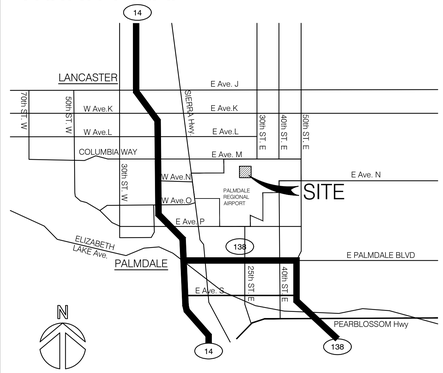
Antelope Valley College
Palmdale Airport Terminal Renovation

Palmdale, California

ABBREVIATIONS

ABV	ABOVE	CPT	CARPET (ED)	DIAG	DIAGONAL	FGL	FIBERGLASS	GPL	GYPSUM LATH	LC	LIGHT CONTROL	OPO	OPAQUE	RAD	RADIUS	SPEC	SPECIFICATION (S)	VNR	VENEER
AFF	ABOVE FINISHED FLOOR	CSMT	CASEMENT	DIA	DIAMETER	FN	FIELD NAILING	GPPL	GYPSUM PLASTER	LP	LIGHTPROOF	OPNG	OPENING	RL	RAILING	SQ	SQUARE	VFY	VERIFY
ASC	ABOVE SUSPENDED CEILING	CIPC	CAST-IN-PLACE CONCRETE	DIM	DIMENSION	FIN	FINISH (ED)	GPT	GYPSUM TILE	LW	LIGHTWEIGHT	OJ	OPEN-WEB JOIST	RWC	RAINWATER CONDUCTOR	SF	SQUARE FEET	VRM	VERMICULITE
ACFL	ACCESS FLOOR	CI	CAST IRON	DISP	DISPENSER	FF	FINISH FLOOR	HH	HAND HOLE	LWC	LIGHTWEIGHT CONCRETE	OFF	OFFICE	REF	REFERENCE	SS	STAINLESS STEEL	VERT	VERTICAL
AP	ACCESS PANEL	CST	CAST STONE	DIV	DIVISION	FG	FINISH GRADE	HBD	HARDBOARD	LMS	LIMESTONE	OPP	OPPOSITE	RFL	REFLECT (ED), (IVE), (OR)	STD	STANDARD	VG	VERTICAL GRAIN
ACPL	ACOUSTICAL PLASTER	CB	CATCH BASIN	DR	DOOR	FO	FACE OF	HDWR	HARDWARE	LTL	LINTEL	OPH	OPPOSITE HAND	REFR	REFRIGERATOR	STA	STATION	VEST	VESTIBULE
ACT	ACOUSTICAL TILE	CLG	CEILING	DBL	DOUBLE	FBRK	FIRE BRICK	HWD	HARDWOOD	LL	LIVE LOAD	OPS	OPPOSITE SURFACE	REG	REGISTER	STL	STEEL	VIN	VINYL
ACR	ACRYLIC PLASTIC	CH	CEILING HEIGHT	DA	DOUBLE ACTING	FE	FIRE EXTINGUISHER	HDR	HEADER	LVR	LOUVER	OZ	OUNCE	REINF	REINFORCED	STOR	STORAGE	VCT	VINYL COMPOSITION TILE
ADD	ADDENDUM	CEM	CEMENT	DTA	DOVETAIL ANCHOR	FEC	FIRE EXTINGUISHER CABINET	HJT	HEAD JOINT	LPT	LOW POINT	OD	OUTSIDE DIAMETER	RCP	REINFORCED CONCRETE PIPE	SD	STORM DRAIN	VB	VINYL BASE
ADJ	ADJACENT	(P) CPL	CEMENT PLASTER (PORTLAND)	DTS	DOVETAIL SLOT	FHC	FIRE HOSE CABINET	HTG	HEATING			OHMS	OVAL HEAD MACHINE SCREW	REM	REMOVE	STR	STRUCTURAL	VF	VINYL FABRIC
ADJ	ADJUSTABLE	℄	CENTERLINE	DN	DOWN	FHS	FIRE HOSE STATION	HVAC	HEATING VENTILATING &	MB	MACHINE BOLT	OHWS	OVAL HEAD WOOD SCREW	REQ	REQUIRED	SA	SUPPLY AIR	VT	VINYL TILE
AGGR	AGGREGATE	CM	CENTIMETER	DS	DOWNSPOUT	FH	FIRE HYDRANT		AIR CONDITIONING	MI	MALLEABLE IRON	O/	OVER	RESIL	RESILIENT	SUSP	SUSPENDED		
A/C	AIR CONDITIONING	CER	CERAMIC	DRBD	DRAIN BOARD	FPL	FIREPLACE	HD	HEAVY DUTY	MH	MANHOLE	OA	OVERALL	RET	RETAINING	SYM	SYMMETRY /	WSCT	WAINSCOT
ALT	ALTERNATE	CMT	CERAMIC MOSAIC TILE	DT	DRAIN TILE	FP	FIREPROOF	HT	HEIGHT	MFR	MANUFACTURE (R)	OH	OVERHEAD	R/A	RETURN AIR		SYMMETRICAL	WTW	WALL TO WALL
ALUM	ALUMINUM	CT	CERAMIC TILE	DWR	DRAWER	FRC	FIRE-RESISTANT COATING	HX	HEXAGONAL	MRB	MARBLE	ORD	OVERFLOW ROOF DRAIN	RVS	REVERSE (SIDE)	SYN	SYNTHETIC	WH	WALL HUNG
ANC	ANCHOR (AGE)	CKBD	CHALKBOARD	DWG	DRAWING	FRT	FIRE-RETARDANT	H	HIGH	MAS	MASONRY			REV	REVISION (S) / REVISED	SYS	SYSTEM	WR	WASTE RECEPTACLE
AB	ANCHOR BOLT	CHAM	CHAMFER	DF	DRINKING FOUNTAIN /	FIXT	FIXTURE	HES	HIGH EARLY - STRENGTH CEMENT	MO	MASONRY OPENING	PNT	PAINT (ED)	RH	RIGHT HAND			WC	WATER CLOSET
<	ANGLE	[	CHANNEL		DOUGLAS FIR	FLASH	FLASHING	HC	HOLLOW CORE	MAT	MATERIAL (S)	PR	PAIR	ROW	RIGHT OF WAY	TKBD	TACKBOARD	WH	WATER HEATER
ANOD	ANODIZED	CR	CHROMIUM (PLATED)	DW	DUMBWAITER	FB	FLAT BAR	HM	HOLLOW METAL	MAX	MAXIMUM	PNL	PANEL	R	RISER	TKS	TACKSTRIP	WP	WATERPROOF (ING)
APPROX	APPROXIMATE	CIR	CIRCLE			FHMS	FLATHEAD MACHINE SCREW	HK	HOOK	MECH	MECHANIC (AL)	PB	PANIC BAR	RVT	RIVET	TEL	TELEPHONE	W/R	WATER RESISTANT
ARCH	ARCHITECT (URAL)	CIRC	CIRCUMFERENCE	EA	EACH	FHWS	FLATHEAD WOOD SCREW	HOR	HORIZONTAL	MC	MEDICINE CABINET	PTD	PAPER TOWEL DISPENSER	RD	ROOF DRAIN	TV	TELEVISION	WS	WATER STOP or WOOD STUD
AD	AREA DRAIN	CO	CLEAN OUT	E.W.	EACH WAY	FLEX	FLEXIBLE	HB	HOSE BIB	MED	MEDIUM	PTR	PAPER TOWEL RECEPTOR	RFH	ROOF HATCH	TC	TERRA COTTA	WT	WEIGHT
ASB	ASBESTOS	CLR	CLEAR	E	EAST	FLR	FLOOR (ING)	HR	HOUR	MBR	MEMBER	PAR	PARALLEL	RFG	ROOFING	TZ	TERRAZZO	WWF	WELDED WIRE FABRIC
ASPH	ASPHALT	CLO	CLOSET	EIFS	EXTERIOR INSULATION	FLCO	FLOOR CLEAN OUT	HWH	HOT WATER HEATER	MMB	MEMBRANE	PKG	PARKING	RM	ROOM	THK	THICK (NESS)	W	WEST / WOMEN / WIDE
AC	ASPHALT CONCRETE	CLS	CLOSURE		FINISH SYSTEM	FD	FLOOR DRAIN			MTL	METAL	PBD	PARTICLE BOARD	RO	ROUGH OPENING	THR	THRESHOLD	WFB	WIDE FLANGE BEAM
AT	ASPHALT TILE	COL	COLUMN	ELEC	ELECTRIC (AL)	FPL	FLOOR PLATE	INCIN	INCINERATOR	MFD	METAL FLOOR DECKING	PTN	PARTITION	RG	ROUGH GRADE	TBD	TO BE DETERMINED	WDW	WINDOW
ASSY	ASSEMBLY	COMB	COMBINATION	EWC	ELECTRIC WATER COOLER	FL	FLOW LINE	INCLUDE	INCLUDE (D), (ING)	MTFR	METAL FURRING	PV	PAVE (D), (ING)	RHMS	ROUND HEAD MACHINE SCREW	TPTN	TOILET PARTITION	WG	WIRED GLASS
@	AT	COMM	COMMUNICATION	EP	ELECTRICAL PANELBOARD	FLUOR	FLUORESCENT	ID	INSIDE DIAMETER	MRD	METAL ROOF DECKING	PVMT	PAVEMENT	RHWS	ROUND HEAD WOOD SCREW	TOL	TOLERANCE	W/	WITH
A.V.	AUDIO VISUAL (CABINET)	COMPT	COMPARTMENT	ELEV	ELEVATOR / ELEVATION	FJT	FLUSH JOINT	INSC	INSULATING CONCRETE	MTHR	METAL THRESHOLD	PED	PEDESTAL	RB	RUBBER BASE	T&G	TONGUE AND GROOVE	W/O	WITHOUT
AUTO	AUTOMATIC	COMPO	COMPOSITION / COMPOSITE	EMER	EMERGENCY	FT	FOOT OR FEET	INSF	INSULATING FILL	M	METER (S)	PERF	PERFORATE (D)	RBT	RUBBER TILE	T&B	TOP AND BOTTOM		WOOD
		COMP	COMPRESS (ED), (ION), (ABLE)	ENCL	ENCLOSE (URE)	FTG	FOOTING	INSUL	INSULATION	MM	MILLIMETER	PERIM	PERIMETER	RBL	RUBBLE STONE	T.O	TOP OF	WD	WOOD BASE
BP	BACK PLASTER (ED)	CONC	CONCRETE	EQ	EQUAL	FRG	FORGED	INT	INTERIOR	MWK	MILLWORK	⊥	PERPENDICULAR			TCB	TOP OF CATCH BASIN	WB	WORKING POINT
BSMT	BASEMENT	CMU	CONCRETE MASONRY UNIT	EQUIP	EQUIPMENT	FND	FOUNDATION	INK	INTERLOCK	MIN	MINIMUM	PLAS	PLASTIC	SFGL	SAFETY GLASS	TC	TOP OF CURB	WPT	WROUGHT IRON
BM	BEAM	CONN	CONNECTION	ESC	ESCALATOR	FR	FRAME (D), (ING)	INTM	INTERMEDIATE	MIR	MIRROR	PLAM	PLASTIC LAMINATE	SCH	SCHEDULE	TG	TOP OF GRADE	WI	WOODWORK INSTITUTE
BRG	BEARING	CONST	CONSTRUCTION	EST	ESTIMATE	FRA	FRESH AIR	INV	INVERT	MOD	MODULAR	PL	PLATE	SCN	SCREEN	TP	TOP OF PARAPET		
BPL	BEARING PLATE	CONT	CONTINUOUS/CONTINUE	EXCA	EXCAVATE	FS	FULL SIZE	IE	INVERT ELEVATION	MLD	MOLDING, MOULDING	PG	PLATE GLASS	SNT	SEALANT		FRAMING		
BJT	BED JOINT	CONTR	CONTRACT (OR)	EXH	EXHAUST	FBO	FURNISHED BY OTHERS	IPS	IRON PIPE SIZE	MR	MAP RAIL	PLYWD	PLYWOOD	SCD	SEAT COVER DISPENSER	TPB	TOP OF PROTECTION		
BEL	BELOW	CLL	CONTRACT LIMIT LINE	(E)	EXISTING	FURR	FURRING			MT	MOUNT (ED), (ING)	POC	POINT OF CONNECTION	STG	SEATING		BOARD		
BET	BETWEEN	CJ	CONTROL JOINT	EXMP	EXPANDED METAL PLATE	FUT	FUTURE	JAN	JANITOR	MULL	MULLION	PVC	POLYVINYL CHLORIDE	SND	SANITARY NAPKIN DISPENSER	TOR	TOP OF ROOF		
BVL	BEVELED	CPR	COPPER	EXP	EXPANSION			JC	JANITOR'S CLOSET			PE	PORCELAIN ENAMEL	SNR	SANITARY NAPKIN RECEPTOR	TS	TOP OF STEEL		
BITUM	BITUMINOUS	CG	CORNER GUARD	EXBLT	EXPANSION BOLT	GA	GAGE / GAUGE	JF	JOINT FILLER	NRCA	NATIONAL ROOFING		POUND(S) OR NUMBER	SSK	SERVICE SINK	TOW	TOP OF WALL		
BLK'G	BLOCKING	CORR	CORRUGATED	EXPAN. JT.	EXPANSION JOINT	GALV	GALVANIZED	J	JOIST		CONTRACTORS ASSN.	PCF	POUNDS PER CUBIC FOOT	SHTG	SHEATHING	TB	TOWEL BAR		
BD	BOARD	CFL	COUNTER FLASHING	EXPO	EXPOSED	GP	GALVANIZED PIPE			NL	NAIL	PSF	POUNDS PER SQUARE FOOT	SHT	SHEET	TR	TRANSOM		
BS	BOTH SIDES	CTSK	COUNTER SINK	EXT	EXTERIOR	GASKET	GASKET	KCPL	KEENE'S CEMENT PLASTER	NAT	NATURAL	PRCST	PRE-CAST	SG	SHEET GLASS	T	TREAD		
BW	BOTH WAYS	CRG	CROSS GRAIN	EXS	EXTRA STRONG	GC	GENERAL CONTRACT (OR)	KPL	KICKPLATE	(N)	NEW	PCC	PRE-CAST CONCRETE	SMS	SHEET METAL SCREW	TS	TUBULAR STEEL		
BTM	BOTTOM	CFT	CUBIC FOOT	E.W.S.	EYE WASH/SAFETY SHOWER	GLB	GLASS BLOCK	KD	KILN DRIED	NIC	NICKEL	PFB	PRE-FABRICATE (D)	SH	SHELF / SHELVING	TYP	TYPICAL		
BN	BOUNDARY NAILING	CYD	CUBIC YARD		COMBO	GCMU	GLAZED CONCRETE	KIT	KITCHEN	N	NORTH	PFN	PRE-FINISHED	SHO	SHORE (D), (ING)				
BRK	BRICK	CW	CURTAIN WALL				MASONRY UNITS	KO	KNOCKOUT	NR	NOISE REDUCTION	PRF	PREFORM (ED)	SHWR	SHOWER	UC	UNDERCUT		
BRZ	BRONZE			FOB	FACE OF BRICK	GST	GLAZED STRUCTURAL TILE			NMT	NON METALLIC	PREP	PREPARATION	SIM	SIMILAR	UNF	UNFINISHED		
BLDG	BUILDING	DPR	DAMPER	FOC	FACE OF CONCRETE	GB	GRAB BAR	LBL	LABEL	NIC	NOT IN CONTRACT	PTDF	PRESSURE TREATED DOUGLAS FIR	SKL	SKYLIGHT	UON	UNLESS OTHERWISE		
BUR	BUILT UP ROOFING	DP	DAMPPROOFING	FOCMU	FACE OF CONCRETE	GD	GRADE	LAB	LABORATORY	NOM	NOMINAL	PSC	PRESTRESSED CONCRETE	SL	SLIDING		NOTED		
BBD	BULLETIN BOARD	DL	DEAD LOAD		MASONRY UNIT	GRN	GRANITE	LAD	LADDER	NTS	NOT TO SCALE	PL	PROPERTY LINE	SPD	SOAP DISPENSER	UNO	UNLESS NOTED		
		D	DEEP	FOF	FACE OF FINISH	GVL	GRAVEL	LB	LAG BOLT	#	NUMBER / POUND(S)	PTD/R	PTD & PTR COMBINATION	SC	SOLID CORE		OTHERWISE		
CAB	CABINET	DEM	DEMOLISH / DEMOLITION	FOM	FACE OF MASONRY	GND	GROUND	LAM	LAMINATE (D)					SP	SOUND PROOF	UR	URINAL		
CAD	CADMIUM	DMT	DEMOUNTABLE	FOS	FACE OF STUD	GF	GROUND FACE	LAV	LAVATORY	OBS	OBSCURE	QT	QUARRY TILE	S	SOUTH				
CALCS	CALCULATIONS	DEP	DEPRESSED	FAS	FASTEN (ER)	GT	GROUT	LH	LEFT HAND	OC	ON CENTER (S)	QTR	QUARTER	SPC	SPACER	VJ	V-JOINT (ED)		
CK	CALK (ING) / CAULK (ING)	DEPT	DEPARTMENT	FN	FENCE	GYP	GYPSUM	L	LENGTH/LONG	OFCI	OWNER FURNISHED, CONTACTOR INSTALLED	RBT	RABBET, REBATE	SPK	SPEAKER	VB	VAPOR BARRIER		
		DTL	DETAIL	FBD	FIBERBOARD	GPDW	GYPSUM DRYWALL	LT	LIGHT					SPL	SPECIAL	VAR	VARNISH		

VICINITY MAP



SCOPE OF WORK

(E) AIRPORT TERMINAL BUILDING INTERIOR REMODEL INTO INSTRUCTIONAL SPACES INCLUDING CLASSROOM AND VOCATIONAL SHOPS.

GENERAL NOTES

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL ALL TEMPORARY BRACING, SHORING, SAFETY BARRIERS, COVERS, AND ANY OTHER SAFETY PRECAUTION REQUIRED TO PROTECT THE WORK AND THE PUBLIC UNTIL IT IS IN ITS COMPLETED FORM.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND COORDINATING ALL DIMENSIONS.

IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INSURE THAT ALL APPLICABLE SAFETY LAWS ARE STRICTLY ENFORCED AND TO MAINTAIN A SAFE CONSTRUCTION PROJECT.

ANY DAMAGE DONE TO THE EXISTING CONSTRUCTION DURING THE COURSE OF THIS WORK SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE WITH NO ADDITIONAL COST TO THE OWNER.

(E) INDICATES EXISTING CONSTRUCTION (N) INDICATES NEW CONSTRUCTION

ALL NEW WORK SHALL MATCH EXISTING IN KEEPING WITH GOOD CONSTRUCTION PRACTICE. IT IS THE INTENT OF THESE DOCUMENTS THAT THE PORTION OF THE SURFACE WHICH HAS BEEN INSTALLED, REPAIRED OR REPLACED, SHALL MATCH THE EXISTING ADJACENT SURFACES, AND THAT THE NEW WORK WILL NOT BE DISCERNIBLE FROM THE EXISTING.

BEFORE DIGGING, THE CONTRACTOR WILL BE REQUIRED TO MARK AND LOCATE ALL UTILITIES THAT ARE AFFECTED BY THE WORK. THIS INCLUDES WATER, SEWER, STORM DRAIN, GAS, ELECTRICAL POWER, AND VOICE/DATA COMMUNICATIONS. THE INFORMATION SHOWN HAS BEEN COMPILED FROM AVAILABLE DRAWING INFORMATION BUT IS NOT GUARANTEED TO BE ACCURATE.

MAINTAIN EXISTING, RELOCATE, OR PROVIDE NEW ACCESS AS REQUIRED FOR ALL CLEANOUTS, JUNCTION BOXES, ACCESS OPENINGS, ETC.

ALL WORK SHALL CONFORM TO TITLE 24 CALIFORNIA CODE OF REGULATIONS AND C.B.C., 2013 EDITION

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL SITE CONDITIONS AGAINST WHAT IS SHOWN ON THE DRAWINGS. ANY ITEMS UNINTENTIONALLY OMITTED FROM THE DRAWINGS DO NOT ALLEVIATE THE CONTRACTOR FROM PERFORMING HIS WORK TO COMPLETION IN COMPLIANCE TO THE CONTRACT.

COORDINATE SHUT DOWN OF UTILITIES WITH SCHOOL MAINTENANCE & OPERATIONS MINIMUM OF SEVEN DAYS PRIOR TO SHUTDOWN.

CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE

A "DSA" CERTIFIED INSPECTOR WITH CLASS (1) CERTIFICATION IS REQUIRED FOR THIS PROJECT.

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

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

APPLICABLE CODES

APPLICABLE STATE CODES AS OF JANUARY 1, 2014:

2013 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, CBSC
2013 CALIFORNIA BUILDING CODE (CBC), PART 2, CBSC
(2012 INTERNATIONAL BUILDING CODE & CALIFORNIA AMENDMENTS)
2013 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, CBSC
(2011 NATIONAL ELECTRICAL CODE & CALIFORNIA AMENDMENTS)
2013 CALIFORNIA MECHANICAL CODE (CMC), PART 4, CBSC
(2012 UNIFORM MECHANICAL CODE & CALIFORNIA AMENDMENTS)
2013 CALIFORNIA PLUMBING CODE (CPC), PART 5, CBSC
(2012 UNIFORM PLUMBING CODE & CALIFORNIA AMENDMENTS)
2013 CALIFORNIA ENERGY CODE, PART 6, CBSC
2013 CALIFORNIA FIRE CODE (CFC), PART 9, CBSC
(2012 INTERNATIONAL FIRE CODE & CALIFORNIA AMENDMENTS)
2013 CALIFORNICA GREEN BUILDING STANDARDS CODE, PART 11, CBSC
2013 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, CBSC
TITLE 8 CCR, CHAPTER 4, SUB-CHAPTER 6 - ELEVATOR SAFETY ORDERS
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL (SFM) REGULATIONS

LIST OF FEDERAL CODES AND STANDARDS:

AMERICANS WITH DISABILITIES ACT (ADA), TITLE III
ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)

PARTIAL LIST OF APPLICABLE REFERENCED STANDARDS:

NFPA 13 AUTOMATIC SPRINKLER SYSTEMS, 2013 EDITION
NFPA 14 STANDPIPES SYSTEMS, 2013 EDITION
NFPA 17A WET CHEMICAL SYSTEMS, 2013 EDITION
NFPA 24 PRIVATE FIRE MAINS, 2013 EDITION - PART OF NFPA 13 CHAPTER 5
NFPA 72 NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED), 2012 EDITION
(SEE UL STANDARD 1971 FOR "VISUAL DEVICES")
NFPA 253 CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS, 2012 EDITION
NFPA 2001 CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2012 EDITION
REFERENCE CODE SECTION FOR NFPA STANDARDS - CBC (SFM) CHAPTER 35
ASME A17.1-2004
ASME A18.1-2003
BHMA A156.10-1999 AMERICAN NATIONAL STANDARD FOR POWER OPERATED PEDESTRIAN DOORS

NATIONAL REFERENCE STANDARDS:

ASD (AISC) MANUAL OF STEEL CONSTRUCTION, 13TH EDITION
ACI-318-05 CODE & COMMENTARY

2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.
ACI-318-05 CODE & COMMENTARY

STATE BUILDING CODE
(PART 1, TITLE 24, CCR)

"THE INTENT OF THESE DRAWINGS AND SPECIFICATION IS THAT ALL WORK IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS BE DISCOVERED WHICH ARE NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA) BEFORE PROCEEDING WITH THE WORK."

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

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

SYMBOL LEGEND

ROOM NAME & NUMBER — OFFICE 101
KEY NOTE — 10
GRID LINE SYMBOL — 1
WALL CONSTRUCTION TYPE (SEE SHT. Axxx) — E-08
DOOR SYMBOL — 101
WINDOW SYMBOL — 101
SIGNAGE TAG (FOR SIGNS NOT LOCATED AT DOORS) — SXX
DETAIL SYMBOL — 7 / A8.1
INTERIOR ELEVATIONS — A ELEVATION NO.; 2 DRAWING NO.; A5.0 SHEET NO.; B, C, D
SECTION CUT SYMBOL — 7 DRAWING NO. / A8.1 SHEET NO.
DETAIL CUT SYMBOL — 7 / A8.1
EXTERIOR ELEVATION — 7 / A8.1
PROJECT REFERENCE NORTH — N

WORK CONTROL/DATUM
DIMENSION LINES — 6'-6"; 8'-0"
DIMENSION TO GRIDLINE OR LAYOUT POINT — 6'-0"
MATCH LINE — SHADE INDICATES ACTIVE SIDE OF PLAN
BREAK LINE
CENTER LINE
REVISION MARK — #1 REVISION NO.; AREA OF REVISION
WI (WOODWORK INSTITUTE OF CALIFORNIA) DESIGN SERIES NUMBERING SYSTEM CODE — 100; 100M M=MODIFIED
COLOR / FINISH CODE, SEE FINISH SCHEDULE — PL1
ACCESSIBLE WHEELCHAIR SPACE, 30" W x 48"D CLR FLR SPACE w/ 27"H CLR KNEE SPACE & MIN 34"H MAX TO TOP OF TABLE/COUNTER/FIXTURE
60" Ø CLEAR WHEELCHAIR TURNING CIRCLE

PROJECT TEAM

ARCHITECT
KRUGER BENSEN ZIEMER ARCHITECTS, INC.
30 WEST ARRELLAGA STREET, SANTA BARBARA, CA 93101
TEL: (805) 963-1726 FAX: (805) 963-2951

Principal in Charge : Steve Dowty, AIA / steved@kbzarch.com

STRUCTURAL ENGINEER
KANDA TSO & ASSOCIATES
511 MISSION STREET, SOUTH PASADENA, CA 91030
TEL: (626) 441-1211 FAX: (626) 441-1011

Structural Engineer : Les Tso / lestso@kandatso.com

MECHANICAL/PLUMBING ENGINEER
dHA + CALPEC
150 S. ARROYO PARKWAY, Suite 100, PASADENA, CA 91105
TEL: (626) 445-8580 FAX: (626) 445-8081

Mechanical Engineer : Kevin Chen / kchen@dhacalpec.com

ELECTRICAL ENGINEER
dHA + CALPEC
150 S. ARROYO PARKWAY, SUITE 100, PASADENA, CA 91105
TEL: (626) 445-8580 FAX: (626) 445-8081

Electrical Engineer : Andrew Injo / dhacalpec.com

SHEET INDEX (21 Total Sheets)

ANTELOPE VALLEY COMMUNITY COLLEGE DISTRICT
ANTELOPE VALLEY COLLEGE
3041OO 20TH ST E. PALMDALE,CA 93550

PALMDALE AIRPORT
TERMINAL REMODEL

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30 W. ARRELLAGA STREET SANTA BARBARA CA 93101
TELEPHONE (805) 963-1726 FAX (805) 963-2951

STEVE DOWTY, AIA
PRINCIPAL-IN-CHARGE

SHANNON BLOMST
PROJECT MANAGER

ARCHITECTS STAMP & SIGNATURE

ENGINEERS STAMP & SIGNATURE

LICENSED ARCHITECT STEVEN E. DOWTY No. C-11153 Ren. 11/17 STATE OF CALIFORNIA

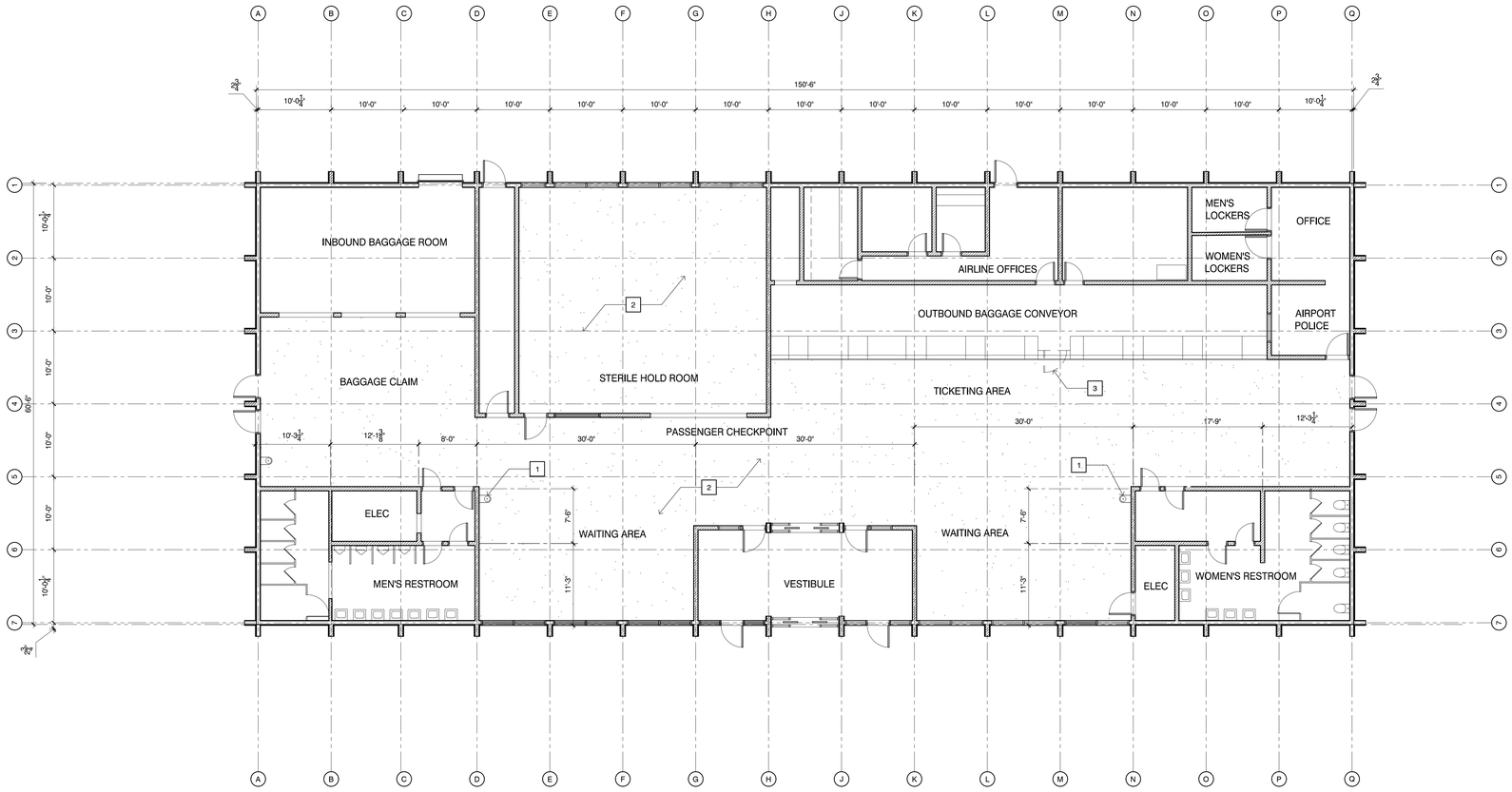
CONSULTANT INFORMATION

REVISION	DESCRIPTION	DATE	BY
5			
4			
3			
2			
1			

DRAWN SB
CHECKED SD
DATE 11/11/2016
JOB. NO. 16018

SHEET TITLE SHEET
TITLE ANTELOPE VALLEY COLLEGE PALMDALE AIRPORT TERMINAL REMODEL

SHEET G-001



1 DEMO FLOOR PLAN

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

DEMO FLOOR PLAN KEYNOTES

1. (E) DRINKING FOUNTAIN TO REMAIN
2. (E) CARPET TO REMAIN
3. REMOVE (E) GATE AND SIDE PANELS

ANTELOPE VALLEY COMMUNITY COLLEGE DISTRICT
ANTELOPE VALLEY COLLEGE
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PALMDALE AIRPORT TERMINAL REMODEL

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ENGINEERS STAMP & SIGNATURE

LICENSED ARCHITECT
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Ren. 11/17
STATE OF CALIFORNIA

