

ABBREVIATIONS

ABBREVIATIONS WHEN USED IN THESE DOCUMENTS SHALL CONFORM TO THE FOLLOWING LIST UNLESS OTHERWISE NOTED. INDIVIDUAL
DRAWINGS (SUCH AS CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL) MAY CONTAIN SPECIFIC REFERENCES AND
LEGENDS WITH INTERPRETATIONS INTENDED ONLY FOR THOSE DRAWINGS.

LEGENDS V	VITH INTERPRETATIONS INTEN
&	AND
L @	ANGLE AT
C	CENTERLINE
ø	DIAMETER
#	POUND OR NUMBER EXISTING
(E) (N)	NEW
A.B.	
A/C A.C.	AIR CONDITIONING ASPHALT CONCRETE
ACOUST.	ACOUSTICAL
A.D. ADJ.	AREA DRAIN ADJUSTABLE
AGG.	AGGREGATE
ALUM.	ALUMINUM
ALT. APPROX.	ALTERNATE APPROXIMATE
ARCH.	ARCHITECTURAL
	(OR ARCHITECT)
ASPH. AUTO.	ASPHALT AUTOMATIC
BEL.	BELOW
BET. BD.	BETWEEN BOARD
BLDG.	BUILDING
BLK.	BLOCKING
BM. B.O.	BEAM BOTTOM OF
BOT.	воттом
B.U.R.	BUILT-UP ROOF
BRD.	BOARD
CAB.	CABINET
C.B.	CATCH BASIN
C.G. C.I.	CORNER GUARD CAST IRON
C.J.	CONTROL JOINT
CLG.	CEILING
CLO.	CLOSET
CLR. CNTR.	CLEAR COUNTER
COL.	COLUMN
C.M.U.	CONCRETE MASONRY UNIT
CONC. CONN.	CONCRETE CONNECTION
CONSTR.	CONSTRUCTION
CONT.	CONTINUOUS
CONTR. CORR.	CONTRACTOR CORRIDOR
CTR.	CENTER
CTSK.	COUNTERSUNK
C.Y.	CUBIC YARD
DBL.	DOUBLE
DEPT. DET.	DEPARTMENT DETAIL
D.F.	DRINKING FOUNTAIN
D.I.	DROP INLET
DIA DIAG.	DIAMETER DIAGONAL
DIAG. DIM.	DIMENSION
DISP.	DISPENSER
DN.	
D.O. DP.	DOOR OPENING DEEP
DR.	DOOR
DS.	
DW. DWG.	DOMESTIC WATER DRAWING
DWR.	DRAWER
E.	EAST
EA.	EACH
E.J.	EXPANSION JOINT
ELEV. ELEC.	ELEVATION ELECTRICAL
EMBED.	EMBEDMENT
ENCL.	ENCLOSURE
ENGR. E.P.B.	ENGINEER ELECTRICAL PANEL BOARD
EQ.	EQUAL
EQUIP.	
E.W.C. EXP.	ELECTRIC WATER COOLER EXPANSION
EXIST.	EXISTING
EXT	EXTERIOR
F.A.	FIRE ALARM
F.B.	FLAT BAR
F.D.	FLOOR DRAIN
FDN. F.E.	FOUNDATION FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER
	AND CABINET
F.F.E. F.H.C.	FINISH FLOOR ELEVATION FIRE HOSE CABINET
г.н.с. F.H.M.S.	FLAT HEAD MACHINE SCREW
F.H.W.S.	FLAT HEAD WOOD SCREW

FL.	FINISH	P.O.C.	POINT OF CONNECTION
	FLOOR	PR.	PAIR
LASH.		PRCST.	PRECAST
.O.C.		PREFIN. PROJ.	PREFINISHED
0.F.		PROJ. PT.	PROJECT
O.M. O.P.	FACE OF MASONRY FACE OF PLYWOOD	PT. P.T.D.	POINT PAPER TOWEL DISPENSER
0.S.	FACE OF STUDS	P.D.T.R.	COMBINATION PAPER TOWEL
RPF.	FIRE PROOF		DISPENSER AND RECEPTACLE
.R.P.	FIBER REINFORCED PANEL	PTN.	PARTITION
.R.T.	FIRE RETARDANT TREATED	P.T.R.	PAPER TOWEL RECEPTACLE
т.	FOOT OR FEET		
TG.	FOOTING	Q.T.	QUARRY TILE
URR.	FURRING	_	
UT.	FUTURE	R.	RADIUS
	GAS	R.A. R.B.	
A.	GAGE	R.B. R.D.	RUBBER BASE ROOF DRAIN
A. ALV.	GAGE	R.D. REF.	REFERENCE
.B.	GRAB BAR	REFR.	REFRIGERATOR
.J.	GALVANIZED IRON	REINF.	REINFORCED
ND.	GROUND	REQ.	REQUIRED
R.	GRADE	RESIL.	RESILIENT
YP.	GYPSUM	RM.	ROOM
		R.O.	ROUGH OPENING
	HIGH	R.O.W.	RIGHT-OF-WAY
.В.	HOSE BIB	RDWD.	REDWOOD
.C.	HOLLOW CORE	RWL.	RAIN WATER LEADER
D.	HEAD	-	
DWD. GT	HARDWOOD	S.	
GT. M	HEIGHT HOLLOW METAL	S.A. S.C.	SUPPLY AIR SOLID CORE
.m. Oriz.	HOLLOW METAL HORIZONTAL	S.C. S.C.D.	SOLID CORE SEAT COVER DISPENSER
ORIZ. R.	HORIZONTAL	S.C.D. SCHED.	SEAT COVER DISPENSER
п. .V.A.C.	HEATING VENTILATING, AND	SCHED. S.D.	STORM DRAIN
	AIR CONDITIONING	S.DISP.	SOAP DISPENSER
.W.H.	HOT WATER HEATER	SECT.	SECTION
		S.F.	SQUARE FOOT (FEET)
D .	INSIDE DIAMETER	SH.	SHELF
I.	INCHES	SHR.	SHOWER
ICL.	INCLUDING, INCLUDES	SHT.	SHEET
ISUL.	INSULATION	SHTG.	SHEATHING
NT.	INTERIOR	SIM.	SIMILAR
IV.	INVERT	S.M.S.	SHEET METAL SCREW
P.S.	IRON PIPE SIZE	S.N.D.	SANITARY NAPKIN DISPOSAL
		S.N.V.	SANITARY NAPKIN VENDOR
AN.	JANITOR	S.O.V.	SHUT OFF VALVE
В. т		SPEC.	SPECIFICATIONS
T. ST	JOINT JOIST	SQ. ST.STL.	SQUARE STAINLESS STEEL
	00101	SI.SIL. S.S.	SERVICE SINK
	KITCHEN	S.S. S.T.	SERVICE SINK
		STA.	STATION
	LONG	STA. STD.	STANDARD
AB.	LABORATORY	STL.	STEEL
AM.	LAMINATE	STOR.	STORAGE
AV.	LAVATORY	STRUCT.	STRUCTURAL
KR.	LOCKER	SUSP.	SUSPENDED
т.	LIGHT	S.V.	SHEET VINYL
		S.Y.	SQUARE YARD
IAX.	MAXIMUM	SYM.	SYMMETRICAL
I.B.	MACHINE BOLT		
I.C.	MEDICINE CABINET	Т.В.	TOWEL BAR
IATL.	MATERIAL	T.C.	TERMINAL CABINET
IECH.	MECHANICAL	TEL.	TELEPHONE
IET.	METAL	TEMP.	TEMPERED
IFR.	MANUFACTURER	TERR.	
	MANHOLE	T&G	TONGUE AND GROOVE
IH.			
IH. IIN.		THK.	THICK
IH. IIN. IISC.	MISCELLANEOUS	T.P.D.	THICK TOILET PAPER DISPENSER
H. IN. ISC. .O.	MISCELLANEOUS MASONRY OPENING	T.P.D. T.O.M.	THICK TOILET PAPER DISPENSER TOP OF MASONRY
H. IN. ISC. .O. OD.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR	T.P.D. T.O.M. T.PL.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE
IH. IIN. IISC. I.O. IOD. ITD.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED	T.P.D. T.O.M. T.PL. T.O.S.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL
IH. IIN. IISC. I.O. IOD. ITD.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR	T.P.D. T.O.M. T.PL. T.O.S. TRD.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD
ih. IIN. IISC. I.O. IOD. ITD. IUL.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED	T.P.D. T.O.M. T.PL. T.O.S.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL
ih. IIN. IISC. I.O. IOD. ITD. IUL.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER
ih. IIN. IISC. I.O. IOD. ITD. IUL.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION
IH. 11N. 11SC. 1.O. 10D. 11TD. 1UL.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL
IH. IIN. IISC. I.O. IOD. IITD. IUL. I. I.C. IO. OR #	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL
ih. IIN. I.O. IOD. ITD. IUL. I.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED
ih. IIN. IISC. IOD. ITD. IUL. I.C. O. OR # OM.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED
ih. IIN. IISC. I.O. IOD. ITD. IUL. I.C. O. OR # OM. .T.S.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL
ih. IIN. IISC. I.O. IOD. ITD. UUL. .I.C. O. OR # OM. .T.S.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL
H. IN. ISC. .O. OD. TD. UL. I.C. O. OR # OM. T.S. / A.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVER	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL
H. IN. ISC. .O. OD. TD. UL. I.C. O. OR # OM. .T.S. / .A. BS.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVER OVERALL OBSCURE	Т.Р.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL VINYL BASE VINYL COMPOSITION TILE VINYL COVERED TACKBOARD
H. IIN. IISC. IOD. ITD. IUL. .I.C. O. OR # OM. .T.S. / .A. BS. .C.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVER OVERALL OBSCURE ON CENTER	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL VINYL BASE VINYL COVERED TACKBOARD VINYL WALLCOVERING
IH. IIN. IISC. IOD. ITD. IUL. .I.C. O. OR # OM. .T.S. / .A. BS. .C. .D.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVER OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC VERT.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL VINYL BASE VINYL COMPOSITION TILE VINYL COVERED TACKBOARD VINYL WALLCOVERING VERTICAL
IH. IIN. IISC. IOD. ITD. IUL. .I.C. O. OR # OM. .T.S. / .A. BS. .C. .D. FF.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVER OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OFFICE	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL VINYL BASE VINYL COVERED TACKBOARD VINYL WALLCOVERING
H. IN. ISC. .O. OD. TD. UL. I.C. O. OR # OM. T.S. / .A. BS. .C. .D. FF. .H.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVER OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OFFICE OPPOSITE HAND	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC VERT. VEST.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL VINYL BASE VINYL COMPOSITION TILE VINYL COVERED TACKBOARD VINYL WALLCOVERING VERTICAL VESTIBULE
IH. IIN. IISC. IOD. ITD. IUL. I.C. O. OR # OM. .T.S. / .A. BS. .C. .D. FF. .H. .H.M.S.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVERALL OBSCURE ON CENTER OVTER OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OFFICE OPPOSITE HAND OVAL HEAD MACHINE SCREW	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC VERT. VEST. W.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL VINYL BASE VINYL COMPOSITION TILE VINYL COVERED TACKBOARD VINYL WALLCOVERING VERTICAL VESTIBULE
H. IIN. IISC. IOD. ITD. IUL. I.C. O. OR # OM. .T.S. / .A. BS. .C. .D. FF. .H. .H.M.S. .H.W.S.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVERALL OBSCURE ON CENTER OVTER OVERALL OBSCURE ON CENTER OFFICE OPPOSITE HAND OVAL HEAD MACHINE SCREW OVAL HEAD WOOD SCREW	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC VERT. VEST. W. W/	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL VINYL BASE VINYL COMPOSITION TILE VINYL COVERED TACKBOARD VINYL WALLCOVERING VERTICAL VESTIBULE WEST WITH
H. IIN. IISC. IOD. ITD. IUL. I.C. O. OR # OM. T.S. / A. BS. .C. D. FF. .H. .H.M.S. .H.W.S. PNG.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVERALL OBSCURE ON CENTER OVTERALL OBSCURE ON CENTER OUTSIDE DIAMETER OFFICE OPPOSITE HAND OVAL HEAD MACHINE SCREW OVAL HEAD WOOD SCREW OPENING.	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC VERT. VEST. W. W/ W/ W.C.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL VINYL BASE VINYL COMPOSITION TILE VINYL COVERED TACKBOARD VINYL WALLCOVERING VERTICAL VESTIBULE WEST WITH WATER CLOSET
H. IN. ISC. I.O. ID. IUL.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVERALL OBSCURE ON CENTER OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OFFICE OPPOSITE HAND OVAL HEAD MACHINE SCREW OVAL HEAD WOOD SCREW OPENING. OPPOSITE	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC VERT. VEST. W. W/ W/ W.C. WWF	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL VINYL BASE VINYL COMPOSITION TILE VINYL COVERED TACKBOARD VINYL WALLCOVERING VERTICAL VESTIBULE WEST WITH WATER CLOSET WELDED WIRE FABRIC
H. IN. ISC. I.O. ID. IUL.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OFFICE OPPOSITE HAND OVAL HEAD MACHINE SCREW OVAL HEAD WOOD SCREW OPENING. OPPOSITE PLYWOOD EDGE NAILING	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC VERT. VEST. W. W/ W.C. WWF WD.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL VINYL BASE VINYL COMPOSITION TILE VINYL COMPOSITION TILE VINYL COMPOSITION TILE VINYL WALLCOVERING VERTICAL VESTIBULE WEST WITH WATER CLOSET WELDED WIRE FABRIC WOOD
IH. IIN. I	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVERALL OBSCURE ON CENTER OVERALL OBSCURE ON CENTER ON CENTER OFFICE OPPOSITE HAND OVAL HEAD MACHINE SCREW OVAL HEAD MOOD SCREW OPENING. OPPOSITE PLYWOOD EDGE NAILING PLATE	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC VERT. VEST. W. W/ W/ W.C. WVF WD. W/O	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL VINYL BASE VINYL COVERED TACKBOARD VINYL WALLCOVERING VERTICAL VESTIBULE WEST WITH WATER CLOSET WELDED WIRE FABRIC WOOD WITHOUT
H. IN. ISC. IO. ID. IUL. I.C. O. OR # OM. .T.S. / .A. BS. .C. .D. FF. .H. .H.M.S. .H.W.S. PPG. .E.N. L. . LAM.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVERALL OBSCURE OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OFFICE OPPOSITE HAND OVAL HEAD MACHINE SCREW OVAL HEAD WOOD SCREW OPPOSITE PLYWOOD EDGE NAILING PLATE PLASTIC LAMINATE	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC VERT. VEST. W. W/ W.C. WVF WD. W/O WP.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED URINAL VINYL BASE VINYL COMPOSITION TILE VINYL COMPOSITION TILE VINYL COMPOSITION TILE VINYL WALLCOVERING VERTICAL VESTIBULE WEST WITH WATER CLOSET WELDED WIRE FABRIC WOOD
H. IN. ISC. IO. ID. ID. IUL.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVERALL OBSCURE OVERALL OBSCURE ON CENTER OVTSIDE DIAMETER OFFICE OPPOSITE HAND OVAL HEAD MACHINE SCREW OVAL HEAD MACHINE SCREW OVAL HEAD MACHINE SCREW OVAL HEAD WOOD SCREW OPENING. OPPOSITE PLYWOOD EDGE NAILING PLATE PLASTIC LAMINATE PLATE	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC VERT. VEST. W. W/ W. W/ W.C. WWF WD. W/O WP. W.R.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED UNIESS OTHERWISE NOTED UNIESS OTHERWISE NOTED UNIVL COVERED TACKBOARD VINYL COVERED TACKBOARD VINYL WALLCOVERING VERTICAL VESTIBULE WEST WITH WATER CLOSET WELDED WIRE FABRIC WOOD WITHOUT WATERPROOF
IH. IIN. IISC. IOD. ITD. IUL. I.I.C. O. OR # OM.	MISCELLANEOUS MASONRY OPENING MODULE, MODULAR MOUNTED MULLION NORTH NOT IN CONTRACT (N.I.C. ITEMS NOT PART OF THIS APPROVAL) NUMBER NOMINAL NOT TO SCALE OVER OVERALL OBSCURE OVERALL OBSCURE ON CENTER OUTSIDE DIAMETER OFFICE OPPOSITE HAND OVAL HEAD MACHINE SCREW OVAL HEAD WOOD SCREW OPPOSITE PLYWOOD EDGE NAILING PLATE PLASTIC LAMINATE	T.P.D. T.O.M. T.PL. T.O.S. TRD. T.S.R. T.V. T.W. TYP. UNF. U.O.N. UR. V.B. V.C.T. VCTB VWC VERT. VEST. W. W/ W.C. WVF WD. W/O WP.	THICK TOILET PAPER DISPENSER TOP OF MASONRY TOP OF PLATE TOP OF STEEL TREAD TOP SET RUBBER TELEVISION TOP OF WALL TYPICAL UNFINISHED UNLESS OTHERWISE NOTED UNLESS OTHERWISE NOTED UNILESS OTHERWISE NOTED UNIVL COVERED TACKBOARD VINYL COVERED TACKBOARD VINYL WALLCOVERING VERTICAL VESTIBULE WEST WITH WATER CLOSET WELDED WIRE FABRIC WOOD WITHOUT WATER RESISTANT

CONSULTANTS	VICINITY MAP
ARCHITECT GILBERT BARENG MANGINI ASSOCIATES, INC. 4320 W. MINERAL KING AVENUE, VISALIA, CA 93291 PHONE: 559.627.0530 FAX: 559.627.1926	CORCORAN HIGH SCHOOL N.T.S. 1100 LETTS AVE., CORCORAN, CA, 93212
STRUCTURAL ENGINEER JOHN ATILANO S-5176 LANE ENGINEERS INC. 979 NORTH BLACKSTONE STREET, TULARE, CA 93274 PHONE: (559) 688-5263 FAX: (559) 431-1362	
MECHANICAL ENGINEERRYAN CARLSONM-34846LAWRENCE ENGINEERING GROUP7084 N. MAPLE AVENUE, SUITE 101, FRESNO, CA 93720PHONE: 559.431.0101FAX: 559.733.1362	
ELECTRICAL ENGINEERE-18786STEVEN K. EASTHAME-18786ROSE SING EASTHAM AND ASSOCIATES INC.131 S. DUNWORTH STREET, VISALIA, CA 93292PHONE: 559.733.2671FAX: 559.733.0372	
PROJECT SCOPE	DOOR NUMBER (•) KEYNOTE
THE WORK INCLUDES ALTERATIONS AND REHABILITATION TO (1) EXISTING CLASSROOM BUILDING.	FRAME TYPE FRAME TYPE WALL ASSEMBLY ELEVATION NUMBER INTERIOR ELEVATION SHEET NUMBER HET NUMER HET NUMER HET NUMBER HET NUMBER HET NUMBER H
DEFERRED APPROVALS INSTALLATION OF DEFERRED APPROVAL ITEMS SHALL NOT BE STARTED UNTIL THE CONTRACTOR'S DRAWINGS SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR	BLDG. SECTION NUMBER
STRUCTURAL ENGINEER AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. 1. NONE	GENERAL NOTES
APPLICABLE CODES	1. CUTTING, BORING, SAW CUTTING, OR DRILLING THROUGH NEW OR EXISTING STRUCTURAL MEMBERS WILL BE PERMITTED ONLY WHERE INDICATED ON THE DRAWINGS, OR WHEN ACCEPTED BY THE ARCHITECT.
ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND THE FOLLOWING REGULATIONS :	2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGED DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCB

TITLE 24, CCR.

PROJECT.

ORDINANCES.

5.

PART 1, TITLE 24, CCR.

TITLE 24 CCR. AMENDED) PROTECTION.

MODERNIZATION AT CORCORAN HIGH SCHOOL SCIENCE BUILDING

1100 LETTS AVE., CORCORAN, CA, 93212

CORCORAN UNIFIED SCHOOL DISTRICT

1520 PATTERSON AVE., CORCORAN, KINGS COUNTY, CA, 93212 **PROJECT TRACKING NUMBER: 63891-35**

- 1. 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 CCR.
- 2. 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR. 3. 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR.
- 4. 2019 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 CCR.
- 5. 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR.
- 6. 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR. 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR.
- 8. 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11,
- 9. 2019 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CCR. 10. TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
- 11. 2016 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE, (CA AMENDED) 12. 2016 NFPA 80 STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES. 13. 2016 NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, (CA
- 14. 2017 NFPA 17A STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS. 15. 2016 NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS, (CA AMENDED)
- 16. 2016 NFPA 20 STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE
- 17. 2016 NFPA 24 STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES, (CA AMENDED) 18. 2015 NFPA 2001 STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, (CA AMENDED)
- REFERENCE CODE SECTION FOR NFPA STANDARDS 2019 CBC (SFM) CHAPTER 35. SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.
- OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317 (c), PART 1, TITLE 24, CCR).

6. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE

ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE

WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION

3. A "DSA CERTIFIED" CLASS 3 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT

4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT

(OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION

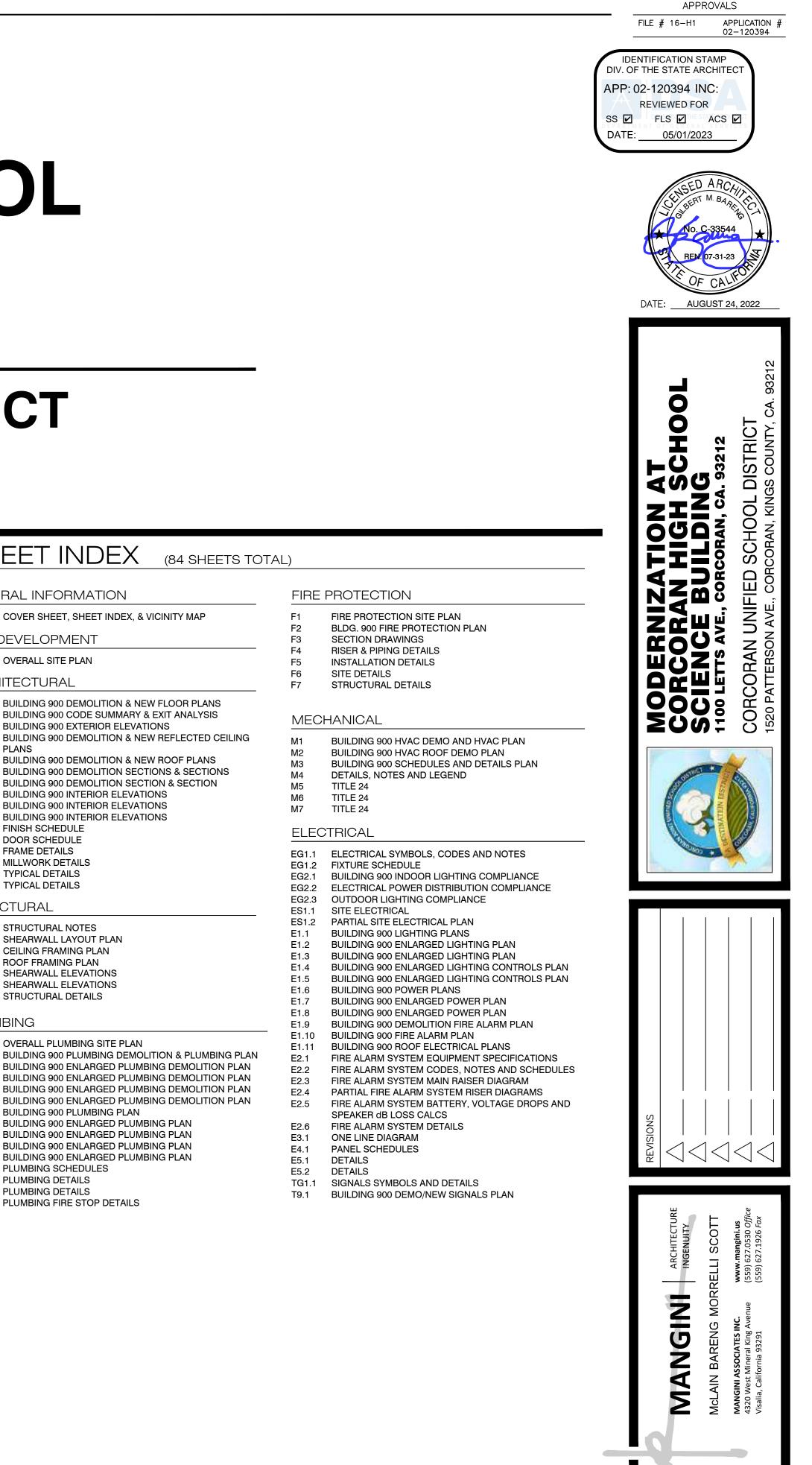
OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342,

(OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS,

AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL

- 7. THE DRAWINGS AND SPECIFICATIONS ARE BASED ON LIMITED FIELD INVESTIGATION. CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS PRIOR TO THE BID NECESSARY TO ACCOMPLISH THE WORK WHETHER SPECIFICALLY INDICATED OR NOT.
- 8. THE STORAGE OF MATERIAL AND EFFECTS OF WORK SHALL BE APPROVED BY LOCAL FIRE AUTHORITY. COMPLY WITH CALIF. FIRE CODE CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION. COMPLY WITH CBC CHAPTER 33, SAFETY DURING CONSTRUCTION.



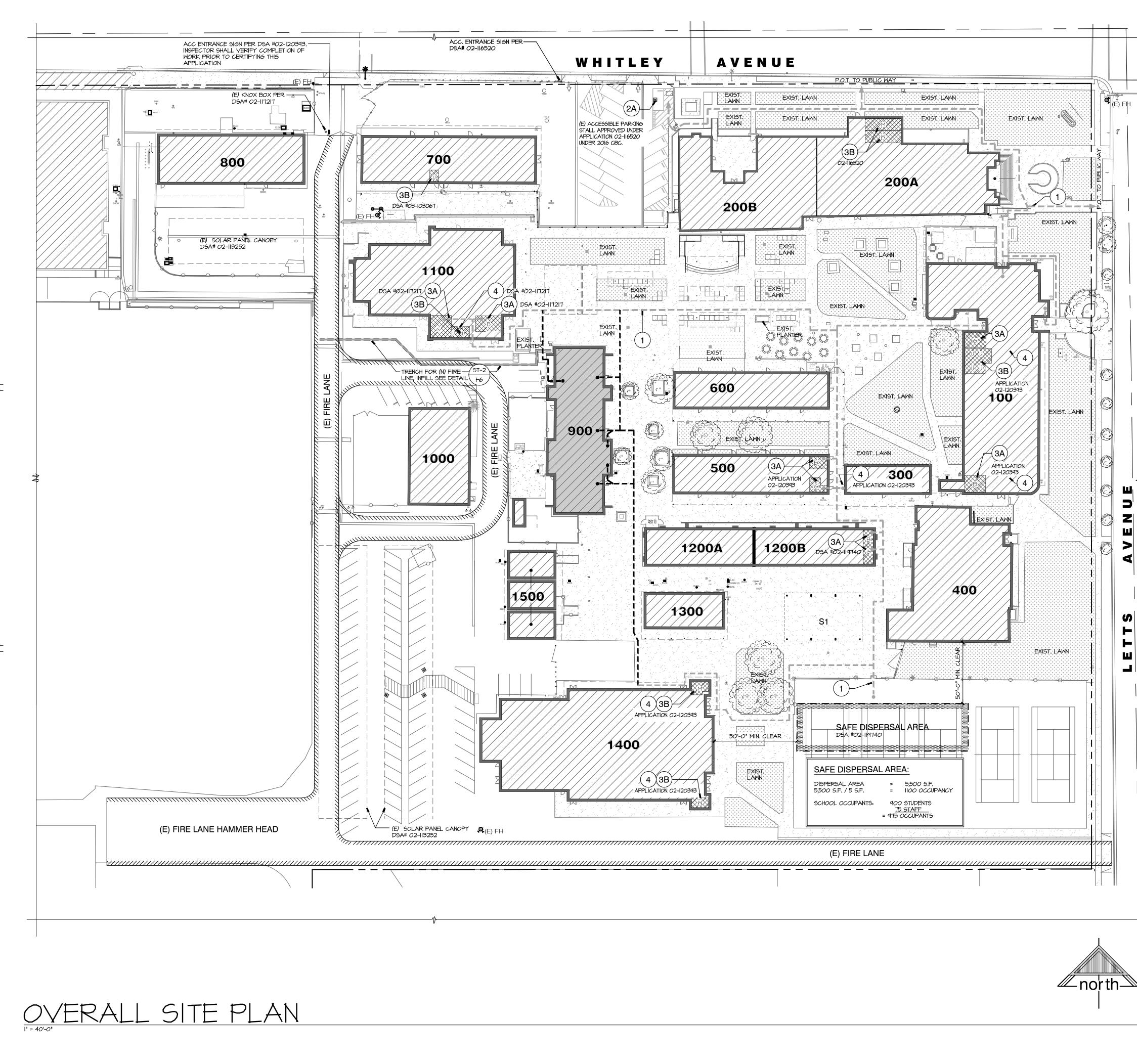
COVER SHEET

SHEET INDEX,

VICINITY MAP

G1

PROJECT _____1751a___



DSA PR-1501

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

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

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT" (FORM DSA 140).

SITE PLAN LEGEND:

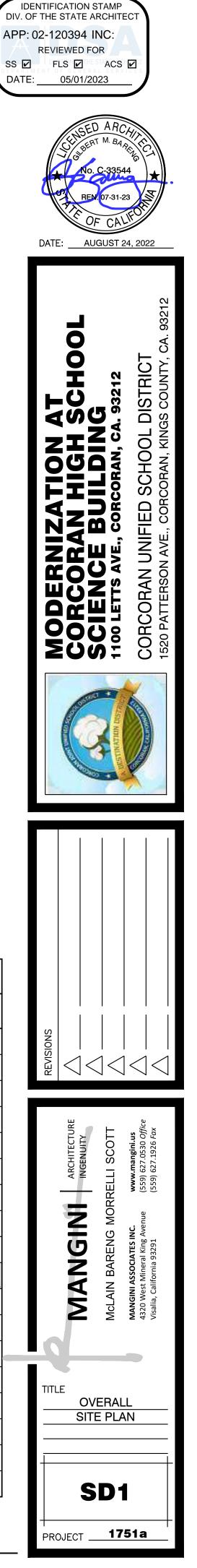
EXISTING BUILDING WITH WORK		PROPERTY LINE
EXISTING BUILDING WITH NO WORK	•	ACCESSIBLE PATH OF TRAVEL PER THIS APPLICATION
ACCESSIBLE TOILETS	>	EXISTING ACCESSIBLE PATH OF TRAVEL PER DSA #02-117217, 02-119740, \$ 02-120393
EXISTING CONCRETE TO REMAIN, PROTECT		EXISTING 20' WIDE FIRE LANE
EXISTING LANDSCAPE TO REMAIN, PROTECT	q (E) FH	(E) FIRE HYDRANT

SITE PLAN NOTES:

- ACCESSIBLE PATH OF TRAVEL :
 - PATH OF TRAVEL (P.O.T.) AS VERIFIED BY THE ARCHITECT IS: A COMMON BARRIER FREE ACCESSIBLE ROUTE AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL.
 - THE PATH SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. - PASSING SPACES AT LEAST 60" × 60" ARE LOCATED NOT
 - MORE THAN 200' APART (11B-403.5.3). - CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART (IIB-403.7).
 - CROSS-SLOPE DOES NOT EXCEED 2%.
 - SLOPE IN THE DIRECTION OF TRAVEL IS 5% OR LESS UNLESS OTHERWISE INDICATED AS A RAMP.
 - MAINTAIN P.O.T. FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL OR EDGE AND 27" ABOVE FINISH GRADE (11B-307.4).
 - ACCESSIBLE PARKING
- AT PARKING LOT:
- (2A)23 PARKING STALLS = I ACCESSIBLE STALL PER CBC TABLE IIB-208.2, DSA# 02-116520 I (E) VAN ACCESS. STALL PROVIDED (THEREFORE OKAY) PARKING LOT APPROVED UNDER 2016 CBC.
- (3A) ACCESSIBLE STUDENT TOILET:
- ACCESSIBLE BOYS (B) AND GIRLS (G) STUDENT TOILET. SEE SITE PLAN FOR DSA APPLICATION NUMBER. STUDENT TOILET FACILITIES IN BUILDING 1100 SERVE BUILDING 900.
- (3B) ACCESSIBLE STAFF TOILET: ACCESSIBLE MEN (M), WOMEN (W) AND UNISEX STAFF (U) TOILET. SEE SITE PLAN FOR DSA APPLICATION NUMBER. STAFF TOILET FACILITIES IN BUILDING 1100 SERVE BUILDING 900.
- (4) ACCESSIBLE DRINKING FOUNTAIN: ACCESSIBLE HI - LO DRINKING FOUNTAIN. SEE SITE PLAN FOR DSA APPLICATION NUMBER. DRINKING FACILITIES IN BUILDING 1100 SERVE BUILDING 900.

BUILDING SUMMARY

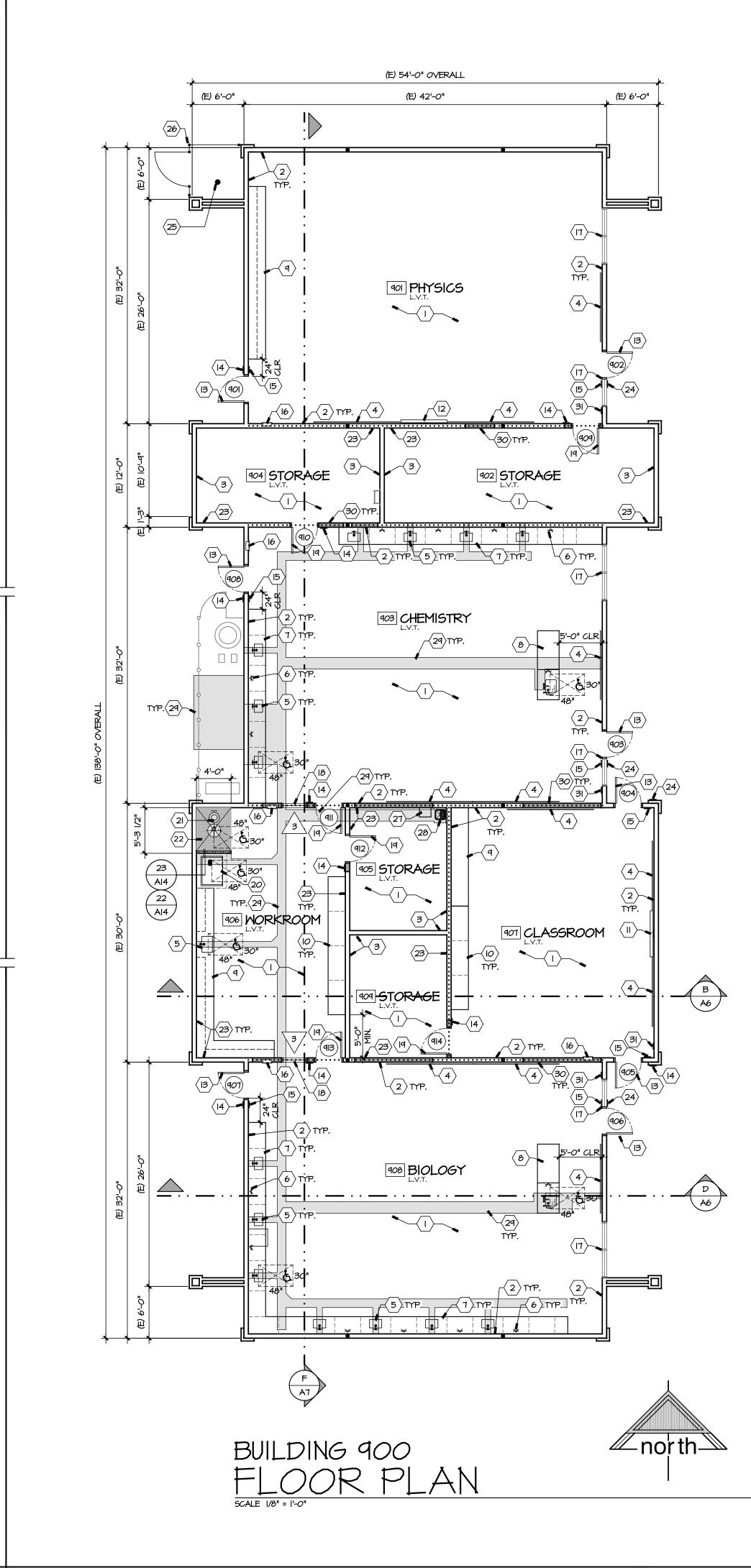
BLDG.	DESCRIPTION	OCCUP. TYPE	CONSTR. TYPE	AREA (S.F.)	D.S.A. #	MOD.	FIRE SPRINKLERED
100	ADMINISTRATION & CLASSROOM	E	III-A	24,117 (2 STORY)	2570	65496 02-115872 03-103067	NO
200A	AUDITORIUM	A-I	III-A	11,392	2571	02-116520	YES
2 <i>00</i> B	CLASSROOMS	E	III-A	8,141	2571	65496 02-115872	NO
300	CLASSROOMS	E	III-A	1,776	2572	65496 02-115872 03-103067	NO
400	SMALL GYM	A-3	III-A	9,244	2570	-	NO
500	CLASSROOMS	E	∨-в	4,233	5293	6781 48848	NO
600	CLASSROOMS	ASSROOMS E V-B				6781	NO
700	ART / ROTC	E	∨-в	5,800	14634	03-103067	NO
800	WELDING SHOP	E	∨-в	4,863	31991	03-103067	NO
900	SCIENCE	E	∨-в	6,300	40318	-	YES THIS APPLICATION
1000	AG SHOP	E−I	∨-в	4,161	6702	03-103067	NO
1100	CTE CLASSROOMS	A-3, B, E	∨-в	9,774	02-117217	-	YES
1200A	CLASSROOMS	E	∨-в	2,880	02-119740	-	NO
12 <i>00</i> B	CLASSROOMS	E	∨-в	3,200	02-119740	-	NO
1300	CLASSROOMS	E	∨-в	2,100	03-102027	-	NO
1400	LARGE GYM	A-4	III-A	16,222	20675	-	NO
1500	RELOCATABLE CLASSROOMS	E	∨-в	2,880	56065	-	NO
SI	SHADE STRUCTURE	A-3	II-B	2,560	02-119740	-	NO



APPROVALS

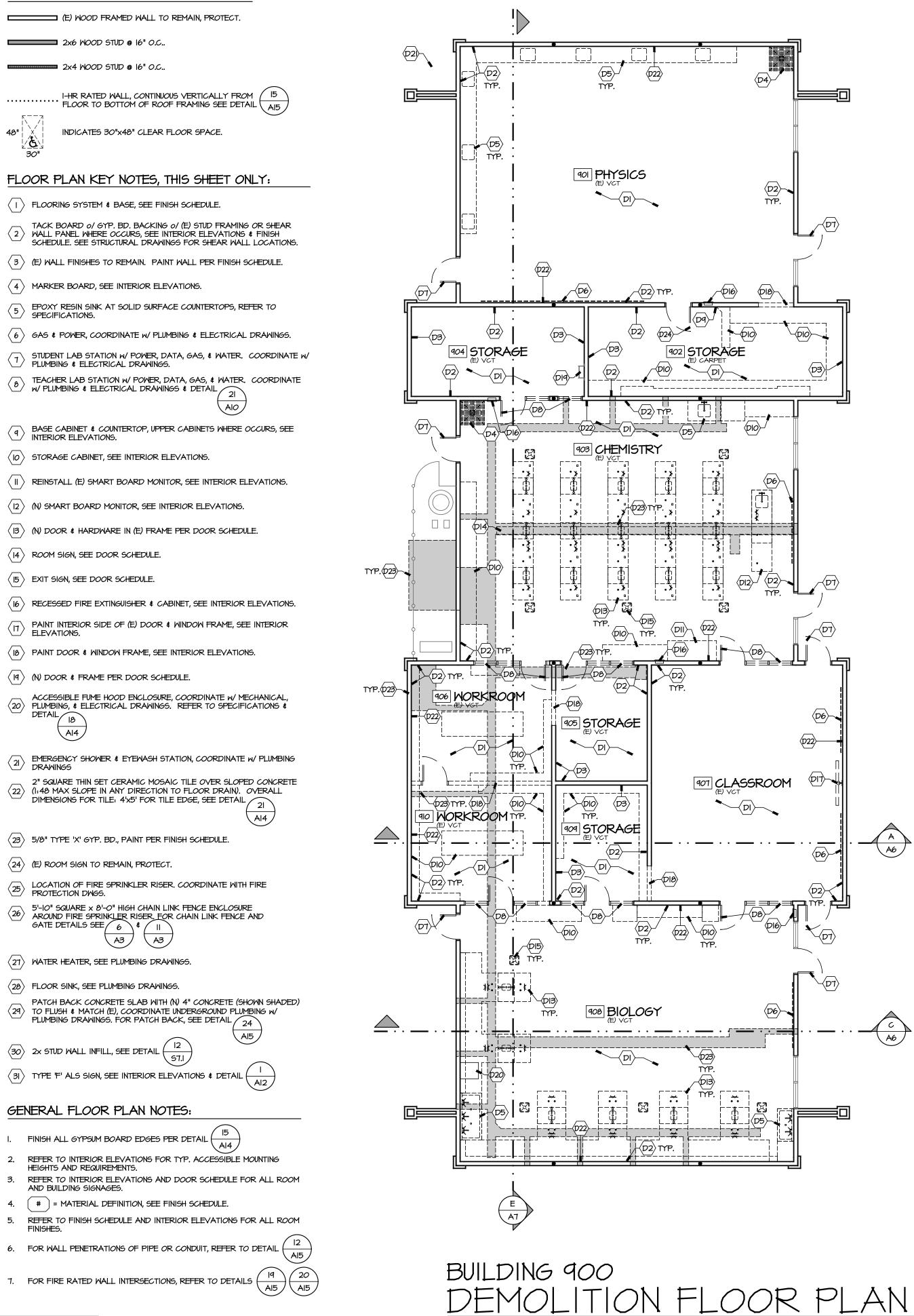
APPLICATION # 02-120394

FILE # 16-H1



F:\01 projects\1751a\Drawings\01 architectural\03 sheets\1751_A1_FIr PIn-Bldg900-FIrPIns.dwg Apr 20 2023 11:06am

FLOOR PLAN LEGEND:



SCALE 1/8" = 1'-0"



APPROVALS

DEMO. FLOOR PLAN LEGEND:

(E) OBJECT TO REMAIN, PROTECT.

_ _ _ _ _ (E) OBJECT TO BE DEMO'D./REMOVED

(E) 2x STUD WALL TO REMAIN

□======= (E) 2x STUD WALL TO BE REMOVED

DEMOLITION PLAN KEY NOTES, THIS SHEET ONLY:

- DI REMOVE (E) FLOORING & BASE, PREP FOR (N) FLOORING & BASE PER FLOOR PLAN.
- REMOVE (E) WALL FINISHES TO EXPOSE STUD FRAMING & SHEAR WALL WHERE OCCURS. PREP FOR (N) WALL FINISH O/ (E) STUD FRAMING & SHEAR WALL. REFER TO STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS.
- (D3) (E) WALL FINISHES TO REMAIN, PROTECT. U.O.N. PREP FOR PAINT.
- $\langle D5 \rangle$ REMOVE (E) BASE CABINETS, COUNTERTOP, & SINK.
- $\langle D6 \rangle$ REMOVE (E) MARKER BOARD.
- DT REMOVE (E) DOOR & HARDWARE, FRAME TO REMAIN. PREP FOR (N) DOOR & HARDWARE IN (E) FRAME PER FLOOR PLAN.
- $\langle D^{q} \rangle$ (E) FIRE ALARM CONTROL PANEL & DATA, THIS WALL. COORDINATE w/ ELECTRICAL DRAWINGS.
- (DIO) REMOVE (E) CABINETS & SHELVING.
- (DII) REMOVE (E) FUME HOOD, COORDINATE W/ MECHANICAL & PLUMBING DRAWINGS.
- (DI3) REMOVE (E) BUILT-IN STUDENT DESKS, COORDINATE W/ PLUMBING & ELECTRICAL DRAWINGS.
- (DI4) REMOVE (E) PLUMBING TRENCH, COORDINATE W/ PLUMBING DRAWINGS, PREP FOR CONCRETE INFILL.
- \langle DI5 \rangle REMOVE (E) FLOOR SINKS, COORDINATE W/ PLUMBING DRAWINGS.
- (DI6) REMOVE (E) FIRE EXTINGUISHER CABINET.
- DIT TEMPORARILY REMOVE (E) SMART BOARD MONITOR & PREP FOR REINSTALL PER FLOOR PLAN.
- $\langle DI8 \rangle$ REMOVE (E) WALL AS REQUIRED FOR NEW OPENING PER FLOOR PLAN.
- $\left< \text{DI9} \right>$ (E) ROOF ACCESS LADDER TO REMAIN, PROTECT.

 $\langle D6 \rangle$

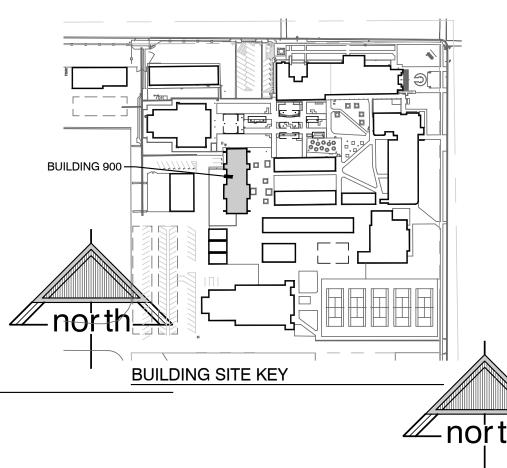
(D22)-

(DI7

\ A6 /

\ A6 _

- (20) LOCATION OF (E) IDF, COORDINATE W/ ELECTRICAL DRAWINGS.
- $\langle p_{21} \rangle$ prepare area for (N) fire sprinkler riser & chain link fence enclosure. REMOVE PORTION OF (E) PLYMOOD SHEAR WALL, THIS SIDE ONLY, AS REQUIRED TO INSTALL (N) ELECTRICAL / PLUMBING / INSULATION. COORDINATE (N) PLYWOOD SHEAR WALL INSTALL WITH STRUCTURAL
- DWGS. WHERE OCCURS. (D23) SAW CUT (E) CONCRETE SLAB AS REQUIRED FOR (N) PLUMBING, SEE PLUMBING DRAWINGS.
- $\stackrel{\mbox{\sc p24}}{=}$ Remove (E) door & frame in its entirety, prep for stud infill per floor plan.





FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and Imaged onto the fire access site plan. When an alternate design means is proposed, of sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional informatics refer to the instructions at the and of Inis Torriving DSA Policy PE-09-017 Fire Flow for Buildings.

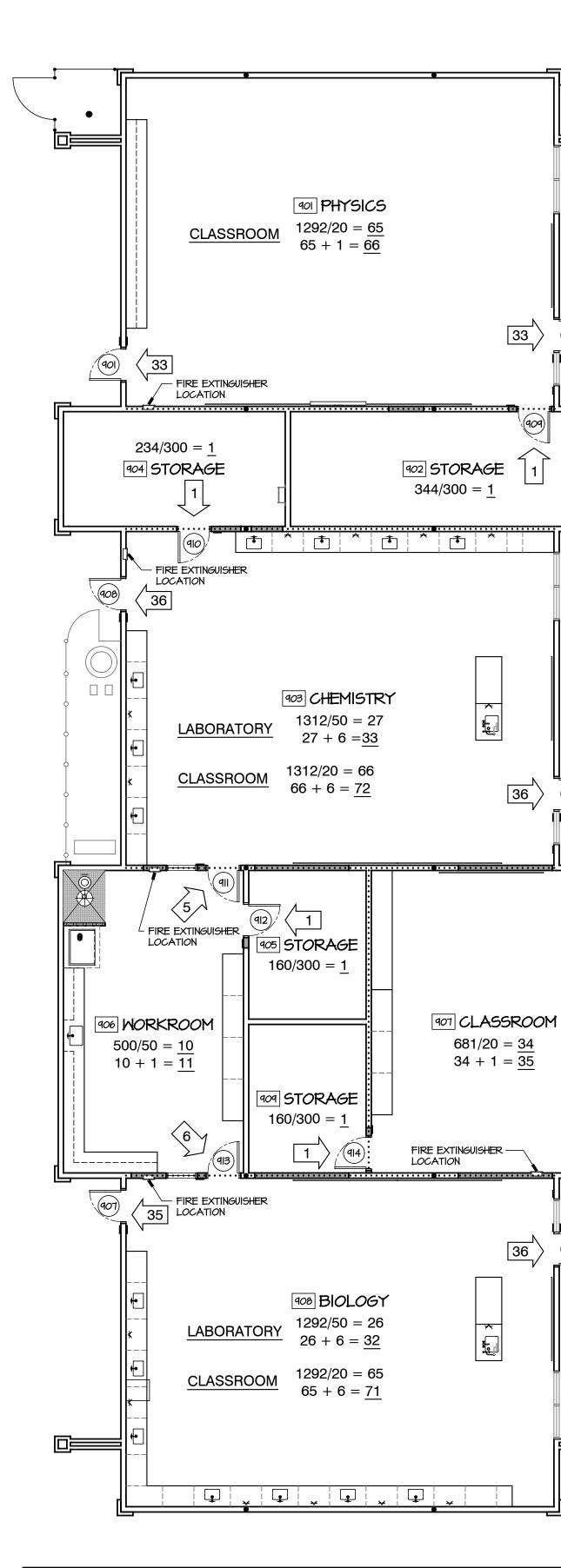
DUN	Nučis:
PR	DJECT INFORMATION
 इक	gol Digtrict/Owner
a second second	lect Name/School CORCC
	ecl Address: H100 LETTS
	E & LIFE SAFETY INFOR
1.	Hers a file hydrant flow te
2	Was the firs hydrant was roviow?
21	Is the project located with (FHS2) describitioned by (below)
	Referito grafic towing we http://ogis.fre.co.gov/FH
	Wildland Interface Area (Impuvements of CBC Ch
co	NDITION MEANS AND M
4	Emergency instruction acco
	Acceptable Alternate: bij tha project provide: protection of the and pro
5 a	Fire Hydrante: Number
58.	Acceptable Alternate: the project architect is a property-
Б.	Fire Hydrants: Water 8
हिव्य-	Deceptable Atternater providing(fre) soppressio
Ŕ.	Location of the department atomologic systems does
fe	Acceptable Alternate: Are sprinkler system and suppression and project
Scht	ol District Acceptance o
Build India	ឆ្នាំវ៉ោញកើតប៉ុន្តា៍កេះប៉ែត្ត ទទំពាល កេដ្ឋាយនៃខេត្ត (CBC) នៅថា លេងកែ នាមថានា Rama និងហើង- និង ជា
r Acce	piced byr. Charles
Sign	starstr <u>. UMI des 4</u>
LO	CAL FIRE AUTHORITY (L
	AgenpyNamet KINGS
g	Review Official: (AARO)
Contraction of the	FIRE MARSHAL
-200	COLOGI JAARUN PARR
lfa.	ห็ลมังพร"ะ มีฐารในซรั <u>เ</u>
6a.	The location of the pre
Inc. S	054 818 (motioad 4209.00)

810

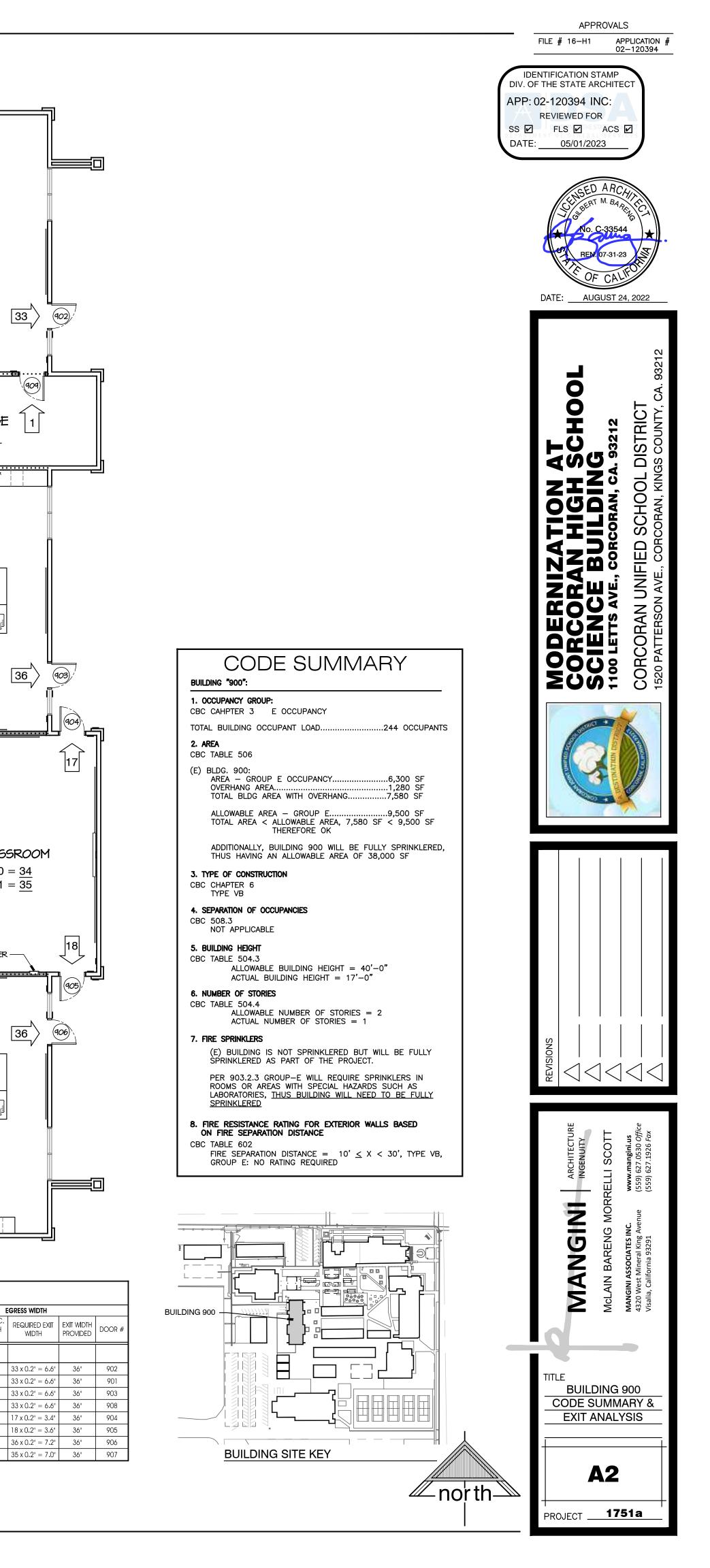
Division of the State Architect (DSA) dopuments referenced within this publication Dreavelleble contrie DSA Forms of DSA, Publications readoages:

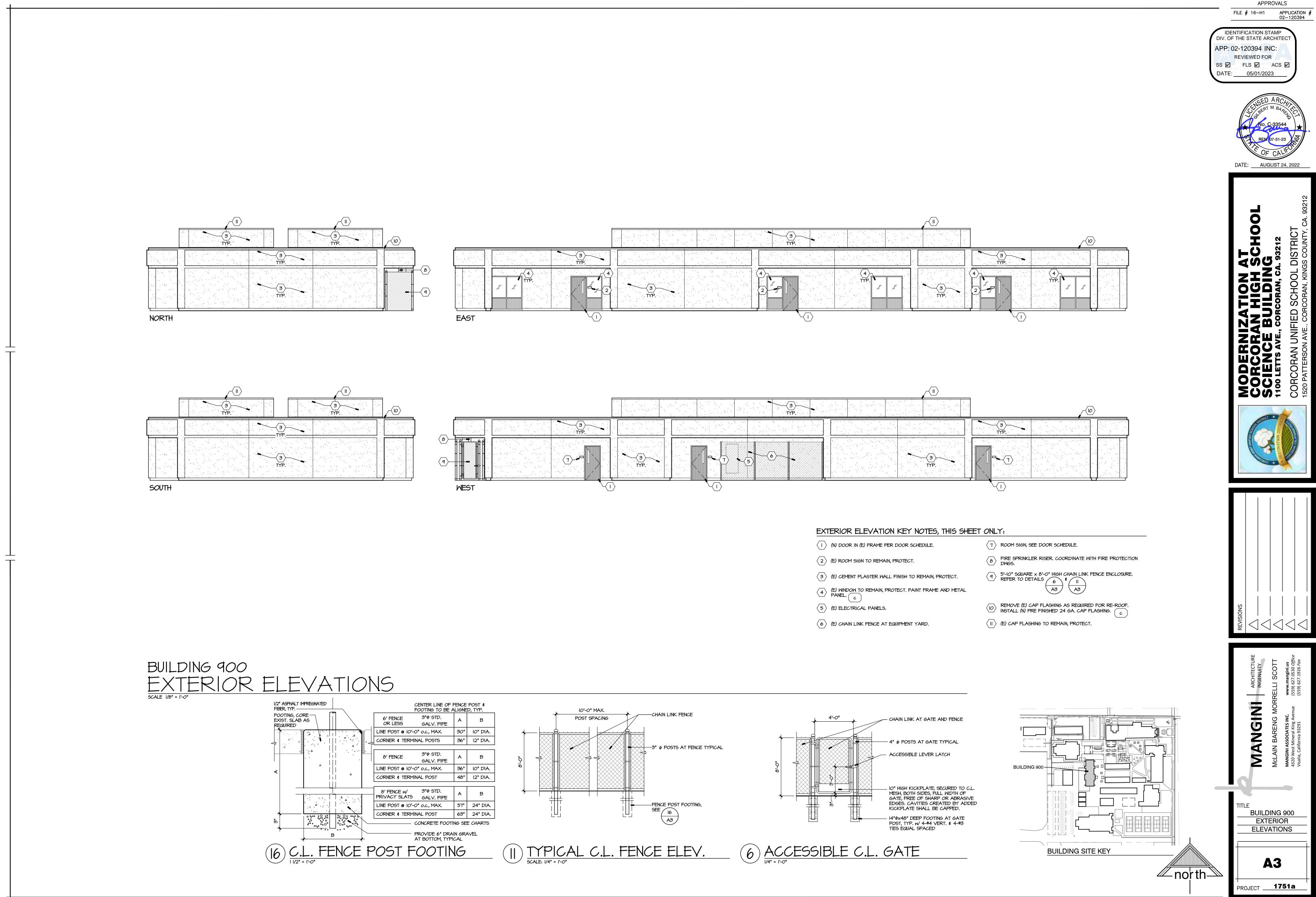
To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information all time of project sobmittal for projects consisting of construction of a new complet, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and the suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Addrowiedgement by the school district and signature from the Local Fire Authority (LFA) is only required when lan alternate design maans is being requested.

