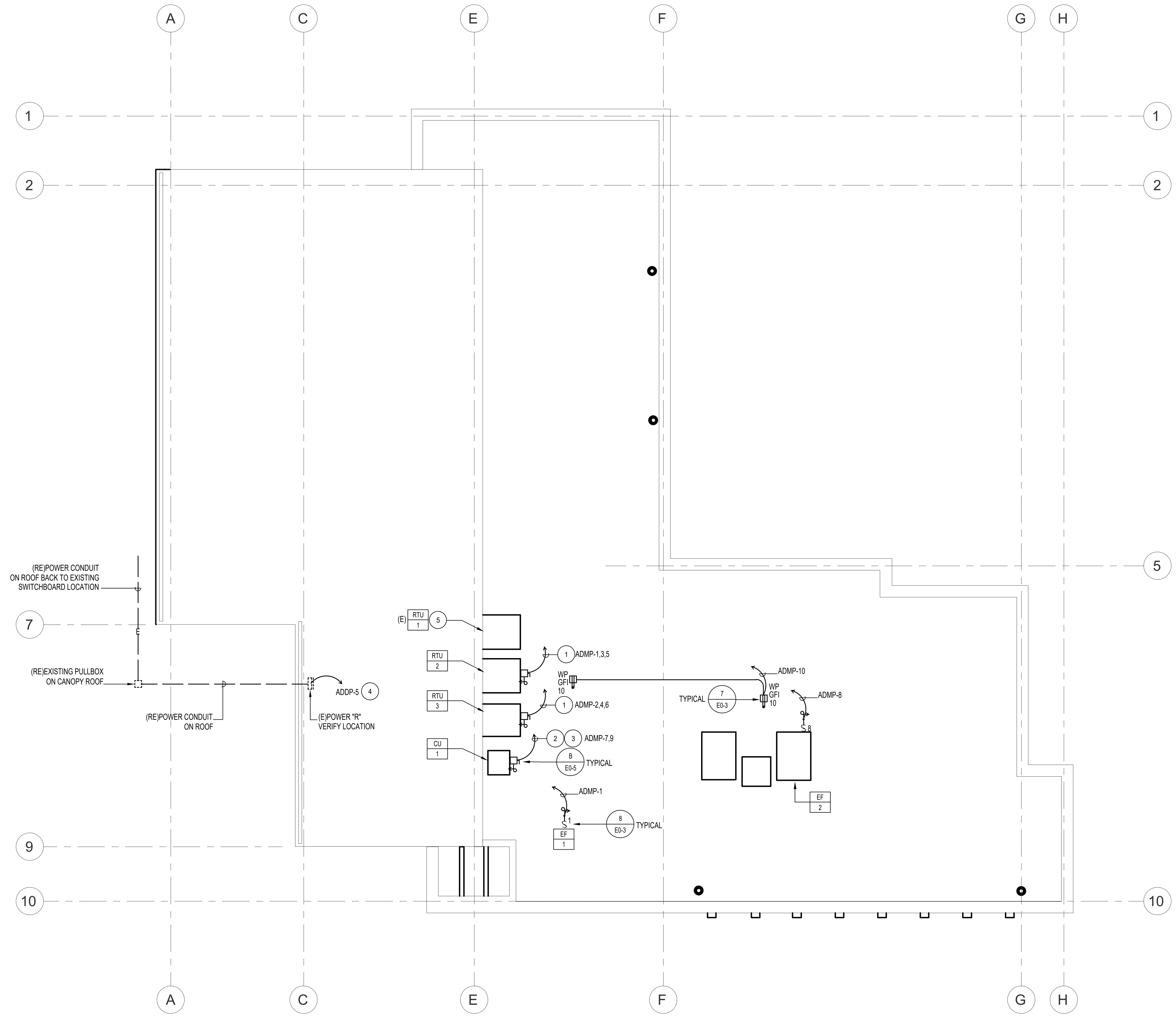
FBA Engineering
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221
owner

tBP project number : 20987.00
file name:
drawn by: checked by:
date 8.29.19
Rev: date: description:

drawing title:
POWER PLANS

drawing no.:
E2-1
drawing of



ROOF ELECTRICAL PLAN (1)

SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'

KEY NOTES

ROOF ELECTRICAL PLAN PERFORMANCE NOTES:

1. ALL ELECTRICAL EQUIPMENT AT ROOF SHALL BE WEATHERPROOF.
2. ROUTE ALL CONDUIT WORK CONCEALED IN THE CEILING SPACE BELOW.
3. VERIFY HVAC EQUIPMENT ELECTRICAL POINTS OF CONNECTION WITH EQUIPMENT SHOP DRAWINGS PRIOR TO ROUGH-IN.

(1) PROVIDE 3#8, 1#10 GRD. - 1"C.

(2) PROVIDE 2#10, 1#10 GRD. - 3/4"C.

(3) ROUTE VIA INDOOR FAN COIL UNIT. INSTALL IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS WIRING REQUIREMENTS.

(4) ROUTE FEEDER THROUGH CEILING SPACE BELOW TO DISTRIBUTION PANELBOARD INDICATED.

(5) MAINTAIN POWER CONNECTION TO EXISTING ROOF TOP HVAC EQUIPMENT TO REMAIN.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP
architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaengr.com
FBA Job Number: 212.220

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name:

drawn by: checked by:

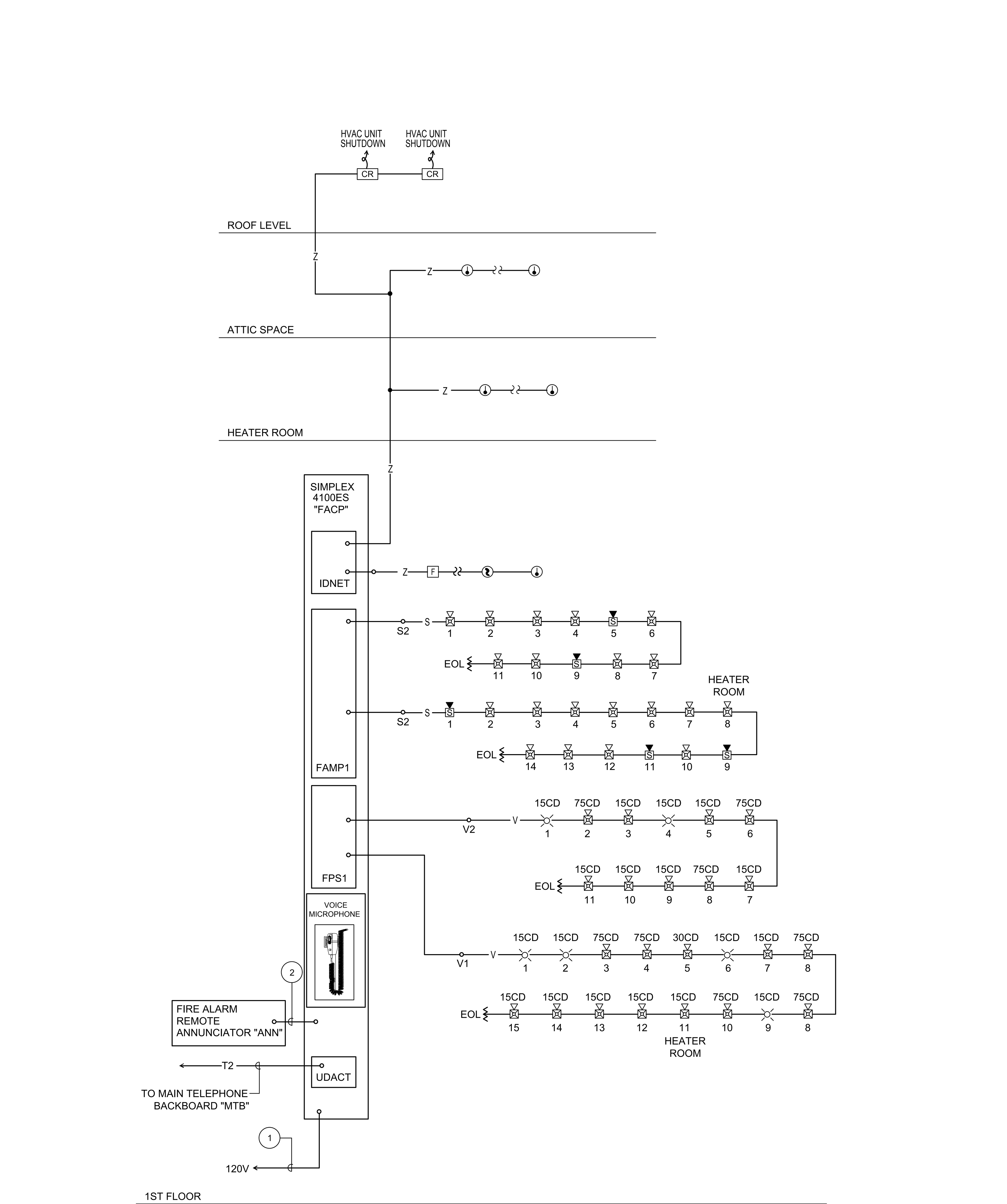
date: 8.29.19

Rev:	date:	description:

drawing title:
ROOF ELECTRICAL PLAN

drawing no.:
E2-2
drawing of

FIRE ALARM RISER DIAGRAM



SEQUENCE OF OPERATION

FIRE ALARM SYSTEM INPUT/OUTPUT MATRIX

SYSTEM OUTPUTS: FACP ANNUNCIATION (A–H), NOTIFICATION, REQUIRED FIRE SAFETY CONTROL

- A – ACTUATE COMMON ALARM SIGNAL INDICATOR
- B – ACTUATE AUDIBLE ALARM SYSTEM
- D – ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR
- E – ACTUATE AUDIBLE SUPERVISORY SIGNAL
- F – ACTUATE COMMON TROUBLE SIGNAL INDICATOR
- G – ACTUATE AUDIBLE TROUBLE SIGNAL
- H – ACTUATE ZONE OR DEVICE ADDRESS ALARM INDICATOR
- I – ACTUATE GENERAL EVACUATION SIGNAL
- J – DISPLAY CHANGE OF STATUS
- K – TRANSMIT FIRE ALARM SIGNAL TO CENTRAL STATION
- L – TRANSMIT SUPERVISORY SIGNAL TO CENTRAL STATION
- M – TRANSMIT TROUBLE SIGNAL TO CENTRAL STATION
- N – SHUT DOWN RESPECTIVE AIR HANDLING