CONSULTANT INFORMATION

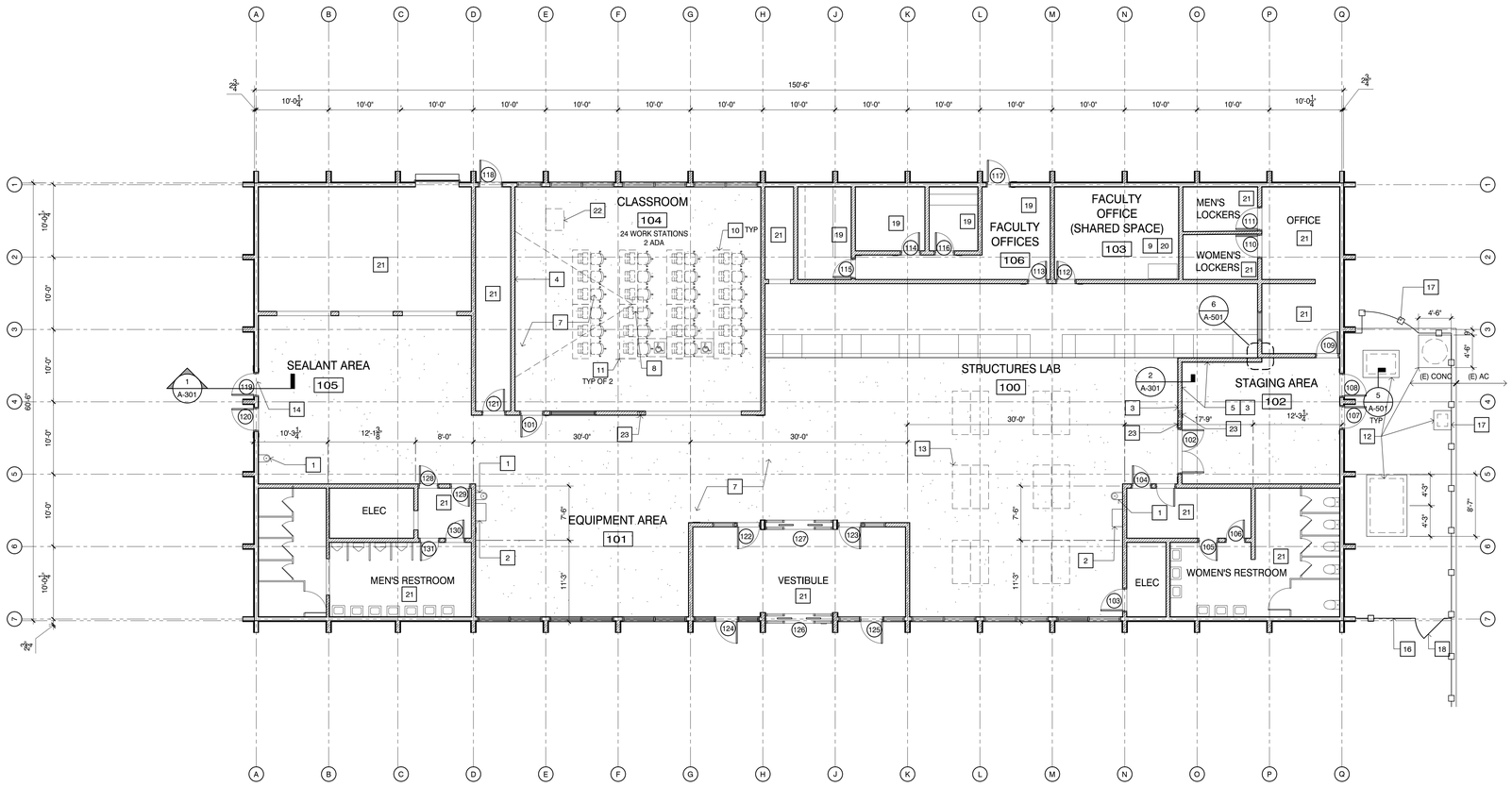
REVISION	DESCRIPTION	DATE	BY
5	-	-/-/-	XX
4	-	-/-/-	XX
3	-	-/-/-	XX
2	-	-/-/-	XX
1	-	-/-/-	XX

DRAWN SB
CHECKED SD
DATE 11/11/2016
JOB. NO. 16018

SHEET TITLE DEMO FLOOR PLAN
ANTELOPE VALLEY COLLEGE
PALMDALE AIRPORT TERMINAL REMODEL

SHEET

AD-101



1 FLOOR PLAN

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

FLOOR PLAN KEYNOTES

1	(E) DRINKING FOUNTAIN TO REMAIN
2	EYE WASH STATION
3	PAINT (N) WALL
4	PAINT (E) WALL
5	2x6 WOOD STUDS @ 16" OC w/ GYP BRD BOTH SIDES & (N) HM DOOR
6	NOT USED
7	(E) CARPET TO REMAIN
8	(N) CEILING MOUNT PROJECTOR (8 / A-501)
9	NOT USED
10	30" x 90" SINGLE SIDED COMPUTER TABLE, TYP (NIC)
11	30" x 36" ADA HEIGHT ADJUSTABLE SINGLE SIDED COMPUTER TABLE, TYP (NIC)
12	EQUIPMENT PAD/CONC CURB, TYP, SEE PLUMBING FOR ADDITIONAL INFORMATION
13	WORK BENCH, TYP (NIC)
14	(N) EXHAUST FAN ABOVE (E) DOOR @ (E) TRANSOM
15	NOT USED
16	(N) 6'-0" H CL FENCE
17	(E) CL FENCE
18	(N) 4'-0" W CL GATE w/ HASP & PADLOCK
19	(E) OFFICES TO BE RE-USED AS FACULTY OFFICES
20	(E) RM TO BE USED AS FACULTY SHARED SPACE
21	SPACE/ROOM NOT IN SCOPE OF PROJECT
22	INSTRUCTORS STATION (NIC)
23	FIRE EXTINGUISHER IN RECESSED CABINET +48" AFF TO TOP (10 / A-501)

ANTELOPE VALLEY COMMUNITY COLLEGE DISTRICT
ANTELOPE VALLEY COLLEGE
41000 20TH ST E. PALMDALE CA 93550

PALMDALE AIRPORT TERMINAL REMODEL

KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA
30 W. ARRELLAGA STREET SANTA BARBARA CA 93101
TELEPHONE (805) 963-1726 FAX (805) 963-2951

STEVE DOWTY, AIA
PRINCIPAL-IN-CHARGE

SHANNON BLOMST
PROJECT MANAGER

ARCHITECT'S STAMP & SIGNATURE

ENGINEER'S STAMP & SIGNATURE

LICENSED ARCHITECT
STEVEN E. DOWTY
No. C-11153
Ren. 11/17
STATE OF CALIFORNIA

CONSULTANT INFORMATION

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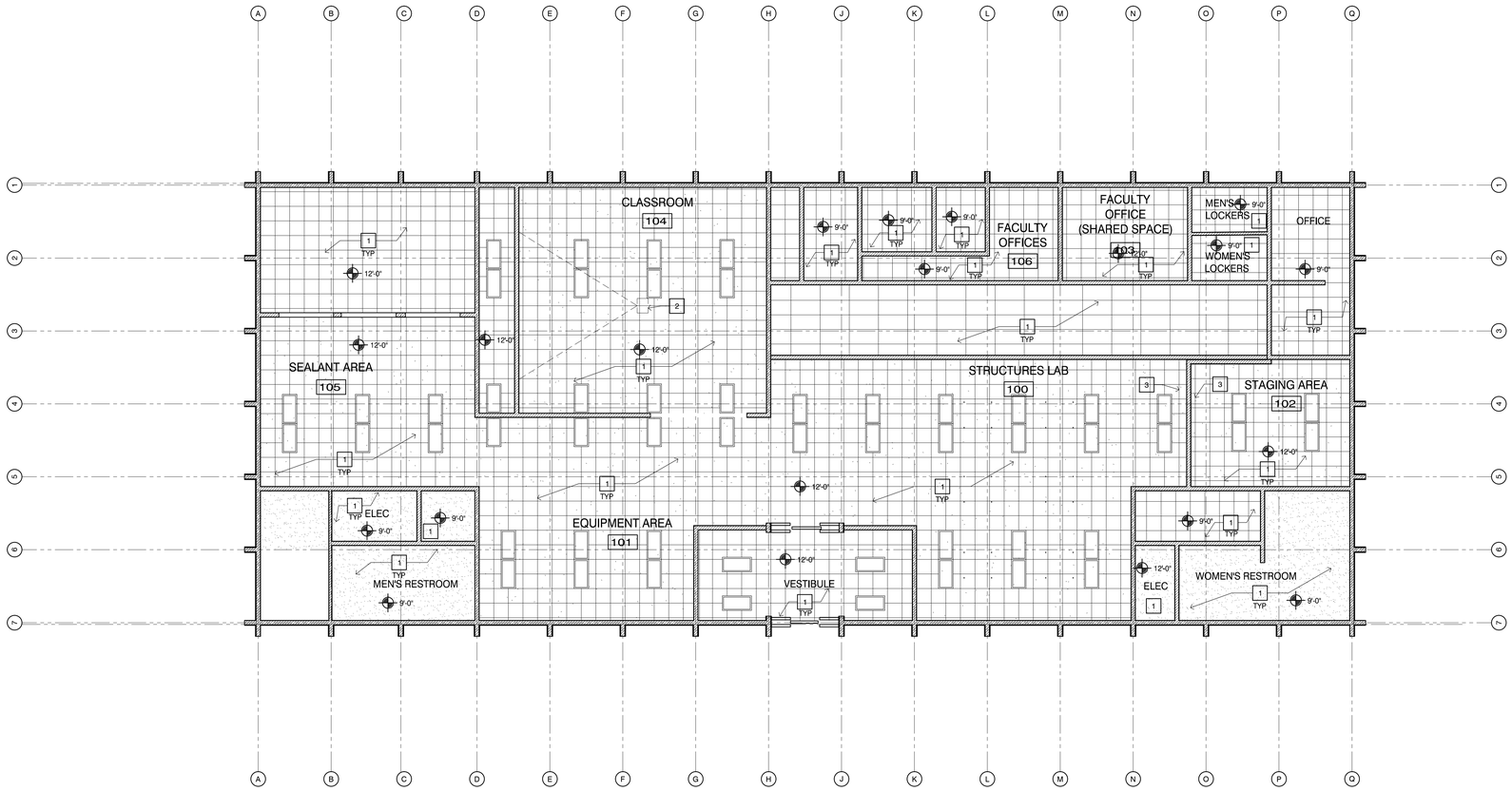
SHEET TITLE: FLOOR PLAN
ANTELOPE VALLEY COLLEGE
PALMDALE AIRPORT TERMINAL REMODEL

SHEET

A-101



1 REFLECTED CEILING PLAN

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

REFLECTED CEILING PLAN KEYNOTES

1. (E) CEILING TO REMAIN
2. (N) CEILING MOUNT PROJECTOR (B / A-501)
3. PATCH IN w/ (N) CLG @ (N) WALL, TO MATCH (E) CLG

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Ren. 11/17
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ENGINEERS STAMP & SIGNATURE

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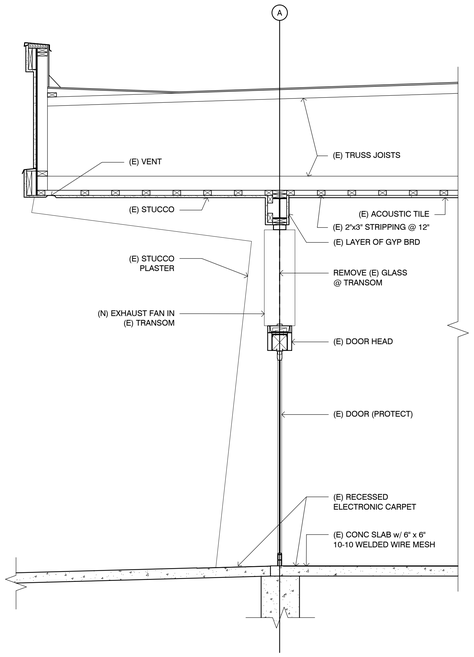
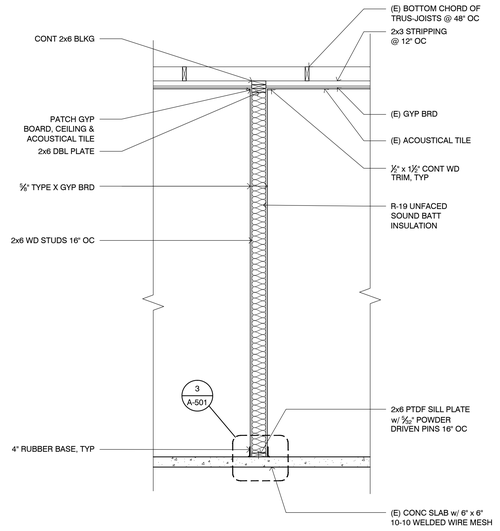
SHEET TITLE REFLECTED CEILING PLAN
ANTELOPE VALLEY COLLEGE
PALMDALE AIRPORT TERMINAL REMODEL

SHEET

A-102



1 Partial Section @ (N) Exhaust Fan
SCALE : 1/2" = 1'-0"



2 Wall Section @ (N) Wall Infill
SCALE : 1/2" = 1'-0"

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ENGINEER'S STAMP & SIGNATURE

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SHEET TITLE SECTIONS
ANTELOPE VALLEY COLLEGE
PALMDALE AIRPORT TERMINAL REMODEL

SHEET
A-301

DOOR, FRAME AND SIGNAGE MESSAGE SCHEDULE

DOOR NUMBER	DOOR OPENING		DOOR					CUTOUTS		HDWR GROUP	ASS'Y FIRE RATING	FRAME				DETAILS				DOOR REMARKS	SIGNAGE INFO: SIGN TYPE/ SEE DETAIL SIDE OF DOOR		DESCRIPTION		MESSAGE		SIGNAGE REMARKS
	WIDTH	HEIGHT	TYPE	MAT'L	THICK	FIN	COLOR	LITE	LVR			TYPE	MAT'L	FIN	COLOR	HEAD	JAMB		SILL		PULL SIDE	PUSH SIDE	PULL SIDE	PUSH SIDE	PULL SIDE	PUSH SIDE	
101	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-	2	S2	-	3	-	CLASSROOM 104	-	-
102	6'-0"	7'-0"	B	HM	1 3/4"	FN5	P2			-		1	HM	FF		1 A-501	1-SIM A-501	1 SIM A-501	2 A-501	3	-	S2	-	3	STAGING AREA 102	-	-
103	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		—	—	—	—		-	-	-	-	-	-	-
104	2'-6"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	-	-	-	-	-	-
105	2'-6"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	-	-	-	-	-	-
106	2'-6"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		—	—	—	—		-	-	-	-	-	-	-
107	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	S7	-	3	AUTHORIZED PERSONNEL ONLY	-	-
108	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	S7	-	3	AUTHORIZED PERSONNEL ONLY	-	-
109	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		—	—	—	—		-	-	-	-	-	-	-
110	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	-	-	-	-	-	-
111	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	-	-	-	-	-	-
112	2'-6"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		—	—	—	—		-	S2	-	3	-	FACULTY OFFICE 103	-
113	2'-6"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	S2	-	3		FACULTY OFFICES 106	-
114	2'-6"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	S2	-	3	-	FACULTY OFFICE 106A	-
115	2'-6"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	S2	-	3	-	FACULTY OFFICE 106B	-
116	2'-6"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	S2	-	3	-	FACULTY OFFICE 106C	-
117	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		S2	S1	2	3	FACULTY OFFICES 106	EXIT	1
118	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		—	—	—	—		-	-	-	-	-	-	-
119	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-	1	S2	S1	2	3	SEALANT AREA 105	EXIT	-
120	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		S2	S1	2	3	SEALANT AREA 105	EXIT	-
121	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	-	-	-	-	-	-
122	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	-	-	-	-	-	-
123	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	-	-	-	-	-	-
124	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		—	—	—	—		-	-	-	-	-	-	-
125	3'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	-	-	-	-	-	-
126	4'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		S2	-	2	-	AVC INDUSTRIAL TECH	-	-
127	4'-0"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		—	—	—	—		-	-	-	-	-	-	-
128	2'-6"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	-	-	-	-	-	-
129	2'-6"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	-	-	-	-	-	-
130	2'-6"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		—	—	—	—		-	-	-	-	-	-	-
131	2'-6"	7'-0"	(E)	(E) HM	1 3/4"	(E)	(E)			(E)		(E)	(E) HM	(E)		-	-	-	-		-	-	-	-	-	-	-

DOOR & WINDOW SCHEDULE KEYNOTES

1. REPLACE TRANSOM GLASS w/ (N) EXHAUST FAN ABOVE DOOR, PER MECH
2. (E) MTL THRESHOLD TO REMAIN
3. (N) MTL THRESHOLD TO MATCH (E)
4. PAINTED PLYWOOD PANEL IN ALUM FRAME
5. EXHAUST GRILLE, SEE MECH
6. (E) DOOR & TRANSOM, TYP

SIGNAGE KEYNOTES

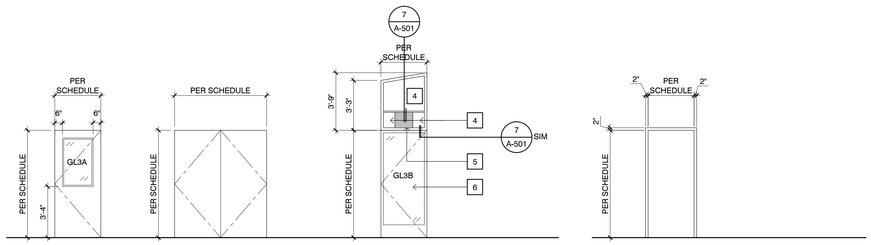
1. MOUNT SIGNS ON GLASS BACK-TO-BACK
2. EXTERIOR PANEL SIGN
3. INTERIOR PANEL SIGN

GLAZING TYPES

GL1B	DUAL (INSULATED) FLOAT GLASS (CLEAR)- 1" THICK
GL3A	SINGLE SAFETY GLASS (CLEAR) - ¼" THICK
GL3B	DUAL (INSULATED) SAFETY GLASS (CLEAR)
GL9D	OPAQUE SAFETY GLASS INFILL PANEL - ¼" THICK

ABBREVIATIONS

ALUM	ALUMINUM
FF	FACTORY FINISH
HM	HOLLOW METAL
MFR	PER MANUFACTURER
PT	PAINTED



A HM DOOR | B HM DOOR | B HM DOOR | 1 HM FRAME

DOOR TYPES

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

FRAME TYPES

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

PANEL SIGNAGE MESSAGE SCHEDULE

(FOR SIGNAGE NOT ASSOCIATED WITH A DOOR: LOCATION PER ADJACENT SIGNAGE PLAN)

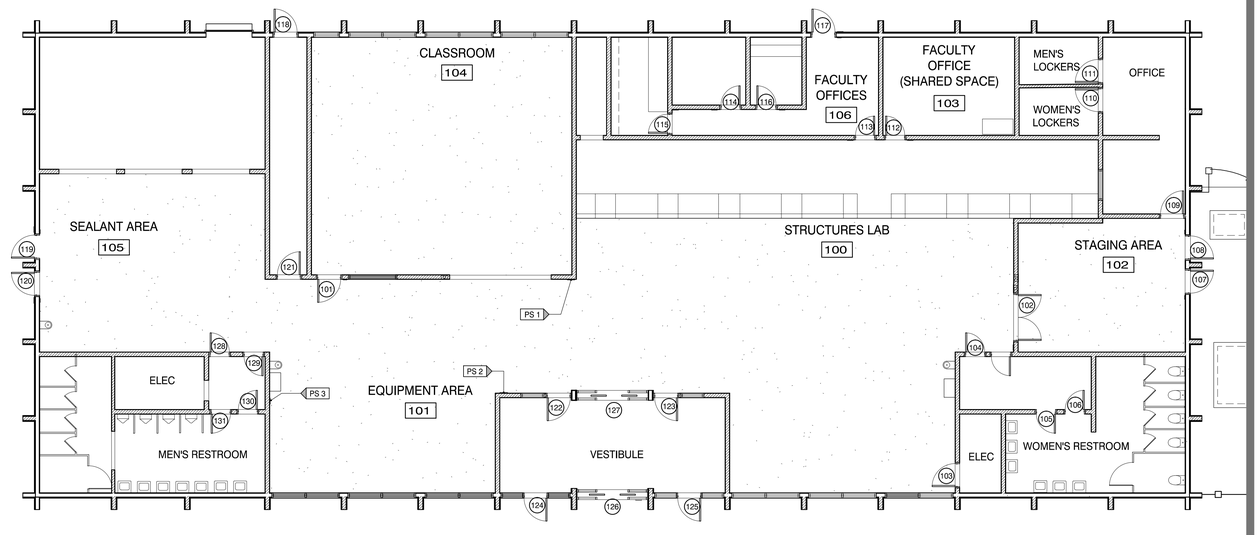
SIGN CODE	SIGN DETAIL (SHEET A-502)	SIGN DESCRIPTION	SIGN MESSAGE	REMARKS
PS 1	S6B	SK1	SEE S6B	DIRECTIONAL SIGNAGE
PS 2	S6C	SK1	SEE S6C	DIRECTIONAL SIGNAGE
PS 3	S2	SK1	EQUIPMENT LAB 101	

GENERAL NOTES

1. SEE DOOR & FRAME SCHEDULE FOR PANEL SIGNAGE ASSOCIATED w/ A DOOR.
2. SEE SHEET A-502 FOR SIGN DETAILS.

SIGNAGE KEYNOTES

SK1 PANEL WALL MOUNT



1 Signage Plan

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

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ENGINEERS STAMP & SIGNATURE

LICENSED ARCHITECT STEVEN E. DOWTY No. C-11153 Ren. 11/17 STATE OF CALIFORNIA

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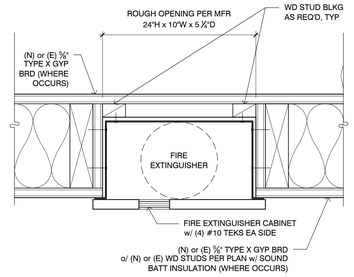
SHEET TITLE: DOOR SCHEDULE, SIGNAGE PLAN, PANEL SIGNAGE MESSAGE SCHEDULE ANTELOPE VALLEY COLLEGE PALMDALE AIRPORT TERMINAL REMODEL

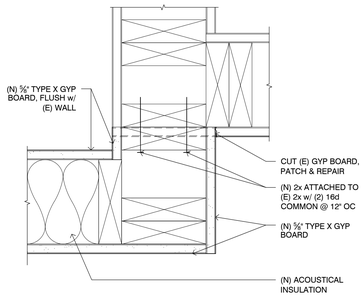
SHEET

A-601



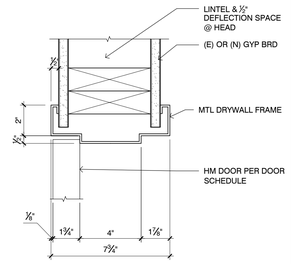
10 Recessed Fire Ext Cabinet

SCALE: 3" = 1'-0"



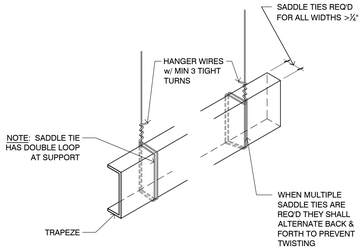
6 (N) Wall to (E) Wall Connection

SCALE: 3"=1'-0"



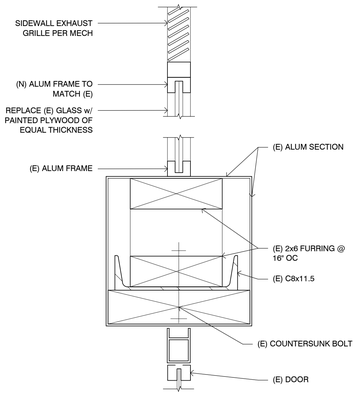
1 HM Door Head, Typ (Jamb Sim)

SCALE: 3"=1'-0"



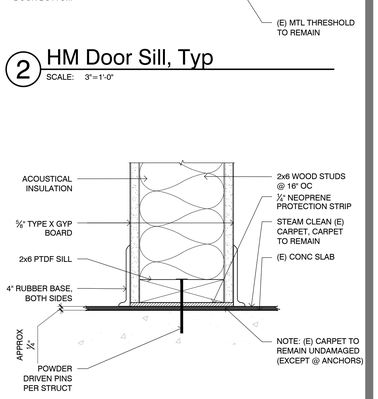
11 Typ Saddle Tie

SCALE: NTS



Door Head @ (N) Exhaust Grille (Jamb Sim) 7

SCALE: 3"=1'-0"

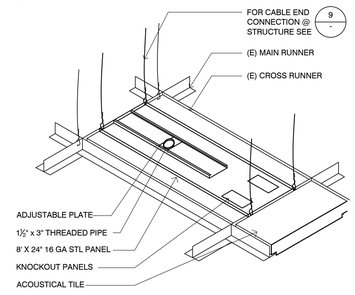


2 HM Door Sill, Typ

SCALE: 3"=1'-0"

3 Infill Wall @ Base

SCALE: 3"=1'-0"



8 Adjustable Projector Clg Panel

SCALE : NTS

4 Not Used

SCALE: 3"=1'-0"

9 Wire Connections to Wood Framing

SCALE: NTS

5 Equipment Pad

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

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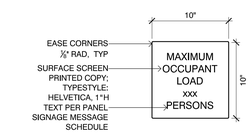
SHEET TITLE DETAILS
ANTELOPE VALLEY COLLEGE
PALMDALE AIRPORT TERMINAL
REMODEL

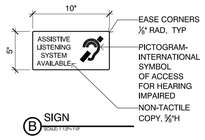
SHEET

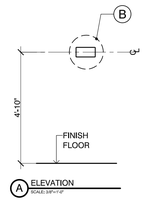
A-501



NOTES:
1. SEE DETAIL G1 FOR GENERAL NOTES & TEMPLATES

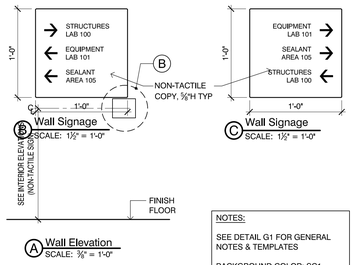
S4 Signage
SCALE: AS NOTED





NOTES:
1. SEE DETAIL G1 FOR GENERAL NOTES & TEMPLATES

S5 Signage
SCALE: AS NOTED

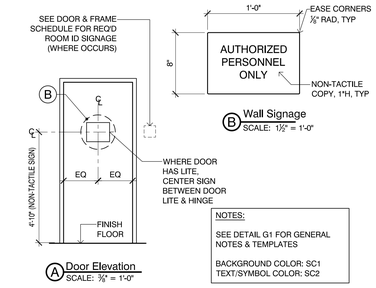


NOTES:

SEE DETAIL G1 FOR GENERAL NOTES & TEMPLATES

BACKGROUND COLOR: SC1
TEXT/SYMBOL COLOR: SC2

S6 Directional Signage
SCALE: AS NOTED



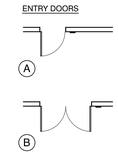
NOTES:

SEE DETAIL G1 FOR GENERAL NOTES & TEMPLATES

BACKGROUND COLOR: SC1
TEXT/SYMBOL COLOR: SC2

S7 Signage
SCALE: AS NOTED

ENTRY DOORS



SINGLE DOOR: THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. (CBC 11B-703.4.2)

DOUBLE DOORS w/ TWO ACTIVE LEAFS: THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. (CBC 11B-703.4.2)

DOUBLE DOORS w/ ONE ACTIVE LEAF: THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. (CBC - 11B-703.4.2)

DOUBLE DOORS WITHOUT WALL SPACE AT RIGHT SIDE OF DOOR:THE SIGN SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. (CBC - 11B-703.4.2)

SINGLE DOOR WITHOUT WALL SPACE AT LATCH SIDE OF DOOR:THE SIGN SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. (CBC - 11B-703.4.2)

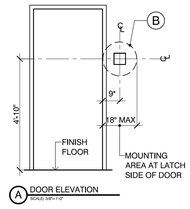
EXIT DOORS

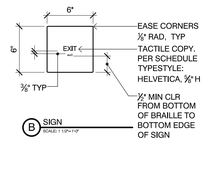
SINGLE DOOR: MOUNT EXIT SIGN ON ADJACENT LATCH SIDE WALL-ON PUSH SIDE OF DOOR.

DOUBLE DOORS: MOUNT EXIT SIGN ON NEAREST ADJACENT WALL AT RIGHT-ON PUSH SIDE OF DOOR.

SINGLE DOOR WITH LATCH SIDE SIDELITE: MOUNT EXIT SIGN ON LATCH SIDE OF DOOR - PROVIDE BLANK SIGN PLATE ON OPPOSITE SIDE OF DOOR.

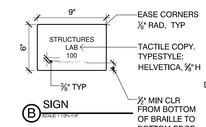
G3 Sign Locations Relative to Door
SCALE : NONE

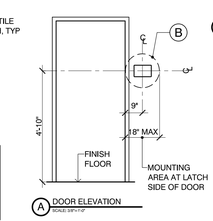




NOTES:
1. SEE DETAIL G1 FOR GENERAL NOTES & TEMPLATES
2. SEE DETAIL G2 FOR MOUNTING HEIGHT REQUIREMENTS
3. SEE DETAIL G3 FOR SIGN LOCATIONS RELATIVE TO DOOR FOR VARIOUS DOOR CONDITIONS

S1 Signage
SCALE: AS NOTED

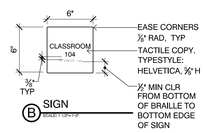


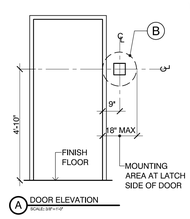


MESSAGE SCHEDULE:
1. EXIT ROUTE
2. EXIT STAIR DOWN [OR UP]
3. EXIT RAMP DOWN [OR UP]
4. EXIT STAIR/RAMP DOWN [OR UP]

NOTES:
1. SEE DETAIL G1 FOR GENERAL NOTES & TEMPLATES
2. SEE DETAIL G3 FOR SIGN LOCATIONS RELATIVE TO DOOR FOR VARIOUS DOOR CONDITIONS

S2 Signage
SCALE: AS NOTED





NOTES:
1. SEE DETAIL G1 FOR GENERAL NOTES & TEMPLATES
2. SEE DETAIL G2 FOR MOUNTING HEIGHT REQUIREMENTS
3. SEE DETAIL G3 FOR SIGN LOCATIONS RELATIVE TO DOOR FOR VARIOUS DOOR CONDITIONS

S3 Signage
SCALE: AS NOTED

A. RAISED CHARACTERS PER CBC 11B-703.2

1. **DEPTH:** RAISED CHARACTERS SHALL BE 1/32" MINIMUM ABOVE THEIR BACKGROUND.
2. **CASE:** CHARACTERS SHALL BE UPPERCASE.
3. **STYLE:** CHARACTERS SHALL BE SANS SERIF. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE, SCRIPT, HIGHLY DECORATIVE, OR OF OTHER UNUSUAL FORMS
4. **CHARACTER PROPORTIONS:** CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".
5. **CHARACTER HEIGHT:** CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE ⅝" MINIMUM AND 2" MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I".
6. **STROKE THICKNESS:** STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER.
7. **CHARACTER SPACING:** CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16" MIN AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX AT THE BASE OF THE CROSS SECTIONS, AND 1/8" MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8" MIN.
8. **LINE SPACING:** SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% MINIMUM AND 170% MAXIMUM OF THE RAISED CHARACTER HEIGHT.
9. **FORMAT:** TEXT SHALL BE IN A HORIZONTAL FORMAT.

B. BRAILLE: CONTRACTED (GRADE 2) PER 11B-703.3 & 11B-703.4

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.
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 ⅜" MINIMUM AND ½" MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND ¾" MIN FROM RAISED BORDERS AND DECORATIVE ELEMENTS. EXCEPTION: BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED BY 3/8" MINIMUM AND SHALL BE LOCATED EITHER DIRECTLY BELOW THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

C. VISUAL CHARACTERS PER CBC 11B-703.5

1. SHALL COMPLY WITH CBC 11B-703.2 & 11B-703.3
2. **FINISH & CONTRAST:** CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.
3. **STROKE THICKNESS:** STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 10% MINIMUM AND 20% MAXIMUM OF THE HEIGHT OF THE CHARACTER.