PROJEC	TINFORMATION												
School D	RENEW WHEN CORCORAN JOINT UNIFIED SCHOOL DISTRICT												
Pirojąci N	amarşa saf CORCORAN HIGH SCHOOL												
Project A	diffess: H100 LETTS AVE. ODRCORAN, CA 53212 "												
FIRE & L	IFE SAFETY INFORMATION	<u>.</u>											
1. IRes	a file hydrant flow-test teem performed within the past 12 months?	Yes 🗹		Na									
le Wee	(If yes, provide 6 copy of the rest date.) Was the fire-hydrant water flow test performed 5s part of this EFA Mes IE review?												
ka larih VPH	aviow7 s the project (oceated within a designable) fire hazard severity zone FtSz (despetiablished by Call-Fire? (// yes, indicate FHSZ blassification, elow.)												
	s' jo gjer fotowing website for FHBZ (sications) Noais fire oa gavi FHSZ/	Moderate 🗆	High Ci:	VelyP	igh (1)								
lwik Irequ	and Interface Area (WIEA) fit any designations are checked, project wements of CBC Chapter 7A	de sign valuat di	aithe	WIFA									
CONDIT	ION MEANS AND METHODS RESOLUTION	ALTI	ERNATE A	CONFIL	10								
4. En	vergency wathcharaccass reactiverys do not these CFC institutioneds.	LYes.		NYA T V									
- Byi	ceptable Alternate: Emorgency vehicle and personnal access as pro the project architect is acceptable for previoing the suppression and accounter we and properly.	posod											
5a Fi	e Hydrante: Number and specing does not meet GFC requirements.												
1.65	Acceptable Alternate: Number of the hydrafts and seacing as proposed by the project arctituact is acceptable tor the suppression and protection of life and property.												
5. FN	e Hydrants: Water flaw and pressure are loss from CRC minimum.												
574- 574 574	copicable Attenzates The scalable fick and pressure is eccepted for សំព័នព្រកន សរុបសាននេះ នេះជាប្រជានាជាដែរ នៅ Mariahat property.												
ta lo api	calión de tro department conviscuoría) parving, tica aphinktor, avalorna, ndelpo avalorna dosa not vincel CFC requirementa.	<u>ज</u>		r y r									
i ji žire	capiable Alternatic: The location of fire department connection services is brinkler system and/or standpipe system is acceptable for providing pression and projection of the and property.	ng Bhei) fire:											
រូចរើឆ្នាំណិត រៀមកែត្រសំ លិចឆង់ទៀន	etrict Acceptance of Acceptable Design Alternates this form the school district acknowledges with school of the propose add (CB2) and Chilfords Fire Code (CFC) minimum requirements a atterne 44 Set 64 or 74. For providing the and Moselloty protection of any Chaches Party at the set of the set of protection of any Chaches Party at the set of the	a indicated by a	na or more ty	nal (be e	onditio								
ງກາວໂທງຊີ	thate fine	Ciarte;	04/27/23										
OCAL	TRE AUTHORITY (LEA) INFORMATION												
	npyNamer KINGS COUNTY FIRE DEPARTMENT												
	REMARSHAL	et Photes 158	91852.288	d									
a state of the second s	AARON PARREIRA@CO KINOS CA.US			1									
	wo's Signalant D. Aaron Parraina	Qate:	4/27/23										
a. The	location of the preposed fire hydrant is acceptable by forg	ga Equnity Fi	ne Sepeli	monį.									
CS[054]	DEPARTMENT OF CENERAL SE	dvines.	STATE	Pag OF CAU	e 2614 OF NU								

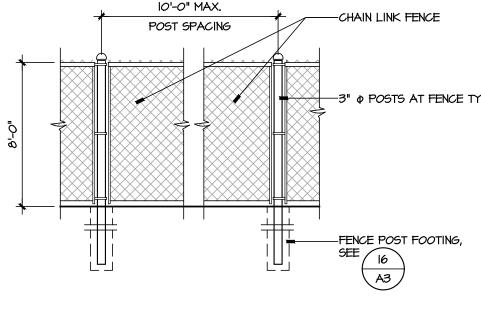


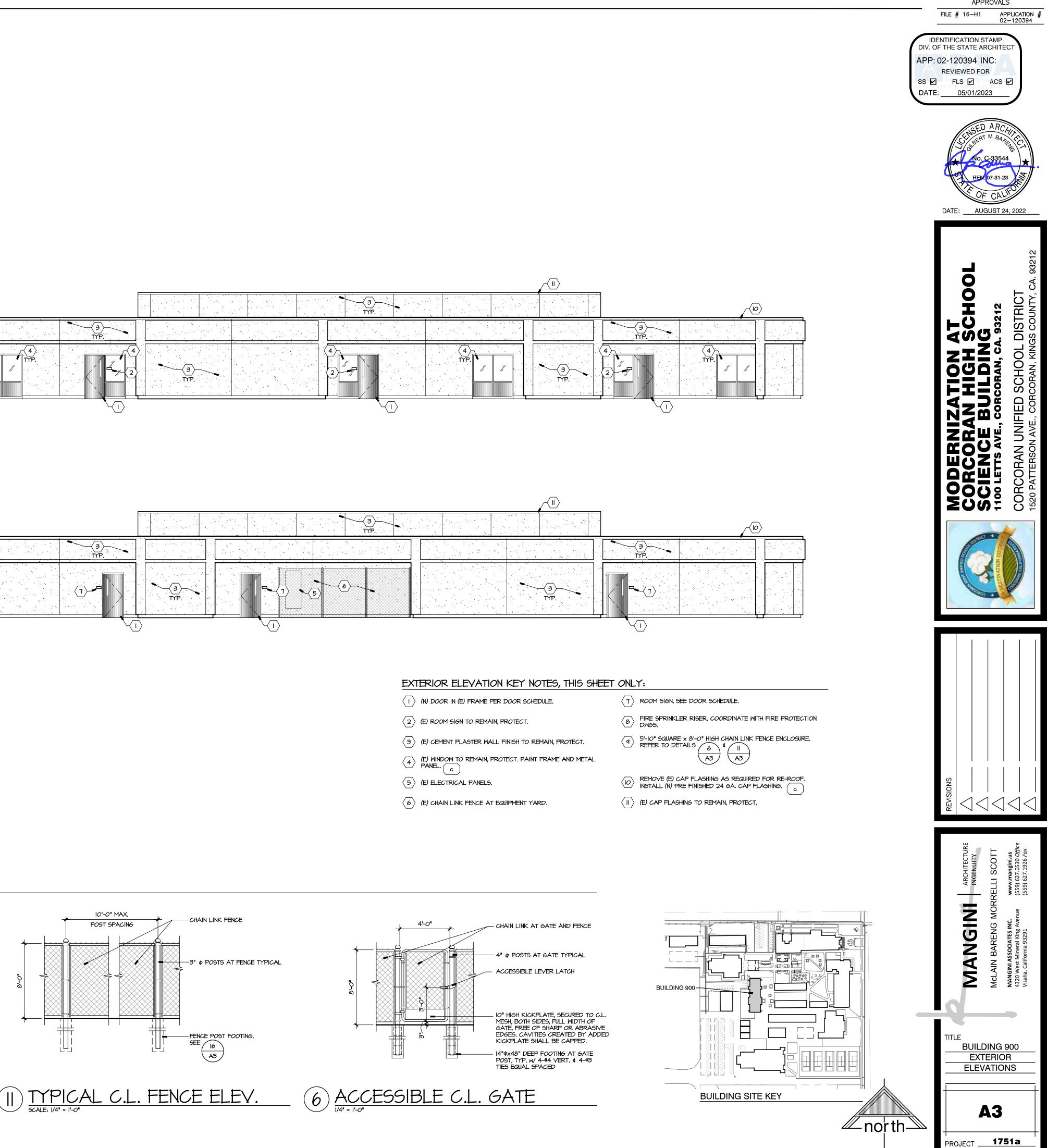
			EXI	ΤΑΝ	JALY	SIS	1
CALCULATED OCCUPANTS WITH ACCESSORY OCCUPAN CBC 1004	ITS EXITING		NUMBER OF REQUIRED EXITS CBC 1006.3.1	NUMBER OF PROVIDED EXITS	EGRESS WIDTH PER OCCUPANT SERVED CBC 1005.1		# OF O Throu EXI
BUILDING 9	200						
ROOM 901 - PHYSICS	E-OCC.	66	66 > 50 =	2 EXITS	0.2" PER OCC.	EXIT 1	33
			2 EXITS REQ.	PROVIDED	CBC 1005.3.2	EXIT 2	33
ROOM 903 - CHEMISTRY	E-OCC.	72	72 > 50 =	2 EXIT	0.2" PER OCC.	EXIT 1	33
			2 EXIT REQ.	PROVIDED	CBC 1005.3.2	EXIT 2	33
ROOM 907 - CLASSROOM	E-OCC.	35	35 < 50 =	2 EXITS	0.2" PER OCC.	EXIT 1	17
			1 EXIT REQ.	PROVIDED	CBC 1005.3.2	EXIT 2	18
ROOM 908 - BIOLOGY	E-OCC.	71	71 > 50 =	2 EXIT	0.2" PER OCC.	EXIT 1	36
			2 exit req.	PROVIDED	CBC 1005.3.2	EX I T 2	35

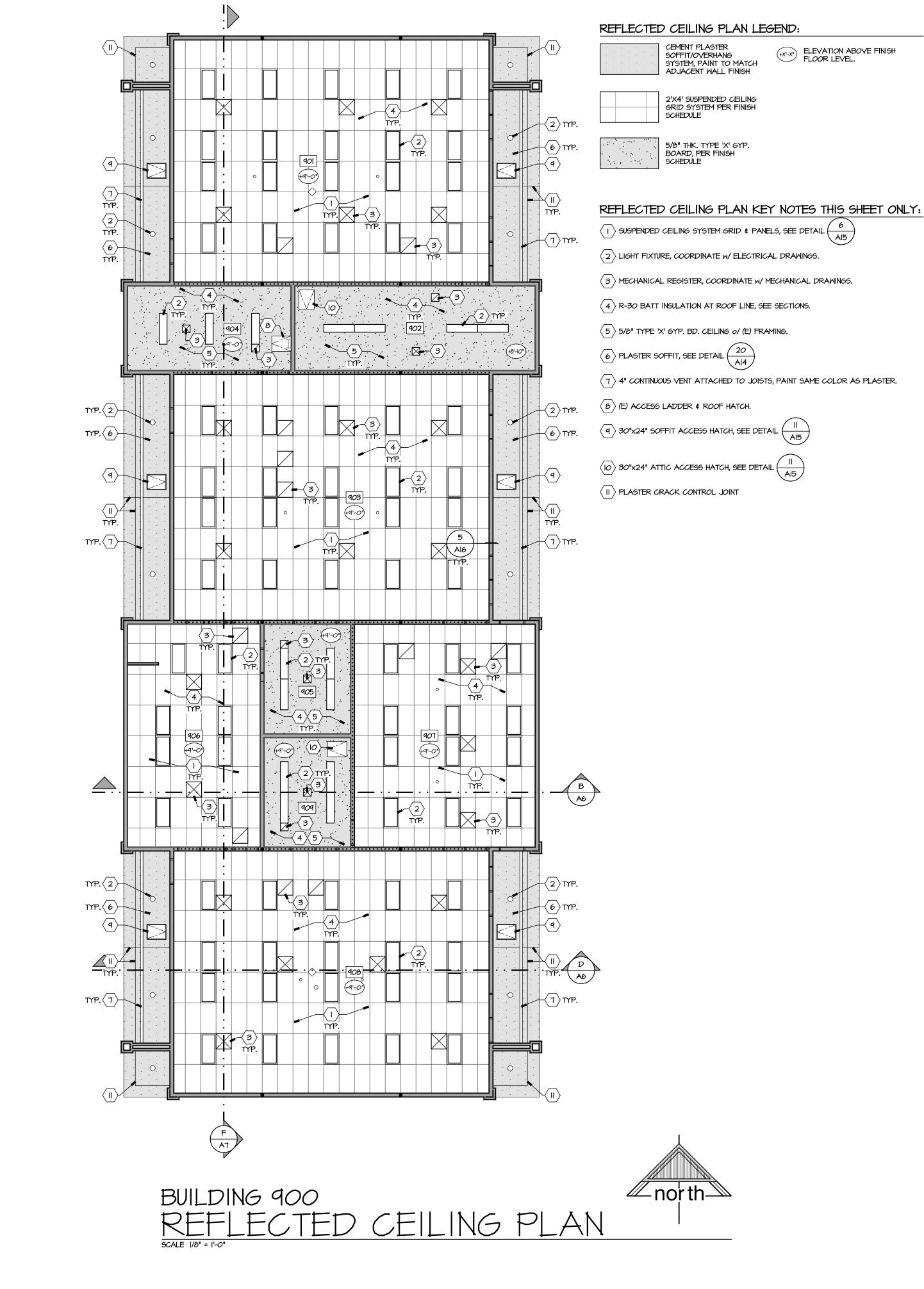




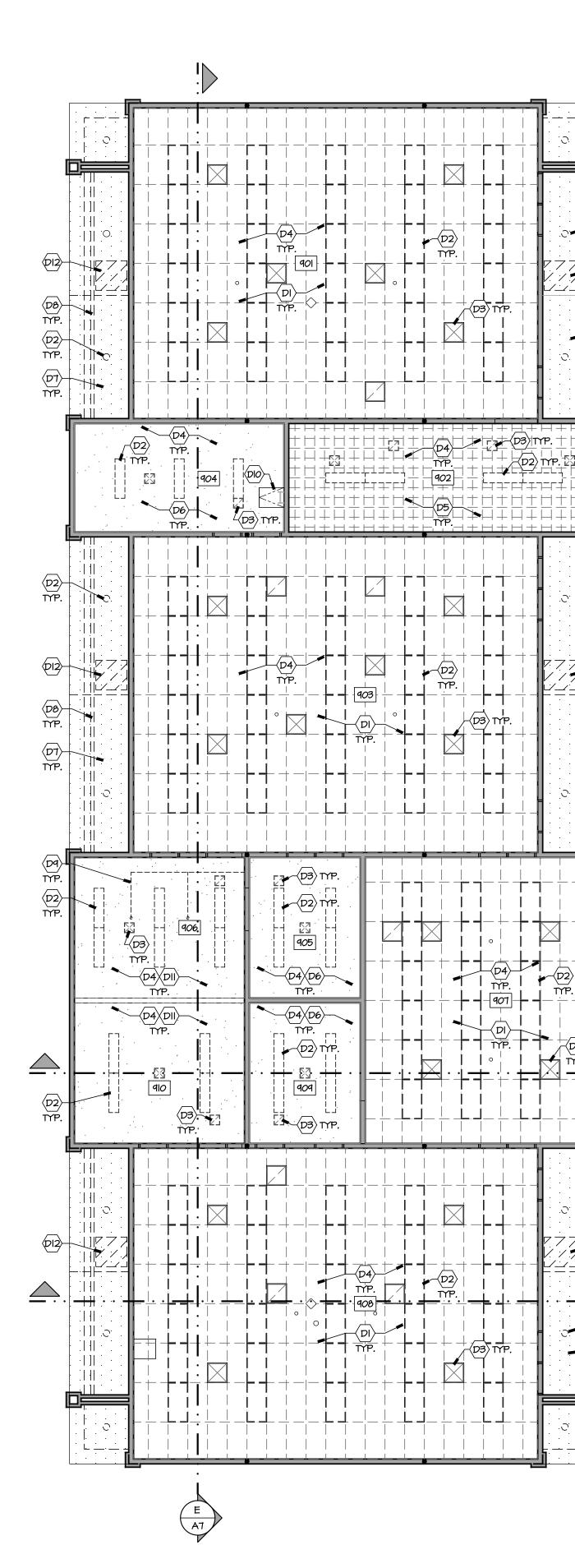
F:\01 projects\1751a\Drawings\01 architectural\03 sheets\1751_A3_ExtElev-Bldg900.dwg Apr 20 2023 11:06am



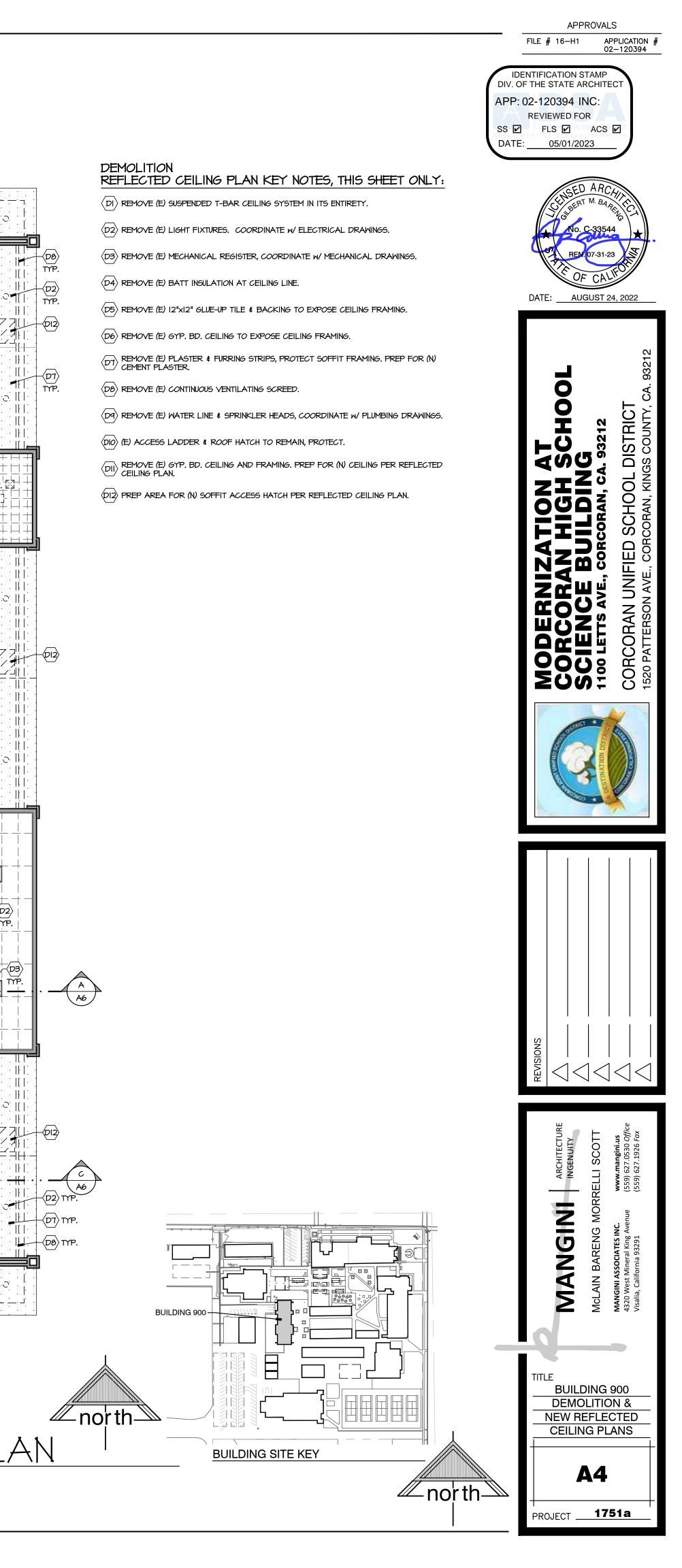


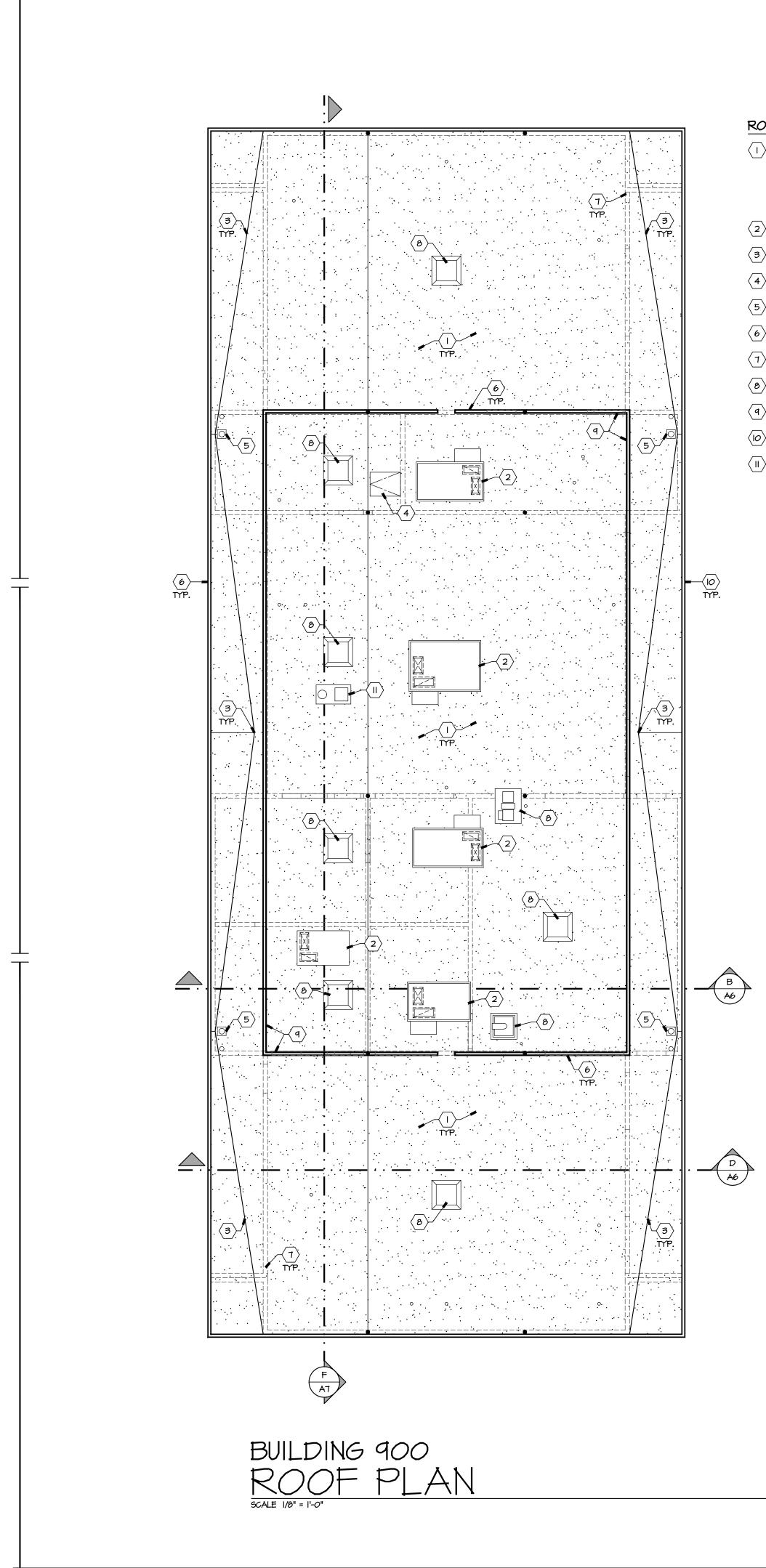


F:\01 projects\1751a\Drawings\01 architectural\03 sheets\1751_A4_Ref Clg Plns-Bldg900.dwg Apr 20 2023 11:06am





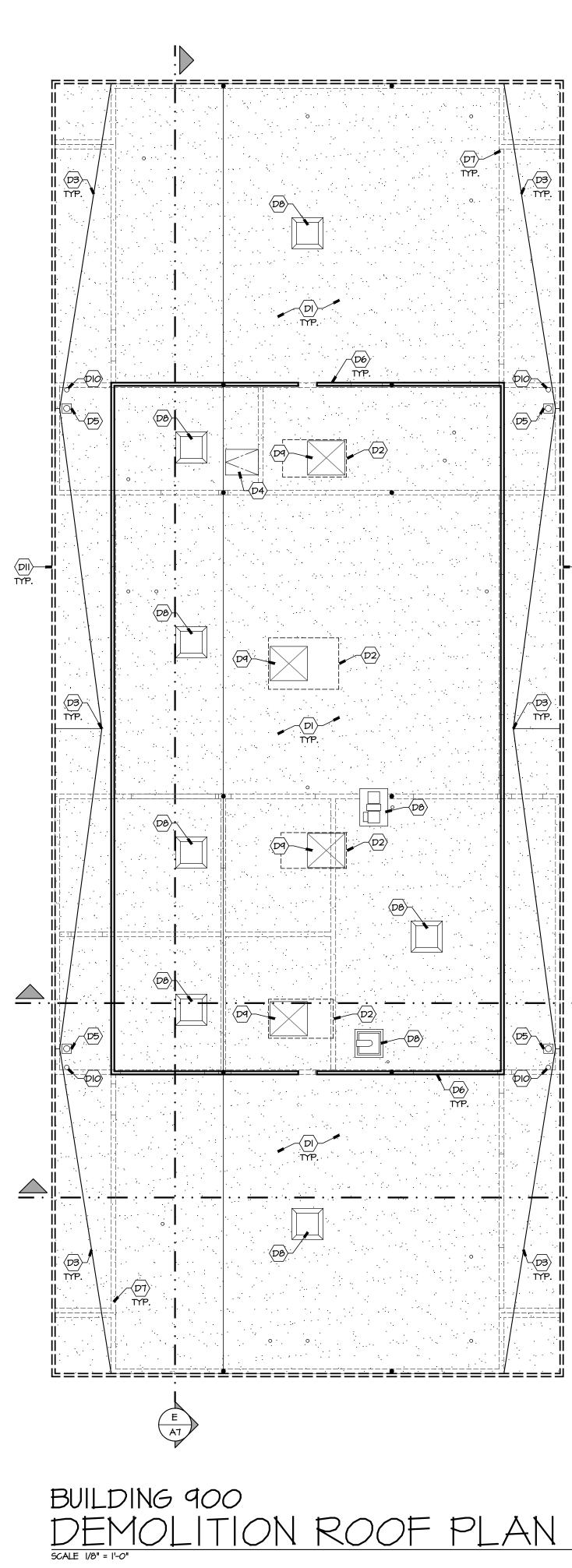


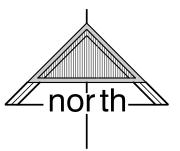


F:\01 projects\1751a\Drawings\01 architectural\03 sheets\1751_A5_Rof Plns-Bldg900.dwg Apr 20 2023 11:06am

ROOF PLAN KEY NOTES, THIS SHEET ONLY:

- CLASS 'A' BUILT-UP ROOFING SYSTEM 0/ (E) PLYWOOD ROOF DECK, PATCH PLYWOOD DECK AS REQUIRED AT REMOVED EQUIPMENT FOR (N) ROOFING. FOR TYPICAL ROOF ASSEMBLY, SEE DETAIL 14 FOR PATCHING OF (E) OPENINGS AT REMOVED A15EQUIPMENT, SEE DETAIL 22
- AI5 $\langle 2 \rangle$ (N) MECHANICAL UNIT, COORDINATE W/ MECHANICAL DRAWINGS.
- $\langle 3 \rangle$ (E) BUILT-UP CRICKET FRAMING, PROVIDE (N) BUILT-UP ROOFING.
- $\langle 4 \rangle$ (E) ROOF HATCH TO REMAIN, PROTECT
- $\langle 5 \rangle$ (E) ROOF DRAIN W/ NEW DEBRIS SCREEN.
- $\langle 6 \rangle$ (E) PARAPET CAP FLASHING TO REMAIN, PROTECT.
- $\langle 7 \rangle$ dashed lines denote wall lines below, typ.
- $\langle \vartheta \rangle$ (E) ATTIC VENT TO REMAIN, PROTECT.
- $\langle q \rangle$ paint inside face of mechanical screen.
- $\langle 10 \rangle$ continuous 24 GA. Metal coping, see detail $\begin{pmatrix} 21 \\ AI5 \end{pmatrix}$
- $\langle II \rangle$ Exhaust Fan, coordinate W/ Mechanical drawings & Detail $\begin{pmatrix} A \\ M4 \end{pmatrix}$







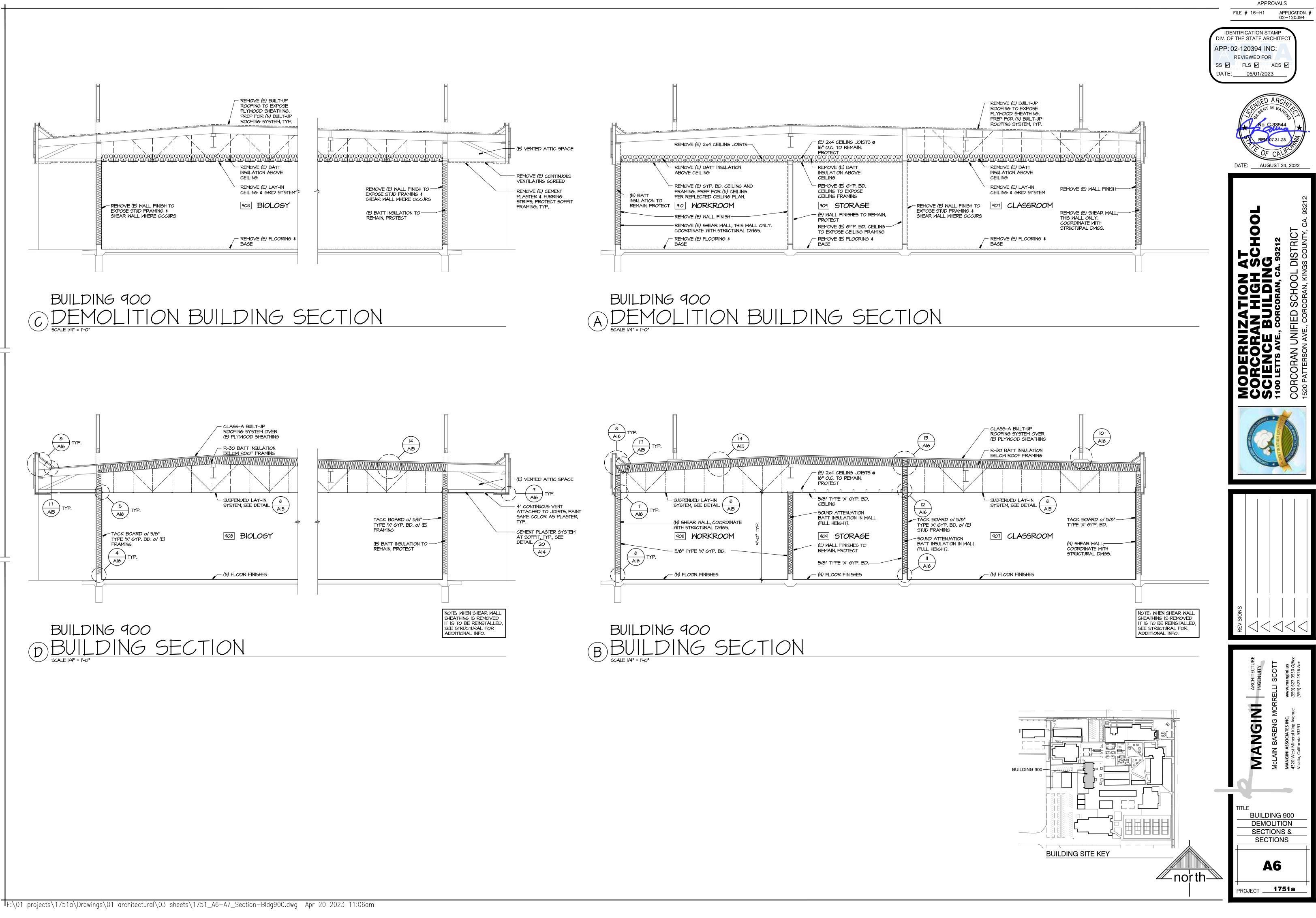
---(DII) (A) (A6) (C (A6)

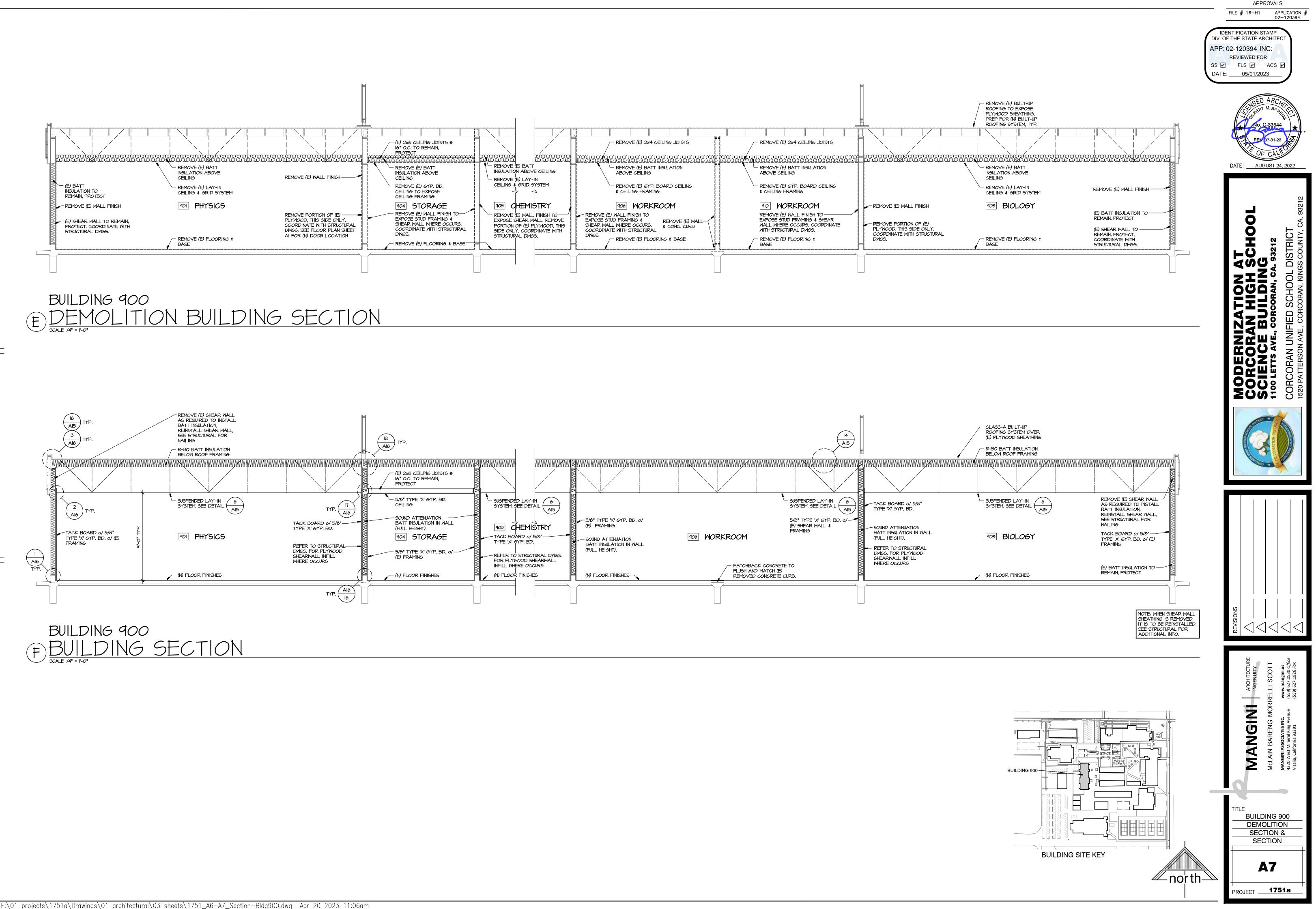
 $\langle D3 \rangle$ (E) CRICKET FRAMING TO REMAIN, PROTECT.

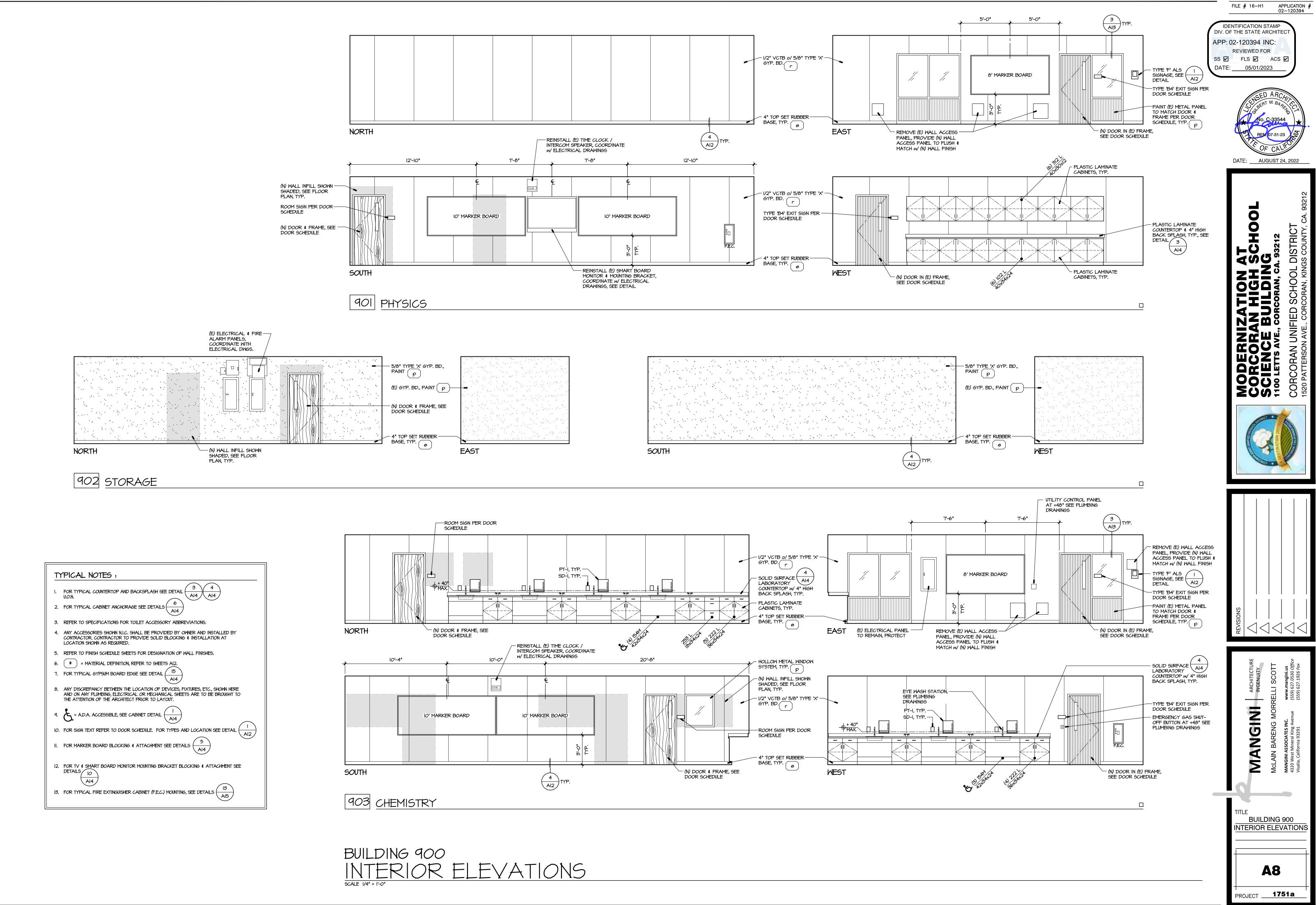
(D4) (E) ROOF HATCH TO REMAIN, PROTECT

 $\langle D \beta \rangle$ (E) ATTIC VENT TO REMAIN, PROTECT.

(E) ROOF OVERFLOW TO REMAIN, PROTECT.

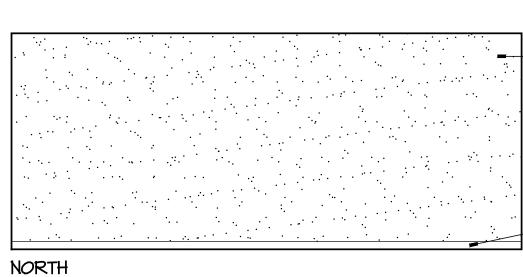






APPROVALS





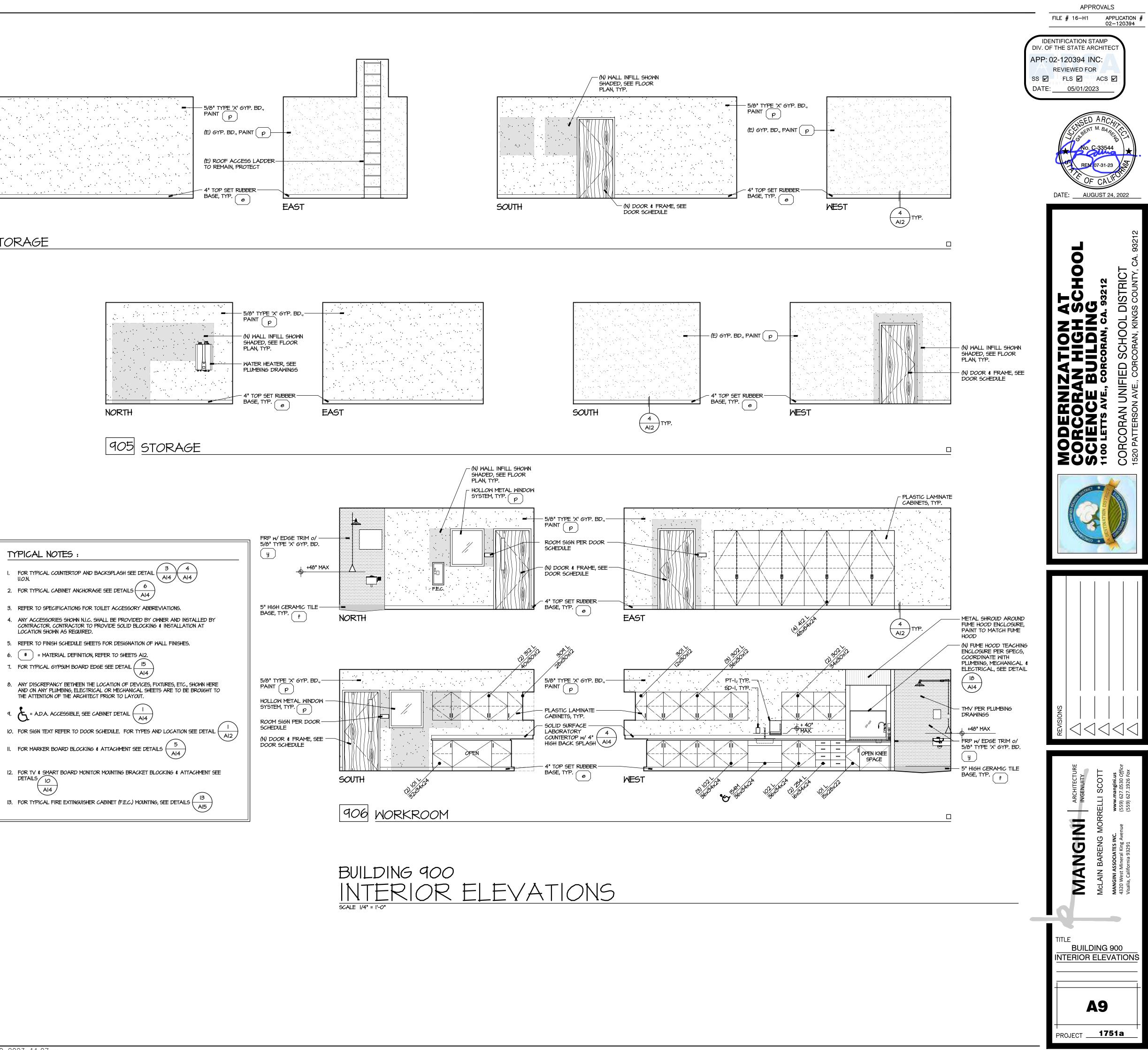
904 STORAGE

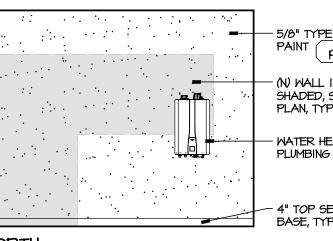


TYPICAL NOTES

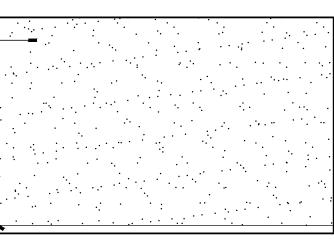
- 2. FOR TYPICAL CABINET ANCHORAGE SEE DETAILS (-
- LOCATION SHOWN AS REQUIRED. 5. REFER TO FINISH SCHEDULE SHEETS FOR DESIGNATION OF WALL FINISHES.
- 6. (#) = MATERIAL DEFINITION, REFER TO SHEETS AL2.
- 7. FOR TYPICAL GYPSUM BOARD EDGE SEE DETAIL (_
- THE ATTENTION OF THE ARCHITECT PRIOR TO LAYOUT.
- 9. f = A.D.A. ACCESSIBLE, SEE CABINET DETAIL $\begin{pmatrix} I \\ AI4 \end{pmatrix}$

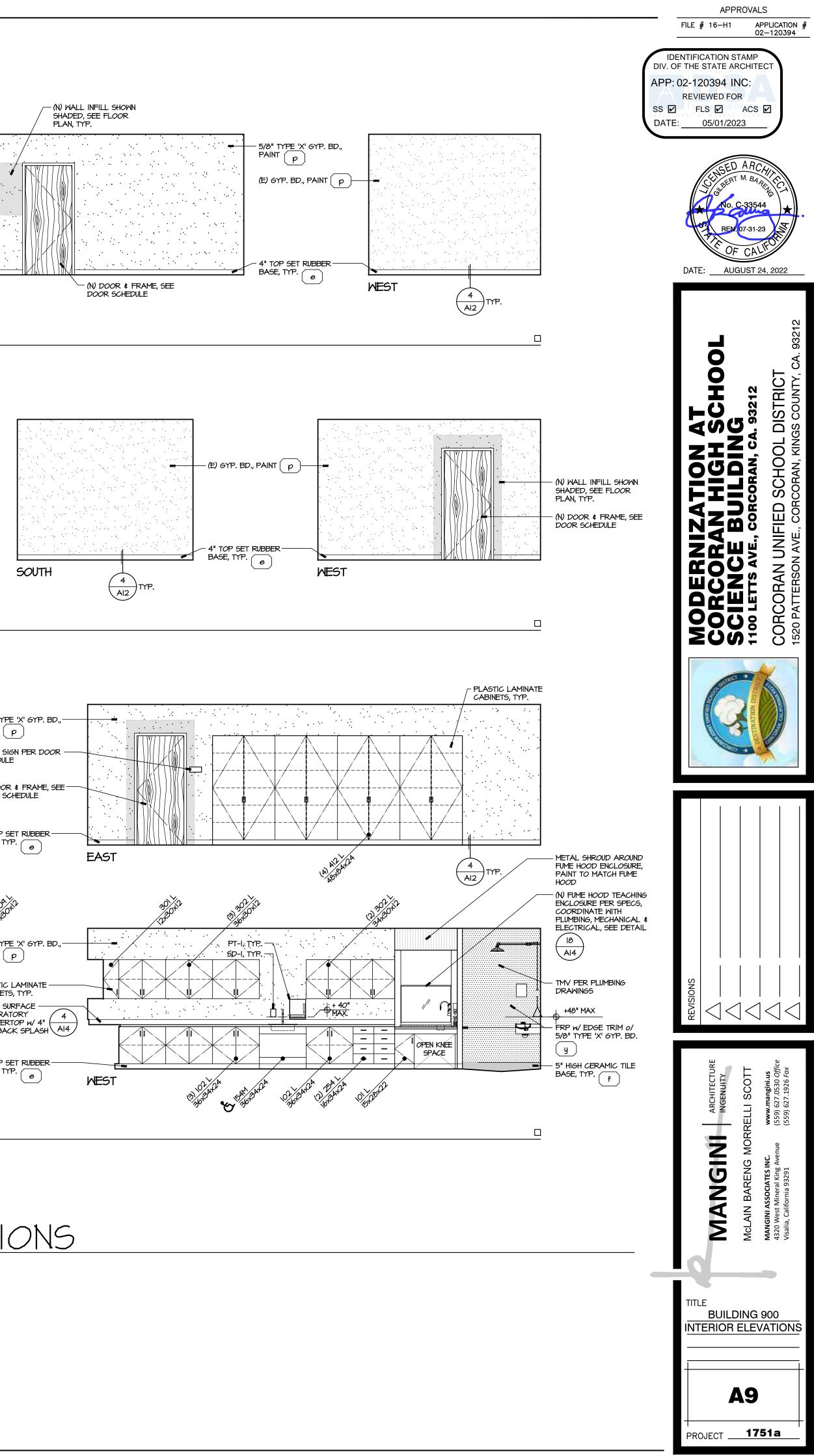
- DETAILS 10 Al4



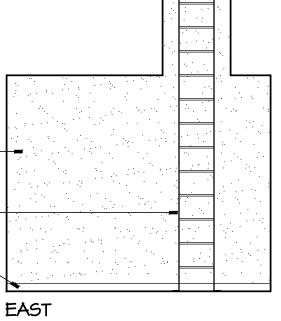


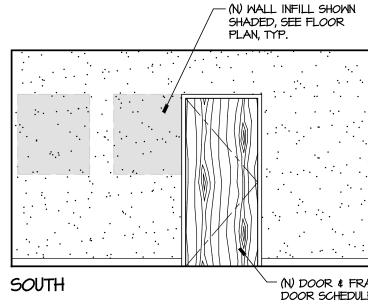


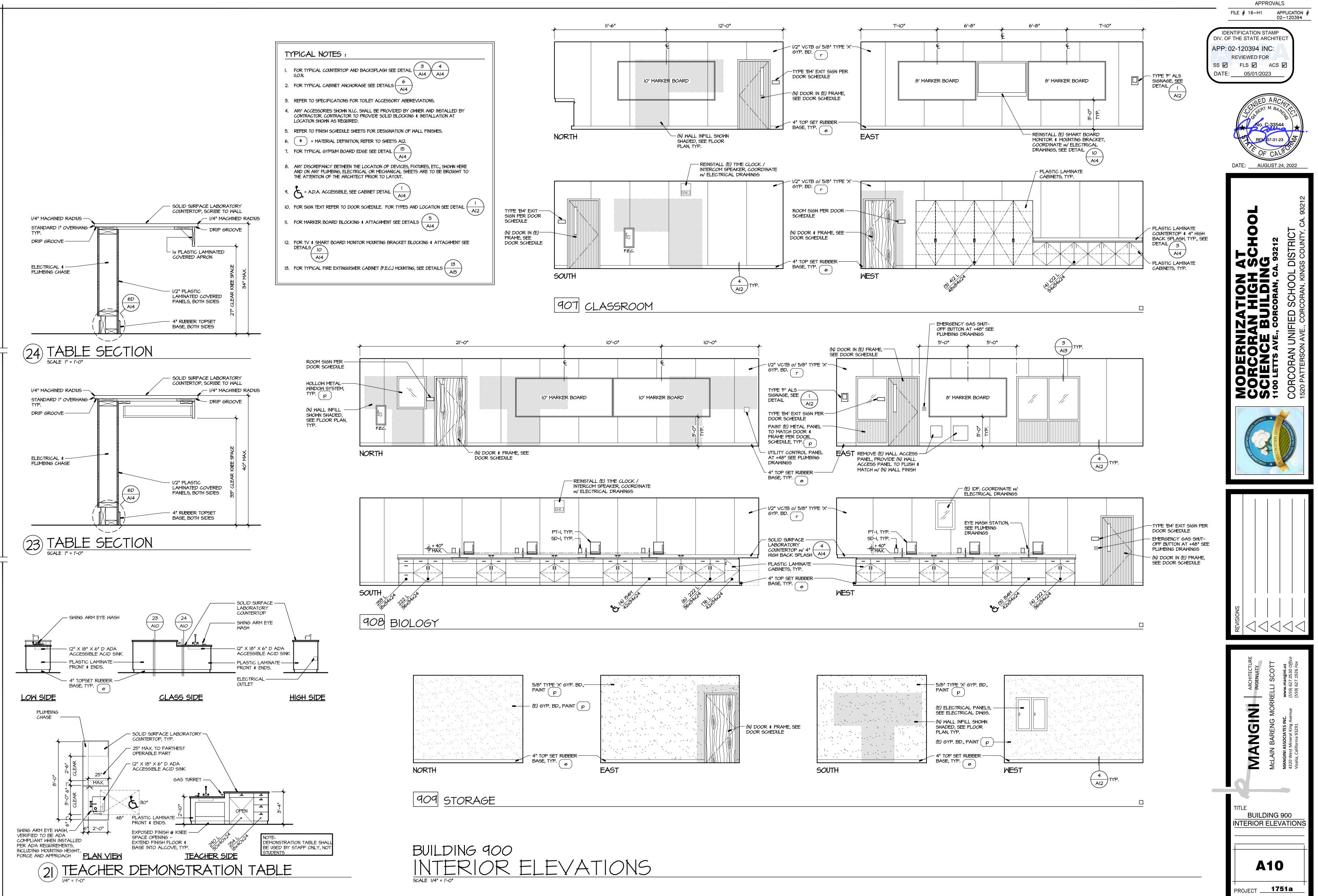




' ΤΥΡΕ 'X' GYP. BD., NT ρ SYP. BD., PAINT ρ	
ROOF ACCESS LADDER-	
REMAIN, PROTECT	
OP SET RUBBER	EAST







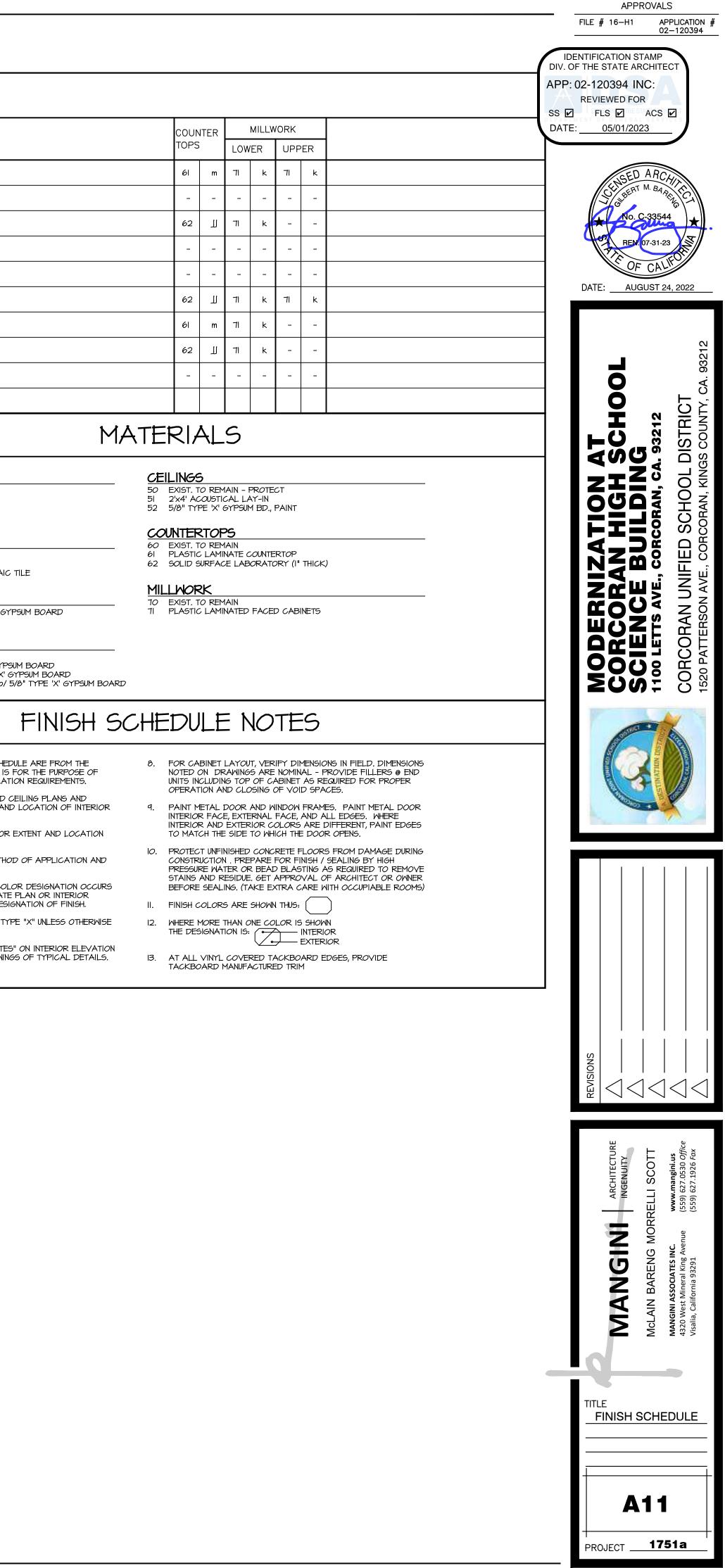
F:\01 projects\1751a\Drawings\01 architectural\03 sheets\1751_A8-10_Int Elev-Bldg900.dwg Apr 20 2023 11:07am

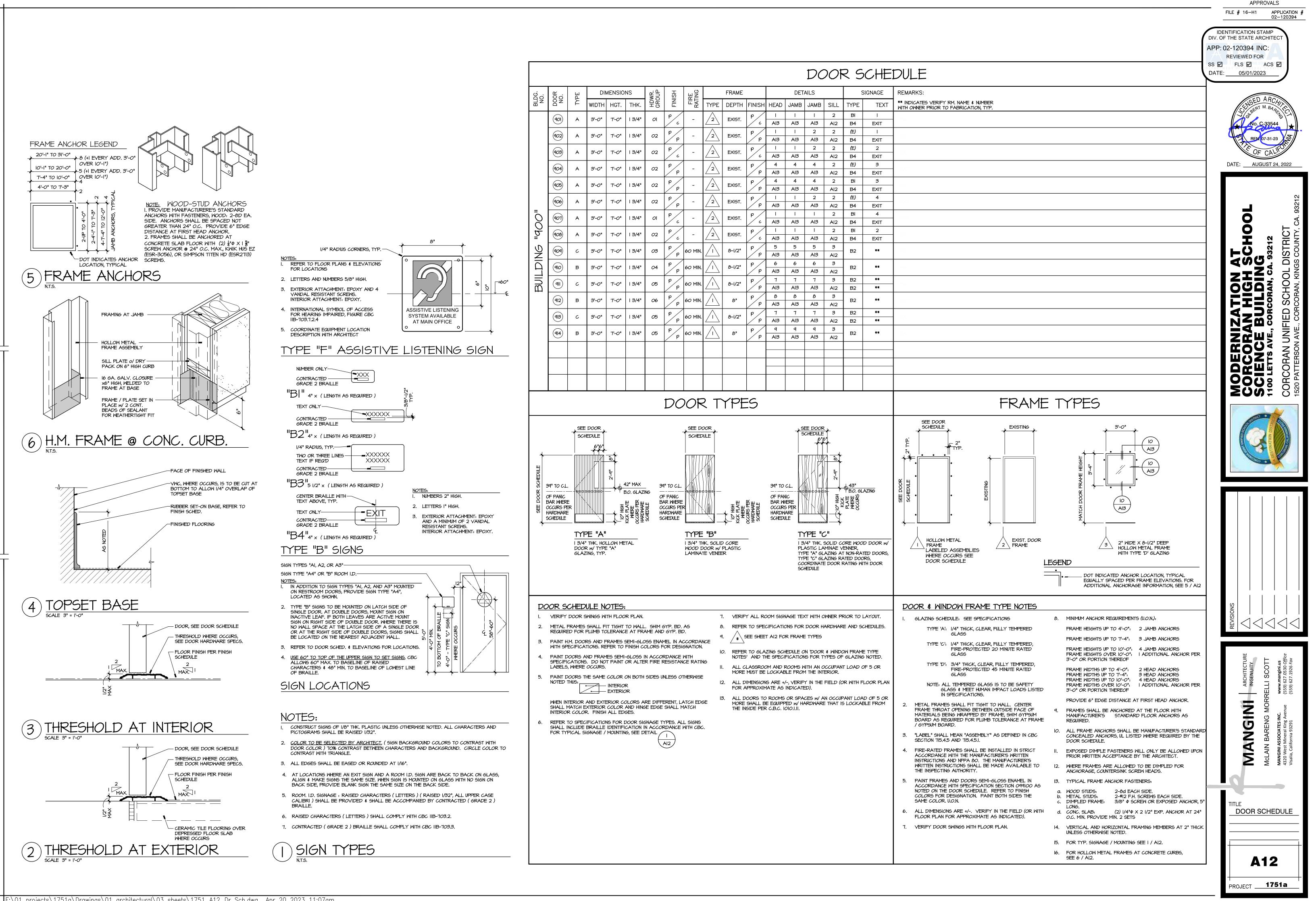
	_	
BLDG.		
	901	1
	902	:
=	903	
1001	904	:
ر 1	905	:
NING	906	
ΓD	907	
BUI	908	ł
	909	:
a		FE
b) MA MII	λTo
C) ма	
d) MA	λΤ¢
e) 'R(P
(†) 'D+ w/	۹L C
g) 'DA CU GR	٩L ST
h) של #X	114
[]	CA D W/ CA	AL Cl
) 'DA CU GF	٩L ST
(k) 'WI	
m) 'WI	LS
n) 'A9 (HI	a DPI
0) 'SH WC	١EF
þ) 's+	
(q) 'sł	EF
r) 'Cł	łA ⁻

CEMENT PLASTER SOFFIT (PATCHWORK) WINDOW & DOOR FRAME C HOLLOW METAL DOOR (

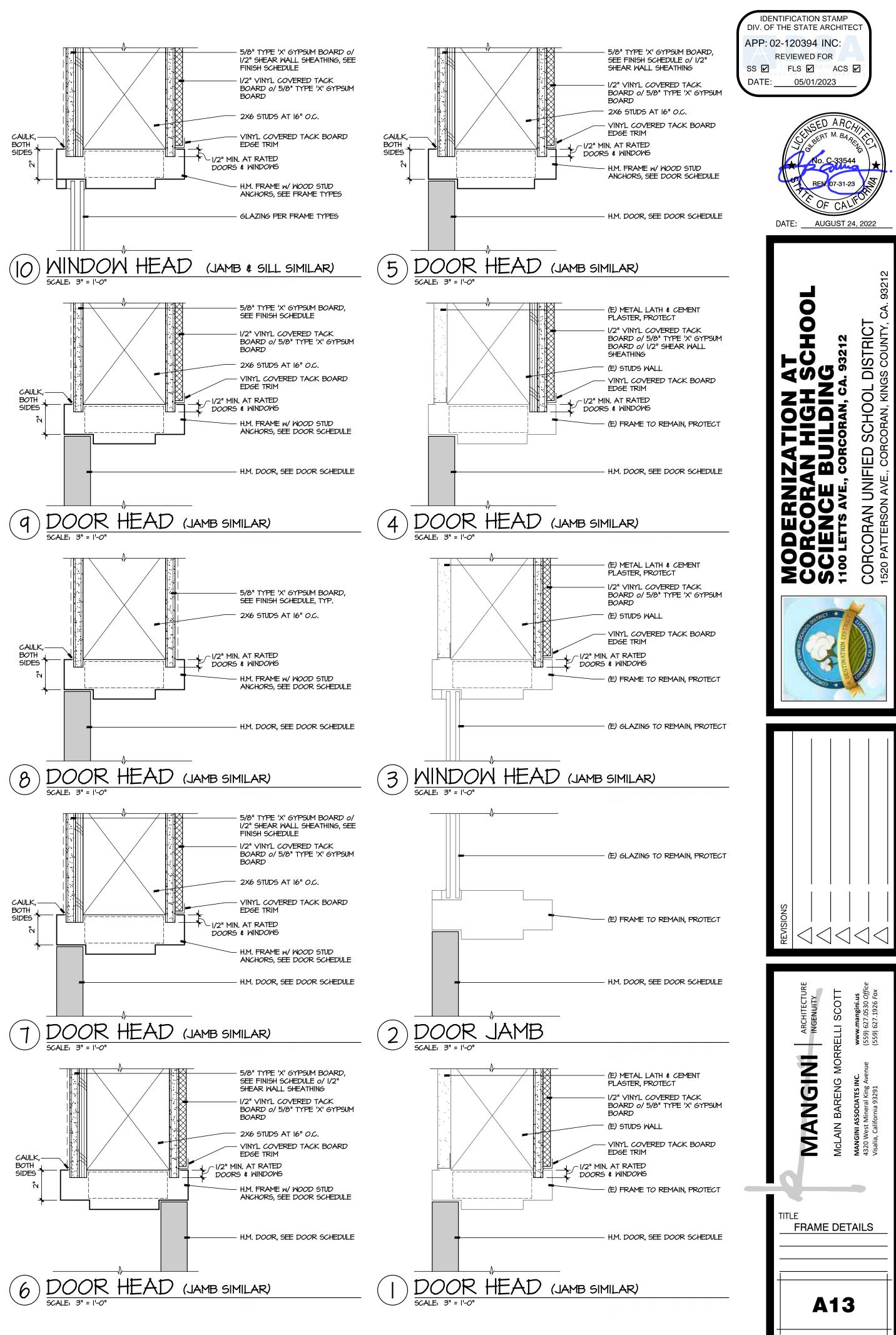
										N٦	Ē	210	OF	2 F	RC	O	ΜF	INISH SCHEDULE	
ROOM NUMBER & NAME	FLOOR BASE		FLOOR		SF	WAINS	SCOT				WAI	LS					CEIL	ING	REMARKS:
				<u> </u>			NOF	RTH	EA	ST	SOL	JTH	WE	:ST	MAT	ſ'L.	HEIGHT		
HYSICS	П	U	21	e	-	-	43	r	43	r	43	r	43	r	51	a	+9'-0"		
TORAGE	П	U	21	е	-	-	42	р	41	р	42	р	41	р	52	٩	+9'-0"		
HEMISTRY	П	υ	21	е	-	_	43	r	43	r	43	r	43	r	51	a	+9'-0"		
TORAGE	П	υ	21	е	-	-	42	р	41	р	42	р	41	р	52	٩	+9'-0"		
TORAGE	П	υ	21	e	-	-	42	р	42	р	41	р	41	ρ	52	٩	+9'-0"		
WRKR <i>OO</i> M	 2	U F	21 22	e f	30	y	42	р	42	р	42	р	42	р	51	a	+9'-0"		
LASSROOM	П	ν	21	e	-	_	42	р	42	р	42	р	42	Ρ	51	a	+9'-0"		
IOLOGY	П	ν	21	e	-	-	43	r	43	r	43	r	43	r	51	a	+9'-0"		
TORAGE	11	v	21	е	-	_	41	р	42	р	42	р	41	р	52	٩	+9'-0"		
			F	INI	Sł	ا E	5												
R TO SPECIFICATIONS FOR MATERIAL / COLO MATION H EXISTING EXTERIOR BODY COLOR - 'SHERW AM' - TINDERBOX H EXISTING "BLUE" TRIM - 'CORCORAN H.S. BL H EXTERIOR BODY COLOR - 'SHERWIN WILLIAN E' #PI48 STEEL GRAY TILE' KEYSTONE 2"x2" #B208 'SUEDE GRAY YE BASE DETAIL - #MB5A BUILD-UP BASE TILE' COLOR WHEEL CLASSIC 4"x4" NAVY #K M BUILDING PRODUCTS GROUT COLOR #546 (TILE' COLOR WHEEL CLASSIC 4"x4" DESERT W/ CUSTOM BUILDING PRODUCTS GROUT COLOR # 500M BUILDING PRODUCTS GROUT COLOR # 510M BUILDING PRODUCTS GROUT COLOR # 544 (2004RT' #7992-38 PINNACLE WALNUT	IIN UE' M-CRE, SPECI SPECI GRAY HITE #(+546 #1469	KLE' ; 546 0190 w/	(5 t v x y z aa b cc dd	SGIO 'MET/ 'MOH/ 'CARI NOT I 'MET/ NOT I 'CRAI 'MET/ 'SHEK 'SHEK 'SHEK 'SHEK 'SHEK 'SHEK	AL SAL AWK' G RARA JSED AL SAL JSED VE COI AL SAL RWIN WI RWIN WIN WIN RWIN WIN RWIN WIN RWIN WIN RWIN WIN RWIN WIN WIN RWIN WIN RWIN WIN RWIN WIN RWIN WIN RWIN WIN WIN RWIN WIN WIN RWIN WIN RWIN RWIN WIN RWIN WIN RWIN RWIN WIN RWIN WIN RWIN WIN RWIN RWIN RWIN RWIN RWIN RWIN RWIN R		LD ZIN IVID 5 EGAL ES' F NONDF 5' LO 5' GR 5' WE ES' F	NC GRE NTEP ST BLUE () RP- WH RIFT WH YAL BL AY CLU STCHES RP-FT	Y (W2° ONE II: N35) HITE #8 HITE (W UE # 9 OUDS # STER G 3B BE/	1) 2" X 24 5 61) W 651C : SW 76 RAY # ADED F	f" #Ci 9 958 SM 28 =INISH	R706 S 049 1 COTTO	5919				FLOOR IO EXIST. FLOOR TO REMAIN II LUXURY VINYL TILE (LVT) I2 2" SQ. CERAMIC MOSAIC TILE BASE 20 20 EXIST. TO REMAIN 21 4" RUBBER TOPSET 22 5" H. x 2"x2" COVED CERAMIC MOSAIC WAINSCOT 30 30 FIBER REINFORCED PANEL (FRP) o/ 61 WALLS 40 40 EXIST. TO REMAIN 41 SEMI-GLOSS ENAMEL o/ EXISTING GYP 42 SEMI-GLOSS ENAMEL o/ 5/8" TYPE 'X' d 43 I/2" VINYL COVERED TACK BOARD o/ 1. CEILING HEIGHTS NOTED ON THIS SCHEE ELOOR BELOW IN THAT ROOM THIS IS	
DNART' #4947-38 RAW COTTON CCURATE PARTITIONS' BLACK CONFETTI #92) SOLID PLASTIC MIN WILLIAMS' MATCH KELLY MOORE #KM570 WARD PARK MIN WILLIAMS' #SW9165 GOSSAMER VEIL MIN WILLIAMS' CEILING BRIGHT WHITE # SW 70 FIELD CLARKE' GRP 2 TYPE I- COLOR SPRI	77 007		(ee ff gg hh	TOEK DAL- BLOC 'AME 'MOH/ #BT5	:ICK -TILE' :K RAI :RIPOL &WK' 85-954	COVE' # MOSAIC NDOM LISH' SHAPE 1 CHAN1 RFACE	C TILE BRICK COLO & FLC VEL	BLENI S JOINT OR GR OW COL) #CK - w/ #5 AY LECTIC	88 TRO 46 CAF ON IFLU	DPICAL PE GRA	_ THUNE \Y					 FLOOR BELOW IN THAT ROOM. THIS IS ESTIMATING & DETERMINING INSTALLAT 2. REFER TO FLOOR PLANS, REFLECTED INTERIOR ELEVATIONS FOR EXTENT AN FINISHES. 3. REFER TO EXTERIOR ELEVATIONS FOR OF EXTERIOR FINISHES. 4. REFER TO SPECIFICATIONS FOR METHO MATERIALS DESCRIPTION. 5. WHERE MORE THAN ONE FINISH OR COI IN A BOX REFER TO THE APPROPRIATI ELEVATION FOR THE EXTENT AND DES 6. ALL GYP. BD. SHALL BE 5/8" THICK TY NOTED. 	
EXTERIOR FINISHES											7. REFER TO "INTERIOR ELEVATION NOTE SHEETS FOR LOCATION IN THE DRAWIN								