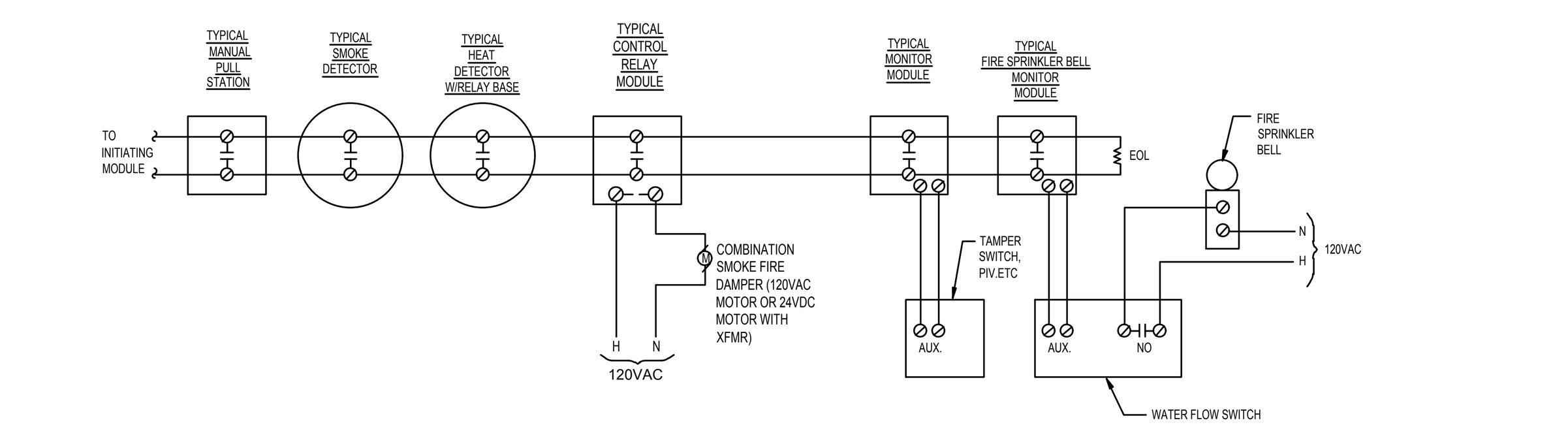
	SYSTEM INPUTS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	FIRE ALARM SYSTEM AC POWER FAILURE				●	●							●						
2	FIRE ALARM SYSTEM LOW BATTERY						●	●						●					
3	OPEN CIRCUIT						●	●						●					
4	GROUND FAULT						●	●						●					
5	NOTIFICATION APPLIANCE CIRCUIT SHORT						●	●						●					
6	BUILDING MANUAL PULL STATIONS	●	●						●	●	●	●							
7	AREA SMOKE AND HEAT DETECTORS	●	●						●	●	●	●							
8	RELAY MODULES				●	●			●				●		●				

FIRE ALARM EQUIPMENT SCHEDULE

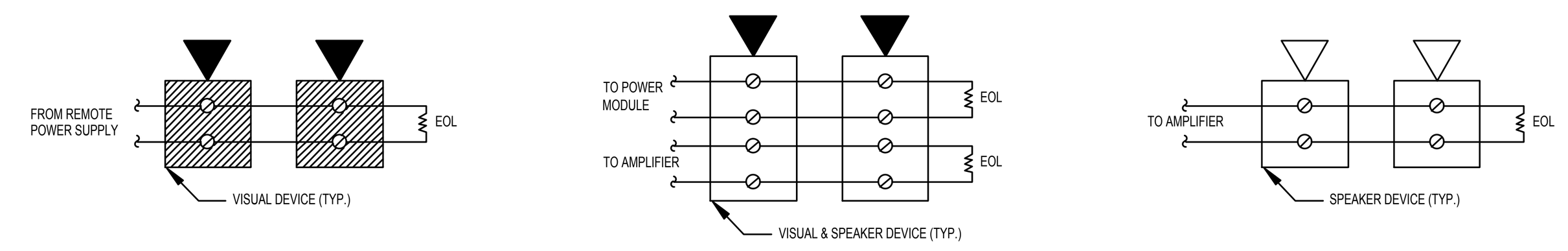
FIRE ALARM SYSTEM EQUIPMENT SCHEDULE

QTY	ITEM DESCRIPTION	SYMBOL	MOUNTING	CATALOG NUMBER	CSFM LISTING#
1	FIRE ALARM CONTROL PANEL WITH VOICE EVACUATION "FACP"		+72" AFF TO TOP OF CABINET	SIMPLEX 4100ES 4100-9114	7165-0026-0369
1	FIRE ALARM 70.7V REMOTE AMPLIFIER FLEX 50, 50WATT AMPLIFIER "FAMP_"		MOUNT IN FACP CABINET	SIMPLEX 4100-1313	7165-0026-0369
1	FIRE ALARM REMOTE POWER SUPPLY "FPS_"		MOUNT IN FACP CABINET	SIMPLEX EPS	7300-0026-0214
1	FIRE ALARM LCD REMOTE ANNUNCIATOR "FANN"		+66" AFF TO TOP OF CABINET	SIMPLEX 4603-9101	7120-0026-0225
1	ADDRESSABLE MANUAL PULL STATION ON FLUSH WALL MOUNTED OUTLET BOX	F	+48" AFF TO CENTER	SIMPLEX 4099-9006	7150-0026:0224
54	ADDRESSABLE PHOTO SMOKE DETECTOR ON FLUSH CEILING MOUNTED OUTLET BOX		CEILING	SIMPLEX 4098-9714	7272-0026:0218
43	ADDRESSABLE HEAT DETECTOR ON FLUSH CEILING MOUNTED OUTLET BOX		ATTIC SPACE	SIMPLEX 4098-9733	7270-0026:0216
0	ADDRESSABLE MONITOR MODULE MOUNTS TO 4S DEEP BOX W/4S EXT	MM	FIELD VERIFY	SIMPLEX 4090-9001	7300-0026:0223
0	ADDRESSABLE CONTROL MODULE MOUNTS TO 4S DEEP BOX W/4S EXT	CM	FIELD VERIFY	SIMPLEX 4090-9002	7300-0026:0223
2	ADDRESSABLESINGLE INPUT RELAY MODULE MOUNTS TO 4S DEEP BOX W/4S EXT	CR	FIELD VERIFY	SIMPLEX 4090-9007	7300-0026:0223
5	WEATHERPROOF SPEAKER ON FLUSH WALL MOUNTED IN WEATHERPROOF BACKBOX	S WP 1W	+90" AFF TO TOP	COOPER/WHEELOCK ET1010-R	7320-0785:0105
18	FIRE ALARM SPEAKER/STROBE CEILING MOUNTED IN A 4S DEEPBOX W/4S EXT (#CD DENOTES CANDELA)	#CD	CEILING	COOPER/WHEELOCK E90-24MCC-FW	7125-0785:0152
3	FIRE ALARM SPEAKER/STROBE WALL MOUNTED IN A 4S DEEPBOX W/4S EXT (#CD DENOTES CANDELA)	#CD	+80" - 96" AFF TO BOTTOM OF LENS	COOPER/WHEELOCK E70-24MCC-FW	7125-0785:0152
6	FIRE ALARM CEILING MOUNTED STROBE ON 4S DEEP BOX (#CD DENOTES CANDELA)	#CD	CEILING	COOPER/WHEELOCK LSTC3	7125-0785:0169
0	FIRE ALARM WALL MOUNTED STROBE ON 4S DEEP BOX (#CD DENOTES CANDELA)	#CD	+80" - 96" AFF TO BOTTOM OF LENS	COOPER/WHEELOCK LST	7125-0785:0169

FIRE ALARM DEVICE WIRING

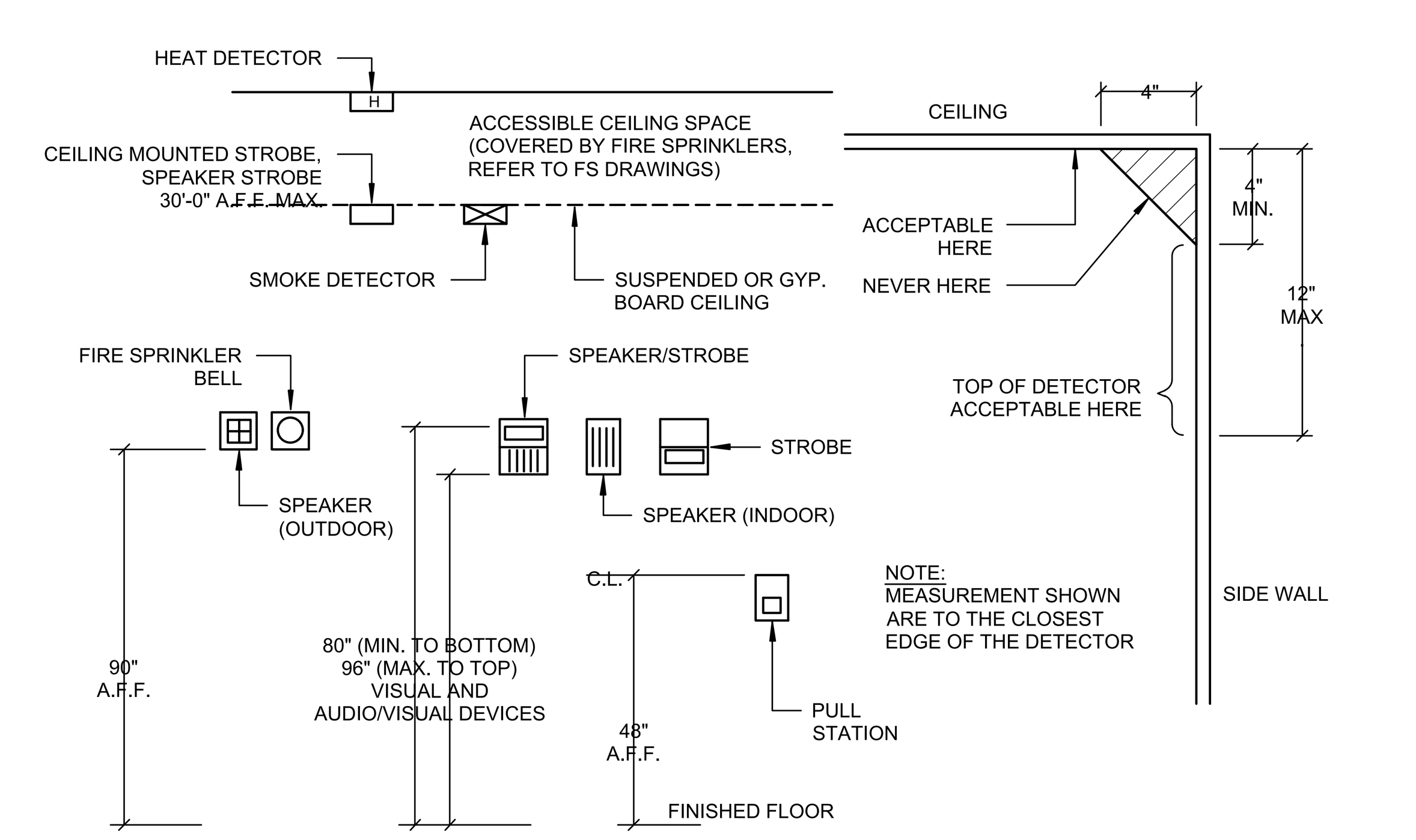


TYPICAL INITIATING CIRCUIT



TYPICAL NOTIFICATION CIRCUIT

FIRE ALARM DEVICE MOUNTING ELEVATIONS



FIRE ALARM SYSTEM NOTES

FIRE ALARM NOTE:
FIRE ALARM SUBMITTAL IS A COMPLETE PLAN SUBMITTAL IN ACCORDANCE WITH CFC-901.1 AND 907.1.1.