SIGN BACKGROUND (FIELD) COLOR SC1: FILL IN COLOR
SIGN TEXT/SYMBOL COLOR SC2: FILL IN COLOR

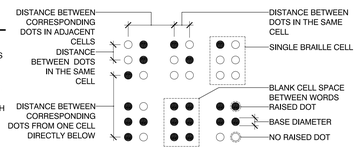
A SIGNAGE GENERAL NOTES
NTS

VISUAL & RAISED CHARACTER PROPORTIONS

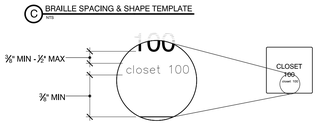
STROKE PROPORTIONS

B WIDTH TO HEIGHT PROPORTIONS TEMPLATE
NTS

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 to 0.063
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL	0.100
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS	0.300
DOT HEIGHT	0.025 to 0.037
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW	0.395 to 0.400

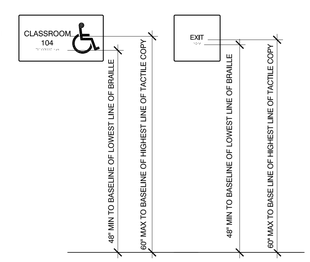


C BRAILLE SPACING & SHAPE TEMPLATE
NTS



D BRAILLE POSITION
NTS

G1 Signage General Notes & Templates
SCALE : NONE



G2 Typ Mounting Height Requirements
SCALE: AS NOTED

ANTELOPE VALLEY COMMUNITY COLLEGE DISTRICT
ANTELOPE VALLEY COLLEGE
4100 30TH ST E. PALMDALE,CA 93550

PALMDALE AIRPORT TERMINAL REMODEL

KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA
30 W. ARRELLAGA STREET SANTA BARBARA CA 93101
TELEPHONE (805) 963-1726 FAX (805) 963-2951
STEVE DOWTY, AIA
PRINCIPAL-IN-CHARGE
SHANNON BLOMST
PROJECT MANAGER

ARCHITECT'S STAMP & SIGNATURE

LICENSED ARCHITECT STEVEN E. DOWTY No. C-11153 Ren. 11/17 STATE OF CALIFORNIA

ENGINEER'S STAMP & SIGNATURE

CONSULTANT INFORMATION

REVISION	DESCRIPTION	DATE	BY
5	-	-/-/-	XX
4	-	-/-/-	XX
3	-	-/-/-	XX
2	-	-/-/-	XX
1	-	-/-/-	XX

DRAWN SB
CHECKED SD
DATE 11/11/2016
JOB. NO. 16018

SHEET TITLE: SIGNAGE DETAILS
ANTELOPE VALLEY COLLEGE
PALMDALE AIRPORT TERMINAL REMODEL

SHEET
A-502

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR				BASE			WAINSCOT				WALLS												CEILING				REMARKS
													NORTH				EAST				SOUTH				WEST					
		SUB FLOOR	FLOOR MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	HEIGHT	MATERIAL	FINISH	COLOR		MATERIAL	FINISH	COLOR		MATERIAL	FINISH	COLOR		MATERIAL	FINISH	COLOR		MATERIAL	FINISH	COLOR	HEIGHT	
100	STRUCTURES LAB	F1	F3	FN4	-	B1	FN1	C2	-	-	-	-	W1	-	-		W1	-	-		W1/ W2	FN3	P1		W1	-	-		(E)	(E)	(E)	12'-0"	PAINT (N) WALL ONLY (N) BASE @ (N) WALL ONLY
101	EQUIPMENT AREA	F1	F3	FN4	-	B2	FN1	C2	-	-	-	-	W1	-	-		W1	-	-		W1	-	-		W1	-	-		(E)	(E)	(E)	12'-0"	
102	STAGING AREA	F1	F3	FN4	-	B1	FN1	C2	-	-	-	-	W1/ W2	FN3	P1		W1	-	-		W1	-	-		W1	-	-		(E)	(E)	(E)	12'-0"	(N) BASE @ (N) WALL ONLY
103	FACULTY OFFICE	(E)	(E)	(E)	(E)	(E)	(E)	(E)	-	-	-	-	W1	-	-		W1	-	-		W1	-	-		W1	-	-		(E)	(E)	(E)	12'-0"	
104	CLASSROOM	(E)	F3	(E)	(E)	(E)	(E)	(E)	-	-	-	-	W1	FN3	P1		W1	-	-		W1	-	-		W1	-	-		(E)	(E)	(E)	12'-0"	PAINT (E) NORTH WALL ONLY
105	SEALANT AREA	F1	F3	FN4	-	B2	FN1	C2	-	-	-	-	W1	-	-		W1	-	-		W1	-	-		W1	-	-		(E)	(E)	(E)	12'-0"	
106	FACULTY OFFICES (4 ROOMS TOTAL)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	-	-	-	-	W1	-	-		W1	-	-		W1	-	-		W1	-	-		(E)	(E)	(E)	9'-0"	

MATERIALS LEGEND

Subfloor,flooring	F1	(E) CONCRETE
	F2	NOT USED
	F3	(E) CARPET
	F4	NOT USED
	F5	NOT USED
Base	B1	RESILIENT BASE
	B2	(E) BASE
Walls	W1	(E) GYP BOARD TO REMAIN, PATCH AS REQ'D
	W2	(N) ⅝" TYPE X GYP BRD
	W3	NOT USED
Ceilings	CL1	(E) DIRECT MOUNT ACOUSTICAL CEILING TILE TO REMAIN - PATCH AS REQ'D
	CL2	(E) GYP BRD TO REMAIN - PATCH AS REQ'D
	CL3	NOT USED
	CL4	NOT USED
Finish	FN1	FACTORY FINISH
	FN2	CLEAR PENETRATING CONCRETE SEALER
	FN3	PAINT TYPE P25C EGGSHELL - GLOSS LEVEL 10-15% ON A 60° METER
	FN4	PAINT TYPE P30 SEMI GLOSS - EPOXY COATING
	FN5	PAINT TYPE P28B SEMI GLOSS - GLOSS LEVEL 40-50 % ON A 60° METER
	FN6	PAINT TYPE P29D FLAT

MISC COLOR LEGEND

C1 NOTUSED

C2 ROPPE 4" "PINNACLE" RUBBER BASE w/COVE, COLOR T.B.D.

C3 NOT USED

PAINT COLOR LEGEND

P1 DUNN EDWARDS, PAINT COLOR: TBD (WALLS)

P2 DUNN EDWARDS, PAINT COLOR: TBD (NEW INTERIOR DOORS AND FRAMES)

GENERAL NOTES

1.

2. ALL (N) DOORS AND DOOR FRAMES TO BE PAINTED, FINISH: FN4, COLOR P2 U.N.O.

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ANTELOPE VALLEY COLLEGE
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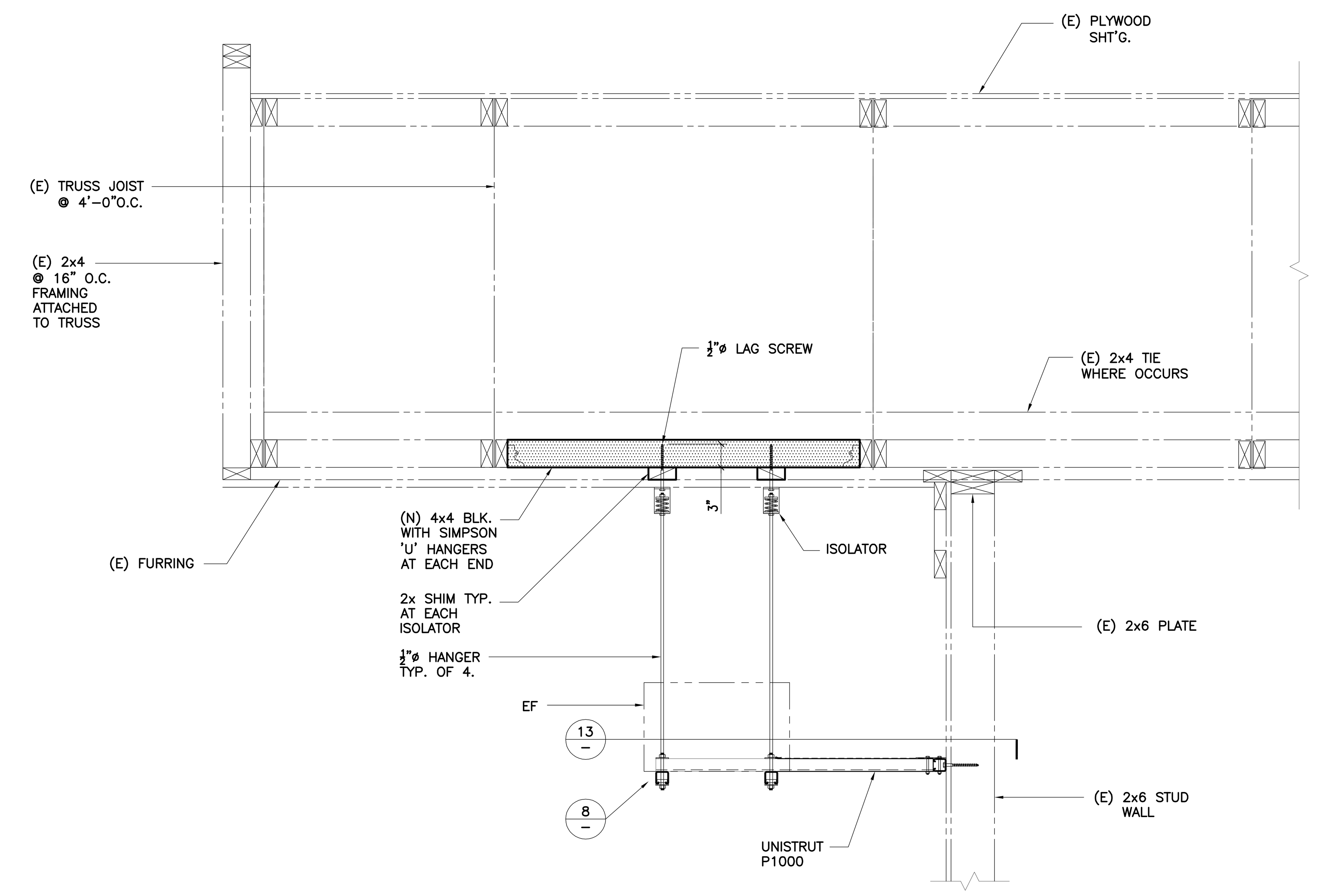
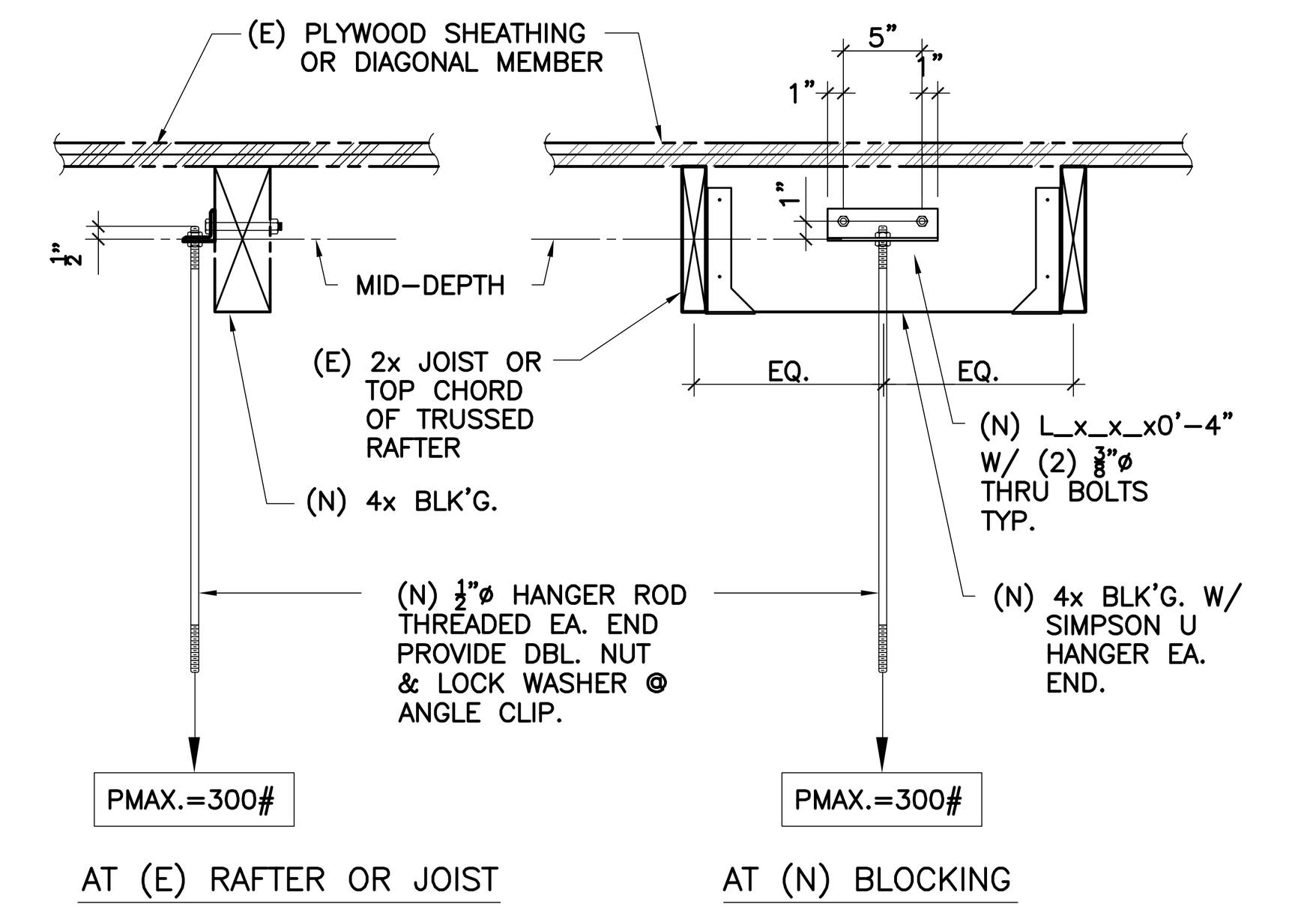
DRAWN SB
CHECKED SD
DATE 11/11/2016
JOB. NO. 16018

SHEET TITLE ROOM FINISH SCHEDULE
ANTELOPE VALLEY COLLEGE
PALMDALE AIRPORT TERMINAL REMODEL

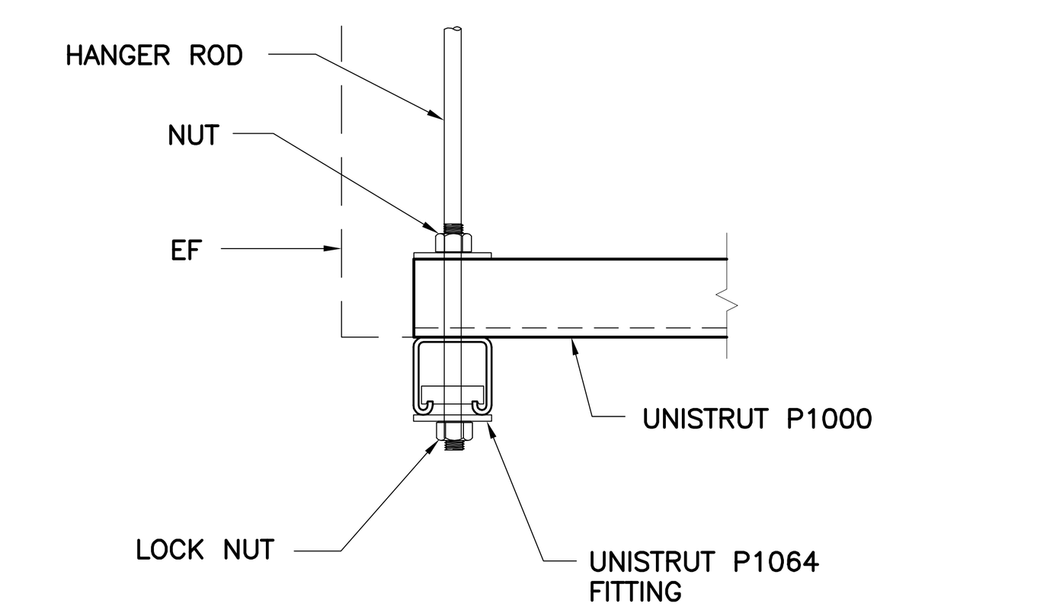
SHEET A-602



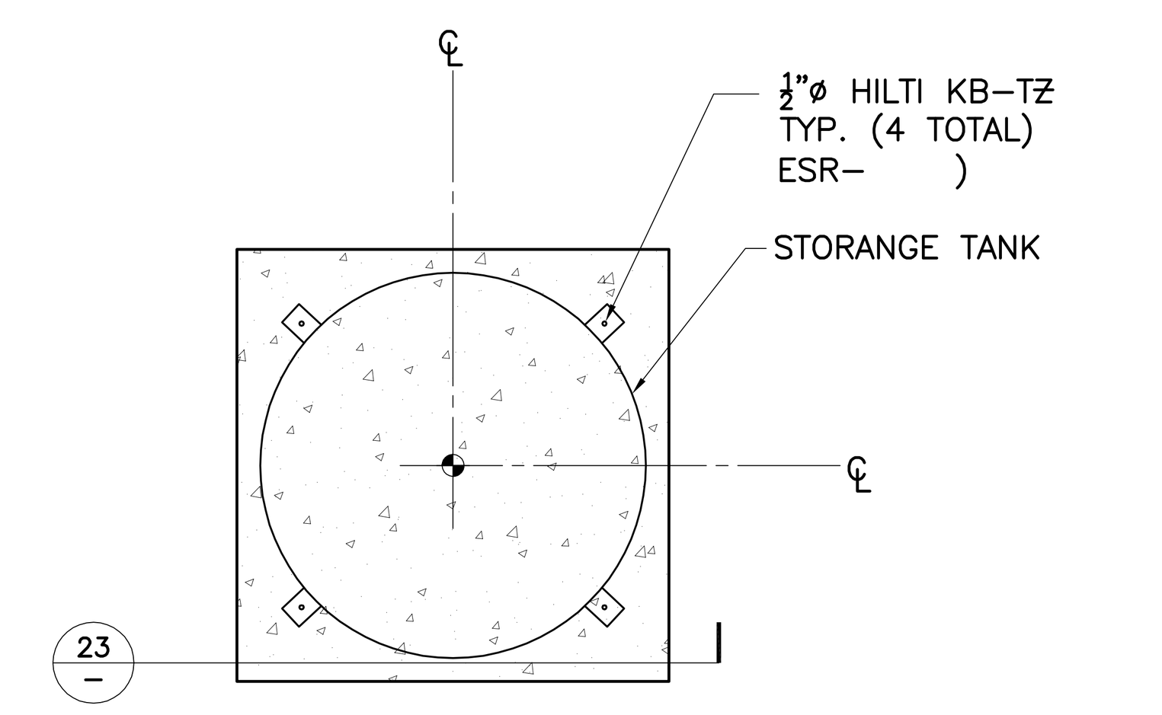
DETAIL | 1" | 7



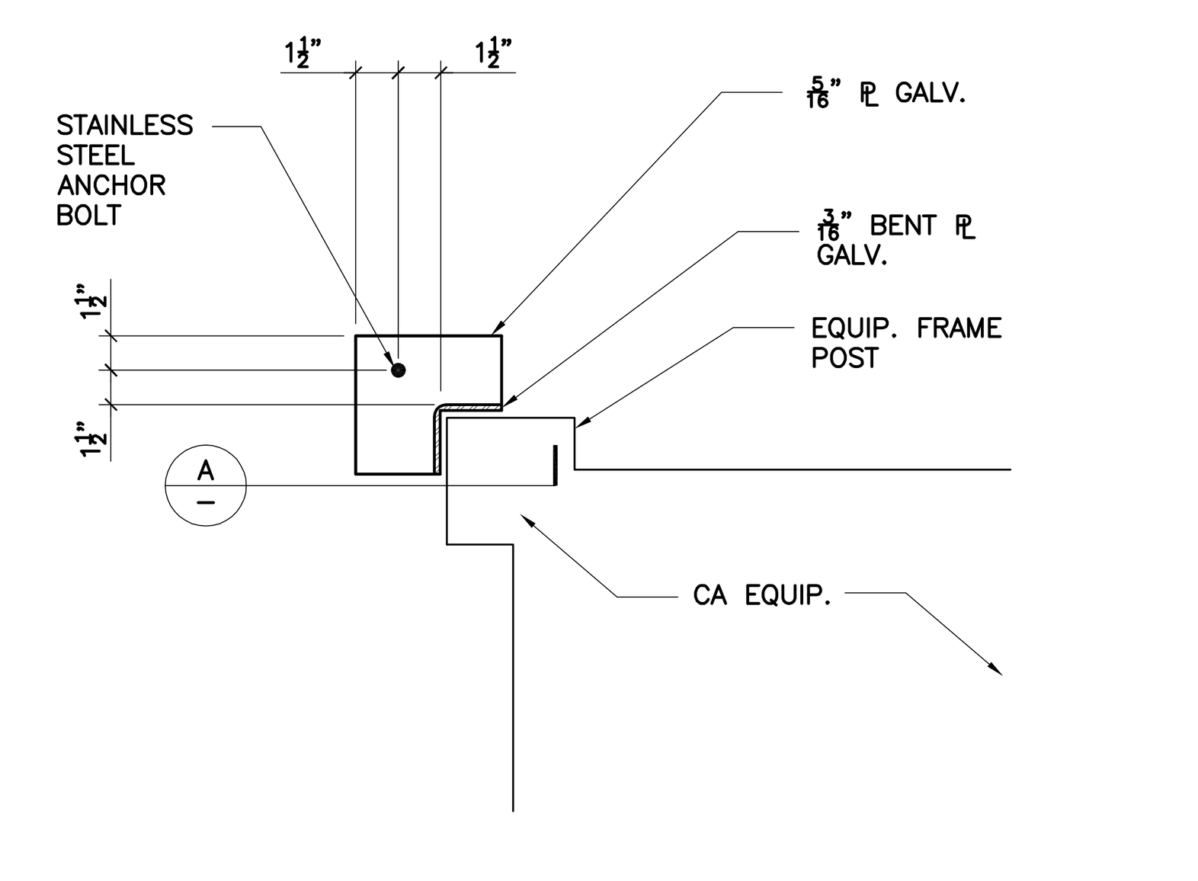
HANGER EQUIPMENT DETAIL | N.T.S. | 3



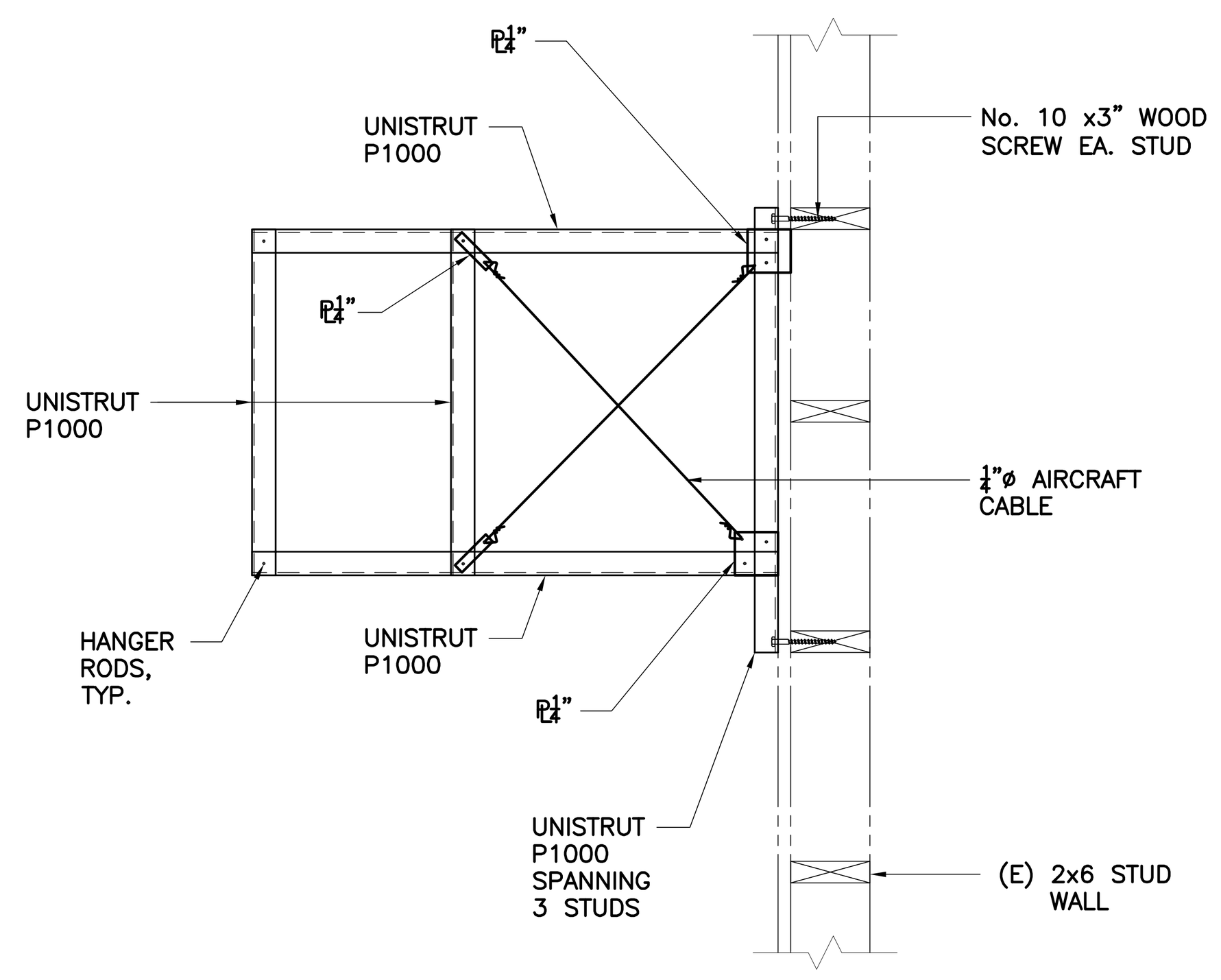
EQUIPMENT ANCHOR TO UNISTRUT | N.T.S. | 8



STORAGE (RECEIVER) ANCHORAGE DETAIL | N.T.S. | 14



PLAN DEATAIL (A)
1½"=1'-0"



PLAN DETAIL | 1" | 13

A. STRUCTURAL NOTES:

1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE, AND TO ENSURE THE STABILITY OF THE BUILDING AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS, DURING ERECTION. THIS INCLUDES THE ADDITION OF ANY SHORING, SHEETING, TEMPORARY GUYS, BRACING OR TIEDOWNS THAT MIGHT BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT, AND SHALL REMAIN THE CONTRACTOR'S PROPERTY. THE ENGINEER HAS NO EXPERTISE IN, AND TAKES NO RESPONSIBILITY FOR, CONSTRUCTION MEANS AND METHODS OR JOB SITE SAFETY DURING CONSTRUCTION. PROCESSING AND/OR APPROVING SUBMITTALS MADE BY THE CONTRACTOR WHICH MAY CONTAIN INFORMATION RELATED TO CONSTRUCTION METHODS OR SAFETY ISSUES, OR PARTICIPATION IN MEETINGS WHERE SUCH ISSUES MIGHT BE DISCUSSED, SHALL NOT BE CONSTRUED AS VOLUNTARY ASSUMPTION BY THE ENGINEER OF ANY RESPONSIBILITY FOR SAFETY PROCEDURES.
2. IT IS SOLELY THE RESPONSIBILITY OF EACH CONTRACTOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE ENGINEER IS NOT ENGAGED IN, AND DOES NOT SUPERVISE, CONSTRUCTION.
3. GOVERNING CODE: CALIFORNIA BUILDING CODE, 2013 EDITION
4. ROOF LIVE LOAD: 20 PSF
5. WIND DESIGN PARAMETERS
   a. BASIC WIND SPEED = 110 MPH
   b. RISK CATEGORY II.
   c. WIND EXPOSURE CATEGORY = C FOR COMPONENTS AND CLADDING
6. SEISMIC DESIGN PARAMETERS (EQUIVALENT LATERAL FORCE PROCEDURE)
   SITE CLASS: D,
   SEISMIC DESIGN CATAGORY 'D'
   S_S = 1.897g S_1= 0.904g
   S_{DS} = 1.265g S_{D1}= 0.904g
   I = 1.0 RISK CATEGORY III

B. REINFORCED CONCRETE:

1. MATERIALS:
   a. SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE." NOTE: SPECIAL INSPECTIONS REQUIRED FOR F'C OVER 2500 PSI
   b. STRUCTURAL CONCRETE – MINIMUM REQUIRED

CLASS	LOCATION	F'c (PSI) DENSITY	MAXIMUM WATER/CEMENT RATIO
I	FOOTINGS	145 PCF	0.60

   c. PROVIDE TYPE II CEMENT CONFORMING TO ASTM C-150
   d. ALL DEFORMED REINFORCING BARS: ASTM A615, GRADE 60 Fy = 60,000 PSI
2. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15, IN THE FIELD OFFICE AT ALL TIMES.
3. CONTINGENCIES:
   a. PROVIDE SUPPORTS AS REQUIRED TO MAINTAIN ALIGNMENT OF SCHEDULED REINFORCING. SUCH SUPPORTS ARE TO BE REFLECTED IN THE BID, AND ARE NOT PART OF THE CONTINGENCY QUANTITY LISTED ABOVE.
4. FOOTINGS AND PIERS:
   a. PROVIDE DOWELS IN FOOTINGS TO MATCH VERTICAL PIER OR WALL REINFORCING U.N.O.
   b. PROVIDE CORNER BARS AT WALL CORNERS TO MATCH HORIZONTAL REINFORCING. MINIMUM LAP LENGTH WITH HORIZONTAL REINFORCEMENT – 45 BAR DIAMETERS.
   c. CAST IN CONTINUOUS DOVETAIL ANCHOR SLOTS ON VERTICAL SURFACES WHERE MASONRY ABUTS, 16 INCHES O.C. FOR PARALLEL SURFACES, AT CENTERLINE OF MASONRY FOR PERPENDICULAR SURFACES.
   d. PROVIDE LEAN CONCRETE (CLASS IV) UNDER FOUNDATIONS FOR ACCIDENTAL OVER-EXCAVATION, SOFT SPOTS AND TRENCHES.
5. SPLICES: NO SPLICES PERMITTED
6. CONSTRUCTION JOINTS:
   a. CONSTRUCTION JOINTS ARE PERMITTED ONLY WHERE SHOWN ON THE CONTRACT DRAWINGS OR AS APPROVED BY THE STRUCTURAL ENGINEER. ALL CONSTRUCTION JOINTS SHALL BE KEYED. KEYWAYS SHALL BE 1 1/2 INCHES DEEP x 1/3 MEMBER THICKNESS.
7. CONCRETE COVER: UNLESS NOTED OTHERWISE, DETAIL REINFORCING TO PROVIDE CONCRETE COVER AS FOLLOWS:
   a. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES
   b. CONCRETE EXPOSED TO EARTH OR WEATHER:
      #5 BARS AND SMALLER 1 1/2 INCHES
      OTHERS: 2 INCHES
   c. CONCRETE NOT EXPOSED TO EARTH OR WEATHER: 1 1/2 INCHES
8. MISCELLANEOUS:
   a. GROUT UNDER BEARING PLATES, SETTING PLATES, AND COLUMN BASE PLATES SHALL BE NON-SHRINKING TYPE. THE USE OF LEVELING PLATES AT COLUMN BASES IS PROHIBITED. GROUT BELOW BEARING PLATES, SETTING PLATES, AND COLUMN BASE PLATES SHALL BE INSTALLED ONLY AFTER THE STEEL IS PLUMBED.

C. MISCELLANEOUS & LIGHT GAGE STEEL:

1. THE STEEL FRAME AS DESIGNED IS A NON-SELF-SUPPORTING STEEL FRAME AS DEFINED BY THE AISC CODE OF STANDARD PRACTICE, PARAGRAPH 7.9.3. COORDINATE THE ERECTION WITH THE INSTALLATION OF OTHER BUILDING ELEMENTS REQUIRED FOR THE STRUCTURE'S STABILITY. THESE ELEMENTS INCLUDE SLABS, WALLS, OPEN-WEB TRUSSES, AND LIGHT FRAMED WOOD PANELS.
2. MATERIALS:
   a. STRUCTURAL STEEL: ASTM A36, Fy = 36 KSI;
   b. BOLTS: ASTM A307 OR A36; ELECTRODES: SERIES E70XX;
   c. LIGHT GAGE STEEL: ASTM A653 GRADE 50 FOR 16 GAGE & THICKER OTHERWISE GRADE 33
3. SPECIFICATION: WELDING PERSONNEL AND PROCEDURES SHALL BE QUALIFIED PER AWS D1.1. UNLESS SPECIFICALLY SHOWN OTHERWISE, DESIGN, FABRICATION AND ERECTION TO BE GOVERNED BY:
   a. AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
   b. AISC CODE OF STANDARD PRACTICE.
   c. STRUCTURAL WELDING CODE, AWS D1.1 OF THE AMERICAN WELDING SOCIETY.
4. CONNECTIONS:
   a. FIELD CONNECTIONS TO BE BOLTED. SHOP CONNECTIONS TO BE WELDED OR BOLTED. CONNECTIONS TO BE DESIGNED BY THE FABRICATOR TO DEVELOP THE FULL UNIFORM LOAD CAPACITY OF THE MEMBER OR FORCES SHOWN ON PLANS, WHICHEVER IS GREATER. UNLESS INDICATED OTHERWISE, ALL CONNECTIONS MAY BE DOUBLE ANGLE CONNECTIONS OR SINGLE PLATE SHEAR CONNECTIONS (DESIGNED FOR A FLEXIBLE SUPPORT CONDITION). FOLLOW INSTRUCTIONS ON DRAWINGS FOR GENERAL ARRANGEMENT OR PARTICULAR DETAILS.
   b. SHOP WELDS SHALL BE PERFORMED IN A LICENSED FABRICATOR'S SHOP.
   c. FIELD WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS FOR STRUCTURAL FOR STRUCTURAL STEEL AND LIGHT GAGE STEEL.
5. PAINT:
   a. ALL STRUCTURAL STEEL SHALL BE SHOP PRIMED WITH TWO COATS OF PRIMER.
   b. DO NOT PAINT STEEL OR ANCHOR BOLTS WHICH WILL BE ENCASED IN CONCRETE.