- CEMENT PLASTER WALLS (INFILL & PATCHWORK) b
- MISC. METAL RAILINGS & TRIMS (C)



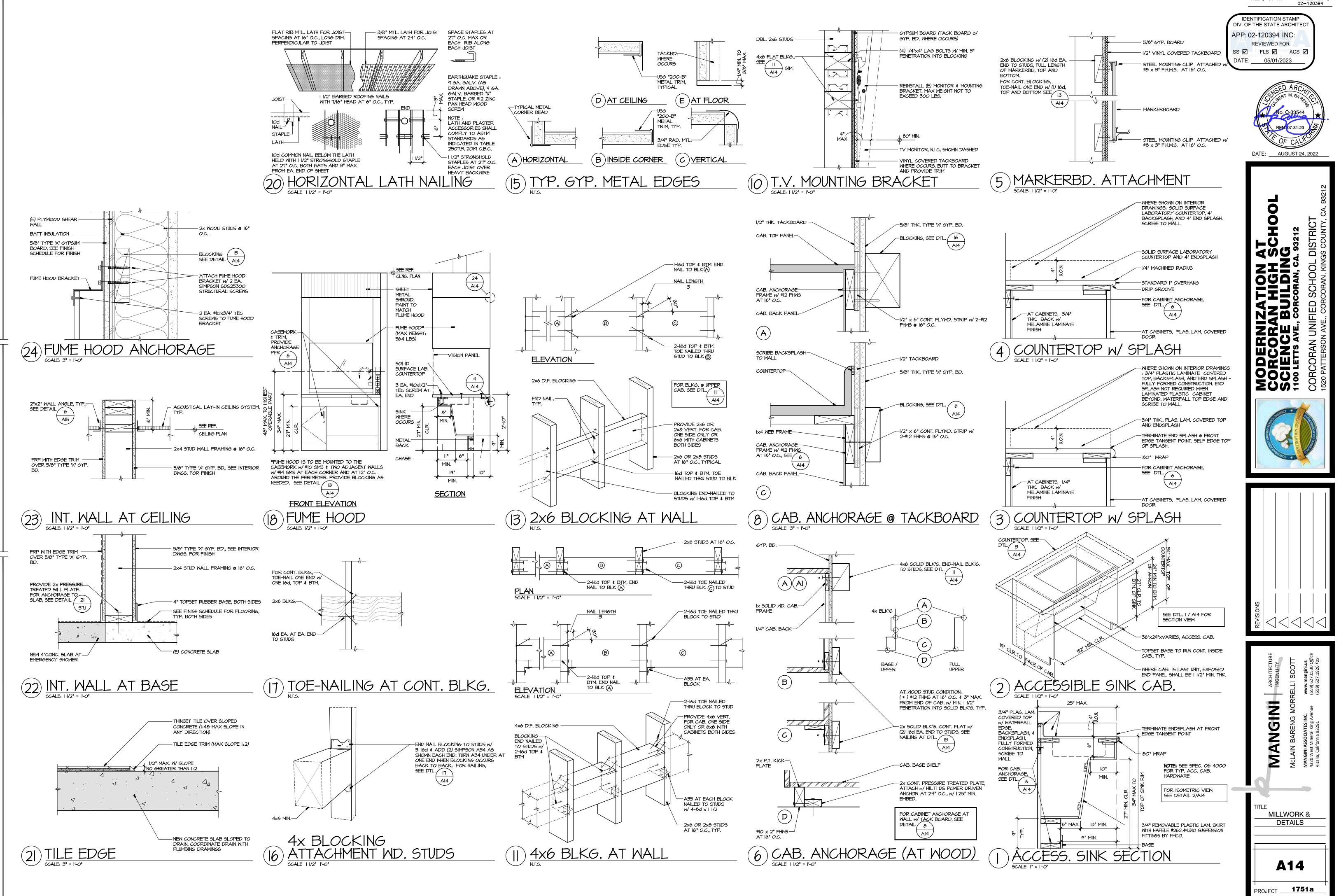


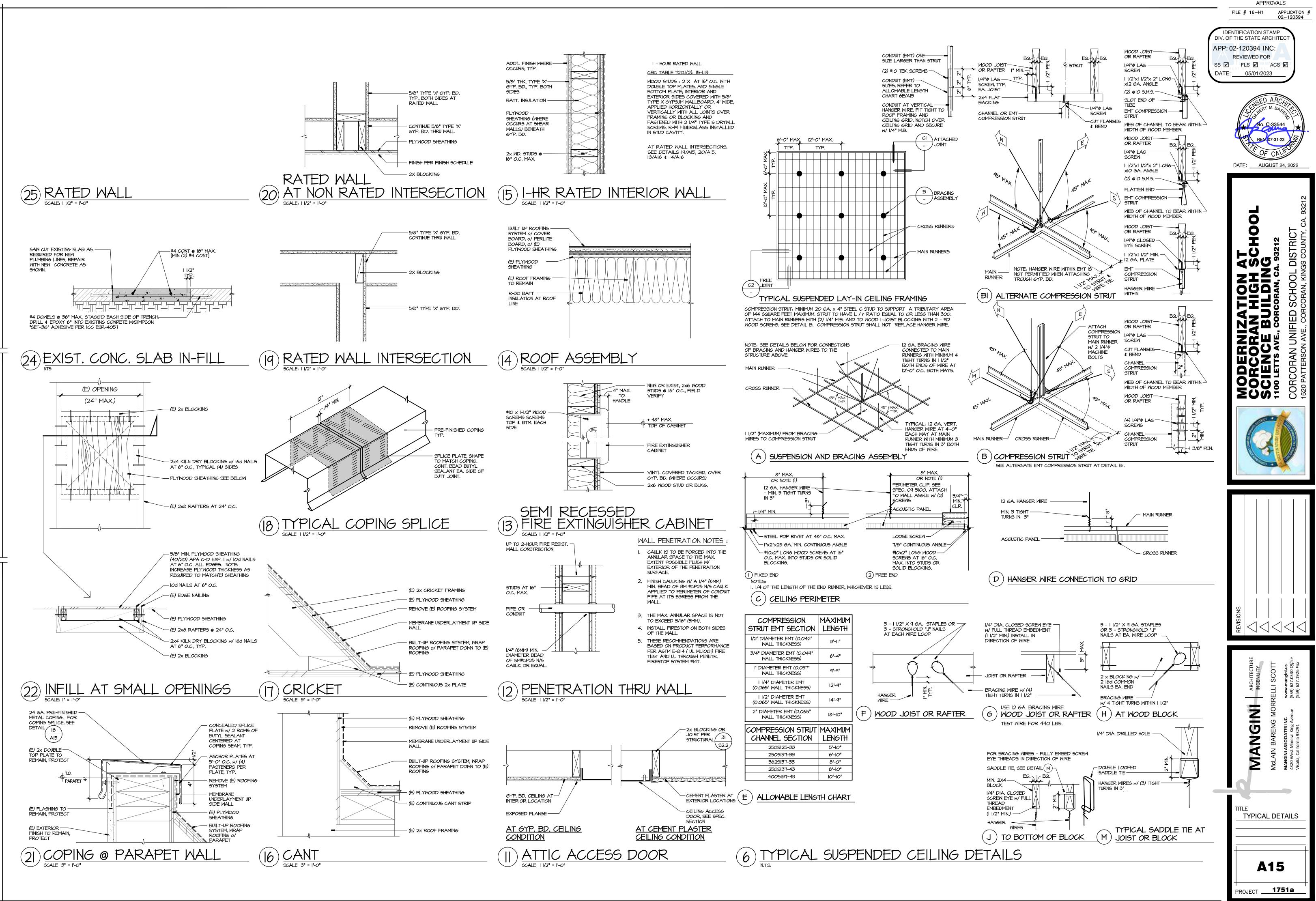
F:\01 projects\1751a\Drawings\01 architectural\03 sheets\1751_A13_Frame Details.dwg Apr 20 2023 11:07am



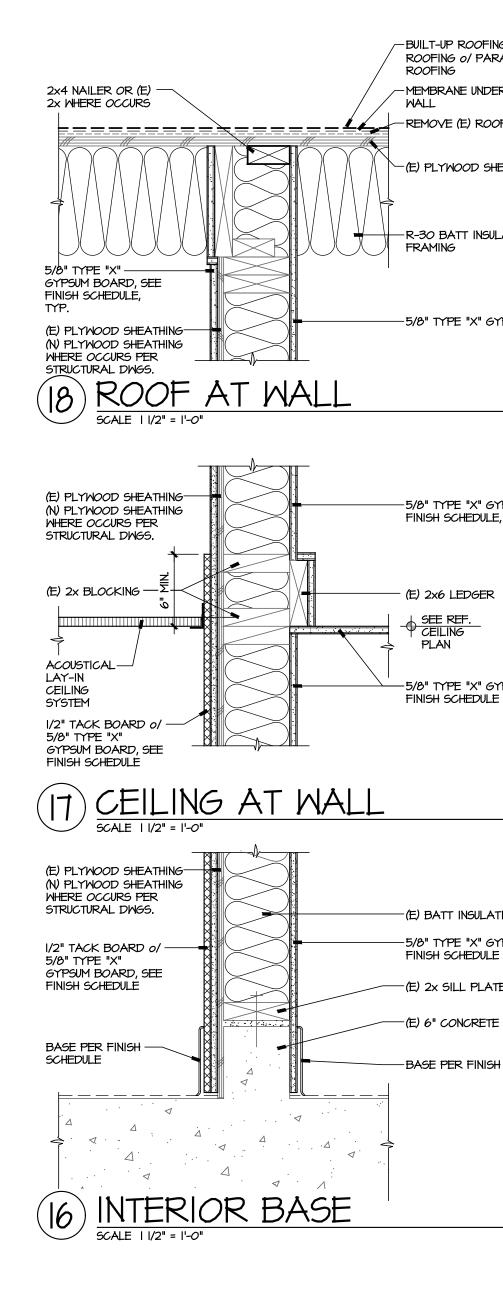
APPROVALS FILE # 16-H1 APPLICATION #

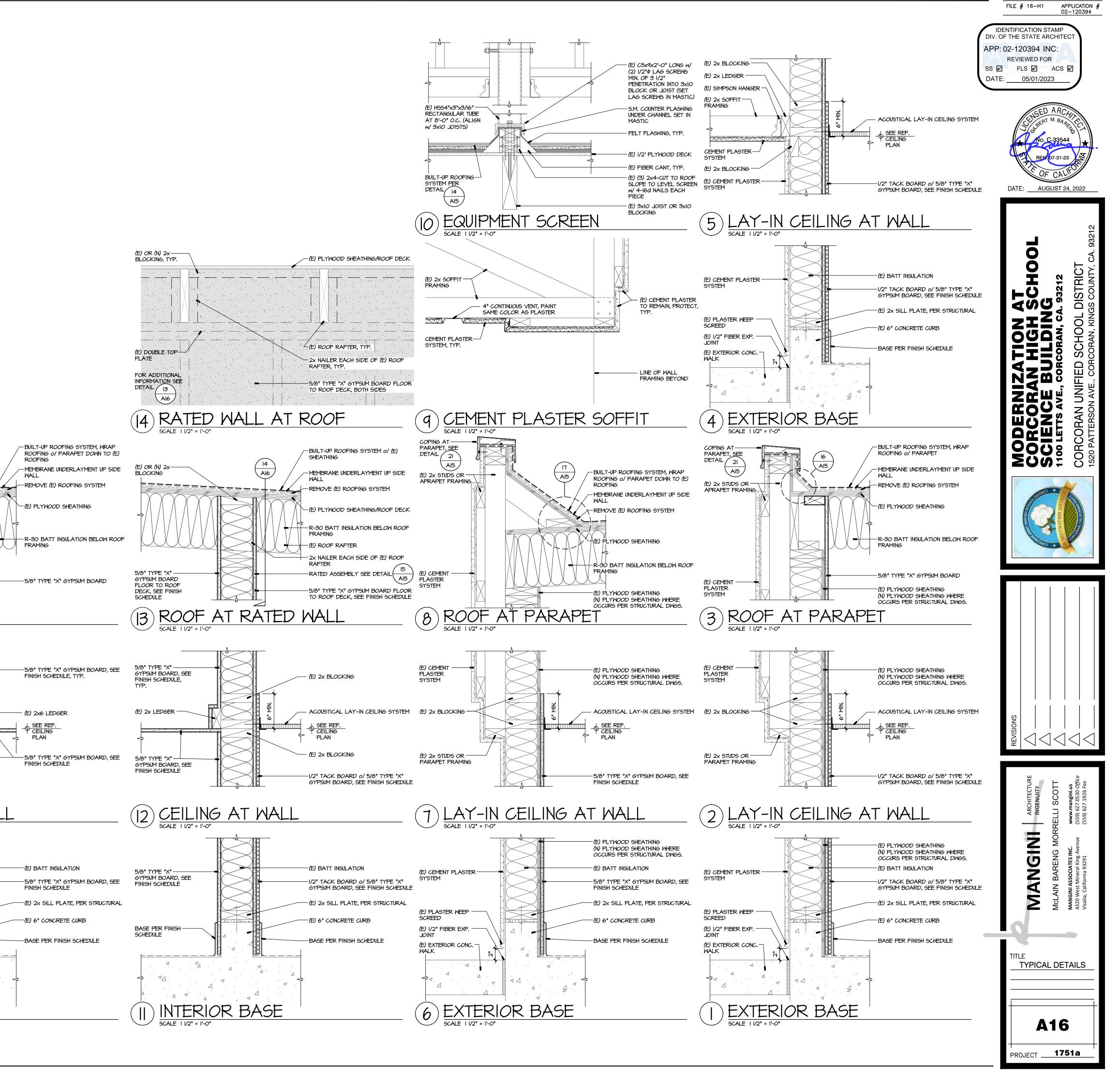
02-120394





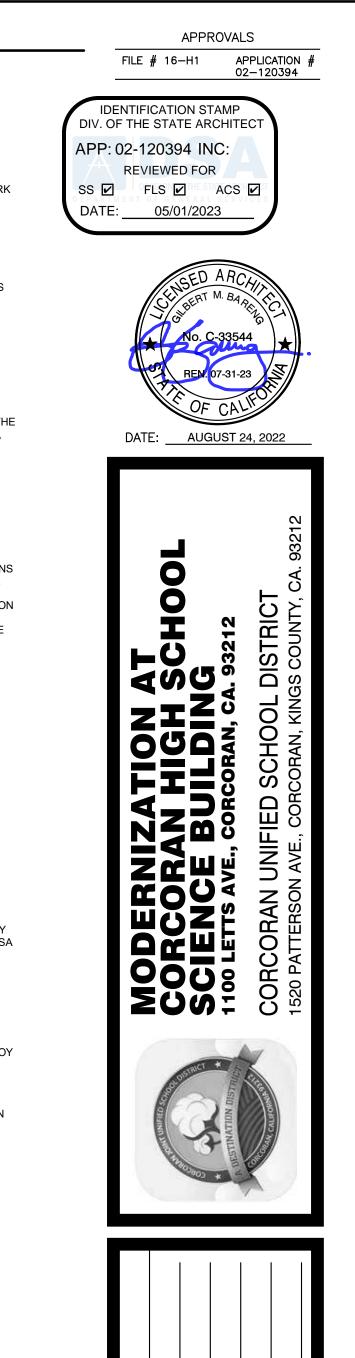
F:\01 projects\1751a\Drawings\01 architectural\03 sheets\1751_A15_Details.dwg Apr 20 2023 11:07am





APPROVALS

13/2023 1:28:04 PM C:\Users\john\Documents\SCIENCE BLDG johnatilano7332.rvt



REVISIONS </tr



GENERAL NOTES

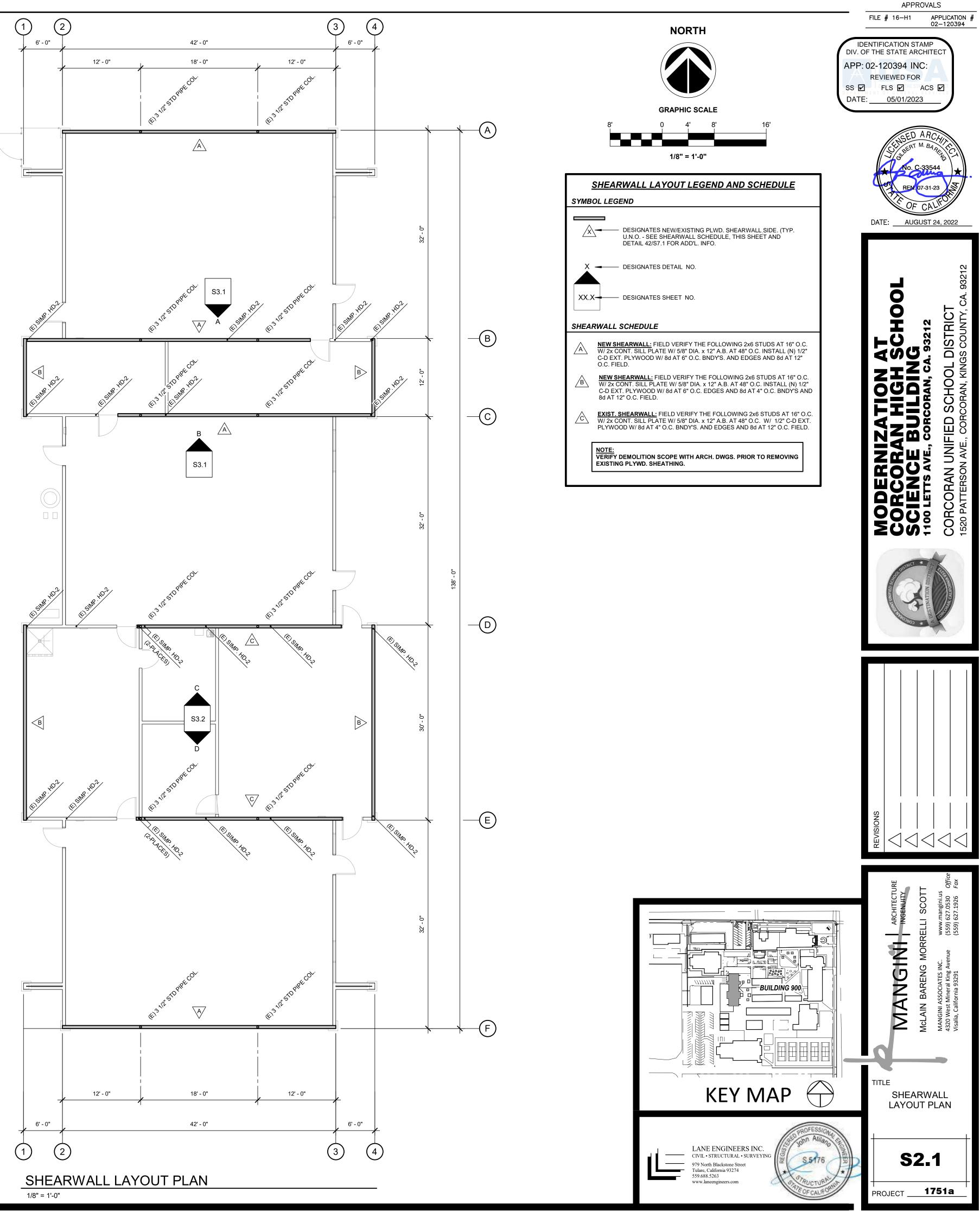
- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL VERIFY ALL DIMENSIONS, CONDITIONS AND ELEVATIONS BEFORE STARTING WORK. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH ACCEPTED CONSTRUCTION PRACTICES.
- 2. NOTES AND DETAILS ON THESE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.
- 3. THE DETAILS ON THESE DRAWINGS SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OTHERWISE. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED, DETAILS OF A CHARACTER SIMILAR TO THOSE SHOWN SHALL BE USED, SUBJECT TO REVIEW.
- FOR OPENINGS NOT SHOWN AND/OR DETAILED ON THE STRUCTURAL DRAWINGS AND WHICH PENETRATE STRUCTURAL ELEMENTS, OBTAIN APPROVAL FROM THE ENGINEER AND DSA BEFORE PROCEEDING WITH WORK.
- 5. FRAME OPENINGS AND SUPPORT MISCELLANEOUS EQUIPMENT AS DETAILED ON THE DRAWINGS. WHERE NO DETAILS ARE PROVIDED, OBTAIN APPROVAL FROM THE ENGINEER AND DSA BEFORE PROCEEDING WITH WORK.
- 6. IT IS THE INTENTION OF THESE DRAWINGS TO SHOW THE COMPLETED INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING, SHORING, TIES, FRAMEWORK, ETC. AS REQUIRED TO COMPLETE THE INSTALLATION IN ACCORDANCE WITH THESE DRAWINGS AND PROJECT SPECIFICATIONS.
- 7. THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
- 8. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
- 9. DESIGN DATA:
 - GOVERNING CODE......2019 CALIFORNIA BUILDING CODE (C.B.C.)

$ \begin{array}{ll} \mbox{ROOF DEAD LOAD} &$	DESIGN LOADS:	
RISK CATEGORYII WIND LOAD94 MPH ULTIMATE (3-SEC GUST), EXP. C INTERNAL PRESSURE COEFFICIENT, GCpi = +/-C SEISMIC LOADDESIGN CATEGORY D, R=6.5, Ie = 1.0, SITE CLASE S _S = 0.779, S ₁ = 0.282, S _{DS} = 0.623, S _{D1} = N/A	WALL DEAD LOAD	19 PSF
INTERNAL PRESSURE COEFFICIENT, GCpi = +/-0 SEISMIC LOADDESIGN CATEGORY D, R=6.5, le = 1.0, SITE CLAS $S_S = 0.779$, $S_1 = 0.282$, $S_{DS} = 0.623$, $S_{D1} = N/A$	RISK CATEGORY	
		INTERNAL PRESSURE COEFFICIENT, GCpi = +/-0.18 DESIGN CATEGORY D, R=6.5, le = 1.0, SITE CLASS D $S_S = 0.779$, $S_1 = 0.282$, $S_{DS} = 0.623$, $S_{D1} = N/A$

SPECIAL INSPECTION NOTES

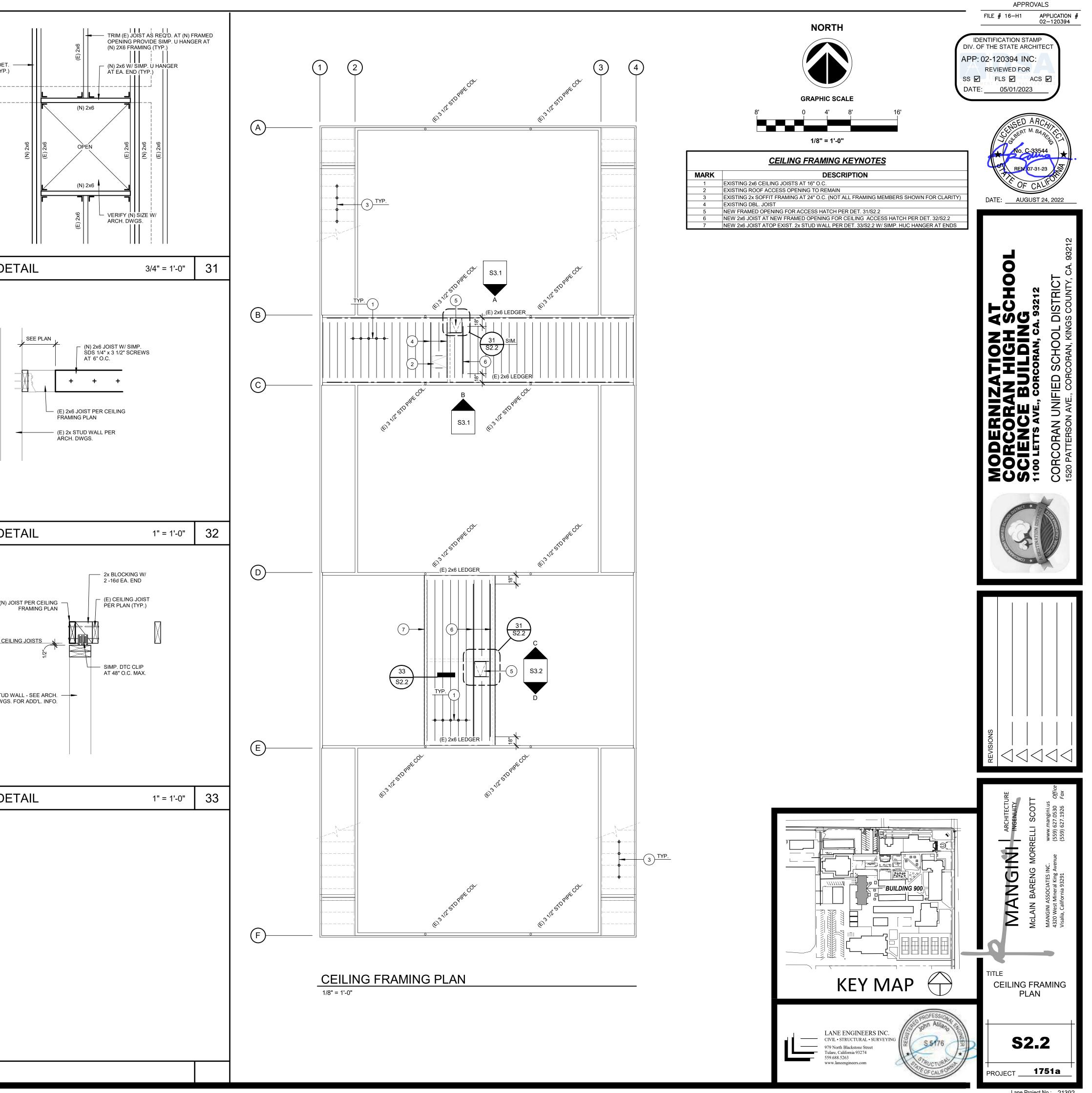
- INSPECTORS SHALL SUBMIT THEIR REPORTS DIRECTLY TO THE ENFORCEMENT AGENCY WITH COPIES TO THE ARCHITECT, STRUCTURAL ENGINEER, GENERAL CONTRACTOR, DSA AND OWNER.
- 2. APPROVAL BY THE INSPECTOR DOES NOT MEAN APPROVAL OF FAILURE TO COMPLY WITH THE PLANS OR SPECIFICATIONS. ANY WORK TO BE DONE OR ANY MATTER RELATIVE THERETO THAT IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
- IN ACCORDANCE WITH 2019 C.B.C. SECTIONS 110 AND 1704.2, THE OWNER SHALL EMPLOY A SPECIAL INSPECTOR WHO SHALL PROVIDE SPECIAL INSPECTION DURING CONSTRUCTION ON THE FOLLOWING TYPES OF WORK:
- A. EXPANSION BOLT, SCREW ANCHOR AND ADHESIVE ANCHORS: INSTALLATION TO VERIFY INSTALLATION IN ACCORDANCE WITH APPLICABLE ICC REPORTS NOTED ON NOTE SHEET OR DETAILS.

13/2023 1:28:04 PM C:\Users\john\Documents\SCIENCE BLDG johnatilano7332.rvt

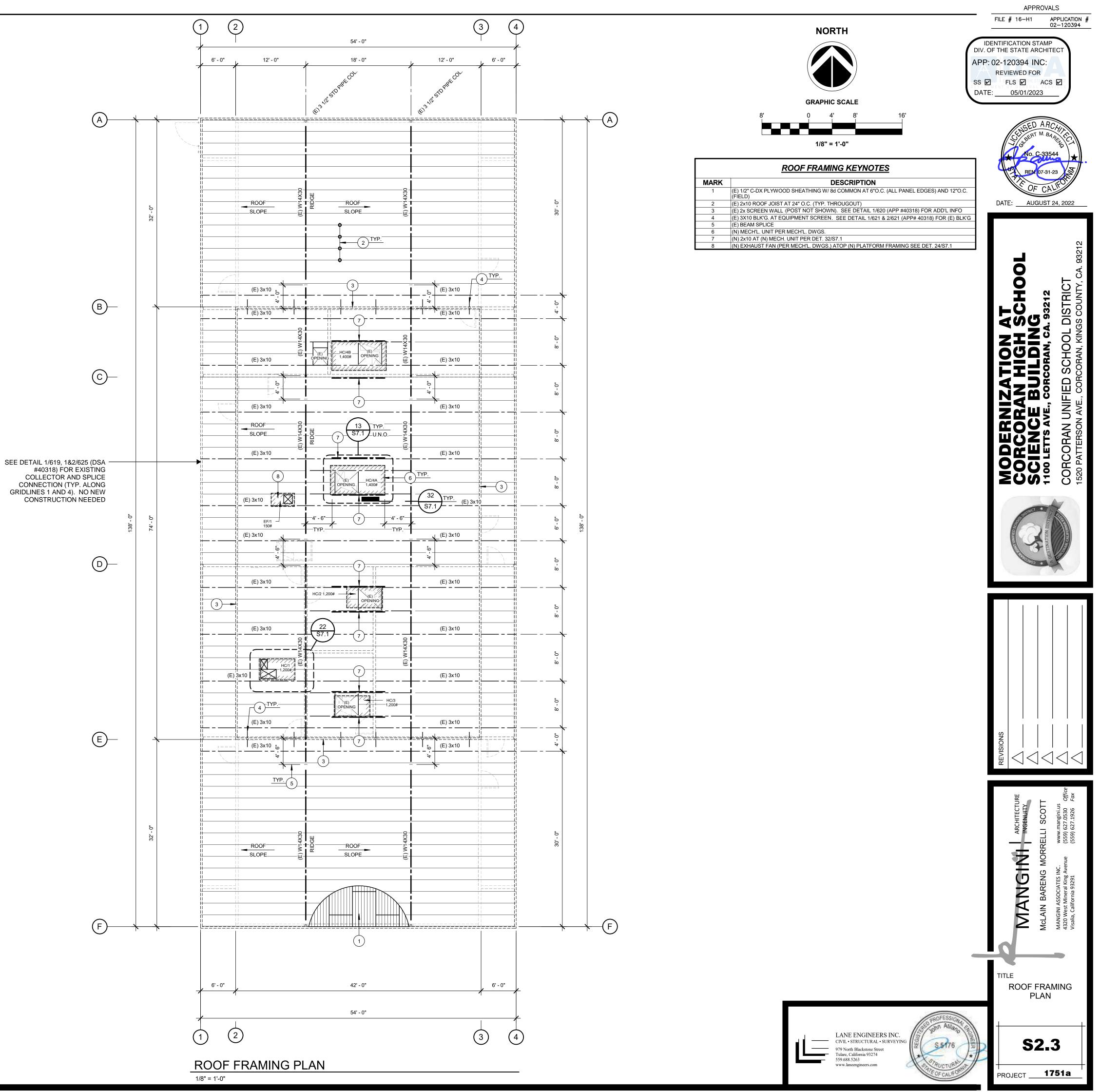


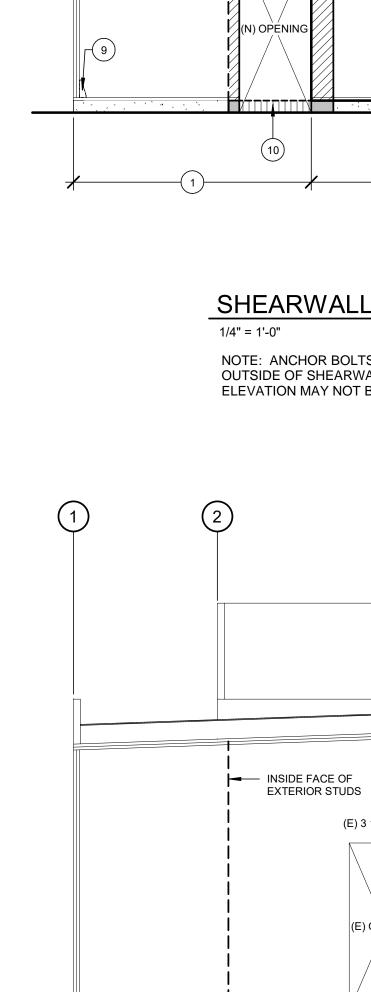
Lane Project No.: 21392

-	
	(N) 2x6 JOIST PER DET 32/S2.2 (TYP
	(E) 2X6
	FRAMING DI
	FRAMING DI
	(N) (N) (N) (N) (N) (N) (N) (N)
7332.rvt	
Johnatilano	
4/13/2023 1.28/05 FM C./Users/John/Documents/SCIENCE BLDG_Johnatiano/332.74/	FRAMING DI



Lane Project No.: 21392



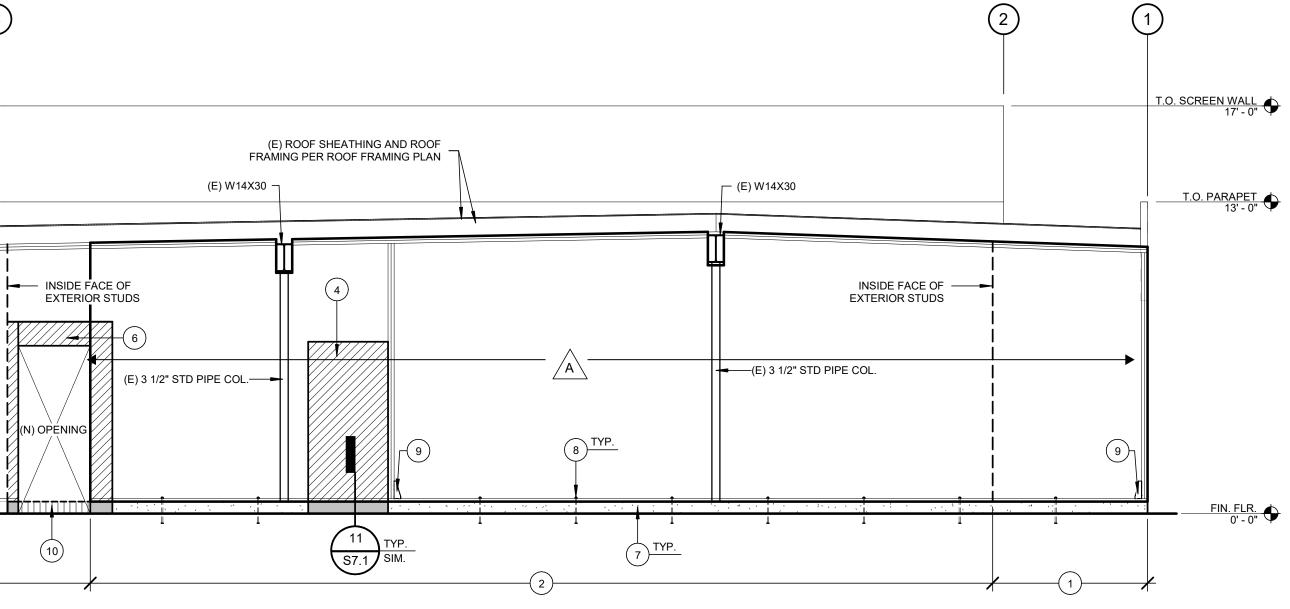


(4)

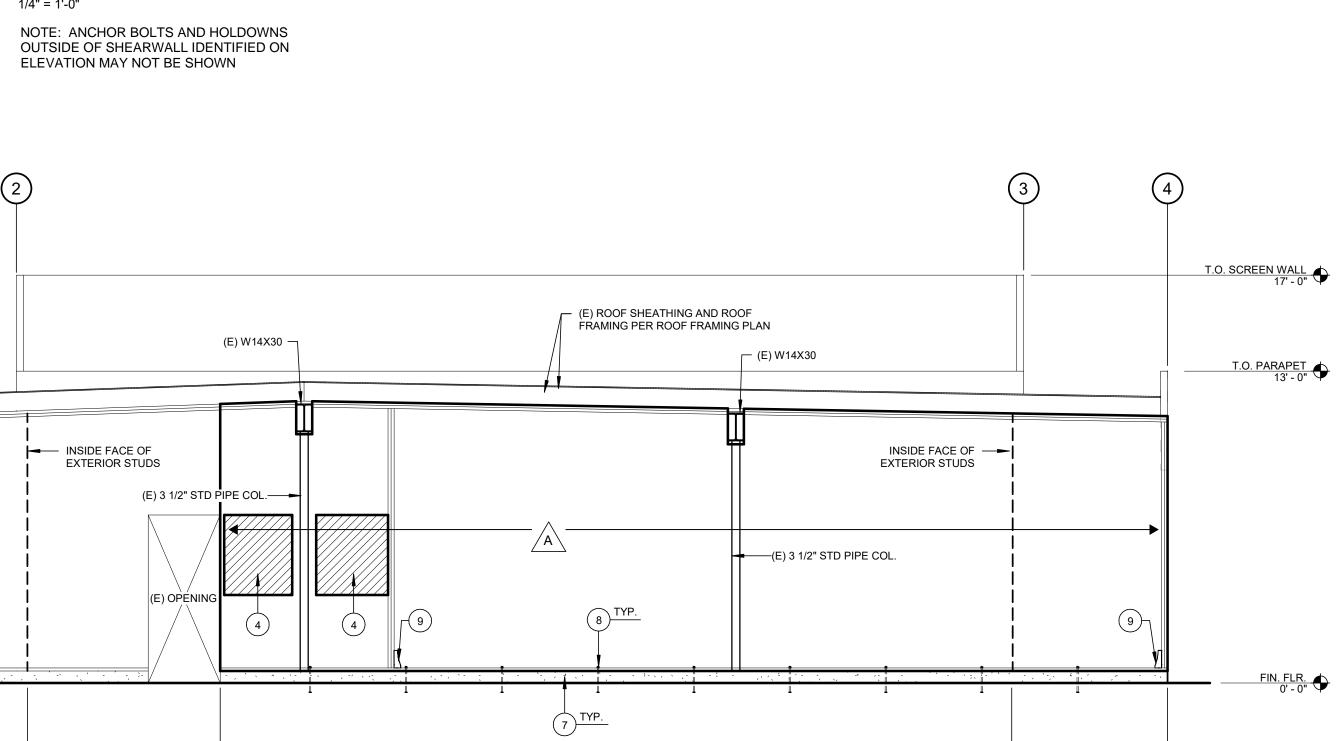
(3)

/ ///





SHEARWALL ELEV. A - AT GRID LINE "B"

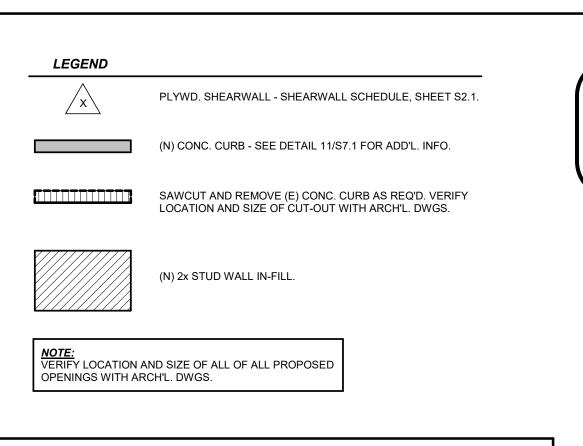


-(1)--

-2-

SHEARWALL ELEV. B - AT GRID LINE "C"

NOTE: ANCHOR BOLTS AND HOLDOWNS OUTSIDE OF SHEARWALL IDENTIFIED ON ELEVATION MAY NOT BE SHOWN



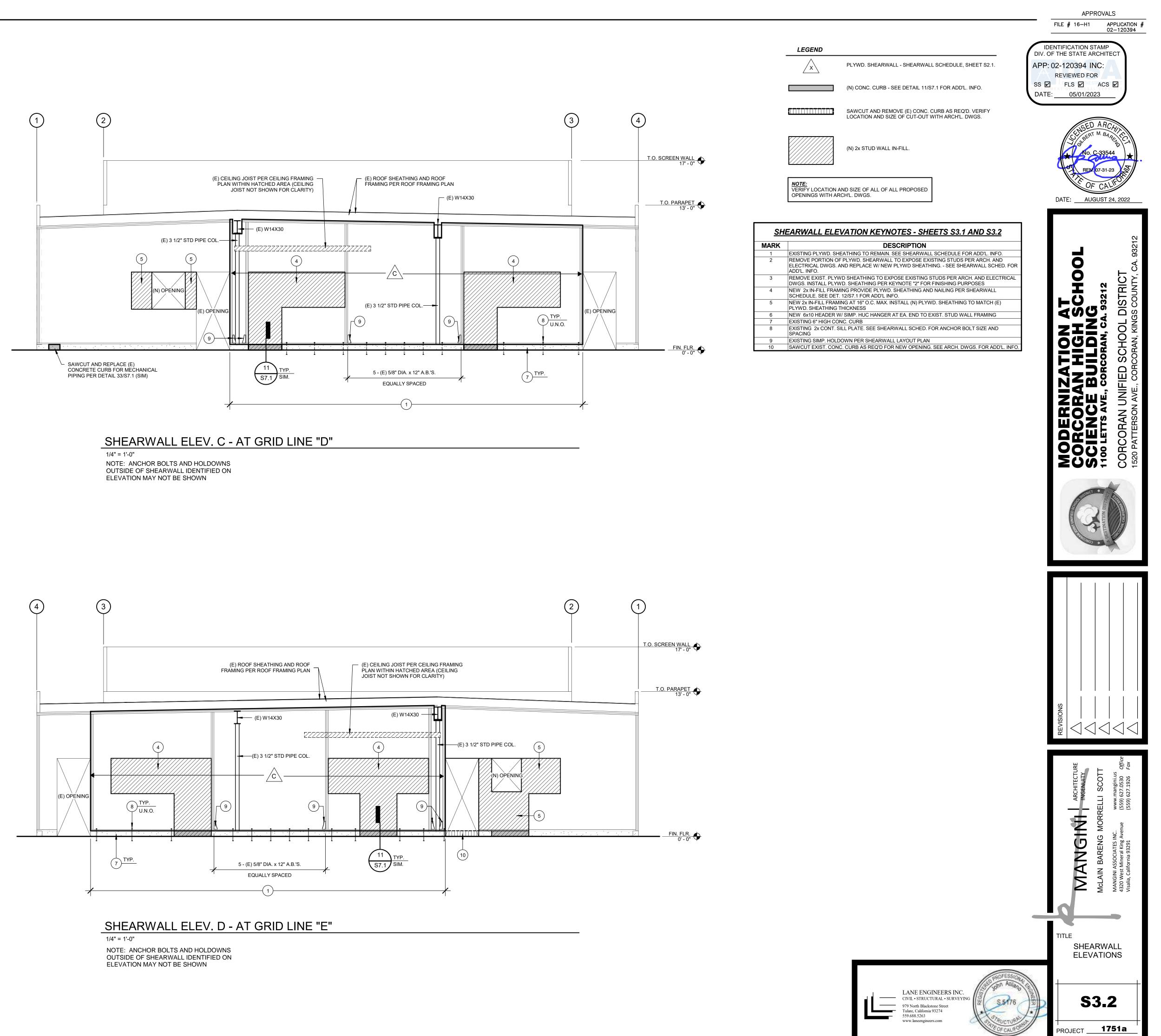
SHEARWALL ELEVATION KEYNOTES - SHEETS S3.1 AND S3.2				
MARK	DESCRIPTION			
1	EXISTING PLYWD. SHEATHING TO REMAIN. SEE SHEARWALL SCHEDULE FOR ADD'L. INFO.			
2	REMOVE PORTION OF PLYWD. SHEARWALL TO EXPOSE EXISTING STUDS PER ARCH. AND ELECTRICAL DWGS. AND REPLACE W/ NEW PLYWD SHEATHING SEE SHEARWALL SCHED. FOR ADD'L. INFO.			
3	REMOVE EXIST. PLYWD SHEATHING TO EXPOSE EXISTING STUDS PER ARCH. AND ELECTRICAL DWGS. INSTALL PLYWD. SHEATHING PER KEYNOTE "2" FOR FINISHING PURPOSES			
4	NEW 2x IN-FILL FRAMING PROVIDE PLYWD. SHEATHING AND NAILING PER SHEARWALL SCHEDULE. SEE DET. 12/S7.1 FOR ADD'L INFO.			
5	NEW 2x IN-FILL FRAMING AT 16" O.C. MAX. INSTALL (N) PLYWD. SHEATHING TO MATCH (E) PLYWD. SHEATHING THICKNESS			
6	NEW 6x10 HEADER W/ SIMP. HUC HANGER AT EA. END TO EXIST. STUD WALL FRAMING			
7	EXISTING 6" HIGH CONC. CURB			
8	EXISTING 2x CONT. SILL PLATE. SEE SHEARWALL SCHED. FOR ANCHOR BOLT SIZE AND SPACING			
9	EXISTING SIMP. HOLDOWN PER SHEARWALL LAYOUT PLAN			
10	SAWCUT EXIST. CONC. CURB AS REQ'D FOR NEW OPENING. SEE ARCH. DWGS. FOR ADD'L. INFO			

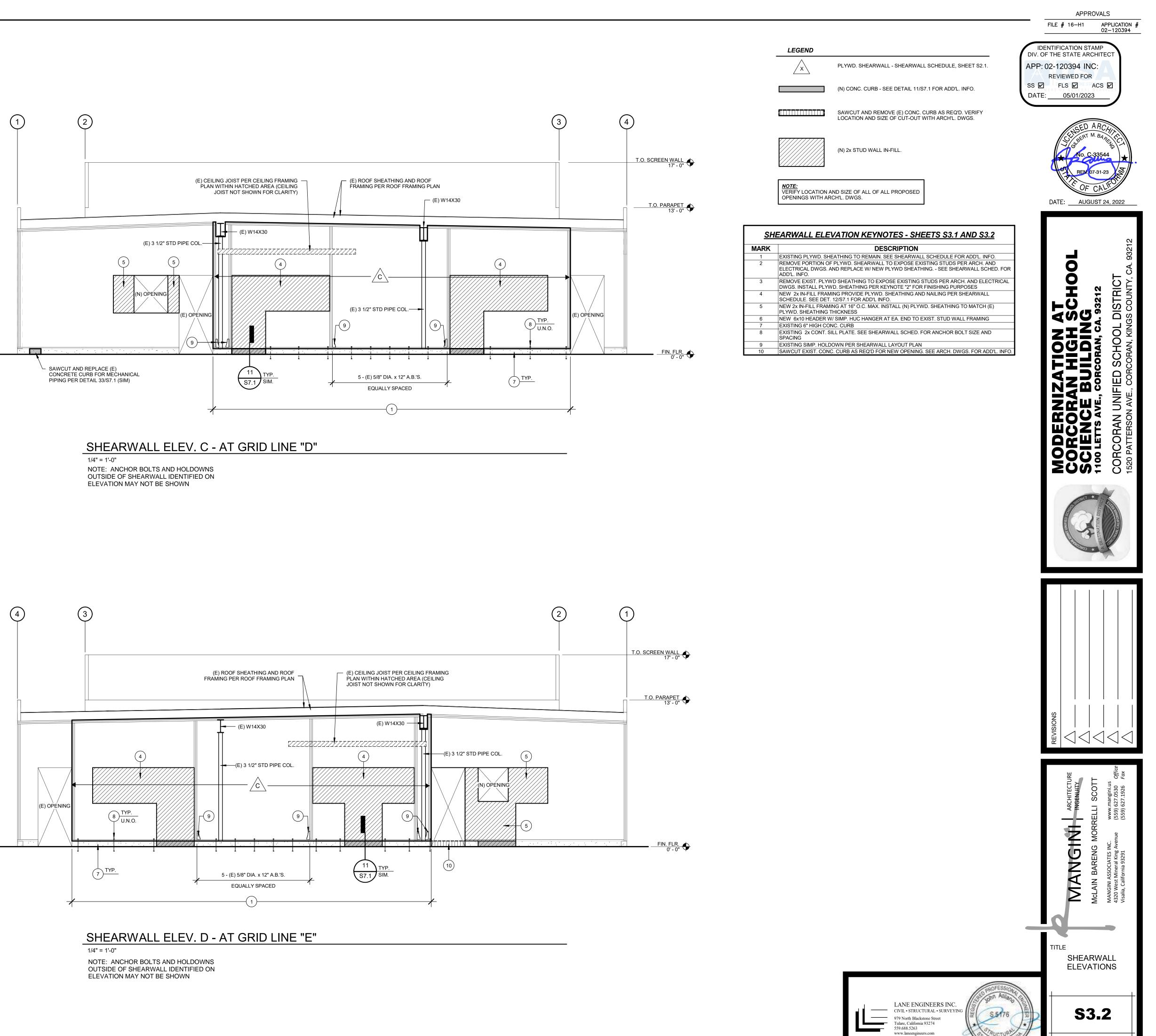


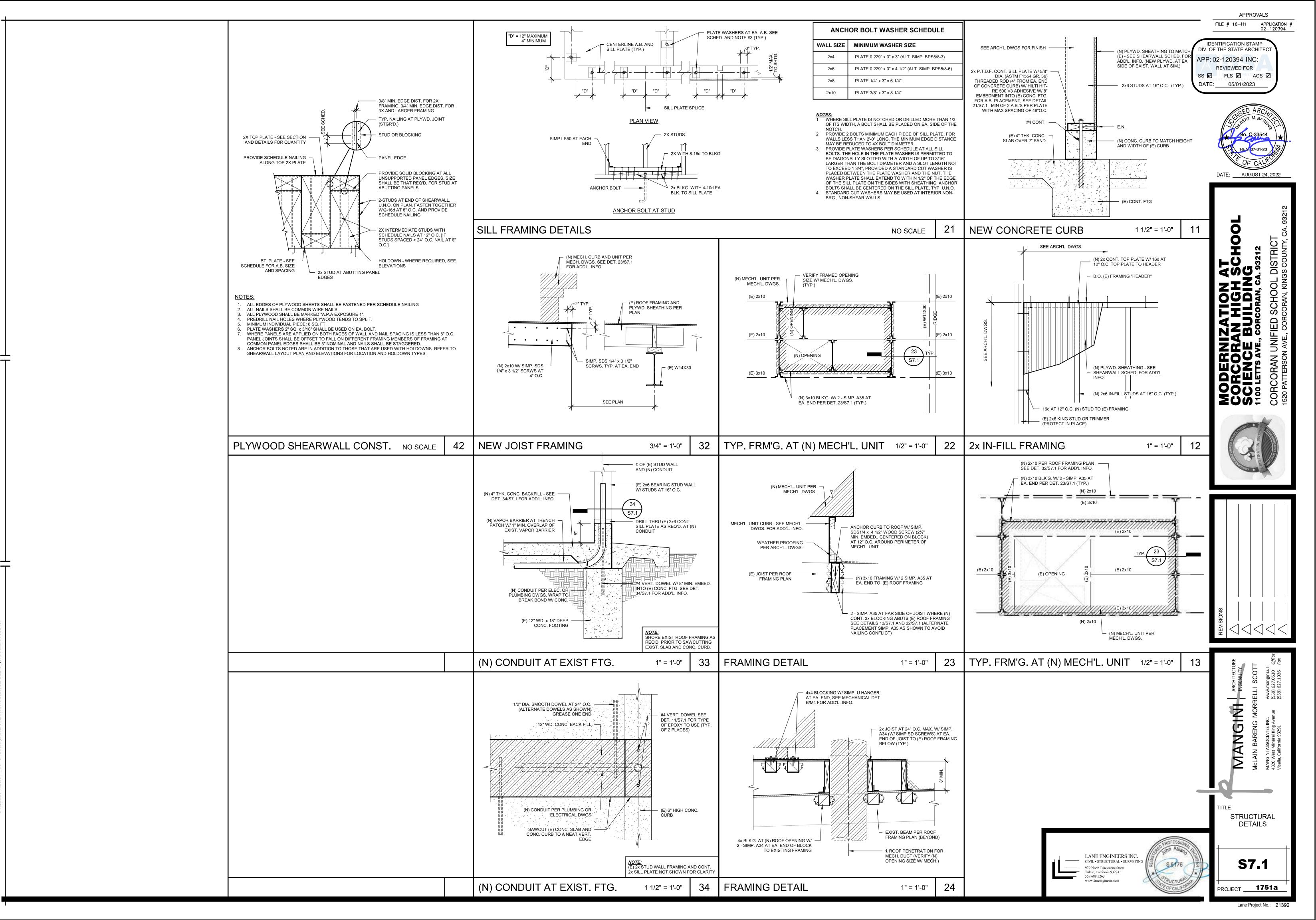


PROJECT _____ 1751a

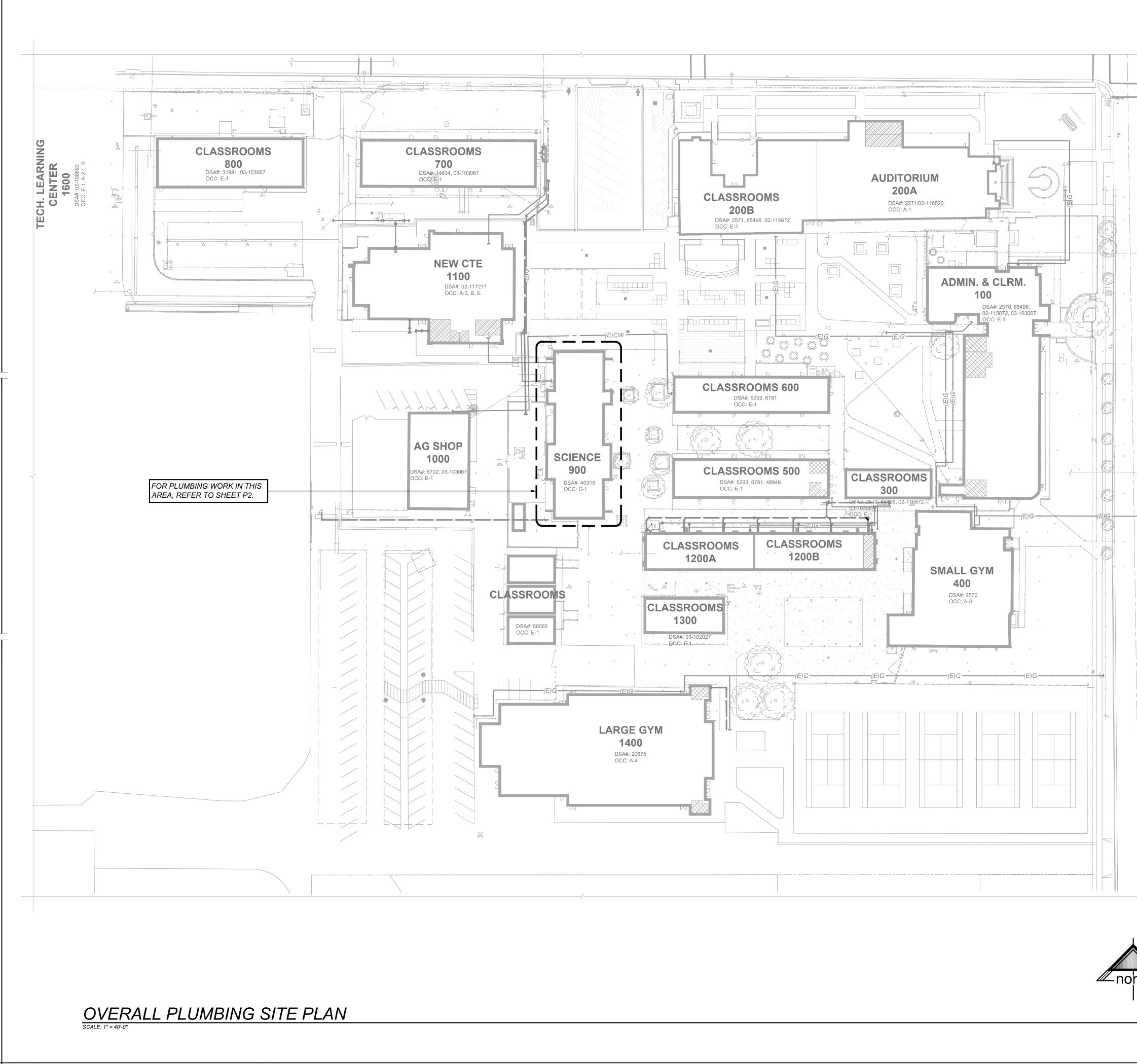








2023 1:28:07 PM C:\Users\iohn\Documents\SCIENCE BLDG iohnatilano7332



GENERAL PLUMBING NOTES:

- 1. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDAN WITH THE 2019 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WOULD NO COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUESTED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
- THE APPLICABLE CODES AND REGULATIONS FOR THIS PROJECT INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

CALIFORNIA CODE OF REGULATIONS

TITLE 8, INDUSTRIAL RELATIONS TITLE 19, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS TITLE 24, PART 1, ADMINISTRATIVE REGULATIONS 2019 CALIFORNIA BUILDING CODE, PART 2, TITLE 24 CCR 2019 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 CCR 2019 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 CCR 2019 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 CCR 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 CCR

NFPA 101 2018 EDITION OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT

- LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE PLUMBING BUILDING PLANS HAVE BEEN PREPARED TO MATCH THE ARCHITECTURAL PLANS. IF DIFFERENCES OCCUR, THE ARCHITECTURAL PLANS ARE TO TAKE PRECEDENCE. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK, TO AVOID ALL INTERFERENCE WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL, OR OTHER ELEMENTS. ALL PIPE OFFSET ELBOWS FOR COORDINATION BETWEEN TRADES ARE NOT SHOWN. CONTRACTOR SHALL INCLUDE SUFFICIENT FUNDS FOR THE COORDINATION OFFSETS IN THE BID. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
- WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER-DRIVEN PINS IN EXISTING NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRE-STRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.

MEP COMPONENT ANCHORAGE AND SYSTEM BRACING NOTE

MEP Component Anchorage Note

Applicable Code: 2019 CBC

- All mechanical, plumbing, and electrical components shall be anchored and installed per the details on the DSAapproved construction documents. The following components shall be anchored or braced to meet the force and displacement requirements prescribed in the 2019 CBC Sections 1617A.1.18 through 1617A.1.26 and ASCE 7-16 Chapters 13, 26, and 30:
- 1. All permanent equipment and components.
- 2. Temporary, movable or mobile equipment that is permanently attached (e.g. hard wired) to the building utility services such as electricity, gas or water. "Permanently attached" shall include all electrical connections except plugs for 110/220 volt receptacles having a flexible cable.
- 3. Temporary, movable or mobile equipment which is heavier than 400 pounds or has a center of mass located 4 feet or more above the adjacent floor or roof level that directly support the component is required to be restrained in a manner approved by DSA.

The following mechanical and electrical components shall be positively attached to the structure but need not demonstrate design compliance with the references noted above. These components shall have flexible connections provided between the component and associated ductwork, piping, and conduit. Flexible connections must allow movement in both transverse and longitudinal directions:

- A. Components weighing less than 400 pounds and having 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.

The anchorage of all mechanical, electrical and plumbing components shall be subject to the approval of the design protessional in general responsible charge or structural engineer delegated responsibility and acceptance by DSA. The project inspector will verify that all components and equipment have been anchored in accordance with the above requirements.

Piping, Ductwork, and Electrical Distribution System Bracing Note

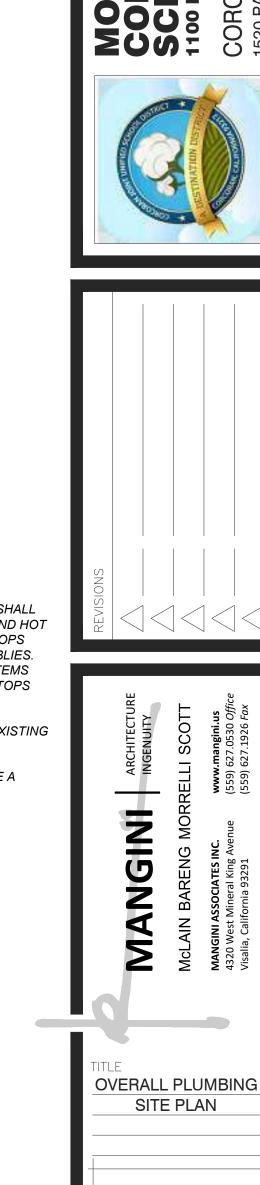
Piping, ductwork, and electrical distribution systems shall be braced to comply with the forces and displacements prescribed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Sections 13.6.5, 13.6.6, 13.6.7, 13.6.8; and 2019 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.

The method of showing bracing and attachments to the structure for the identified distribution system are as noted below. When bracing and attachments are based on a preapproved installation guide (e.g., OSHPD OPM for 2013 CBC or later), copies of the bracing system installation guide or manual shall be available on the jobsite prior to the start of and during the hanging and bracing of the distribution systems. The Structural Engineer of Record shall verify the adequacy of the structure to support the hanger and brace loads.

Mechanical Piping (MP), Mechanical Ducts (MD), Plumbing Piping (PP), Electrical Distribution Systems (E): MP MD PP E Option 1: Detailed on the approved drawings with project specific notes and details.

MP MD PP E C Option 2: Shall comply with the applicable OSHPD Pre-Approval (OPM #) #OPM-0043-13 (MASON WEST, SEISMIC RESTRAINT GUIDELINES FOR SUSPENDED DISTRIBUTION SYSTEMS).

- BRACE ALL PIPING 3" DIAMETER AND GREATER; USE Ip=1.0 FOR SEISMIC DESIGN CALCULATIONS. EXCEPTION: NATURAL GAS PIPING 1"DIAMETER AND GREATER, USE Ip=1.5 FOR SEISMIC DESIGN CALCULATIONS.
- PENETRATIONS THROUGH FIRE RATED WALLS, FLOOR/CEILING, AND ROOF/CEILING ASSEMBLIES SHALL BE SEALED USING AN APPROVED SYSTEM CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC TO FIRE STOPS PER 2019 CBC SECTION 714. THIS INCLUDES EXISTING PIPE AND CONDUIT THROUGH NEW ASSEMBLIES. CUSTOM DESIGNED SYSTEMS WHICH COMBINE COMPONENTS FROM DIFFERENT APPROVED SYSTEMS BUT HAVE NOT BEEN TESTED AS A COMPLETE ASSEMBLY WILL NOT BE ACCEPTABLE. FOR FIRE STOPS FOR PIPE PENETRATIONS SEE SPECIFICATIONS AND SHEET P15.
- FIELD VERIFY THE EXACT LOCATION, DEPTH AND SIZE OF ALL NEW POINTS OF CONNECTION TO EXISTING UTILITIES PRIOR TO COMMENCING NEW UTILITY WORK.
- 9. ALL DOMESTIC WATER PIPING SHALL BE A MINIMUM OF 1/2" SIZE UNLESS NOTED OTHERWISE. USE A REDUCING DROP ELL AT FIXTURE CONNECTION WHEN APPLICABLE.