FIRE ALARM COMPLETE PLAN SUBMITTAL

1.0 PROJECT INFORMATION

A. OCCUPANCY GROUP

REFER TO ARCHITECTURAL DRAWINGS.

B. CONSTRUCTION TYPE

REFER TO ARCHITECTURAL DRAWINGS.

C. PENETRATIONS OF FIRE RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 7, TITLE 24. REFER TO THE ARCHITECTURAL PLANS FOR FIRE-RATE CORRIDOR(S), OCCUPANCY SEPARATION(S) AND AREA SEPARATION WALL(S).

D. UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY.

E. PROVIDE A STATEMENT OF COMPLIANCE WHEN REQUESTING INSPECTION CFC 901.2.1

F. THE FIRE ALARM SYSTEM DESIGN FOR THIS PROJECT IS ADDRESSABLE AND FULLY AUTOMATIC.

2.0 APPLICABLE CODES AND STANDARDS

A. PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2017*

2016 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.*

2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2015 INTERNATIONAL BUILDING CODE VOL. 1-2 AND 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2014 NATIONAL ELECTRICAL CODE AND 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (2015 IAPMO UNIFORM MECHANICAL CODE AND 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2015 IAPMO UNIFORM PLUMBING CODE AND 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA ENERGY CODE (CEC), PART6, TITLE 24 C.C.R.

2016 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R. (2015 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2015 INTERNATIONAL EXISTING BUILDING CODE AND 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), PART 11, TITLE 24 CCR

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS.

2013 ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS.

B. PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	STANDARD FOR INSTALL OF SPRINKLER SYSTEMS (CA AMENDED)	2016 EDITION
NFPA 14	STANDARD FOR INSTALL OF STANDPIPE & HOSE SYSTEMS	2013 EDITION
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2013 EDITION
NFPA 17A	STANDARD FOR WET CHEMICAL SYSTEMS	2013 EDITION
NFPA 20	INSTALL OF STATIONARY PUMPS FOR FIRE PROTECTION	2016 EDITION
NFPA 22	STANDARD FORWATER TANKS FOR PRIVATE FIRE PROTECTION	2013 EDITION
NFPA 24	STANDARD FOR THE INSTALL OF PRIVATE FIRE MAINS AND THEIR APPURTENANCES	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2016 EDITION
NFPA 80	STANDARD FOR FIRE DOORS & OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2015 EDITION
UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2010)
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPARED	2002 EDITION
ICC 300	STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS	2012 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2016 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE, CHAPTER 35, FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

*ALL PARTS OF THE 2016 CALIFORNIA BUILDING CODE BECOME EFFECTIVE JANUARY 1, 2017 EXCEPT THE EFFECTIVE DATE FOR THE USE OF THE 2016 BUILDING ENERGY EFFICIENCY STANDARDS (TITLE 24, PART 1 CHPATER 10) IS FEBRUARY 25, 2016 AND THE EFFECTIVE DATE FOR THE USE OF THE CALIFORNIA ADMINISTRATIVE CODE ((TITLE 24, PART 1, CHAPTER 4) IS JANUARY 20, 2016.

3.0 UPON RECEIPT OF THE CERTIFICATE OF COMPLIANCE, THE INSTALLER SHALL SUPPLY THE OWNER WITH A WRITTEN OPERATING, TESTING AND MAINTENANCE INSTRUCTIONS, POINT-TO-POINT AS BUILD DRAWINGS AND EQUIPMENT SPECIFICATIONS.

4.0 NFPA 72 CHAPTER 10,14 INSPECTION TESTING AND MAINTENANCE COMPLETE THE INSPECTION AND TESTING FORM IN ITS ENTIRETY SUBMIT A COPY TO THE DISTRICT, ARCHITECT AND DSA DIVISION OF FIRE AND LIFE SAFETY.

5.0 OCCUPANCY PROHIBITED TO ANY PORTION OF BUILDING UNTIL FIRE ALARM SYSTEM HAS BEEN TESTED AND APPROVED. CBC 901.5; CFC 901.5.1
RECORD DRAWINGS OF ALL INSPECTION, TEST SHALL BE MAINTAINED ON PREMISES MINIMUM THREE YEARS. CFC 901.6.2 (5 YEARS PER TITLE 14)
SMOKE DETECTORS TO UTILIZE CALIBRATED MANUFACTURE SENSITIVITY TEST INSTRUMENT. CFC 907.9.4

FIRE ALARM GENERAL NOTES

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE.

2. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESCENCE OF THE AUTHORITY HAVING JURISDICTION (FIRE MARSHAL). THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEST EQUIPMENT (e.g. DIGITAL AMMETER, DECIBEL METER) AND VERIFY THAT THE GROUND FAULT DETECTION FOR THE FIRE ALARM SYSTEM IS OPERATIONAL DURING TESTING AND REMAINS SO ONCE THE SYSTEM IS APPROVED. UPON APPROVAL OF THE FIRE ALARM SYSTEM, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH COMPLETE SET OF OPERATING INSTRUCTIONS FOR THE SYSTEM.

3. A MINIMUM OF 48 HOURS NOTICE SHALL BE REQUIRED PRIOR TO ANY INSPECTION AND/OR TEST.

4. AN APPROVED, STAMPED SET OF THE FIRE ALARM PLANS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATIONS FROM THE APPROVED PLANS, INCLUDING SUBSTITUTION OF DEVICES, SHALL BE APPROVED BY THE INSPECTOR OF RECORD.

5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR OF RECORD.

6. ALL DEVICES OF THE FIRE ALARM SYSTEM SHALL BE APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL.

7. A "RECORD OF COMPLETION" SHALL BE PREPARED BY THE INSTALLER AND GIVEN TO THE FIRE MARSHAL UPON COMPLETION OF THE INSTALLATION.

8. ALL TERMINAL CABINETS AND JUNCTION BOXES SHALL BE CLEARLY MARKED THAT THE ENCLOSURE IS PART OF THE FIRE ALARM SYSTEM.

9. THE CONTRACTOR SHALL LOCATE ALL SMOKE DETECTION DEVICES A MINIMUM OF 36" FROM ANY MECHANICAL REGISTERS.

10. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE. WIRE LENGTHS USED TO CALCULATE VOLTAGE DROPS REPRESENT ESTIMATES BASED ON MEASUREMENTS OF SCALED FLOOR PLAN DRAWINGS. CONTRACTOR TO ROUTE CONDUIT AS FIELD CONDITIONS REQUIRE. CONTRACTOR TO INSTALL ALL DEVICES ACCORDING TO MANUFACTURERS INSTRUCTIONS AND IN COMPLIANCE WITH ALL APPLICABLE CODES.

11. CONTRACTOR SHALL VERIFY LOCATION OF POST INDICATOR VALVES (PIV's) AND/OR OUTSIDE STEM & YOKE (OS&Y) VALVES INSTALLED ON FIRE SPRINKLER SERVICE. CONTRACTOR SHALL PROVIDE AND INSTALL TAMPER SWITCH(ES) AT EACH OF THESE VALVES AND INTERCONNECT TAMPER SWITCH(ES) TO THE FIRE ALARM CONTROL PANEL (FACP).

12. ALL WIRING TO BE IN CONDUIT. ALL CONDUIT IS TO BE A 3/4" MINIMUM. IF FLEX CONDUIT IS USED TO TRANSITION DOWN TO CEILING DEVICE THE FLEX CAN BE NO LONGER THAN 5 FEET.

13. CONTRACTOR SHALL EXTEND AND MAKE ALL FINAL CONNECTIONS TO EXISTING FIRE ALARM AND CENTRAL MONITORING FOR A COMPLETE AND FULLY CAMPUS WIDE FIRE ALARM NETWORK SYSTEM.

14. VISIT THE SITE PRIOR TO BID AND INVESTIGATE THE EXISTING FIRE ALARM SYSTEM EQUIPMENT. COORDINATE WITH THE EXISTING SYSTEMS MANUFACTURERS FOR ALL REQUIRED EQUIPMENT MODIFICATIONS, CONDUITS, WIRING AND UPGRADING REQUIRED TO EXTEND/NETWORK THE EXISTING SYSTEM TO THE NEW BUILDINGS. INCLUDE ALL COSTS IN BID. ALL NEW COMPONENTS SHALL BE COMPATIBLE WITH THE EXISTING SYSTEM.