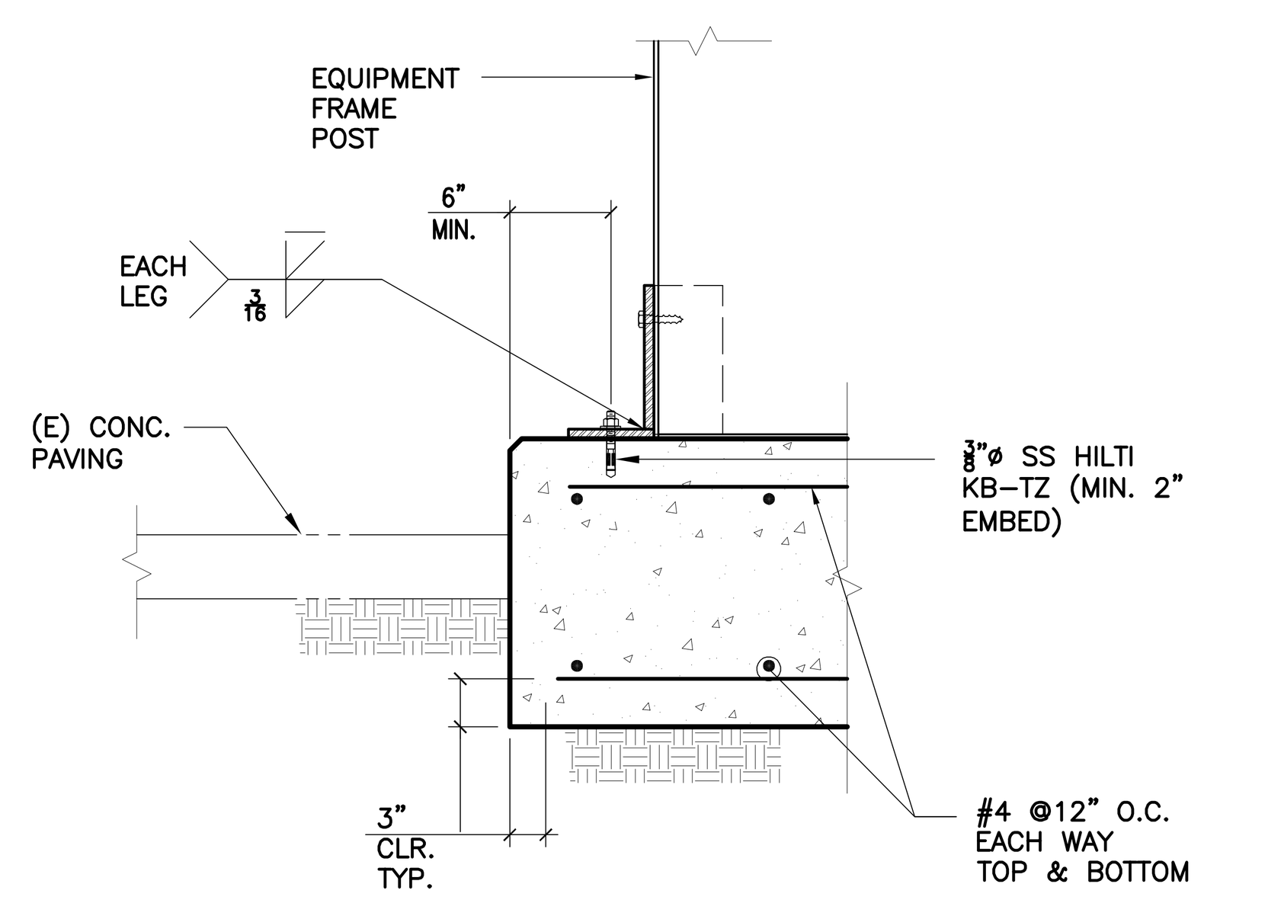
D. STATEMENT OF SPECIAL INSPECTION:

THESE STRUCTURES ARE DESIGNED TO MINIMIZE SPECIAL INSPECTION REQUIREMENTS, HOWEVER SPECIAL INSPECTION SHALL BE PROVIDED BY AN INDEPENDENT TESTING LABORATORY PER THE REQUIREMENTS OF LABC CHAPTER 17 AND THE LOCAL BUILDING OFFICIAL OR APPLICABLE JURISDICTION AND THE SPECIFICATIONS. THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS AND A FINAL SIGNED REPORT TO THE BUILDING OFFICIAL FOR THE FOLLOWING ITEMS IF SPECIFIED ON PLANS: A FINAL SIGNED REPORT TO THE BUILDING OFFICIAL FOR THE FOLLOWING IF SPECIFIED ON PLANS:

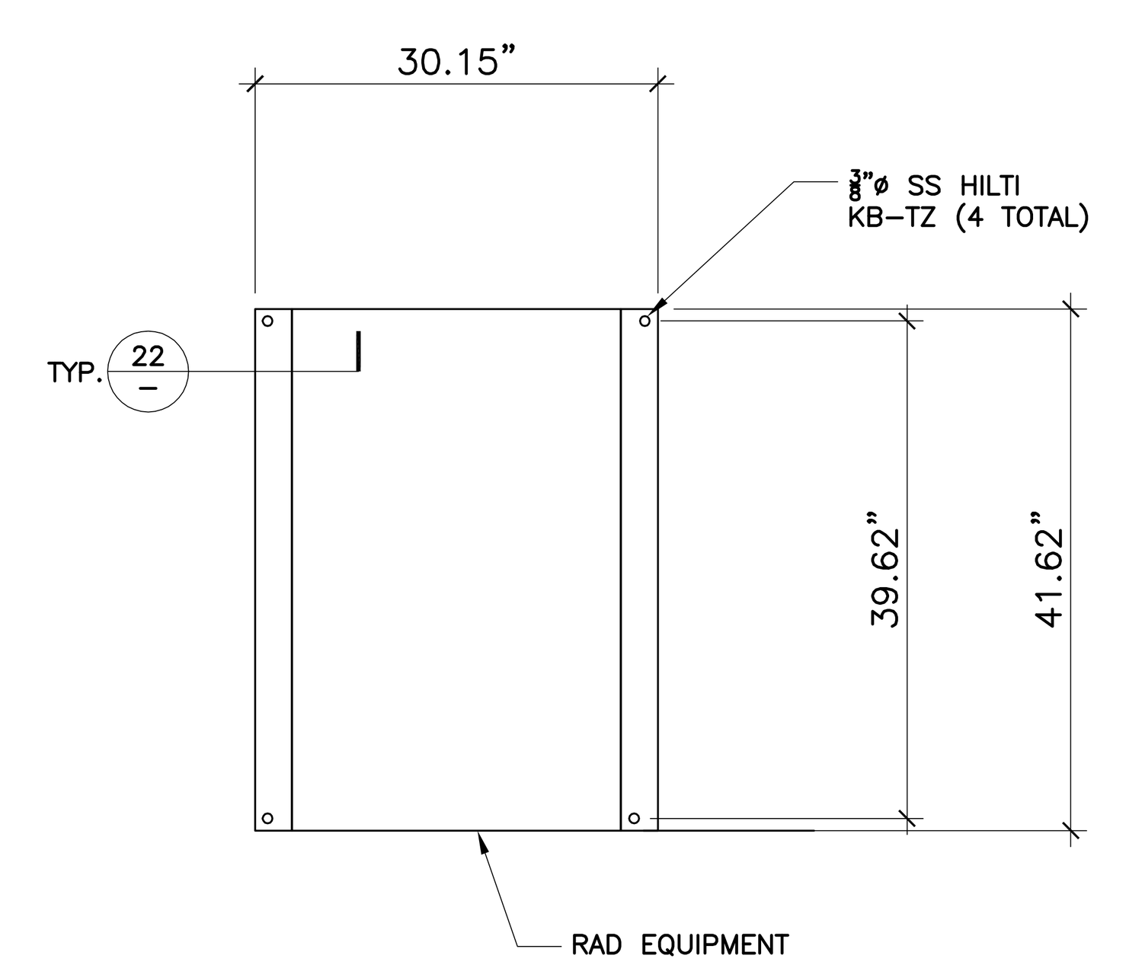
SPECIAL INSPECTION SCHEDULE		
	ITEM	COMMENT
1	CONCRETE STRENGTH f'c > 2500 PSI	CONTINUOUS SPECIAL INSPECTION

• NOTE: STRUCTURAL DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS OR PROCEDURES FOR CONSTRUCTION SAFETY.

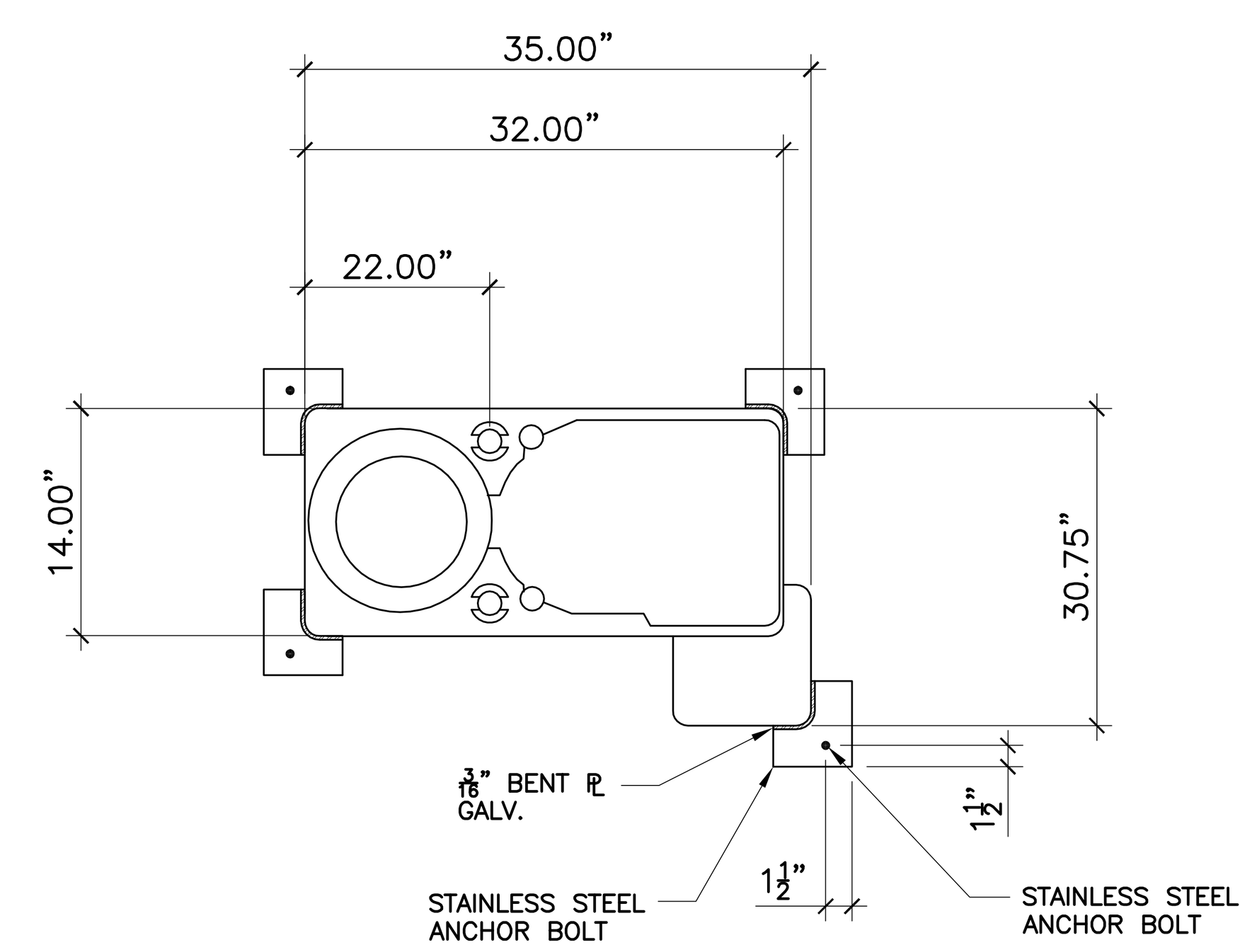
GENERAL NOTES AND MATERIAL REQUIREMENTS | 15



DETAIL | 1" | 16



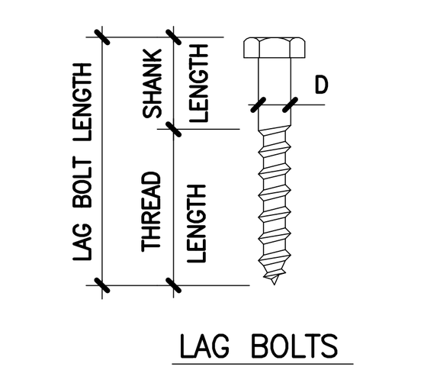
RAD (REFRIGERATED AIR DRYER ANCHORAGE | N.T.S. | 17



(OWS) OIL WATER SEPARATOR ANCHORAGE | N.T.S. | 18

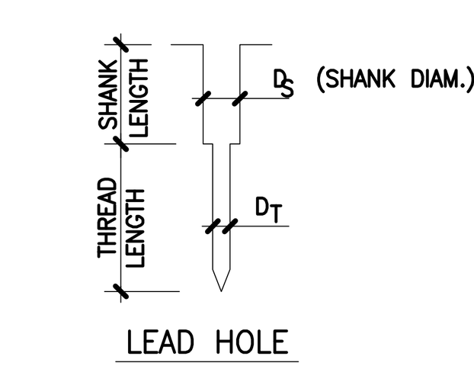
(NOT USED)

19



LAG BOLTS

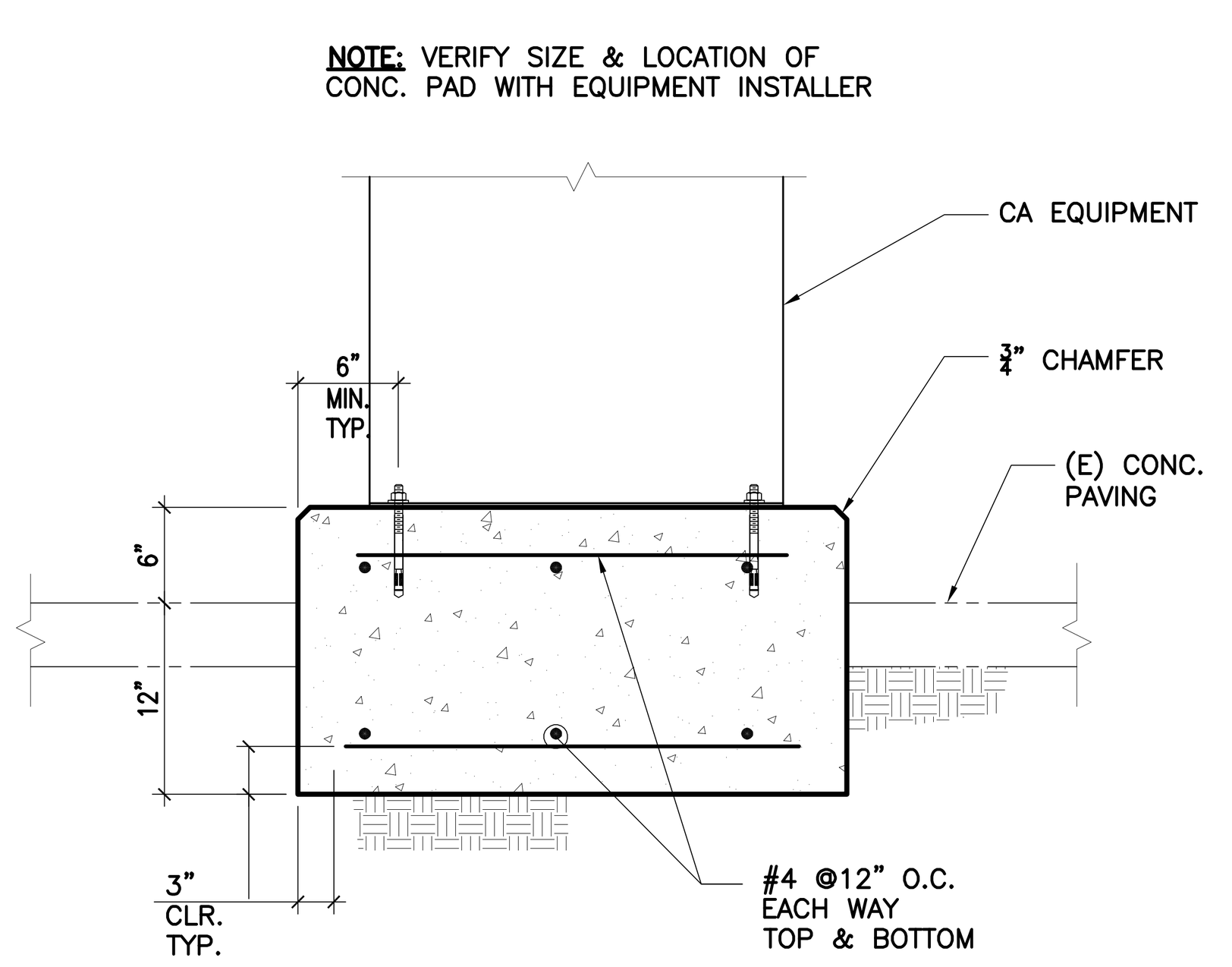
- ALL LAG BOLTS SHALL BE INSTALLED IN PRE-DRILLED LEAD HOLE.
- LAG BOLTS SHALL BE TURNED BY A HAND WRENCH OR BY A POWER TORQUE WRENCH.
- LAG BOLTS SHALL NOT BE HAMMERED!!
- WHERE FULL THREAD BOLTS ARE INDICATED, PROVIDE LEAD HOLE FOR DIAM. "D_T" FOR FULL DEPTH.
- PROVIDE WASHER UNDER HEAD FOR BOLT HEAD IN CONTACT WITH WOOD.



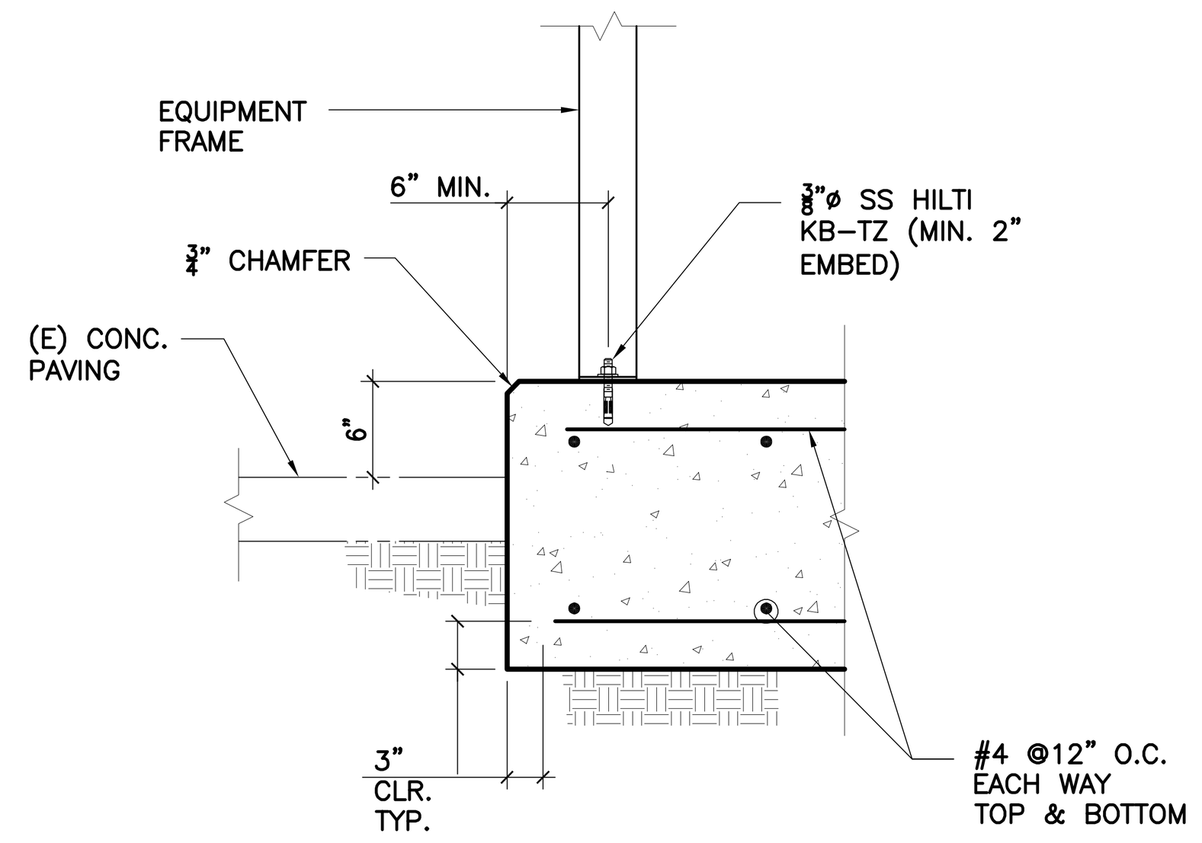
LEAD HOLE

DIAM. "D"	LEAD HOLE	
	D_S	D_T
1/2"ø	1/2"ø	5/16"ø
5/8"ø	5/8"ø	7/16"ø
3/4"ø	3/4"ø	1/2"ø

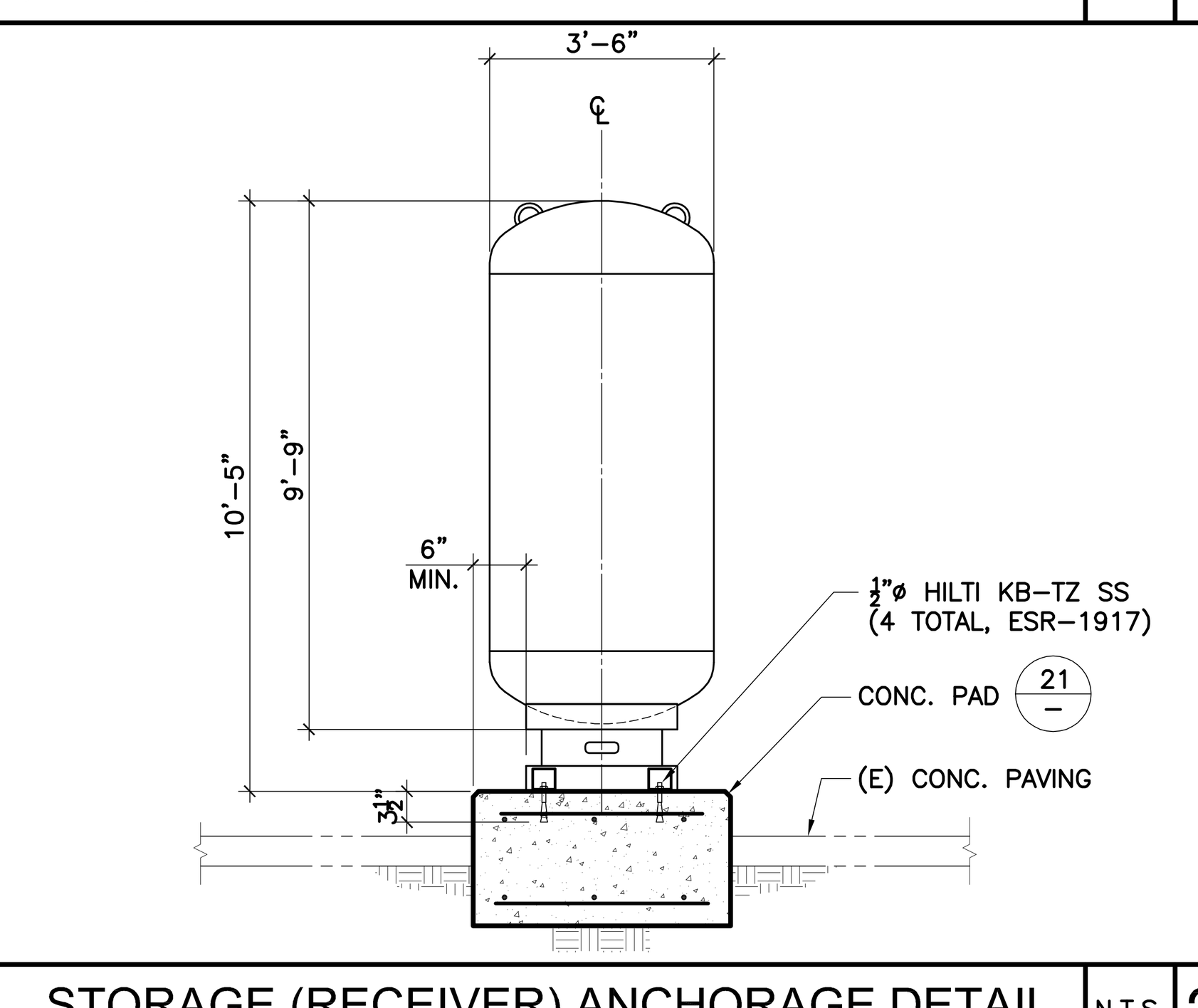
LAG BOLT INSTALLATION | N.T.S. | 20



(CA) AIR COMPRESSOR CONCRETE PAD | 1" | 21



DETAIL | 1" | 22



STORAGE (RECEIVER) ANCHORAGE DETAIL | N.T.S. | 23

(NOT USED)

24

MATERIALS

- CONCRETE
- WOOD BLOCKING
- EARTH

SYMBOLS

- NUMBER REF. DETAIL OR SECTION / SHEET REF.
- NUMBER REF. FULL HEIGHT SECTION / SHEET REF.
- FINISH ELEVATION

(N) INDICATES NEW CONSTRUCTION

(E) INDICATES EXISTING CONSTRUCTION

ABBREVIATIONS

ARCH'L.	ARCHITECTURAL
BLK'G.	BLOCKING
CONT.	CONTINUOUS
DIM.	DIMENSION
DWG.	DRAWING
EA.	EACH
FIN.	FINISH
FLR.	FLOOR
FS	FAR SIDE
GA.	GAGE
LADBS	LOS ANGELES DEPARTMENT OF BUILDING & SAFETY
MAX.	MAXIMUM
MECH'L.	MECHANICAL
MIN.	MINIMUM
NS	NEAR SIDE
O.C.	ON CENTER
O.H.	OPPOSITE HAND
OPN'G.	OPENING
SHT'G.	SHEATHING
SIM.	SIMILAR
SYMM.	SYMMETRY
TYP.	TYPICAL
W.P.	WORKING POINT
U.N.O.	UNLESS NOTED OTHERWISE

STRUCTURAL GRAPHIC LEGEND | 25

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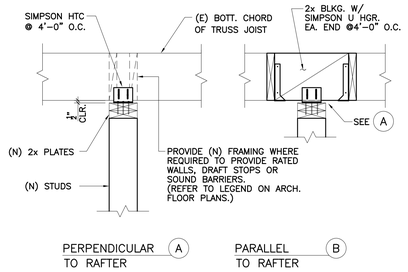
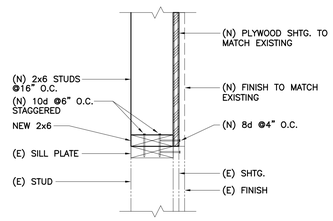
DRAWN H. VELASQUEZ
CHECKED L. TSO / W. LU
DATE 11/11/2016
JOB. NO. 16018

SHEET TITLE GENERAL NOTES, EQUIPMENT ANCHORAGE DETAILS

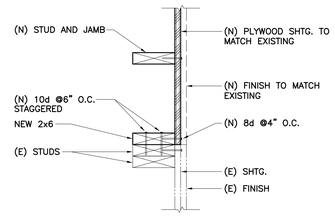
SHEET S-101



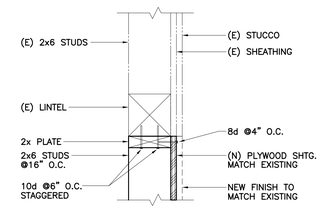
PARTITION BRACING DETAIL | N.T.S. | 1



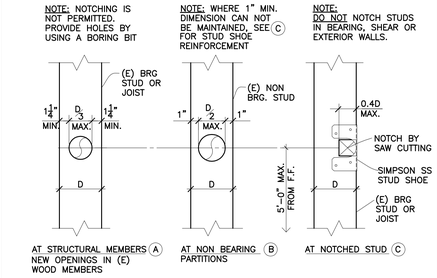
INFILL (E) OPENING AT SILL DETAIL | N.T.S. | 2



IN-FILL EXISTING OPENING AT JAMB | N.T.S. | 3

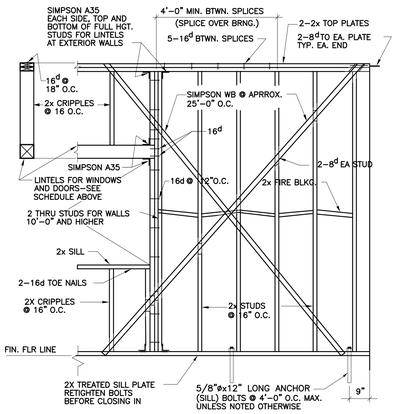


IN-FILL EXISTING OPENING DET. AT HEAD | N.T.S. | 4



HOLES OR NOTCH IN STUD

LINTEL OPENING		
MAXIMUM ROUGH OPENING	LINTEL SIZE 4" WALL	6" WALL
UP TO 8'-0"	4x8	6x8
8'-1" TO 10'-0"	4x10	6x10

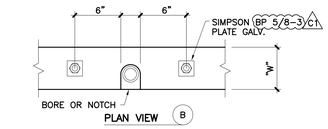


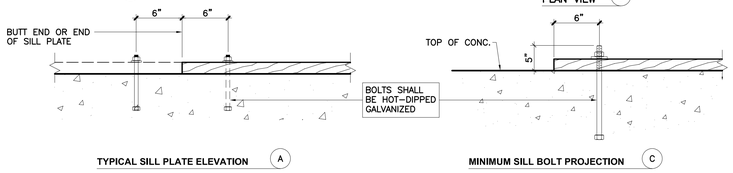
OPTIONAL SILL PLATE ANCHORAGE

(NOT APPLICABLE TO PLYWOOD SHEATHED WALLS)
SILL PLATES MAY BE ANCHORED BY USE OF 0.177"ø POWDER DRIVEN PINS @ 32" O.C. WITH A MINIMUM PENETRATION OF 1-1/2" INTO CONCRETE. OPTIONAL ANCHORS SHALL NOT BE USED IN CURBS OR ADJACENT TO DEPRESSED SLABS.