P1

PROJECT 1751a

ENGINEERING GROUP

22035

7084 N. Maple Ave., Suite 101

(559) 431-0101

Fresno, CA 93720

FAX (559) 431-1362





IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

APPROVALS

APPLICATION # 02-120394

APP: 02-120394 INC: **REVIEWED FOR** SS 🗹 FLS 🗹 ACS 🗹 DATE: 05/01/2023

0

0

Ĭ

UNP '

ZHN

ATI I HI UIL

ROOA

WOZ

NZM

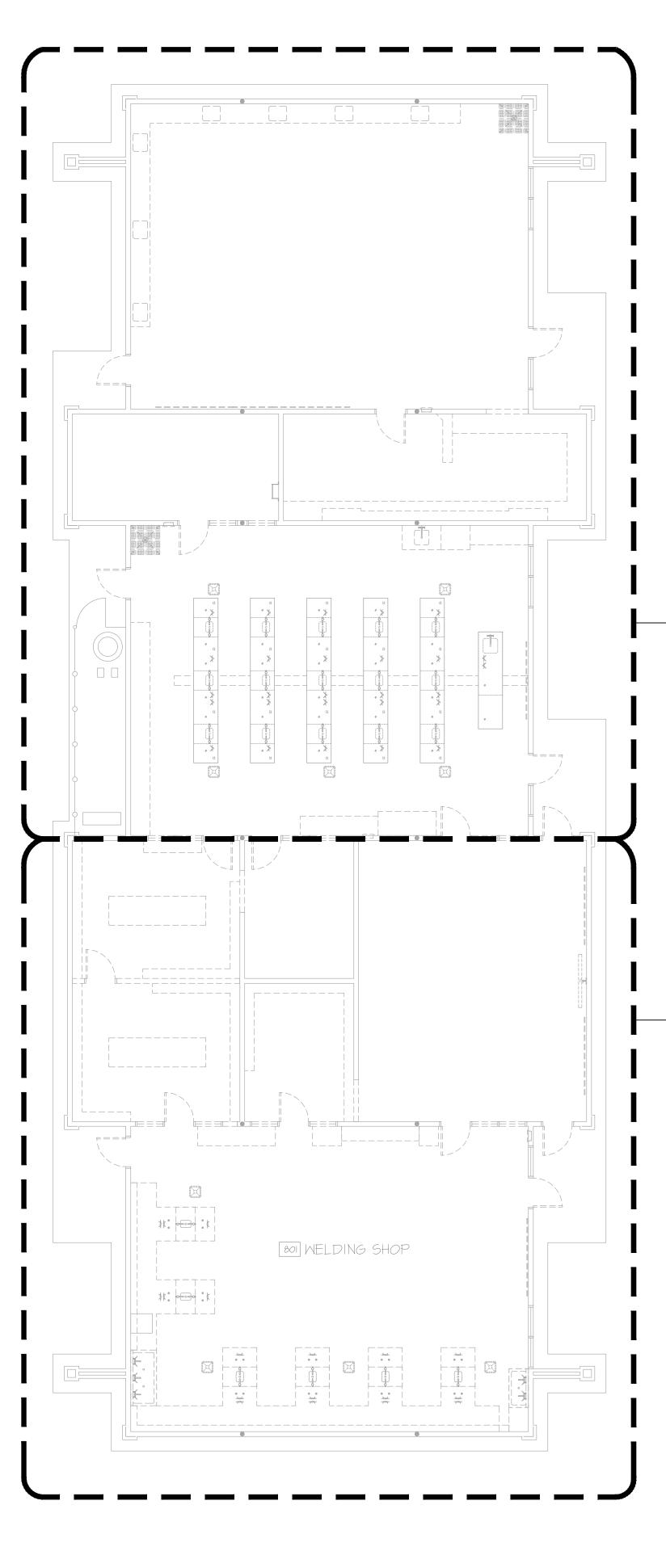
μÜ

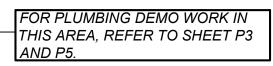
M

DIS.

4

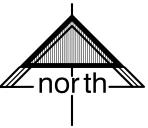
FILE # 16-H1





FOR PLUMBING DEMO WORK IN THIS AREA, REFER TO SHEET P4 AND P6.

BUILDING 900 PLUMBING DEMOLITION PLAN SCALE: 1/8" = 1'-0"



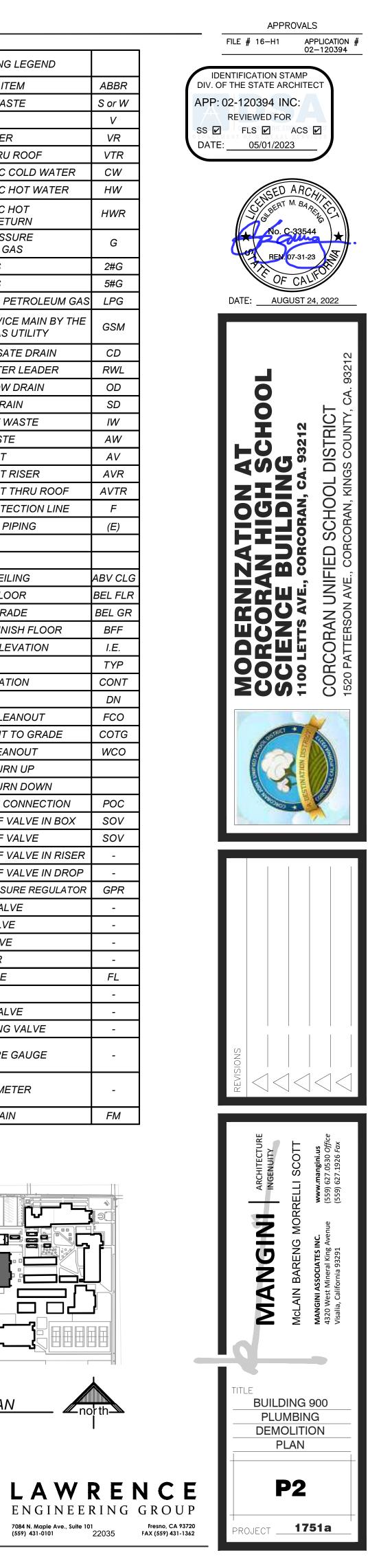
	PLUMBING LEGEND	
SYMBOL	ITEM	ABBR
	SOIL or WASTE	S or W
	VENT	V
	VENT RISER	VR
	VENT THRU ROOF	VTR
	DOMESTIC COLD WATER	CW
	DOMESTIC HOT WATER	HW
		,,,,,
	DOMESTIC HOT WATER RETURN	HWR
—_G —	LOW PRESSURE NATURAL GAS	G
— 2#G —	2 PSI GAS	2#G
— 5#G —	5 PSI GAS	5#G
—LPG—	LIQUIFIED PETROLEUM GAS	LPG
GSM	GAS SERVICE MAIN BY THE LOCAL GAS UTILITY	GSM
	CONDENSATE DRAIN	CD
-RWL	RAIN WATER LEADER	RWL
—od —	OVERFLOW DRAIN	OD
—sd —	STORM DRAIN	SD
— <i>IW</i> —	INDIRECT WASTE	IW
—AW—	ACID WASTE	AW
-AV-	ACID VENT	AV
	ACID VENT ACID VENT RISER	AV
	ACID VENT THRU ROOF	AVTR
F	FIRE PROTECTION LINE	F
	EXISTING PIPING	(E)
(E)	EXISTING	
(N)	NEW	
	ABOVE CEILING	ABV CLG
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
—BFF—	BELOW FINISH FLOOR	BFF
	INVERT ELEVATION	I.E.
	TYPICAL	TYP
	CONTINUATION	CONT
	DOWN	DN
	FLOOR CLEANOUT	FCO
	CLEANOUT TO GRADE	COTG
		wco
	WALL CLEANOUT PIPING TURN UP	,,,,,,
,		
	PIPING TURN DOWN	
	PIPING TURN DOWN POINT OF CONNECTION	POC
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX	SOV
	PIPING TURN DOWN POINT OF CONNECTION	
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX	SOV
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE	SOV
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE SHUT-OFF VALVE IN RISER	SOV
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN DROP	SOV SOV - -
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN DROP GAS PRESSURE REGULATOR	SOV SOV - -
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN DROP GAS PRESSURE REGULATOR CHECK VALVE	SOV SOV - -
╗ҲҩҲҲҬ	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN DROP GAS PRESSURE REGULATOR CHECK VALVE	SOV SOV - -
╗ҲҩҲҲҬ	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN DROP GAS PRESSURE REGULATOR CHECK VALVE PLUG VALVE	SOV SOV - -
╗ҲҩҲҲҬ	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN DROP GAS PRESSURE REGULATOR CHECK VALVE PLUG VALVE BALL VALVE	SOV SOV - GPR - - - - -
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN DROP GAS PRESSURE REGULATOR CHECK VALVE PLUG VALVE BALL VALVE REDUCER	SOV SOV - GPR - - - - -
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN DROP GAS PRESSURE REGULATOR CHECK VALVE PLUG VALVE BALL VALVE BALL VALVE IEDUCER FLOW LINE UNION	SOV SOV - GPR - - - - -
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN DROP GAS PRESSURE REGULATOR CHECK VALVE PLUG VALVE BALL VALVE BALL VALVE IEDUCER FLOW LINE	SOV SOV - GPR - - - - -
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN DROP GAS PRESSURE REGULATOR CHECK VALVE PLUG VALVE BALL VALVE BALL VALVE IEDUCER FLOW LINE UNION	SOV SOV - GPR - - - - -
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN DROP GAS PRESSURE REGULATOR GAS PRESSURE REGULATOR PLUG VALVE PLUG VALVE BALL VALVE BALL VALVE BALL VALVE BALANCING VALVE	SOV SOV - GPR - - - - -
	PIPING TURN DOWN POINT OF CONNECTION SHUT-OFF VALVE IN BOX SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN RISER SHUT-OFF VALVE IN DROP GAS PRESSURE REGULATOR PLUG VALVE BALL VALVE REDUCER FLOW LINE UNION RELIEF VALVE BALANCING VALVE	SOV SOV - GPR - - - - -

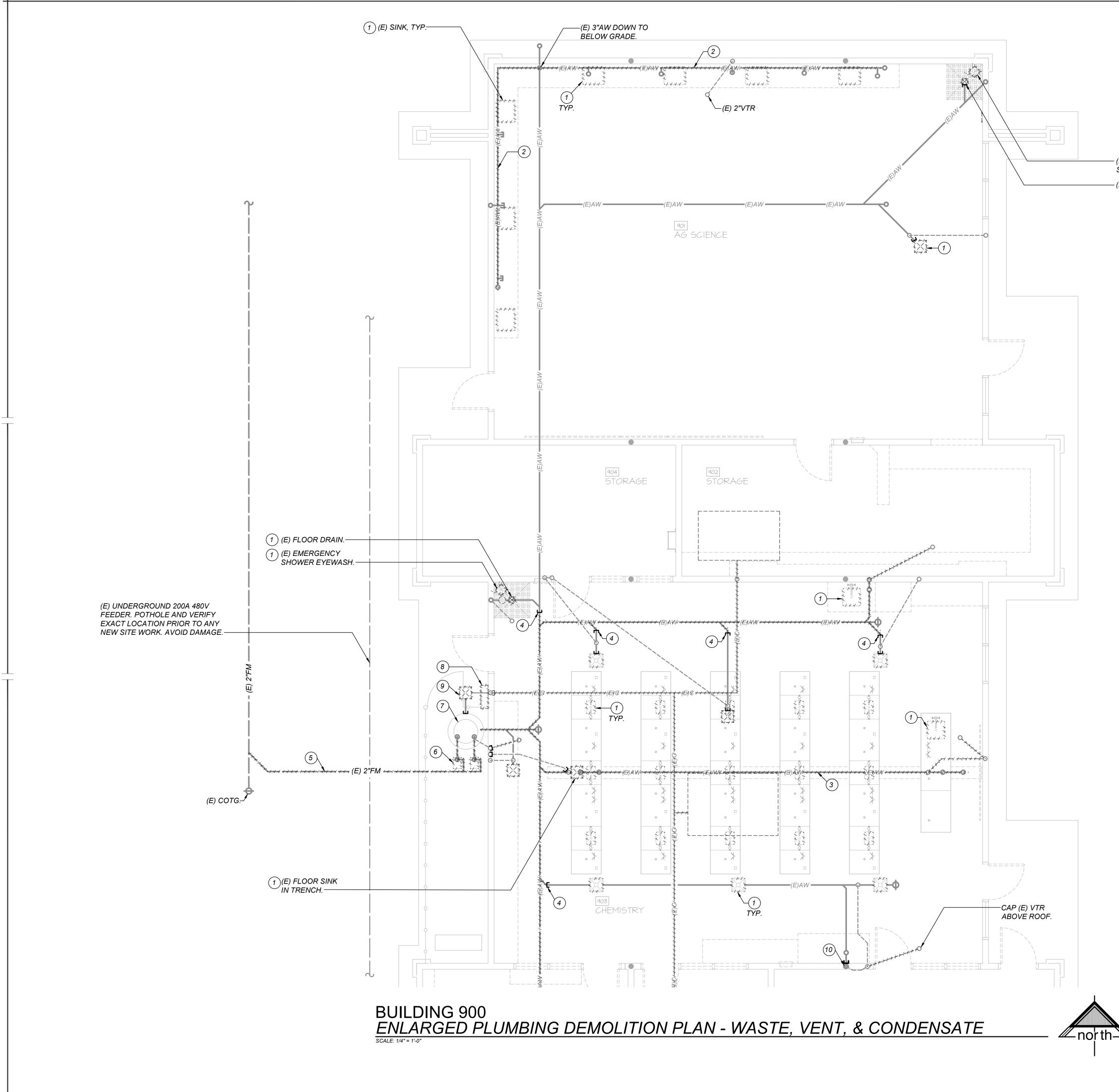
BUILDING 900-

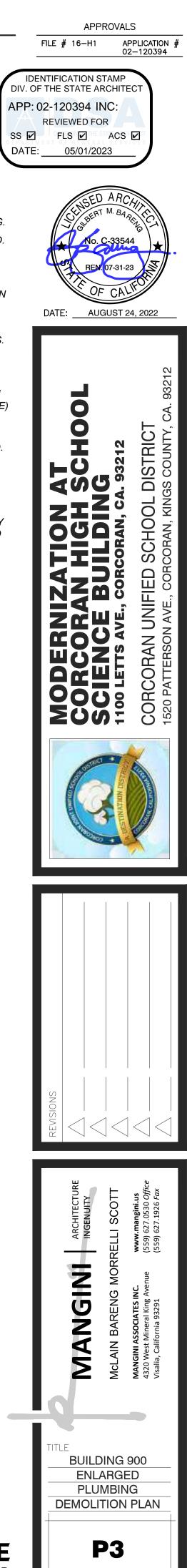
M34846

Exp. 6-30-24

BUILDING KEY PLAN

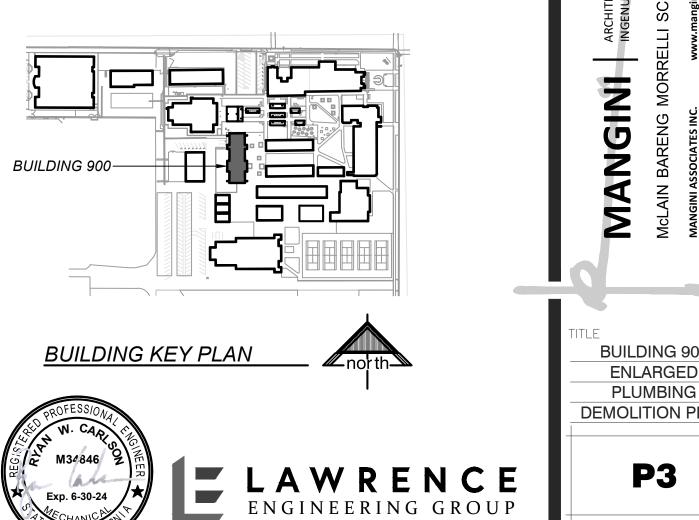






- (E) EMERGENCY SHOWER EYEWASH. (1) - (E) FLOOR DRAIN. (1)

- KEYNOTES: (THIS SHEET ONLY)
- 1 DEMO (E) FIXTURE SHOWN HATCHEL REMOVE EXPOSED UNUSED PIPING AND CAP REMAINING PIPE BEHIND FINISHED SURFACES.
- (E) 3"AW AND 2"AV MANIFOLD TO BE REMOVED. CAP REMAINING PIPING BEHIND FINISHED FLOOR OR CEILING.
- (3) (E) 3"AW IN TRENCH TO BE REMOVED.
- (4) CAP (E) AW BELOW FLOOR AND ABANDON PIPE IN PLACE.
- 5 REMOVE 2"FM BELOW GRADE SHOWN HATCHED.
- 6 REMOVE FLOOR MOUNTED PUMPS, ASSOCIATED PIPING AND CONTROLS. CAP ANY PIPING BEHIND FINISHED SURFACES.
- 7 EXISTING WET WELL TO BE ABANDONED. INFILL WET WELL WITH CONCRETE AND MAKE FLUSH WITH (E) GRADE.
- 8 EXISTING LIFT STATION CONTROL PANEL AND WIRING TO BE REMOVED. COORDINATE WITH ELECTRICAL.
- 9 (E) FLOOR SINK TO BE REMOVED. PATCH CONCRETE TO MATCH EXISTING.
- (10) DISCONNECT (E) HOOD AND CAP ANY REMAINING PIPING BEHIND FINISHED SURFACES.

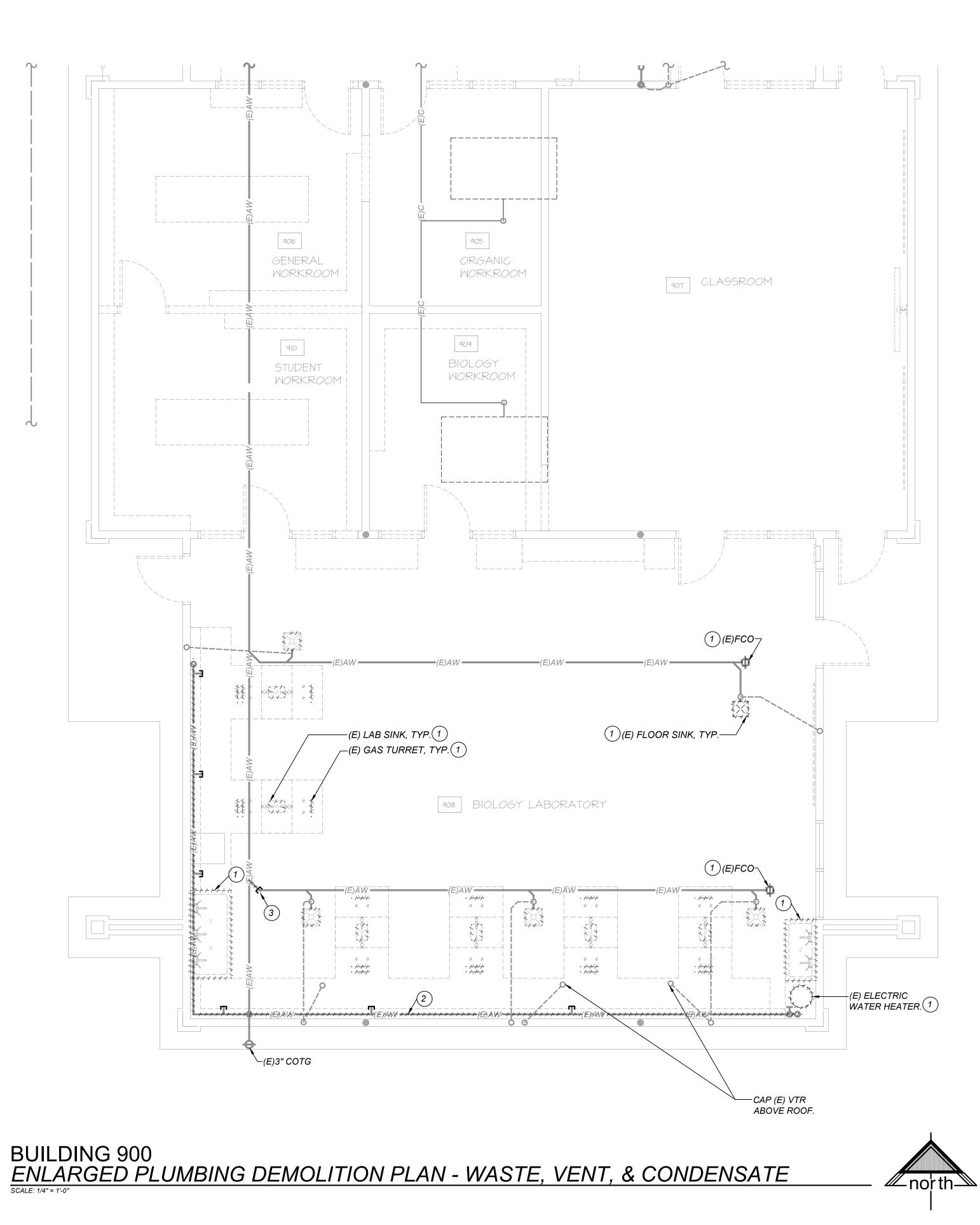


22035

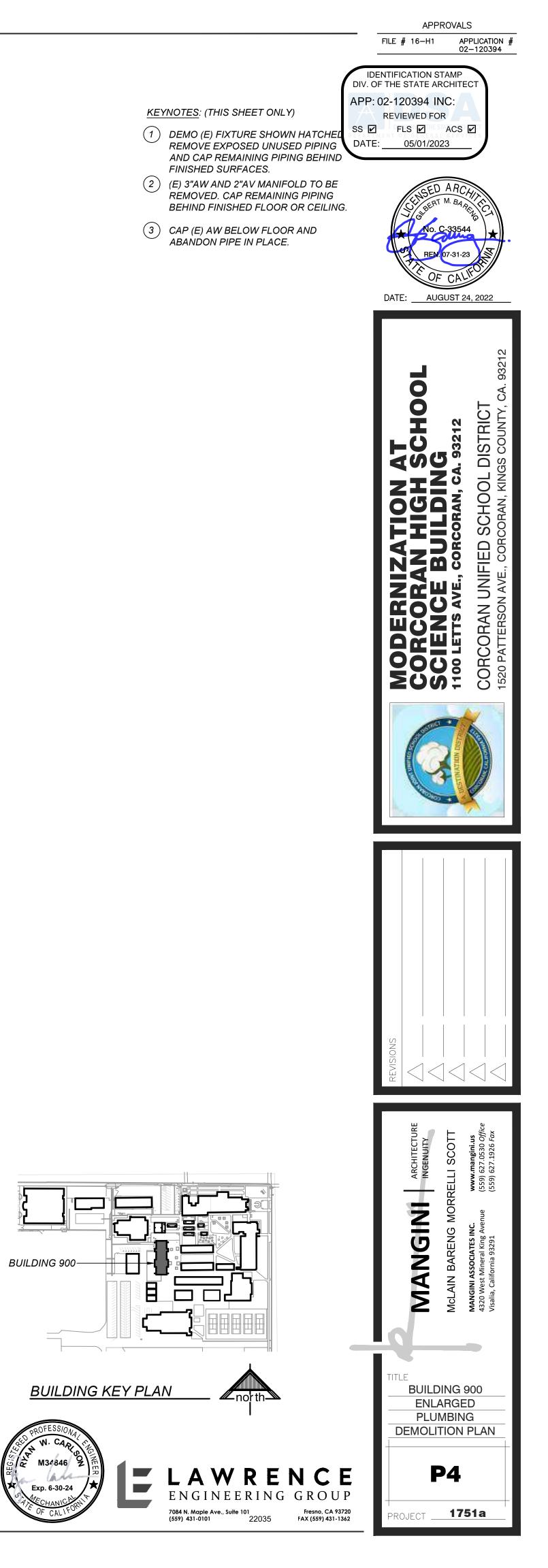
Fresno, CA 93720 FAX (559) 431-1362 PROJECT 1751a



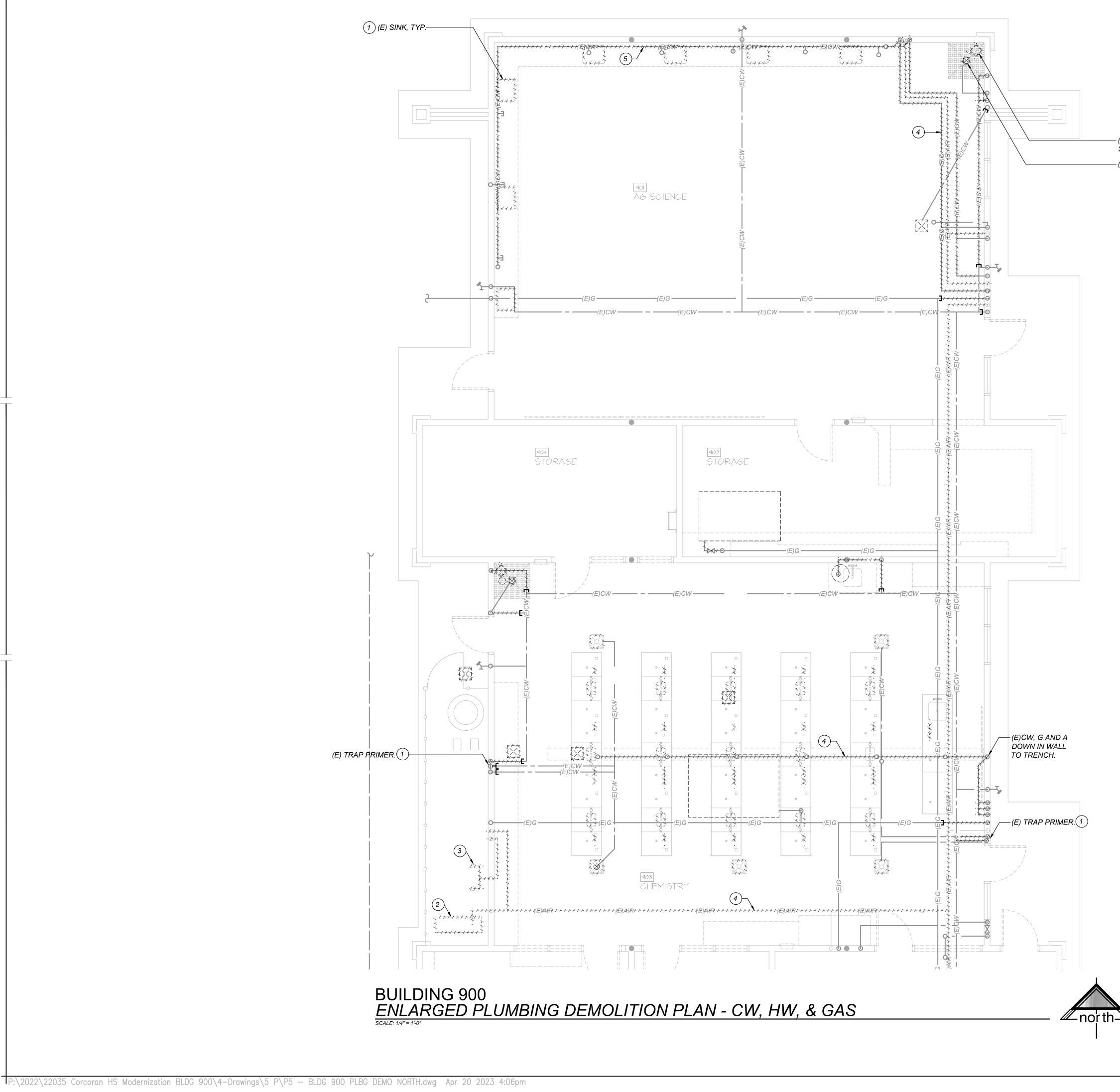


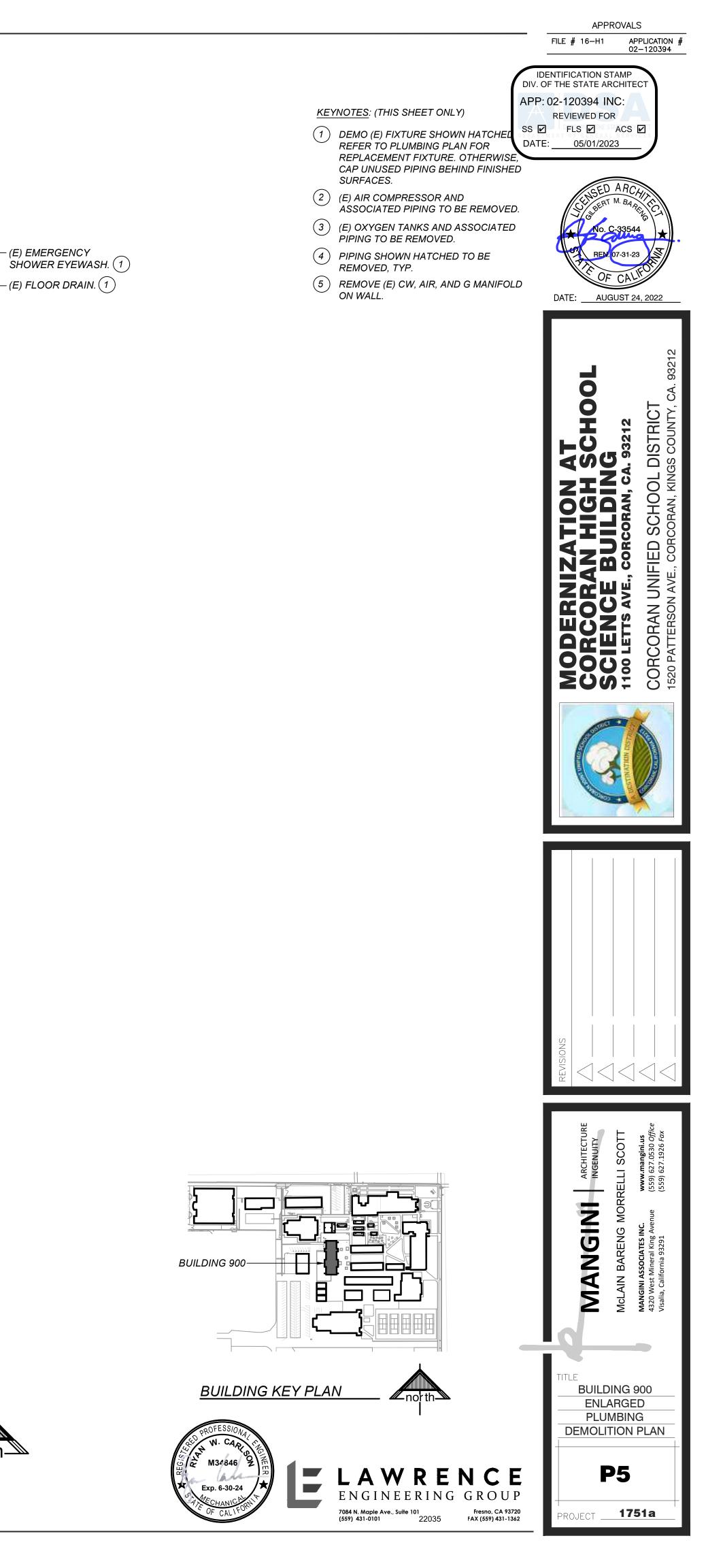


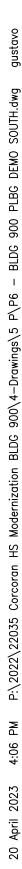
┝╴ ── └┰┼┘



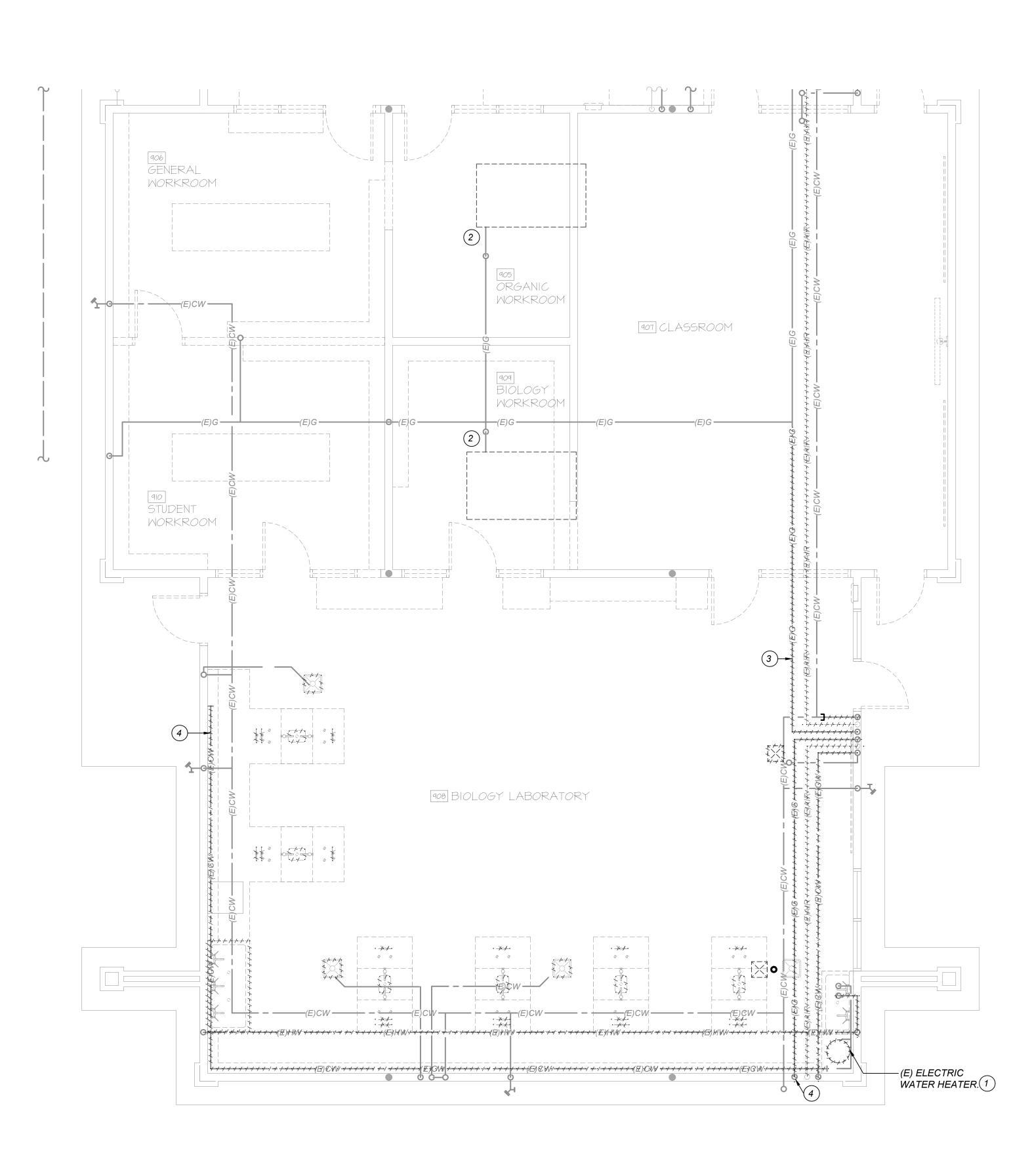
o. 6-30-2





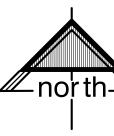


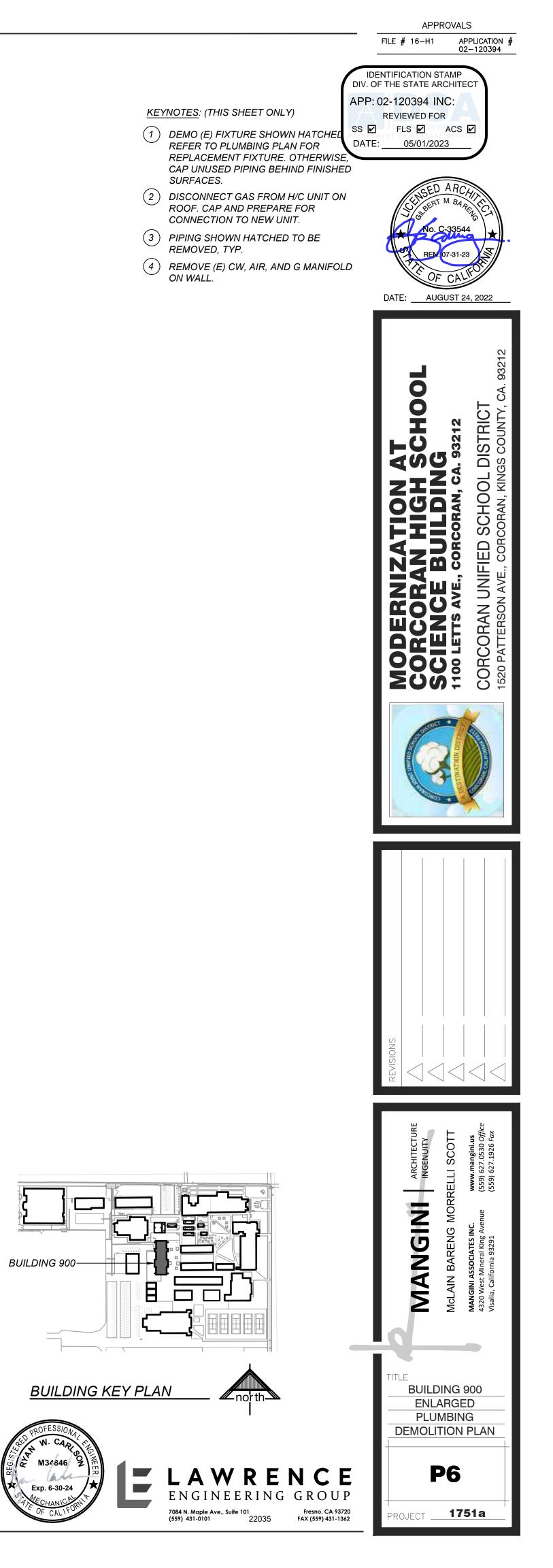


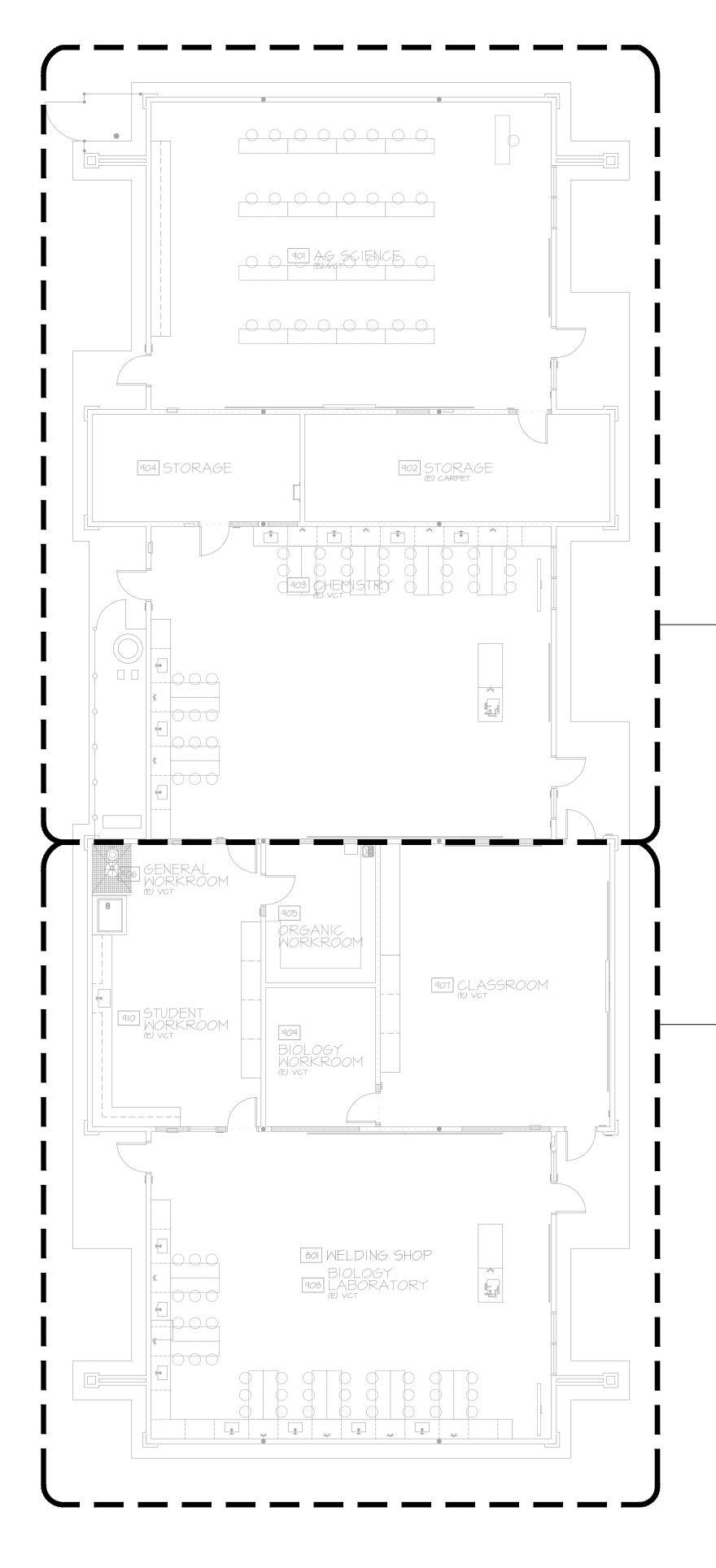




BUILDING 900 ENLARGED PLUMBING DEMOLITION PLAN - CW, HW, & GAS







BUILDING 900 *PLUMBING PLAN*

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

FOR PLUMBING WORK IN THIS AREA, REFER TO SHEET P8 AND P10

FOR PLUMBING WORK IN THIS AREA, REFER TO SHEET P9 AND P11

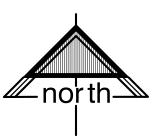
BUILDING 900-

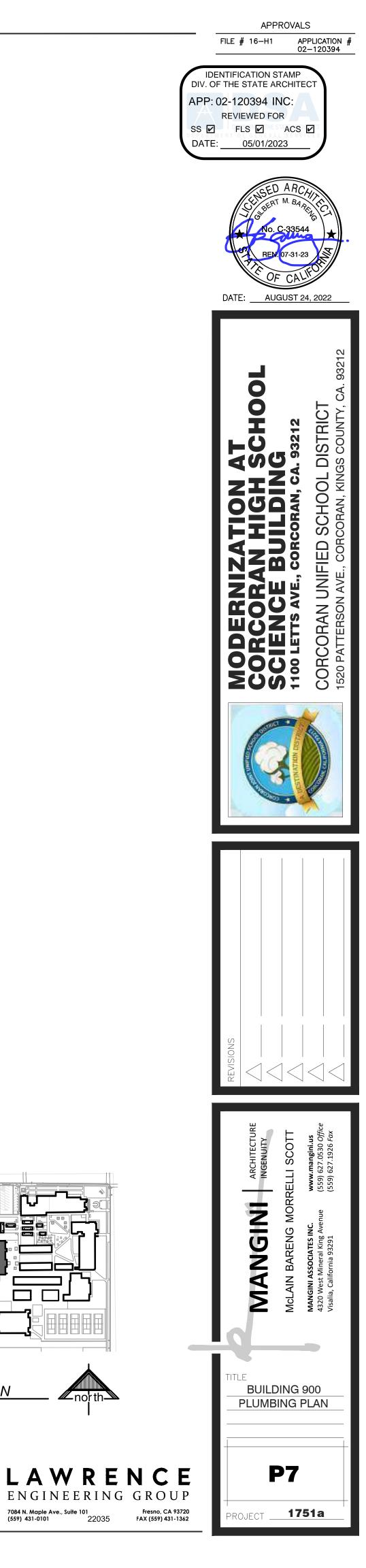
M34846

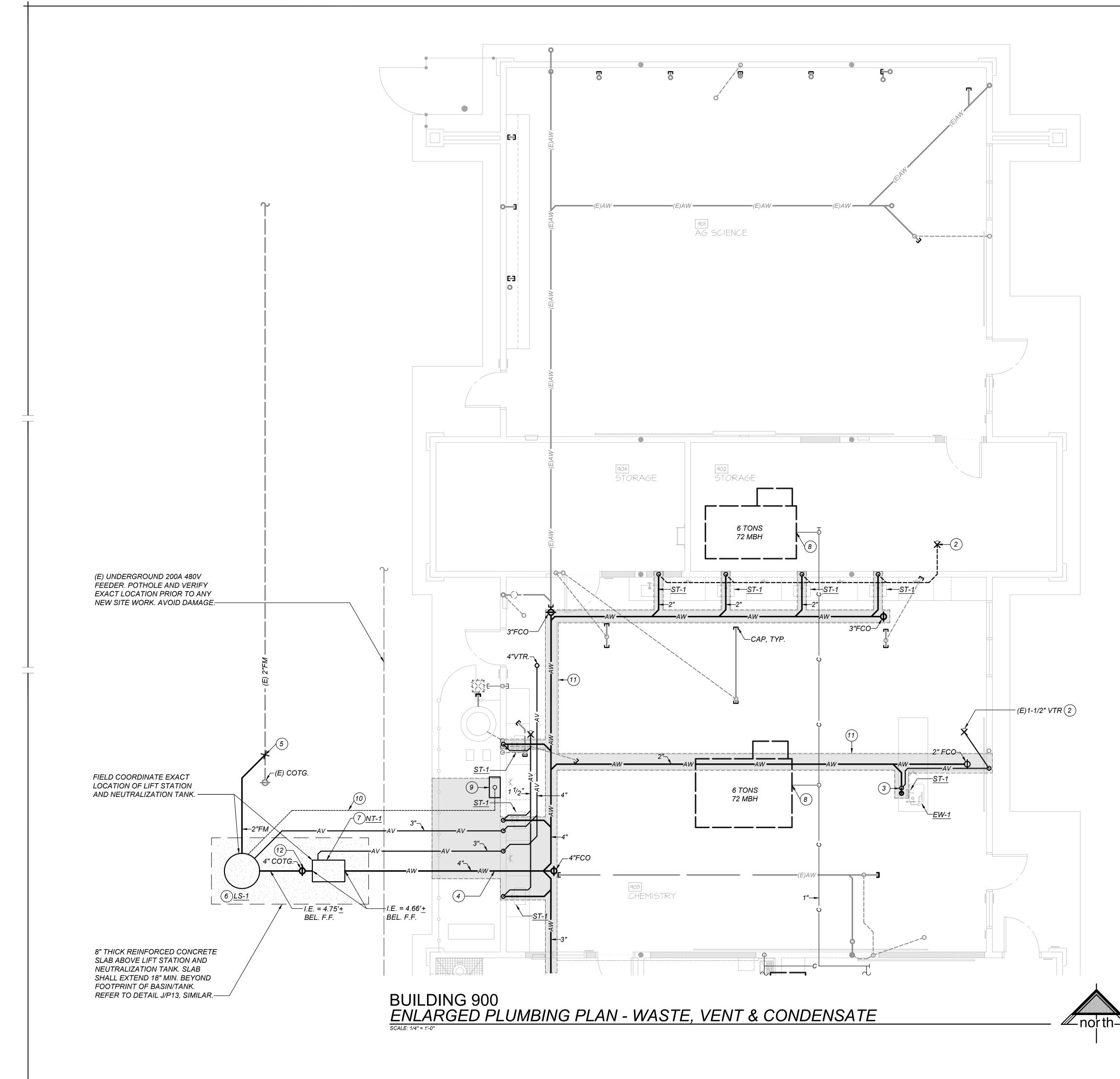
Exp. 6-30-24

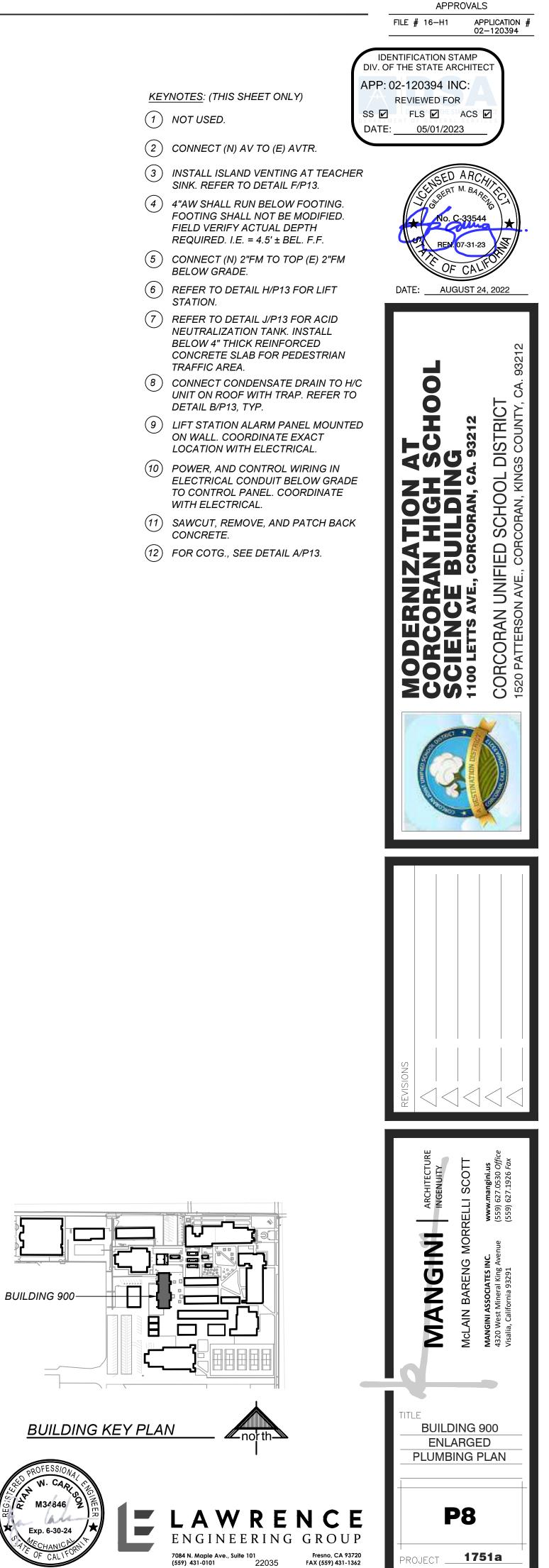
BUILDING KEY PLAN

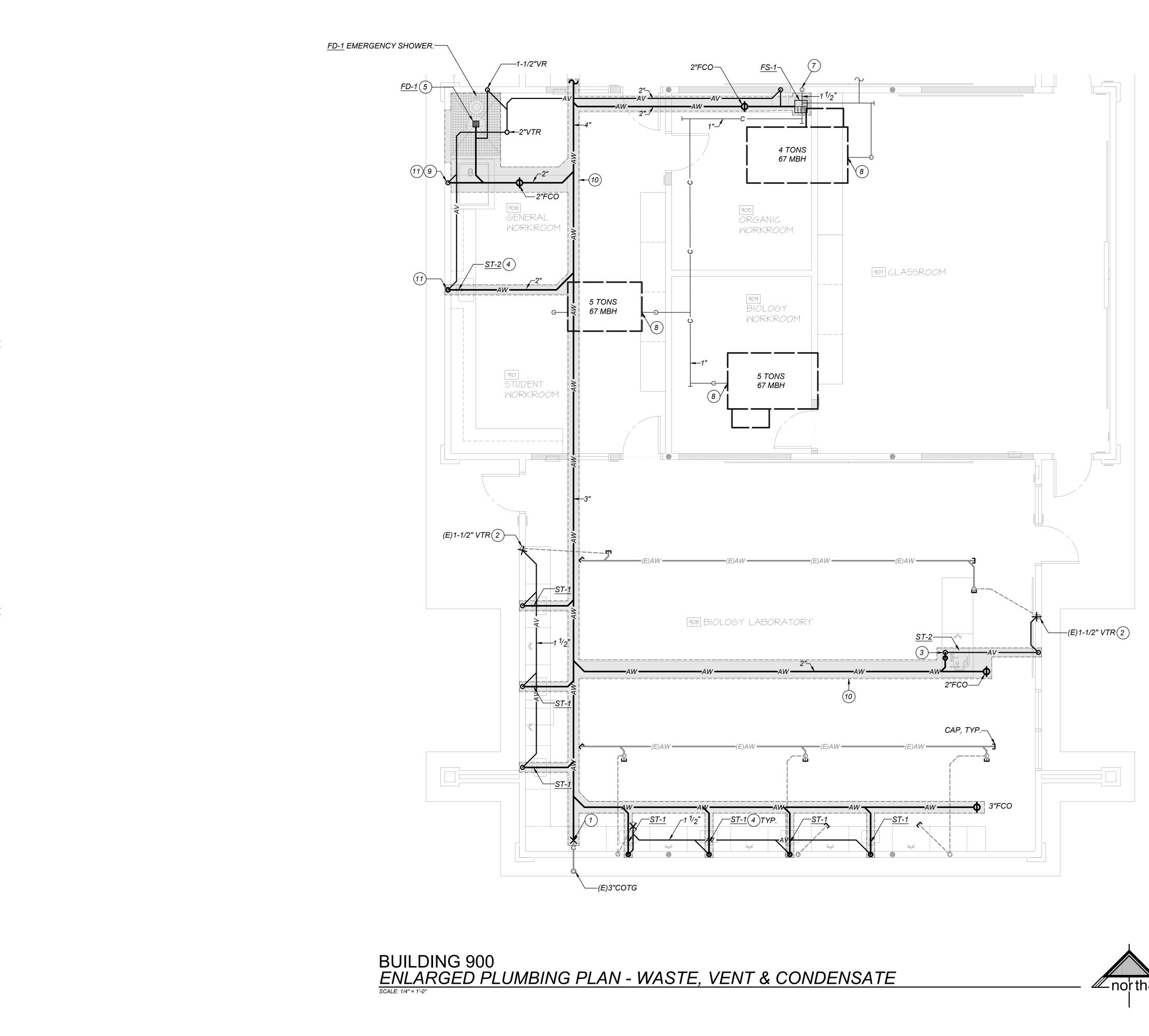
_____north___

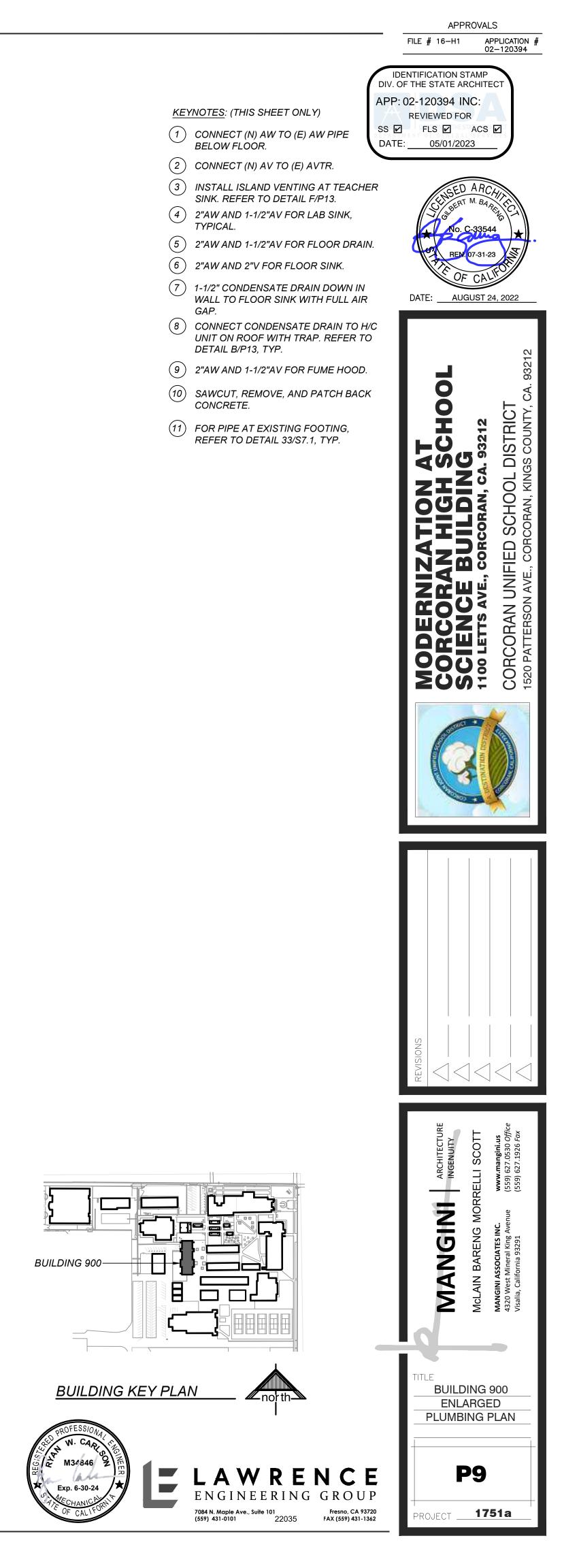










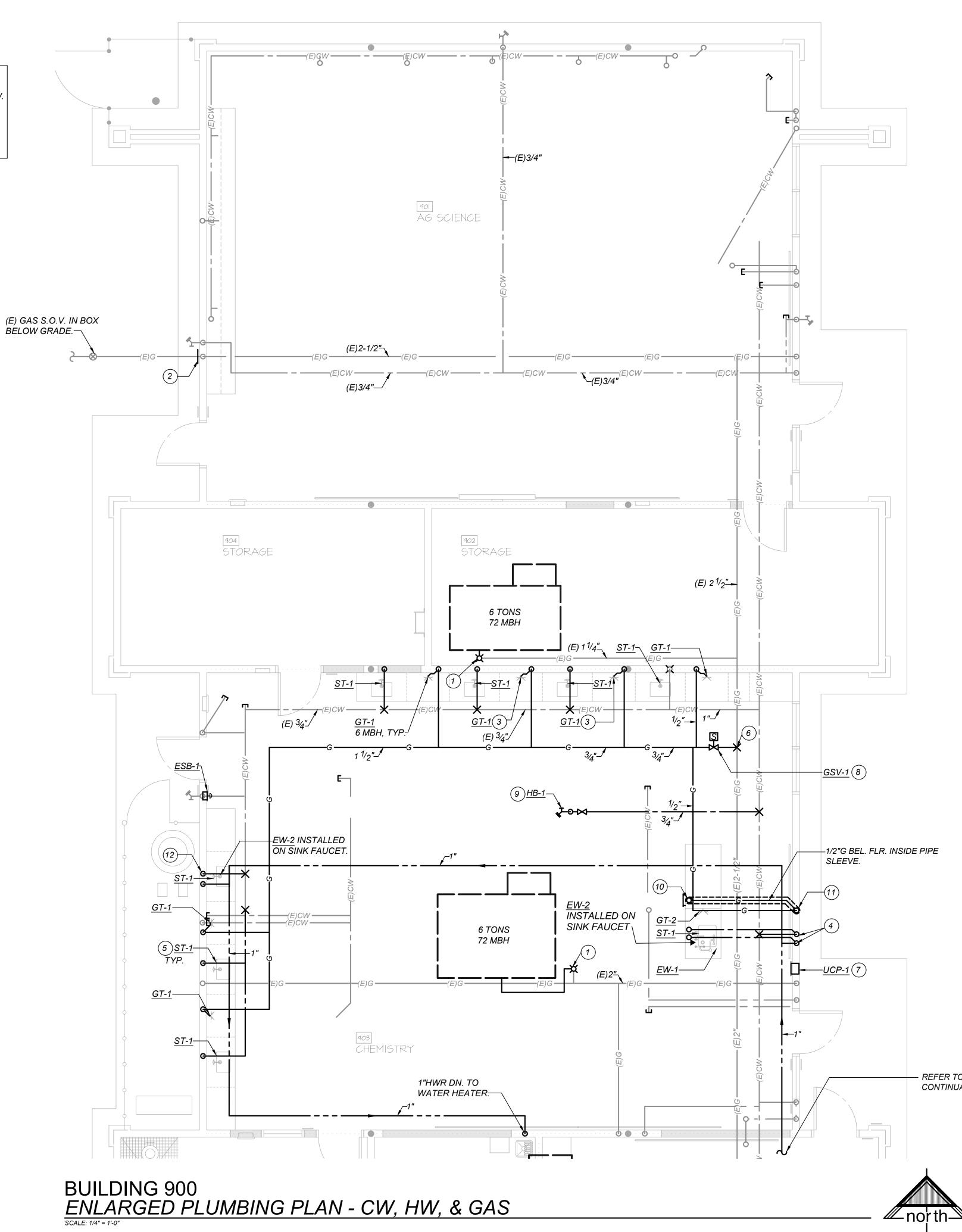


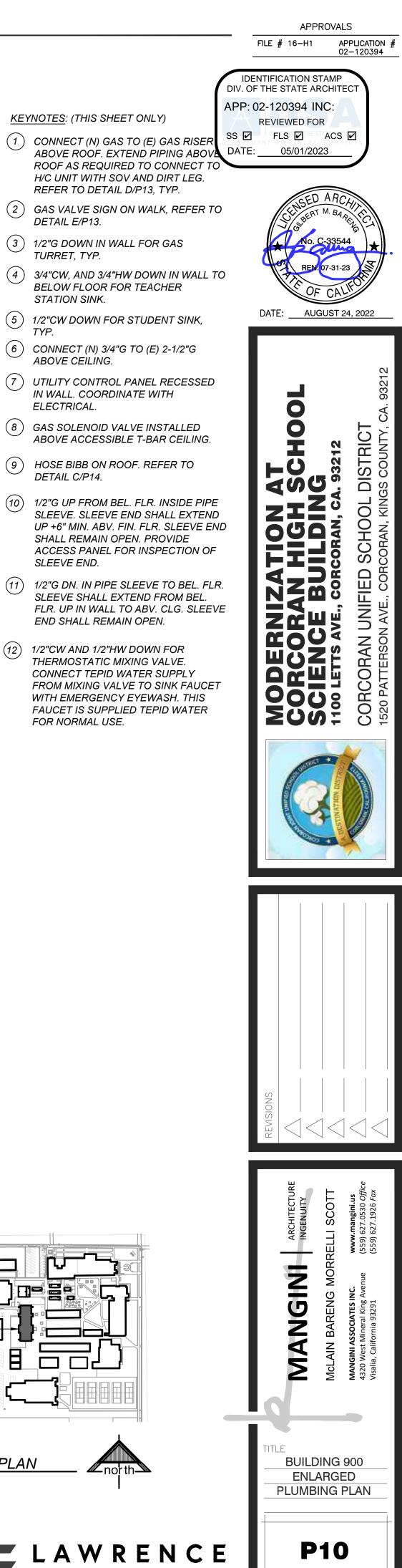
GAS PIPE SIZING NOTE:

FURTHEST APPLIANCE.

GAS PIPE SIZED PER 2019 CPC TABLE 1215.2(1) USING 550 FEET ROW. 540 FEET TOTAL DEVELOPED LENGTH FROM GAS METER TO

634 CFH TOTAL CONNECTED LOAD.





ABOVE CEÌLÍNG. (7) UTILITY CONTROL PANEL RECESSED IN WALL. COORDINATE WITH ELECTRICAL. (8) GAS SOLENOID VALVE INSTALLED ABOVE ACCESSIBLE T-BAR CEILING. 9 HOSE BIBB ON ROOF. REFER TO DETAIL C/P14. (10) 1/2"G UP FROM BEL. FLR. INSIDE PIPE SLEEVE. SLEEVE END SHALL EXTEND UP +6" MIN. ABV. FIN. FLR. SLEEVE END SHALL REMAIN OPEN. PROVIDE ACCESS PANEL FOR INSPECTION OF SLEEVE END. (11) 1/2"G DN. IN PIPE SLEEVE TO BEL. FLR. SLEEVE SHALL EXTEND FROM BEL. FLR. UP IN WALL TO ABV. CLG. SLEEVE END SHALL REMAIN OPEN. (12) 1/2"CW AND 1/2"HW DOWN FOR THERMOSTATIC MIXING VALVE. CONNECT TEPID WATER SUPPLY FROM MIXING VALVE TO SINK FAUCET WITH EMERGENCY EYEWASH. THIS FAUCET IS SUPPLIED TEPID WATER FOR NORMAL USE.

<u>KEYNOTES</u>: (THIS SHEET ONLY)

DETAIL E/P13.