15. FIRE ALARM SYSTEM SPLICES ARE NOT PERMITTED IN UNDERGROUND PULLBOXES.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159
agency

tBP architecture planning interiors
tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

REGISTERED PROFESSIONAL ENGINEER STEPHEN B. SLICEK No. E 10372 Exp. 09-30-20 ELECTRICAL STATE OF CALIFORNIA

FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaengr.com
FBA Job Number: 212.220
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

tBP project number : 20987.00	
file name:	
drawn by:	checked by:
date: 8.29.19	
Rev: date: description:	

drawing title:
FIRE ALARM EQUIP. SCHEDULE & NOTES

drawing no.:
EF-1
drawing of

12/20/2018 5:25:22 PM

FIRE ALARM VOLTAGE DROP CALCULATIONS

LOCATION	CIRCUIT #	SERVICE TO	DISTANCE (FEET)	CONDUCTOR SIZE (AWG)	LOAD BREAKDOWN	LOAD CIRCUIT TOTAL (AMPS)	VOLTS DROPPED (PERCENT)
1ST FLOOR	V1A	VISUAL DEVICES	250	12	5 @ 0.066 3 @ 0.158 5 @ 0.094 1 @ 0.202	1.476	5.086%
1ST FLOOR	S1A	SPEAKER DEVICES	250	18	0 @ 0.010 5 @ 0.040 6 @ 0.020 0 @ 0.080	0.320	1.524%
1ST FLOOR	V1B	VISUAL DEVICES	300	12	3 @ 0.066 4 @ 0.158 0 @ 0.094 2 @ 0.202	1.234	5.102%
1ST FLOOR	S1B	SPEAKER DEVICES	300	18	0 @ 0.010 7 @ 0.040 2 @ 0.020 0 @ 0.080	0.360	1.1828%
1ST FLOOR	V1C	VISUAL DEVICES	350	12	4 @ 0.066 4 @ 0.158 0 @ 0.094 2 @ 0.202	1.300	6.271%
1ST FLOOR	S1C	SPEAKER DEVICES	350	18	5 @ 0.010 7 @ 0.040 1 @ 0.020 0 @ 0.080	0.330	2.200%
1ST FLOOR	V1D	VISUAL DEVICES	350	12	0 @ 0.066 1 @ 0.158 2 @ 0.094 0 @ 0.202	0.158	0.762%
1ST FLOOR	S1D	SPEAKER DEVICES	350	18	0 @ 0.010 2 @ 0.040 0 @ 0.020 0 @ 0.080	0.080	0.583%
2ND FLOOR	V2A	VISUAL DEVICES	250	12	10 @ 0.066 6 @ 0.158 2 @ 0.094 0 @ 0.202	1.796	6.188%
2ND FLOOR	S2A	SPEAKER DEVICES	250	18	0 @ 0.010 0 @ 0.040 5 @ 0.020 0 @ 0.080	0.100	0.476%
2ND FLOOR	V2B	VISUAL DEVICES	300	12	2 @ 0.066 1 @ 0.158 1 @ 0.094 1 @ 0.202	1.396	5.772%
2ND FLOOR	S2B	SPEAKER DEVICES	300	18	0 @ 0.010 1 @ 0.040 9 @ 0.020 0 @ 0.080	0.220	1.257%
2ND FLOOR	V2C	VISUAL DEVICES	350	12	5 @ 0.066 6 @ 0.158 2 @ 0.094 0 @ 0.202	1.466	7.072%
2ND FLOOR	S2C	SPEAKER DEVICES	350	18	2 @ 0.010 1 @ 0.040 11 @ 0.020 0 @ 0.080	0.280	1.866%

NOTE: WORST CASE

FORMULA: $\frac{\text{AMPS X DISTANCE X 21.6}}{\text{CIRC. MILS}} \times \frac{100}{\text{VOLTS}} = \text{\% DROPPED}$

CIRCUIT V2C: $\frac{1.466 \times 350' \times 21.6}{6530} \times \frac{100}{24} = 7.072\%$

CIRCUIT S1C: $\frac{0.330 \times 350' \times 21.6}{1620} \times \frac{100}{70} = 2.200\%$

FIRE ALARM BATTERY CALCULATIONS

DIGITAL AUDIO AMPLIFIER "AMP1"

DEVICE	STAND-BY CURRENT	ALARM CURRENT
(1) CONTROLS	0.400	0.500
(0) 0.25W SPEAKER	———	0.000
(13) 0.50W SPEAKER	———	0.260
(21) 1W SPEAKER	———	0.840
(0) 2W SPEAKER	———	0.000
TOTAL	0.400	1.600

TOTAL STANDBY CURRENT X 60 HOURS = 0.400 A x 60 HOURS = 24.000 A-HR
TOTAL NEW ALARM CURRENT X 10 MINUTES = 1.600 A x 0.25 HR = 0.400 A-HR

TOTAL MINIMUM AMPERE - HOUR RATING OF BATTERIES = 24.400 A-HR

NOTES:

1. BATTERY CALCULATION SHALL BE BASED ON A MINIMUM OF 60.0 HOURS STANDBY AND 10 MINUTES ALARM.
2. PROVIDE A MINIMUM OF 40 A-HR OF TOTAL BATTERY STANDBY POWER FOR FIRE ALARM CONTROL PANEL.

DIGITAL AUDIO AMPLIFIER "AMP2"

DEVICE	STAND-BY CURRENT	ALARM CURRENT
(1) CONTROLS	0.400	0.500
(2) 0.25W SPEAKER	———	0.020
(25) 0.50W SPEAKER	———	0.500
(6) 1W SPEAKER	———	0.240
(0) 2W SPEAKER	———	0.000
TOTAL	0.400	1.260

TOTAL STANDBY CURRENT X 60 HOURS = 0.400 A x 60 HOURS = 24.000 A-HR
TOTAL NEW ALARM CURRENT X 10 MINUTES = 1.260 A x 0.25 HR = 0.315 A-HR

TOTAL MINIMUM AMPERE - HOUR RATING OF BATTERIES = 24.315 A-HR

NOTES:

1. BATTERY CALCULATION SHALL BE BASED ON A MINIMUM OF 60.0 HOURS STANDBY AND 10 MINUTES ALARM.
2. PROVIDE A MINIMUM OF 40 A-HR OF TOTAL BATTERY STANDBY POWER FOR FIRE ALARM CONTROL PANEL.

FIRE ALARM CONTROL PANEL "FACP"

DEVICE	STAND-BY CURRENT	ALARM CURRENT
(1) CONTROLS	0.340	0.340
(1) REMOTE ANNUCIATOR	0.100	0.225
(1) REMOTE MICROPHONE	0.040	0.160
(175) SMOKE DETECTOR	0.053	1.050
(97) HEAT DETECTOR	0.020	0.582
(2) PULLSTATION	0.001	0.001
(13) MONITOR MODULE	0.004	0.004
(0) CONTROL MODULE	0.000	0.000
(16) RELAY MODULE	0.005	0.005
TOTAL	0.563	2.367

TOTAL STANDBY CURRENT X 60 HOURS = 0.563 A x 60 HOURS = 33.78 A-HR
TOTAL NEW ALARM CURRENT X 10 MINUTES = 62.367 A x 0.25 HR = 0.592 A-HR

TOTAL MINIMUM AMPERE - HOUR RATING OF BATTERIES = 34.372 A-HR

NOTES:

1. BATTERY CALCULATION SHALL BE BASED ON A MINIMUM OF 60.0 HOURS STANDBY AND 10 MINUTES ALARM.
2. PROVIDE A MINIMUM OF 60 A-HR OF TOTAL BATTERY STANDBY POWER FOR FIRE ALARM CONTROL PANEL.

FIRE ALARM POWER SUPPLY "PS1"

DEVICE	STAND-BY CURRENT	ALARM CURRENT
(1) CONTROLS	0.091	0.145
(12) 15cd STROBE	———	0.792
(5) 30cd STROBE	———	0.470
(11) 75cd STROBE	———	1.738
(5) 110cd STROBE	———	1.010
TOTAL	0.091	4.155

TOTAL STANDBY CURRENT X 60 HOURS = 0.091 A x 60 HOURS = 5.460 A-HR
TOTAL NEW ALARM CURRENT X 10 MINUTES = 4.155 A x 0.25 HR = 1.039 A-HR

TOTAL MINIMUM AMPERE - HOUR RATING OF BATTERIES = 6.499 A-HR

NOTES:

1. BATTERY CALCULATION SHALL BE BASED ON A MINIMUM OF 60.0 HOURS STANDBY AND 10 MINUTES ALARM.
2. PROVIDE A MINIMUM OF 10 A-HR OF TOTAL BATTERY STANDBY POWER FOR FIRE ALARM CONTROL PANEL.

FIRE ALARM POWER SUPPLY "PS2"

DEVICE	STAND-BY CURRENT	ALARM CURRENT
(1) CONTROLS	0.091	0.145
(17) 15cd STROBE	———	1.122
(5) 30cd STROBE	———	0.470
(20) 75cd STROBE	———	3.160
(1) 110cd STROBE	———	0.202
TOTAL	0.091	5.099

TOTAL STANDBY CURRENT X 60 HOURS = 0.091 A x 60 HOURS = 5.460 A-HR
TOTAL NEW ALARM CURRENT X 10 MINUTES = 5.099 A x 0.25 HR = 1.275 A-HR

TOTAL MINIMUM AMPERE - HOUR RATING OF BATTERIES = 6.735 A-HR

NOTES:

1. BATTERY CALCULATION SHALL BE BASED ON A MINIMUM OF 60.0 HOURS STANDBY AND 10 MINUTES ALARM.
2. PROVIDE A MINIMUM OF 10 A-HR OF TOTAL BATTERY STANDBY POWER FOR FIRE ALARM CONTROL PANEL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159
agency

tBP
architecture
planning
interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue Suite A120
Costa Mesa, CA 92626
949.852.9995 • 949.852.1657 (fax)
fbaengr.com
FBA Job Number: 212.220
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name:

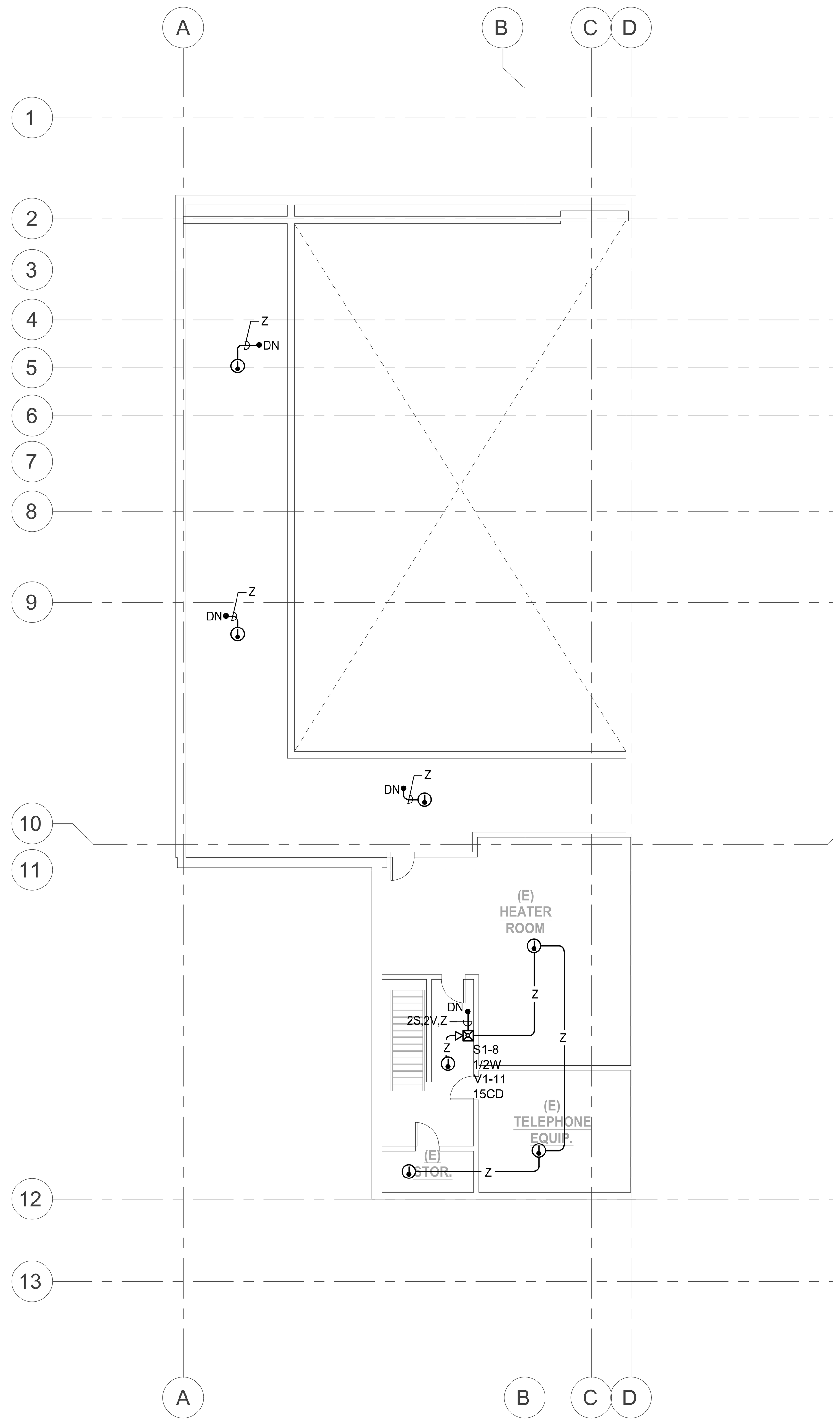
drawn by: checked by:

date 8.29.19

Rev: date: description:

drawing title:
FIRE ALARM CALCULATIONS

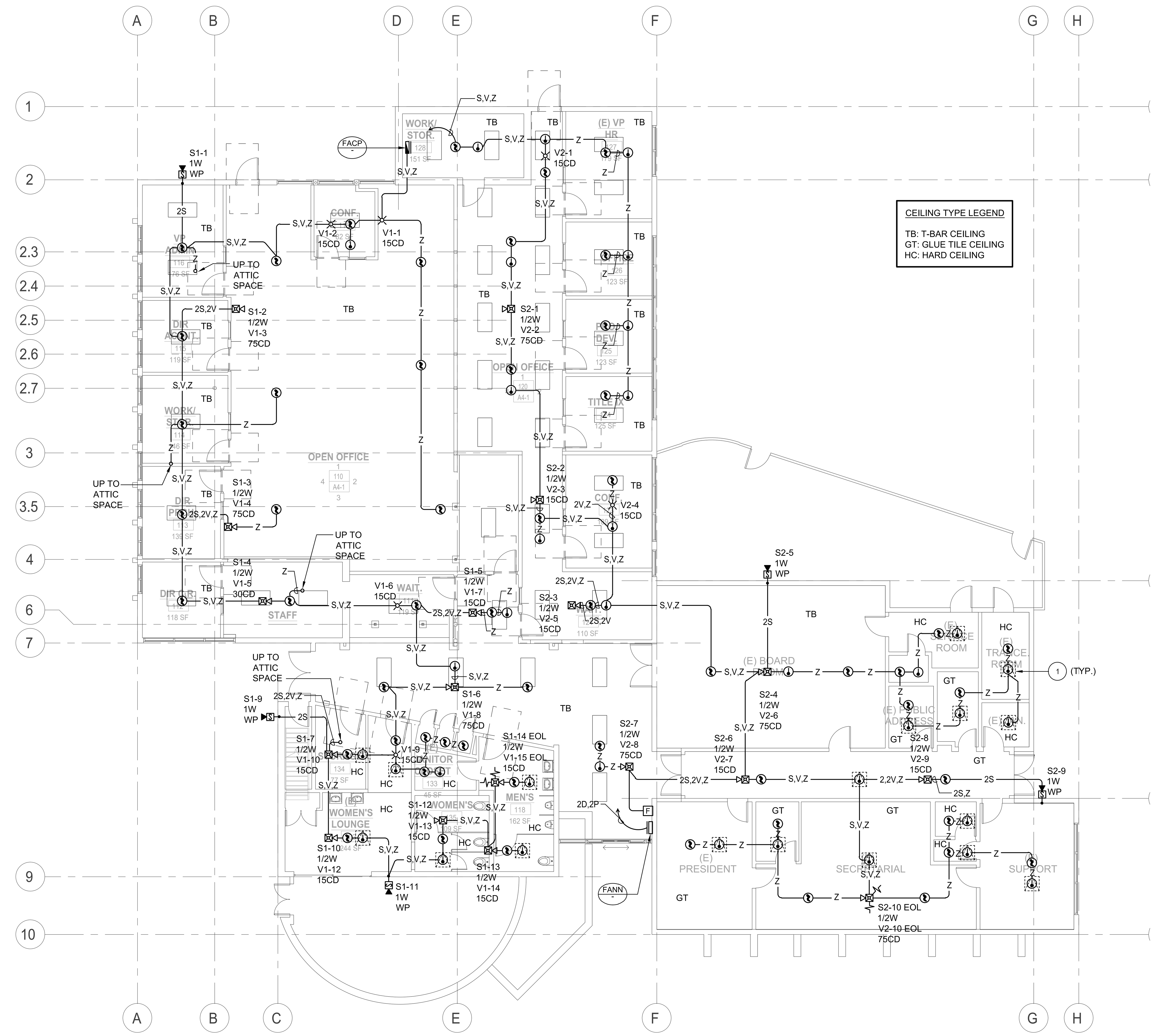
drawing no.:
EF-2
drawing of



2ND FLOOR FIRE ALARM PLAN (2)

SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'



1ST FLOOR FIRE ALARM PLAN (1)

SCALE 1/8" = 1'-0"

0' 2' 4' 8' 16'

CEILING TYPE LEGEND

TB: T-BAR CEILING
GT: GLUE TILE CEILING
HC: HARD CEILING

KEY NOTES

(1) PROVIDE ACCESS PANEL FOR ACCESS TO ATTIC HEAT DETECTORS PER DETAIL "6/E0.3".

FIRE ALARM RACEWAY SCH.

SYMBOL	CONDUCTORS	SIZE
D	2#16 TP SHEILDED FPLP (ANNUNCIATOR DATA COMM)	3/4"C.
P	2#18 FPLP (24VDC ANNUNCIATOR POWER)	3/4"C.
S	2#14 TSP FPLP (SPEAKER CIRCUIT)	3/4"C.
V	2#12 FPLP (VISUAL CIRCUIT)	3/4"C.
Z	2#16 FPLP TP (SLC LOOP)	3/4"C
S,V,Z	2#16 FPLP TP (SLC LOOP), 2#12 FPLP (VISUAL CIRCUIT, & 2#14 TSP FPLP (SPEAKER CIRCUIT)	3/4"C
2S,2V,Z	4#16 FPLP TP (SLC LOOP), 4#12 FPLP (VISUAL CIRCUIT, & 4#14 TSP FPLP (SPEAKER CIRCUIT)	1"C
2S,2V	4#12 FPLP (VISUAL CIRCUIT,& 4#14 TSP FPLP (SPEAKER CIRCUIT)	3/4"C
2S	4#14 TSP FPLP (SPEAKER CIRCUIT)	3/4"C
2V	4#12 FPLP (VISUAL CIRCUIT)	3/4"C

NOTE "ALL UNDERGROUND CABLING SHALL BE RATED FOR WET LOCATION." (TYPE THWN OR AQUASEAL)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

FBA Engineering
Consulting Electrical Engineers
150 Paularino Avenue
Costa Mesa, CA 92626
949.852.9995
fbaengr.com

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00

file name:

drawn by: checked by:

date 8.29.19

Rev: date: description:

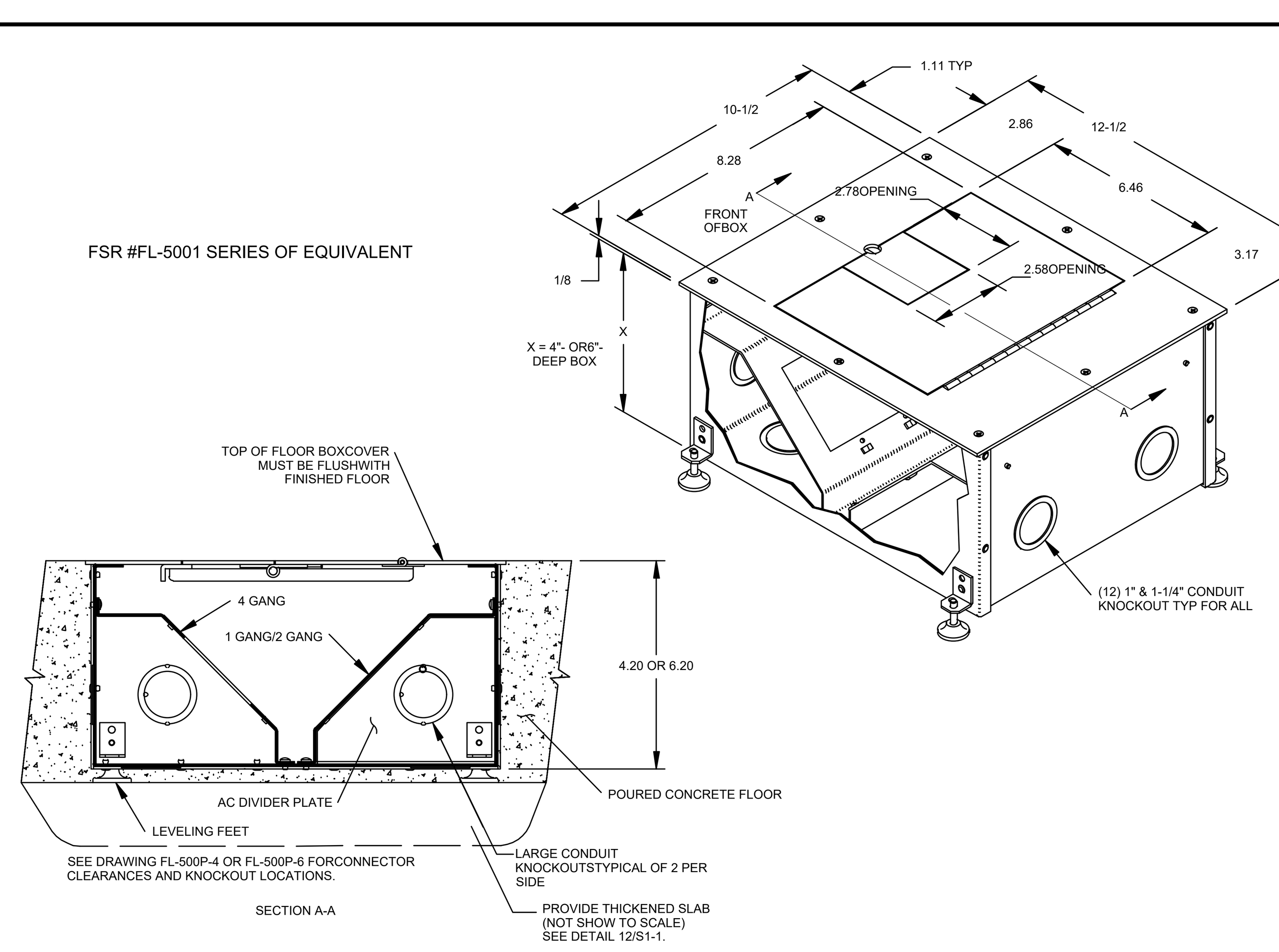
drawing title:

FIRE ALARM PLANS

drawing no.:

EF-3

drawing of

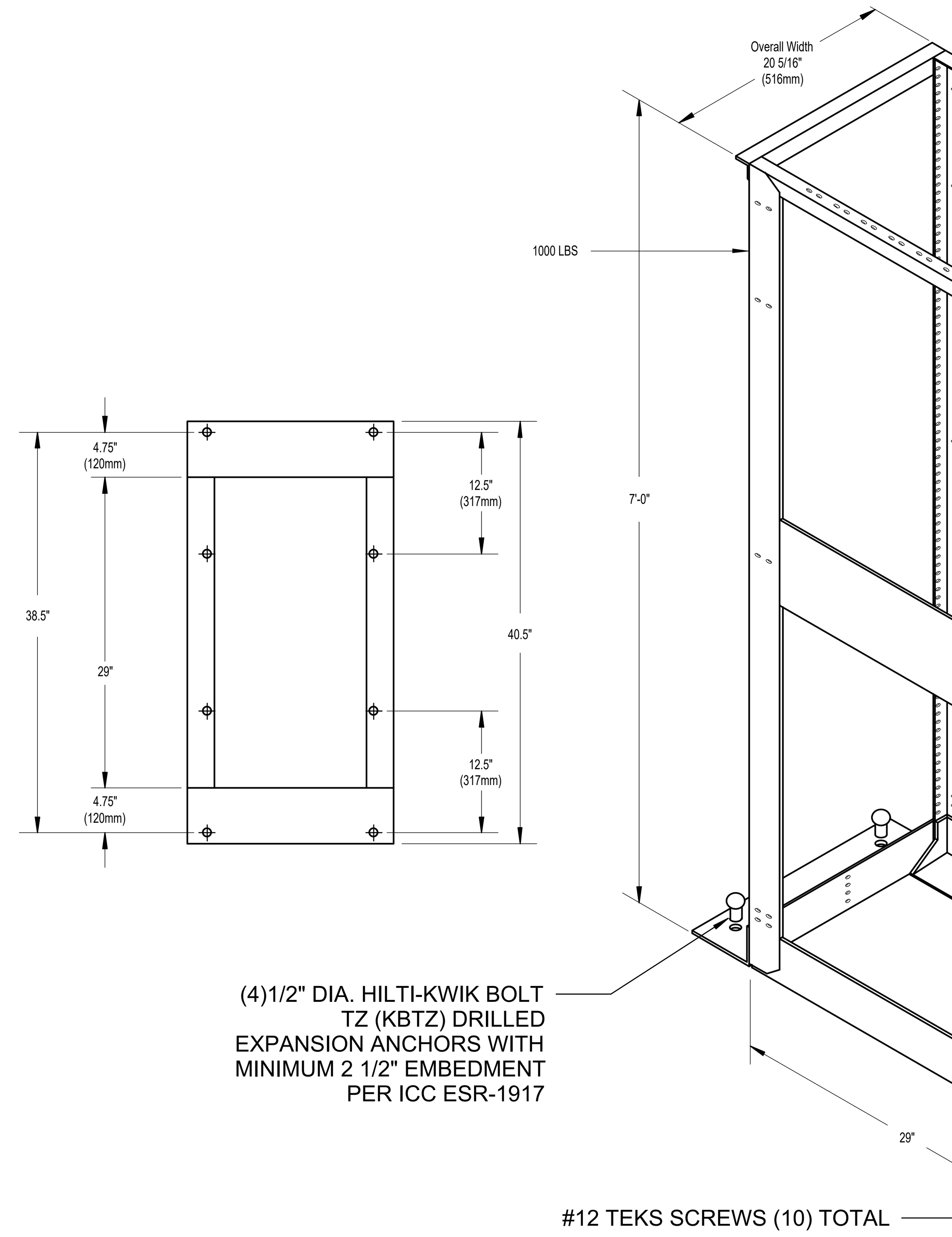


FLOOR BOX DETAIL

SCALE N.T.S. 2

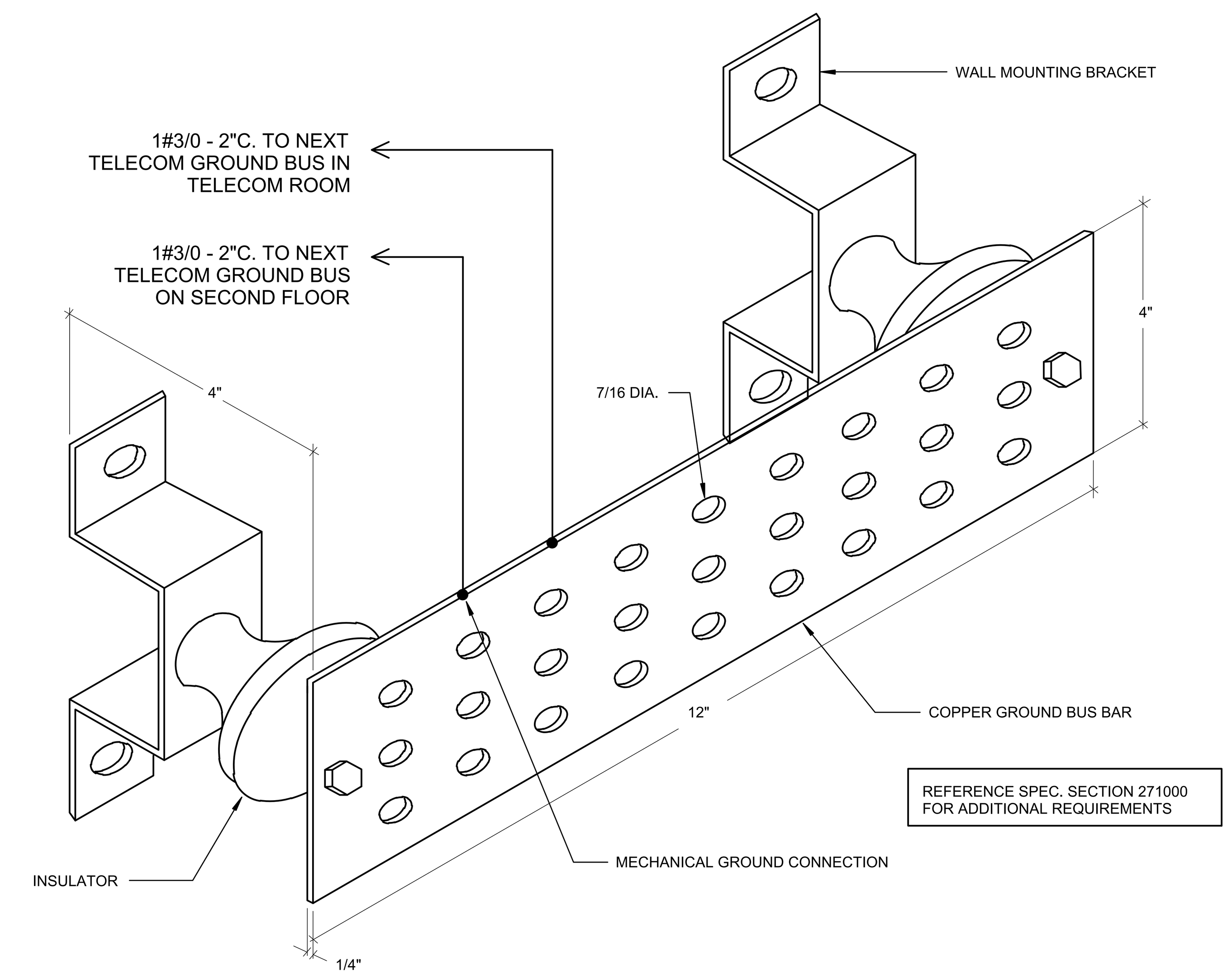
PERFORMANCE NOTES

1. REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR CASEWORK LOCATIONS AND INSTALL ALL OUTLETS IN MOUNTING HEIGHTS AND LOCATIONS AS DIRECTED BY THE ARCHITECT. VERIFY ALL MOUNTING HEIGHTS AND LOCATIONS PRIOR TO ROUGH-IN. CONTRACTOR SHALL INCLUDE ALL COSTS IN BID TO COMPLY WITH THIS PROVISION.