STUD WALL CONSTRUCTION | N.T.S. | 11

1. PROVIDE A MINIMUM SILL BOLT EMBEDMENT OF 7" BELOW FINISH FLOOR OR TOP OF CURB.
2. PROVIDE AND ADDITIONAL SILL BOLT 6" FROM EACH END OF EACH PIECE OF SILL PLATE.
3. WHERE SILL PLATES ARE BORED OR NOTCHED IN EXCESS OF 1/3 OF SILL PLATE WIDTH, PROVIDE ADDITIONAL SILL BOLT BOLTS 6 INCHES EACH SIDE OF BORE OR NOTCH.
4. SET ALL SILL BOLTS WITH A SETTING TEMPLATE BEFORE PLACING CONCRETE. STABBING OR PUSHING OF SILL BOLTS INTO WET CONCRETE IS EXPRESSLY PROHIBITED
5. PROVIDE A MINIMUM SILL BOLT PROJECTION ABOVE THE CONCRETE AS SHOWN ON DETAIL C

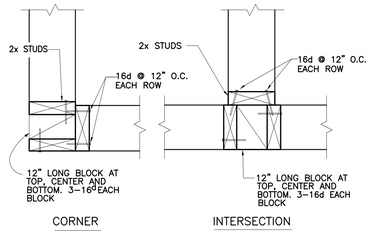




TYPICAL SILL PLATE ELEVATION A

MINIMUM SILL BOLT PROJECTION C

SILL BOLT REQUIREMENTS | N.T.S. | 8



STUD WALL CONSTRUCTION | N.T.S. | 9

MACHINE APPLIED NAILING

USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE ARCHITECT OR STRUCTURAL ENGINEER AND THE OFFICE OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN ~5" PLYWOOD. IF FLATHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

MACHINE APPLIED NAILING NOTES | N.T.S. | 10

(NOT USED) | 13 | 14 | 15

(NOT USED) | 16 | 17 | 18 | 19 | 20

(NOT USED) | 21 | 22 | 23 | 24 | 25

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ANTELOPE VALLEY COLLEGE
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ENGINEER'S STAMP & SIGNATURE

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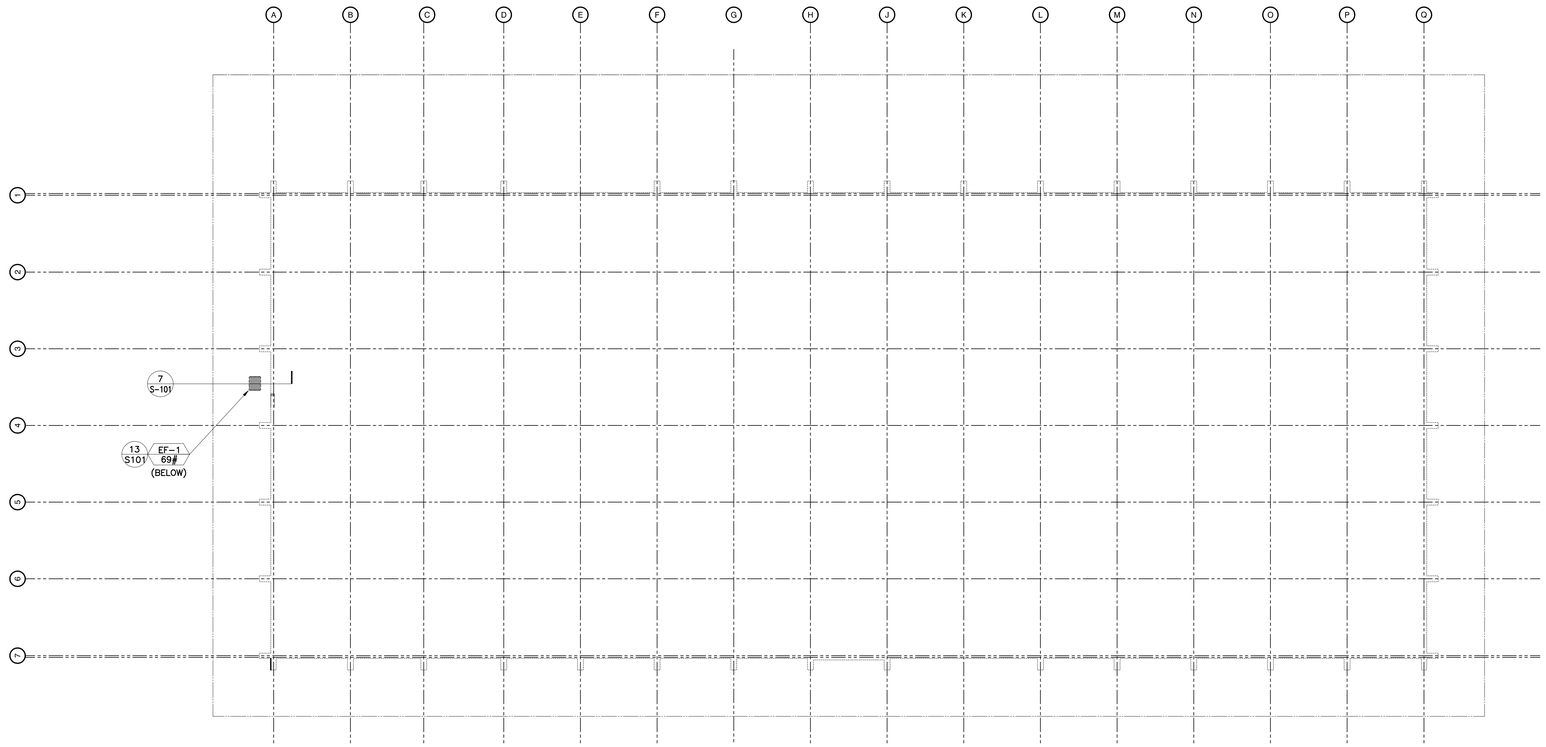
CHECKED L. TSO / W. LU
DATE 11/11/2016
JOB. NO. 16018

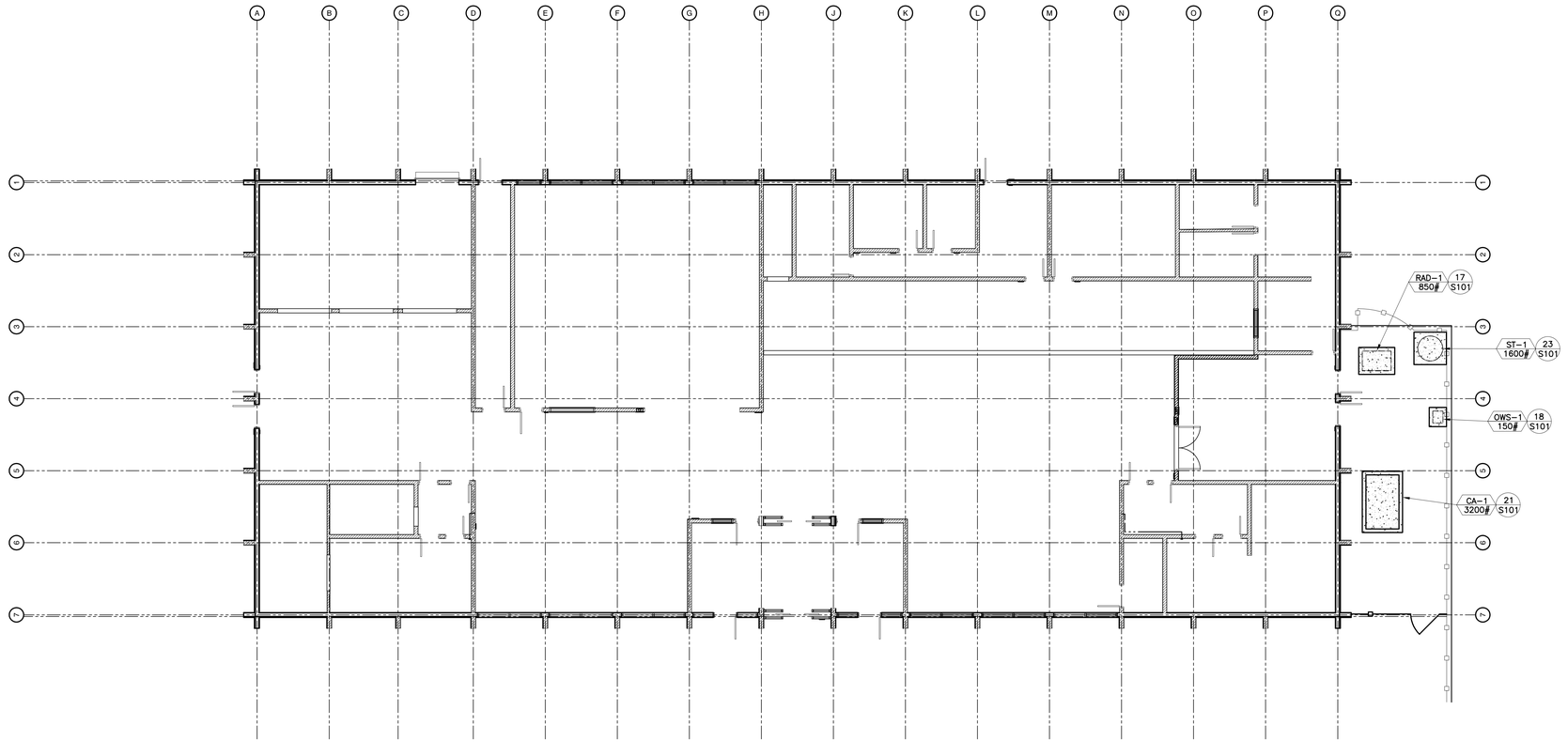
SHEET TITLE TYPICAL WOOD FRAMING DETAILS

SHEET
S-102



EXISTING ROOF PLAN

8" 1



EXISTING FLOOR PLAN

8" 2

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ANTELOPE VALLEY COMMUNITY COLLEGE DISTRICT
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SHEET TITLE EXISTING FLOOR, ROOF PLANS

SHEET

S-201

EXHAUST FAN SCHEDULE

SYMBOL	MANUFACTURER AND MODEL NUMBER	LOCATION AND DRAWING REFERENCE	SERVICE	TYPE	CAPACITY (CFM)	SP (IN.)	RPM	BHP	DRIVE		ELECTRICAL CHARACTERISTICS				OPERATING WEIGHT (LB)	REMARKS
									TYPE	VFD	HP	VOLTS	PHASE	HERTZ		
EF 1	COOK 120SQN-B	1ST FLOOR M-201	SEALANT AREA	INLINE	720	0.4	1,060	0.112	BELT	N/A	1/6	120	1	60	69	PROVIDE BACKDRAFT DAMPER AND WALL ON/OFF SWITCH.

HVAC ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
A, AMPS	AMPERES	LVG	LEAVING
ABV	ABOVE	MA	MIXED AIR
AD	ACCESS DOOR	MAX	MAXIMUM
AFF	ABOVE FINISHED FLOOR	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
AFG	ABOVE FINISHED GRADE		
AHU	AIR HANDLING UNIT	MCA	MINIMUM CIRCUIT AMPACITY
AMB	AMBIENT	MCC	MOTOR CONTROL CENTER
AP	ACCESS PANEL	MFGR	MANUFACTURER
ARCH	ARCHITECTURAL	MIN	MINIMUM
AUTO	AUTOMATIC	MOCP	MAXIMUM OVERCURRENT PROTECTION
BEL	BELOW		
BFG	BELOW FINISHED GRADE	MPH	MILES PER HOUR
BHP	BRAKE HORSEPOWER	NC	NOISE CRITERIA
BTUH	BRITISH THERMAL UNITS PER HOUR	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CAP	CAPACITY		
CB	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	OBD	OPPOSED BLADE DAMPER
CLG	CEILING	OC	ON CENTER
COMP	COMPRESSOR	OFCI	OWNER FURNISHED AND CONTRACTOR INSTALLED
COND	CONDITION		
CONDR	CONDENSER	OPNG	OPENING
COP	COEFFICIENT OF PERFORMANCE	OP, OPER	OPERATING
		OV	OUTLET VELOCITY
CU	CONDENSING UNIT	PERF	PERFORATED
CV	CONSTANT VOLUME	PD	PRESSURE DROP
dB	DECIBEL	PH	PHASE
DB	DRY BULB TEMPERATURE	PR, PRESS	PRESSURE
DDC	DIRECT DIGITAL CONTROL	PSI	POUND PER SQUARE INCH
DEFL	DEFLECTION	QTY	QUANTITY
DEMO	DEMOLITION	REFR	REFRIGERANT
DL	DOOR LOUVER	RH	RELATIVE HUMIDITY
DN	DOWN	RLA	RATED LOAD AMPERES
DPSW	DIFFERENTIAL PRESSURE SWITCH	RPM	REVOLUTIONS PER MINUTE
		SC	SENSIBLE CAPACITY
DS	DUCT SILENCER	SD	SMOKE DETECTOR
DSW	DISCONNECT SWITCH	SEER	SEASONAL ENERGY EFFICIENCY RATIO
DWGS	DRAWINGS		
EX, EXIST	EXISTING	SF, SQ FT	SQUARE FEET
EA	EACH	SG	SUPPLY GRILLE
EER	ENERGY EFFICIENCY RATIO	SHT	SHEET
EF	EXHAUST FAN	SO	SCREENED OPENING
EFF	EFFICIENCY	SP	STATIC PRESSURE
ELECT	ELECTRICAL	SPEC(S)	SPECIFICATIONS
ELEV	ELEVATION	SS	STAINLESS STEEL
ENCL	ENCLOSURE	ST	STEAM TRAP
ENT	ENTERING	SW	SWITCH
ESP	EXTERNAL STATIC PRESSURE	T	TANK
EVAP	EVAPORATOR, EVAPORATIVE	TA	TRANSFER AIR
°F	DEGREES FAHRENHEIT	TC	TOTAL CAPACITY
FD	FLOOR DRAIN	TDH	TOTAL DYNAMIC HEAD
FLA	FULL LOAD AMPS	TE	TOP ELEVATION
FLEX	FLEXIBLE	TEMP	TEMPERATURE
FPI	FINS PER INCH	TSP	TOTAL STATIC PRESSURE
FPM	FEET PER MINUTE	TYP	TYPICAL
FS	FLOOR SINK	UC	UNDER CUT
FT	FOOT	UG	UNDERGROUND
FV	FACE VELOCITY	UL	UNDERWRITER'S LABORATORY
GAL	GALLON	UON	UNLESS OTHERWISE NOTED
GPM	GALLONS PER MINUTE	UTR	UP THRU ROOF
H	HEIGHT	V	VOLTS
HC	HEATING COIL	VAV	VARIABLE AIR VOLUME
HP	HORSEPOWER	VEL	VELOCITY
HR	HOUR	VFD	VARIABLE FREQUENCY DRIVE
HTG	HEATING	VTR	VENT THRU ROOF
HVAC	HEATING, VENTILATING AND AIR CONDITIONING	W	WIDTH
		W/	WITH
HZ	HERTZ	WB	WET BULB TEMPERATURE
IN	INCH	WG	WATER GAUGE
KW	KILOWATT	WMS	WIRE MESH SCREEN
L	LENGTH	W/O	WITHOUT
LBS	POUNDS	WP	WEATHER PROOF
LD	LINEAR DIFFUSER	WT	WEIGHT
LRA	LOCKED ROTOR AMPERES	WTR	WATER

HVAC AIRSIDE LEGEND

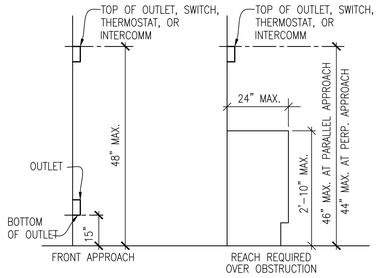
SYMBOL	FLOW ARROW	ABBREV.	DESCRIPTION
		SA	SUPPLY AIR
		RA	RETURN AIR
	EXH	EXH	EXHAUST AIR
	OSA	OSA	OUTSIDE AIR
	REL	REL	RELIEF AIR

SYMBOL				ABBREV.	DESCRIPTION
DOUBLE		SINGLE			
RECT	RND	RECT	RND		
WxH	Dø	WxH	Dø		DUCTWORK (FIRST DIMENSION IN SIZE FACES THE VIEWER)
					DUCT RISE OR TURN TOWARD VIEWER
					DUCT DROP OR TURN AWAY FROM VIEWER

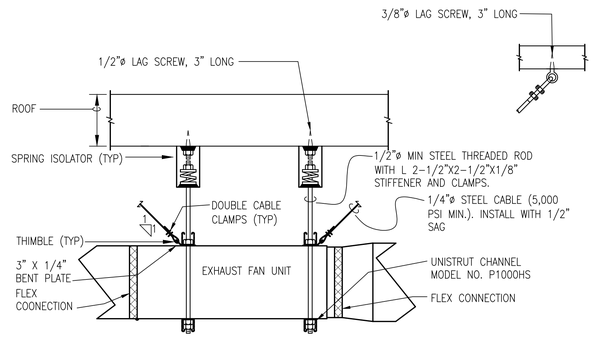
SYMBOL		ABBREV.	DESCRIPTION
DOUBLE	SINGLE		
		(E)	EXISTING DUCT, PIPE, OR EQUIPMENT
			EXISTING DUCT, PIPE, OR EQUIPMENT TO BE REMOVED
		(N)	NEW DUCT, PIPE, OR EQUIPMENT
WxH(L)	WxH(L)	(L)	LINED DUCT: L = 1-INCH, 2L = 2-INCH, 3L = 3-INCH, ETC.
			FLEXIBLE DUCT CONNECTION
			TRANSITION: RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND
			TRANSITION: RECTANGULAR TO ROUND
R	R		RISE IN DIRECTION OF AIRFLOW
D	D		DROP IN DIRECTION OF AIRFLOW
			MITERED ELBOW WITH TURNING VANES
			SMOOTH RADIUS ELBOW
			BRANCH DUCT PRESSURE TAP OR WYE BRANCH CONNECTION
			ROUND BRANCH DUCT CONICAL TAP
			FLEXIBLE DUCT TO CEILING DIFFUSER
BDD	BDD	BDD	BACKDRAFT DAMPER
FSD	FSD	FSD	COMBINATION FIRE/SMOKE DAMPER
		VD	MANUAL VOLUME DAMPER
MD	MD	MD	MODULATING DAMPER
SD	SD	SD	DUCT MOUNTED SMOKE DETECTOR PROVIDED UNDER ELECTRICAL
		H	DUCT MOUNTED HUMIDIFIER DISTRIBUTION TUBE OR HEADER
500	500		SIDE WALL GRILLE OF 500 CFM (FLOW ARROW INDICATES TYPE)
			CAPPED DUCTWORK

HVAC NOTATION LEGEND

SYMBOL	ABBREV.	DESCRIPTION
T	STAT	THERMOSTAT
T	TS	IN-DUCT TEMPERATURE SENSOR
H	HS	HUMIDITY SENSOR
H	STAT	IN-DUCT HUMIDITY SENSOR
S	SW	SWITCH
	POC	POINT OF CONNECTION
	POD	POINT OF DISCONNECT OR DEMOLITION
1		SHEET KEY NOTES DEMOLITION
1		SHEET KEY NOTES NEW WORK
ø	DIA	DIAMETER
3 / M6.1		DETAIL NUMBER, DETAIL SYMBOL, DRAWING NUMBER WHERE DETAIL IS SHOWN
AHU / 1		MECHANICAL EQUIPMENT ABBREVIATION, MECHANICAL EQUIPMENT SYMBOL, MECHANICAL EQUIPMENT NUMBER



THERMOSTAT, OUTLET OR SWITCH MOUNTING HEIGHTS — N.T.S. — 2



INLINE EXHAUST FAN SUPPORT — N.T.S. — 1

ANTELOPE VALLEY COMMUNITY COLLEGE DISTRICT
ANTELOPE VALLEY COLLEGE
3041000 20TH ST E. PALMDALE CA 93550

PALMDALE AIRPORT TERMINAL REMODEL

KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA
30 W. ARRELLAGA STREET SANTA BARBARA CA 93101
TELEPHONE (805) 963-1726 FAX (805) 963-2951

STEVE DOWTY, AIA
PRINCIPAL-IN-CHARGE

SHANNON BLOMST
PROJECT MANAGER

ARCHITECTS STAMP & SIGNATURE

ENGINEERS STAMP & SIGNATURE

LICENSED ARCHITECT STEVEN E. DOWTY No. C-11153 Ren. 11/17 STATE OF CALIFORNIA

CONSULTANT INFORMATION

16506

dHA + CALPEC

150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

REVISION	DESCRIPTION	DATE	BY
5	-	-/-/-	XX
4	-	-/-/-	XX
3	-	-/-/-	XX
2	-	-/-/-	XX
1	-	-/-/-	XX

DRAWN dHA+CALPEC
CHECKED KC
DATE 08/015/2016
JOB. NO. 16506

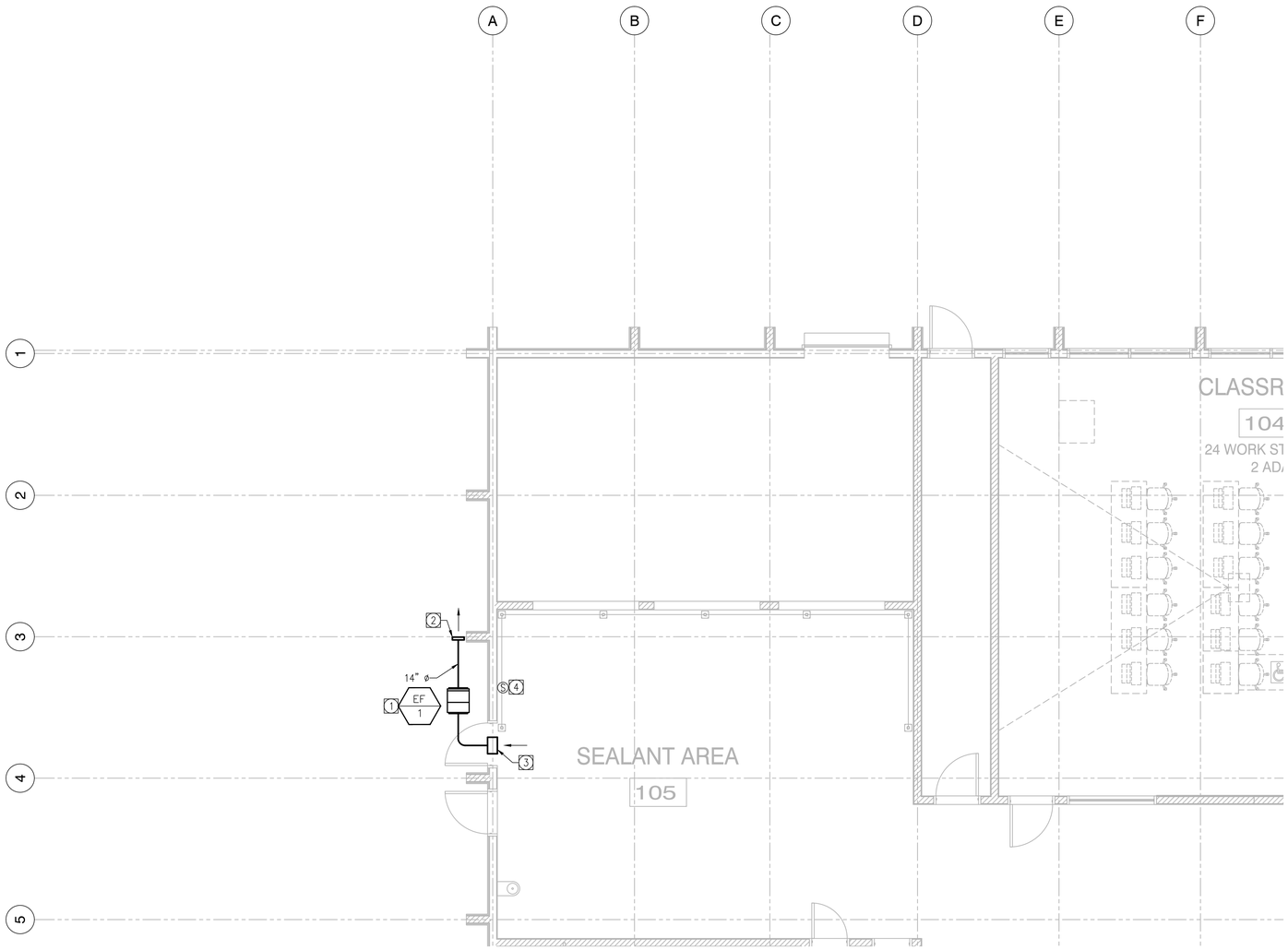
SHEET TITLE MECHANICAL LEGEND, ABBREVIATIONS & SCHEDULES

SHEET M-001

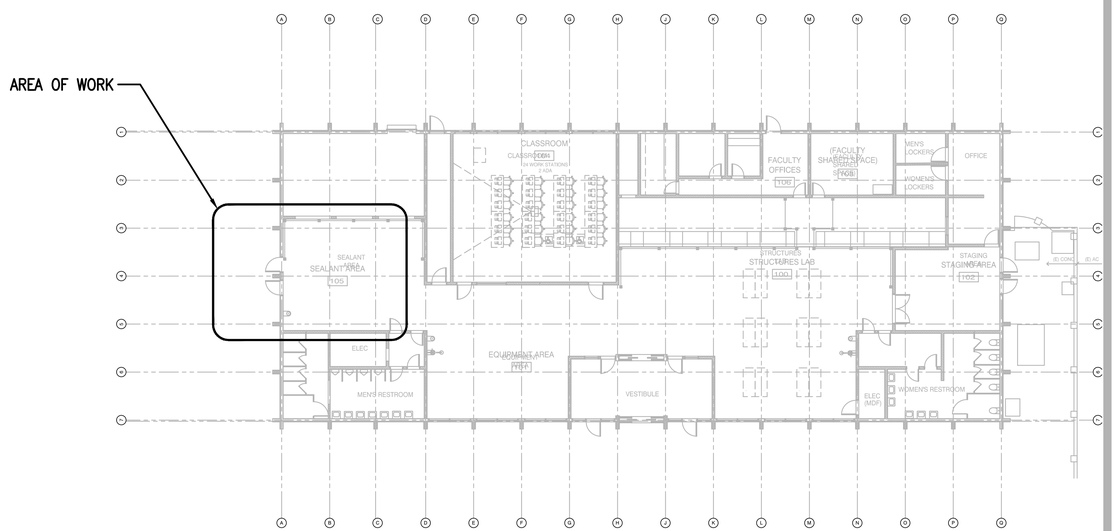
REFERENCE NOTES

1. PROVIDE NEW INLINE EXHAUST FAN MOUNTED ON THE EXTERIOR OF THE BUILDING.
2. EXHAUST DUCT WITH BIRD SCREEN. TERMINATE WITH 45 DEGREES.
3. PROVIDE 14"X12" SIDEWALL EXHAUST GRILLE. INSTALLED AT LEAST 8 FEET A.F.F.
4. EXHAUST FAN WALL ON/OFF SWITCH.

EXACT SIZE, ELEVATION, & LOCATION OF EXISTING SHALL BE FIELD VERIFIED.



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



KEY PLAN

ANTELOPE VALLEY COMMUNITY COLLEGE DISTRICT
ANTELOPE VALLEY COLLEGE
3041 W. AVENUE K PALMDALE CA 93550

PALMDALE AIRPORT TERMINAL REMODEL

KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA
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ENGINEER'S STAMP & SIGNATURE

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REVISION	DESCRIPTION	DATE	BY
5	-	-/-/-	XX
4	-	-/-/-	XX
3	-	-/-/-	XX
2	-	-/-/-	XX
1	-	-/-/-	XX

DRAWN	dHA+CALPEC
CHECKED	KC
DATE	11/07/2016
JOB. NO.	16506
SHEET TITLE	MECHANICAL FLOOR PLAN

SHEET
M-201

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	BRANCH CONNECTION: TRAP	WASTE	VENT	HW	CW	CARRIER	REMARKS
EEW 1	EMERGENCY EYE WASH	–	2	–	–	3/4"TW	–	"HAWS" MODEL 7360BTWC BARRIER FREE WALL MOUNTED EYE/FACE WASH.
TMV 1	THERMOSTATIC MIXING VALVE	–	–	–	3/4"CW / 3/4"HW	3/4"TW	–	"LEONARD" MODEL 170-LF-BRK LEAD FREE THERMOSTATIC POINT OF USE VALVE FOR EACH EEW-1 WITH MONTING BRACKET

AIR COMPRESSOR SCHEDULE (OWNER FURNISH & CONTRACTOR INSTALL)

SYMBOL	SERVICE	MANUFACTURER MODEL TYPE	ACFM @125 PSIG	ELECTRICAL REQUIREMENTS: HP	VOLTS	PHASE	HERTZ	OPERATING WEIGHT (LBS.)	LOCATION	REMARKS
CA 1	CLASSROOMS	GARDNER-DENVER ST-75 (ELECTRA SAVER II)	320 ACFM	75	460	3	60	3,200	YARD	CONTRACTOR SHALL PROVIDE & INSTALL GARDNER-DENVER OUTDOOR ENCLOSURE.

REFRIGERATED AIR DRYER

SYMBOL	SERVICE	MANUFACTURER MODEL TYPE	RATED FLOW	ELECTRICAL REQUIREMENTS: HP	VOLTS	PHASE	HERTZ	OPERATING WEIGHT (LBS.)	LOCATION	REMARKS
RAD 1	AIR COMPRESSOR	GARDNER-DENVER RNC-400A	400 SCFM @ 100 PSIG	1.5	208	3	60	850	YARD	REFRIGERATED AIR DRYER COMPLETE W/ AIR PRECOOLER-REHEATER, CRANKCASE HEATER, EXCHANGER,CYCLING REFRIGERATED CHILLER, INDEPENDENT HERMETIC NON-CYCLING COMPRESSOR, AIR COOLED CONDENSER & AUTO DRAIN.

OIL WATER SEPARATOR

SYMBOL	SERVICE	MANUFACTURER MODEL TYPE	ELECTRICAL REQUIREMENTS: VOLTS	PHASE	HERTZ	OPERATING WEIGHT (LBS.)	LOCATION	REMARKS
OWS 1	COMPRESSED AIR SYSTEM	NANO SEP900ST	–	–	–	150	YARD	PROVIDE 1-1/2" THICK FLEXIBLE FIBERGLASS BLANKET WITH ALUMINUM JACKET

STORAGE (RECEIVER) TANK SCHEDULE

SYMBOL	IDENTIFICATION	LOCATION	SERVICE	MFGR. & MODEL NO.	CAP.	HEIGHT X DIA. (IN.)	CONSTRUCTION	OPER. WEIGHT (LBS.)	REMARKS
ST 1	VERTICAL TANK	YARD	COMPRESSED AIR	MANCHESTER 302439	660 (GAL.)	125 X 42	GALVANIZED ASME LABEL 125	1,600	PROVIDE ONE COAT OF PRIMER AND ONE COAT OF AIR DRY ENAMEL.

SEISMIC BRACING NOTES

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2013 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 6 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 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 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 STRUCTURAL ENGINEER OF RECORD 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 13.6.8, 13.6.7, 13.6.5.6, AND 2013 CBC, SECTIONS 1616A.1.23, 1616A.1.24, 1616A1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPM#) AS MODIFIED TO SATISFY ANCHORAGE REQUIREMENTS OF ACI 318, APPENDIX D. MASON INDUSTRIES OPM-0043-13.

COPIES OF THE MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AND BRACING OF THE PIPE, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

GENERAL NOTES

A. GENERAL:

1. SCOPE OF THE PROJECT INCLUDES WORK SHOWN ON THE DRAWINGS AND IN THE SPECIFICATIONS.
2. WORK SHOWN ON THE DRAWINGS IS INCLUSIVE, WHETHER SHOWN AT EACH LOCATION OR NOT, AS LONG AS IT IS SHOWN IN ONE LOCATION ON THE DRAWINGS OR IN THE SPECIFICATIONS WORK SHALL BE PROVIDED.
3. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED WORK. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES.
4. THESE DRAWINGS ARE DIAGRAMMATIC. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY OF COORDINATION WITH VARIOUS TRADES AND INCLUDE TURNS, BENDS, ADDITIONAL LENGTHS OF PIPING AND ELEVATION CHANGES, AND TRANSITIONS WITHOUT ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR MUST EXAMINE CONSTRAINTS AND THE AVAILABLE SPACE AT THE JOB SITE THAT MAY REQUIRE CUSTOM FABRICATION OR DISASSEMBLY AND RE-ASSEMBLY OF CERTAIN EQUIPMENT.
6. PROTECT MATERIALS INCLUDING PIPES FROM DUST AND DEBRIS AND KEEP OPEN END OF PIPES COVERED UNTIL READY FOR INSTALLATION OF NEXT SEGMENT OF WORK.
7. WORK AND EXISTING CONDITIONS DAMAGED OR CUT INTO DURING CONSTRUCTION SHALL BE PATCHED, REPAIRED, PAINTED AND FINISHED TO MATCH ADJACENT SURFACES IN TEXTURE, COLOR, AND FINISH.
8. AT THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVER TO THE OWNER AND ARCHITECT COMPLETE AS-BUILT DRAWINGS SHOWING WORK AS ACTUALLY INSTALLED.
9. PLUMBING EQUIPMENT, MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2013 CALIFORNIA BUILDING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA ENERGY CODE, CALIFORNIA PLUMBING CODE AND CALIFORNIA FIRE CODE.
10. INSULATION SHALL COMPLY WITH THE REQUIREMENTS OF CALIFORNIA ENERGY CODE AND PROJECT SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
11. WORK TO BE INSTALLED OUTDOORS; INCLUDING, BUT NOT LIMITED TO; EQUIPMENT, PIPING, AND CONTROL DEVICES SHALL BE COMPLETELY WEATHERPROOFED.
12. PIPE PENETRATIONS, ROOF JACKS AND EQUIPMENT SUPPORT PADS SHALL BE COMPATIBLE WITH ROOFING SYSTEM. FLASH AND COUNTERFLASH WEATHER EXPOSED ROOF OPENINGS. REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED FLASHING DETAILS.
13. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH NEW OR EXISTING STRUCTURAL ELEMENTS SHALL BE DONE ONLY WHEN SO DETAILED ON THE STRUCTURAL DRAWINGS. COORDINATE EXACT LOCATION OF CORE DRILLING, CUTTING OF FLOOR SLAB, OR WALLS OF THE BUILDING WITH THE STRUCTURAL DRAWINGS. DO NOT CUT OR DRILL HOLES IN ANY STRUCTURAL ELEMENT WITHOUT APPROVAL OF THE ARCHITECT, AND APPROVAL FROM DSA.
14. CONDITIONS THAT, IN THE CONTRACTOR'S OPINION, PREVENT THE EXECUTION OF THE WORK AS INTENDED SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN THE FORM OF AN RFI BEFORE BEGINNING THE WORK IN QUESTION.
15. WORK PERFORMED UNDER THIS CONTRACT IS SUBJECT TO INSPECTION BY THE BUILDING OWNER, ARCHITECT, AND ENGINEER FOR CONFORMITY WITH EXISTING BUILDING SYSTEMS, QUALITY OF PRODUCTS AND INSTALLATION. CONTRACTOR SHALL NOT PERFORM WORK THAT MAY ADVERSELY AFFECT THE EXISTING BUILDING SYSTEMS OPERATION, EITHER DUE TO IMPROPER INSTALLATION, INADEQUATE COORDINATION OR POOR WORKMANSHIP. WORK INSPECTED AND FOUND UNACCEPTABLE BY THE OWNER, ARCHITECT SHALL BE PROMPTLY REPLACED OR CORRECTED AT NO ADDITIONAL COST.
16. FIELD OBSERVATION AND SUPPORT SERVICES PERFORMED BY THE ENGINEER PRIOR TO, DURING, OR AFTER CONSTRUCTION ARE FOR THE PURPOSE OF ACHIEVING QUALITY CONTROL AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
17. PLUMBING FIXTURES OR FITTINGS INTENDED TO DISPENSE WATER FOR HUMAN CONSUMPTION WHICH CONTAIN MORE THAN 25% LEAD ARE NOT PERMITTED TO BE SOLD OR INSTALLED ANYWHERE WITHIN THE STAT OF CALIFORNIA. THESE DEVICES SHALL BE LISTED TO ANNEX G OF NSF/ANSI 61-2008 OR OTHER APPROVED TESTING STANDARD. EVIDENCE OF COMPLIANCE SHALL BE PRESENTED TO THE BUILDING INSPECTOR PRIOR TO FINAL INSPECTION (AB1953).
18. SHUTDOWN OF UTILITIES REQUIRED TO PERFORM WORK SHALL BE COORDINATED WITH THE OWNER.