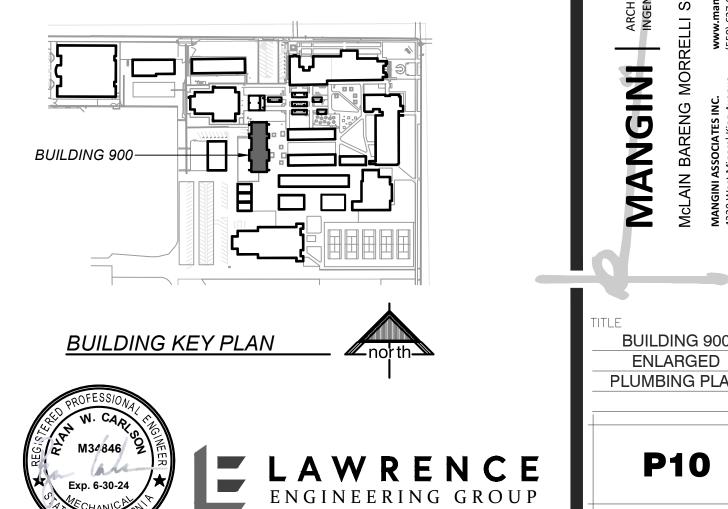
TURRET, TYP.

STATION SINK.

TYP.

REFER TO DETAIL D/P13, TYP.

(3) 1/2"G DOWN IN WALL FOR GAS



7084 N. Maple Ave., Suite 101 (559) 431-0101 22

22035

Fresno, CA 93720 FAX (559) 431-1362

PROJECT 1751a

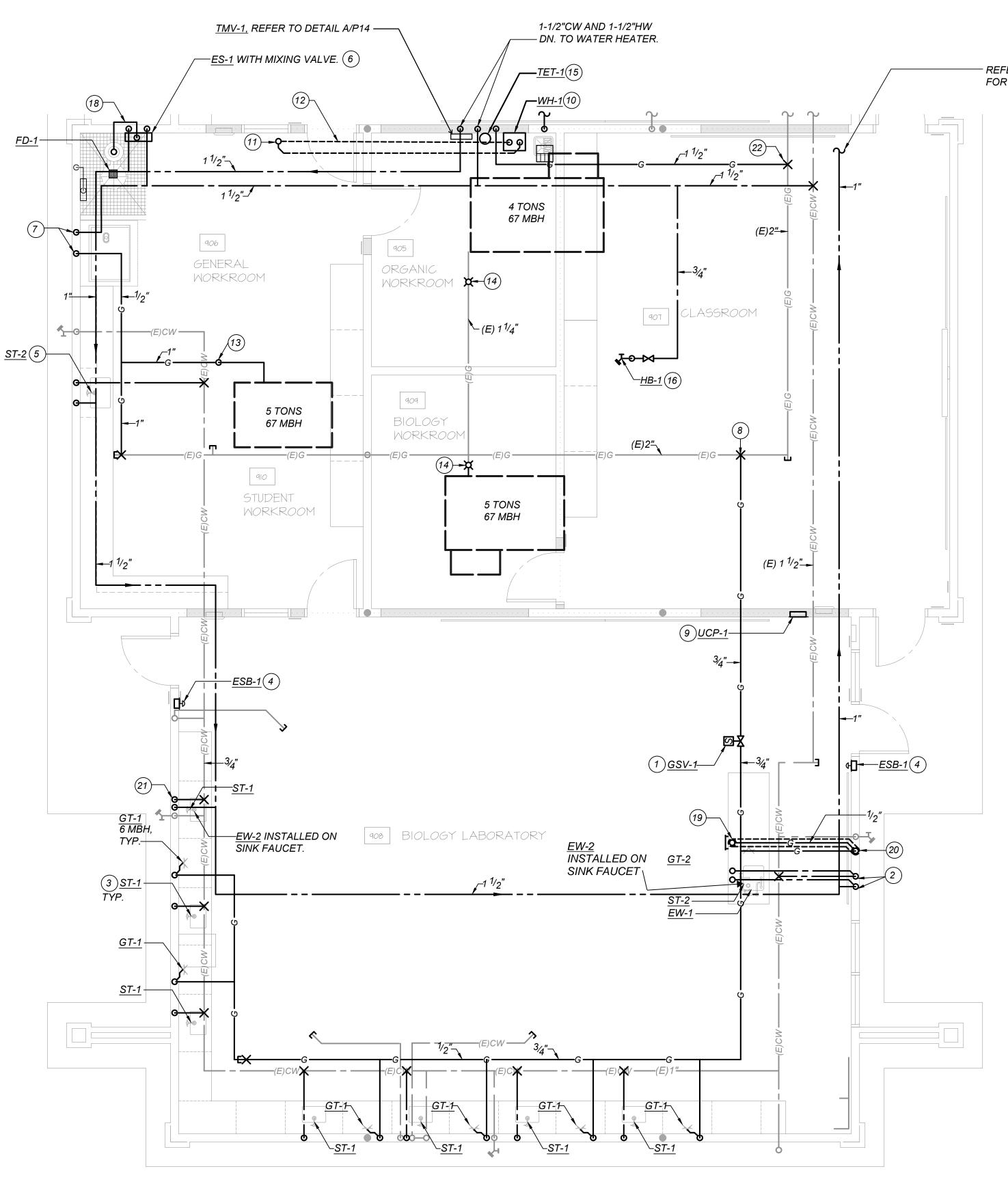
- REFER TO SHEET P11 FOR CONTINUATION.

GAS PIPE SIZING NOTE:

GAS PIPE SIZED PER 2019 CPC TABLE 1215.2(1) USING 550 FEET ROW.

540 FEET TOTAL DEVELOPED LENGTH FROM GAS METER TO FURTHEST APPLIANCE.

634 CFH TOTAL CONNECTED LOAD.



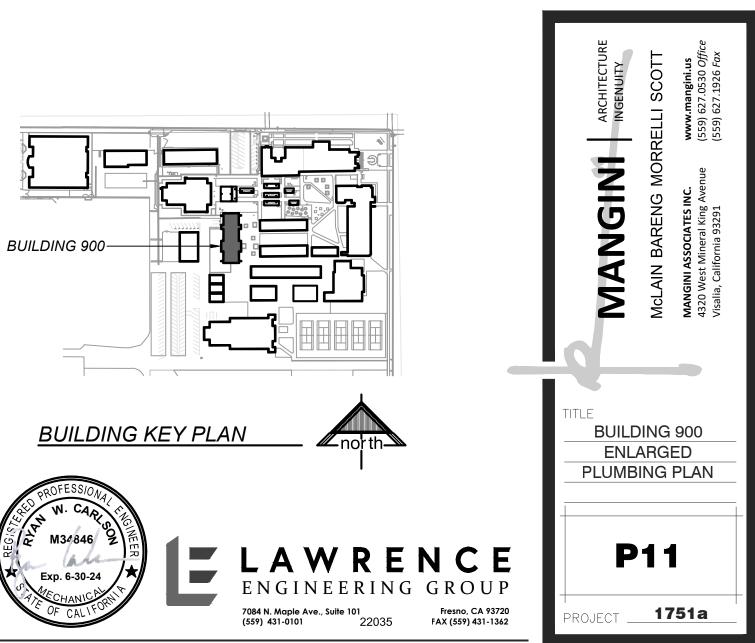


ENLARGED PLUMBING PLAN - CW, HW, & GAS

REFER TO SHEET P10 FOR CONTINUATION.

_no'rth

- (1) GAS SOLENOID VALVE INSTALLED ABOVE ACCESSIBLE T-BAR CEILING.
- (2) 1/2"G, 3/4"CW, AND 3/4"HW DOWN IN WALL TO BELOW FLOOR FOR TEACHER STATION SINK.
- 3 1/2"CW DOWN FOR STUDENT SINK, TYP.
- (4) COORDINATE EMERGENCY STOP BUTTON WITH ARCHITECTURAL ELEVATIONS.
- (5) 1/2"CW AND 1/2"HW DOWN FOR WORKROOM SINK.
- (6) 1-1/2"CW AND 1"HW DOWN FOR THERMOSTATIC MIXING VALVE. 2" TEPID WATER FROM MIXING VALVE TO EMERGENCY SHOWER EYEWASH. REFER TO DETAIL G/P13.
- (7) 1/2"CW AND 1/2"G DOWN FOR FUME HOOD.
- 8 CONNECT (N) 3/4"G TO (E) 2"G ABOVE CEILING.
- (9) UTILITY CONTROL PANEL RECESSED IN WALL. COORDINATE WITH ELECTRICAL.
- (10) INSTANTANEOUS GAS WATER HEATER MOUNTED ON WALL. REFER TO DETAILS A/P14 AND B/P14.
- (11) CONCENTRIC VENT/INTAKE UP THRU ROOF. MAINTAIN 10 FEET CLEARANCE FROM ANY OSA INTAKE.
- (12) OFFSET 3" CPVC VENT AND 3" CPVC INTAKE PIPING ABOVE CEILING.
- (13) (N) 1"G UP THRU ROOF AND CONNECT TO H/C UNIT WITH SOV AND DIRT LEG. REFER TO DETAIL D/P13.
- (14) CONNECT (N) GAS TO (E) GAS RISER ABOVE ROOF. EXTEND PIPING ABOVE ROOF AS REQUIRED TO CONNECT TO H/C UNIT WITH SOV AND DIRT LEG. REFER TO DETAIL D/P13, TYP.
- (15) THERMAL EXPANSION TANK ON WALL. REFER TO DETAIL A/P14.
- (16) HOSE BIBB ON ROOF. REFER TO DETAIL C/P14.
- (17) 1-1/2"CW AND 1"HW FOR EMERGENCY SHOWER MIXING VALVE.
- (18) 2" TEPID WATER FROM MIXING VALVE TO EMERGENCY SHOWER, SHOWN OFFSET FOR CLARITY.
- (19) 1/2"G UP FROM BEL. FLR. INSIDE PIPE SLEEVE. SLEEVE END SHALL EXTEND UP +6" MIN. ABV. FIN. FLR. SLEEVE END SHALL REMAIN OPEN. PROVIDE ACCESS PANEL FOR INSPECTION OF SLEEVE END.
- 20) 1/2"G DN. IN PIPE SLEEVE TO BEL. FLR. SLEEVE SHALL EXTEND FROM BEL. FLR. UP IN WALL TO ABV. CLG. SLEEVE END SHALL REMAIN OPEN.
- (21) 1/2"CW AND 1/2"HW DOWN FOR THERMOSTATIC MIXING VALVE. CONNECT TEPID WATER SUPPLY FROM MIXING VALVE TO SINK FAUCET WITH EMERGENCY EYEWASH. THIS FAUCET IS SUPPLIED TEPID WATER FOR NORMAL USE.
- 22) CONNECT (N) 1-1/2"G TO (E) 2"G ABOVE CEILING.





APPROVALS FILE # 16-H1 APPLICATION #

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITEC

REVIEWED FOR SS 🗹 FLS 🗹 ACS 🗹

APP: 02-120394 INC:

02-120394

		PLU	IMBING FIX	TURE AND	EQUIPME	NT SCHEDULE
MARK	FIXTURE		CONNECT	ION SIZES		DE
WARA	FIXTURE	S or W	V	CW	HW	
<u>EW-2</u>	EYEWASH	-	-	1/2"	1/2"	HAWS #7620 "EYE EYEWASH, LEAD I CONSTRUCTION V 0.9 GPM FLOW CO FAUCET ADAPTOF COMPLIANT. INST LAMINAR FLOW FA HAWS #9201EW "A MIXING VALVE. SE TEMPERATURE TO

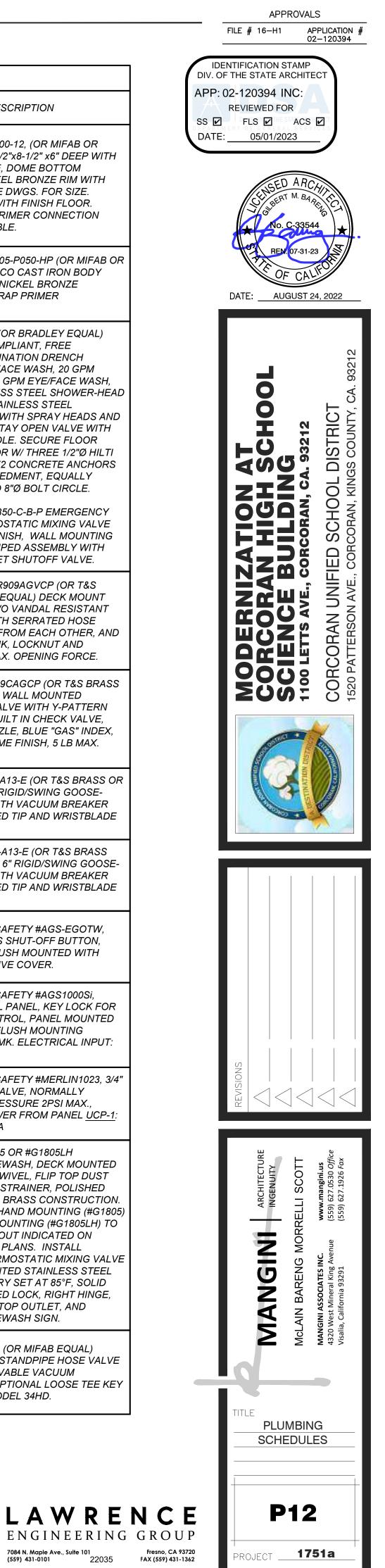
ESCRIPTION

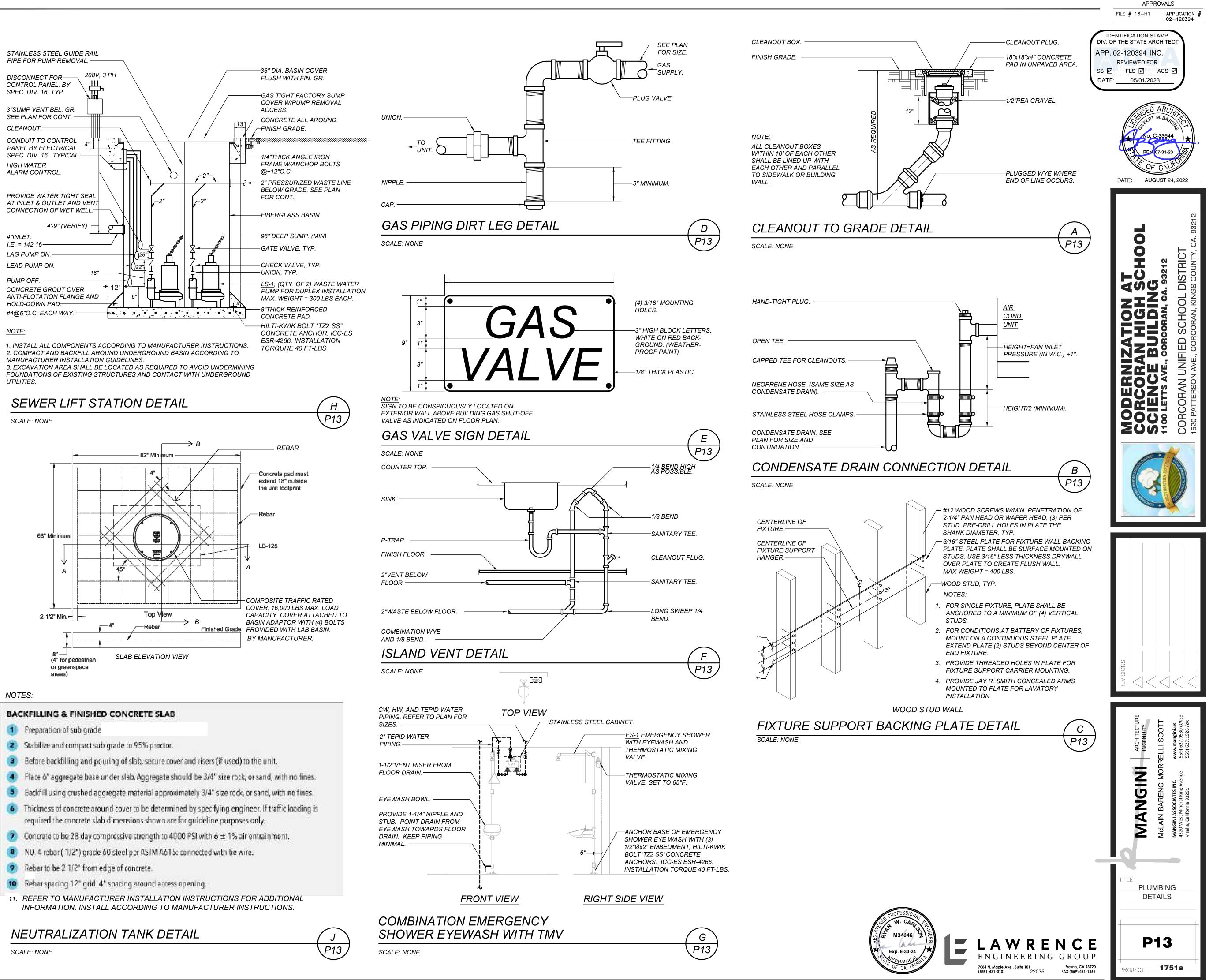
YEPOD" FAUCET-MOUNTED D FREE, STAINLESS STEEL N WITH POLISHED FINISH, CONTROL, (4) ADDITIONAL ORS. ANSI Z358.1 STALL OPTIONAL 1 GPM FAUCET OUTLET.

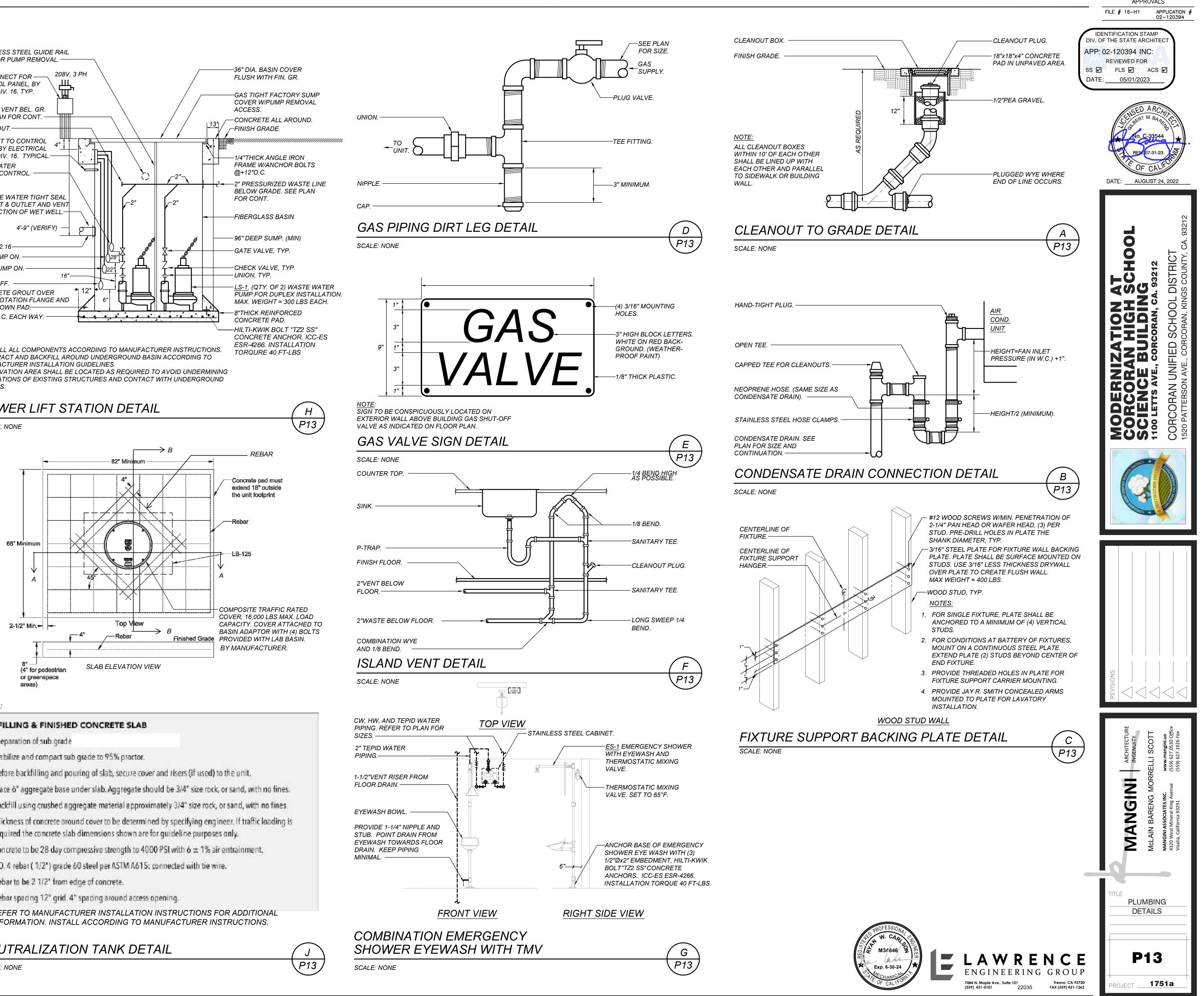
V "AXION" THERMOSTATIC SET OUTLET TO 75°F.

	r	PLI		-	-• -	ENT SCHEDULE		1	PLU			•	ENT SCHEDULE
MARK	FIXTURE	S or W		TION SIZES	S HW	DESCRIPTION	MARK	FIXTURE	S or W	CONNECT V	ION SIZES CW	HW	DESCRIPTION
		~				NAVIEN # NPE-240A2 INSTANTANEOUS WATER HEATER, NATURAL GAS FIRED, 199,000 BTUH MAX. GAS DEMAND. 0.95 UNIFORM ENERGY FACTOR, 5.8 GPM AT 67°F TEMPERATURE RISE, INDOOR INSTALLATION, FURNISH WITH 3" CPVC	<u>FS-1</u>	FLOOR SINK	-	-	-	-	JAY R. SMITH #3100-12, (OR MIFAB OR ZURN EQUAL) 8-1/2"x8-1/2" x6" DEEP WITH ANCHOR FLANGE, DOME BOTTOM STRAINER & NICKEL BRONZE RIM WITH HALF GRATE. SEE DWGS. FOR SIZE. INSTALL FLUSH WITH FINISH FLOOR. PROVIDE TRAP PRIMER CONNECTION WHERE APPLICABLE.
<u>WH-1</u>	WATER HEATER	-	3"	3/4"	3/4"	EXHAUST PORTS, BUILT IN 0.5 GALLON BUFFER TANK AND RECIRCULATION PUMP. WEIGHT: 100 LBS ELECTRICAL: 120V, 1Ø, 200W (MAX 2A) ACCESSORIES:	<u>FD-1</u>	FLOOR DRAIN	2"	1-1/2"	1/2"	-	JAY R. SMITH #2005-P050-HP (OR MIFAB OR ZURN EQUAL) DUCO CAST IRON BODY WITH 5" SQUARE NICKEL BRONZE STRAINER AND TRAP PRIMER CONNECTION.
						#3009323A PLUMB EASYVALVE SET (3/4") WITH RELIEF VALVE. #GXXX001322 NEUTRALIZER KIT. IPEX SYSTEM 636 CPVC-FGV CONCENTRIC VENT KIT.		EMERGENCY					HAWS #8309WC, (OR BRADLEY EQUAL) CBC ACCESS COMPLIANT, FREE STANDING COMBINATION DRENCH SHOWER & EYE/FACE WASH, 20 GPM SHOWER AND 3.7 GPM EYE/FACE WASH, #8127FC STAINLESS STEEL SHOWER-HEAD W/ PULL ROD, STAINLESS STEEL EYE/FACE BOWL WITH SPRAY HEADS AND DUST COVERS, STAY OPEN VALVE WITH PUSH FLAG HANDLE. SECURE FLOOR
<u>TET-1</u>	THERMAL EXPANSION TANK	-	-	3/4"	-	WESSELS TTA-5, 3.5 GALLON ASME RATED TANK / 2.3 GALLON ACCEPTANCE WITH INLINE CONNECTIONS AND WITH FDA APPROVED BLADDER FOR POTABLE WATER USE. WT. 52 LBS. (QTY. 2) WEIL #1601 WASTEWATER PUMPS FOR DUPLEX INSTALLATION, SIZED FOR 24 GPM AT 13 FT HEAD, 1150 RPM, 0.5 HP, 5.63"	<u>ES-1</u>	SHOWER	2"	1-1/2"	1-1/2"	1"	FLANGE TO FLOOR W/ THREE 1/2"Ø HILTI KWIK BOLT KB-TZ2 CONCRETE ANCHORS WITH 2" MIN. EMBEDMENT, EQUALLY SPACED AROUND 8"Ø BOLT CIRCLE. ICC-ES ESR-4266. BRADLEY #S19-2350-C-B-P EMERGENCY FIXTURE THERMOSTATIC MIXING VALVE WITH CHROME FINISH, WALL MOUNTING BRACKET, AND PIPED ASSEMBLY WITH INLET AND OUTLET SHUTOFF VALVE.
						IMPELLER, MOISTURE SENSOR AND TEMPERATURE LIMITER, STAINLESS STEEL LIFTING CABLE ELECTRICAL REQUIRED: (2) 0.5 HP, 208V, 1 PH, 12.6 FLA EACH. WEIL #W-8151-D-063 DUPLEX ALTERNATING PUMP CONTROL PANEL, HIGH WATER ALARM SYSTEM, PUMP TEST SWITCHES, LOCKABLE PANEL DISCONNECT, TWO LOCKABLE PUMP	<u>GT-1</u>	GAS TURRET	-	-	-	-	CHICAGO #982-VR909AGVCP (OR T&S BRASS OR ZURN EQUAL) DECK MOUNT TURRET WITH TWO VANDAL RESISTANT BALL VALVES WITH SERRATED HOSE NOZZLES AT 90° FROM EACH OTHER, AND WITH INLET SHANK, LOCKNUT AND WASHER. 5 LB MAX. OPENING FORCE.
						DISCONNECTS. #8100K7224D MOISTURE SENSOR AND TEMPERATURE LIMIT CIRCUITS. WEIL #8233K1014 TETHERED LEVEL CONTROLS, 4 SWITCHES FOR DUPLEX WITH ALARM CONFIGURATION. #314.399.00 MOUNTING BRACKET AND #303.935.103 MOUNTING PIPE, 40 FT CORD (CONTRACTOR	<u>GT-2</u>	GAS TURRET	-	-	-	-	CHICAGO #987-909CAGCP (OR T&S BRASS OR ZURN EQUAL) WALL MOUNTED TURRET, DUAL VALVE WITH Y-PATTERN WALL FLANGE, BUILT IN CHECK VALVE, SEPARATED NOZZLE, BLUE "GAS" INDEX, POLISHED CHROME FINISH, 5 LB MAX. OPENING FORCE.
<u>LS-1</u>	LIFT STATION	4"	3"	-	_	SHALL VERIFY REQUIRED CORD LENGTH AND PROVIDE APPROPRIATE CORD LENGTH). TOPP INDUSTRIES #FB36X096, 36" INSIDE DIAMETER FIBERGLASS BASIN x 96" DEEP, ANTI-FLOAT FLANGE. #C36HSS SINGLE HATCH STEEL ROUND BASIN COVER. TANK	<u>ST-1</u>	SINK TRIM (STUDENTS)	-	-	1/2"	-	CHICAGO #LWS1-A13-E (OR T&S BRASS OR ZURN EQUAL) 6" RIGID/SWING GOOSE- NECK FAUCET WITH VACUUM BREAKER SPOUT, SERRATED TIP AND WRISTBLADE HANDLE.
						SHALL BE PROVIDED WITH ALL REQUIRED FLEXIBLE BOOTS, COUPLINGS, FLANGES, GROMMETS FOR A COMPLETE SEALED SYSTEM. ALL INSTALLATION SHALL BE PER MANUFACTURERS RECOMMENDATIONS.	<u>ST-2</u>	SINK TRIM (TEACHER)	-	-	1/2"	1/2"	CHICAGO #LWM1-A13-E (OR T&S BRASS OR ZURN EQUAL) 6" RIGID/SWING GOOSE- NECK FAUCET WITH VACUUM BREAKER SPOUT, SERRATED TIP AND WRISTBLADE HANDLES.
						SUBMIT SHOP DRAWING OF LIFT STATION ASSEMBLY FOR REVIEW PRIOR TO INSTALLATION. DANFOSS 2" MODEL 745 SWING CHECK VALVE. ONE FOR EACH PUMP.	<u>ESB-1</u>	EMERGENCY STOP BUTTON	-	-	-	-	AMERICAN GAS SAFETY #AGS-EGOTW, EMERGENCY GAS SHUT-OFF BUTTON, TWIST RESET, FLUSH MOUNTED WITH CLEAR PROTECTIVE COVER.
						WATTS 2" SIZE, SERIES 406NRSRW NON-RISING STEM, RESILIENT WEDGE, FLANGED GATE VALVE. ONE FOR EACH PUMP. INSTALL DOWNSTEAM OF THE CHECK VALVE.	<u>UCP-1</u>	UTILITY CONTROL PANEL	-	-	-	-	AMERICAN GAS SAFETY #AGS1000Si, UTILITY CONTROL PANEL, KEY LOCK FOR AUTHORITY CONTROL, PANEL MOUNTED PANIC BUTTON, FLUSH MOUNTING BRACKET #AGSFMK. ELECTRICAL INPUT: 120V, 60HZ, 3A
				<u> </u>		TOPP INDUSTRIES #C36HSS STEEL ROUND COVER. NO DISCHARGE FLANGES NEEDED. STREIM "LAB BASIN" #LB-125 POLYETHYLENE NEUTRALIZATION TANK, 4" INLET/OUTLET 3" VENT CONNECTION,	<u>GSV-1</u>	GAS SOLENOID VALVE	_	-	-	-	AMERICAN GAS SAFETY #MERLIN1023, 3/4" SOLENOID GAS VALVE, NORMALLY CLOSED, GAS PRESSURE 2PSI MAX., ELECTRICAL POWER FROM PANEL <u>UCP-1</u> : 120V, 60HZ, 0.160A
<u>NT-1</u>	NEUTRAL- IZATION TANK	4"	2"	-	-	RISERS AS REQUIRED TO GRADE. PROVIDE LIMESTONE WITH 90%+ CALCIUM CARBONATE AND FILL TANK WITH MANUFACTURER RECOMMENDED AMOUNT. COMPOSITE TRAFFIC RATED COVER WITH 16,000 LBS MAX. LOAD CAPACITY.							GUARDIAN #G1805 OR #G1805LH EMERGENCY EYEWASH, DECK MOUNTED AUTOFLOW 90° SWIVEL, FLIP TOP DUST COVERS, IN-LINE STRAINER, POLISHED CHROME PLATED BRASS CONSTRUCTION. PROVIDE RIGHT-HAND MOUNTING (#G1805) OR LEFT-HAND MOUNTING (#G1805LH) TO
WHS-1	WATER HEATER SOFTENER	-	-	_	_	NAVIEN PEAKFLOW "A" SCALE PREVENTION WATER TREATMENT SYSTEM #GPWC310001AC001. PROVIDE WITH PEAKFLOW "A" REPLACEMENT MEDIA. 10 GPM MAX FLOWRATE.	<u>EW-1</u>	EYEWASH	-	-	1/2"	1/2"	MATCH SINK LAYOUT INDICATED ON ARCHITECTURAL PLANS. INSTALL #G6024-1R1 THERMOSTATIC MIXING VALVE IN RECESS MOUNTED STAINLESS STEEL CABINET, FACTORY SET AT 85°F, SOLID DOOR WITH KEYED LOCK, RIGHT HINGE, BOTTOM INLETS/TOP OUTLET, AND EMERGENCY EYEWASH SIGN.
						UNIT SIZE: 22.5"x5.5" MAX WEIGHT= 20 LBS. 1" INLET & OUTLET REFER TO DETAIL A/P14 AND D/P14	<u>HB-1</u>	HOSE BIBB	_	-	3/4"	-	WOODFORD #Y24 (OR MIFAB EQUAL) ROUGH BRONZE STANDPIPE HOSE VALVE WITH NON-REMOVABLE VACUUM BREAKER, AND OPTIONAL LOOSE TEE KEY HANDLE WITH MODEL 34HD.
<u>TMV-1</u>	THERMOSTATIC MIXING VALVE (108F)	-	-	-	_	BRADLEY #S59-3045-R-S-B-P-0 HIGH LOW THERMOSTATIC MIXING VALVE, (OR LEONARD EQUAL), 19GPM @10PSI PD, ROUGH BRASS, STANDARD RANGE THERMOSTAT, SET AT 108 DEGREES F., WALL MOUNTING BRACKET , PIPED ASSEMBLY WITH INLET AND OUTLET SHUTOFF.		1	1	<u> </u>	REGINTER	PROFESSION W. CAR M34846	

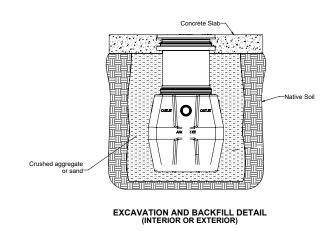




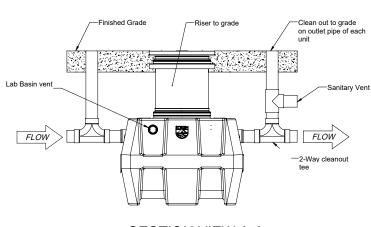




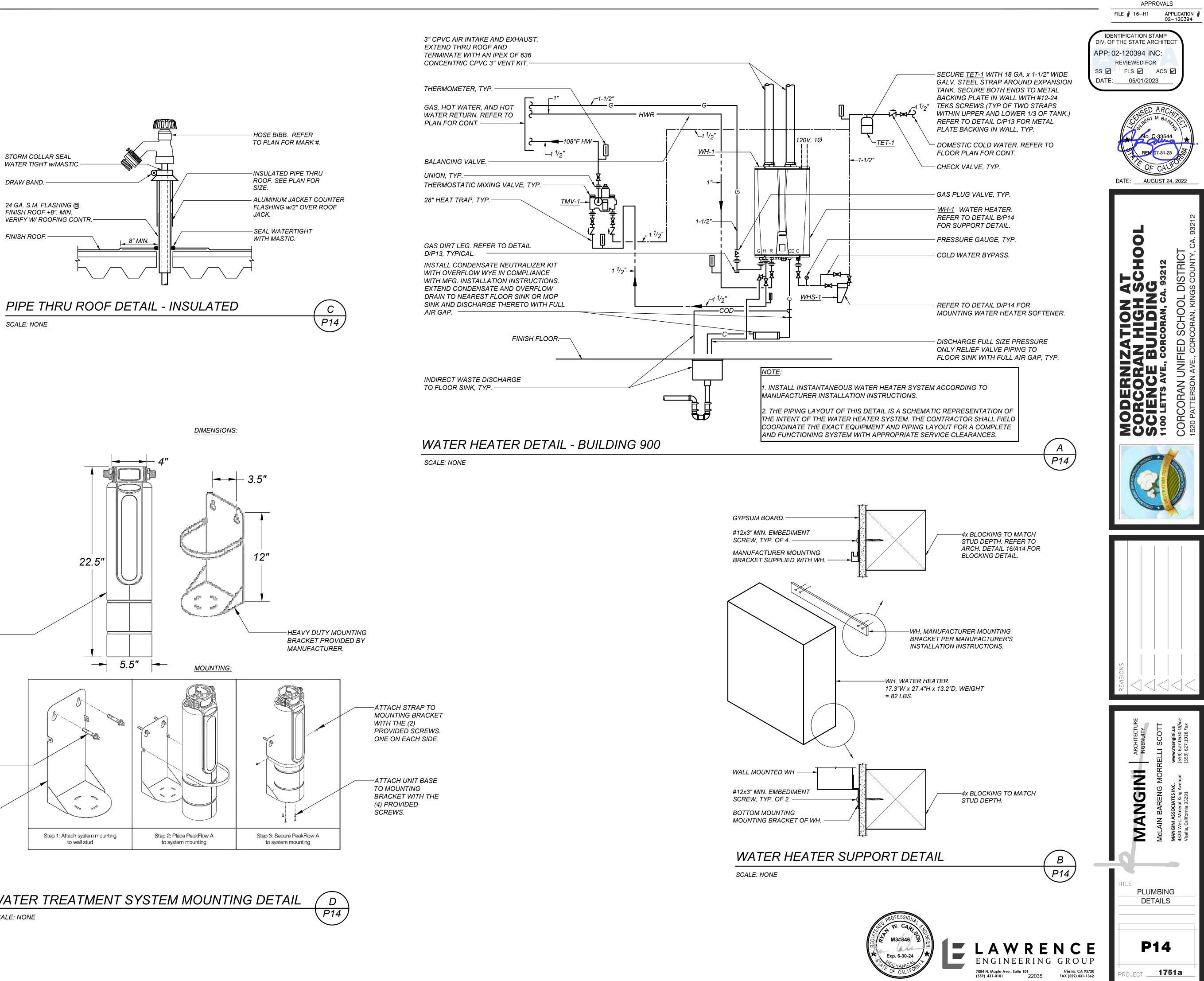
1	Charles Market and
	Preparation of sub grade
2	Stabilize and compact sub grade to 95% proctor.
3	Before backfilling and pouring of slab, secure cover and risers (if use
4	Place 6" aggregate base under slab. Aggregate should be 3/4" size i
6	Backfill using crushed aggregate material approximately 3/4" size m
6	Thickness of concrete around cover to be determined by specifying a required the concrete slab dimensions shown are for guideline purp
7	Concrete to be 28 day compressive strength to 4000 PSI with 6 \pm 15
8	NO. 4 rebar (1/2*) grade 60 steel per ASTM A615: connected with ti
9	Rebar to be 2 1/2' from edge of concrete.
10	Rebar spacing 12" grid. 4" spacing around access opening.
11.	REFER TO MANUFACTURER INSTALLATION INSTRUCTION INFORMATION. INSTALL ACCORDING TO MANUFACTURER

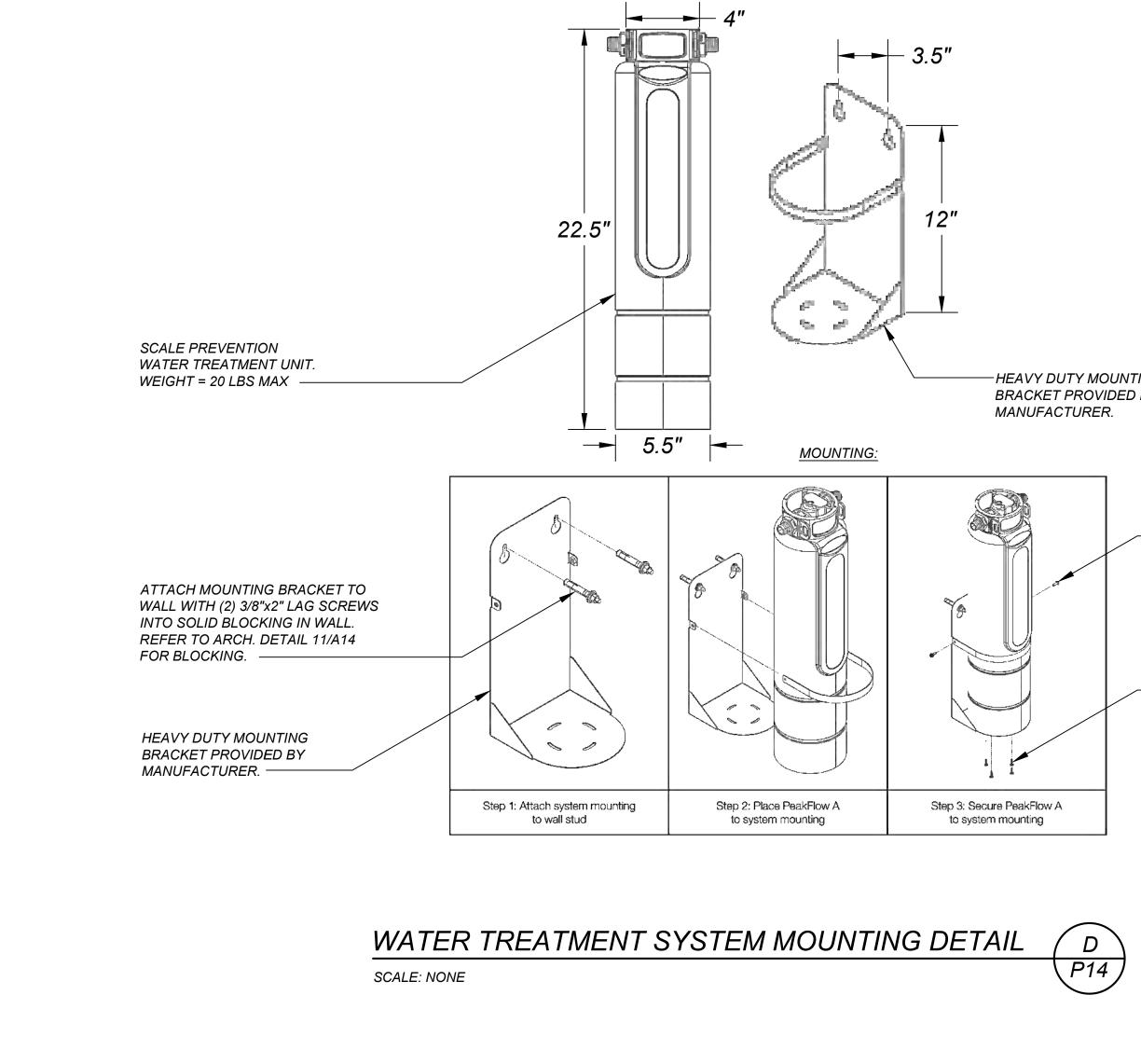


SECTION VIEW B-B

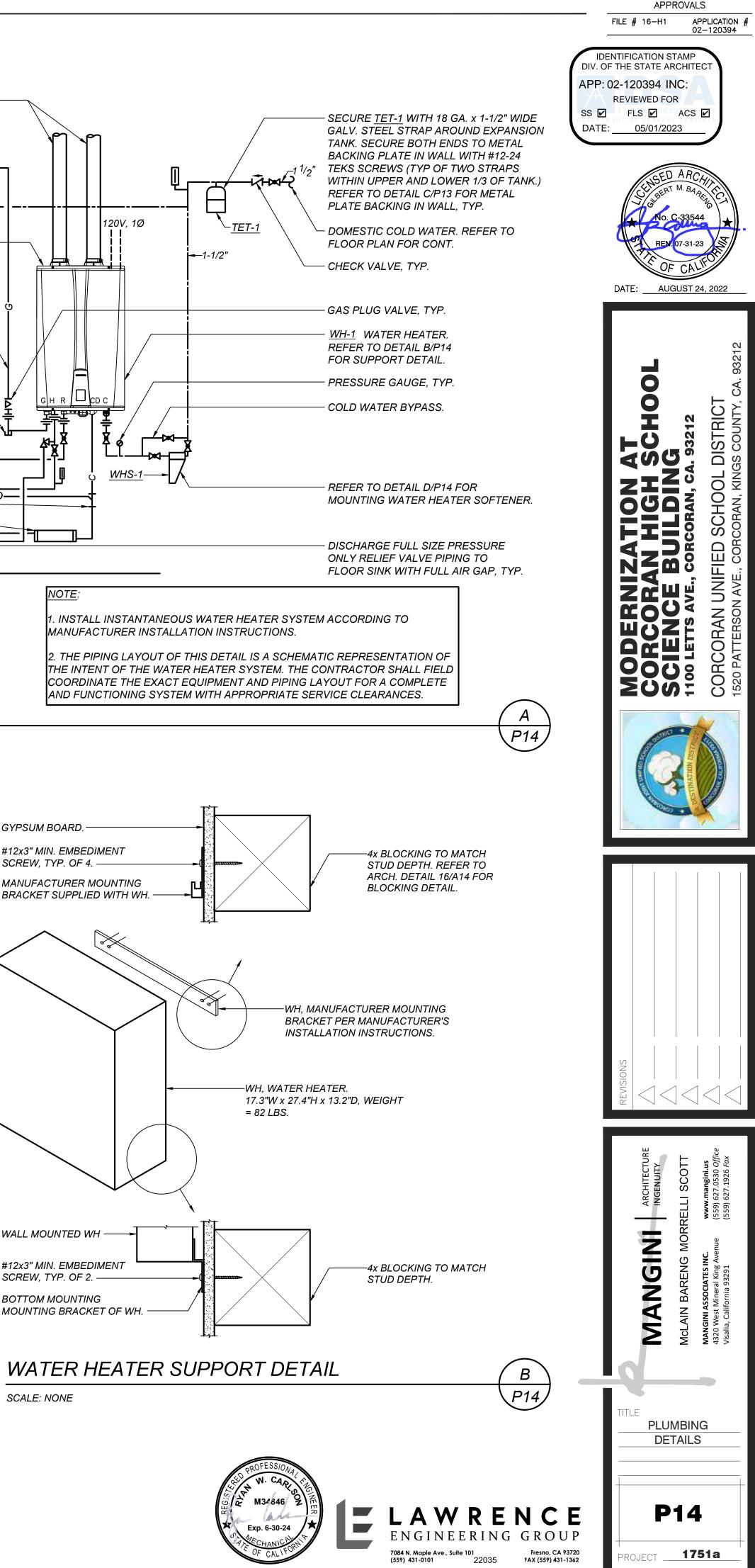


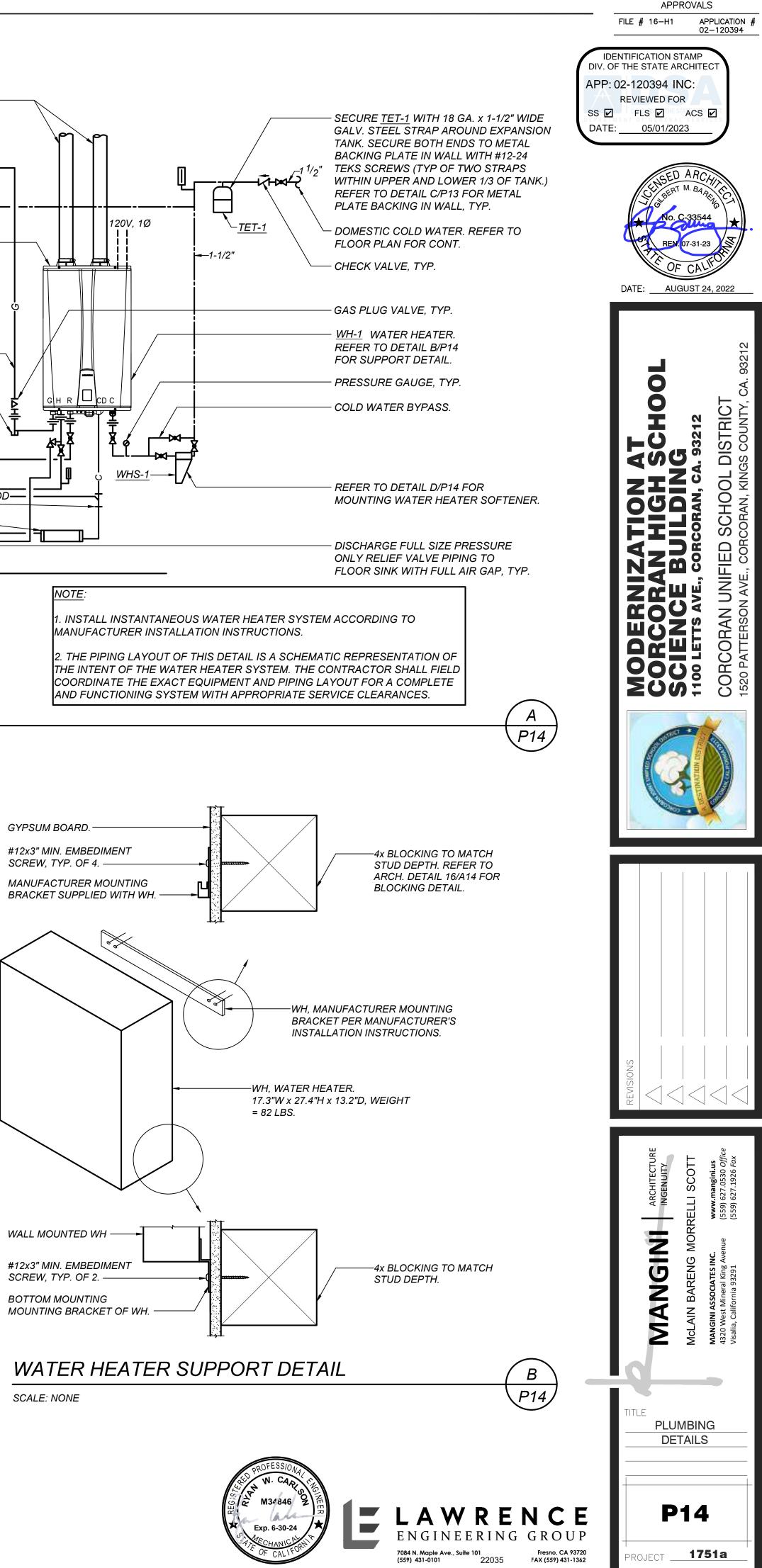
SECTION VIEW A-A

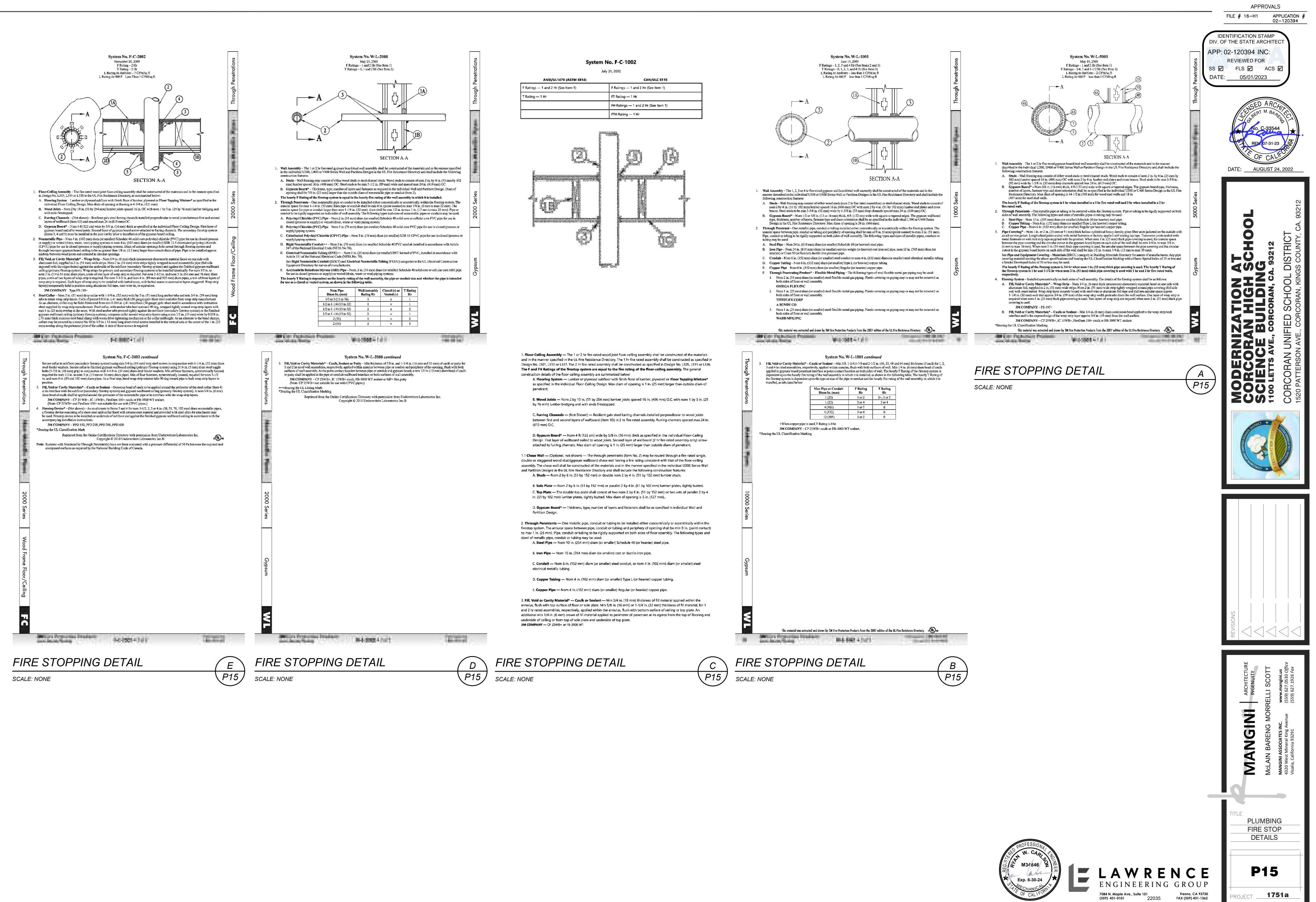


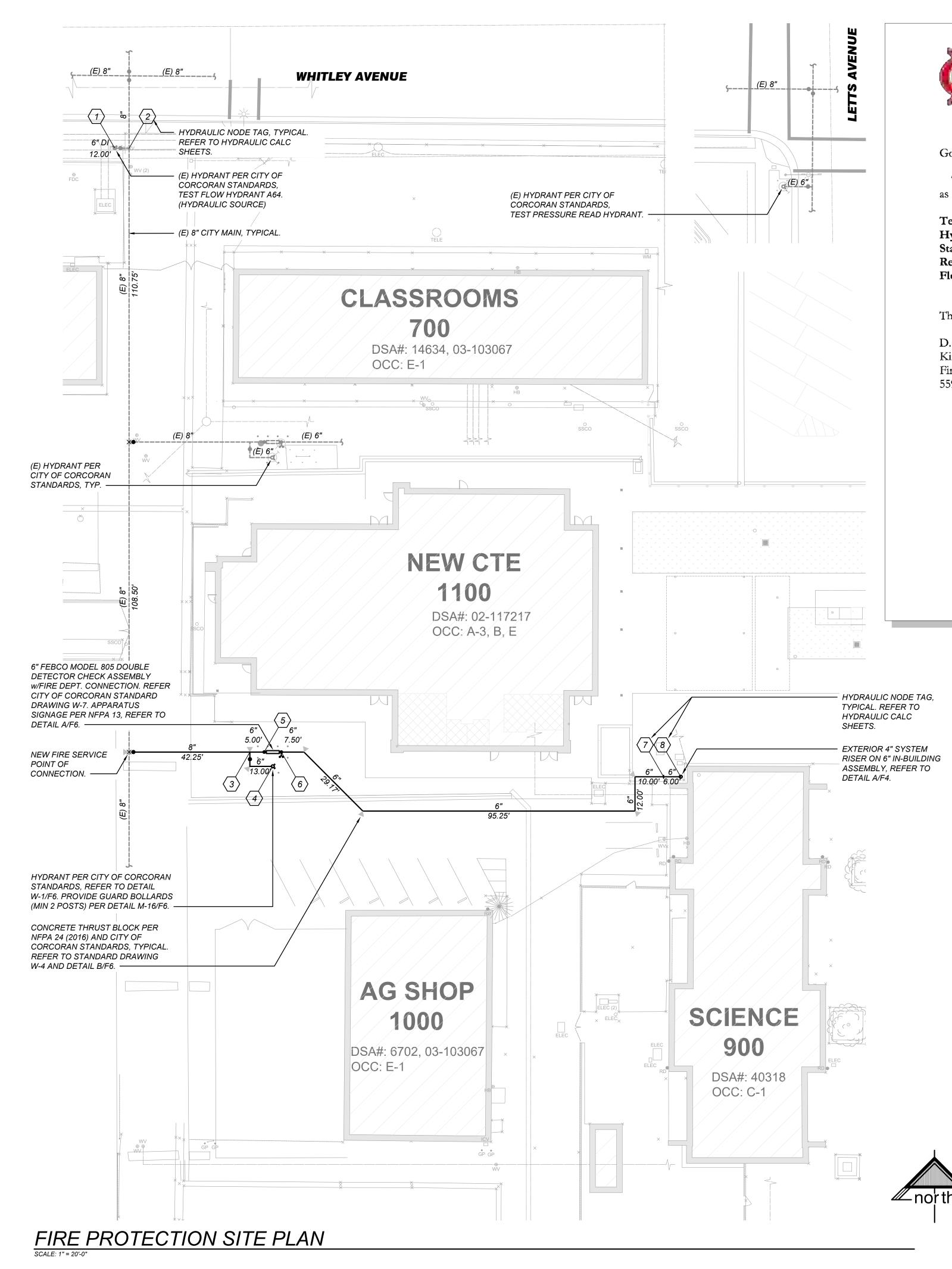












KINGS COUNTY FIRE DEPARTMENT 280 Campus Drive, Hanford, CA 93230 P (559) 852-2881 • F (559) 582-8261 "Promote, Preserve and Protect Public Safety" Clay Smith, Fire Chief

Good Morning,

The hydrant information on Whitley Avenue and Josephine Avenue are as follows:

Test Date: 04/27/22 @ 3:00pm Hydrant: A64 Static: 44 PSI **Residual: 40 PSI** Flow: 1356 GPM

Thank you,

D. Aaron Parreira Kings County Fire Department Fire Marshal/Battalion Chief 559-852-2885

SITE UNDERGROUND PLAN NOTES

- 1. THE UNDERGROUND PIPING PLAN AS SHOWN, IS INTENDED FOR CROSS-REFERENCING WITH THE HYDRAULIC CALCULATION SHEETS. VERIFY LOCATION OF EXISTING UNDERGROUND PIPING IN FIELD PRIOR TO ADDING ANY NEW CONNECTIONS.
- THE UNDERGROUND FIRE PIPING INSTALLATION CONTRACTOR SHALL COORDINATE WITH APPLICABLE PLUMBING, CIVIL, LANDSCAPE, AND MECHANICAL PIPING PLANS PRIOR TO INSTALLATION.
- ALL UNDERGROUND PIPE LENGTHS INDICATED ON PLANS REFLECT TOTAL PIPE LENGTH (CENTER TO CENTER) WITH NO TAKEOUT FOR FITTINGS.
- ALL APPLICABLE UNDERGROUND FIRE SERVICE PIPING SHALL BE MANUFACTURED IN ACCORDANCE WITH NFPA 24 TABLE 24.10.1.1.1 AND SHALL BE EQUIPPED WITH A SUITABLE MAGNETIC LOCATION TAPE INSTALLED APPROPRIATELY TO THE TOP OF THE PIPING.

APPLICABLE SPECIFICATIONS

1. THE CONTRACTOR IS RESPONSIBLE TO ADHERE TO ALL APPLICABLE SPECIFICATIONS PERTINENT TO THE PROJECT, INCLUDING:

CITY OF CORCORAN STANDARDS AND SPECIFICATIONS DIVISION OF THE STATE ARCHITECT INFORMATION BULLETINS, INTERPRETATIONS AND ADDENDA.



COUNTY Б **Q** : \overline{O} S \square Шζ ORAN Ŭ s COR(**ZO**

F1

1751

Exp. 6-30-24

ENGINEERING GROUP

21173

7084 N. Maple Ave., Suite 101

(559) 431-0101

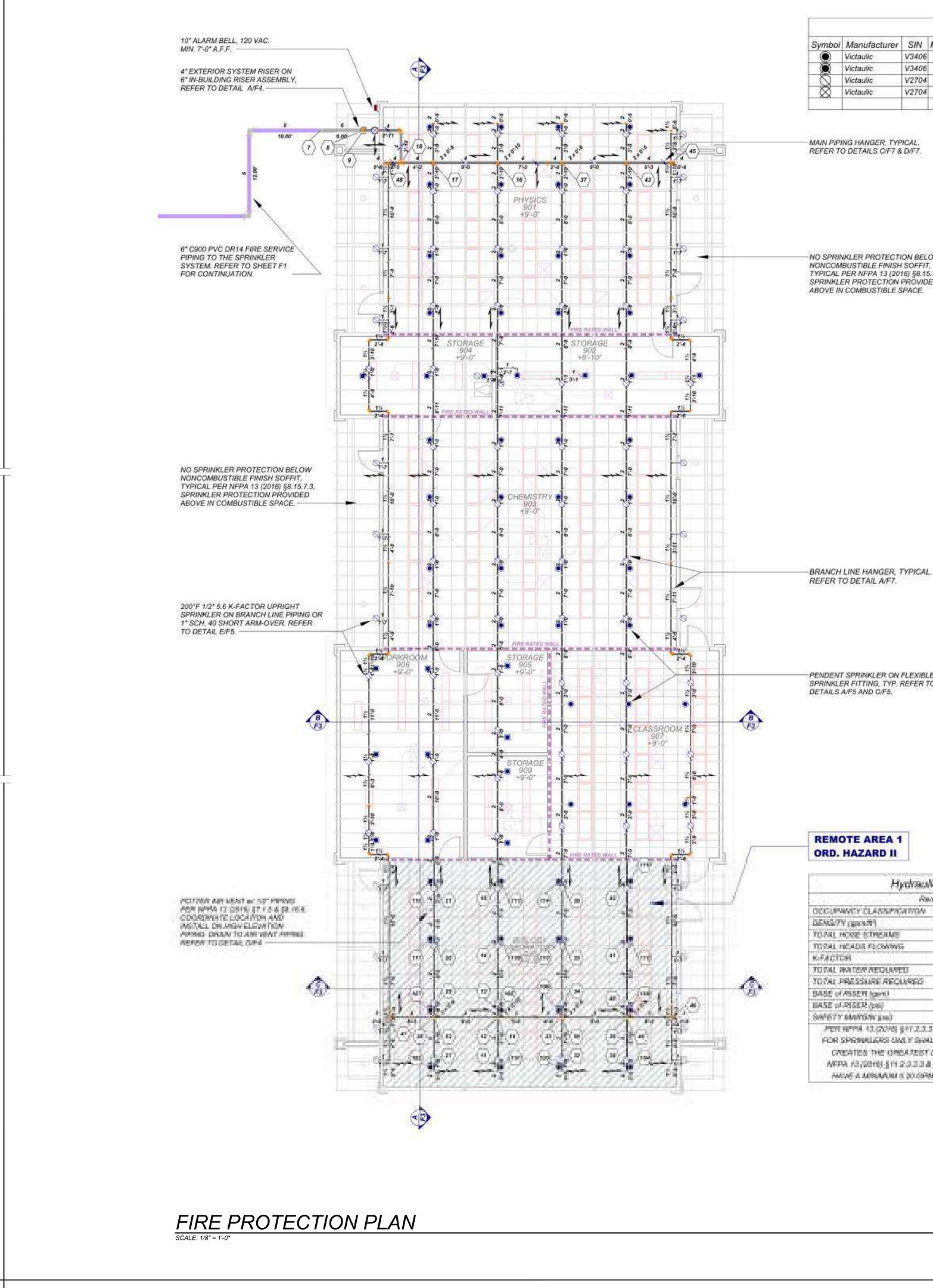
Fresno, CA 93720

FAX (559) 431-1362

APPROVALS

APPLICATION # 02-120394

FILE # 16-H1



-	Sprinkler Legend										
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note
۲	Victaulic	V3406	V34	54	8	Pendent	3/4	Quick	Chrome	155°F	
	Victaulic	V3406	V34	17	8	Pendent	3%	Quick	Chrome	155°F	401-STYLE ESCUTCHEON
Q	Victaulic	V2704	V27	95	5.6	Upright	1%	Quick	Brass	200°F	
×	Victaulic	V2704	V27	1	5.6	Upright	1/2	Quick	Brass	200°F	ON 1* SPRIG-UP
	Contracting and the			Total = 167							Contract of the William Contract

REFER TO DETAILS C/F7 & D/F7.

-NO SPRINKLER PROTECTION BELOW NONCOMBUSTIBLE FINISH SOFFIT, TYPICAL PER NFPA 13 (2016) §8.15.7.3, SPRINKLER PROTECTION PROVIDED

-PENDENT SPRINKLER ON FLEXIBLE SPRINKLER FITTING, TYP. REFER TO

REMOTE AREA 1

Hydraul	ic Information
Re	nan Ann t
DECUPANEY CLASSIFICATION	Ordinary Group II
DENG/TV (gest#1	0.20 Kir (286.808*)Adam (299.804%)
TURAL HOSE STREAMS	299.99
TOTAL HEADS FLOMING	16
K-FACTOR	Received and
TOTAL WATER REQUIRED	638.37
TOTAL PRESSURE REQUIRED	25.438
BASE of ASSERIngent	-3(6.37
BASE pARISER (pa)	27 508
SHPETY MARGREEN	+7.575 (17.4%)
FOR SPRINLLERS OWLY SHOU CREATES THE UMEATEST AFRA AD (SCHOL) \$11 2 3 3 3 8	17. WATER SUPPLY RESOMEMENTS LL BE BASED UPON THE ROOM THAT SEMAND. THE ROOM SHALL MEET §71 2.3.3.5(2) REQUIPEMENTS AND RFTP DENSITY WITHIN THE ROOM.