4 - POST RACK ANCHORAGE DETAIL

SCALE N.T.S. 3



TECHNICAL GROUND BUS - MDF

SCALE N.T.S. 1

Symbol	Description
TV	TELEVISION/COAX SYSTEM - 1"C. WITH COAX CABLES AS SPECIFIED.
M1	MICROPHONE SYSTEM - 3/4"C. WITH CABLING AS SPECIFIED. M2 - 1"C. WITH CABLING AS SPECIFIED. M3 - 1 1/4"C. WITH CABLING AS SPECIFIED. M4 - (2) 1"C. WITH CABLING AS SPECIFIED.
ID	INTRUSION DETECTION SYSTEM - 3/4"C., WITH INTRUSION DETECTION SYSTEM CABLING AS SPECIFIED.
1V	TELEPHONE/VOICE SYSTEM - 3/4"C. WITH ONE (1) TELEPHONE SYSTEM CABLE AS SPECIFIED. 2V - 1"C. WITH TWO (2) TELEPHONE SYSTEM CABLES AS SPECIFIED. 3V - 1 1/4"C. WITH THREE (3) TELEPHONE SYSTEM CABLES AS SPECIFIED. 4V - 1 1/4"C. WITH FOUR (4) TELEPHONE SYSTEM CABLES AS SPECIFIED.
P	PUBLIC ADDRESS SYSTEM - 3/4"C., WITH PA SYSTEM CABLING AS SPECIFIED.
1D	COMPUTER/DATA PROCESSING SYSTEM - 1"C., WITH ONE (1) DATA NETWORK CABLE AS SPECIFIED. 2D - 1"C. WITH TWO (2) DATA NETWORK CABLES AS SPECIFIED. 3D - 1 1/4"C. WITH THREE (3) DATA NETWORK CABLES AS SPECIFIED. 4D - 1 1/4"C. WITH FOUR (4) DATA NETWORK CABLES AS SPECIFIED. 5D - 1 1/4"C. WITH FOUR (4) DATA NETWORK CABLES AS SPECIFIED. 6D - 1 1/4"C. WITH FOUR (4) DATA NETWORK CABLES AS SPECIFIED.
2D AP	COMPUTER/DATA OUTLET, WITH TWO (2) OUTLET CONNECTORS, ON FLUSH CEILING MOUNTED OUTLET BOX FOR WIRELESS ACCESS POINT. PROVIDE OUTLET BOX, DATA JACKS AND TWO (2) CAT6A DATA NETWORKS CABLES AS SPECIFIED FROM THE OUTLET TO THE RESPECTIVE IDF/MDF. PROVIDE 15'-0" ADDITIONAL SLACK CABLE COILED ABOVE CEILING FOR POTENTIAL ADJUSTMENT OF WIRELESS ACCESS POINT LOCATION.
2D	COMPUTER/DATA OUTLET, WITH TWO (2) OUTLET CONNECTORS, ON FLUSH WALL MOUNTED OUTLET BOX +18". PROVIDE OUTLET BOX, DATA JACKS AND 1" CONDUIT TO ACCESSIBLE CEILING SPACE UNLESS NOTED OTHERWISE. PROVIDE TWO (2) CAT6E DATA NETWORK CABLES AS SPECIFIED FROM THE OUTLET TO THE RESPECTIVE IDF/MDF. "C" DESIGNATION INDICATES MOUNT OUTLET +6" ABOVE THE COUNTER SPLASH.
1D	COMPUTER/DATA OUTLET, WITH A SINGLE OUTLET CONNECTOR, ON FLUSH WALL MOUNTED OUTLET BOX +18". PROVIDE OUTLET BOX, DATA JACKS AND 1" CONDUIT TO ACCESSIBLE CEILING SPACE UNLESS NOTED OTHERWISE. PROVIDE ONE(1) CAT6E DATA NETWORK CABLES AS SPECIFIED FROM THE OUTLET TO THE RESPECTIVE IDF/MDF. "W" INDICATES WALL MOUNT AT +45" FOR VOICE. "C" DESIGNATION INDICATES MOUNT OUTLET +6" ABOVE THE COUNTER SPLASH. "P" DESIGNATION INDICATES AT PROJECTOR. "S" DESIGNATON INDICATES FOR SECURITY.
2V	VOICE OUTLET, WITH A TWO (2) OUTLET CONNECTORS, ON FLUSH WALL MOUNTED OUTLET BOX +18". PROVIDE OUTLET BOX, VOICE JACKS AND 1" CONDUIT TO ACCESSIBLE CEILING SPACE UNLESS NOTED OTHERWISE. PROVIDE TWO(2) CAT6E DATA NETWORK CABLES AS SPECIFIED FROM THE OUTLET TO THE RESPECTIVE IDF/MDF. "W" INDICATES WALL MOUNT AT +45" FOR VOICE, PROVIDE STAINLESS STEEL WALL PLATE WITH HANGER. "C" DESIGNATION INDICATES MOUNT OUTLET +6" ABOVE THE COUNTER SPLASH. "P" DESIGNATION INDICATES AT PROJECTOR. "S" DESIGNATION INDICATES FOR SECURITY.
"E"	DESIGNATION INDICATES DEDICATED TELEPHONE LINES FOR ELEVATOR.
M	INTERCOM MICROPHONE ON FLUSH CEILING MOUNTED OUTLET BOX.
S	AUDIO ENHANCEMENT SPEAKER IN FLUSH CEILING MOUNTED BACKBOX.
(clock)	12.5" DIA. ANALOG SELF CORRECTING 120V. OPERATED CLOCK, +90" A.F.F. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS.
+45"	MOUNTING HEIGHT TO CENTER LINE OF DEVICE FROM FINISH FLOOR OR EXTERIOR GRADE
1	PLAN NOTE CALLOUT. REFER TO CORRESPONDING NOTE ON DRAWING WHERE CALLOUT OCCURS.
WP	WEATHERPROOF EXTERIOR LONG THROW PUBLIC ADDRESS HORN SPEAKER, WALL MOUNTED.
AV	AUDIO/VIDEO CONNECTOR PLATE, ON FLUSH WALL MOUNTED OUTLET BOX. PROVIDE OUTLET BOX AND 1 1/2"C., CONDUIT CONCEALED IN WALL TO THE ACCESSIBLE CEILING SPACE UNLESS NOTED OTHERWISE. PROVIDE HDMI CABLE FROM THE INSTRUCTOR'S DESK TO THE SHORT THROW PROJECTOR OR LCD DISPLAY OUTLET LOCATED AT THE TEACHING WALL. MOUNT AV OUTLET AT INSTRUCTOR'S DESK AT +18". MOUNT AV OUTLET AT PROJECTOR ON DISPLAY AT + 70".
TC	AUDIO/VIDEO CONTROL PANEL, ON FLUSH IN WALL MOUNTED OUTLET BOX, +45"A.F.F. LOCATED AT INSTRUCTOR'S DESK. PROVIDE CONTROL PANEL, OUTLET BOX AND 1" CONDUIT CONCEALED IN WALL TO THE AV CONNECTOR PLATE. AT +18"A.F.F. PROVIDE AV CABLING BETWEEN AV CONTROL PANEL AND AV CONNECTOR PLATE IN ACCORDANCE WITH THE AV SYSTEM REQUIREMENTS.
G	GLASS BREAK DETECTOR.
K	INTRUSION DETECTION KEY PAD, ON FLUSH WALL MOUNTED OUTLET BOX, +45".
C	INTRUSION DETECTION SYSTEM DOOR CONTACT SWITCH. INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS.
S	MINI INTRUSION SIREN
ID	INTRUSION DETECTION OCCUPANCY MOTION SENSOR, ON FLUSH CEILING MOUNTED OUTLET BOX.
P	INTRUSION PANIC BUTTON IN FLUSH IN WALL OUTLET BOX, +45".
M	MICROPHONE OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX, +18".
E	ASSISTIVE LISTENING SYSTEM EMITTER, +90".
VP	HANDS-FREE IP CALL BOX, FLUSH WALL MOUNT, +45".
AV	A/V SYSTEM - PROVIDE 1-1/2"C FROM AV CONTROLLER TO SWITCH AT PROJECTOR ON DISPLAY.
TV	TELEVISION/COAX OUTLET ON FLUSH IN WALL OUTLET, +60"U.O.N.
1V 2D	COMBINATION VOICE/DATA NETWORK OUTLET ON FLUSH IN WALL OUTLET BOX, +18", U.O.N. PROVIDE ONE (1) VOICE AND TWO (2) COMPUTER NETWORK CONNECTORS AND COVER PLATES AS SPECIFIED. PROVIDE ONE (1) VOICE AND TWO (2) DATA NETWORK CABLES AS SPECIFIED FROM OUTLET, TO ABOVE CEILING, AND ON TO THE CABLE TRAY. TERMINATE CABLING AT THE RESPECTIVE BDF/MDF/IDF.
AV	COMBINATION DATA/POWER/AUDIO VIDEO FLOOR BOX FLUSH IN FLOOR WITH TWO (2) DATA OUTLETS, TWO (2) DUPLEX RECEPTACLES AND EXTRON AV CONNECTOR PLATE, FLOOR BOX AS MANUFACTURED BY FSR OR EQUAL.
(4)	COMBINATION DATA/POWER FLOOR BOX WITH FOUR (4) DATA OUTLETS AND TWO (2) DUPLEX RECEPTACLES, MANUFACTURED BY FSR OR EQUAL.
(6) R	COMBINATION DATA/POWER FLOOR BOX WITH SIX (6) DATA OUTLETS AND THREE (3) DUPLEX RECEPTACLES, MANUFATURED BY FSR OR EQUAL.
(4) PT	COMBINATION DATA/POWER FLUSH IN FLOOR POKE THROUGH DEVICE WITH FOUR (4) DATA OUTLETS AND TWO (2) DUPPLEX RECEPTACLES, WIREMOLD 8AT SERIES OR EQUAL.
(6) PT	COMBINATION DATA/POWER FLUSH IN FLOOR POKE THROUGH DEVICE WITH SIX (6) DATA OUTLETS AND THREE (3) DUPLEX RECEPTACLES, WIREMOLD 10AT SERIES OR EQUAL.
(4) PT AV	COMBINATION DATA/POWER/AUDIO-VISUAL FLUSH IN FLOOR POKE THROUGH DEVICE WITH FOUR (4) DATA OUTLETS AND TWO (2) DUPLEX RECEPTACLES AND EXTRON AV CONNECTOR PLATE, WIREMOLD 10AT SERIES OR EQUAL.
CR	CARD READER ON FLUSH IN WALL OUTLET BOX, +45". PROVIDE MULLION MOUNT TYPE WHERE NO WALL EXIST. PROVIDE 3/4"C. ABOVE ACCESSIBLE CEILING SPACE.
C	CLOSED CIRCUIT TELEVISION CAMERA. PROVIDE CAMERA AND WEATHERPROOF OUTLET BOX WITH 1" CONDUIT TO CLOSEST CABLE TRAY. PROVIDE INSULATED BUSHINGS ON CONDUIT ENDS. PROVIDE TWO (2) CAT6E COMPUTER/DATA NETWORK CABLES AS SPECIFIED TO THE RESPECTIVE BDF/IDF AND CONNECT AS REQUIRED.
(telephone)	TELEPHONE OUTLET ON FLUSH IN WALL OUTLET BOX, +18"AFF U.O.N. "W" DESIGNATION INDICATES MOUNT AT +45" AFF. "E" DESIGNATION INDICATES FOR ELEVATOR. "F" DESIGNATION INDICATES FOR FAX MACHINE. PROVIDE 3/4"C. TO ABOVE CEILING. PROVIDE MULTI PAIR CABLE FROM OUTLET TO THE RESPECTIVE BDF/IDF.