B. EQUIPMENT AND FIXTURES:

1. MANUFACTURERS AND MODEL NUMBERS SHOWN ON EQUIPMENT AND FIXTURES SCHEDULES HAVE BEEN UTILIZED FOR DESIGN. REFER TO SPECIFICATIONS FOR ALTERNATE MANUFACTURERS AND/OR EQUIVALENTS.
2. A MAINTENANCE LABEL SHALL BE AFFIXED TO PLUMBING EQUIPMENT AND A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE.
3. INSTALL EQUIPMENT IN ACCESSIBLE LOCATION AND PROVIDE ADEQUATE SERVICE CLEARANCE FOR NORMAL MAINTENANCE WITHOUT REQUIRING REMOVAL OF MECHANICAL, ARCHITECTURAL, ELECTRICAL OR STRUCTURAL ELEMENTS.
4. VERIFY ELECTRICAL CHARACTERISTICS WITH ELECTRICAL DRAWINGS PRIOR TO BID, MATERIAL PURCHASE, AND INSTALLATION.

C. PIPING:

1. PIPING PENETRATING SLAB TO SLAB PARTITIONS SHALL BE SEALED AIRTIGHT. A RESILIENT CAULKING AND PACKING SHALL BE USED. SEAL ALL OPENINGS AROUND PIPING PENETRATING FIRE RESISTIVE RATED WALLS AND FLOORS TO MAINTAIN RATING INTEGRITY.
2. PIPING SHALL BE TESTED PER REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
3. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
4. LOCATE VALVES IN EASILY ACCESSIBLE LOCATIONS.
5. PROVIDE ISOLATING VALVES AND UNIONS ON PIPING ADJACENT TO EQUIPMENT. LOCATE VALVES SO THE EQUIPMENT CAN BE REMOVED WITHOUT DISMANTLING BRANCH LINES.
6. BURRED ENDS OF PIPING AND TUBING SHALL BE REAMED TO THE FULL BORE OF THE PIPE OR TUBE AND CHIPS SHALL BE REMOVED PER CALIFORNIA PLUMBING CODE. ADDITIONALLY, TOOLS USED IN CUTTING OR REAMING SHALL BE KEPT FREE FROM OIL OR GREASE. WHERE SUCH CONTAMINATION HAS OCCURRED, THE AFFECTED SHALL BE REWORKED AND RINSED PER NFPA 56-F-5.1-1.
7. PIPING BELOW GRADE SHALL BE INSTALLED WITH NOT LESS THAN 24-INCH BETWEEN TOP OF PIPE AND FINISHED GRADE.
8. WASTE AND VENT PIPING SHALL BE INSTALLED AT 1/4-INCH PER FOOT (2%) SLOPE UNLESS OTHERWISE NOTED.
9. CONNECTIONS BETWEEN PIPING OF DISSIMILAR METALS SHALL BE MADE WITH BRASS UNIONS AND BRASS FLANGED FITTINGS.

PLUMBING ABBREVIATIONS

ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
A, AMPS	AMPERES	L	LENGTH
ABV	ABOVE	LAV	LAVATORY
AD	ACCESS DOOR	LBS	POUNDS
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AFG	ABOVE FINISHED GRADE	MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
AFS	AUTOMATIC FIRE SPRINKLER	MCA	MINIMUM CIRCUIT AMPACITY
AP	ACCESS PANEL	MFGR	MANUFACTURER
ARCH	ARCHITECTURAL	MIN	MINIMUM
AUTO	AUTOMATIC	MOCP	MAXIMUM OVERCURRENT PROTECTION
BEH	BEHIND	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
BEL	BELOW	NIC	NOT IN CONTRACT
BFG	BELOW FINISHED GRADE	NO.	NUMBER
BHP	BRAKE HORSEPOWER	OC	ON CENTER
BTUH	BRITISH THERMAL UNITS PER HOUR	OFCI	OWNER FURNISHED AND CONTRACTOR INSTALLED
C.C.	CENTER TO CENTER	OPNG	OPENING
CD	CONDENSATE DRAIN	OP, OPER	OPERATING
CFH	CUBIC FEET PER HOUR	PD	PRESSURE DROP
CLG	CEILING	PH	PHASE
COMP	COMPRESSOR	PIV	POST INDICATOR VALVE
CONC	CONCRETE	PR, PRESS	PRESSURE
CONN	CONNECTION	PSI	POUND PER SQUARE INCH
CP	CIRCULATING PUMP	QTY	QUANTITY
CTR	COUNTER	RPM	REVOLUTIONS PER MINUTE
CV	CHECK VALVE	SF, SQ FT	SQUARE FEET
D	DRAIN	SK	SINK
DF	DRINKING FOUNTAIN	SKT	SINK TRIM
DN	DOWN	SOV	SHUT-OFF VALVE
DWGS	DRAWINGS	SOV/AP	SHUT-OFF VALVE BEHIND ACCESS PANEL
EX, EXIST	EXISTING	SPEC(S)	SPECIFICATIONS
EA	EACH	SS	SERVICE SINK
ESEW	EMERGENCY SHOWER EYE WASH	SW	SWITCH
EWC	ELECTRIC WATER COOLER	T	TRANSFORMER
ELECT	ELECTRICAL	TMV	THERMOSTATIC MIXING VALVE
ELEV	ELEVATION	TP	TRAP PRIMER
ENCL	ENCLOSURE	TYP	TYPICAL
°F	DEGREES FAHRENHEIT	UG	UNDERGROUND
FD	FLOOR DRAIN	UL	UNDERWRITER'S LABORATORY
FDC	FIRE DEPARTMENT CONNECTION	UON	UNLESS OTHERWISE NOTED
FF	FINISHED FLOOR	UOS	UNDER OTHER SECTION OF SPECIFICATIONS
FLA	FULL LOAD AMPS	UR	URINAL
FLEX	FLEXIBLE	UTR	UP THRU ROOF
FLR	FLOOR	V	VOLTS
FR	FROM	VB	VACUUM BREAKER
FS	FLOOR SINK	VO	VENT OFFSET
FT	FOOT	VR	VENT RISER
FUT	FUTURE	W	WIDTH
FV	FLUSH VALVE	W/	WITH
GAL	GALLON	WC	WATER CLOSET
GC	GAS COCK	WCS	SECURITY WATER GAUGE
GV	GAS VALVE (TURRET)	WH	WATER HEATER
GSV	GAS SHUT-OFF VALVE	W/O	WITHOUT
GPF	GALLONS PER FLUSH	WP	WEATHER PROOF
GPM	GALLONS PER MINUTE	WT	WEIGHT
H	HEIGHT	WTR	WATER
HB	HOSE BIBB	YB	YARD BOX
HP	HORSEPOWER		
HR	HOUR		
HZ	HERTZ		
IN	INCH		
KW	KILOWATT		

PLUMBING NOTATION LEGEND

SYMBOL	ABBREV.	DESCRIPTION
	POC	POINT OF CONNECTION
	POD	POINT OF DISCONNECT OR DEMOLITION
1		SHEET KEY NOTES DEMOLITION
1		SHEET KEY NOTES NEW WORK
ø	DIA	DIAMETER
3 / P6.1		DETAIL NUMBER
		DETAIL SYMBOL
		DRAWING NUMBER WHERE DETAIL IS SHOWN
SK / 1		PLUMBING EQUIPMENT OR FIXTURE ABBREVIATION
		PLUMBING EQUIPMENT OR FIXTURE SYMBOL
		PLUMBING EQUIPMENT OR FIXTURE NUMBER

PIPING MATERIAL SPECIFICATIONS

PIPING SYSTEMS

1. 2 TO 6 INCH SEWER, WASTE AND VENT PIPING BELOW GROUND: HUB AND SPIGOT CAST IRON SOIL PIPE, HUB AND SPIGOT CAST IRON SOIL PIPE FITTINGS NEOPRENE RUBBER GASKETS AND COMPRESSION FITTINGS.
2. 2 TO 4 INCH SEWER, WASTE AND VENT PIPING ABOVE GROUND: HUBLESS CAST IRON SOIL PIPE, HUBLESS CAST IRON SOIL PIPE FITTINGS, CISPI-TYPE COUPLINGS FOR HUBLESS CAST IRON SOIL PIPE AND FITTINGS AND HUBLESS JOINTS.
3. WATER DISTRIBUTION, COMPRESSED AIR AND CONDENSATE PIPING ABOVE GRADE OR SLAB. (COMPLY WITH CPC 609.3.2)
   - A. 4 TO 6 INCH: HARD COPPER TUBE TYPE "L"; WROT COPPER AND BRONZE GROOVED END, COPPER TUBE AND GROOVED END, COPPER FITTINGS AND GROOVED COPPER TUBE AND GROOVED TUBE FITTINGS JOINTS.
   - B. HOT WATER, HOT WATER RETURN AND TEMPERED WATER SHALL BE INSULATED AS REQUIRED. ALL CONDENSATE AND INDIRECT DRAIN PIPING WHEN LOCATED ABOVE CEILING SHALL BE INSULATED.
   - C. 3 INCH AND SMALLER: HARD COPPER TUBE "L"; WROT COPPER OR CAST COPPER ALLOY PRESSURE FITTINGS; COPPER UNIONS; BRONZE FLANGES; AND SOLDER JOINTS WITH ALLOY NO LEAD CITY OF L.A. APPROVED.

PLUMBING SYMBOL LEGEND

SYMBOL	ABBREV.	DESCRIPTION
(E)XX	(E)	EXISTING TO REMAIN (XX INDICATES FLUID ABBREVIATION, REFER TO PLUMBING PIPE TYPE LEGEND)
(E)XX		EXISTING TO BE REMOVED (XX INDICATES FLUID ABBREVIATION, REFER TO PLUMBING PIPE TYPE LEGEND)
XX	(N)	NEW WORK (XX INDICATES FLUID ABBREVIATION, REFER TO PLUMBING PIPE TYPE LEGEND)
		FLOW IN DIRECTION OF ARROW
		PIPE ELBOW DOWN OR AWAY FROM VIEWER
		PIPE ELBOW UP OR TOWARD VIEWER
		PIPE TEE DOWN OR AWAY FROM VIEWER
		PIPE TEE UP OR TOWARD VIEWER
		ANCHOR
BFP	BFP	BACKFLOW PRENVENTOR (REFER TO DRAWINGS FOR TYPE)
	SOV	BALL VALVE OR SHUT OFF VALVE
		BUTTERFLY VALVE
	CBV	CALIBRATED BALANCE VALVE
		CAPPED PIPE END
		CHECK VALVE
FCO	FCO	CLEAN-OUT (FLOOR)
COYB OR COTG	COTG / COYB	CLEAN-OUT IN YARD BOX OR CLEAN-OUT TO GRADE
WCO	WCO	CLEAN-OUT (WALL)
CO	CO	CLEAN-OUT
		CONCENTRIC REDUCER
	EJ	EXPANSION JOINT
		FLANGE
		FLEXIBLE PIPING CONNECTION
	SOV	GATE VALVE OR SHUT OFF VALVE
		GLOBE VALVE
		PIPE SUPPORT
		PLUG VALVE
PT		PRESSURE AND TEMPERATURE TEST PORT
	PG	PRESSURE GAUGE
	PRV	PRESSURE REGULATING VALVE
PRV		PRESSURE RELIEF VALVE
P&TR	P&TR	PRESSURE AND TEMPERATURE RELIEF VALVE
		PUMP
		SOLENOID VALVE
		STRAINER
		THERMOMETER IN PIPING
		UNION
		VALVE IN PIPE RISER DOWN OR AWAY FROM VIEWER
	VTR	VENT THROUGH ROOF
	WHA	WATER HAMMER ARRESTOR (LOCATE BEHIND ACCESS PANEL)
	BLV	BALANCING VALVE
	W	WASTE PIPING
	W	WASTE PIPING BELOW FLOOR OR GRADE
	V	VENT PIPING
CW	CW	POTABLE COLD PIPING
CW	CW	POTABLE COLD WATER PIPING BELOW FLOOR OR GRADE
	HW	POTABLE HOT WATER PIPING (ABOVE 110°F)
HW	HW	POTABLE HOT WATER PIPING BELOW FLOOR OR GRADE
	HWR	POTABLE HOT WATER RETURN PIPING
HWR	HWR	POTABLE HOT WATER RETURN PIPING BELOW FLOOR OR GRADE
TP	TP	TRAP PRIMER WATER SUPPLY PIPING BELOW FLOOR OR GRADE
TW	TW	POTABLE TEMPERED WATER (85°F TO 110°F)
D	D	DRAIN PIPE

ANTELOPE VALLEY COMMUNITY COLLEGE DISTRICT
ANTELOPE VALLEY COLLEGE
41000 20TH ST E. PALMDALE,CA 93550

PALMDALE AIRPORT TERMINAL REMODEL

KRUGER BENSEN ZIEMER ARCHITECTS, INC. AIA
30 W. ARRELLAGA STREET SANTA BARBARA CA 93101
TELEPHONE (805) 963-1726 FAX (805) 963-2951

STEVE DOWTY, AIA
PRINCIPAL-IN-CHARGE

SHANNON BLOMST
PROJECT MANAGER

ARCHITECT'S STAMP & SIGNATURE — ENGINEER'S STAMP & SIGNATURE

LICENSED ARCHITECT STEVEN E. DOWTY No. C-11153 Ren. 11/17 STATE OF CALIFORNIA

CONSULTANT INFORMATION

16506
dHA + CALPEC
150 S. ARROYO PARKWAY
SUITE NO. 100
PASADENA, CA. 91105
TEL: (626) 445-8580
FAX: (626) 445-8081

REVISION	DESCRIPTION	DATE	BY
5	-	-/-/-	XX
4	-	-/-/-	XX
3	-	-/-/-	XX
2	-	-/-/-	XX
1	-	-/-/-	XX

DRAWN dHA+CALPEC
CHECKED KC
DATE 11/07/2016
JOB. NO. 16506

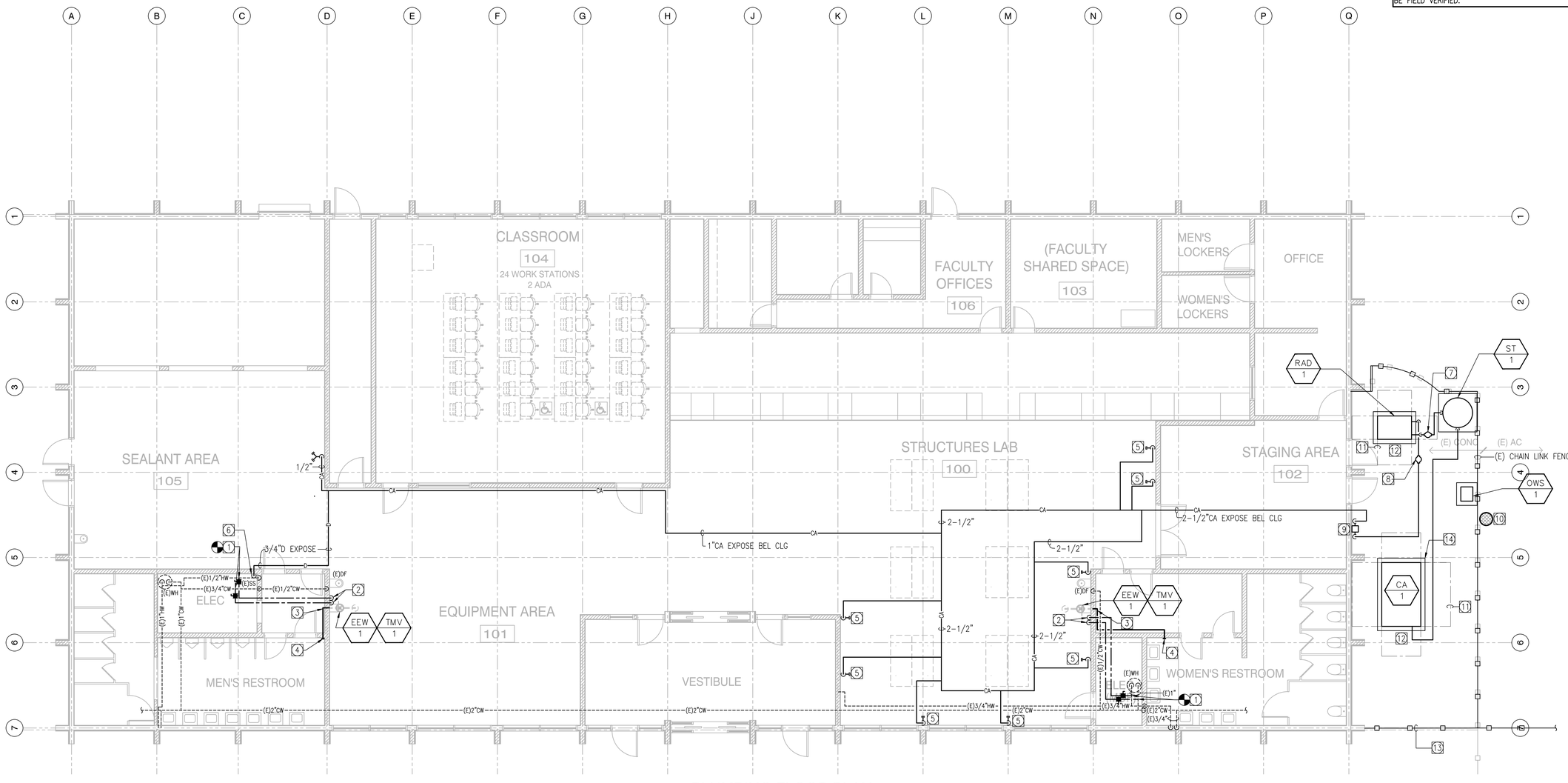
SHEET TITLE ———

SHEET P-001

REFERENCE NOTES

1. POC 3/4"CW & 3/4"HW TO (E)CW & (E)HW W/SOV.
2. 3/4"CW & 3/4"HW DN AND EXPOSE TO TMV-1.
3. 2"W FR EEW-1 EXPOSE ON THE WALL.
4. 2"W THRU WALL & SPILL TO FINISH FLOOR.
5. 1"CA DN WITH APPROVED QUICK CONNECT AT 48" HEIGHT (CENTER LINE) FROM THE FINISH FLOOR.
6. 3/4"D DN TO (E)SS.
7. F-1: "GARDNER-DENVER" MODEL NO. FIL26E23DG, COALESCING PR-FILTER.
8. F-2: "GARDNER-DENVER" MODEL NO. FIL26G23DG, VAPOR AFTER-FILTER.
9. FLOW CONTROLLER.
10. DRYWELL
11. EQUIPMENT CLEARANCE (TYP.)
12. FRONT CONTROL PANEL.
13. NEW CHAIN LINK FENCE, REFER TO ARCHITECTURAL DRAWINGS.
14. CONCRETE PAD (TYP.) SEE STRUCTURAL DRAWINGS FOR SUPPORT AND ATTACHMENT DETAILS.
15. REFER TO DETAIL 1/P-501 FOR COMPRESSED AIR AND CONDENSATE DRAIN PIPING DIAGRAM.

EXACT SIZE, ELEVATION, & LOCATION OF EXISTING SHALL BE FIELD VERIFIED.



1 PLUMBING FLOOR PLAN

SCALE : 3/32" = 1'-0"

ANTELOPE VALLEY COMMUNITY COLLEGE DISTRICT

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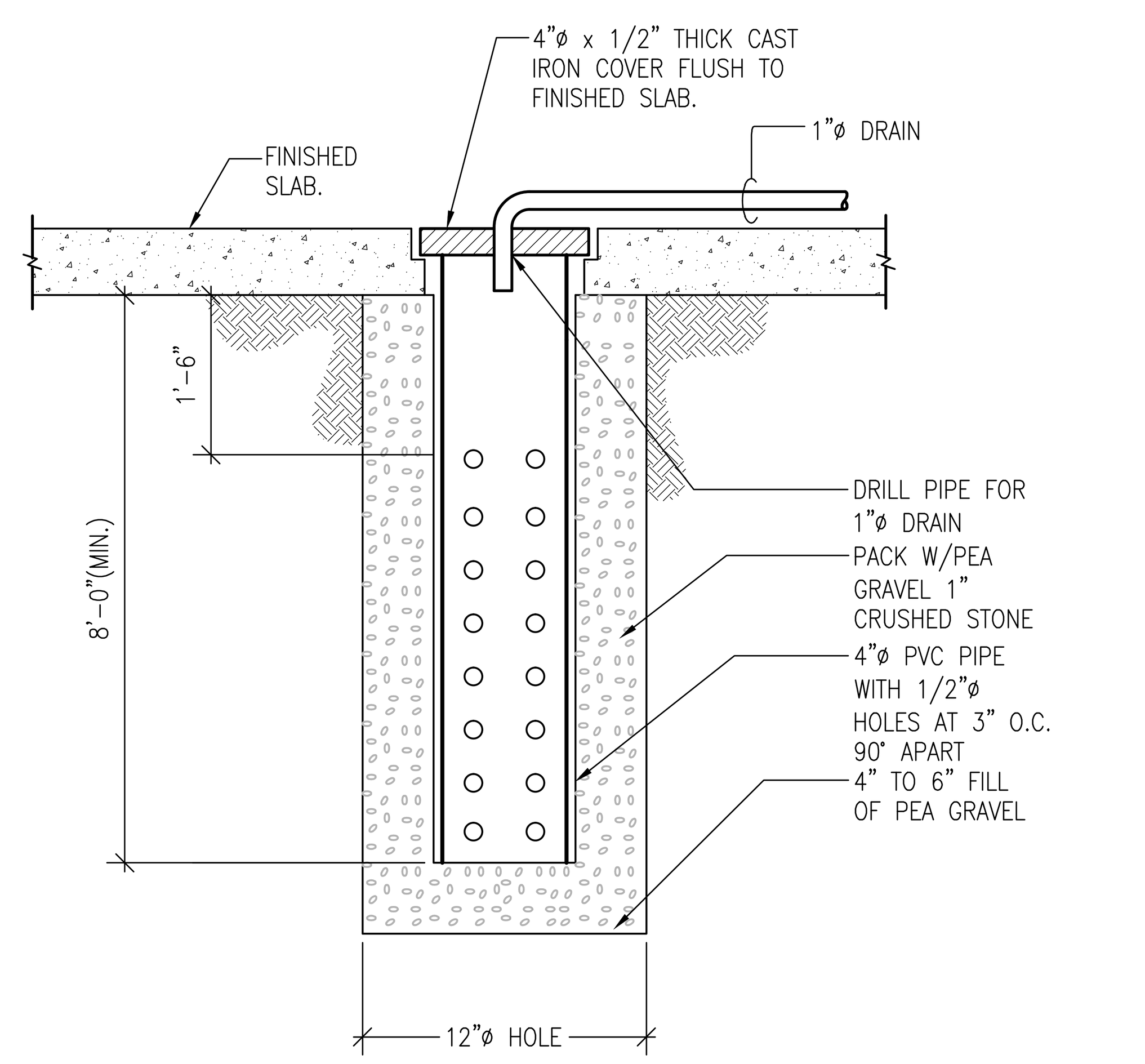
JOB. NO. 16506