SPRINKLER SYSTEM NOTES SYSTEM DESIGN: 1. SYSTEM SHALL BE DESIGNED TO CONFORM WITH NFPA 13 (2016), CFC/CBC (2019), DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES, CITY OF CORCORAI

- AND KINGS COUNTY FIRE DEPARTMENT. 2. SYSTEM TO BE AN AUTOMATIC, WET TYPE SPRINKLER SYSTEM.
- 3. SPRINKLER DISCHARGE DENSITY FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH NFPA 13 (2016) §11.2.1.2.4 WITH DENSITY CURVES IN ACCORDANCE WITH FIGURE 11.2.3.1.1.
- 3.A. LIGHT HAZARD OCCUPANCY SHALL INCLUDE ALL OFFICE, CORRIDOR, DINING, CONCEALED ATTIC SPACES, RESTROOMS, AND SIMILAR AREAS. LIGHT HAZARD OCCUPANCY SHALL HAVE A DESIGN DENSITY OF 0.10 GPM/FT² OVER A MINIMUM REMOTE AREA OF 1500 FT².
- 3.B. ORDINARY HAZARD GROUP I (OH1) SHALL FOOD SERVICE AREAS AND SIMILAR AREAS. OH1 OCCUPANCY SHALL HAVE A DENSITY OF 0.15GPM/FT² OVER A MINIMUM REMOTE AREA OF 1500 FT².
- 3.C. ORDINARY HAZARD GROUP II (OH2) SHALL INCLUDE AUTOMOTIVE WORKSHOP AREAS, STORAGE ROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, AND SIMILAR AREAS. OH2 OCCUPANCY SHALL HAVE A DESIGN DENSITY OF 0.20GPM/FT² OVER A MINIMUM REMOTE AREA OF 1500 FT².
- 4. POINT OF SERVICE SHALL BE AT THE 8" SUPPLY MAIN AS SHOWN.
- 5. PER NFPA 13 (2016) §8.6.4.1.2(1) UPRIGHT SPRINKLER DEFLECTORS SHALL BE INSTALLED WITHIN THE HORIZONTAL PLANES OF 1" TO 6" BELOW THE STRUCTURAL MEMBERS AND A MAXIMUM OF 22" BELOW THE CEILING/ROOF DECK.
- 6. PER NFPA 13 (2016) §9.3.6.5 BRANCH LINE RESTRAINT SHALL NOT BE REQUIRED WHERE BRANCH LINES ARE SUPPORTED BY RODS LESS THAN 6" IN LENGTH WHEN MEASURED BETWEEN THE TOP OF THE PIPE TO THE POINT OF ATTACHMENT TO THE BUILDING STRUCTURE.
- 7. FIRE SPRINKLER ALARM SYSTEM SHALL BE DESIGNED, INSTALLED AND PERMITTED BY OTHERS, AND IS NOT IN THE SCOPE OF WORK. FLOW DETECTOR AND TAMPER RESISTANT VALVES WILL BE SUPPLIED AND INSTALLED BY FIRE SPRINKLER CONTRACTOR AND WIRED BY ALARM CONTRACTOR.
- 8. SPRINKLER SYSTEM SHALL BE SINGLE ZONE (SEE RISER DETAIL)
- 9. FIRE SPRINKLER PIPING SHALL BE AS FOLLOWS (UNLESS NOTED OTHERWISE ON PLANS): 9.A. PIPING 2-1/2" AND LARGER SHALL BE SCH.10 BLACK
- STEEL WITH ROLLED FITTINGS, RISER TO BE SCH.10 GALVANIZED STEEL PIPE. 9.B. PIPING 2" AND LESS SHALL BE SCH.40 BLACK STEEL.
- 10. ALL HANGERS, BRACES, AND RESTRAINTS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 (2016), CBC/CFC (2019), DIVISION OF THE STATE ARCHITECT - DEPARTMENT OF GENERAL SERVICES, CITY OF CORCORAN FIRE REQUIREMENTS.
- 11. PROVIDE CAGE-TYPE SPRINKLER HEAD GUARDS TO ALL SPRINKLERS, TO MINIMIZE CHANCE OF MECHANICAL DAMAGE TO SPRINKLER HEADS WHEN APPLICABLE.
- 12. IF DESIGN OR MATERIALS DIFFER FROM THAT SPECIFIED HEREIN, SUPPLEMENTAL ENGINEERING DESIGN, SUBMITTAL, AND REVIEW SHALL BE REQUIRED.
- 13. MICROBIAL INDUCED CORROSION WILL NOT BE A FACTOR FOR THIS SYSTEM.
- 14. ACCEPTANCE TEST IN ACCORDANCE WITH NFPA 13 (2016), CBC/CFC (2019), DIVISION OF THE STATE ARCHITECT -GENERAL SERVICES DEPARTMENT, CITY OF CORCORAN. AND CITY OF CORCORAN FIRE DEPARTMENT REQUIREMENTS.
- 15. HYDRAULIC CALCULATIONS SHALL BE TO THE STREET CONNECTION, ACCORDING TO LOCAL FIRE PREVENTION DISTRICT WATER CURVE DETERMINATIONS AND OR TESTING PROCEDURES.

SPRINKLER LEGEND				
SYMBOL	DESCRIPTION			
1	LATERAL SEISMIC BRACE (PERPENDICULAR)			
~>	LONGITUDINAL SEISMIC BRACE (PARALLEL)			
+	4-WAY SEISMIC BRACE (PARALLEL/PERPENDICULAR)			
ł	LINE RESTRAINT			
/	PIPE HANGERS			
	PENDENT SPRINKLER ON 1" DROP			
	UPRIGHT SPRINKLER ON BRANCH LINE			
Ω	SEISMIC SEPARATION ASSEMBLY			
\bigcirc	HYDRAULIC NODE			
	FIRE PIPING			
	EXISTING FIRE PIPING			



APPROVALS FILE # 16-H1 APPLICATION #

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

REVIEWED FOR

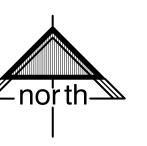
SS 🖌 FLS 🖌 ACS 🖌

DATE: _____AUGUST 24, 2022

APP: 02-120394 INC:

DATE: 05/01/2023

02-120394





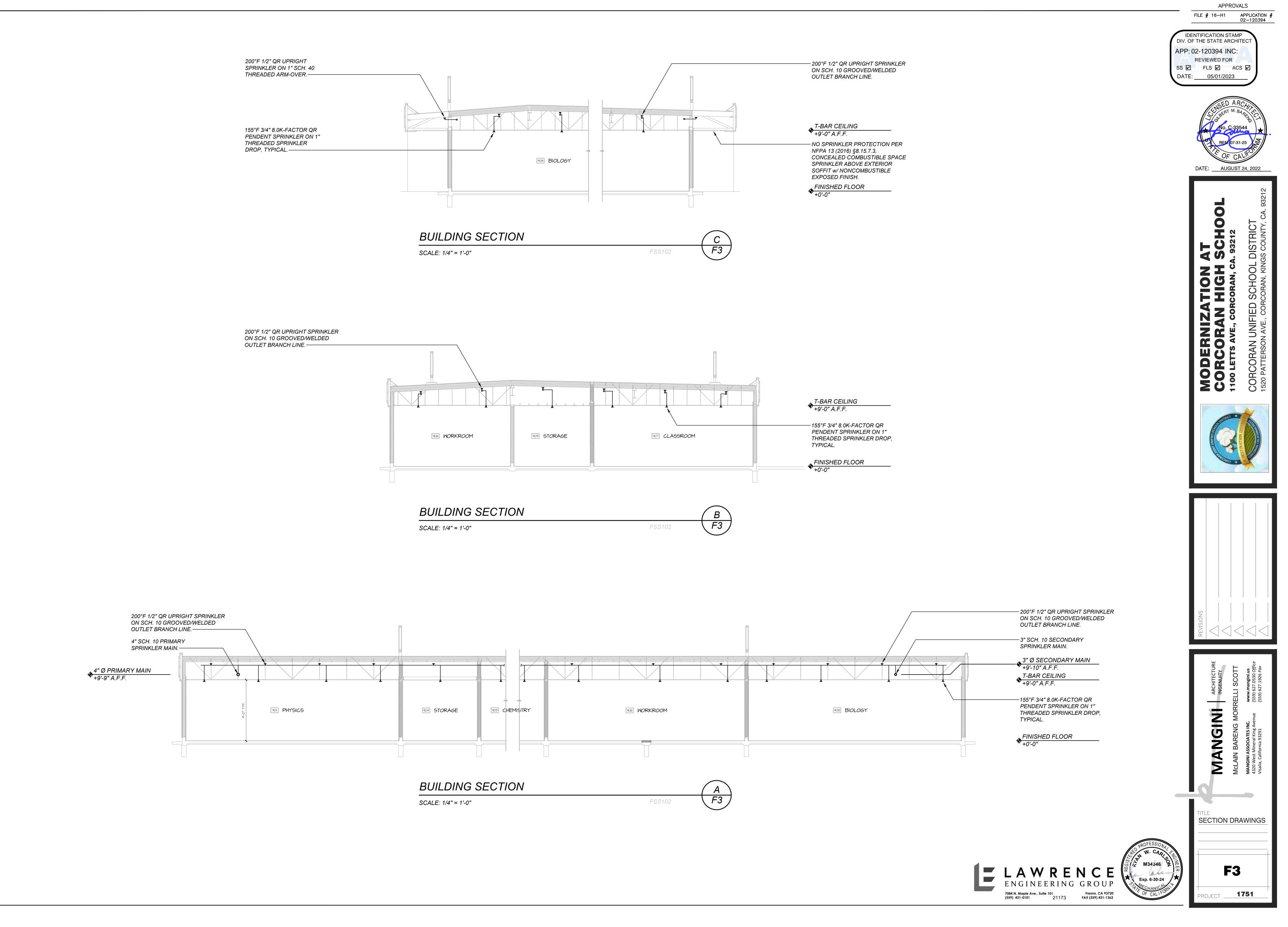


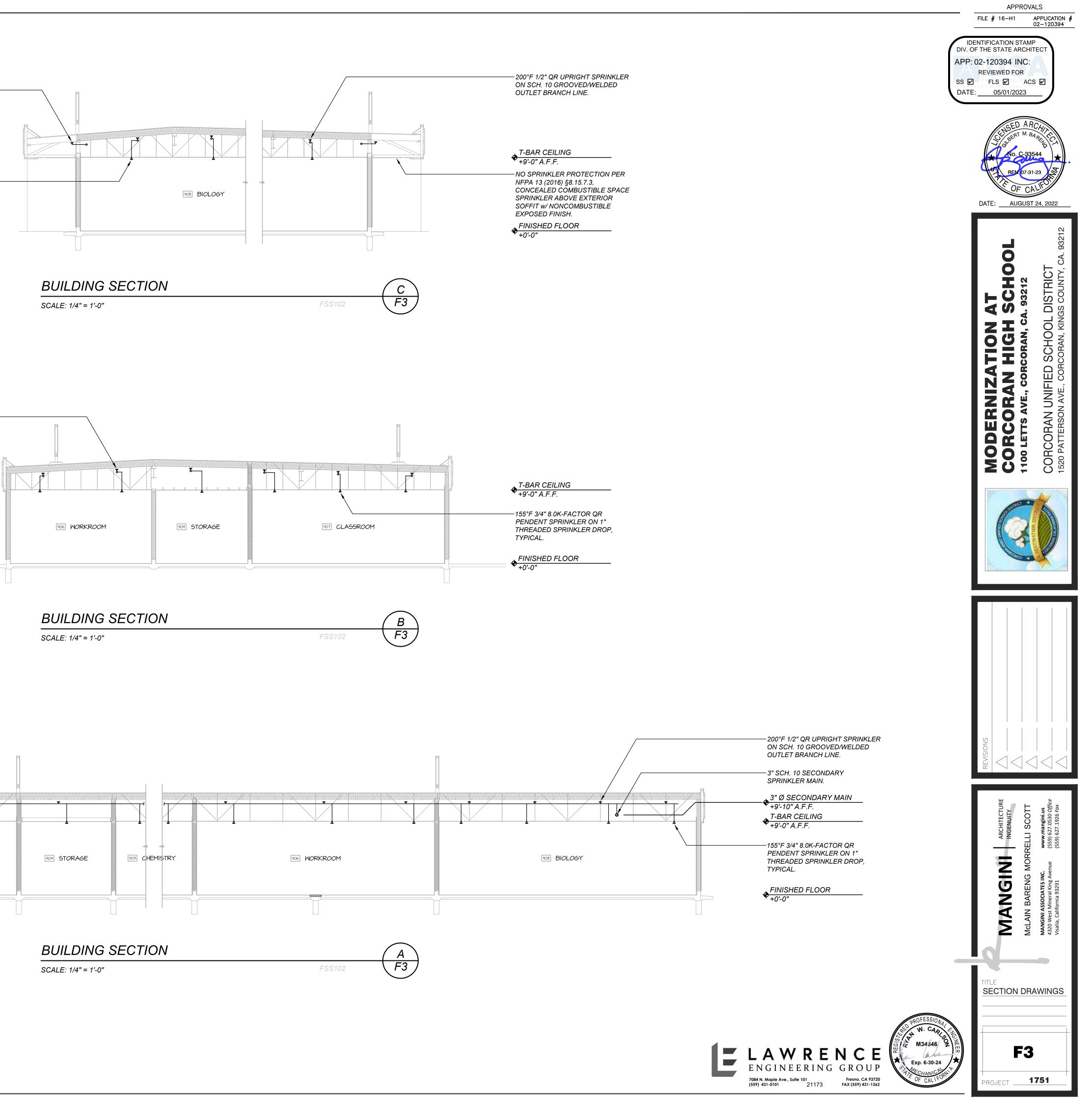
BLDG. 900 FIRE PROTECTION PLAN

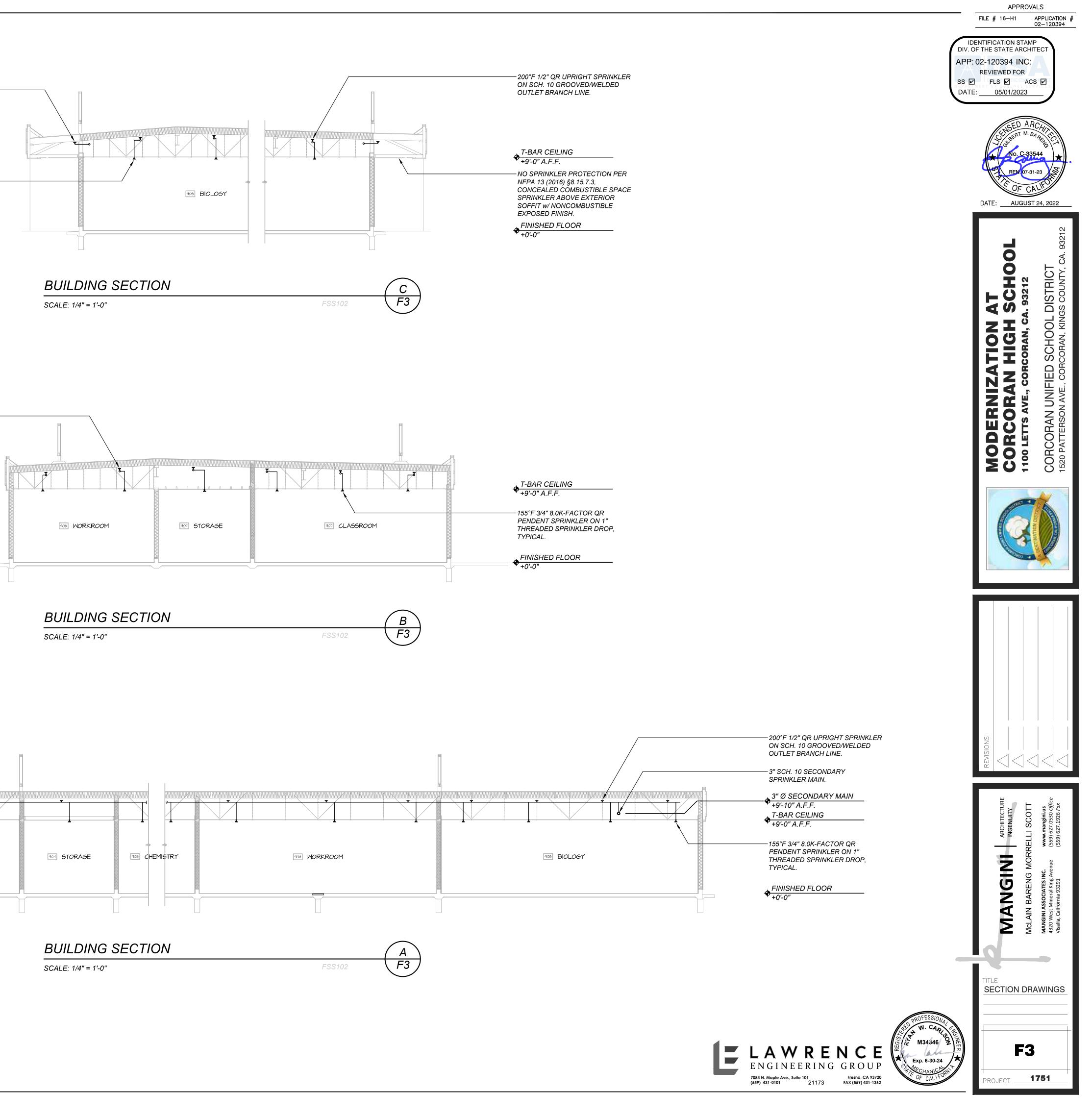
F2

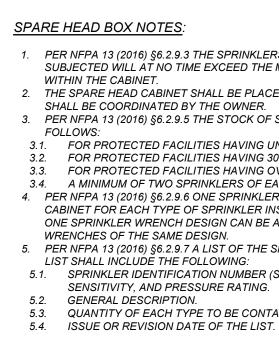
ROJECT

1751









SCALE: NONE

1" SCH. 40 PIPE, FROM OVERHEAD SPRINKLER PIPING, TYPICAL.

WALL PIPE ESCUTCHEON, NOT REQUIRED IN CONCEALED AREAS.-

1" THREADED BALL VALVE (AS SHOWN) OR GLOBE VALVE w/AUXILIARY DRAIN SIGN.-

PANEL w/AUX. DRAIN SIGN.-

1" SCH. 40 GALVANIZED PIPE w/GALV. FITTINGS BELOW VALVE.-



SCALE: NONE

POTTER AIR VENT w/ 1/2" DISCHARGE, AIR VENT SHALL BE HIGHEST POINT ON SPRINKLER SYSTEM-

1/2" BALL VALVE (NORMAL OPEN)-

MIN. 1/2"x 6" THREADED NIPPLE, TYP.-

HIGHEST ELEVATED BRANCH LINE -

1/2" THREADED STRAINER-



SPAR	PROVIDE MIN. 6 SPARE SPRINKLERS FOR THIS BUILDING.							

1. PER NFPA 13 (2016) §6.2.9.3 THE SPRINKLERS SHALL BE KEPT IN A CABINET LOCATED WHERE THE TEMPERATURE TO WHICH THEY ARE SUBJECTED WILL AT NO TIME EXCEED THE MAXIMUM CEILING TEMPERATURES SPECIFIED IN TABLE 6.2.5.1 FOR EACH OF THE SPRINKLERS

2. THE SPARE HEAD CABINET SHALL BE PLACED IN A SECURE LOCATION, PREFERABLY FASTENED TO A WALL ABOVE 6'-0" A.F.F. LOCATION SHALL BE COORDINATED BY THE OWNER. 3. PER NFPA 13 (2016) §6.2.9.5 THE STOCK OF SPARE SPRINKLERS SHALL INCLUDE ALL TYPES AND RATINGS INSTALLED AND SHALL BE AS

FOR PROTECTED FACILITIES HAVING UNDER 300 SPRINKLERS — NO FEWER THAN SIX SPRINKLERS. FOR PROTECTED FACILITIES HAVING 300 TO 1000 SPRINKLERS - NO FEWER THAN 12 SPRINKLERS.

3.3. FOR PROTECTED FACILITIES HAVING OVER 1000 SPRINKLERS — NO FEWER THAN 24 SPRINKLERS. 3.4. A MINIMUM OF TWO SPRINKLERS OF EACH TYPE AND TEMPERATURE RATING SHOULD BE PROVIDED.

4. PER NFPA 13 (2016) §6.2.9.6 ONE SPRINKLER WRENCH AS SPECIFIED BY THE SPRINKLER MANUFACTURER SHALL BE PROVIDED IN THE CABINET FOR EACH TYPE OF SPRINKLER INSTALLED TO BE USED FOR THE REMOVAL AND INSTALLATION OF SPRINKLERS IN THE SYSTEM. ONE SPRINKLER WRENCH DESIGN CAN BE APPROPRIATE FOR MANY TYPES OF SPRINKLERS AND SHOULD NOT REQUIRE MULTIPLE WRENCHES OF THE SAME DESIGN. 5. PER NFPA 13 (2016) §6.2.9.7 A LIST OF THE SPRINKLERS INSTALLED IN THE PROPERTY SHALL BE POSTED IN THE SPRINKLER CABINET. THE

LIST SHALL INCLUDE THE FOLLOWING: 5.1. SPRINKLER IDENTIFICATION NUMBER (SIN) IF EQUIPPED; ORTHE MANUFACTURER, MODEL, ORIFICE, DEFLECTOR TYPE, THERMAL SENSITIVITY. AND PRESSURE RATING.

В

F4

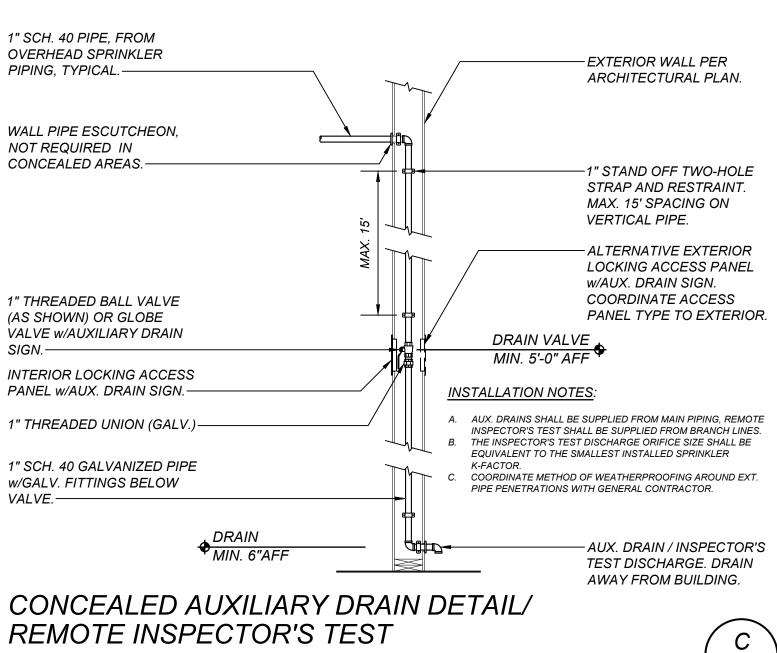
F4

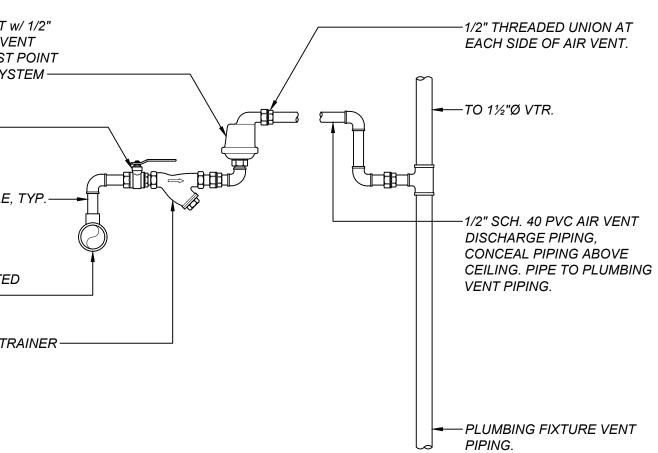
FRM010

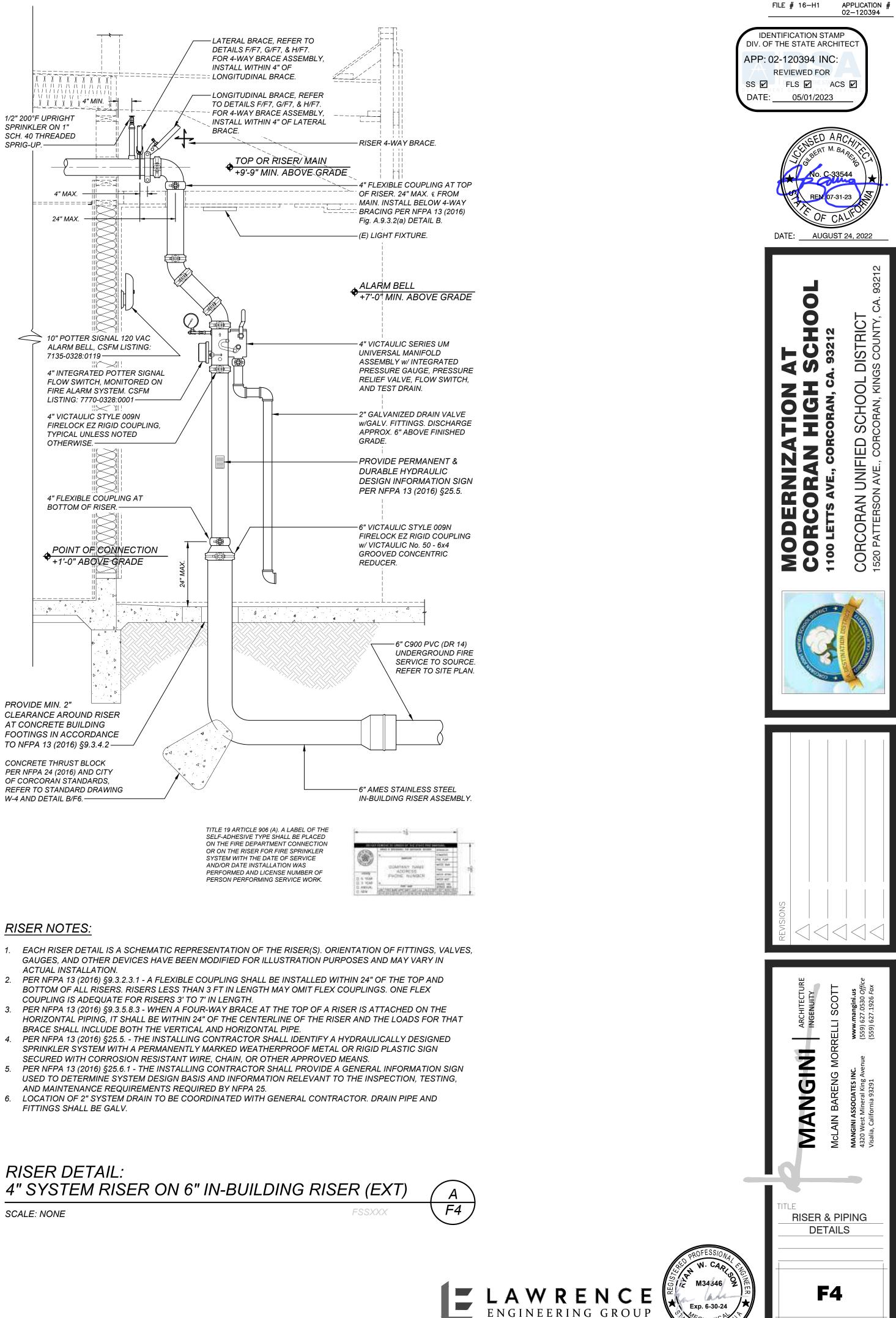
FRM010

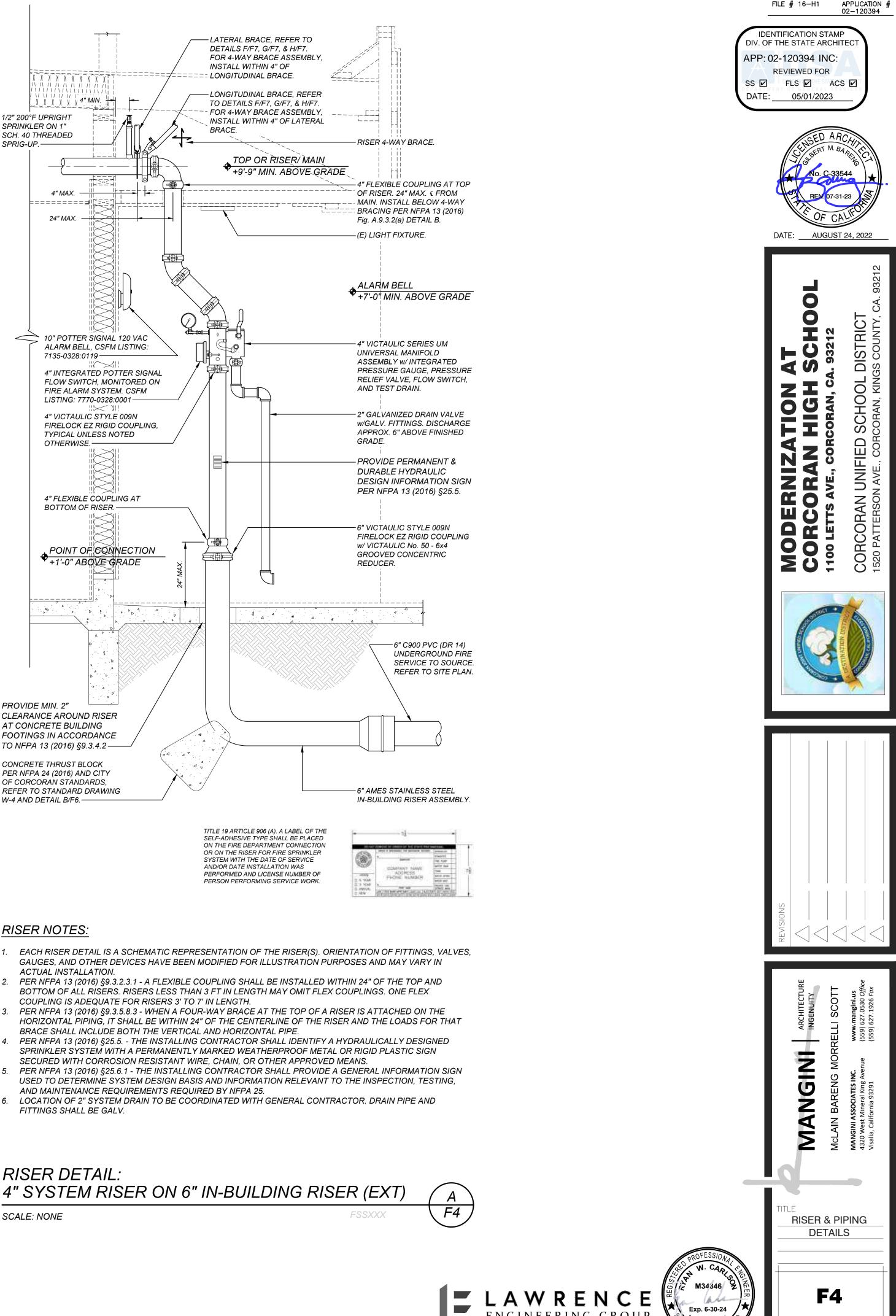
5.3. QUANTITY OF EACH TYPE TO BE CONTAINED IN THE CABINET.

SPARE HEAD BOX DETAIL









7084 N. Maple Ave., Suite 101

(559) 431-0101

21173

Fresno, CA 93720

FAX (559) 431-1362

APPROVALS

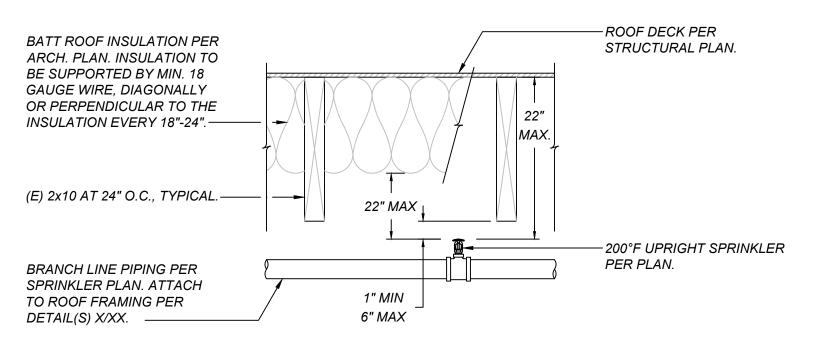
1751

POTTER AIR VENT

FSSXXX

D

F4

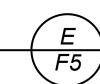


INSTALLATION NOTES

- A. INSTALLATION OF SPRINKLER HEAD SHALL BE IN ACCORDANCE TO NFPA 13 (2016) §8.6.4.1.2(1): OBSTRUCTED CONSTRUCTION, IN WHICH SPRINKLER DEFLECTORS SHALL BE A MINIMUM 1" TO A MAXIMUM 6" FROM THE HORIZONTAL PLANE BELOW STRUCTURAL MEMBERS AND A MAXIMUM 22" BELOW THE CEILING/ROOF DECK. B. PER NFPA 13 (2016) §8.5.4.1.3, WHEN INSULATION IS INSTALLED DIRECTLY AGAINST UNDERSIDE OF THE
- CEILING OR ROOF STRUCTURE, THE DEFLECTOR DISTANCE SHALL BE MEASURED FROM THE BOTTOM OF THE INSULATION. INSTALLATION OF THE INSULATION SHALL COMPLY WITH NFPA 13 §8.5.4.1.3.1 & 8.5.4.1.3.2. C. PER NFPA 13 (2016) §8.3.1.3 UPRIGHT SPRINKLERS FRAME ARMS SHALL BE INSTALLED PARALLEL TO THE
- BRANCH LINE AND §8.5.4.2, SPRINKLER DEFLECTORS SHALL BE ALIGNED PARALLEL TO CEILINGS AND ROOFS.

UPRIGHT SPRINKLER & BRANCH LINE INSTALLATION AT 2x ROOF FRAMING

SCALE: NONE



FSSXXX

- 1. WALL ASSEMBLY THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
- A. STUDS WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOMINAL 2"x4" LUMBER SPACED 16" OC. STEEL STUDS TO BE MIN. 2-1/2" WIDE AND SPACED MAX. 24" OC. WHEN STEEL STUDS ARE USED AND THE DIAMETER OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4"-6" WIDER AND 4"-6" HIGHER THAN THE DIAMETER OF THE PENETRATING ITEM SUCH THAT. WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING. A 2"-3" CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES
- B. GYPSUM BOARD* 5/8" THICK, 4' WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS. NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAMETER OF OPENING IS 32-1/4" FOR STEEL STUD WALLS. MAX. DIAMETER OF OPENING IS 14-1/2" FOR WOOD STUD WALLS. THE F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY
- 2. THROUGH-PENETRANTS ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN. 0" TO MAX 2-1/4" PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45° FROM PERPENDICULAR. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
- A. STEEL PIPE NOMINAL 30"Ø (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
- B. IRON PIPE NOMINAL 30"Ø (OR SMALLER) CAST OR DUCTILE IRON PIPE. C. CONDUIT - NOMINAL 4"Ø (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. DIAMETER STEEL
- CONDUIT. D. COPPER TUBING - NOMINAL 6"Ø (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
- E. COPPER PIPE NOMINAL 6"Ø (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
- 3. FILL, VOID OR CAVITY MATERIAL HILTI FS-ONE SEALANT MIN. 5/8" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN. 1/2"Ø BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL.

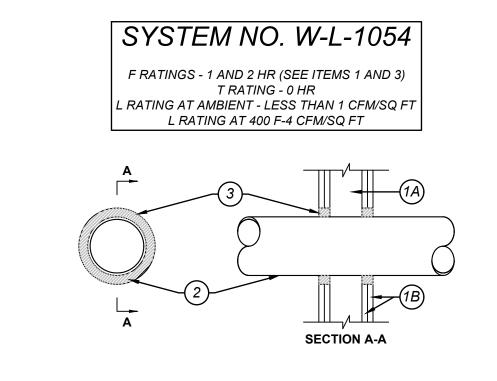
PIPE CLEARANCE NOTES

SCALE: NONE

PER NFPA 13 (2016) 9.3.4.1 - CLEARANCE SHALL BE PROVIDED AROUND ALL PIPING EXTENDING THROUGH WALLS, FLOORS, PLATFORMS, AND FOUNDATIONS, INCLUDING DRAINS, FIRE DEPARTMENT CONNECTIONS, AND OTHER AUXILIARY PIPING.

PER NFPA 13 (2016) 9.3.4.2 - WHERE PIPE PASSES THROUGH HOLES IN PLATFORMS, FOUNDATIONS, WALLS, OR FLOORS, THE HOLES SHALL BE SIZED SUCH THAT THE DIAMETER OF THE HOLES IS NOMINALLY 2" LARGER THAN THE PIPE FOR PIPE 1" NOMINAL TO 3-1/2" NOMINAL AND 4" LARGER THAN THE PIPE FOR PIPE 4" NOMINAL AND LARGER.

PER NFPA 13 (2016) 9.3.4.4 - NO CLEARANCE SHALL BE REQ'D FOR PIPING PASSING THROUGH GYPSUM BOARD OR EQUALLY FRANGIBLE CONSTRUCTION THAT IS NOT REQ'D TO HAVE A FIRE RESISTANCE RATING.

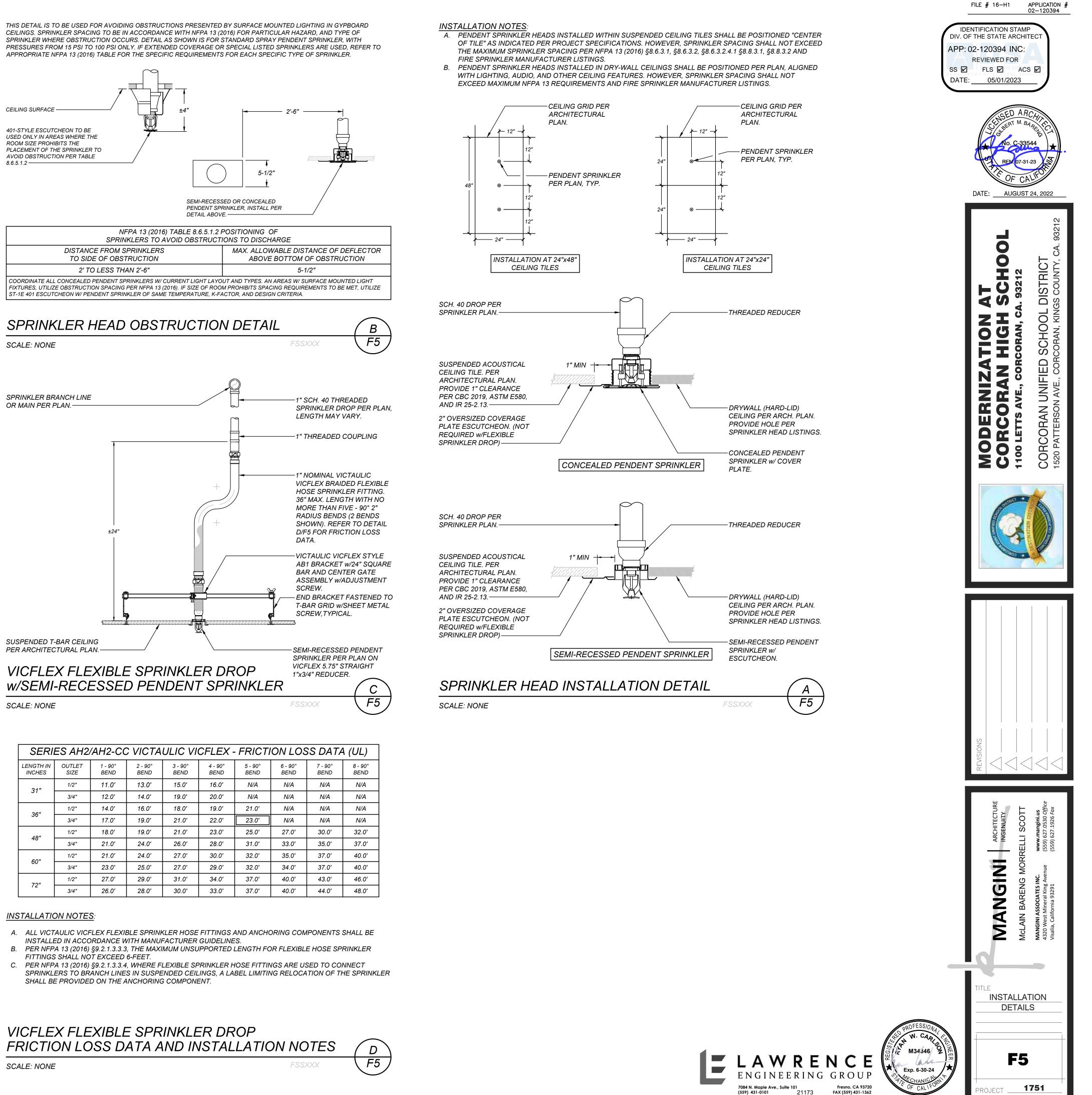


HILTI FS-ONE FIRE RATED PENETRATION



F

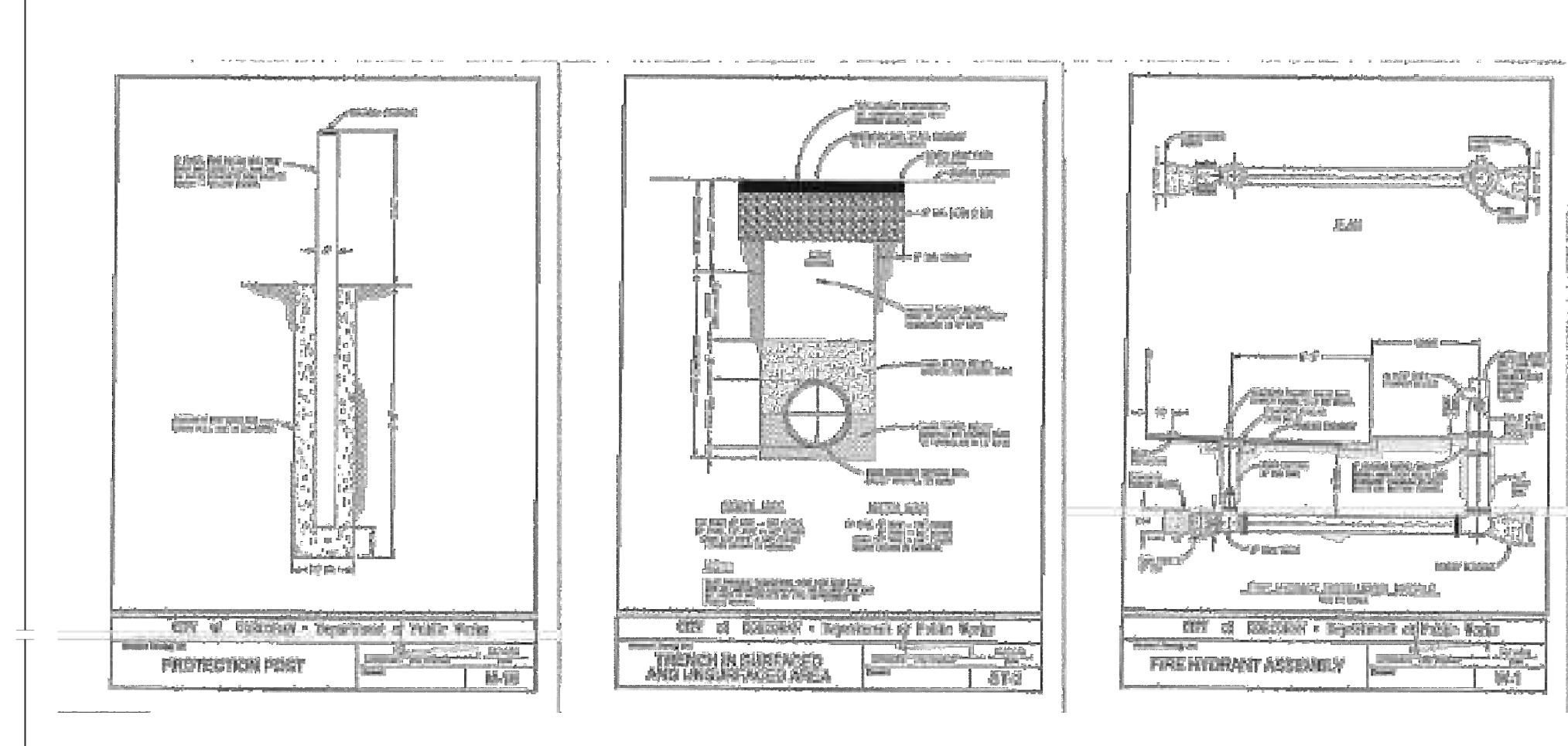
F5

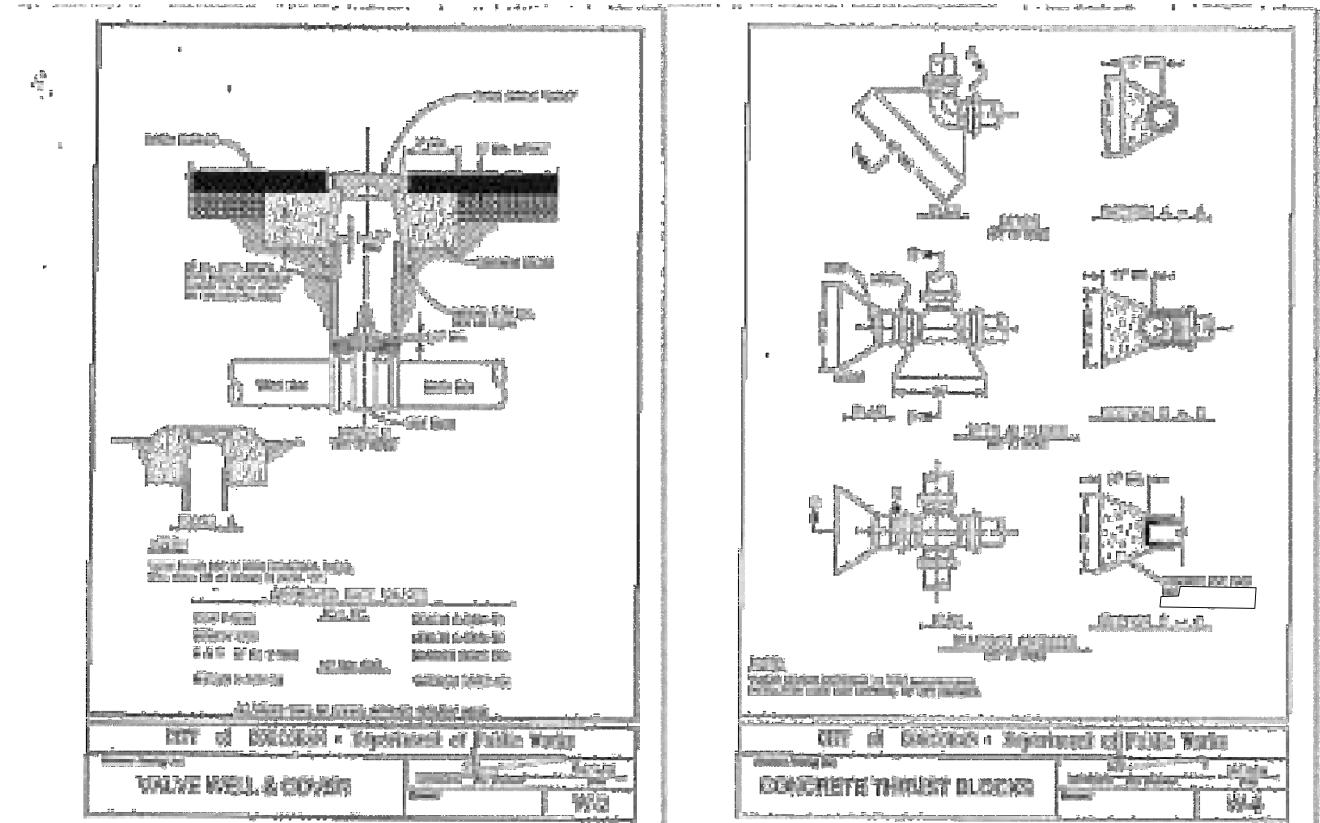


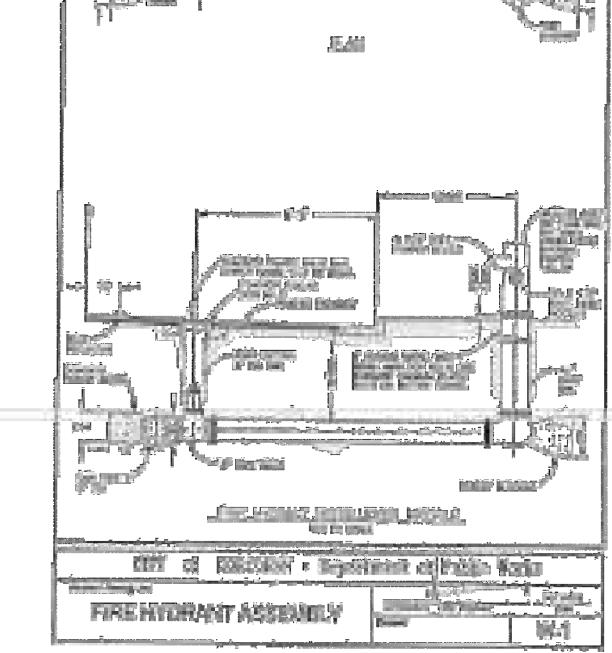
APPROVALS

SERI	SERIES AH2/AH2-CC VICTAULIC VICFLEX - FRICTION LOSS DATA (UL)									
LENGTH IN INCHES	OUTLET SIZE	1 - 90° BEND	2 - 90° BEND	3 - 90° BEND	4 - 90° BEND	5 - 90° BEND	6 - 90° BEND	7 - 90° BEND	8 - 90° BEND	
31"	1/2"	11.0'	13.0'	15.0'	16.0'	N/A	N/A	N/A	N/A	
37	3/4"	12.0'	14.0'	19.0'	20.0'	N/A	N/A	N/A	N/A	
36"	1/2"	14.0'	16.0'	18.0'	19.0'	21.0'	N/A	N/A	N/A	
30	3/4"	17.0'	19.0'	21.0'	22.0'	23.0'	N/A	N/A	N/A	
40"	1/2"	18.0'	19.0'	21.0'	23.0'	25.0'	27.0'	30.0'	32.0'	
48"	3/4"	21.0'	24.0'	26.0'	28.0'	31.0'	33.0'	35.0'	37.0'	
60"	1/2"	21.0'	24.0'	27.0'	30.0'	32.0'	35.0'	37.0'	40.0'	
60"	3/4"	23.0'	25.0'	27.0'	29.0'	32.0'	34.0'	37.0'	40.0'	
70"	1/2"	27.0'	29.0'	31.0'	34.0'	37.0'	40.0'	43.0'	46.0'	
72"	3/4"	26.0'	28.0'	30.0'	33.0'	37.0'	40.0'	44.0'	48.0'	

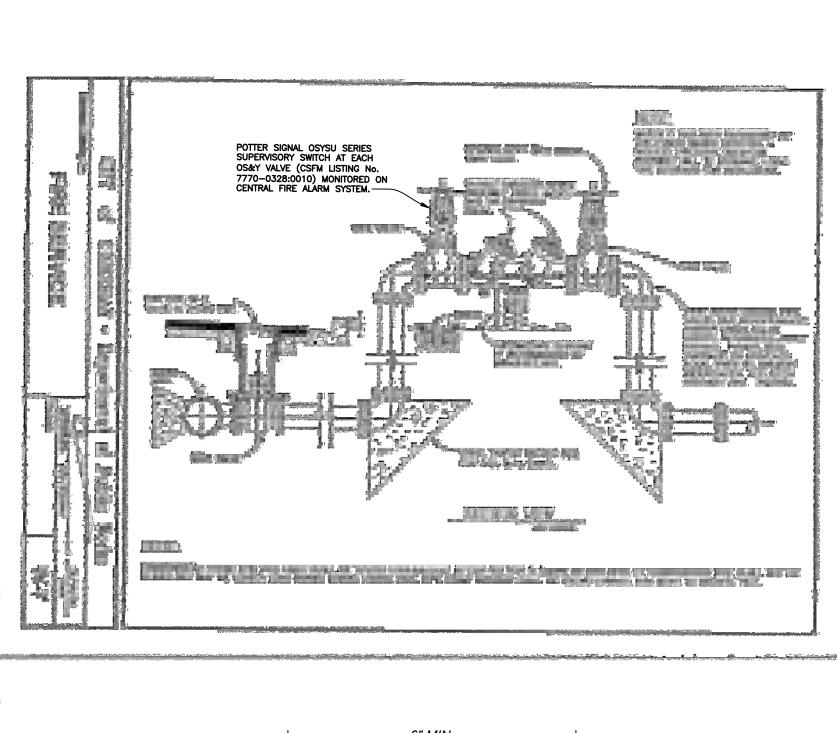








A DESCRIPTION OF THE OWNER OF THE

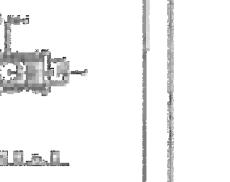


WEATHERPROOF METAL OR RIGID PLASTIC SIGN, ATTACHED WITH CORROSIVE RESISTANT WIRE OR CHAIN OR OTHER APPROVED METHOD. ----

MIN. 1" WHITE LETTERING HEIGHT w/MIN. 1/4" STROKE, ON RED BACKGROUND, TYPICAL. -

INSTALLATION NOTES:

SCALE: NONE



INSTALLATION NOTES:

- A. INSTALLATION OF UNDERGROUND FIRE SERVICE PIPING SHALL BE DONE IN ACCORDANCE TO NFPA 24 AND LOCAL STANDARD REQUIREMENTS. CONCRETE THRUST BLOCKS SHALL BE INSTALLED AT ALL ELBOWS, TEES, CROSSES, AND PLUGS.
- CONCRETE THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED EARTH. CONTACT WITH FITTINGS SHALL BE MADE ON THE BODY OF THE FITTING ONLY AND NOT ON THE BELL OR FLANGE
- ENDS. D. WHERE THRUST BLOCKING MAY BE IMPRACTICAL DUE TO SITE CONDITIONS, IMPLEMENTATION OF A RESTRAINED JOIST SYSTEM AS LISTED IN NFPA 24 §10.6.2 MAY BE USED IN LIEU OF CONCRETE THRUST BLOCKS.
- E. BACKFILL TRENCH PER DETAIL ST-2/F6.

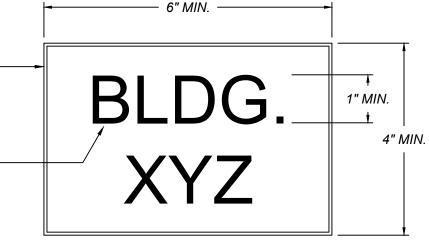
REQ	REQUIRED HORIZONTAL BEARING BLOCK AREA									
PIPE DIA.	TEE/PLUGS	90°-BEND	45°-BEND	22½°-BEND	11¼°-BEND					
3-INCH	2.6 ft²	2.6 ft²	1.4 ft²	0.7 ft²	0.4 ft²					
4-INCH	3.8 ft²	3.8 ft²	2.1 ft²	1.0 ft²	0.5 ft²					
6-INCH	7.9 ft²	7.9 ft²	4.3 ft²	2.2 ft²	1.1 ft²					
8-INCH	13.6 ft²	13.6 ft²	7.4 ft²	3.8 ft²	1.9 ft²					
10-INCH	20.5 ft²	20.5 ft²	11.1 ft²	5.7 ft²	2.8 ft²					
12-INCH	29.0 ft²	29 ft²	15.7 ft²	8.0 ft²	4.0 ft²					
14-INCH	39.0 ft²	39 ft²	21.1 ft²	10.8 ft²	5.4 ft²					
INFORMATION A	BOVE BASED ON I	NFPA 24 TABLE A.1	0.6.1(b) - MIN. HOR	IZONTAL BEARING	LOAD: 1500lb/ft ²					



SCALE: NONE

FSS101





A. PER NFPA 13 (2016) TABLE A.6.9 SPRINKLER SYSTEM SIGNAGE SUMMARY, SYSTEM CONTROL VALVES AND FIRE DEPARTMENT CONNECTIONS SHALL HAVE IDENTIFICATION SIGNAGE. IDENTIFICATION SIGNS SHALL BE INSTALLED AT A MINIMUM 18" ABOVE FINISH GRADE MEASURED FROM THE BOTTOM EDGE OF THE SIGN. B. PER NFPA 13 (2016) §8.16.1.1.8 IDENTIFICATION SIGNS ON CONTROL VALVES SHALL BE PROVIDED AT EACH VALVE TO INDICATE ITS FUNCTION AND WHAT IT CONTROLS.

C. PER NFPA 13 (2016) §8.17.2.4.7 (CFC 2019 §912.5) EACH FIRE DEPARTMENT CONNECTION TO SPRINKLER SYSTEMS SHALL BE DESIGNATED BY A SIGN HAVING RAISED OR ENGRAVED LETTERS AT LEAST 1-INCH IN HEIGHT ON PLATE OR FITTING READING SERVICE DESIGN.

D. WHEN SYSTEM DEMANDS ARE GREATER THAN 150PSI, THE SIGN SHALL INDICATE THE PRESSURE REQUIRED AT THE INLETS TO DELIVER THE GREATEST SYSTEM DEMAND.

E. WHERE LOCAL JURISDICTION REQUIRES ADDRESS OR BUILDING IDENTIFICATION ON POST INDICATOR VALVES AND/OR FIRE DEPARTMENT CONNECTIONS, IDENTIFICATION MARKING CAN BE PAINTED DIRECTLY ON THE APPARATUS IN LIEU OF SIGNAGE. VERIFY REQUIREMENT WITH LOCAL JURISDICTION REGARDING MINIMUM LETTERING HEIGHT AND PAINT COLOR REQUIREMENTS.