TELECOM SYMBOL LIST

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159
agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895
architect

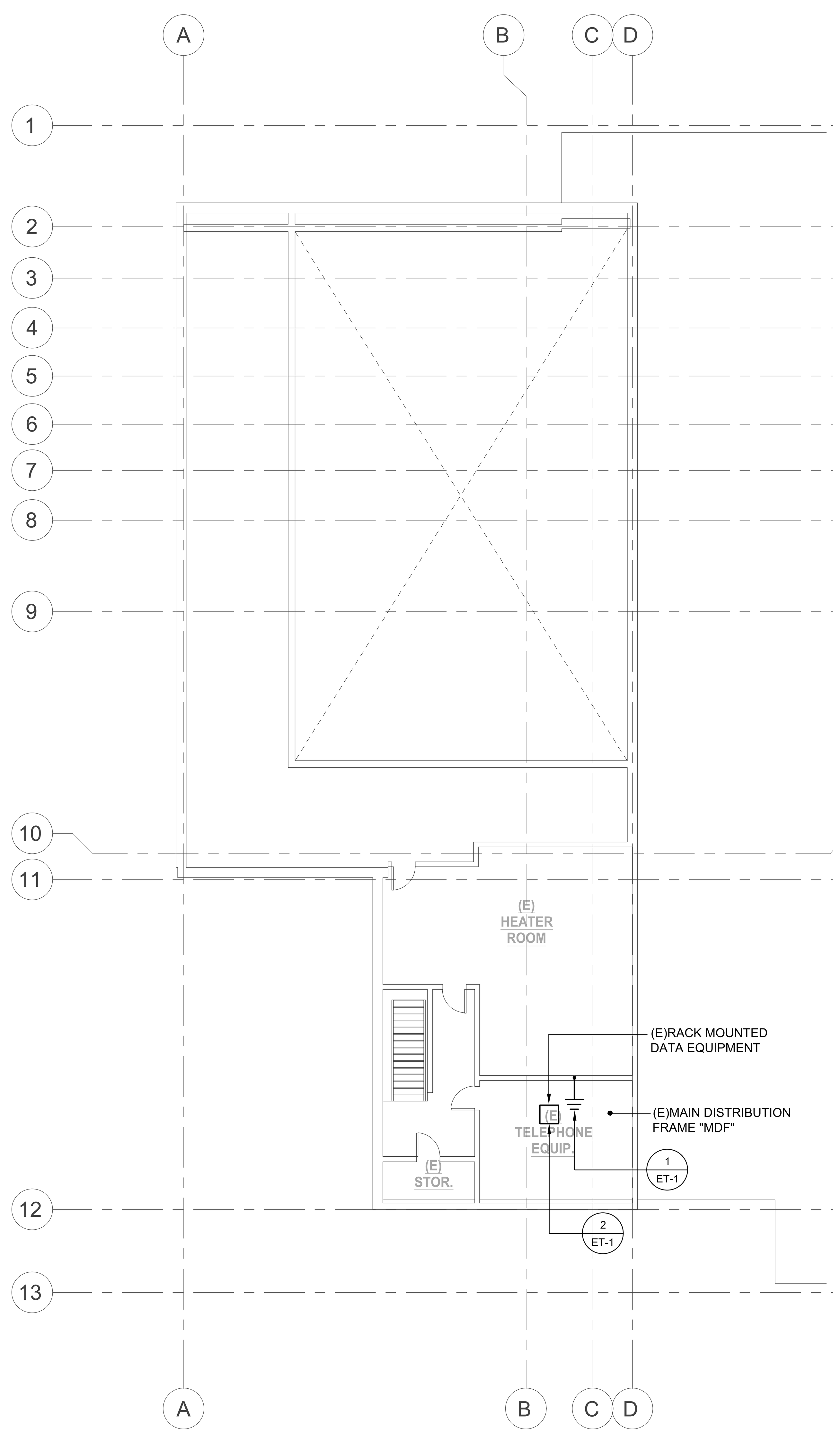
FBA Engineering
consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD.
COMPTON, CA 90221
owner

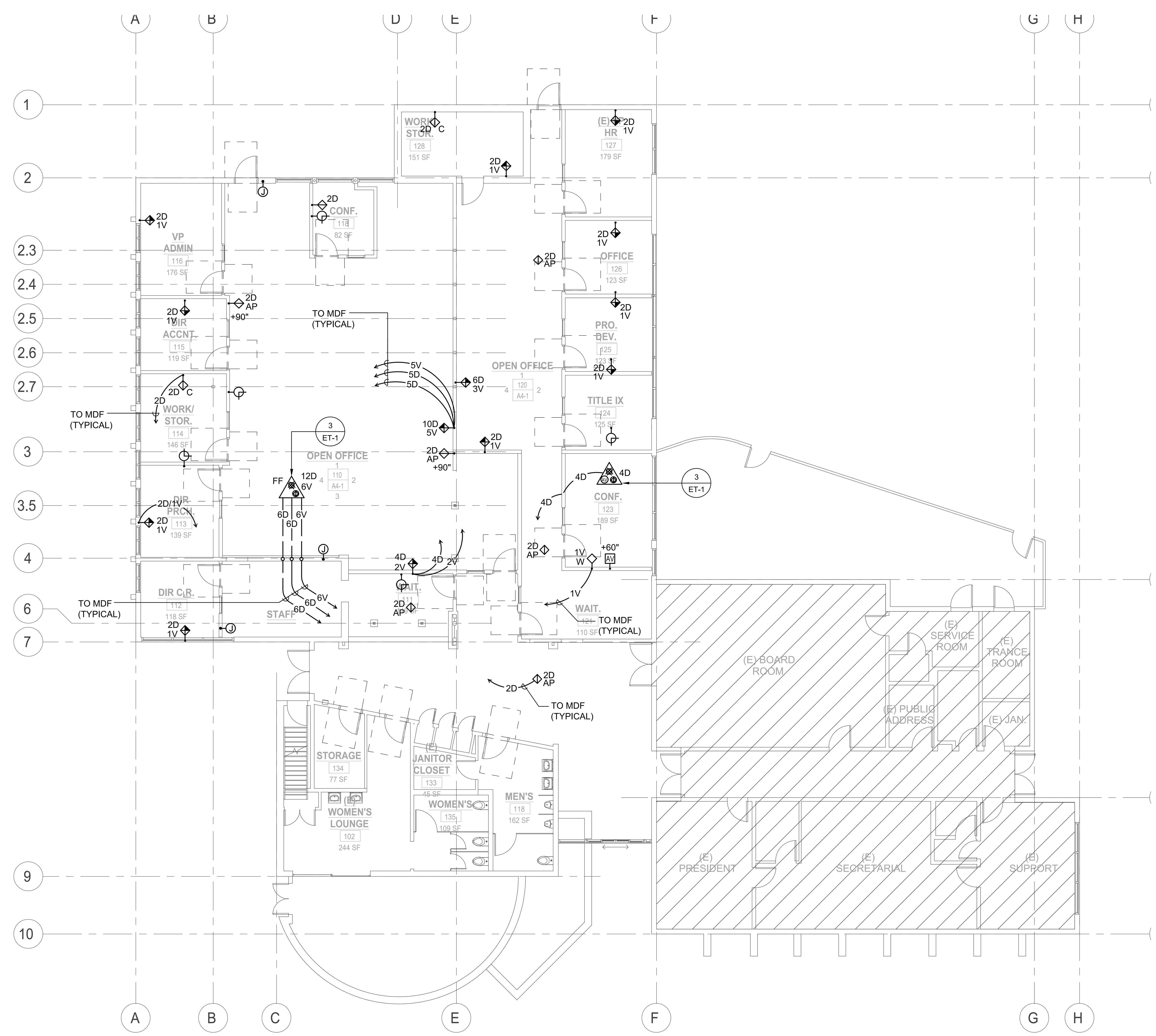
tBP project number : 20987.00
file name:
drawn by: checked by:
date 8.29.19
Rev: date: description:

drawing title:
TELECOM SYMBOL LIST, NOTES AND DETAILS

drawing no.:
ET-1
drawing of



2ND FLOOR TELECOM PLAN 2
SCALE 1/8" = 1'-0"



1ST FLOOR TELECOM PLAN 1
SCALE 1/8" = 1'-0"

TELECOM PERFORMANCE NOTES:

1. REFER TO TELECOM SYMBOL LIST SHEET ET-1 FOR DESCRIPTION OF SYMBOLS.
2. ALL (N) VOICE AND DATA CABLING SHALL TERMINATE AT THE SECOND FLOOR "MDF".
3. ALL CABLING SHALL BE ROUTED IN CONDUIT, 1"C. MINIMUM.

KEY NOTES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-119689 INC: 0
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 10/9/19

DIVISION OF THE STATE ARCHITECT
335 SOUTH GRAND AVENUE, SUITE 2100
LOS ANGELES, CA 90071
ph: 213.897.3995 fx: 213.897.3159

agency

tBP architecture planning interiors

tBP/Architecture
4611 Teller Avenue
Newport Beach, CA 92660
ph: 949.673.0300 fx: 949.732.3895

architect

FBA Engineering

consultant

COMPTON COLLEGE
ADMINISTRATION BUILDING RENOVATION

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

owner

tBP project number : 20987.00
file name:
drawn by: checked by:
date 8.29.19
Rev: date: description:

drawing title:
TELECOM PLANS

drawing no.:
ET-2
drawing of