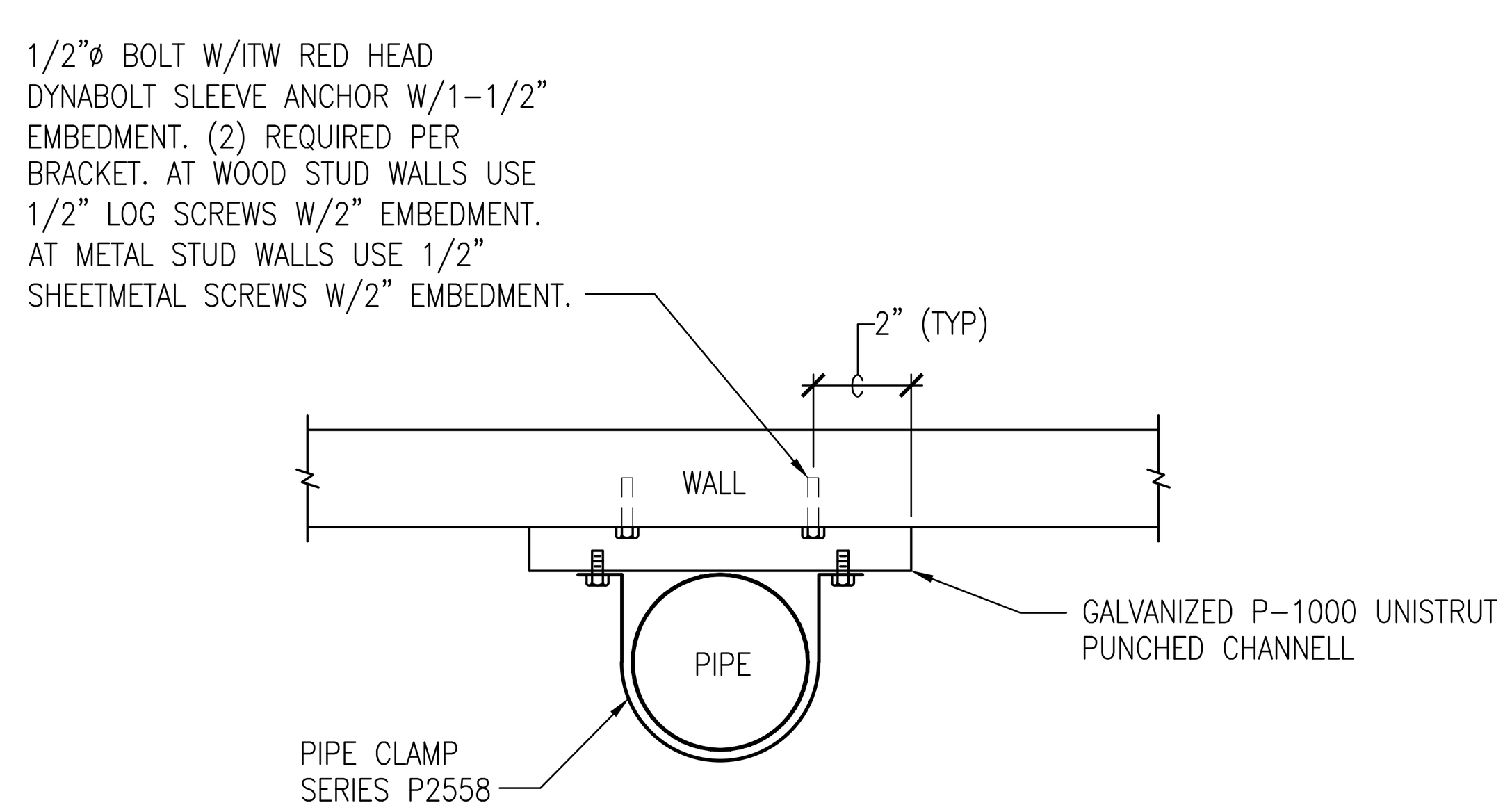
SHEET TITLE PLUMBING FLOOR PLAN

SHEET

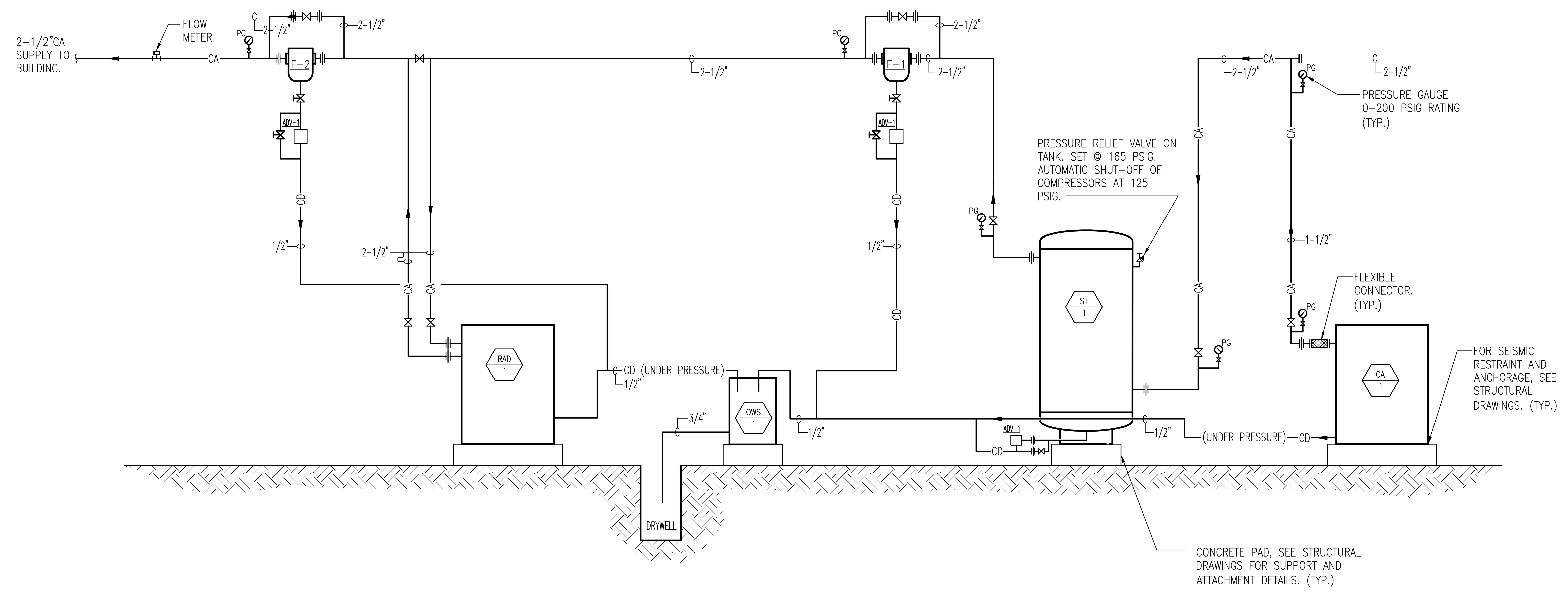
P-201



DRYWELL
N.T.S. 4



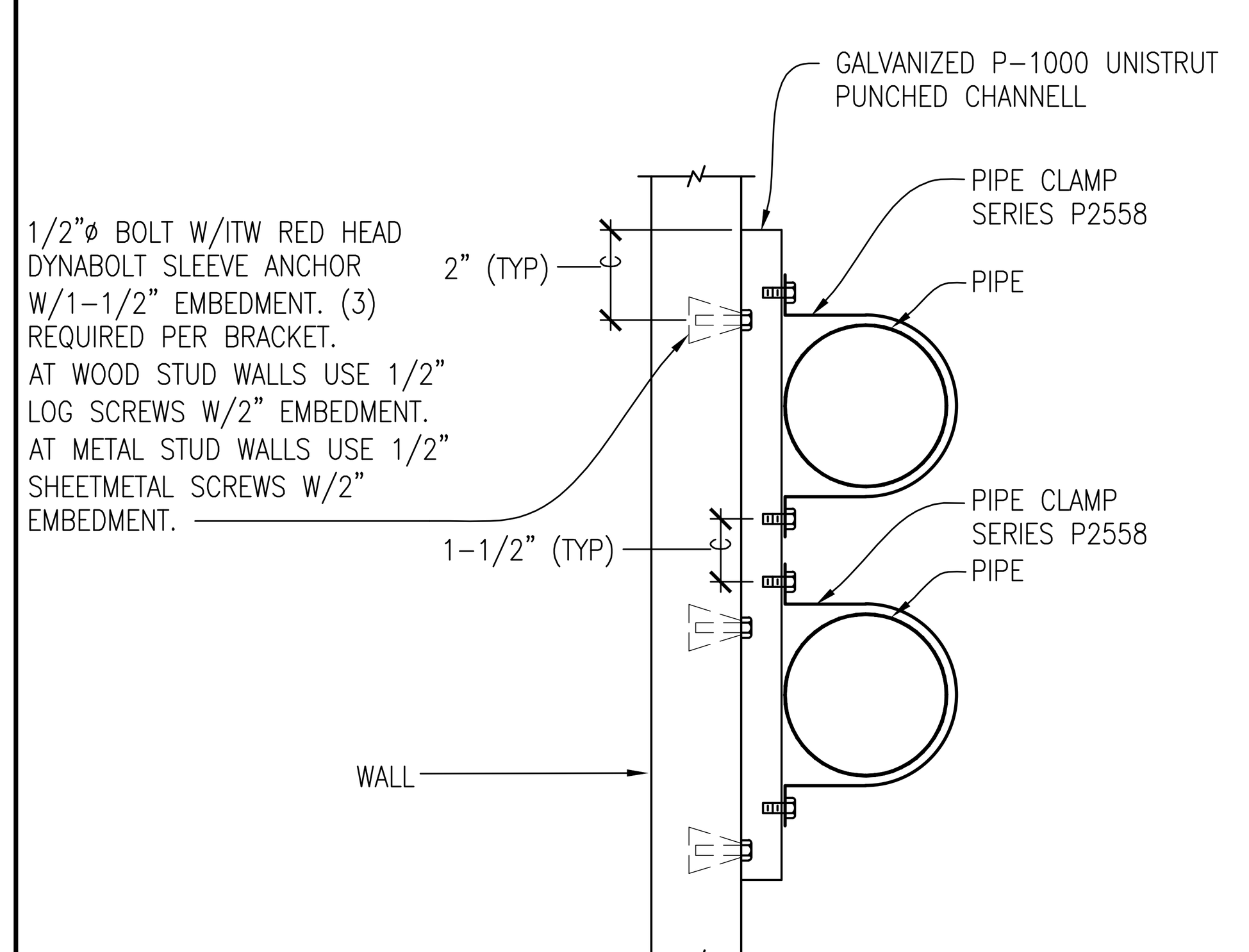
PIPE SUPPORT DETAIL
N.T.S. 5

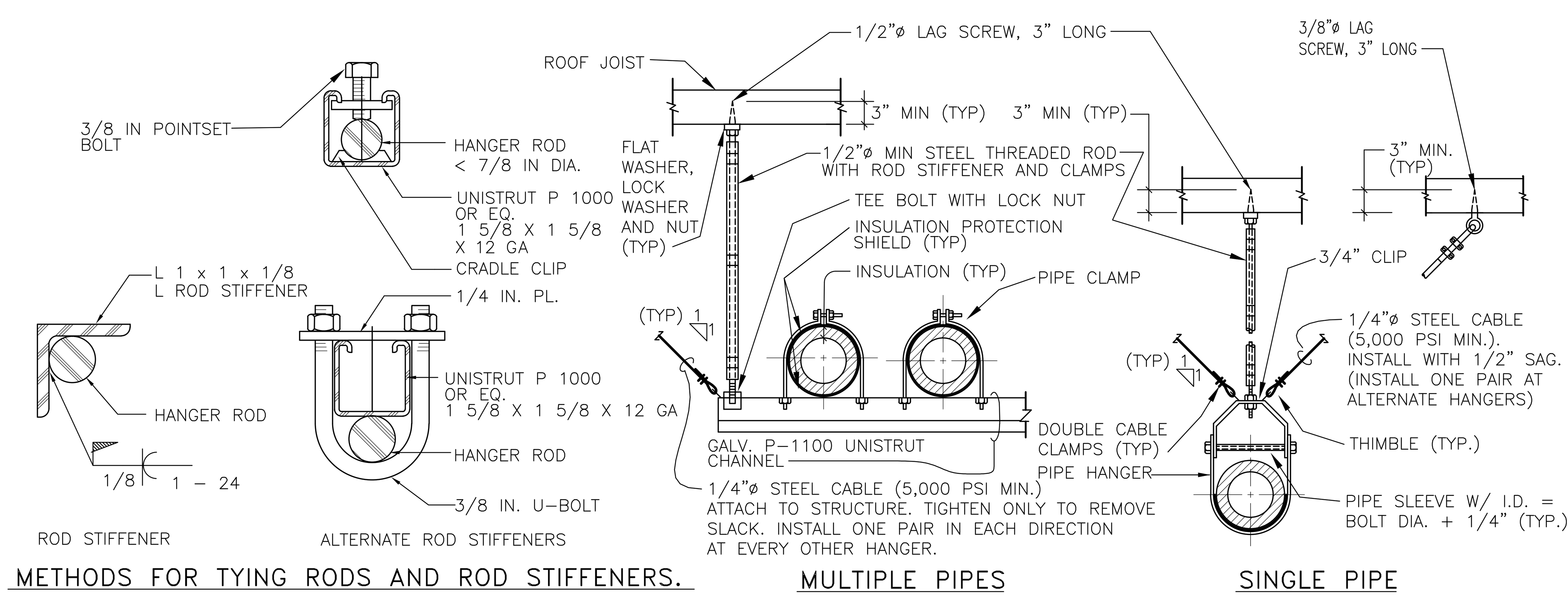


NOTES:

1. PIPING ON THIS DETAIL AND ON FLOOR PLANS IS DIAGRAMMATIC. CONTRACTOR SHALL OPTIMIZE LAYOUT OF PIPING BASED ON FIELD CONDITIONS TO PROVIDE THE MOST DIRECT PATH WITH THE LEAST USE OF PIPING, ELBOWS, FITTINGS, ETC.
2. ADV-1 MEANS AUTOMATIC DRAIN VALVE.
3. PROVIDE AUTO DRAIN VALVE BY-PASS LINE WITH MANUAL DRAIN VALVE.

PIPING DIAGRAM – AIR COMPRESSOR, REFRIGERATED AIR DRYER & STORAGE TANK
N.T.S. 1





NOTES:
1. COORDINATE PIPE SUPPORT SYSTEM WITH STRUCTURAL (REFER TO STEEL DECK NOTES, NOTE #9, ON THE STRUCTURAL DRAWINGS).
2. SEE SEISMIC RESTRAINT MANUAL GUIDELINES FOR MECHANICAL SYSTEMS FOR OTHER HANGER ROD AND BRACING INFORMATION.

N.T.S. 6

STACK PIPES HORIZONTALLY DETAIL
N.T.S. 3

PIPE SUPPORT DETAIL
N.T.S. 2

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CHECKED KC
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JOB. NO. 16506

SHEET TITLE PLUMBING DETAILS

SHEET
P-501

DEMOLITION & ALTERATION NOTES

1. CONTRACTOR SHALL VISIT THE SITE AND MAKE HIMSELF THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS.
2. ALL WORK SHALL BE PERFORMED TO CHANGE THE EXISTING ELECTRICAL INSTALLATION AS INDICATED OR AS REQUIRED TO PERFORM THE NEW WORK.
3. REMOVE ALL LIGHT FIXTURES, SWITCHES, SPEAKERS, TELEPHONE OUTLETS, RECEPTACLES, MISCELLANEOUS CONDUIT, WIRE, ETC. THAT INTERFERES WITH NEW CONSTRUCTION. EXTEND ANY INTERRUPTED CIRCUITS. PROVIDE BLANK COVER PLATES AS REQUIRED IN FINISHED AREAS, COVER PLATES SHALL MATCH THE WALL SURFACE.
4. INFORMATION GIVEN ON THE DRAWINGS ABOUT EXISTING INSTALLATIONS HAS BEEN OBTAINED FROM THE BEST SOURCES AVAILABLE BUT CANNOT BE GUARANTEED ACCURATE IN ALL RESPECTS. VERIFY ALL SUCH INFORMATION BEFORE PROCEEDING WITH ANY NEW WORK THAT MAY BE AFFECTED. INCLUDE AS A PART OF THE CONTRACT ALL WORK REQUIRED TO PRODUCE THE INDICATED RESULT.
5. EXCEPT AS MAY BE SPECIFICALLY INDICATED OTHERWISE, ALL ELECTRICAL MATERIALS AND EQUIPMENT REMOVED FROM THE EXISTING INSTALLATION IN THE COURSE OF PERFORMING THE INDICATED WORK AND NOT INDICATED TO BE REUSED SHALL BE TREATED AS FOLLOWS:
   - A. ALL CONDUITS, CONDUCTORS, OUTLET BOXES AND FITTINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.
   - B. ALL OTHER REMOVED ITEMS SHALL BE TURNED OVER TO THE OWNER AND DISPOSED OF AS DIRECTED BY THE OWNER.
6. CLEAN ALL REMOVED ITEMS THAT ARE TO BE REUSED, CONDUITS THAT ARE TO BE REUSED SHALL BE CLEANED BEFORE INSTALLING ANY NEW CONDUCTORS. WHERE A CHOICE IS POSSIBLE, SELECT THE BEST OF THE REMOVED ITEMS FOR REUSE.
7. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL EXISTING WIRING, CONDUITS, JUNCTION BOXES AND OTHER ELECTRICAL DEVICES IN AREAS WHERE NEW WORK OCCURS, SHALL BE REMOVED EXCEPT WHEN SUCH DEVICES ARE REQUIRED TO MAINTAIN SERVICES TO OTHER AREAS. IN SUCH CASES, CONTRACTOR SHALL RELOCATE THESE DEVICES WHERE REQUIRED TO ACCOMMODATE NEW WORK. CONTRACTOR MAY ABANDON IN PLACE ANY OF THE EXISTING ITEMS WHEN SUCH ITEMS ARE CONCEALED AND DO NOT INTERFERE WITH THE NEW WORK OF ALL TRADES.
8. NUMBER OF CONDUCTORS SHOWN ON EXISTING CONDUITS REPRESENT THOSE REQUIRED TO PERFORM THE WORK. WHEN NUMBER OF EXISTING IS INADEQUATE, CONTRACTOR SHALL PROVIDE ADDITIONAL WIRES AND ALL NECESSARY WORK AND ACCESSORIES REQUIRED TO CONFORM TO THE NUMBER OF CONDUCTORS SHOWN ON THE DRAWINGS. ALL EXTRA EXISTING WIRES SHALL BE TAPED, COILED AND TAGGED AS "NOT-USED" AT BOTH ENDS IN JUNCTION BOXES. CONTRACTOR SHALL EXAMINE AND REPLACE ALL EXISTING WIRES IN BAD CONDITION WITH EQUIVALENT NEW ONES.
9. ALL EXISTING CEILING MOUNTED PAGING SPEAKER (SHOWN SQUARE WITH "SP" SYMBOL ON THE PLAN) ON DEMOLISHED AREA SHALL BE RELOCATED TO THE NEW CEILING, MAINTAIN THE EXISTING CONNECTION (EXTEND WIRING IF REQUIRED) FOR PROPER FUNCTION, FIELD COORDINATE EXACT LOCATION ON SITE.
10. EXISTING FIRE ALARM DEVICE IN THE DEMOLISHED AREA SHALL BE PROTECTED AND RELOCATED TO THE NEW FINISHED WALL OR CEILING, COORDINATE WITH BUILDING FIRE ALARM CONTRACTOR FOR PREVENTING NUISANCE OR FALSE ALARM DURING THE CONSTRUCTION.

DEMOLITION AND REMODEL SYMBOLS

THE FOLLOWING LETTER DESIGNATIONS SHOWN ON DEMOLITION/ REMODEL PLANS ADJACENT TO LIGHT FIXTURES, RECEPTACLES, TELEPHONE AND DATA OUTLETS, EQUIPMENT, ETC. DENOTE:

(E)	WHEN SHOWN ADJACENT TO LIGHTING FIXTURE, OUTLETS, PANELS, IN CONDUIT RUNS, ETC., DENOTES EXISTING TO REMAIN.
(R)	WHEN SHOWN ADJACENT TO ELECTRICAL EQUIPMENT DENOTES DISCONNECT AND REMOVE EQUIPMENT WITH ASSOCIATED CONDUIT AND WIRING U.O.N.
(ER)	WHEN SHOWN ADJACENT TO LIGHTING FIXTURE, OUTLETS, PANELS, IN CONDUIT RUNS, ETC., DENOTES EXISTING TO BE RELOCATED.
(RE)	WHEN SHOWN ADJACENT TO LIGHTING FIXTURE, OUTLETS, PANELS, IN CONDUIT RUNS, ETC., DENOTES RELOCATED EXISTING AT NEW LOCATION.

ABBREVIATIONS

A	AMPERES.
A/C	AIR CONDITIONING.
AFF	ABOVE FINISHED FLOOR.
AFG	ABOVE FINISHED GRADE.
AIC	AMPERES INTERRUPTING CAPACITY
AL	ALUMINUM
ARCH	ARCHITECTURAL
ATS	AUTOMATIC TRANSFER SWITCH
BKBD	BACKBOARD.
C	CONDUIT WITH WIRES.
CATV	CABLE TELEVISION
C/B	CIRCUIT BREAKER.
CKT	CIRCUIT.
CLG	CEILING.
CO	CONDUIT ONLY WITH PULL WIRE.
CU	COPPER
DE	DUAL ELEMENT FUSES.
DISC	DISCONNECT.
DIST	DISTRIBUTION.
DWG	DRAWING.
EA	EACH.
EG	EQUIPMENT/GREEN GROUND
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL.
EM	EMERGENCY
EMT	ELECTRICAL METALLIC
EQUIP	EQUIPMENT.
EXIST	EXISTING.
F	FUSE.
FA	FIRE ALARM
FIXT	FIXTURE.
FLUOR	FLUORESCENT.
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER.
GND	GROUND.
HOA	HAND-OFF-AUTOMATIC.
HP	HORSEPOWER.
Isc	SHORT CIRCUIT CURRENT
IC	INTERCOM.
J	JUNCTION.
LCL	LONG CONTINUOUS LOAD.
LTG	LIGHTING.
MAX	MAXIMUM.
MIN	MINIMUM.
MTG	MOUNTING.
NF	NON-FUSED.
NIC	NOT IN CONTRACT.
NL	NIGHT LIGHT.
NTS	NOT TO SCALE.
P	POLE.
PA	PUBLIC ADDRESS.
PB	PULL BOX.
PC	PHOTO CELL
PH	PHASE
PNL	PANEL.
PWR	POWER.
RECEPT	RECEPTACLE
REQ'D	REQUIRED.
RM	ROOM
SC	SEPARATE CIRCUIT
SHT	SHEET.
SPST	SINGLE POLE, SINGLE THROW.
SURF	SURFACE.
SW	SWITCH.
SWGR	SWITCHGEAR
TC	TIME CLOCK.
TERM	TERMINAL.
TEL	TELEPHONE
TV	TELEVISION.
TYP	TYPICAL.
UG	UNDERGROUND.
UGPS	UNDERGROUND PULL SECTION
UON	UNLESS OTHERWISE NOTED.
V	VOLTS.
W/	WITH.
WCR	WITHSTAND AND CLOSING RATING
WP	WEATHERPROOF.
XFMR	TRANSFORMER
4/S	JUNCTION BOX 4" SQUARE.
5/S	JUNCTION BOX 4-11/16".

SYMBOL LIST

GENERAL:

- OCCUPANCY SENSOR CONTROLLED/SWITCHED SPLIT DUPLEX CONVENIENCE RECEPTACLE NEMA 5-20R +15" AFF FOR WALL MOUNTED) (U.O.N).
- (1) NEMA 5-20R DUPLEX (DECORA STYLE) CONSTANT ON AND (1) OCCUPANCY SENSOR CONTROLLED/SWITCHED SPLIT DOUBLE DUPLEX CONVENIENCE RECEPTACLE NEMA 5-20R. (+15" AFF FOR WALL MOUNTED) (U.O.N).
- CONVENIENCE WALL ELECTRICAL OUTLET NEMA 5-20R, DECORA STYLE. (+15" AFF FOR WALL MOUNTED) (U.O.N).
- RR — RECEPTACLE RATED SWITCH/POWER PACK, LOCATED IN CEILING SPACE. FOR CONTROLLED RECEPTACLE CIRCUIT.
- DOUBLE DUPLEX CONVENIENCE OUTLET +18" A.F.F., U.O.N..
- GFI — GFI DUPLEX RECEPTACLE 20AMP, 120 VOLT, 42"A.F.F. (IF MOUNTED ADJACENT TO SINK ABOVE COUNTER), U.O.N.
- U — DUPLEX NEMA 5-15R WITH (2) 3A USB POWER RECEPTACLE.
- SPECIAL RECEPTACLE. NEMA CONFIGURATION AS NOTED.
- SINGLE RECEPTACLE OUTLET, 20A. 120VOLT. +18" A.F.F., U.O.N.
- AC-1 T — THERMOSTAT OUTLET AT +4'-0" WITH SINGLE GANG RING. (SUBSCRIPT INDICATES A/C UNIT CONTROLLED).
- J — JUNCTION BOX.
- J — JUNCTION BOX WALL MOUNTED.
- J — JUNCTION BOX MOUNTED ON CONDUIT STUB +8" A.F.F., U.O.N..
- T — BY-PASS TIMER 0-6 HOUR - MARKTIME #9007 AT +4'-0" (MOUNT ADJACENT TO THERMOSTAT).
- MOTOR CONNECTION.
- S_M^2 — MANUAL MOTOR STARTER WITH, 277V-2POLES SIMILAR TO SQUARE D, CLASS 2510, TYPE FG2P.
- "1" ⊠ — MAGNETIC MOTOR STARTER. NEMA SIZE AS INDICATED.
- "1" 30A ⊠ — COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT SWITCH, SIZE AS INDICATED.
- DISCONNECT SWITCH, 30 AMP, 3 POLE, NON-FUSED U.O.N..
- 60A 50A — DISCONNECT SWITCH, 60 AMP, 3 POLE WITH 50 AMP FUSES.
- TERMINAL CABINET AS NOTED.
- SURFACE MOUNTED LIGHTING AND RECEPTACLE PANELBOARD.
- FLUSH MOUNTED LIGHTING AND RECEPTACLE PANELBOARD.
- ▨ — SWITCHBOARD OR POWER PANELBOARD.
- PUSH-BUTTON, +48" A.F.F., U.O.N..
- CONNECTION TO EQUIPMENT.
- T — TRANSFORMER.
- 2LA — PANEL, SWITCHBOARD, TRANSFORMER OR TERMINAL CABINET DESIGNATION.
- 2 — REFERENCE NOTE.
- ☐ — ELECTRICAL DEVICE AS NOTED (I.E. RELAY, TIME CLOCK).
- FLUSH FLOOR COUPLING.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR SLAB OR UNDERGROUND.
- EXPOSED CONDUIT.
- CONDUIT TURNING UP. — CONDUIT TURNING DOWN.
- 3/4"C.-2#12&1#12EG — 3/4"C.-5#12&1#12EG
- 3/4"C.-3#12&1#12EG — 3/4"C.-6#12&1#12EG
- 3/4"C.-4#12&1#12EG — 3/4"C.-7#12&1#12EG
- #6 — CONDUCTORS OTHER THAN #12 AWG AS INDICATED (3#6 AWG & 1#6 EG) SIZE CONDUIT PER APPLICABLE CODES.
- 2LA-1&3&5 — HOMERUN TO PANEL "2LA" CIRCUITS 1,3,5, 3#12 & 1#12EG (3-POLE CIRCUIT BREAKER).
- 2LA-2,4,6 — HOMERUN TO PANEL "2LA" CIRCUITS 2,4,6 WITH COMMON NEUTRAL, 4#12 & 1#12EG (3 SINGLE POLE BREAKERS)
- 2LA-1,3,5,7 — HOMERUN TO PANEL "2LA" CIRCUITS 1,3,5,7 WITH COMMON NEUTRALS, 4#10 & 2#12EG (4 SINGLE POLE BREAKERS)
- CONDUIT STUB WITH CAP. (WITH POLY-PROPYLENE PULL WIRE).
- CONDUIT SEAL.
- WIREMOLD 5400 WITH DIVIDER FOR POWER AND DATA AT EACH RECEPTACLE INDICATED, PROVIDE A #5407 DEVICE BRACKET. PROVIDE A NEMA 5-20R DUPLEX RECEPTACLE AND A WIREMOLD 5407D PLATE FOR POWER; A #5407RJ COVER FOR DATA. SPECIAL NON-STANDARD COLOR IS REQUIRED, TO BE SELECTED BY ARCHITECT U.O.N.

  VERTICAL SURFACE MOUNTED WIREMOLD 5400 DROP TO HORIZONTAL RACEWAY U.O.N.

SINGLE LINE DIAGRAM:

- 150A 3P — CIRCUIT BREAKER, MOLDED CASE, 3 POLE, 150 AMP TRIP.
- 70A 100A 3P — SWITCH AND FUSE, 3 POLE, 100 AMP WITH (3) 70 AMP FUSES.
- M — METERING AND CURRENT/POTENTIAL TRANSFORMER AS REQUIRED.
- TRANSFORMER WITH SECONDARY GROUND.
- FDR-6 — FEEDER NO. 6 - SEE FEEDER SCHEDULE.
- GROUND WELL WITH ROD.
- GROUND TO COLD WATER PIPE, U.O.N.
- UFER GROUND.
- N — NEUTRAL BUS.
- G — EQUIPMENT GROUND BUS.

LIGHTING:

CLG. WALL

- 6a — LIGHTING FIXTURE, "6" DENOTES CIRCUIT NUMBER, "a" DENOTES CONTROLLING SWITCH.
- FLUORESCENT LIGHTING FIXTURE.
- FLUORESCENT STRIP LIGHTING FIXTURE.
- SINGLE FACE EXIT LIGHT WITH DIRECTIONAL ARROWS IF INDICATED. WALL MOUNTED.
- DOUBLE FACE EXIT LIGHT FIXTURE WITH DIRECTIONAL ARROWS IF INDICATED. CEILING MOUNTED.
- A 100 — FIXTURE TYPE "A" , INPUT POWER OF 100 VOLT-AMPERE EACH, INCLUDING BALLAST LOSS IF ANY - TYPICAL IN ROOM OR AREA U.O.N.
- RECESSED SUSPENDED — DOWN LIGHT FIXTURE.
- ● ● — DOWN LIGHT EQUIPPED WITH EMERGENCY BATTERY PACK, THE BATTERY PACK SHALL BE CONNECTED TO UNSWITCHED CIRCUIT.
- 2'x2' FIXTURE RECESSED IN CEILING
- 2'x2' FIXTURE RECESSED IN CEILING EQUIPPED WITH EMERGENCY BATTERY PACK, THE BATTERY PACK SHALL BE CONNECTED TO UNSWITCHED CIRCUIT.
- 2'x4' FIXTURE RECESSED IN CEILING
- 2'x4' FIXTURE RECESSED IN CEILING EQUIPPED WITH EMERGENCY BATTERY PACK, THE BATTERY PACK SHALL BE CONNECTED TO UNSWITCHED CIRCUIT.
- S_a^3 — SINGLE POLE TOGGLE SWITCH, +42" A.F.F., U.O.N.. SUBSCRIPTS INDICATE THE FOLLOWING:
  - a - OUTLETS CONTROLLED.
  - 2 - TWO POLE.
  - 3 - THREE WAY.
  - 4 - FOUR WAY.
  - K - KEYED.
  - P - PILOT LIGHT.
  - M - MANUAL MOTOR STARTER.
  - D - DIMMER.
  - R - REMOTE CONTROL, MOMENTARY CONTACT.
  - F - FLY FAN DOOR SWITCH.
- ab S — WALL MOUNTED OCCUPANCY SENSOR SWITCH, REFER TO "GREENGATE" NOTES BELOW ON THIS DRAWING. SUBSCRIPTS "ab" INDICATE DUAL LEVEL OUTLETS CONTROLLED.
- S abc — CEILING MOUNTED OCCUPANCY SENSOR FOR LIGHTING CONTROL, REFER TO "GREENGATE" NOTES BELOW ON THIS DRAWING. SUBSCRIPTS "abc" INDICATES LIGHTING ZONE CONTROLLED.
- RC — CLASSROOM LIGHTING ROOM CONTROLLER WITH 3-RELAYS, 3-DIMMERS AND 1-EMERGENCY RELAY, REFER TO SHEET E-003 AND ADDITIONAL SYMBOL FOR TYPICAL LIGHTING CONTROL REQUIREMENTS ON SHEET E-306.

GENERAL:

- RECESSED FLOOR BOX (WIREMOLD OMNIBOX 880S2) WITH DATA OUTLET AND A DUPLEX RECEPTACLE. PROVIDE (1) 3/4"C. FOR DATA AND VOICE AND (1) 3/4" CONDUIT FOR POWER TO ACCESSIBLE CEILING SPACE.
- TV — WALL MOUNT TV OUTLET AT +80"AFF AS INDICATED ON THE PLAN, PROVIDE 1"C SLEEVE FROM OUTLET BOX TO ACCESSIBLE CEILING SPACE. CONTRACTOR TO PROVIDE DUPLEX POWER OUTLET ADJACENT TO THE TV OUTLET ACCORDINGLY.
- PLUG-IN DOOR CHIME RECEIVER WITH STROBE LIGHT. NUTONE DOORBELL MODEL: LA-204WH.
- PUSHBUTTON FOR DOOR CHIME RECEIVER.

"GREENGATE" OCCUPANCY SENSOR NOTES:

OCCUPANCY SENSOR FOR LIGHTING CONTROL SYSTEM SHALL BE BY "GREENGATE'" (COOPER CONTROLS) WITH THE FOLLOWING PRODUCT NUMBERS:

1. WALL MOUNTED SENSOR;

   DUAL TECHNOLOGY, AUTO OR MANUAL ON FOR PRIVATE/SMALL OFFICE, CONFERENCE ROOM AND STORAGE:

   a- DUAL LEVEL, GREENGATE #ONW-D-1001-DMV (COVERAGE >100-300 SQUARE FEET)

   b- SINGLE LEVEL, GREENGATE #ONW-D-1001-MV (COVERAGE >100-SQUARE FEET)

2. CEILING MOUNTED SENSOR:

   ULTRASONIC SENSOR TECHNOLOGY, TO BE INSTALLED WITH SWITCH PACK, GREENGATE #SP20-MV AND MANUAL WALL MOUNTED SWITCH:

   a- SMALL OFFICE, <1270 S.F., GREENGATE #OMC-U-1001 ONE WAY COVERAGE.

   b- OPEN OFFICE OR RESTROOM <2500 S.F.,GREENGATE #OMC-U-2000 TWO WAY COVERAGE.

   c- CORRIDORS OR NARROW HALLWAYS, 13 FT.x 100 FT. COVERAGE, GREENGATE #ODC-U-0100-H, TWO WAY COVERAGE.

   DUAL TECHNOLOGY SENSOR, TO BE INSTALLED WITH SWITCH PACK, GREENGATE #SP20-MV AND MANUAL WALL MOUNTED SWITCH:

   a- ANY SIZE OPEN STUDY AREA, GREENGATE #OMC-DT-2000-R 360°, 700-3000 SQ-FT COVERAGE

3. PC — CEILING MOUNTED INDOOR PHOTOSENSOR FOR DAYLIGHT HARVESTING.

   a- ANY SIZE OFFICES, GREENGATE INDOOR PHOTOSENSOR CAT #DLC-PD-IN AND CEILING SPACE MOUNTED DAYLIGHTING CONTROLLER CAT# DLC-PDC. PHOTOSENSOR SHALL BE MOUNTED ALONG THE WINDOW SIDE OF CLASSROOM.

EACH SENSOR TIME DELAY SHALL BE SET AT 8 MINUTES.

CONTRACTOR TO COORDINATE WITH MANUFACTURER REPRESENTATIVE FOR THE BEST PLACEMENT AND QUANTITY OF THE CEILING MOUNTED SENSORS, AND ADDITIONAL ACCESSORIES FOR COMPLETE AND OPERABLE LIGHTING CONTROL SYSTEM.

COMMUNICATION SYSTEM SYMBOL:

REFER TO AVC-IT INFRASTRUCTURE, AUDIOVISUAL AND CABLING STANDARD SPECIFICATION AND COORDINATE WITH AVC-IT DEPARTMENT FOR THE IDF-ROOM LOCATION.