SITE APPARATUS SIGNAGE

FSS101





APPROVALS

APPLICATION #02-120394

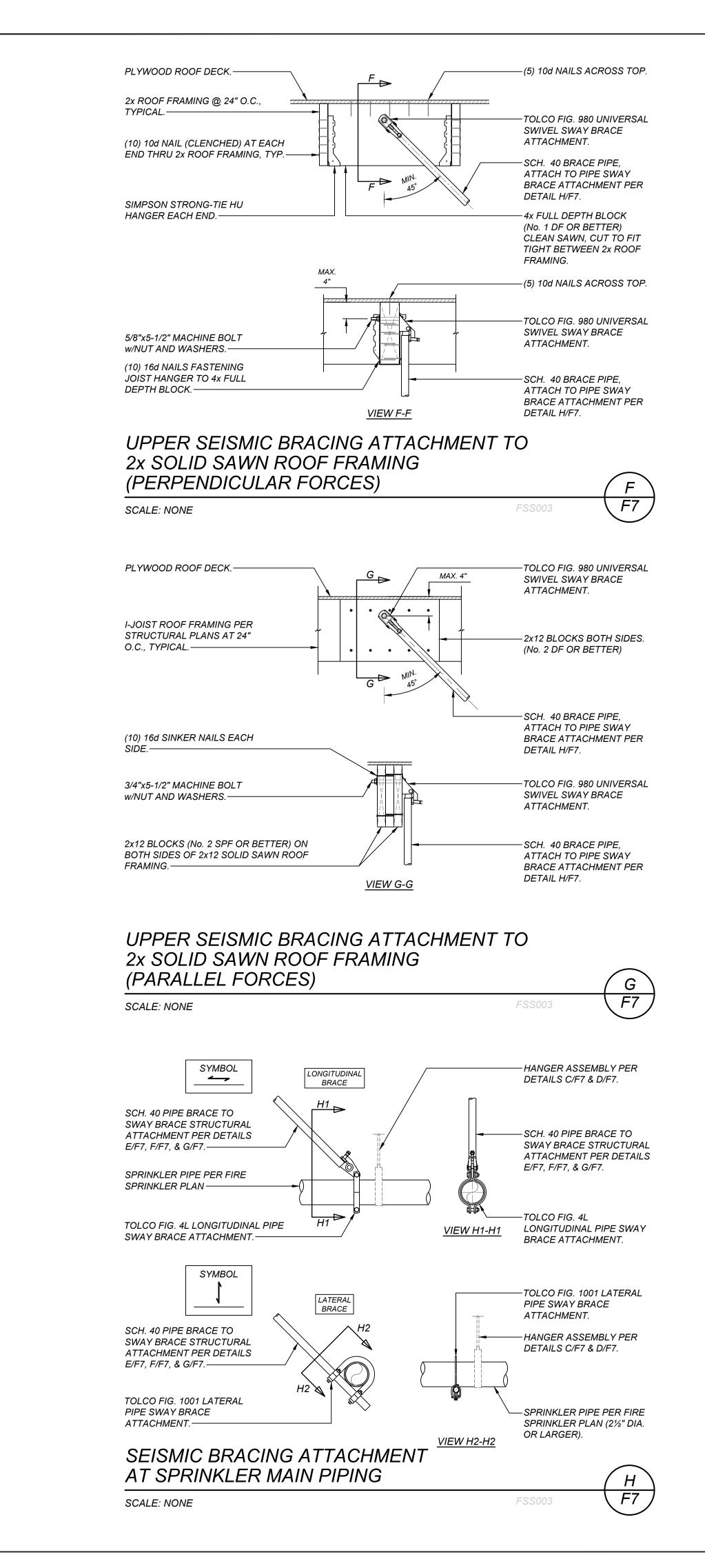
FILE # 16-H1

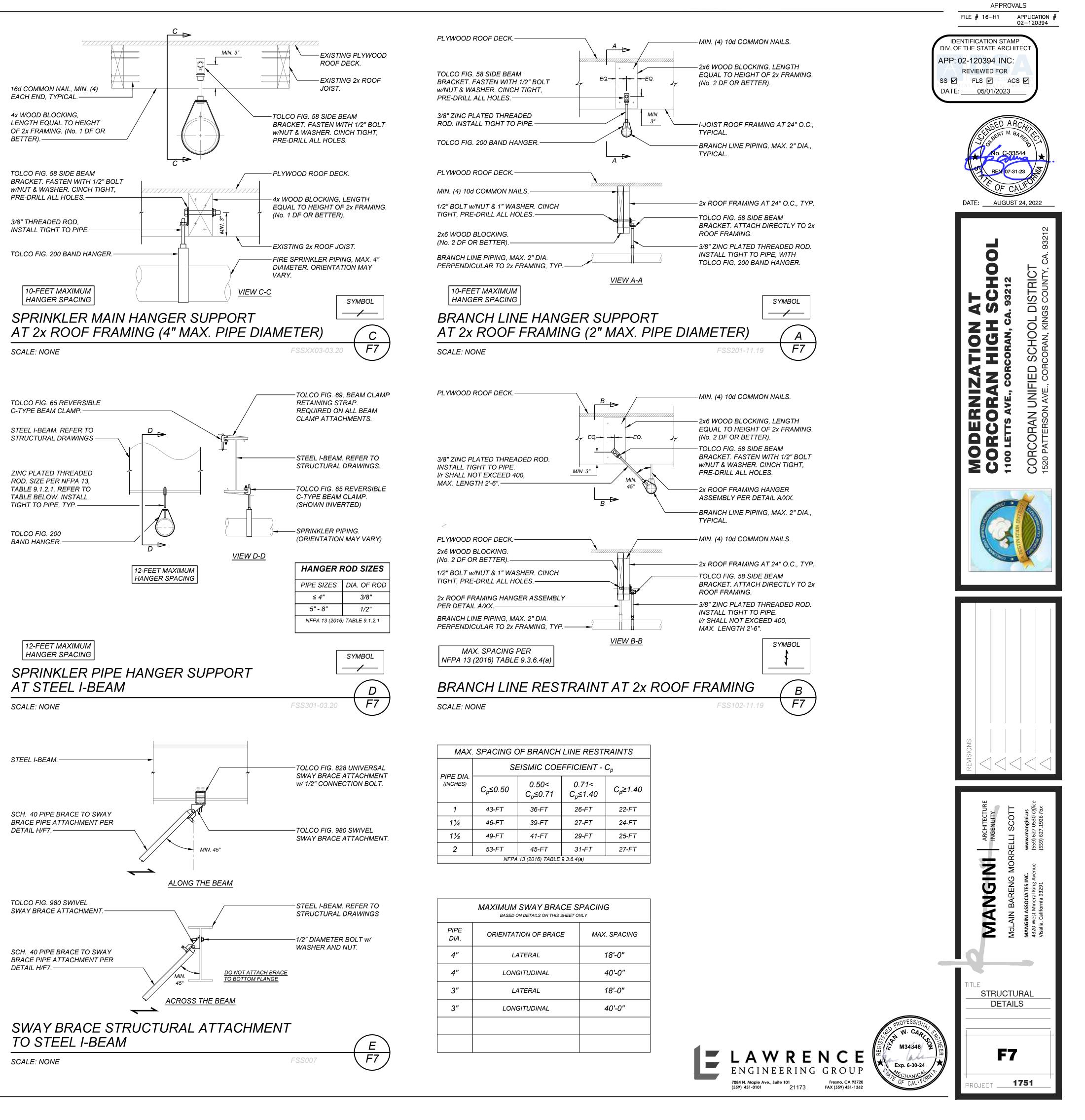


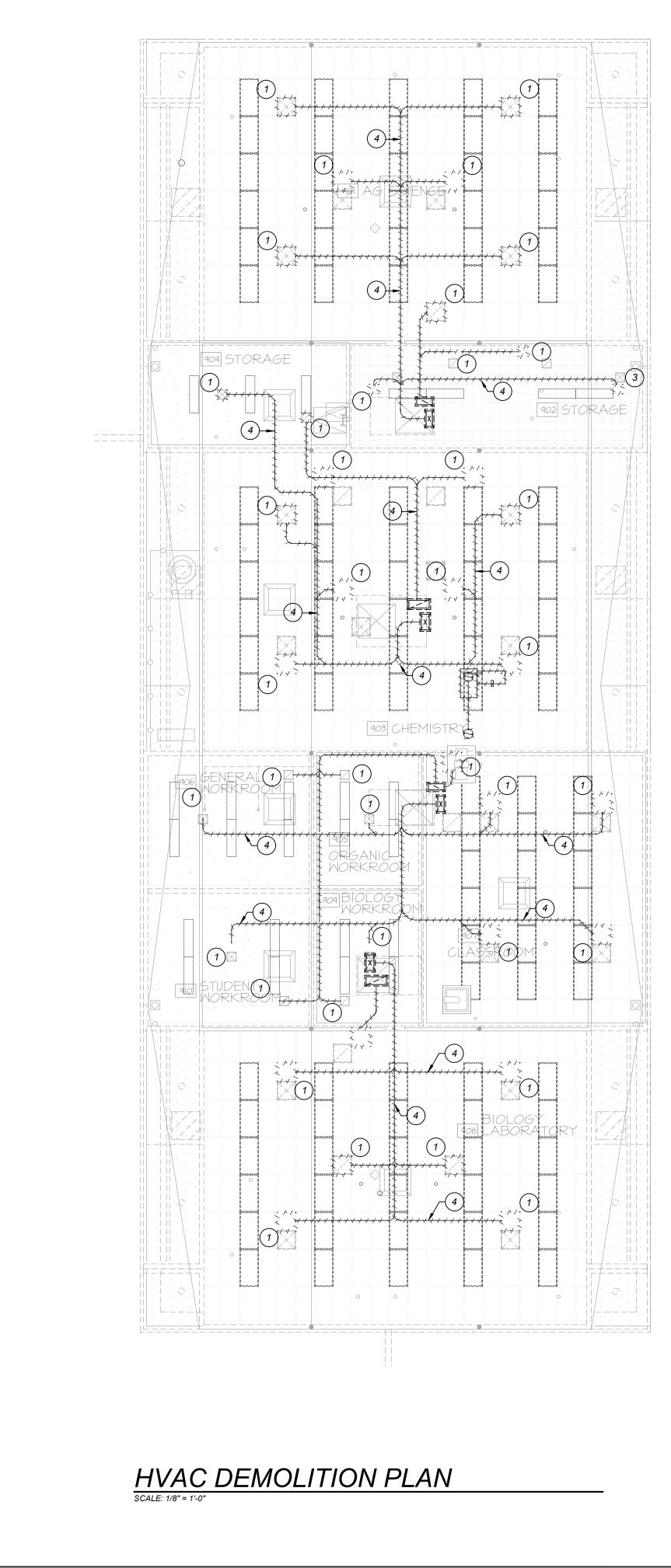


1751

ROJECT





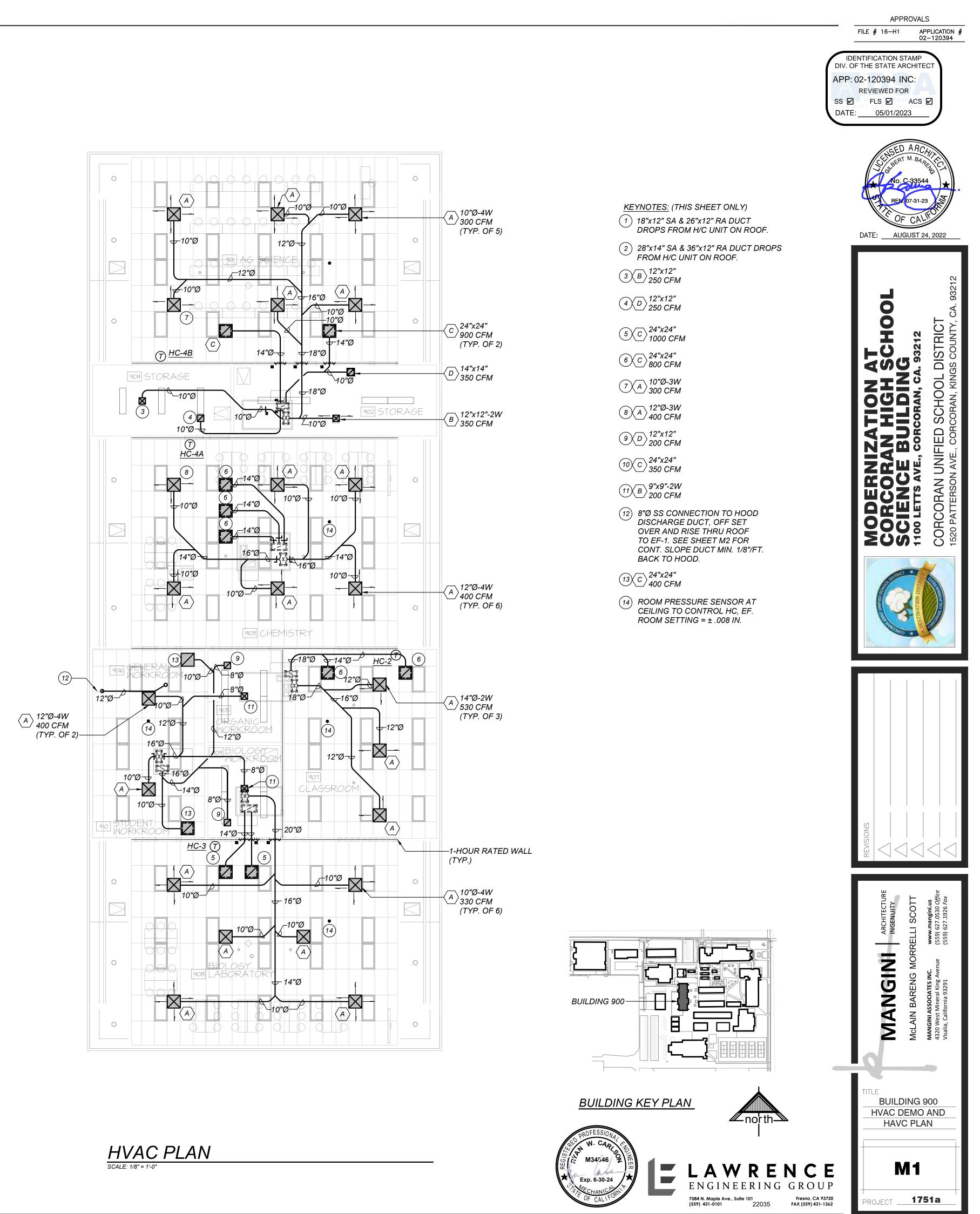


DEMO KEYNOTES: (THIS SHEET ONLY) 1 REMOVE (E) CEILING GRILLE & ASSOCIATED DUCTWORK.

2 NOT USED.

(3) REMOVE (E) WALL THERMOSTAT. FIELD VERIFY LOCATION.

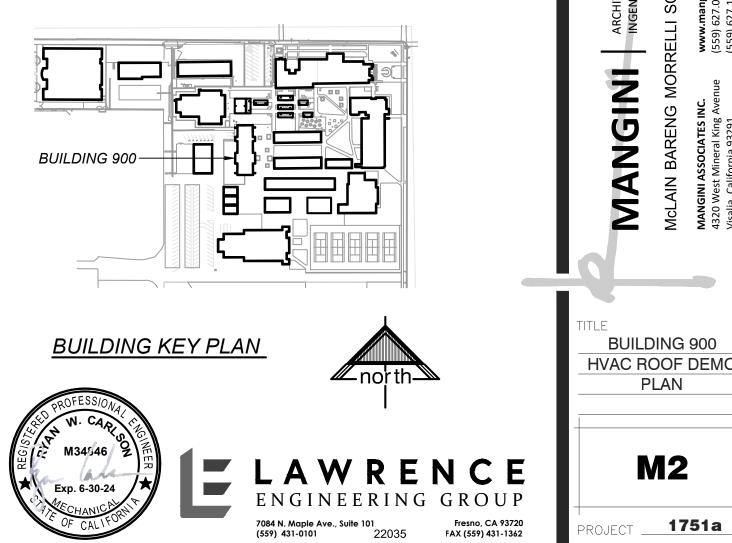
(4) REMOVE (E) DUCTWORK ABOVE CEILING AS INDICATED.







HEAT / COOL UNIT 3 ON ROOF w/NEW ROOF CURB AT (E) ROOF PENETRATIONS SEE DETAIL F/M3.



PA	CKAGE AIR CONDITIONING UNI	T SCHEDULE				
	SIGNATION		HC 2	HC 3	HC - HC $4B$	
МС	CA / FLA	13.0 /10.6	11.0/9	13.0 / 10.6	20.0 / 17.9	
MA	X FUSE SIZE	15	15	15	25	
VO	LTS/PHASE	460/3	460/3	460/3	460/3	
SE	ER/EER @ ARI	-/16.1	-/16.1	-/16.1	13.0	
	SUPPLY AIR (CFM)	1,650	1,600	2,000	2400	
	EXT. SP (IN. WC)	.9	1.0	1.0	1.0	
ER	MIN. O.S.A. (CFM)	860		380	655	
OWER	HP/SPEED/BHP	1.5/-/.92	1.5/-/1.02	1.51 / - / 1.33	2.9 / 1.79	
BL	RPM	-	-	-	-	
	DRIVE	DIRECT	DIRECT	DIRECT	BELT	
	SENSIBLE (MBH)	53.6	35.3	46.8	58.6	
(1)	TOTAL (MBH)	55.2	40.9	52.5	62.0	
LIN	EADB/EAWB (°F)	89.6 / 67.8	80 / 64	80 / 64	81 / 62	
COOLING	AMBIENT AIR (°F)	105.0	105.0	105.0	105.0	
0	UNIT DISCH. TEMP (° F)	59.1	-	-	-	
	REFRIGERANT	R-410A	R-410A	R-410A	R-410A	
	INPUT (MBH)	67	67.0	67.0	72	
TING	OUTPUT CAPACITY (MBH)	54	54.0	54.0	59	
ATI	FUEL	NATURAL GAS	NATURAL GAS	NATURAL GAS	NATURAL GAS	
HEA	AFUE (%)	81	-	81	-	
Ś	QUANTITY/SIZE (RETURN)	4 / 16"x16"x2"	2 /16"x25"x2"	4 / 16"x16"x2"	4 / 20"x20"x2"	
=IL TERS	TYPE	AP THIRTEEN	AP THIRTEEN	AP THIRTEEN	AP THIRTEEN	
=117	P D (IN WC)	-	-	-	-	
1	EFFICIENCY (MERV)	13	13	13	13	
MA	NUFACTURER	CARRIER	CARRIER	CARRIER	CARRIER	
ΤY	PE	GAS/ELECTRIC	GAS/ELECTRIC	GAS/ELECTRIC	GAS/ELECTRIC	
МС	DDEL NUMBER	48GCDM06A2A6	48GCDM05A2A6	48GCDM06A2A6	48LCD007A3A6	
LŌ	CATION	BLDG-900	BLDG-900	BLDG-900	BLDG-900	
OP	PER. WT (LBS)	1,200	1,200	1,200	1,400	
AC	CESSORIES	234	234	2346	3 5 6	

(1) 0SA=330 MIN. MIN., 450 CFM MIN. MAX (2) SEE DETAIL D/M3 FOR UNIT CONTROL.

(3) FULLY MODULATING ECONOMIZER w/MODULATING EF. SEE EF SCHEDULE FOR ADDITIONAL INFO.

(4) UV-C LITE FACTORY INSTALLED. FIELD WIRED, SEE DETAIL B/M3.

(5) UV-C LITE FACTORY INSTALLED & WIRED.

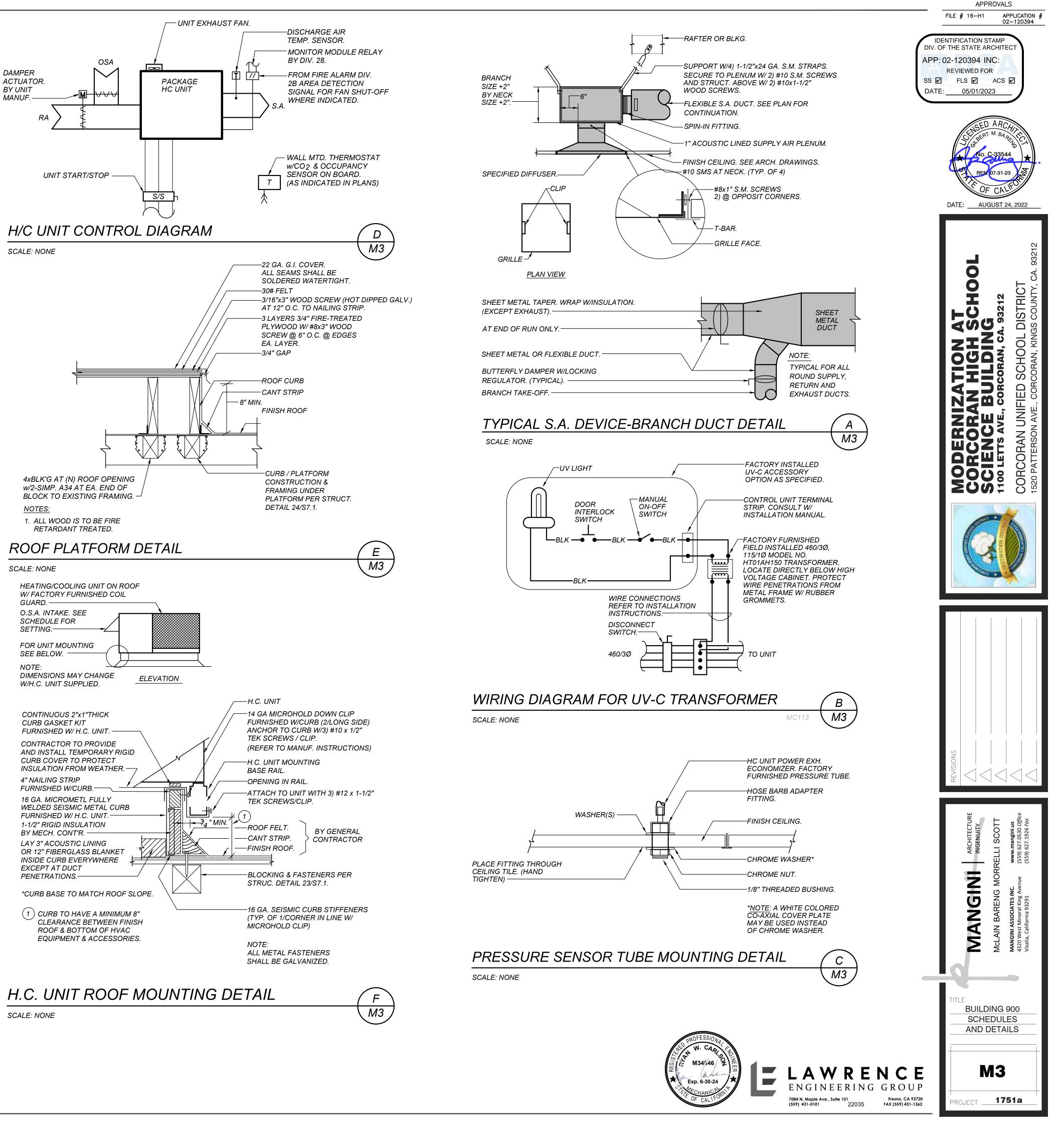
(6) DIV. 28 TO PROVIDE FULL AREA DETECTION SIGNAL TO SHUT DOWN HC-3 & 4B ONLY.

EXHAUST FAN SCHEDULE			
DESIGNATION		EF 2A THRU 2C	EF 3
CFM	800	1200-2000	2000-2400
ESP (IN WC)	1.0	0.3	0.4
HP/WATTS/BHP/MCA/MOCP	1.0/-/.24/-/-	1/2 / - / - / 3.4 / 10	1.0/-/-/6.3/10
VOLTS/ PHASE	208 / 3	460 / 3	460 / 3
RPM	1955	-	-
TIP SPEED/ SONES	5374 / 16.4	-	-
DRIVE	DIRECT	DIRECT	DIRECT
MOUNTING	ROOF	AT HC UNIT	AT HC UNIT
MANUFACTURER	GREENHECK	MICROMTL	MICROMTL
TYPE	CENTRIFUGAL	CENTRIFUGAL MOD.	CENTRIFUGAL MOD.
MODEL NUMBER	FJI-10-B1-X	4LH	4L1
CONTROL	(2)	UNIT CONTROLS	UNIT CONTROLS
SERVICE	BLDG-900	HC-1, 2 & 3	HC-4
OPER. WT. (LBS)	150	(1)	(1)
ACCESSORIES			

(1) THIS WT. INCLUDED w/HC UNIT.

(2) HOOD SWITCH WIRED TO 3-POLE CONTACTOR FOR FAN CONTROL, SEE DIV. 28.

		GRILLE SCHEDULE
MARK	DUTY	DESCRIPTION
A	CEILING SUPPLY	TITUS TDC (TYPE 3) LOUVER FACE SQUARE OR RECTANGULAR NECK DIFFUSER FOR STD. LAY-IN CEILING, AND NO. 26 OFF-WHITE FINISH. (18"X18" NECK ADAPTER SIZE SHOWN).
В	CEILING SUPPLY	TITUS TDC (TYPE 1) LOUVER FACE SQUARE OR RECTANGULAR NECK DIFFUSER FOR SURFACE MOUNTING, AND NO. 26 OFF-WHITE FINISH.
¢	CEILING RETURN OR EXHAUST	TITUS CORE 50F (TYPE 3) ALUMINUM EGG CRATE REGISTER WITH 1/2" x 1/2" GRID, FOR LAY-IN CEILING, AND NO. 26 OFF-WHITE FINISH.
D	CEILING RETURN OR EXHAUST	TITUS CORE 50F (TYPE 1) ALUMINUM EGG CRATE REGISTER WITH 1/2" x 1/2" GRID, FOR SURFACE MOUNTING WITH NO. 26 OFF-WHITE FINISH.





GENERAL NOTES:

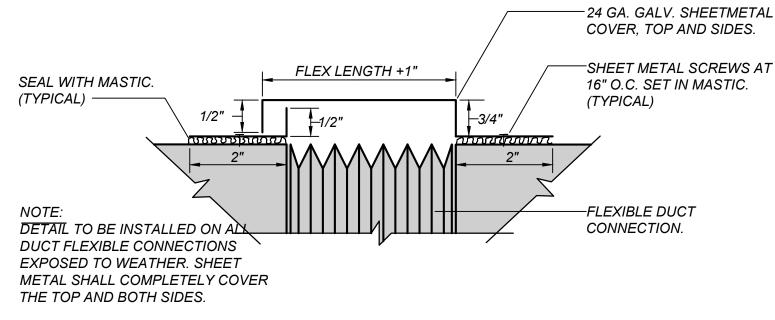
- 1. THE INTENT OF THE DRAWING AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE 2019 EDITION OF TITLE 24. CALIFORNIA CODE OF REGULATIONS. CHANGES TO THE STRUCTURAL ACCESSIBILITY OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR CONSTRUCTION CHANGE DOCUMENT AS REQUIRED IN SECTION 4-338, PART 1, TITLE 24, CCR, AND SHALL BE SUBMITTED TO AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATION IR A-6.
- 2. LAYOUT OF MATERIALS, EQUIPMENT AND SYSTEMS IS GENERALLY DIAGRAMMATIC UNLESS SPECIFICALLY DIMENSIONED. SOME WORK MAY BE SHOWN OFFSET FOR CLARITY. THE HVAC BUILDING PLANS HAVE BEEN PREPARED TO MATCH THE ARCHITECTURAL PLANS. IF DIFFERENCES OCCUR, THE ARCHITECTURAL PLANS ARE TO TAKE PRECEDENCE. THE ACTUAL LOCATIONS OF ALL MATERIALS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT, SUPPORTS, ETC. SHALL BE CAREFULLY PLANNED, PRIOR TO INSTALLATION OF ANY WORK, TO AVOID ALL INTERFERENCE WITH EACH OTHER, OR WITH STRUCTURAL, ELECTRICAL, ARCHITECTURAL, OR OTHER ELEMENTS. ALL DUCT AND PIPE OFFSET ELBOWS FOR COORDINATION BETWEEN TRADES ARE NOT SHOWN. CONTRACTOR SHALL INCLUDE SUFFICIENT FUNDS FOR THE COORDINATION OFFSETS IN THE BID. VERIFY THE PROPER VOLTAGE AND PHASE OF ALL EQUIPMENT WITH THE ELECTRICAL PLANS. ALL CONFLICTS SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND THE ENGINEER PRIOR TO THE INSTALLATION OF ANY WORK OR THE ORDERING OF ANY EQUIPMENT.
- 3. WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER-DRIVEN PINS IN EXISTING NON-PRESTRESSED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF ONE INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
- 4. ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE THERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.
- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
- 2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- 3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE ATTACHMENT OF THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT 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 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 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.

- 5. PENETRATIONS THROUGH FIRE RATED WALLS, FLOOR/CEILING, AND ROOF/CEILING ASSEMBLIES SHALL BE SEALED USING AN APPROVED SYSTEM CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN SUBJECTED TO THE REQUIREMENTS OF THE TEST STANDARD SPECIFIC TO FIRE STOPS PER 2019 CBC SECTION 714. THIS INCLUDES EXISTING PIPE AND CONDUIT THROUGH NEW ASSEMBLIES. CUSTOM DESIGNED SYSTEMS WHICH COMBINE COMPONENTS FROM DIFFERENT APPROVED SYSTEMS BUT HAVE NOT BEEN TESTED AS A COMPLETE ASSEMBLY WILL NOT BE ACCEPTABLE. FOR FIRE STOPS FOR PIPE PENETRATIONS SEE SPECIFICATIONS.
- 6. DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. WHERE ACOUSTIC LINING IS SHOWN, INCREASE EACH SHEET METAL DIMENSION TO ACCOMMODATE LINING & MAINTAIN CLEAR INSIDE DUCT DIMENSIONS SHOWN.
- 7. SA DUCTWORK SHALL BE 1" PRESSURE CLASS, AND] RA & EA DUCTWORK SHALL 1" PRESSURE CLASS UNLESS OTHERWISE NOTED.
- 8. A DSA CERTIFIED PROJECT INSPECTOR (CLASS 3) EMPLOYED BY THE DISTRICT & APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-338, PART 1, TITLE 24, CCR.
- 9. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- 10. MANUFACTURED SUPPORT FRAMES AND CURBS USING HOT ROOLED OR COLD-FORMED STEEL FOR MECHANICAL EQUIPMENT WEIGHING LESS THAN 2000# SHALL BE EXEMPT FROM SPECIAL INSPECTIONS AND TESTING. SEE DSA-103 FORM.
- 11. SEE DETAIL C/M4 FOR FIRE / SMOKE DAMPER.



SHEET METAL WEATHER COVER FOR FLEXIBLE DUCT CONNECTION DETAIL

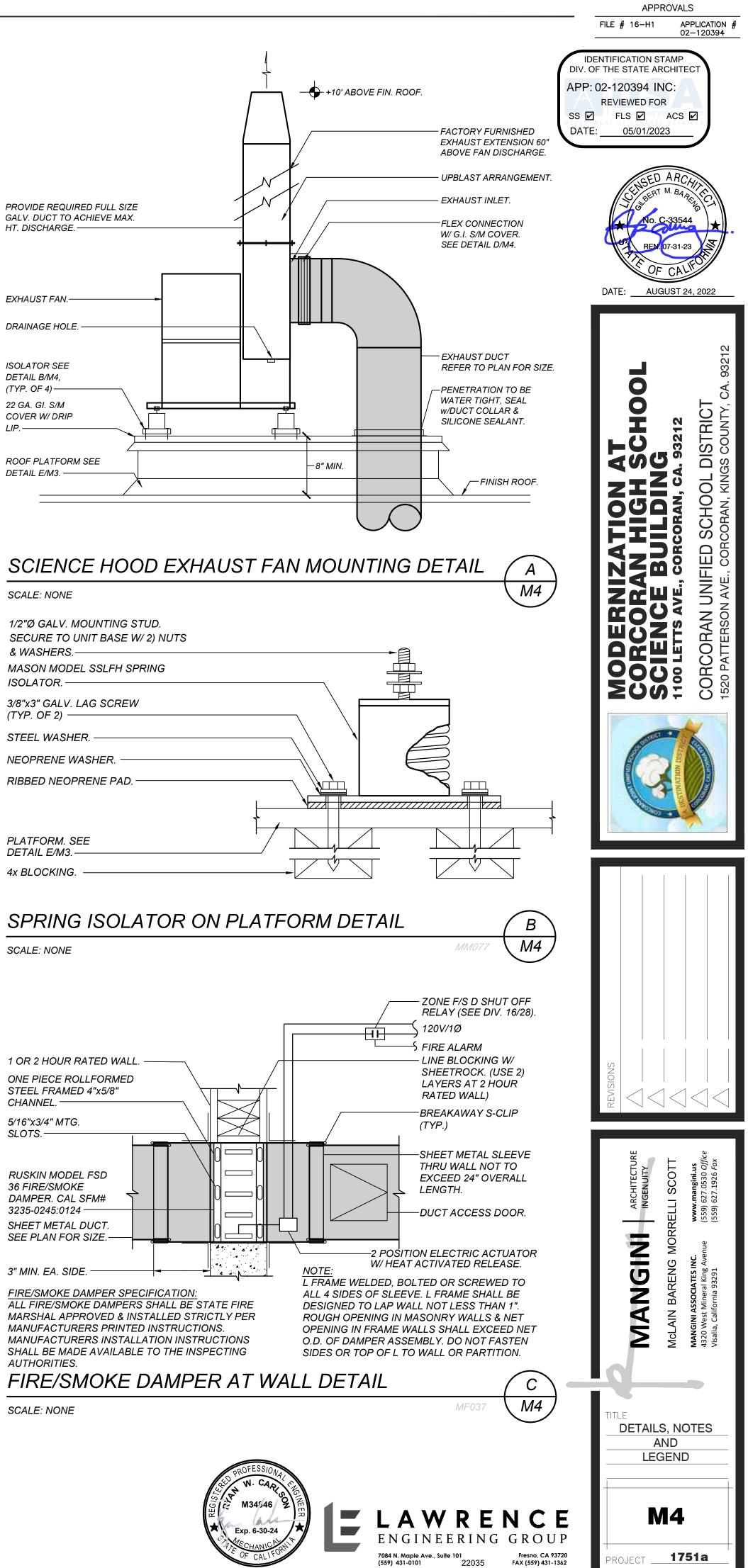
SCALE: NONE

AIF	CONDITIONING LEGEN	D
SYMBOL	ITEM	ABBR
\sim	ROUND DUCT	Ø
	FLAT OVAL DUCT	Ð
	SHEET METAL DUCT	-
	ACOUSTIC LINING FOR DUCT OR GRILLES	(L)
	DUCT W/EXT INSULATION & GALV. SM SUNSHIELD	_
	SUPPLY AIR DUCT DROP	_
	RETURN AIR DUCT DROP	_
	EXHAUST DUCT AIR DROP	_
	SUPPLY AIR DUCT RISE	_
	RETURN AIR DUCT RISE	<u> </u>
	EXHAUST AIR DUCT RISE	_
	TURNING VANES	τv
	EXTRACTOR	—
· <u> </u>	VOLUME CONTROL DAMPER W/LOCKING QUADRANT	VCD
	OPPOSED BLADE DAMPER	OBD
	BACKDRAFT DAMPER	BDD
	VOLUME CONTROL DAMPER W/ REMOTE REGULATOR	VCR
× • •	FIRE/SMOKE DAMPER WITH ACCESS PANEL	F/SD
CFM	CUBIC FEET OF AIR PER MINUTE	CFM
T	THERMOSTAT @ +4'-0" TOP OF BOX	T'STAT
ر م	DIRECTION OF FLOW	_
₽	SUPPLY AIR	SA
	RETURN AIR	RA
┨1	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
Ũ	PIPE/DUCT TURN DOWN	_
ОЩ.	PIPE/DUCT TURN UP	_
X	POINT OF CONNECTION	POC
	EXISTING (DESIGNATED)	(E)
	NEW (DESIGNATED)	(N)
SD	DUCT SMOKE DETECTOR	SD
A/V	AUDIBLE/VISUAL ALARM	A/VA
	BYPASS TIMER	BPT

D

M4

IIP -



Project Name:	Building 900		NRCC-PRF-01	L-E	Page 2 of 12	Page 2 of 12		
Project Address:	1520 Patterson Ave Corcoran 93212		Calculation D	ate/Time:	10:27, Mon, Aug 01, 2022			
Input File Name:	22035 Building 900 Mod _V8.3_ 08.01.2022.cibd19	Эх						
			44.5.3					
C1. COMPLIANCE R	ESULTS FOR PERFORMANCE COMPONENTS (Ann	ual TDV Energy Use, kBtu	/ft ~yr)					
		COMPLI	ES					
	Energy Component	Standard Design (TDV)	Prop	osed Design (TDV)	Compliance Margin (TDV) ¹		
Space Heating		1	15.13		3.75	11.38		
Space Cooling			112.52		78.68	33.84		
Indoor Fans		1	122.44		166.73	-44.29		
Heat Rejection								
Pumps & Misc.			-		-	-		
Domestic Hot Water			17.17		12.70	4.4		
Indoor Lighting			40.01 40.0					
ENERGY STAN	DARDS COMPLIANCE TOTAL		307.27		301.87	5.40 (1.8%)		
¹ Notes: The number	r in parenthesis following the Compliance Margin	in column 4. represents ti	he Percent B	etter than S	itandard.			
C2. RESULTS FOR 'A	BOVE CODE' QUALIFICATIONS ¹							
This project is pursu	uing CalGreen Tier 1			This proje	ct is pursuing CalGreen Tier	Design (TDV) Compliance Margin (TDV) ¹ 3.75 11 78.68 33 166.73 -44 - - 12.70 -4 40.01 - 301.87 5.40 (1.8 ord. - 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -		
'	Miscellaneous Energy Component	Standard Design (TDV)	Prop	osed Design (TDV)	Compliance Margin (TDV) ¹		
Receptacle			72.74		72.74	-		
Process		180.17		180.17		-		
Other Ltg		-		-				
Process Motors								
COMPLIANCE TOTAL P	PLUS MISCELLANEOUS COMPONENTS		560.18		554.78	5.4 (1.0%		
	used to document compliance with programs OT	LED TUAN THIS 34 Dest C	if an aliaable					

CA Building Energy Efficiency S	Standards-	2019	Nonresidential	Comp

Report Version: NRCC-PRF-01-E-12092021-6844

Report Generated at: 2022-08-01 10:27:45

Project Name:	Building 900						NRCC	- PRF-01 -E		Page .	5 of 12		
Project Address:	1520 Patterson Av	e Corcoran 932)	12				Calculation Date/Time: 10:27, Mon, Au			10:27	, Mon, Aug 0	1, 2022	
Input File Name:	22035 Building 900	0 Mod _V8.3_0	8.01.2022.0	cibd19x									
G3. OPAQUE SURFAC	E ASSEMBLY SUMM	MARY											
1		2		3	4	!	5	6	6 7 8		8	9	10
Surface I	lame	Surface	Түре	Area (ft²)	Framing Type	Value Description of Assembly I		Description of Assembly Layers	Status ¹				
22035 Wall111		Exterior	Wall	4939	Wood	1	9	NA	U-Fa	ictor	0.065	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Wood framed wall, 16in. OC, 7.25in., R-19 Gypsum Board - 1/2 in.	E
Stotus: N - New, A - Altered, E	– Existing												
G4. OPAQUE DOOR S	UMMARY												
	1						2					3	
As	sembly Name					Overal	l U-fac	tor				Status ¹	

Metal Door26			0.700
G5. FENESTRATION ASSEMBLY SUM	MMARY		
1	2	3	

1	2	3	4	5	6	7	8	9
Fenestration Assembly Name / Tag or I.D.	Fenestration Type / Product Type / Certification Method ¹ VerticalFenestration FixedWindow N/A NFRC Rated	Assembly Method	Area ft ²	Overall U-factor	Overall SHGC	Overall VT	Status²	
22035 Window	FixedWindow	NFRC Rated	SíteBuilt	200	0.30	0.30	0.42	E

² Status: N • New, A – Altered, E – Existing

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Project Name:	Building	900			NRCC-PRF-01-E	Page 7 of 1	2		
Project Address:	1520 Pat	terson Ave Corcoran 93212			Calculation Date/T	îme: 10:27, Mon	0:27, Mon, Aug 01, 2022		
Input File Name:	22035 Bu	uilding 900 Mod _V8.3_ 08.01.2022.cibd	19x						
H3. EXHAUST FAN S	SUMMARY								
1		2	3	4	5	6	7		
System II)	Zone Name	Qty	CFM	Motor BHP	Power Per Flow (W/cfm)	Total Static Pre		
Z5 908 Biolo	;y3 1	3-Z5 908 Biology	1	2,000	0.250	0.109	0.		
Z2 90341		4-Z2 903	1	2,400	0.500	0.182	0.		
Z1 901 - 902 90450		5-Z1 901 - 902 904	1	2,400	0.500	0.182	0,		

H4. Wet System Equipment(boilers,chillers,cooling towers,etc.) This Section Does Not Apply

H5. PUMPS

This Section Does Not Apply

1	2	3
System Name	Equipment Type	Window Interlocks per §140.4(n)
HC 1	SZAC	NA
HC 2	SZAC	NA
HC 3	SZAC	NA
HC 4A	SZAC	NA
HC 4B	SZAC	NA
Undefined Plant1 - SHW	Service Hot Water, Primary Only	NA

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

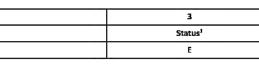
TABLE OF CONTENTS

15

Cover Page Table of Contents Form PRF-01-E Certificate of Compliance Form NRCC-PLB-E Domestic Water Heating System

								1				
		Suilding 900					NRCC-PRF-01-E		Page 1 of 12			
Proje	ct Address: 1	520 Patters	on Av	e Corcoran 932	12		Calculation Date/Ti	ime:	10:27, Mon,	Aug 01, 2022		
Input	File Name: 2	2035 Buildi	ng 90	0 Mod _V8.3_ (8.01.2022.cibd19x							
A. GI	ENERAL INFORMATI	ON										
1	Project Location (city	0		Corcor	in	8	Standards Version			Compliance2019		
2	CA Zip Code			93212		9	Compliance Softwa	are (vers	ion}	EnergyPro 8.3		
3	Climate Zone			13		10	Weather File			LEMOORE_747020_CZ2	1010.epw	
4	Total Conditioned Flo	or Area in S	cope	6,199 f	2	11	Building Orientatio	n (deg)		(N) 0 deg		
5	Total Unconditioned	Floor Area		0 ft²		12	Permitted Scope of	f Work		ExistingAdditionAndAlt	eration	
6	Total # of Stories (Ha	of Stories (Habitable Above Grade) 1				13	Building Type(s)			Nonresidential		
7	Total # of dwelling ur	nits		0		14	Gas Type	NaturalGas				
		Bu	ilding	; Components (omplying via Performance				Buildin	g Components Complyin	g Prescriptively	
Table	Instructions: Table B s	hows which	build	ling component	s are included in the performance calcul	ation.	If indicated as not	included	i, the projec	t must show compliance	prescriptively if within	
		Bu	ilding	; Components (omplying via Performance				Buildin	g Components Complyin	g Prescriptively	
				Performance	Covered Process: Commercial			The following building components an compliance and chauld be documents				
Envel	Envelope (see Table G)		Π	Not Included	Kitchens		Not included	the scop	liance and should be documented on ope of the permit application (i.e. con e NRCC-PRF-E).			
			Π.	Performance	Covered Process: Computer Rooms		Performance	Indoar I	Lighting (Und	conditioned)§140.6	NRCC-LTI-E	
wiech	anical (see Table H)			Not Included	- covered Process: computer Rooms		Not Included	Outdoo	r Lighting §1	40.7	NRCC-LTO-E	
Domo	estic Hot Water (see Ta	ahla ()		Performance	Covered Process: Laboratory Exhaust		Performance	Sign Lig	hting §140.8		NRCC -LTS-E	
DOM	suc not water (see to	allie ij	П	Not Included	Covered Process, Laboratory exhaust		Not included			Mandatory Measu	res	
Lighti Table	ng (Indoor Conditions K)	ed, see		Performance				escalato	or requireme applicable (i	tems, commissioning, so nts are mandatory and s .e. compliance will not b	hould on the NRCC form	
			П	Not Included			ſ	Electrica	al Power Dis	tribution \$110.11	NRCC-ELC-E	
Solar	Thermal Water Heatir	ng (see	ш	Performance]			Commis	ssioning S12	D.8	NRCC-CXR-E	
Table	D.			Not Included	7		Ī	Solar Re	ady \$110.10)	NRCC-SRA-E	

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-08-01 10:27:45



Report Generated at: 2022-08-01 10:27:45

8

Project Name:	Building 900		NRCC-PRF-01-E	Page 4 of 12	
Project Address:	1520 Patterson Ave Co	rcoran 93212	Calculation Date/Time:	10:27, Mon, Au	g 01, 2022
Input File Name:	22035 Building 900 Mc	od_V8.3_08.01.2022.cibd19x			
G1. ENVELOPE GENER/	L INFORMATION (co	nditioned spaces only)			
1		2	3		4
Opaque Surfaces	& Orlentation	Total Gross Surface Area (ft ²)	Total Fenestration Are	э (ft²)	Window to Wall Ratio (%)
	North-Facing ¹	825 ft ^z		0 ft²	00.09
	East-Facing ²	1,650 ft ^z		200 ft²	12.19
	South-Facing ³	825 ft ²		Q ft²	00.05
	West-Facing ⁴	1,639 ft²		0 ft²	00.05
	Total	4,939 ft ²		200 ft²	04.05
Roof		6,199 ft²		0 ft²	00.09

² North-Facing is oriented to within 45 degrees of true north, including 45°00'00" east of north (NE), but excluding 45°00'00" west of north (NW). ² East-Facing is oriented to within 45 degrees of true east, including 45°00'00" south of east (SE), but excluding 45°00'00" north of east (NE), ³ South-Facing is oriented to within 45 degrees of true south, including 45°00'00" west of south (SW), but excluding 45°00'00" east of south (SE). ⁴ West-Facing is oriented to within 45 degrees of true west, including 45°00'00" north of due west (NW), but excluding 45°00'00" south of west (SW).

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9	10	
Surface Name	Surface Type	Area (ft²)	Framing Type	Cavity R-Value	Continuous R-Value	Units	Value	Description of Assembly Layers	Status ¹	
Slab On Grade9	UndergroundFloor	6199	NA	0	NA	F-Factor	0.73	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0	E	
22035 Wall11	InteriorWall	20	Wood	19	NA	U-Factor	0.063	Stucco - 7/8 in, Vapor permeable felt - 1/8 in. Wood framed wall, 16in. OC, 7.25in., R-19 Gypsum Board - 1/2 in.	E	
22035 Roof13	Roof	6199	Wood	30	NA	U-Factor	0.035	Asphalt shingles - 1/4 in. Vapor permeable feit - 1/8 in. Plywood - 1/2 In. Air - Ceiling - 3/4 in. Wood framed roof, 16In. OC, 9.25in., R-30 Gypsum Board - 1/2 in.	N	

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

Report Version: NRCC-PRF-01-E-12092021-6844

Report Generated at: 2022-08-01 10:27:45

Project Name:

Project Address:

Input File Name:

C3. ENERGY USE SUMMARY

Energy Component

Space Heating

Space Cooling

Indoor Fans

Heat Rejection Pumps & Misc. Domestic Hot Water

Indoor Lighting

Compliance Total

Receptacle

Process

Other Ltg

Process Motors

TOTAL

D. EXCEPTIONAL CONDITIONS

E. HERS VERIFICATION This Section Does Not Apply

Project Name: Building 900 NRCC-PRF-01-E Page 6 of 12 1520 Patterson Ave Corcoran 93212 Calculation Date/Time: 10:27, Mon, Aug 01, 2022 Project Address: Input File Name: 22035 Building 900 Mod _V8.3_08.01.2022.cibd19x H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers etc.) 2 3 4 5 6 7 8 9 10 11 1 1 Heating Cooling Total Qty Total Heating Supp Heat Output Output (kBtu/h) (kBtuh) omizer Type (if Equipment Name Equipment Type Efficiency Unit Efficiency Cooling Output (kBtu/h) Efficiency Unit Efficiency present) SZAC (Packaged3Phase) 1 54 0 AFUE 81.0 53 SEER/EER 17.00/16.10 DifferentialDryBulb N HC 1 HC 2 SZAC (Packaged3Phase) 1 54 0 AFUE 81.0 39 SEER/EER 17.00/16.10 DifferentialDrγBulb N HC 2SZAC (Packaged3Phase)1540AFOE61.059SEE/EER17.00/16.10DifferentialOr/BulbNHC 3SZAC (Packaged3Phase)1540AFUE81.050SEER/EER17.00/16.10DifferentialDryBulbNHC 4ASZAC (Packaged3Phase)1590AFUE81.060SEER/EER15.00/13.00DifferentialDryBulbNHC 4BSZAC (Packaged3Phase)1590AFUE81.060SEER/EER15.00/13.00DifferentialDryBulbN ¹ Status: N - New, A – Altered, E – Existing

HZ. FAN SYSTEMS SUMMARY

1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Design OA		Supply Fan				Return Fan					
Name or Item Tag	Qty	CFM	CFM	Modeling Method	Power	Power Units	Control	CFM	Modeling Method	Power	Power Units	Control	Status ¹
HC 1	1	651	1650	BrakeHorsePower	0.920	bhp	ConstantVolume	NA	NA	NA	NA	NA	N
HC 2	1	529	1600	BrakeHorsePower	1.020	bhp	ConstantVolume	NA	NA	NA	NA	NA	N
HC 3	1	498	2000	BrakeHorsePower	1.330	bhp	ConstantVolume	NA	NA	NA	NA	NA	N
HC 4A	1	659	2400	BrakeHorsePower	1.790	bhp	ConstantVolume	NA	NA	NA	NA	NA	N
HC 4B	1	730	2400	BrakeHorsePower	1.790	bhp	ConstantVolume	NA	NA	NA	NA	NA	N
¹ Stotus: N - New, A – Alte	red, E – I	Existing											

H3. EXHAUST FAN SUMMARY 1 2 3 4 5 6 7 8 Power Per Flow (W/cfm) System ID Zone Name CFM Motor BHP Total Static Pressure (in. H,O) Qty N Z3 905 909-9103 1-Z3 905 909-910 800 0.240 0.262 1.24 N Z4 907 Classroom22 2-Z4 907 Classroom 1 2,000 0.250 0.109 0.52

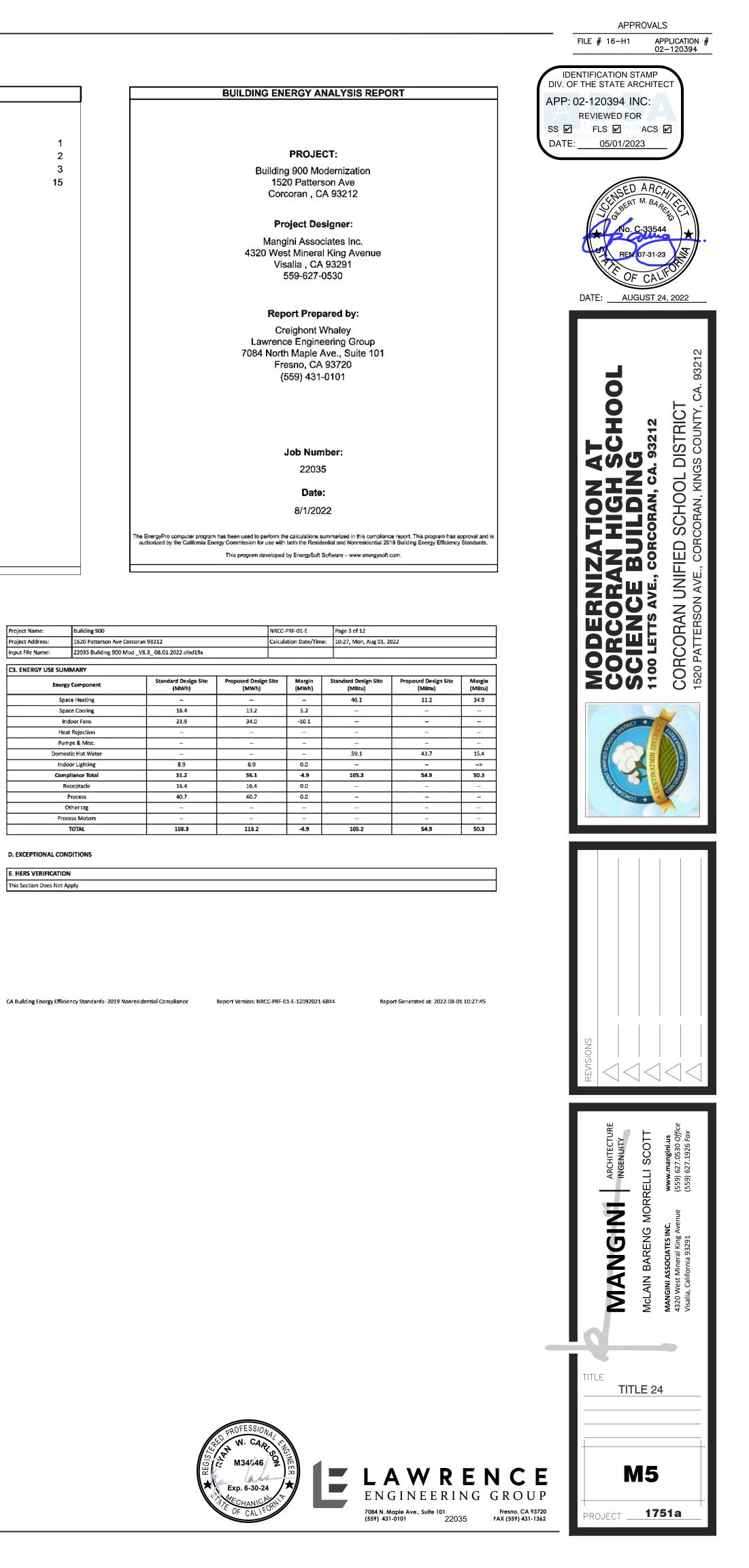
CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

Report Version: NRCC-PRF-01-E-12092021-6844

Report Generated at: 2022-08-01 10:27:45

Aotor BHP Power Per Flow (W/cfm) Total Static Pressure (in. H₂O) 0.109 N 0.52 1.500 0.182 0.86 N 0.500 0.86 N 0.182 4 Other Special Features and Controls Zones With CO2Sensor Vent. Control Differential Drybulb Economizer Zones With CO25ensor Vent. Control Differential Drybulb Economizer Zones With CO2Sensor Vent. Control Differential Drybulb Economizer Zones With CO2Sensor Vent. Control Differential Drybulb Economizer Zones With CO2Sensor Vent. Control Differential Drybulb Economizer Fixed Temperature Control ented on the NREC-MCH-E.

Report Generated at: 2022-08-01 10:27:45



Project Name:	Building 900	NRCC-PRF-01-E	Page 10 of 12				
Project Address:	1520 Patterson Ave Corcoran 93212	Patterson Ave Corcoran 93212 Calculation Date/Time: 10:27, Mon, Aug 01, 2022					
Input File Name:	2035 Building 900 Mod _V8.3_ 08.01.2022.cibd19x						
L DECLARATION OF R	EQUIRED CERTIFICATES OF INSTALLATION						
	ections shall be made by Documentation Author to indicate which Certifi ruments bust be retained and provided to the building inspector during o						
compliance. These doc		construction and can be					
compliance. These doc	uments bust be retained and provided to the building inspector during o	construction and can be					
compliance. These doc https://www.energy.co	uments bust be retained and provided to the building inspector during o	construction and can be ntial_Documents/NRCI/					
compliance. These doc https://www.energy.co Building Component	uments bust be retained and provided to the building inspector during o p.gov/title24/2019standards/2019_compliance_documents/Nonresiden	construction and can be ntial_Documents/NRCI/					

CA Building Energy Efficient	cy Standards- 2019 Nonresidential Compliar	ice Report Versio	in: NRCC-PRF-01-E-12092021-6844	Report Gene	rated at: 2022-08-01	10:27:45
STATE OF CALIFORNIA						
Domestic Water He	ating System					
NRCC-PLB-E				c	ALIFORNIA ENERGI	COMM
CERTIFICATE OF COMPLIANCE						NRCC
additions and alterations, fo		the prescriptive path. Fo	irements in <u>§110.1, §110.3, §120.3</u> , and r high-rise residential and hotel/motel o <u>10.2</u> for additions.			
Project Name:		Building 900 Modernization	Report Page:			(Page
Project Address:		1520 Patterson Ave	Date Prepared:			8/:
A STREET PROPERTY OF						
 Press Autom Law 	Corco	ran	C. Longe Des.		13	
🛛 Nonresidential	High-Rise Residential	Hotel/Motel		-		_
State Building	Healthcare Facility	Other (Write In)				
a since it to and				_		_
	1100	2000		1.000	-	-
section and the section of						_
and second on the second	and the second sec					
R.mm	CONTRACTOR OF BALLING		been last"		con laborer	
New system (DHW syst	tem being installed for the first time in r	1ewly Individua	l System (serving nonresidential spaces)	🛛 Equipment	Distribution	⊠ co

² Dwelling units refers to hotel/motel guest rooms and units in a high-rise residential occupancy.

Registration Number:		Registration Date/Tir	me:		Registration Provider: Energysoft	
CA Building Energy Efficiency Standards - 2	019 Nonresidential Compliance	Report Version: 2019 Schema Version: rev		Report Generated: 2022-08-01.		
STATE OF CALIFORNIA						
Domestic Water Heating Sys NRCC-PLB-E	stem			c	ALIFORNIA ENERGY COMMISSION	
CERTIFICATE OF COMPLIANCE					NRCC-PLB-E	
Project Name:	Buildí	ing 900 Modernization Report Pag	e:		(Page 4 of 6)	
Project Address:		1520 Patterson Ave Date Prepa	red:		8/1/2022	
This table is used to demonstrate comp compliance is demonstrated with requi			ents in <u>§120.3</u> and :	§140.5. For high-rise resident	tial and hotel/motel occupancies,	
This table is used to demonstrate comp compliance is demonstrated with requi			ents in <u>§120.3</u> and <u>;</u>	§140.5. For high-rise resident	tial and hotel/motel occupancies,	
This table is used to demonstrate comp			ents in <u>§120.3</u> and ;	§140.5. For high-rise resident	tial and hotel/motel occupancies,	
This table is used to demonstrate comp compliance is demonstrated with requi			ents in <u>§120.3</u> and :	§140.5. For high-rise resident	tial and hotel/motel occupancies,	
This table is used to demonstrate comp compliance is demonstrated with requi			ents in <u>§120.3</u> and :	§140.5. For high-rise resident	tial and hotel/motel occupancies,	
This table is used to demonstrate comp compliance is demonstrated with requi			ents in <u>§120.3</u> and :	§140.5. For high-rise resident	tial and hotel/motel occupancies,	

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Registration Date/Time: Report Version: 2019.1.003 Schema Version: rev 20200601

Project Name:	Build	ding 900					NRCC	-PRF-01-E	Page 9 o	f 12			
Project Address:	152	0 Patterson Ave Corco	ran 933	212			Calcu	Calculation Date/Time:		10:27, Mon, Aug 01, 2022			
Input File Name:	220	35 Building 900 Mod	V8.3_	08.01.2022	2.cibd19x								
H11. HEAT REC	s Not Apply												
1	2	IENT SUMMARY	4	5	6	7	8	9	10	11	12	13	14
Name	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input	Rated input Unit	Efficiency	Efficiency Unit	Tank Insulation R-value (Int/Ext)	Standby Loss Fraction	1st Hour Rating or Flow Rate (gal)	Heat Pump Type	Tank Location or Amblent Condition
Navien NPE - 240A22	Gas	Instantaneous	1	1.00	200	kBtu/h	0.95	UEF	NA	NA	11	NA	NA

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

on is accurate and complet

Project Name: Building 900

Project Address:

1520 Patterson Ave Corcoran 93212

Input File Name: 22035 Building 900 Mod _V8.3_08.01.2022.cibd19x

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

l certify that this Certificate of Compliance documentat

Company: Lawrence Engineering Group

City/State/Zip: Fresno CA 93720

Company: Mangini Associates Inc.

Responsible Lighting Designer Name:

Company: Lawrence Engineering Group

Domestic Water Heating System

City/State/Zip: Fresno CA 93720

Phone: 559-431-0101

STATE OF CALIFORNIA

Address: 7084 North Maple Avenue Suite 101

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance

Address:

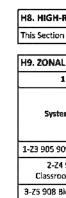
City/State/Zip:

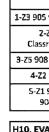
Phone: (559) 431-0101

Address: 7084 North Maple Ave., Suite 101

Documentation Author Name: Creighont Whaley

RESPONSIBLE PERSON'S DECLARATION STATEMENT





Report Generated at: 2022-08-01 10:27:45

License #: C-29566

License #:

License #: CA #M34846

Report Generated at: 2022-08-01 10:27:45

NRCC-PRF-01-E Page 12 of 12

Signature: Land Who-

CEA/ HERS Certification Identification (If applicable):

Signature:

Date Signed:

Date Signed:

Signature: NOT IN SCOPE

Date Signed: 202-08-01

Title: Principal

Report Version: NRCC-PRF-01-E-12092021-6844

e: Ra lala

Title:

litle:

Calculation Date/Time: 10:27, Mon, Aug 01, 2022



PLB-E IFICATE OF COMPLIANCE			CALIFORNIA ENERGY COMMISS NRCC-P
ct Name:	Building 900 Me	odernization Report Page:	(Page 2 d
ct Address:	1520 Pa	atterson Ave Date Prepared:	8/1/2
C will indicate if the project data input	into the compliance document is con	naliant with water beating requirements. If	this table says "DOES NOT COMPLY" or "COMPLIES with
otional Conditions" refer to Table D. or ti	he table indicated as not compliant f	or guidance.	
and the second second		and the second sec	
Read of the American	and a second second	- Sec	research read
Yes	Yes	Yes	COMPLIES
	and and instants the Authority Havi	ng luisdisting	
table is includes remarks made by the pe	ermit applicant to the Authority Havi	ng Jurisdiction.	
	ermit applicant to the Authority Havi	ng Jurisdiction.	
	ermit applicant to the Authority Havi	ng Jurisdiction.	
	ermit applicant to the Authority Havi	ng Jurisdiction.	
	ermit applicant to the Authority Havi	ng Jurisdiction.	
	ermit applicant to the Authority Havi	ng Jurisdiction.	
	ermit applicant to the Authority Havi	ng Jurisdiction.	
	ermit applicant to the Authority Havi	ng Jurisdiction.	
	ermit applicant to the Authority Havi	ng Jurisdiction.	
	ermit applicant to the Authority Havi	ng Jurisdiction.	
	ermit applicant to the Authority Havi	ng Jurisdiction.	



address: 152 will indicate if the project data input into the compliance document is anal Conditions" refer to Table D. or the table indicated as not complia		(Page 2 : 8/1/2 this table says "DOES NOT COMPLY" or "COMPLIES with
will indicate if the project data input into the compliance document is nal Conditions" refer to Table D. or the table indicated as not complia	compliant with water heating requirements. If	
will indicate if the project data input into the compliance document is mal Conditions" refer to Table D. or the table indicated as not complia		this table says "DOES NOT COMPLY" or "COMPLIES with
No. 10.1	- Careto	and the second s
Yes Yes	Yes	COMPLIES
le is includes remarks made by the permit applicant to the Authority H	laving Jurisdiction.	