- W — WALL VOICE /PHONE OUTLET AT +48" , PROVIDE 4"SQUARE X 2-1/8" DEEP BOX WITH 4"SQUARE MUD-RING, SINGLE GANG RAISED 1/2" MIN. AND 3/4"C SLEEVE FROM OUTLETBOX TO ACCESSIBLE CEILING SPACE. PROVIDE CAT 6 TERMINATED SINGLE PORT RJ45 WITH STAINLESS STEEL FACEPLATE.
- WALL DATA ONLY OUTLET AT +18"AFF, PROVIDE 4"SQUARE X 2-1/8" DEEP BOX WITH 4"SQUARE MUD-RING, SINGLE GANG RAISED 1/2" MIN. AND 3/4"C SLEEVE FROM OUTLET BOX TO ACCESSIBLE CEILING SPACE WITH (2) CAT 6 CABLE DROP
- 4 — WALL VOICE & DATA OUTLET AT +18"AFF, PROVIDE 4"SQUARE X 2-1/8" DEEP BOX WITH 4"SQUARE MUD-RING, SINGLE GANG RAISED 1/2" MIN. AND 1"C SLEEVE FROM OUTLET BOX TO ACCESSIBLE CEILING SPACE WITH (4) CAT 6 CABLE DROP. "4" SUBSCRIPT INDICATE QUANTITY OF CABLE DROPS.
- 4 — CEILING MOUNTED VOICE & DATA OUTLET. PROVIDE 4" SQUARE MUDRING, SINGLE GANG RAISED 1/2" MIN. AND (4) CAT 6 CABLE TERMINATION.
- WALL AUDIO/VIDEO OUTLET AT +18"AFF, PROVIDE 4"SQUARE X 2-1/8" DEEP BOX WITH 4"SQUARE MUD-RING, SINGLE GANG RAISED 1/2" MIN. AND 1"C SLEEVE FROM OUTLET BOX TO ACCESSIBLE CEILING SPACE
- WAP — CEILING MOUNTED WIRELESS ACCESS POINT, PROVIDE 4" SQUARE X 2-1/8" DEEP BOX - (2)CAT 6A UTP CABLES TERMINATED ON RJ-45 JACKS AT THE BISCUITS BLOCKS AND ON RJ45 PATCH PANEL IN THE MDF ROOM
- C — CEILING AUDIO/VIDEO OUTLET, PROVIDE 4"SQUARE X 2-1/8" DEEP BOX WITH 4"SQUARE MUD-RING, SINGLE GANG RAISED 1/2" MIN. AND (4) 1" DIA GROMETTED K.O. FOR CABLE ACCESS.
- RECESSED FLOOR COMBINATION DOUBLE DUPLEX POWER RECEPTACLES, AUDIO/VIDEO AND DATA OUTLETS, PROVIDE WITH LEGRAND/WIREMOLD RESOURCE "RFB4SS" SERIES MULRISERVICE SHALLOW STEEL RECESSED FLOOR BOX WITH FLOOR PORT ACTIVATION COVER (NICKEL FINISH). PROVIDE INTERNAL BRACKET/ACCESSORIES AS REQUIRED

GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE DESIGNED PER 2013 CALIFORNIA ELECTRICAL CODE (CEC) BASED ON 2011 NATIONAL ELECTRICAL CODE (NEC) WITH THE CALIFORNIA AMENDMENTS.
2. MINIMUM SIZE OF CONDUIT SHALL BE 1/2", MINIMUM SIZE OF CONDUCTOR SHALL BE #12 AWG UNLESS OTHERWISE NOTED.
3. ALL PANELS, SWITCHES, ETC. SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS TO ACCOMMODATE CONDUCTORS SHOWN.
4. WHERE WIRE SIZES ARE INDICATED ON PLANS, FOR INDIVIDUAL CIRCUITS, THE WIRE SIZE INDICATED SHALL APPLY TO THE COMPLETE CIRCUIT, UNLESS OTHERWISE NOTED.
5. ALL JUNCTION BOXES AND PULL BOXES SHALL BE OF CODE GAUGE AND OF THE REQUIRED SIZE TO ACCOMMODATE NUMBER OF CONDUCTORS SHOWN.
6. ALL PULL BOXES IN FINISHED AREAS SHALL HAVE FACTORY APPLIED PRIME COAT OF PAINT.
7. ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL MECHANICAL, PLUMBING, AND ALL OTHER EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO ANY WORK.
8. ALL PANELBOARDS SHALL HAVE LOCKING DOOR AND BE KEYED ALIKE UNLESS OTHERWISE NOTED.
9. STUB OUT (2) 1" CONDUITS FROM ALL FLUSH MOUNTED PANELBOARDS INTO ACCESSIBLE CEILING SPACE AND CAP FOR FUTURE USE.
10. ELECTRICAL CONTRACTOR SHALL EXTEND WIRING FROM ALL JUNCTION BOXES, RECEPTACLES, SWITCHES, ETC. AND MAKE FINAL CONNECTION AS REQUIRED TO ALL BUILDING EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS.
11. ALL MOUNTING HEIGHTS SHOWN ARE TO CENTER LINE OF OUTLET OR DEVICE AND SHALL APPLY UNLESS INDICATED OTHERWISE.
12. DRAWINGS ARE DIAGRAMMATIC AND INDICATED GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OR OTHER TRADES RELATING TO WORK TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND SPACE CONDITIONS AT ALL TIMES.
13. LOCATION OF LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS. AT OR NEAR DOOR, INSTALL SWITCHES ON SIDE OPPOSITE TO DOOR HINGE. VERIFY FINAL HINGE LOCATION IN FIELD PRIOR TO ANY WORK.
14. ELECTRICAL CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL OUTLET BOXES FOR CLOCKS, SWITCHES, HORNS FIRE ALARM MANUAL PULL STATIONS, SPEAKERS, RECEPTACLES ETC.
15. WHERE ELECTRONIC MOTORS OR HEATERS ARE INSTALLED IN HUNG CEILINGS, PROVIDE DISCONNECT SWITCH IN HUNG CEILING WITHIN REACH FROM ACCESS POINT.
16. EXPOSED RACEWAYS (WHEN INDICATED ON DRAWINGS) SHALL BE RUN PARALLEL WITH OR AT RIGHT ANGLES TO WALLS.
17. FURNISH APPROVED EXPANSION FITTINGS WHERE RACEWAY CROSSES BUILDING EXPANSION JOINTS.
18. FURNISH FISH WIRE IN EACH RACEWAY RUN OVER 10' IN LENGTH, IN WHICH PERMANENT WIRING IS NOT INSTALLED.
19. NOT MORE THAN THREE LIGHTING OR CONVENIENCE OUTLET CIRCUITS ARE PERMITTED IN ONE CONDUIT, UNLESS OTHERWISE INDICATED.
20. PROVIDE PULL BOXES WHEREVER NECESSARY TO FACILITATE PULLING OF CONDUCTORS. COORDINATE LOCATIONS OF BOXES WITH OTHER TRADES TO AVOID CONFLICT.
21. SUPPORT PANELBOARDS, JUNCTION AND PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
22. OUTLET BOXES FOR FIXTURES RECESSED IN HARD LID/GYP BOARD CEILING SHALL BE ACCESSIBLE THROUGH OPENING CREATED BY REMOVAL OF FIXTURES.
23. SEE MECHANICAL, PLUMBING DRAWINGS FOR ADDITIONAL CONNECTION REQUIREMENTS TO CONTROL PANELS AND TRANSFORMERS, SWITCHES, TIME CLOCKS, VALVES, STATS, RELAYS, ETC. INDICATED ON CONTROL WIRING DIAGRAMS. ELECTRICAL CONTRACTOR SHALL VERIFY FINAL CONTROL WIRING REQUIREMENTS PRIOR TO ANY WORK AND PROVIDE ALL NECESSARY DEVICES AND CONNECTIONS AS REQUIRED.
24. ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT SHALL BE WEATHERPROOF TYPE.
25. NO CONDUIT RUNS WILL BE ALLOWED IN CONCRETE SLAB. ALL CONDUITS WILL BE PLACED IN THE HUNG CEILING UNLESS SPECIFICALLY INDICATED TO BE UNDERGROUND.
26. LIGHTING, POWER, TELEPHONE AND COMMUNICATIONS OUTLETS SHALL NOT BE PLACED BACK TO BACK.
27. COORDINATE WITH UTILITY COMPANY FOR UTILITY SERVICE REQUIREMENTS PRIOR TO SUBMITTING BID; INCLUDE UTILITY CHARGES IF ANY.
28. WHERE MORE THAN (1) ONE LIGHT SWITCH OCCURS AT SAME LOCATION, SWITCHES SHALL BE MOUNTED IN A MULTIPLE GANG BOX UNDER A SINGLE COVER PLATE.
29. WHERE MOUNTING HEIGHTS OR DIMENSIONS OF DEVICE LOCATIONS ARE SHOWN, CONTRACTOR SHALL CONFIRM SUCH DIMENSIONS WITH ARCHITECTURAL DRAWINGS. WHERE CONFLICT IN DIMENSIONS OCCUR BETWEEN DRAWINGS, OR WHERE NO DIMENSIONS OR MOUNTING HEIGHTS ARE INDICATED ON EITHER SET OF DRAWINGS, CONTRACTOR SHALL VERIFY THESE ITEMS WITH ARCHITECT IN FIELD PRIOR TO ROUGH-IN.
30. ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS SHALL BE PROTECTED BY MATERIALS TESTED IN ACCORDANCE WITH UL1479/ASTM E-814. INSTALLATION SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS AND MAINTAIN THE FIRE RATING OF WALLS AND/OR FLOORS AFFECTED. PROVIDE HILTI C5240 FIRESTOP SEALANT, CSFM LISTING NO. 4060-1200:100, OR EQUIVALENT STATE FIRE MARSHALL APPROVED AND LISTED MATERIAL.
31. WHERE LIGHTING FIXTURES ARE FOR LAY-IN MOUNTING IN AN EXPOSED RUNNER TYPE OF CEILING, PROVIDE EACH FIXTURE WITH CLIPS (4 REQUIRED) OR EQUIVALENT MEANS TO PREVENT THE ACCIDENTAL DISENGAGEMENT OF THE FIXTURE FROM THE CEILING. WHERE FIXTURES IN SUCH CEILINGS ARE SQUARE OR RECTANGULAR IN SHAPE, PROVIDE EACH FIXTURE WITH FOUR (4) #12 AWG GALVANIZED STEEL WIRES WITHIN 3 INCHES OF EACH OF THE CORNERS.
32. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN, U.O.N. CONDUCTORS IN CONDUIT EXPOSED ON THE ROOF SHALL HAVE 90° INSULATION (THHN), #10 AND SMALLER SHALL BE SOLID TYPE, AND #8 AWG AND LARGER SHALL BE STRANDED.
33. TRANSFORMER SHALL BE NEMA TP-1 ENERGY EFFICIENT TYPE WITH INSULATION SUITABLE FOR 150° AVERAGE TEMPERATURE RISE. SEE SPECIFICATIONS FOR DETAILS.
34. ALL CONDUITS SHALL BE ELECTRICAL METALLIC TUBING AND RIGID STEEL CONDUIT ONLY. PROVIDE APPROPRIATE COUPLINGS, CONNECTORS AND OTHER FITTINGS AS REQUIRED.
35. EMERGENCY CIRCUITS SHALL BE ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT AND SHALL NOT ENTER SAME RACEWAY, BOXES OR CABINETS WITH OTHER WIRING EXCEPT WHERE PROVIDED IN 2010 CEC 700.9B.
36. RECESSED FIXTURE IN FIRE RATED ASSEMBLY SHALL BE APPROVED BY AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION PER 2010 CBC-SECTION 713.3. AND 713.4.
37. BOXES SHALL BE SECURED AS PER 2010 CEC ARTICLE 314.23.
38. ALL U.L. LISTED EQUIPMENT SHALL BE INSTALLED AS PER LISTING OR LABELING (i.e. MAX. FUSE SIZE MEANS FUSE PROTECTION REQUIRED), AND SHALL BE INSTALLED AS APPROVED.
39. ALL EQUIPMENT SHALL BE LISTED BY AN ACCEPTED TESTING LAB AND BEAR THE LISTING STICKER IN AN ACCESSIBLE LOCATION.
40. SUBMIT TORQUE CERTIFICATE FOR ALL ELECTRICAL EQUIPMENT/CONNECTIONS PRIOR TO CERTIFICATE OF OCCUPANCY ISSUANCE.
41. REMOVE ALL UNUSED AND/OR ABANDONED CONDUIT, WIREMOLD.

SCOPE OF WORK

1. LIGHTING: NOT IN THE SCOPE OF WORK. EXISTING LIGHTING AND CONTROL TO REMAIN.
2. POWER:
   - PROVIDE NEW SURFACE WALL MOUNTED GFCI RECEPTACLES FOR BENCH TOOLS ALONG THE WAITING AREA WALL.
   - PROVIDE STEEL TELE-POWER POLE TO FEED POWER AND DATA OUTLETS MOUNTED ON DESK IN THE CLASSROOM (FORMERLY STERILE HOLD ROOM).
   - PROVIDE NEW PANELBOARD TO SERVE ALL NEW RECEPTACLES, AIR COMPRESSORS, AIR DRYER AND AN EXHAUST FAN PER-MECHANICAL AND PLUMBING DRAWINGS.
3. FIRE ALARM:
   - NO NEW DEVICE REQUIRED, ALL EXISTING F.A. DEVICES TO REMAIN.

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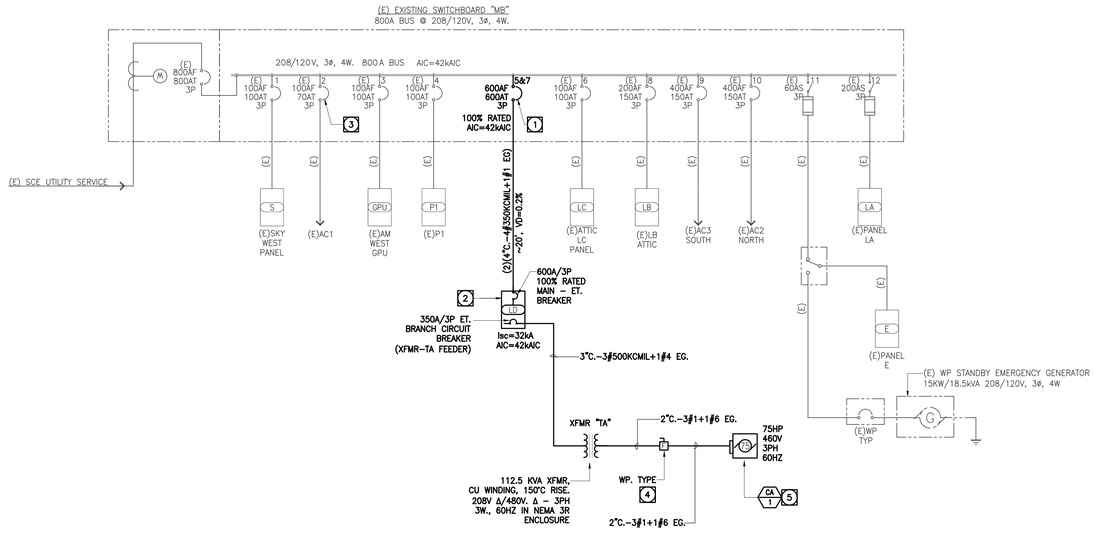
JOB. NO. 16506

SHEET TITLE ELECTRICAL LEGEND, SYMBOL LIST & GENERAL NOTES

SHEET E-001

PARTIAL SINGLE LINE DIAGRAM

N.T.S. 1



SHEET NOTES:

1. SCREENED ITEMS DENOTES ON SINGLE LINE EXISTING EQUIPMENT TO REMAIN IN PLACE U.O.N.
2. BOLD ITEMS DENOTES NEW WORK.

GENERAL NOTES:

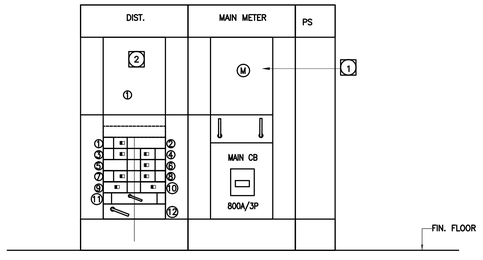
1. SWITCHGEAR SHOP DRAWING SUBMITTAL SHALL INCLUDE SAMPLE OF ARC-FLASH LABEL. ARC-FLASH LABEL SHALL PROVIDED BY SWITCHGEAR MANUFACTURER AND INCLUDE NOMINAL SYSTEM VOLTAGE, ARC-FLASH BOUNDARY AND SPECIFIC LEVEL PPE/ ARC-FLASH PPE CATEGORY.
2. SWITCHBOARD, DISTRIBUTION PANELS, FEEDERS, CIRCUIT BREAKERS, DISCONNECT SWITCH AND FUSES (SHOWN IN SCREENED) ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
3. PROVIDE NAME PLATE FOR THE NEW EQUIPMENT, NAME PLATE SHALL BE ATTACHED WITH SHEET METAL SCREWS, GLUE ON ADHESIVES NOT ACCEPTABLE. PANELBOARD NAME PLATE SHALL INCLUDE THE FOLLOWING INFORMATION: PANEL "LD"
   600A MAIN, 208Y/120V-3PH-4W
   FED FROM "1MS"

REFERENCE NOTES

1. PROVIDE NEW FEEDER OVERLOAD PROTECTION DEVICE/CIRCUIT BREAKER, 100% AMPACITY RATING, MANUFACTURER, STYLE AND AIC RATING MATCHING EXISTING SWITCHBOARD AIC RATING.
2. PROVIDE FULLY RATED PANELBOARD "LD" (EQUAL TO SQUARE D TYPE "HCP-SU"), SERIES RATED EQUIPMENT NOT ACCEPTABLE. REFER TO PANEL SCHEDULE "LD" ON THIS SHEET FOR REQUIREMENTS. PANELBOARD SHALL BE PROVIDED WITH ELECTRONIC TRIP (ET) MAIN CIRCUIT BREAKER AND CU BUS-BAR WITH PERMANENT CIRCUIT NUMBER SYSTEM.
3. DISCONNECT AND RELOCATE FEEDER CIRCUIT BREAKER (E) AC-1 FROM POSITION "MB-7" TO "MB-2" TO CLEAR THE SPACE FOR INSTALLATION OF NEW FEEDER CIRCUIT BREAKER SERVING PANEL "LD" AS PER-REFERENCE NOTE #1, ALSO REFER TO EXISTING SWITCHBOARD "MB" ELEVATION ON THIS SHEET.
4. FURNISH AND INSTALL 200AS-3P WITH 150AF (TIME DELAY FUSE) IN NEMA 3R ENCLOSURE.
5. 75HP AIR COMPRESSOR WITH CONTROL PANEL AND WYE-DELTA STARTER SUPPLIED BY OTHERS, INSTALL BY CONTRACTOR.

EXISTING SWITCHBOARD "MB" - ELEVATION

N.T.S. 3



REFERENCE NOTES (E)"MB"

1. EXISTING ELECTRICAL SERVICE FROM SCE, METER #SCE 259000-054071, FOR 208Y/120V-3PH-4W-60Hz WITH 800A-3P MAIN SERVICE DISCONNECT.
2. EXISTING DISTRIBUTION SECTION OF SWITCHBOARD "MB" WITH THE FOLLOWING FEEDER OVERLOAD PROTECTION DEVICES:

POSITION	OPD	DESCRIPTION
①	100A-3P CB	SKYWESTPANEL
②	SPACE	SPARE
③	100A-3P CB	AMWEST GPU
④	100A-3P CB	P1
⑤	SPACE	SPARE
⑥	100A-3P CB	LC ATTIC
⑦	70A-3P CB	AC-1
⑧	70A-3P CB	LB ATTIC
⑨	150A-3P CB	AC-3 SOUTH
⑩	150A-3P CB	AC-2 NORTH
⑪	60AS-3P	PNL"E"
⑫	200AS-3P	PNL"LA"

PANEL SCHEDULE

N.T.S. 2

PANEL :	LD	PHASE :	3	WIRE :	4	MOUNTING :	SURFACE
VOLTAGE :	208 / 120	LOCATION :	OUTSIDE ELEC RM.			DISTANCE :	40 FT
BUS AMPERE :	600 AMP	FED FROM :	(E) MB			POLES :	42
MAIN C/B :	600 *) AMP	MAIN TYPE :	AUTO C/B			SPARE CAP :	0 %

CK NO	DESCRIPTION	LTG	REC	MTR	HTG	MIS	CIRCUIT BREAKER	CIRCUIT KVA A	CIRCUIT KVA B	CIRCUIT KVA C	CK NO
1	EQUIPTMENT AREA 101		2				20 / 1	0.36			1
2	EQUIPTMENT AREA 101		2				20 / 1	0.36			2
3	EQUIPTMENT AREA 101		2				20 / 1		0.36		3
4	EQUIPTMENT AREA 101		2				20 / 1		0.36		4
5	EQUIPTMENT AREA 101		2				20 / 1			0.36	5
6	EQUIPTMENT AREA 101		2				20 / 1			0.36	6
7	OUTDOOR SERVICE REC		3				20 / 1	0.54			7
8	EQUIPTMENT AREA 101		2				20 / 1	0.36			8
9	SPARE						20 / 1		0.00		9
10	CEILING PROJECTOR		1				20 / 1		0.18		10
11	104 ROW 1 PC		6				20 / 1			1.08	11
12	104 ROW 2 PC		6				20 / 1			1.08	12
13	104 ROW 1 PC		6				20 / 1	1.08			13
14	104 ROW 2 PC		6				20 / 1	1.08			14
15	104 ROW 1 PRINTER		1				20 / 1		0.18		15
16	104 ROW 2 PRINTER		1				20 / 1		0.18		16
17	104 ROW 3 PC		6				20 / 1			1.08	17
18	104 ROW 4 PC		6				20 / 1			1.08	18
19	104 ROW 3 PC		6				20 / 1	1.08			19
20	104 ROW 4 PC		6				20 / 1	1.08			20
21	104 ROW 3 PRINTER		1				20 / 1		0.18		21
22	104 ROW 4 PRINTER		1				20 / 1		0.18		22
23	SPARE						20 / 1			0.00	23
24	SPARE						20 / 1			0.00	24
25	SPARE						20 / 1	0.00			25
26	SPARE						20 / 1	0.00			26
27	SPARE						20 / 1		0.00		27
28	SPARE						20 / 1		0.00		28
29	SPARE						20 / 1			0.00	29
30	EF-1 (1/6HP)			1			15 / 1			0.53	30
31	RAD-1 (1.5 HP)					1	15 / 3	0.70			31
32	SPACE						----- / ---	0.00			32
33	W/ CKT #31						----- / ---		0.70		33
34	SPACE						----- / 1		0.00		34
35	W/ CKT #31						----- / ---			0.70	35
36	SPACE						----- / 1			0.00	36
37	112.5 KVA XFMR FOR CA-1 (75HP)			1			350 / 3 *)	25.50			37
38	SPACE						----- / ---	0.00			38
39	W/ CKT #37						----- / ---		25.50		39
40	SPACE						----- / ---		0.00		40
41	W/ CKT 37						----- / ---			25.35	41
42	SPACE						----- / ---			0.00	42

CONN LOAD =	91.58 KVA	TOTAL BY PHASE (KVA) =		32.14	27.82	31.62
MIN FDR =	255 AMP	MIN C/B =	601 AMP	LGST MTR =	4 AMP	SPARE = 0.00 KVA
LCL (LTG+HTG) =	0.00 KVA	25% LCL =	0.00 KVA	CONN LOAD + 25% LCL =		91.58 KVA

*) INDICATED ADJUSTABLE ELECTRONIC TRIP CIRCUIT BREAKER

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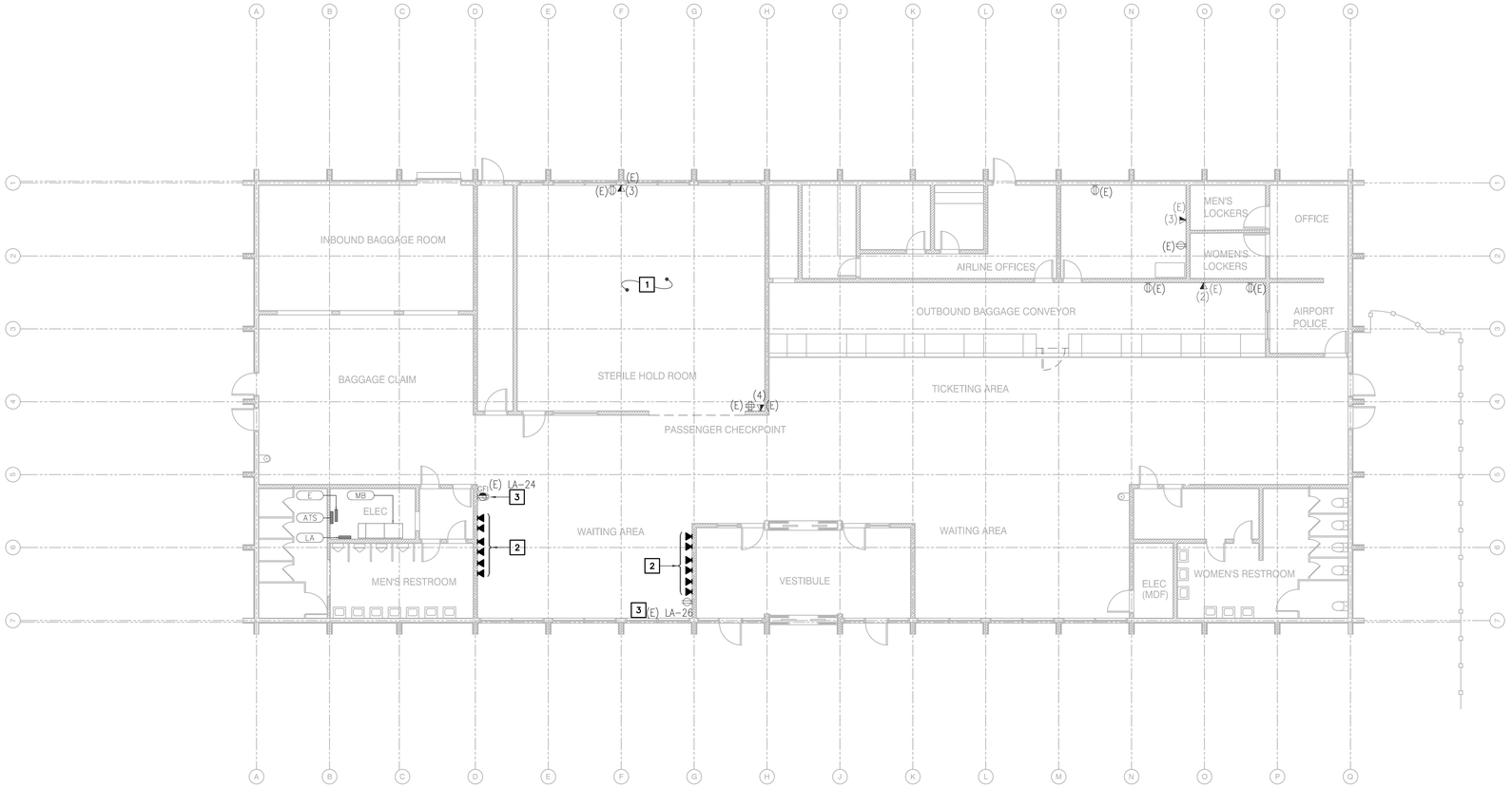
SHEET TITLE
SINGLE LINE DIAGRAM & SCHEDULES

SHEET
E-002



1 ELECTRICAL DEMO PLAN

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

GENERAL NOTES

EXISTING POWER AND LIGHTING SHALL REMAIN AND BE MAINTAINED FOR PROPER OPERATION, UNLESS NOTED OTHERWISE.

REFERENCE NOTES

1. EXISTING POWER/DATA OULLETS AND LIGHTING DEVICES TO REMAIN IN PLACE.
2. EXISTING TELEPHONE OUTLETS TO BE REMOVED AND BLANK-OFF.
3. EXISTING RECEPTACLE TO REMAIN PLACE.

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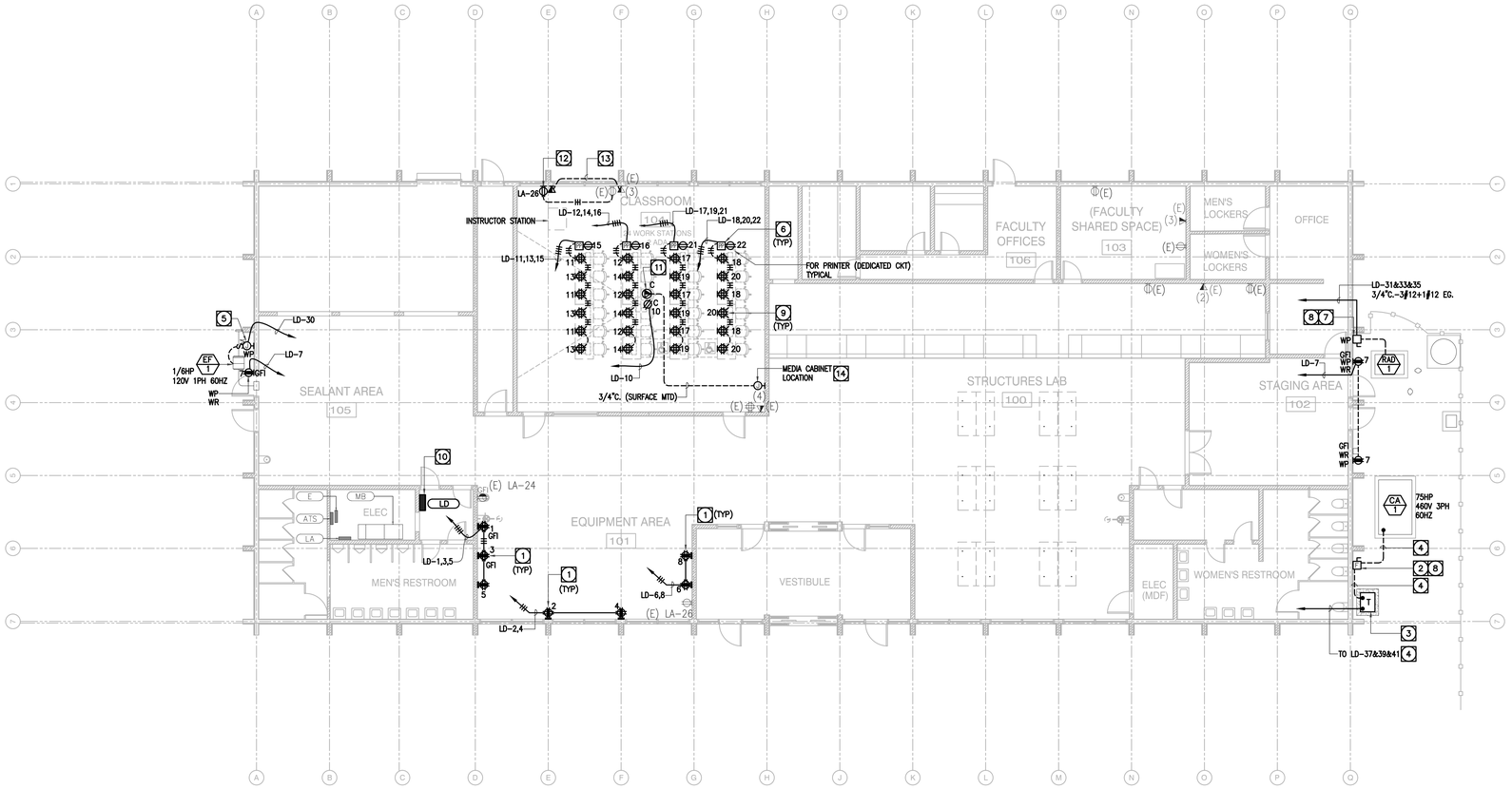
SHEET TITLE
ELECTRICAL DEMO PLAN

SHEET
E-101



1 POWER PLAN

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

GENERAL NOTES

ALL NEW RACEWAY INSTALLATION SHALL BE SURFACE MOUNTED ALONG EXISTING FINISH WALL BELOW CEILING OR ON CEILING SURFACE.

REFERENCE NOTES

1. SURFACE WALL MOUNTED DOUBLE DUPLEX GFCI PROTECTED RECEPTACLE +42" AFF ON DEDICATED CIRCUIT – TYPICAL.
2. PROVIDE FUSED DISCONNECT SWITCH. REFER TO SINGLE LINE DIAGRAM ON SHEET E-002 FOR SIZING AND DETAIL CONNECTION. PROVIDE STRUCTURAL SEISMIC WALL SUPPORT FOR DISCONNECT SWITCH MOUNTING.
3. 112.5 KVA TRANSFORMER. REFER TO SINGLE LINE DIAGRAM ON SHEET E-002 FOR REQUIREMENTS. CONTRACTOR TO PROVIDE MIN. 4" HIGH CONCRETE PAD WITH 6" LARGER THAN TRANSFORMER FOOT PRINT, TRANSFORMER DIMENSIONS: 31.5"W.x24"D.x46"H. – 1098LBS.
4. SEE SINGLE LINE DIAGRAM ON SHEET E-002 FOR REQUIREMENTS.
5. PROVIDE 3/4"C. FOR CONTROLS. COORDINATE WITH MECHANICAL CONTROLS CONTRACTOR FOR ROUTING AND FIELD VERIFY EXACT LOCATION.
6. PROVIDE SINGLE COMPARTMENT STEEL POWER POLE LEGRAND/WIREMOLD 30TC-2V (10'-5") WITH NEMA 5-20R DUPLEX ON DEDICATED CIRCUIT SHOWN FOR PRINTER AND 3/4"C STEEL FLEX CONDUIT WITH 3#12+1#12EG POWER FEED TO CONNECT TO DESK MOUNTED RECEPTACLES. PROVIDE ACCESSORIES AND HARDWARE AS REQUIRED FOR A COMPLETE SECURED INSTALLATION – FIELD VERIFY EXACT LOCATION.
7. PROVIDE 30AS/3P NON-FUSED HEAVY DUTY NEMA 3R DISCONNECT FOR CONNECTION TO RAD-1. FIELD VERIFY EXACT LOCATION.
8. PROVIDE 3/4"C. FOR CONTROLS. COORDINATE WITH CONTROLS CONTRACTOR FOR ROUTING AND EXACT LOCATION.
9. PROVIDE NEMA 5-20R DOUBLE DUPLEX RECEPTACLES TO BE INSTALLED ON THE UNDERNEATH DESK WALL WIRED WITH #12 AWG THRU RACEWAY SECURED UNDER ROW OF DESKS.
10. SURFACE MOUNTED PANEL BOARD "LD" (26"W.x9.5"D.x86"H.), REFER TO SHEET E-002 FOR REQUIREMENTS.
11. CEILING MOUNTED RECEPTACLE AND DATA OUTLETS FOR CEILING PROJECTOR. FIELD COORDINATE EXACT LOCATION ON FIELD. COORDINATE WITH AVC-IT FOR CABLING REQUIREMENT THRU 3/4" SURFACE MOUNTED TO TERMINATE AT THE MEDIA CABINET LOCATION.
12. PROVIDE SURFACE MOUNTED NEMA 5-20R DUPLEX RECEPTACLE AT +18" AFF, TO BE CONNECTED TO EXISTING RECEPTACLE WITH 1/2"C.-2#12+1#12 EG.
13. PROVIDE DATA OUTLET BOX (SURFACE MOUNTED) COORDINATE PATCHING CONNECTION THRU EXISTING DATA OUTLET WITH AVC-IT FOR REQUIREMENT.
14. PROVIDE SURFACE MOUNTED J-BOX AT +18" AFF AND 3/4"C SURFACE MOUNTED CONNECTION TO CEILING PROJECTOR LOCATION. COORDINATE WITH AVC-IT FOR CABLING REQUIREMENT.

ANTELOPE VALLEY COMMUNITY COLLEGE DISTRICT
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PALMDALE AIRPORT TERMINAL REMODEL

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STEVE DOWTY, AIA
PRINCIPAL-IN-CHARGE

SHANNON BLOMST
PROJECT MANAGER

ARCHITECT'S STAMP & SIGNATURE

LICENSED ARCHITECT
STEVEN E. DOWTY
No. C-11153
Ren. 11/17
STATE OF CALIFORNIA

ENGINEER'S STAMP & SIGNATURE

REGISTERED PROFESSIONAL ENGINEER
ANDREW H. VALLO
E-13884
06/30/18
ELECTRICAL
STATE OF CALIFORNIA

CONSULTANT INFORMATION

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REVISION	DESCRIPTION	DATE	BY
5	-	-/-/-	XX
4	-	-/-/-	XX
3	-	-/-/-	XX
2	-	-/-/-	XX
1	-	-/-/-	XX

DRAWN dHA+CALPEC
CHECKED KC
DATE 11/07/2016
JOB. NO. 16506

SHEET TITLE
POWER PLAN

SHEET
E-201