Report Version: 2019.1.003

Schema Version: rev 20200601



The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance accounts, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for approximate is required to be included with the documentation the builder provides to the building owner at occupancy. An owner of the local data and the second statement of the Contract Contractory 1 (and 1) Responsible Envelope Designer Name: Christopher D. Mclain ring nonresidential spaces) 🛛 🛛 Equipment 🖾 Distribution 🛛 🖾 Controls Equipment Distribution Controls Address: 4320 West Mineral King Avenue ces, are considered individual systems. City/State/Zip: Visalia CA 93291 Phone: 559-627-0530 Company: Phone: Responsible Mechanical Designer Name: Ryan W. Carlson

CALIFORNIA ENERGY COMMISSION

NRCC-PLB-E

Page 1 of

8/1/202

N					OF COMPLIANCE	ERTIFICATE
(Pa	ort Page:	Modernization Repo	Building 906		::	hoject Name
	e Prepared:	0 Patterson Ave Date	152		9561	Project Addre
					and set of the boundary	
h-rise residential and hotel/motel occupancies, compliance es					used to demonstrate compliar requirements in <u>§150.1(c)8</u> m	
		<u>, , , , , , , , , , , , , , , , , , , </u>				
#	COMPLETE:	10000	1.0.00			1000
second states and states and states	And Spiller	84.89.31				Name of Street
	1000	1.000				10.04
0.81	0.95	GPM ≻= 4.0	<=2	,000-200,000	Gas-Fired Instantaneous (50 BTUH)	Navien NPE - 240A2
on the Energy Commission website:	se System (MAEDBS) o	Efficiency Databas				
			ancedSearch.aspx	ges/Search/Adva	rtappliances.energy.ca.gov/Pa	ttps://cace
The second state of the se			The second	1.0.1		
and the second part of the second		- Link	×	Ū.		
	Contraction of the local division of the loc	-1000	⊠	0	.0	
channelling) his sold of a content water			×	0	0	100

Registration Provider: Energysoft Report Generated: 2022-08-01 10:31:12

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003 Schema Version: rev 20200601

Registration Date/Time:

Registration Provider: Energysoft Report Generated: 2022-08-01 10:31:12

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

	Building 900				N	RCC-PRF-01-E	F	age 8 of 12				-				
Project Address:	1520 Patterson Ave O	orcoran 93212			Ci	alculation Date/	Time: 1	0:27, Mon,	Aug 01, 2022							
nput File Name:	22035 Building 900 M	od _V8.3_ 08.01.2022.0	cibd19x		Î		Î									
17. NONRESIDENTIAL																
1		2			3	4		5	б		7					
				м	echanicai Ver	ntilation										
Zone Na	Zone Name		Ventilation Function # pe Misc - All others 43				_	naust FM	Condicioned Area		DCV or Occupant Sensor Controls, or Both					
1-Z3 905 90							1	00	868		DCV					
2-Z4 907 Clas	ssroam	Education - Classrooms (ages 9-18) 3				.25 529	2	000	705		DCV					
3-Z5 908 Bi	iology	Education - Classr	ooms (age	s 9-18)	33.17	498	2	000	1327		DCV					
4-Z2 903 Education - Classroo			ooms (age	s 9-18)	43.94	659	2	400	1352		DCV					
5-Z1 901 - 902 904 E		Education - Classr	ooms (age	s 9-18)	48.67	730	2	400	1947		DCV					
19. ZONAL SYSTEM A	ND TERMINAL UNIT :		1.													
		SUMMARY 3	4	5 Rated C		7	8 flow (cfm	9	10	11 E	12	13				
19. ZONAL SYSTEM A	ND TERMINAL UNIT :		4 Qty	Rated C (kBi	apacity :uh)	Ai	rflow (cfm) 	_	Fi						
19. ZONAL SYSTEM A 1 System ID	ND TERMINAL UNIT : 2 Zone Name	3 System Type	Qty	Rated C (kBi Heating	apacity uh) Cooling	Ai Design	rflow (cfm Min.) Min. Ra	tia Power	Fi Power Units	an Cycles	vst				
19. ZONAL SYSTEM A 1 System ID 1-23 905 909-910-Trm	ND TERMINAL UNIT : 2	3	1	Rated C (kBi	apacity :uh)	Ai	rflow (cfm) 	_	Fi		vst				
19. ZONAL SYSTEM A 1 System ID	ND TERMINAL UNIT : 2 Zone Name	3 System Type	Qty	Rated C (kBi Heating	apacity uh) Cooling	Ai Design	rflow (cfm Min.) Min. Ra	tio Power 0.920	Fi Power Units	an Cycles					
19. ZONAL SYSTEM A 1 System ID 1-23 905 909-910-Trm 2-24 907 Classroom-Trm	ND TERMINAL UNIT S Z Zone Name 1-Z3 905 909-910	3 System Type Uncontrolled	Qty 1	Rated C (kB1 Heating NA	apacity uh) Cooling NA	Ai Design 1650	nflow (cfm Min. NA) Min. Ra 0.00	tio Power 0.920 1.020	Fi Power Units bhp	an Cycles NA					
19. ZONAL SYSTEM A 1 System ID 1-23 905 909-910-Trm 2-24 907 Classroom-Trm	ND TERMINAL UNIT S 2 Zone Name 1-Z3 905 909-910 2-Z4 907 Classroom	3 System Type Uncontrolled Uncontrolled	Qty 1	Rated C (kB1 Heating NA NA	apacity suh) Cooling NA NA	Ai Design 1650 1600	rflow (cfm Min. NA NA) Min. Ra 0.00	tio Power 0.920 1.020	Fi Power Units bhp bhp	an Cycles NA NA					
19. ZONAL SYSTEM A 1 System ID 1-23 905 909-910-Trm 2-24 907 Classroom-Trm 3-25 908 Biology-Trm	ND TERMINAL UNIT : 2 Zone Name 1-Z3 905 909-910 2-Z4 907 Classroom 3-Z5 908 Biology	3 System Type Uncontrolled Uncontrolled Uncontrolled	Qty 1 1 1	Rated C (kB) Heating NA NA NA	apacity uh) Cooling NA NA NA	Ai Design 1650 1600 2000	nflow (cfm Min. NA NA) Min. Ra 0.00 0.00	tio Power 0.920 1.020 1.330 1.790	Fi Power Units bhp bhp bhp	an Cycles NA NA NA	VSD				
1 System ID 1-23 905 909-910-Trm 2-24 907 Classroom-Trm 3-25 908 Biology-Trm 4-22 903-Trm 5-21 901 - 902	ND TERMINAL UNIT : 2 Zone Name 1-Z3 905 909-910 2-Z4 907 Classroom 3-Z5 908 Biology 4-Z2 903 5-Z1 901 - 902 904 OOLER SUMMARY	3 System Type Uncontrolled Uncontrolled Uncontrolled Uncontrolled	Qty 1 1 1 1 1 1 1	Rated C (kBr Heating NA NA NA NA	Apacity uh) Cooling NA NA NA NA	Ai Design 1650 1600 2000 2400	nflow (cfm Min. NA NA NA) Min. Ra 0.00 0.00 0.00 0.00	tio Power 0.920 1.020 1.330 1.790	Fi Power Units bhp bhp bhp	An Cycles NA NA NA NA	п П				

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844

Report Generated at: 2022-08-01 10:27:45

gnized for tification 4/
tification
pply Fan VFD
(refer to



Report Generated: 2022-08-01 10:31:12

CE



M6

PROJECT 1751a

APPROVALS FILE # 16-H1 APPLICATION #

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

REVIEWED FOR

APP: 02-120394 INC:

02-120394

P:\2022\22035 Corcoran HS Modernization BLDG 900\4-Drawings\4 M\M5-M7 TITLE 24.dwg Apr 20 2023 11:39am

STATE OF CALIFORNIA	
Domestic Water Heating System	
NRCC-PLB-E	CALIFÓRNIA ENERGY CÓMMISSIÓN
CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
Project Name: Building 900 Modernizatio	n Report Page: (Page 6 of 6)
Project Address: 1520 Patterson Av	e Date Prepared: 8/1/2022
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I certify that this Certificate of Compliance documentation is accurate and compl	ete.
Decumentation Author Name: Creighont Whaley	Documentation Author Signature:
Company: Lawrence Engineering Group	Signature Date: 2022-08-01
Address: 7084 North Maple Ave., Suite 101	CEA/ HERS Certification Identification (If applicable):
Gty/State/Zip. Fresno CA 93720	Phone: (559) 431-0101
of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are plans and specifications submitted to the enforcement agency for approval with this building permit a	es for the building design or system design identified on this Certificate of Compliance conform to the requirements consistent with the Information provided on other applicable compliance documents, worksheets, calculations, application. Th the building permit(s) issued for the building, and made available to the enforcement agency for all applicable
Responsible Designer Name: Ryan W. Carlson	Responsible Designer Signature: Ran Cala
Company: Lawrence Engineering Group	Date Signed: () 2022-08-01
Address: 7084 North Maple Avenue Suite 101	License: CA #M34846
City/State/Zip: Fresna CA 93720	Phone: 559-431-0101

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Registration Date/Time: Report Version: 2019.1.003

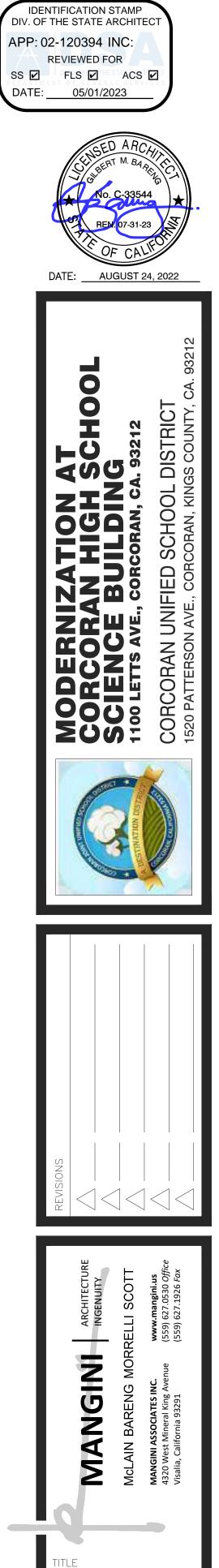
Schema Version: rev 20200601

Registration Provider: Energysoft Report Generated: 2022-08-01 10:31:12

oject Name		CE			RCC-PLB
·	2			Building 900 Modernization Report Page: (Pa	ige 5 of 1
oject Addre	855:			1520 Patterson Ave Date Prepared:	8/1/202
		an indexe			_
		onstrate comp		rol requirements in <u>\$110.3</u> for all occupancies. For high-rise residential and hotel/motel occupancies, compliance is also	
		- * -	100	the second s	
+					1
*	•	•	⊠		
*	-	D.	×	The state of the second st	
	•	0	8	the second se	-
*		Q.	8	to the same stated streng spins to same a set of the same state state and the same state and the same	
	3	.0	×	A state of the sta	
55.46	10.0				
fditional R	emarks. Thes	e documents i	nust be províde	ded in this document. If any selection have been changed by permit applicant, an explanation should be included in Table d to the building inspector during construction and can be found online at	Ε.
tps://wwv	v.energy.ca.go	ov/title24/201	19standards/201	19_compliance_documents/Nonresidential_Documents/NRCI/	_
RCI-PLB-01	I-E - Must be :	submitted for	all buildings		
10.144	-		*****		
iere are no	o Certificates d	of Acceptance	applicable to se	ervice water heating requirements.	
lant in	1000		CT OF STREET	and the second se	
ere are no	NRCV forms	required for t	his project.		_

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Report Version: 2019.1.003 Schema Version: rev 20200601 Report Generated: 2022-08-01 10:31:12



TITLE 24

M7

PROJECT _____1751a

APPROVALS

FILE # 16-H1 APPLICATION # 02-120394



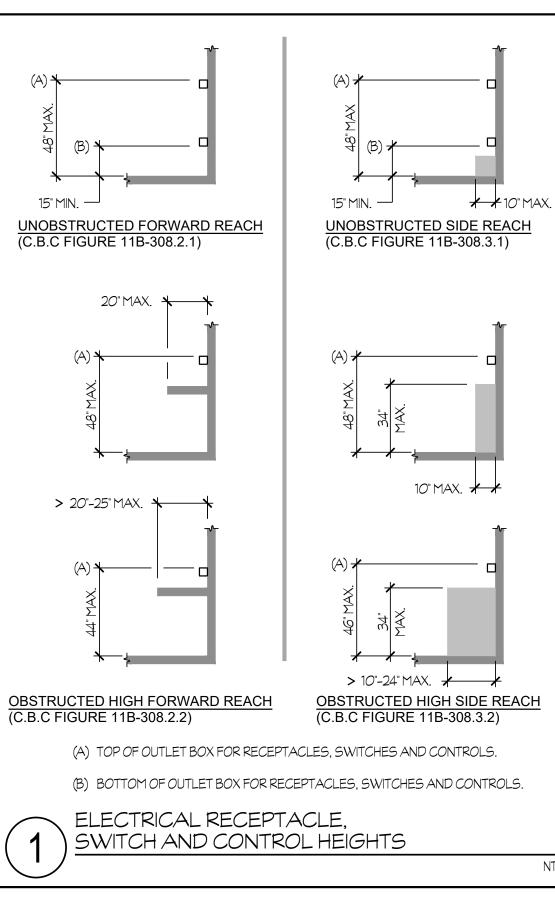


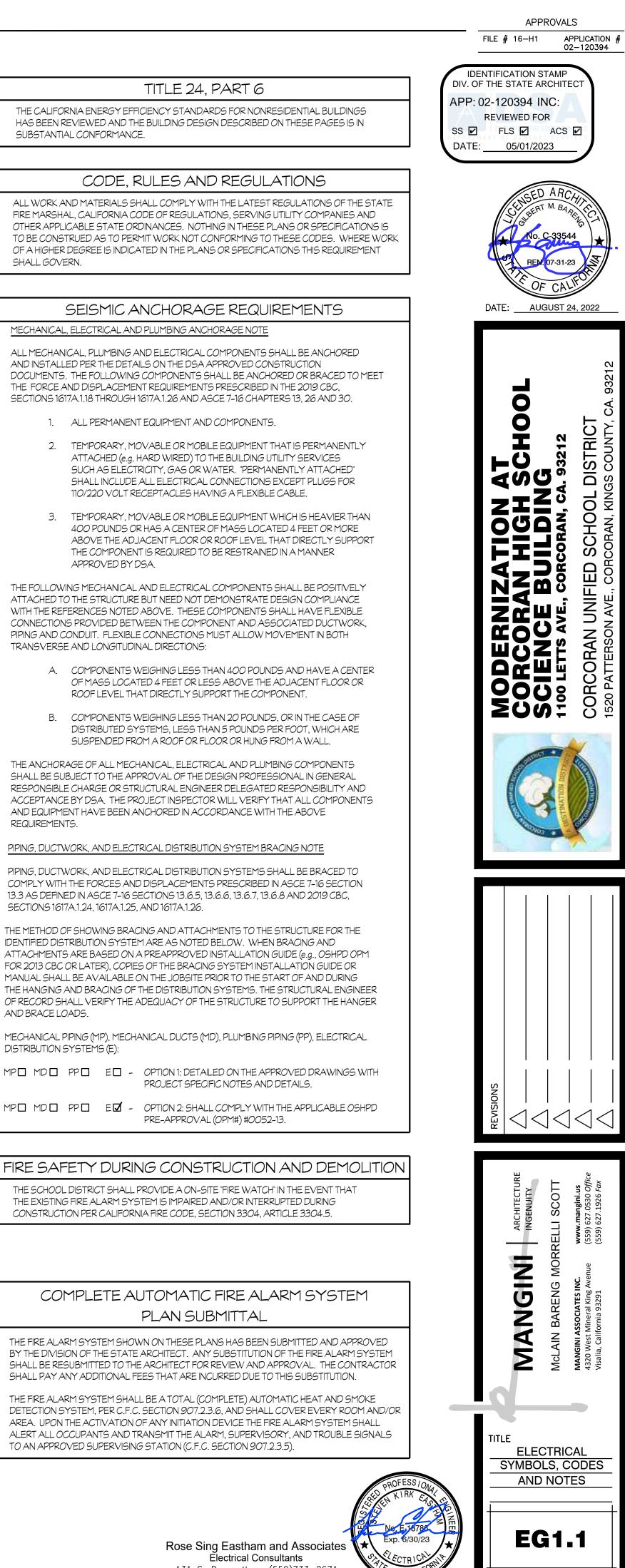
ELECTRICAL SYMBOLS NOTES:

- (A) REFER TO FIRE ALARM DEVICES ELEVATION, DETAIL #2/E2.6 FOR RESPECTIVE MOUNTING HEIGHTS.
- (B) AT EXTERIOR LOCATIONS, PROVIDE WEATHER-RESISTANT TYPE G.F.C.I. DUPLEX RECEPTACLES, LEVITON #G5362-WTW OR EQUAL. AT DAMP LOCATIONS, PROVIDE A DIECAST WEATHERPROOF LOCKABLE COVER, RACO #5028-0 OR EQUAL. AT WET LOCATIONS. PROVIDE A DIECAST WEATHERPROOF "WHILE-IN-USE" LOCKABLE COVER. RED DOT #CKSUV OR EQUAL.
- (C) ACUITY CONTROLS #CAT 5e * J1 OR EQUAL. * ASTERISK INDICATES LENGTH OF CABLE. CABLES ARE AVAILABLE IN 6", 1', 2', 5', 10', 15', 30', AND 50' LENGTHS.
- (D) LIBERTY WIRE CABLE, INC #18-2C-LVB OR EQUAL.
- (E) "INLIGHT" ENABLED LIGHT FIXTURE PER FIXTURE SCHEDULE ON SHEET #EG1.2.
- (F) ACUITY CONTROLS #1WSXA-PDT-LV-DX-WH OR EQUAL. PROVIDE A DECORATOR STYLE STAINLESS STEEL WALLPLATE.
- (G) ACUITY CONTROLS #nPODMA-DX-WH OR EQUAL. PROVIDE A DECORATOR STYLE STAINLESS STEEL WALLPLATE.
- (H) ACUITY CONTROLS #nPODMA-4P-DX-WH OR EQUAL. PROVIDE A DECORATOR STYLE STAINLESS STEEL WALLPLATE.
- (J) ACUITY CONTROLS #nCM-PDT-10-RJB OR EQUAL.
- (K) ACUITY CONTROLS #nCM-PDT-10-ADCX-RJB OR EQUAL.
- (L) ACUITY CONTROLS #nPODMA-WH OR EQUAL. PROVIDE A DECORATOR STYLE STAINLESS STEEL WALLPLATE.

	ELECTRICAL SYMBOLS ALL DIMENSIONS TO CENTER OF BOX, U.O.N.					
ł	3-	CIRCUIT NUMBER (3-A-38)				
ł	-A-	FIXTURE TYPE (3-A-38)				
ľ	-38	FIXTURE WATTAGE (3-A- <u>38</u>)				
ľ	$\left(\begin{array}{c} A\\ \hline 3\end{array}\right)$	HOME RUN 3/4"C - MIN. (PANEL A, CIRCUIT #3)				
	()	CONDUIT RUN IN WALL OR ATTIC (1/2°C - 2 #12 AWG THWN + 1 #12 GND)				
	()	CONDUIT RUN IN FLOOR OR UG (1/2°C - 2 #12 AWG THWN + 1 #12 GND)				
		ANY CONDUIT RUN - 1/2"C - 3 #12 AWG THWN + 1 #12 GND				
		" " - 3/4"C - 4 #12 AWG THWN + 1 #12 GND				
		" " - 3/4"C - 5 #12 AWG THWN + 1 #12 GND				
		" " - 1"C - 6 #12 AWG THWN + 1 #12 GND				
	T (CONDUIT STUB - CAPPED AND LABELED.				
	(1)	ELECTRICAL KEYNOTE #1, REFER TO NOTES ON SAME SHEET.				
	U.O.N.	UNLESS OTHERWISE NOTED				
╞	W.P.	WEATHERPROOF				
┟		TERMINAL CABINET (SIZE AS SHOWN)				
╞	₩	ELECTRICAL PANELBOARD				
┟	<u>Ф</u>	DUPLEX RECEPTACLE IN WALL (+15" MIN. TO BOTTOM OF BOX)				
, 	▲	QUADRUPLEX RECEPTACLE IN WALL (+15" MIN. TO BOTTOM OF BOX) G.F.C.I. DUPLEX RECEPTACLE IN WALL (+15" MIN. TO BOTTOM OF BOX)				
3)	 	G.F.C.I. DUPLEX RECEPTACLE IN WALL (+15 MIN. TO BOTTOM OF BOX) TWO G.F.C.I. DUPLEX RECEPTACLES IN A "COMMOM" OUTLET BOX (+15" MIN. TO BOTTOM OF BOX, U.O.N.)				
\mathbf{F}	 ല	TWO G.F.C.I. DUPLEX RECEPTACLES IN A COMMUNICUTLET BOX (#15 MIIN. TO BOTTOM OF BOX, U.O.N.) EMERGENCY LIGHT FIXTURE				
$\left \right $	Ø	EXIT LIGHT, CEILING MOUNTED				
┢	м И	WALL MOUNTED LIGHT FIXTURE (MOUNT AS SHOWN)				
ł		LIGHT FIXTURE				
5)		NETWORK CABLE – CATEGORY 5e CABLE, LENGTH AS REQUIRED				
)	DC	0-10V DIMMING CONTROL CABLE, LENGTH AS REQUIRED				
E)	•	LIGHT FIXTURE WITH "nLIGHT" EMBEDDED CONTROLS				
ľ	EM	LIGHT FIXTURE EQUIPPED WITH EMERGENCY BATTERY PACK				
Ī	\$	LIGHT SWITCH (+4'-0" MAX. TO TOP OF BOX, U.O.N.)				
F)	OD	OCCUPANCY SENSOR WALL SWITCH (DUAL TECHNOLOGY) WITH ON/OFF SWITCH AND RAISE/LOWER DIMMING CONTROL, (+4'-0" MAX. TO TOP OF BOX, U.O.N.)				
)	٥	ON/OFF SWITCH WITH RAISE/LOWER DIMMING CONTROL (+4'-0" MAX. TO TOP OF BOX, U.O.N.)				
+)	D4	ON/OFF SWITCH WITH RAISE/LOWER DIMMING CONTROL (FOUR CHANNELS) (+4'-0" MAX. TO TOP OF BOX, U.O.N.)				
J)	05	360° OCCUPANCY SENSOR (DUAL TECHNOLOGY), CEILING MOUNTED				
<)	8	360° OCCUPANCY SENSOR (DUAL TECHNOLOGY) WITH AUTOMATIC DIMMING CONTROL PHOTOCELL, CEILING MOUNTED				
_)	S	ON/OFF SWITCH (+4'-0" MAX. TO TOP OF BOX, U.O.N.)				
	0	JUNCTION BOX EQUIPPED WITH BLANK COVER				
	<u>م</u>	JUNCTION BOX EQUIPPED WITH BLANK COVER AND FLEX CONNECTION				
┟	0	MOTOR				
┟		HEAVY-DUTY FUSED SAFETY SWITCH				
┟	<u>()</u>	ADDRESSABLE SMOKE DETECTOR MOUNTED ON CEILING				
		ADDRESSABLE SMOKE/CARBON MONOXIDE DETECTOR ADDRESSABLE MONITOR MODULE				
┟		ADDRESSABLE MONITOR MODULE				
┟	RM	ADDRESSABLE RELAY MODULE				
┟	SCM	ADDRESSABLE SUPERVISED CONTROL MODULE				
-	V (75)	FIRE ALARM VISUAL STROBE, 75 CANDELA, CEILING MOUNTED				
ł	SV 15	FIRE ALARM SPEAKER/15 CANDELA VISUAL STROBE (CEILING MOUNTED)				
ł	SV 30	FIRE ALARM SPEAKER/30 CANDELA VISUAL STROBE (CEILING MOUNTED)				
ŀ	SV 75	FIRE ALARM SPEAKER/75 CANDELA VISUAL STROBE (CEILING MOUNTED)				
`	SP _{W.P.}	FIRE ALARM EXTERIOR SPEAKER IN WALL				
ľ	(P)	FIRE ALARM SPEAKER (CEILING MOUNTED)				
ľ	WF	WATERFLOW SWITCH AT FIRE SPRINKLER RISER				
ľ	TS	TAMPER SWITCH AT DOUBLE DETECTOR CHECK ASSEMBLY				
Ī	B	ELECTRIC BELL (FOR FIRE SPRINKLER RISER)				
Ī	FSD	FIRE/SMOKE DAMPER BY DIVISION 23				
	E, (E)	SUBSCRIPT DENOTES EXISTING SHALL REMAIN				
	R, (R)	SUBSCRIPT DENOTES EXISTING SHALL BE REMOVED				
ļ	-EP-	DENOTES EXISTING FEEDER, BRANCH CIRCUITING AND/OR HOMERUN SHALL REMAIN				
l	-ER-	DENOTES EXISTING FEEDER, BRANCH CIRCUITING AND/OR HOMERUN SHALL BE REMOVED				

		DIVISION OF THE STATE ARCHITECT APPLICABLE CODES AND STANDARDS
CODES:		
2022	СА	LIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2019	(20	LIFORNIA BUILDING CODE (C.B.C.), PART 2, TITLE 24 C.C.R. 218 INTERNATIONAL BUILDING CODE, VOLUMES 1 AND 2 WITH 2019 LIFORNIA AMENDMENTS)
2019		LIFORNIA ELECTRICAL CODE (C.E.C.), PART 3, TITLE 24 C.C.R. 17 NATIONAL ELECTRICAL CODE WITH 2019 CALIFORNIA AMENDMENTS)
2019		LIFORNIA MECHANICAL CODE (C.M.C.), PART 4, TITLE 24 C.C.R. 218 UNIFORM MECHANICAL CODE WITH 2019 CALIFORNIA AMENDMENTS)
2019		LIFORNIA PLUMBING CODE (C.P.C.), PART 5, TITLE 24 C.C.R. 18 UNIFORM PLUMBING CODE WITH 2019 CALIFORNIA AMENDMENTS)
2019	СА	LIFORNIA ENERGY CODE (CEnC), PART 6, TITLE 24 C.C.R.
2019		LIFORNIA FIRE CODE (C.F.C.), PART 9, TITLE 24 C.C.R. 18 INTERNATIONAL FIRE CODE WITH 2019 CALIFORNIA AMENDMENTS)
2019		LIFORNIA REFERENCED STANDARDS CODE (C.R.S.C.), PART 12, LE 24 C.C.R.
TITLE 1	9, C.	C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
STANDA	RDS	AND GUIDES:
NFPA	72 -	NATIONAL FIRE ALARM CODE, 2016 EDITION (CALIFORNIA AMENDED)
NFPA		- STANDARD FOR THE INSTALLATION OF CARBON MONOXIDE (CO) DETECTION WARNING EQUIPMENT, 2015 EDITION
ADAA	G -	AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES
UL 38 -	-	MANUAL ACTUATED SIGNALING BOXES, 2005 EDITION
UL 268	3 -	SMOKE DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2009 EDITION
UL 268	3A -	SMOKE DETECTORS FOR DUCT APPLICATIONS, 2009 EDITION
UL 464	4 -	AUDIBLE SIGNAL APPLIANCES, 2003 EDITION
UL 521	-	HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION (WITH REVISIONS THROUGH JULY 2005)
UL 864	4 -	CONTROL UNITS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 2014 EDITION





131 S. Dunworth - (559)733-2671 Visalia, California 93292-6705

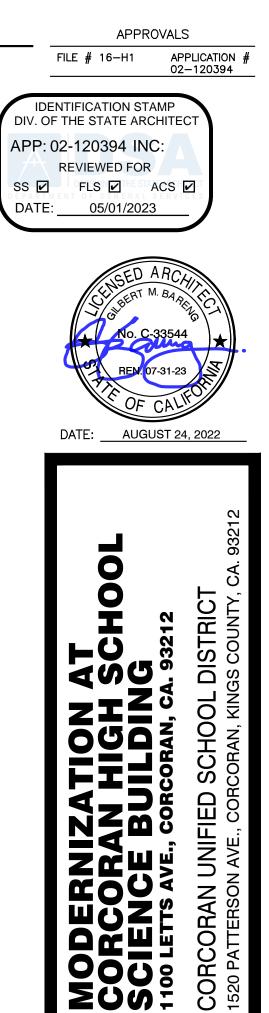
PROJECT 1751a

NTS

	FIXTURE SCHEDULE								
			FIXTURE	SYMBOL (3-A-38): 3 = C	IRCUIT NUMBER, A = FIXTURE	TYPE, 38 = F	IXTURE WATTAGE		
TYPE	WATTS	LAMPS	VOLT	MANUFACTURER	CATALOG NO.	MOUNT	NOTES		APPROX. WEIGHT #
A	38	L.E.D.	120- 277V	LITHONIA	2BLT4-48L-ADP-EZ1- LP840-N100-LATC	FLUSH T-BAR	PER #1/E5.1		21
AE	38	L.E.D.		LITHONIA	2BLT4-48L-ADP-EZ1- LP840-N100-E10WLCP- LATC	FLUSH T-BAR	PER #1/E5.1	(1)	23
В	53	L.E.D.		LITHONIA	STL4-60L-EZ1-LP840- N100	SURFACE	PER #2/E5.1		13
BE	53	L.E.D.		LITHONIA	STL4-60L-EZ1-LP840- N100-E10WLCP	SURFACE	PER #2/E5.1	(1)	15
С	27	L.E.D.		LITHONIA	STL4-30L-EZ1-LP840- N100	SURFACE	PER #2/E5.1		13
CE	27	L.E.D.		LITHONIA	STL4-30L-EZ1-LP840- N100-E10WLCP	SURFACE	PER #2/E5.1	(1)	15
D	15	L.E.D.		GOTHAM	EVO6VR-40/15-AR-LSS- MWD-PPC-MVOLT- GZ10-DNA		PER #6/E5.1		12
F	23	L.E.D.		LITHONIA	WDGE2-LED-P3SW- 40K-80CRI-VF-MV0LT- SRM-PIR	WALL +11'-6", U.O.N.			14
P	183	L.E.D.	120- 277V	LITHONIA	DSX1-LED-P7-40K-TFTM- MVOLT-RPA-PIRH-DNAXD	POLE	PER #4/E5.1		27
EL	5	L.E.D.	120- 277V	LITHONIA	AFF-OEL-DDBTXD- UVOLT-LTP-SDRT-FCT	SURFACE			4
X	2	L.E.D.	120- 277V	LITHONIA	LE-S-W-1-R-EL-N-SD	SURFACE	SINGLE FACE EXIT SIGN WITH EMERGENCY BATTERY AND SELF-DIAGNOSTICS		5

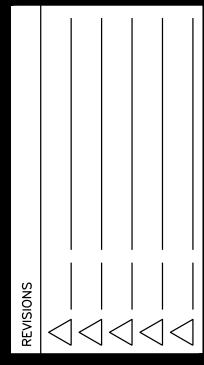
FIXTURE SCHEDULE NOTES:

(1) LIGHT FIXTURE SHALL BE EQUIPPED WITH AN EMERGENCY BATTERY PACK TO OPERATE THE L.E.D. DRIVER AT 10 WATTS OF CONSTANT POWER IN THE EMERGENCY MODE FOR A MINIMUM OF 90 MINUTES. PULL UNSWITCHED CIRCUIT TO EMERGENCY BATTERY PACK. REFER TO LIGHTING PLANS FOR EXACT LOCATIONS AND DETAIL PER #3/E5.1 FOR WIRING REQUIREMENTS.





COR(





Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth – (559)733–2671 Visalia, California 93292–6705

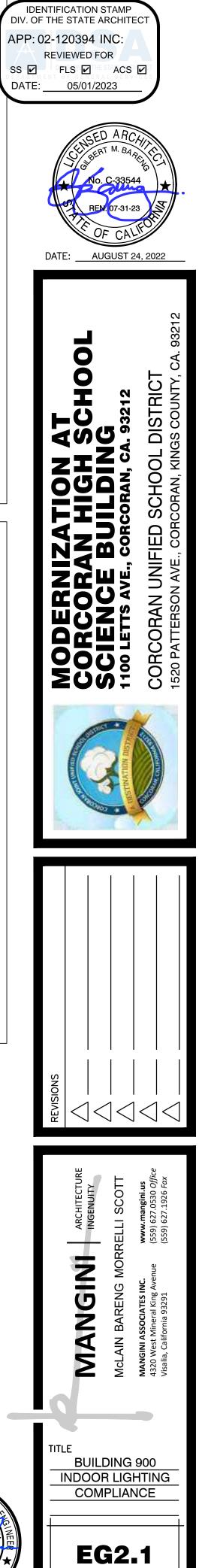
p. 6/30/23

Indoor Lighting NRCC-LTHE (Created 10/20) CERTIFICATE OF COMPLIANCE	CALIFORNIA ENERGY COMMISSION	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANCE			STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC	CE		CALIFORNIA ENERGY (
his document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §14		Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL -	\$	Page 3 of 6	Project Name: MODERNI	ZATION AT CORCORAN HIGH SCHOOL - BLDG 900	Report Page:	
escriptive path. oject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page:	Page 1 of 6	Project Address: 1100 LETTS AVE	Date Prepared:	8-24-22	Project Address: 1100 LETT	S AVE	Date Prepared:	
oject Address: 1100 LETTS AVE Date Prepare		Table Instructions: Please include lighting controls for conditioned of must be completed. The lighting controls section of the Compliance	and unconditioned spaces in this table. When an option having a * is sourmary Table on the first page will show "DOES NOT COMPLY" if	s selected, the notes section of this table the notes are left blank.	Table E. Additional Remarks	s have been made based on information provided . These documents must be provided to the buildin _compliance_documents/Nonresidential_Docume	g inspector during construction and can be	
CORCORAN 13	6,300							
Office Retail Warehouse Hotel/Motel	School Support Areas					CI-LTI-01-E - Must be submitted for all buildings		
Parking Garage High-Rise Residential Relocatable Healthcare	Other (write in):					CI-LTI-02-E - Must be submitted for a lighting continue of the second	ol system, or for an Energy Management (Control System (EMCS), to be
					l l l l l l l l l l l l l l l l l l l	ognized for compliance. CI-LTI-04-E - Must be submitted for two interlocke	d systems serving an auditorium, a conven	tion center, a conference
ble instructions: include any lighting systems that are within the scope of the permit application and are dem <u>40.6</u> or <u>§141.0(b)2</u> for alterations. WARNING: Changing the Calculation Method in this table will result in the					roo	m, a multipurpose room, or a theater to be recog	nized for compliance.	
culation method, please open a new form or use "Save As".		SCHOOL BUILDING SobbobBBilidinge Ma	inual ON/ Nual ON/OFF Dirmmaer OcccSeaseor Inbudded I OFF		NR	CI-LTI-05-E - Must be submitted for a Power Adjus CI-LTI-06-E - Must be submitted for additional wat npliance.		
New Lighting System Complete Building	6,300							
Altered Lighting System				E1.4, E1.5	Table E. Additional Remarks	s have been made based on information provided . These documents must be provided to the buildin Certification Provider (ATTCP). For more informatic	g inspector during construction and any wi	th "-A" in the form name must be com
Total Area of Work (ft ²) 6,300					Acceptance rest rectinician	centroloon Providen (APTCP). For more information	n visit. <u>http://www.energy.co.gov/titezw/</u>	uttp/providers.nom
		Table instructions: Complete the table for each area complying usin allowances per <u>§140.6(c)</u> or adjustments per <u>§140.6(a)</u> are being us		inaicate if additional lighting power		CA-LTI-02-A - Must be submitted for occupancy se	nsors and automatic time switch controls.	
ole Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions	is" refer to Table D. for guidance.					CA-LTI-03-A - Must be submitted for automatic da		
						CA-LTI-04-A - Must be submitted for demand resp CA-LTI-05-A - Must be submitted for institutional t		
			the second s			CA-ENV-03-F - Must be submitted for daylighting c		
		SCHOOL BUILDING Schoo		4,095 Image: Constraint of the state of the				l l
anditioned:								
onditioned: ≥ = ≥ conditioned: = ≥								
			: http://www.energy.ca.gov/title24/2019standards	October 2020	crebularing Energy Enciency 5	tandards - 2019 Nonresidential Compliance: <u>http://www</u>		
door Lighting		STATE OF CALIFORNIA Indoor Lighting	. IIIIp.//www.energy.ta.gov/IIIIe24/2015staliGalus		STATE OF CALIFORNIA Indoor Lighting			
door Lighting CC-LTHE (Created 10/20) RTIFICATE OF COMPLIANCE	CALIFORNIA ENERGY COMMISSION ENERGY COMMISSION ENERGY NRCC-LTI-E	Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANCE		CALIFORNIA ENERGY COMMISSION NRCC-LTI-E	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC	CÉ		CALIFORNIA ENERGY (
door Lighting :C-LTI-E (Created 10/20) RTIFICATE OF COMPLIANCE sject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page:	NRCC-LTI-E Page 2 of 6	Indoor Lighting NRCC-LTI-E (Created 10/20)		CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900	Report Page: Date Prepared:	CALIFORNIA ENERGY (
door Lighting CC-LTI-E (Created 10/20) RTIFICATE OF COMPLIANCE nject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: nject Address: 1100 LETTS AVE Date Prepare Controls Compliance (NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details)	Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANG Project Name: MODERNI Project Address: 1100 LETT	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE	Report Page: Date Prepared:	CALIFORNIA ENERGY (
door Lighting IC-LTI-E (Created 10/20) RTIFICATE OF COMPLIANCE nject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: nject Address: 1100 LETTS AVE Date Prepare	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details)	Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL -	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANG Project Name: MODERNI Project Address: 1100 LETT	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and con	Report Page: Date Prepared:	
door Lighting C-LTHE (Created 10/20) RTIFICATE OF COMPLIANCE iject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: iject Address: 1100 LETTS AVE Date Prepare Controls Compliance (Rated Power Reduction Compliance (NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details) (See Table Q for Details)	Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANG Project Name: MODERNI Project Address: 1100 LETT	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and con	Report Page: Date Prepared:	re:
door Lighting C-LTI-E (Created 10/20) RTIFICATE OF COMPLIANCE nject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: nject Address: 1100 LETTS AVE Date Prepare Controls Compliance (Rated Power Reduction Compliance (s table is auto-filled with uneditable comments because of selections made or data entered in tables through	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details) (See Table Q for Details)	Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC Project Name: MODERNIE Project Address: 1100 LETT	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and con ne: DONALD L. SING	Report Page: Date Prepared: nplete Documentation Author Signatur	e: Donald ⁸⁻²⁴ 22 GING
C-LTH-E (Created 10/20) RTIFICATE OF COMPLIANCE ject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: ject Address: 1100 LETTS AVE Date Prepare Controls Compliance (S Rated Power Reduction Compliance (S s table is auto-filled with uneditable comments because of selections made or data entered in tables through	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details) (See Table Q for Details)	Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANG Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company:	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and con ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES	Report Page: Date Prepared: pplete Documentation Author Signatur Signature Date:	e: Donald ⁸⁻²⁴ 22 GING
door Lighting C-LTHE (Created 10/20) RTIFICATE OF COMPLIANCE ject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: ject Address: 1100 LETTS AVE Date Prepare Controls Compliance (: Rated Power Reduction Compliance (: s table is auto-filled with uneditable comments because of selections made or data entered in tables through exceptional conditions apply to this project.	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details) (See Table Q for Details)	Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply This Section Does Not Apply This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANG Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following under 1. The information provider	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and con ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor	Report Page: Date Prepared: Documentation Author Signatur Signature Date: CEA/ HERS Certification Identific Phone: f California: rect.	re: DONALD⁸⁻²⁴ 22 GING cation (if applicable): (559) 733-2671 EXT. 102
door Lighting CC-TT-E (Created 10/20) RTIFICATE OF COMPLIANCE nject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: nject Address: 1100 LETTS AVE Date Prepare Controls Compliance (: Rated Power Reduction Compliance (: s table is auto-filled with uneditable comments because of selections made or data entered in tables through exceptional conditions apply to this project.	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details) (See Table Q for Details)	Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANG Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following under 1. The information provider	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and con ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to acce	Report Page: Date Prepared: Documentation Author Signatur Signature Date: CEA/ HERS Certification Identific Phone: f California: rect.	re: DONALD⁸⁻²⁴ 22 GING cation (if applicable): (559) 733-2671 EXT. 102
door Lighting CC-LTI-E (Created 10/20) RTIFICATE OF COMPLIANCE oject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: oject Address: 1100 LETTS AVE Date Prepare Controls Compliance (: Rated Power Reduction Compliance (: is table is auto-filled with uneditable comments because of selections made or data entered in tables through exceptional conditions apply to this project.	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details) (See Table Q for Details)	Indoor Lighting NRCC-LTHE (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following under 1. The information provider 2. I am eligible under Divisi Compliance (responsible 3. The energy features and	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and com ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to accer designer) performance specifications, materials, component	Report Page: Date Prepared: Documentation Author Signatur Signature Date: CEA/ HERS Certification Identific Phone: f California: rect. ept responsibility for the building design o	re: DONA CD ⁸⁻²⁴ 22 GING cation (if applicable): (559) 733-2671 EXT. 102 r system design identified on this Cert Iding design or system design identified
door Lighting CCTHE (Created 19/20) RTIFICATE OF COMPLIANCE bject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: bject Address: 1100 LETTS AVE Controls Compliance (Rated Power Reduction Compliance (is table is auto-filled with uneditable comments because of selections made or data entered in tables through exceptional conditions apply to this project. s table includes remarks made by the permit applicant to the Authority Having Jurisdiction.	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details) (See Table Q for Details)	Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply This Section Does Not Apply This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANG Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following unde 1. The information provide 2. I am eligible under Divisi Compliance (responsible 3. The energy features and Certificate of Compliance 4. The building design features of the compliance of the complian	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and com ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to accor designer) performance specifications, materials, componen- e conform to the requirements of Title 24, Part 1 is ures or system design features identified on this C worksheets, calculations, plans and specifications	Report Page: Date Prepared: Documentation Author Signature Signature Date: CEA/ HERS Certification Identified Phone: of California: rect. ept responsibility for the building design o nts, and manufactured devices for the building design o and Part 6 of the California Code of Regular certificate of Compliance are consistent with submitted to the enforcement agency for	re: DOVALD ⁸⁻²⁴ 22 GING cation (if applicable): (559) 733-2671 EXT. 102 r system design identified on this Cert Iding design or system design identified tions. Ith the information provided on other r approval with this building permit ap
Cuttle (Created 10/20) XTIFICATE OF COMPLIANCE ject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: ject Address: 1100 LETTS AVE Controls Compliance (Section Compliance (Secti	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details) (See Table Q for Details)	Indoor Lighting NRCC-LTHE (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following unde 1. The information provide 2. I am eligible under Divisi Compliance (responsible 3. The energy features and Certificate of Compliance 4. The building design feature compliance documents, 5 5. I will ensure that a comp to the enforcement agen	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and com ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to accor designer) performance specifications, materials, componen- e conform to the requirements of Title 24, Part 1 is irres or system design features identified on this C worksheets, calculations, plans and specifications leted signed copy of this Certificate of Compliance cy for all applicable inspections. I understand tha	Report Page: Date Prepared: Documentation Author Signature Signature Date: CEA/ HERS Certification Identified Phone: of California: rect. ept responsibility for the building design o nts, and manufactured devices for the building design o and Part 6 of the California Code of Regula certificate of Compliance are consistent wit submitted to the enforcement agency for e shall be made available with the building	re: DOVALD ⁸⁻²⁴ 22 GING cation (if applicable): (559) 733-2671 EXT. 102 r system design identified on this Cert iding design or system design identified ntions. ith the information provided on other r approval with this building permit ap g permit(s) issued for the building, an
door Lighting C-LTHE (Created 10/20) RTIFICATE OF COMPLIANCE ject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: Date Prepare ject Address: 1100 LETTS AVE Date Prepare Controls Compliance (Rated Power Reduction Compl	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details) (See Table Q for Details)	Indoor Lighting NRCC-LTHE (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following unde 1. The information provide 2. I am eligible under Divisi Compliance (responsible 3. The energy features and Certificate of Compliance 4. The building design feature compliance documents, 5 5. I will ensure that a comp to the enforcement agen	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and com ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to accor designer) performance specifications, materials, component e conform to the requirements of Title 24, Part 1 a rires or system design features identified on this C worksheets, calculations, plans and specifications leted signed copy of this Certificate of Compliance icy for all applicable inspections. I understand that her provides to the building owner at occupancy.	Report Page: Date Prepared: Documentation Author Signature Signature Date: CEA/ HERS Certification Identified Phone: of California: rect. ept responsibility for the building design o nts, and manufactured devices for the building design o and Part 6 of the California Code of Regula certificate of Compliance are consistent wit submitted to the enforcement agency for e shall be made available with the building	re: DOVA CD ⁸⁻²⁴ (ation (if applicable): (559) 733-2671 EXT. 102 r system design identified on this Cert ding design or system design identified ntions. Ith the information provided on other r approval with this building permit ap g permit(s) issued for the building, an ate of Compliance is required to be inc
CLITHE (Created 10/20) XTIFICATE OF COMPLIANCE ject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: ject Address: 1100 LETTS AVE Date Prepare Controls Compliance (Rated Power Reduction Compliance (stable is auto-filled with uneditable comments because of selections made or data entered in tables through exceptional conditions apply to this project. stable includes remarks made by the permit applicant to the Authority Having Jurisdiction. stable includes remarks made by the permit applicant to the Authority Having Jurisdiction. V/AE L.E.D SURFACE TROFFER, 4,800L 38 Mfr. Spec ²	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details) (See Table Q for Details)	Indoor Lighting NRCC-LTHE (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following under 1. The information provide 2. I am eligible under Divisi Compliance (responsible 3. The energy features and Certificate of Compliance 4. The building design featu compliance documents, to 5. I will ensure that a comp to the enforcement agen documentation the build	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and com ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to accor designer) performance specifications, materials, component e conform to the requirements of Title 24, Part 1 a rires or system design features identified on this C worksheets, calculations, plans and specifications leted signed copy of this Certificate of Compliance icy for all applicable inspections. I understand that her provides to the building owner at occupancy.	Report Page: Date Prepared: Documentation Author Signature Signature Date: CEA/ HERS Certification Identified Phone: of California: rect. ept responsibility for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o hts, and manufactured devices for the building design o	re: DOVA CD ⁸⁻²⁴ (22 GNG cation (if applicable): (559) 733-2671 EXT. 102 r system design identified on this Cert lding design or system design identified attons. Ith the information provided on other r approval with this building permit approval with the building permit approval with the building permit approval with this building permit approval with this building permit approval with this building permit approval with the building
CLTHE (Created 10/20) RTIFICATE OF COMPLIANCE ject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: ject Address: 1100 LETTS AVE Date Prepare Controls Compliance (Rated Power Reduction Compliance (stable is auto-filled with uneditable comments because of selections made or data entered in tables through exceptional conditions apply to this project. stable includes remarks made by the permit applicant to the Authority Having Jurisdiction. ole Instructions: Include all permanent designed lighting and all portable lighting in offices. AMF. Spec ² A/AE LE.D SURFACE TROFFER, 4,800L 38 Mfr. Spec ² 3/BE L.E.D SURFACE, 6,000L 53 Mfr. Spec ²	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details) (See Table Q for Details)	Indoor Lighting NRCC-LTFE (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following unde 1. The information provide 2. I am eligible under Divisi Compliance (responsible 3. The energy features and Certificate of Compliance 4. The building design features compliance documents, 5 5. I will ensure that a comp to the enforcement agen documentation the build Responsible Designer Name	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and com ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to accor designer) performance specifications, materials, component e conform to the requirements of Title 24, Part 1 a trues or system design features identified on this C worksheets, calculations, plans and specifications leted signed copy of this Certificate of Compliance cy for all applicable inspections. I understand that ler provides to the building owner at occupancy. : STEVEN EASTHAM	Report Page: Date Prepared: Documentation Author Signature Signature Date: CEA/ HERS Certification Identified Phone: of California: rect. ept responsibility for the building design of the california Code of Regular to the california Code of Regular to the enforcement agency for eshall be made available with the building to the california to complete to the enforcement agency for the submitted to the enforcement agency for the submitted signed copy of this Certification to the california to complete to signed copy of the certification to the certification the submitted to the enforcement agency for the submitted to the enforceme	re: DOVA CD ⁸⁻²⁴ (ation (if applicable): (559) 733-2671 EXT. 102 r system design identified on this Cert ding design or system design identified ntions. Ith the information provided on other r approval with this building permit ap g permit(s) issued for the building, an ate of Compliance is required to be inc
Count Lighting SC-TIFE (Created 10/20) RTIFICATE OF COMPLIANCE oject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: oject Address: 1100 LETTS AVE Controls Compliance (Rated Power Reduction Compliance (is table is auto-filled with uneditable comments because of selections made or data entered in tables through exceptional conditions apply to this project. is table includes remarks made by the permit applicant to the Authority Having Jurisdiction. ble Instructions: Include all permanent designed lighting and all portable lighting in offices. A/AE L.E.D SURFACE TROFFER, 4,800L 38 Mfr. Spec ² B/BE L.E.D SURFACE, 6,000L 53 Mfr. Spec ² C/CE L.E.D SURFACE, 3,000L 27 Mfr. Spec ²	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table H for Details) (See Table Q for Details)	Indoor Lighting NRCC-LTHE (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following under 1. The information provide 2. I am eligible under Divisi Compliance (responsible 3. The energy features and Certificate of Compliance 4. The building design featu compliance documents, v 5. I will ensure that a comp to the enforcement agen documentation the build Responsible Designer Name Company :	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and com ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to accor designer) performance specifications, materials, component e conform to the requirements of Title 24, Part 1 a irres or system design features identified on this C worksheets, calculations, plans and specifications leted signed copy of this Certificate of Compliance cy for all applicable inspections. I understand that ler provides to the building owner at occupancy. : STEVEN EASTHAM ROSE SING EASTHAM & ASSOCIATES	Report Page: Date Prepared: Documentation Author Signature Signature Date: CEA/ HERS Certification Identified Phone: of California: rect. ept responsibility for the building design o and Part 6 of the California Code of Regula certificate of Compliance are consistent will submitted to the enforcement agency for e shall be made available with the building t a completed signed copy of this Certification Responsible Designer Signature Date Signed:	re: DOVA CD ⁸⁻²⁴ (22 GNG (16 applicable): (559) 733-2671 EXT. 102 r system design identified on this Cert Iding design or system design identified it the information provided on other r approval with this building permit ap g permit(s) issued for the building, an ate of Compliance is required to be incompliance : Market 22 Market 22 Ma
door Lighting CC-UTH (Created 10/20) IRTIFICATE OF COMPLIANCE oject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: Date Prepare Controls Compliance (Rated Power Reduction Compliance (Rated Power	NRCC-LTI-E ed: Page 2 of 6 ed: 8-24-22 (See Table Q for Details) shout the form. whout the form. 80 7 8 7 8 9 8 9 9 9 9	Indoor Lighting NRCC-LTFE (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following unde 1. The information provide 2. I am eligible under Divisi Compliance (responsible 3. The energy features and Certificate of Compliance 4. The building design features compliance documents, 5 5. I will ensure that a comp to the enforcement agen documentation the build Responsible Designer Name Company : Address:	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and com ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to accor designer) performance specifications, materials, componen- e conform to the requirements of Title 24, Part 1 a ures or system design features identified on this C worksheets, calculations, plans and specifications leted signed copy of this Certificate of Compliance try for all applicable inspections. I understand that ler provides to the building owner at occupancy. : STEVEN EASTHAM ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET	Report Page: Date Prepared: Documentation Author Signature Signature Date: CEA/ HERS Certification Identified Phone: of California: rect. ept responsibility for the building design of the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of R	re: DOVA CD ⁸⁻²⁴ (22 GING cation (if applicable): (559) 733-2671 EXT. 102 r system design identified on this Cert lding design or system design identified ntions. Ith the information provided on other r approval with this building permit ap g permit(s) issued for the building, an ate of Compliance is required to be inc Maga22 E18786
door Lighting CX-TFE (Created 10/20) RTIFICATE OF COMPLIANCE oject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: oject Address: 1100 LETTS AVE Date Prepare Controls Compliance (Rated Power Reduction Compliance (Rated Power Reduction Compliance (is table is auto-filled with uneditable comments because of selections made or data entered in tables through exceptional conditions apply to this project. is table includes remarks made by the permit opplicant to the Authority Having Jurisdiction. ble Instructions: Include all permanent designed lighting and all portable lighting in offices. A/AE A/AE A/AE LE.D SURFACE TROFFER, 4,800L 38 Mfr. Spec ² Fotal Design B/BE L.E.D SURFACE TROFFER, 4,800L 38 Mfr. Spec ² Fotal Design OUTRACE, 6,000L 38 Mfr. Spec ² Cotal Design	NRCC-LTI-E Page 2 of 6 ed: 80 80 7 8 80 7 8 9 3 9 3 9 3 9 10 10 10	Indoor Lighting NRCC-LTFE (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL- Project Address: 1100 LETTS AVE This Section Does Not Apply This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following unde 1. The information provide 2. I am eligible under Divisi Compliance (responsible 3. The energy features and Certificate of Compliance 4. The building design features compliance documents, 5 5. I will ensure that a comp to the enforcement agen documentation the build Responsible Designer Name Company : Address:	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and com ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to accor designer) performance specifications, materials, componen- e conform to the requirements of Title 24, Part 1 a ures or system design features identified on this C worksheets, calculations, plans and specifications leted signed copy of this Certificate of Compliance try for all applicable inspections. I understand that ler provides to the building owner at occupancy. : STEVEN EASTHAM ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET	Report Page: Date Prepared: Documentation Author Signature Signature Date: CEA/ HERS Certification Identified Phone: of California: rect. ept responsibility for the building design of the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of R	re: DOVA CD ⁸⁻²⁴ (22 GING cation (if applicable): (559) 733-2671 EXT. 102 r system design identified on this Cert lding design or system design identified ntions. Ith the information provided on other r approval with this building permit ap g permit(s) issued for the building, an ate of Compliance is required to be inc Maga22 E18786
door Lighting CC-LTR E (created 10/20) Report Page: joject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: Date Prepare oject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: Date Prepare Controls Compliance { Rated Power Reduction Compliance { exceptional conditions apply to this project. is table is auto-filled with uneditable comments because of selections made or data entered in tables through o exceptional conditions apply to this project. is table includes remarks made by the permit applicant to the Authority Having Jurisdiction. is table includes remarks made by the permit applicant to the Authority Having Jurisdiction. when LE.D SURFACE TROFFER, 4,800L 38 Mfr. Spec ² B/BE L.E.D SURFACE, 6,000L 33 Mfr. Spec ² C/CE LE.D SURFACE, 3,000L 33 Mfr. Spec ² Total Designe 27 Mfr. Spec ² OOTNOTF: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)AB is a akes this adjustment, the permit applicant should enter full rated wattage in column 05. Suthority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §1 minaire, not the lamp.	NRCC-LTI-E Page 2 of 6 ed: 80 80 7 8 80 7 8 9 3 9 3 9 3 9 10 10 10	Indoor Lighting NRCC-TT-F (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - Project Address: 1100 LETTS AVE This Section Does Not Apply This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following unde 1. The information provide 2. I am eligible under Divisi Compliance (responsible 3. The energy features and Certificate of Compliance 4. The building design features compliance documents, 5 5. I will ensure that a comp to the enforcement agen documentation the build Responsible Designer Name Company : Address:	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and com ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to accor designer) performance specifications, materials, componen- e conform to the requirements of Title 24, Part 1 a ures or system design features identified on this C worksheets, calculations, plans and specifications leted signed copy of this Certificate of Compliance try for all applicable inspections. I understand that ler provides to the building owner at occupancy. : STEVEN EASTHAM ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET	Report Page: Date Prepared: Documentation Author Signature Signature Date: CEA/ HERS Certification Identified Phone: of California: rect. ept responsibility for the building design of the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of R	re: DOVA CD ⁸⁻²⁴ (22 GING cation (if applicable): (559) 733-2671 EXT. 102 r system design identified on this Cert lding design or system design identified ntions. Ith the information provided on other r approval with this building permit ap g permit(s) issued for the building, an ate of Compliance is required to be inc Maga22 E18786
door Lighting C-LTHE (Created 10/20) RTIFICATE OF COMPLIANCE ject Name: MODERNIZATION AT CORCORAN HIGH SCHOOL - BLDG 900 Report Page: ject Address: 1100 LETTS AVE Date Prepare Controls Compliance { Rated Power Reduction Compliance { Rated Power Reduction Compliance { receptional conditions apply to this project. is table is auto-filled with uneditable comments because of selections made or data entered in tables through exceptional conditions apply to this project. is table includes remarks made by the permit applicant to the Authority Having Jurisdiction. ble Instructions: Include all permanent designed lighting and all portable lighting in offices. A/AE LE.D SURFACE TROFFER, 4,800L B/BE LE.D SURFACE, 6,000L B/BE LE.D SURFACE, 3,000L C/CCE LE.D SURFACE, 3,000L DOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)AB is a ukes this adjustment, the permit applicant should enter full rated wattage in column 05. uthority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §1 innaire, not the lamp.	NRCC-LTI-E Page 2 of 6 ed: 80 80 7 8 80 7 8 9 3 9 3 9 3 9 10 10 10	Indoor Lighting NRCC-LTFE (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL- Project Address: 1100 LETTS AVE This Section Does Not Apply This Section Does Not Apply	BLDG 900 Report Page:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANC Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following unde 1. The information provide 2. I am eligible under Divisi Compliance (responsible 3. The energy features and Certificate of Compliance 4. The building design features compliance documents, 5 5. I will ensure that a comp to the enforcement agen documentation the build Responsible Designer Name Company : Address:	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and com ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to accor designer) performance specifications, materials, componen- e conform to the requirements of Title 24, Part 1 a ures or system design features identified on this C worksheets, calculations, plans and specifications leted signed copy of this Certificate of Compliance try for all applicable inspections. I understand that ler provides to the building owner at occupancy. : STEVEN EASTHAM ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET	Report Page: Date Prepared: Documentation Author Signature Signature Date: CEA/ HERS Certification Identified Phone: of California: rect. ept responsibility for the building design of the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with submitted to the enforcement agency for e shall be made available with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the building tagency for the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificate of Compliance are consistent with the california Code of Regular tertificat	re: DOVA CD ⁸⁻²⁴ (22 GING cation (if applicable): (559) 733-2671 EXT. 102 r system design identified on this Cert lding design or system design identified ntions. Ith the information provided on other r approval with this building permit ap g permit(s) issued for the building, an ate of Compliance is required to be inc Maga22 E18786
oject Address: 1100 LETTS AVE Date Prepare Controls Compliance (Rated Power Reduction Compliance (sis table is auto-filled with uneditable comments because of selections made or data entered in tables through the exceptional conditions apply to this project. is table includes remarks made by the permit applicant to the Authority Having Jurisdiction. is table includes remarks made by the permit applicant to the Authority Having Jurisdiction. A/AE L.E.D SURFACE TROFFER, 4,800L B/BE L.E.D SURFACE, 6,000L S3 Mfr. Spec ² C/CE L.E.D SURFACE, 3,000L	NRCC-LTI-E Page 2 of 6 ed: 8-24-22 (See Table Q for Details) (See Table Q for Details) whout the form. 80 7 80 7 80 7 80 7 80 7 80 7 8 9 9 9 9 9 130.0/c] Wattage used must be the maximum rated for the	Indoor Lighting NRCC-LTFE (Created 10/20) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL- Project Address: 1100 LETTS AVE This Section Does Not Apply This Section Does Not Apply	BLDG 900 Report Page: Date Prepared: Date Prepared:	CALIFORNIA ENERGY COMMISSION NRCC-LTI-E Page 4 of 6	STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 10/20) CERTIFICATE OF COMPLIANG Project Name: MODERNI Project Address: 1100 LETT I certify that this Certificate Documentation Author Nam Company: Address: City/State/Zip: RESPONSIBLE PERSON'S DE I certify the following under 1. The information provide 2. I am eligible under Divisi Compliance (responsible 3. The energy features and Certificate of Compliance 4. The building design features 5. I will ensure that a comp to the enforcement agent documentation the build Responsible Designer Name Company : Address: City/State/Zip:	CE ZATION AT CORCORAN HIGH SCHOOL - BLDG 900 S AVE of Compliance documentation is accurate and com ne: DONALD L. SING ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET VISALIA, CA 93292-6705 CLARATION STATEMENT r penalty of perjury, under the laws of the State of d on this Certificate of Compliance is true and cor on 3 of the Business and Professions Code to accor designer) performance specifications, materials, componen- e conform to the requirements of Title 24, Part 1 a ures or system design features identified on this C worksheets, calculations, plans and specifications leted signed copy of this Certificate of Compliance try for all applicable inspections. I understand that ler provides to the building owner at occupancy. : STEVEN EASTHAM ROSE SING EASTHAM & ASSOCIATES 131 SOUTH DUNWORTH STREET	Report Page: Date Prepared: Documentation Author Signature Signature Date: CEA/ HERS Certification Identified Phone: of California: rect. ept responsibility for the building design o nts, and manufactured devices for the building design o nts, and manufactured devices for the building design o nts, and manufactured devices for the building design o nts, and manufactured devices for the building design o nts, and manufactured devices for the building design o nts, and manufactured devices for the building design o nts, and manufactured devices for the building design o nts, and manufactured devices for the building design o nts, and manufactured devices for the building design o nts, and manufactured devices for the building design o nts, and manufactured devices for the building design o estall be made available with the building design o generative pate Signed: License: Phone:	re: DOVA CD ⁸⁻²⁴ (22 GING cation (if applicable): (559) 733-2671 EXT. 102 r system design identified on this Cert lding design or system design identified ntions. Ith the information provided on other r approval with this building permit ap g permit(s) issued for the building, an ate of Compliance is required to be inc Maga22 E18786

Table Inst	ructions: Include all permanent design	ed lighting and	l all portable ligh	ting in offices.				
		_		1			_	
A/AE	L.E.D SURFACE TROFFER, 4,800L			38	Mfr. Spec ²	80		
B/BE	L.E.D SURFACE, 6,000L			53	Mfr. Spec ²	7		
C/CE	L.E.D SURFACE, 3,000L			27	Mfr. Spec ²	8		
	· · ·		•	•	Total Designed	Watts CONDIT	IONED SPACES:	3,62
¹ FOOTNO	TE: Design Watts for small aperture a	nd color chanai	ina luminaires wi	hich aualify pe	r §140.6(a)4B is ad	liusted to be 75%	6 of their rated w	attaae. 1
	s adjustment, the permit applicant sho	-	-		<u></u>			-
	y Having Jurisdiction may ask for Lumi	•			compliance per <u>§13</u>	<u>30.0(c)</u> Wattage	used must be the	maximu
luminaire,	not the lamp.		-					
_								

77	hic	Sei	rtion	Does	Not	Anr
				_	_	_

NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	
NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	
NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).	



APPROVALS

FILE # 16-H1 APPLICATION # 02-120394

Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth – (559)733–2671 Visalia, California 93292–6705



. PROJECT **1751a**

ifting/Jobs/RECSCHOOLS/Corcoran/High School/Mod'n of Science Bldg 900 - MM 17510/EG2.2.dwg DATE SAVED: 08/12/22 BY: Nicole DATE PLOTTED: 04/12/23 JOB #: 21-182.01-DS

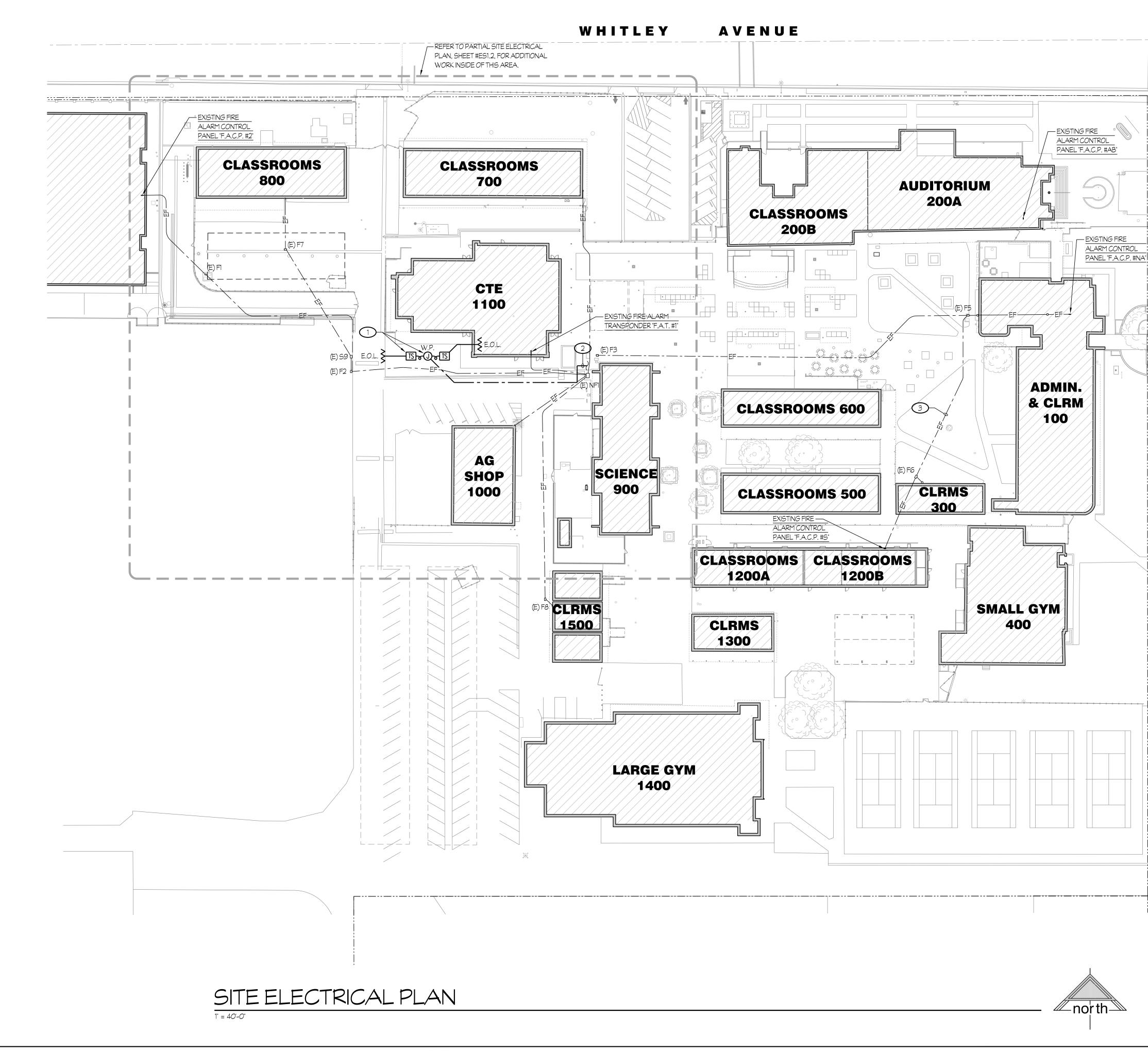
F CALIFORNIA	STATE OF CALIFORNIA	FILE # 16-H1 APPLICA 02-120
rical Power Distribution C-E (Created 01/20) ICATE OF COMPLIANCE NRCC-ELC-E	Electrical Power Distribution California Energy commission NRCC-ELC-E (Created 01/20) California Energy commission CERTIFICATE OF COMPLIANCE NRCC-ELC-E	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
cument is used to demonstrate compliance with mandatory requirements in <u>\$130.5</u> for electrical systems in newly constructed nonresidential, high-rise residential and notel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per <u>\$141.0(a)</u> or <u>(b)2P</u> for alterations.	Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL Report Page: Page 3 of 4 Project Address: 1100 LETTS AVE Date Prepared: 8-24-22	APP: 02-120394 INC: REVIEWED FOR
Name: MODERNIZATION AT CORCORAN HIGH SCHOOL Report Page: Page 1 of 4 Address: 1100 LETTS AVE Date Prepared: 8-24-22	Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://ww2.eneray.ca.gov/	SS 🗹 FLS 🗹 ACS 🗹 DATE: <u>05/01/2023</u>
CORCORAN Gice Retail Warehouse Hotel/Motel School Support Areas	title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/	ED APO
rking Garage High-Rise Residential Relocatable Healthcare Facilities Other (Write In):	NRCI-ELC-01-E - Must be submitted for all buildings.	CHI BERT M. BARE
01 02 03 04 05	There are no Certificates of Acceptance applicable to electrical power distribution requirements.	No. C-33544
Electrical Service Scope of Work ¹ Rating Metering Electron Utility System Where required, demand response controls must be specified which are capable of receiving and Designation/ Scope of Work ¹ Rating Metering Elec Code automatically responding to at least one		REM. 07-31-23
Description (kVA) System Article 517 standards based messaging protocol which enables demand response after receiving a §130.5(a) ²		DATE: AUGUST 24, 202
TING MAIN SWBD "MSB"		
NOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c), no other requirements from 130.5 are required. cable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.		
nstructions: If this table says "DOES NOT COMPLY" refer to Table D. for guidance and review the Table that indicates "No".		ō
		H H H
AND		
Jing Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020	
CALIFORNIA	STATE OF CALIFORNIA	
rical Power Distribution CE (Created 01/20) CALIFORNIA ENERGY COMMISSION CATE OF COMPLIANCE NRCC-ELC-E	Electrical Power Distribution California Energy COMMISSION NRCC-ELC-E (Created 01/20) California Energy COMMISSION CERTIFICATE OF COMPLIANCE NRCC-ELC-E	
Name: MODERNIZATION AT CORCORAN HIGH SCHOOL Report Page: Page 2 of 4 Address: 1100 LETTS AVE Date Prepared; 8-24-22	Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL Report Page: Page 4 of 4 Project Address: 1100 LETTS AVE Date Prepared; 8-24-22	
le is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.	I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Name: DONALD L. SING Documentation Author Signature:	
indicates the project is exempt from §130.5(a) Service Electrical Metering requirements because the utility company has provided the project a metering system that s instantaneous kW demand and kWh for a utility-definied period.	Company: ROSE SING EASTHAM & ASSOCIATES Signature Date: DOLA LD 8-24/22 ONA LD 1 Address: 131 SOUTH DUNWORTH STREET CEA/ HERS Certification Identification (if applicable):	
le includes remarks made by the permit applicant to the Authority Having Jurisdiction.	City/State/Zip: VISALIA, CA 93292-6705 Phone: (559) 733-2671 EXT. 102 RESPONSIBLE PERSON'S DECLARATION STATEMENT Example of the state of the s	SON: S
	I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance to accept responsibility for the building design or system design identified on this Certificate of	
ction Does Not Apply	Compliance (responsible designer) 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The heilding design content of the requirements identified on this Certificate of Compliance conform to the requirements of the California Code of Regulations.	
ction Does Not Apply	 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency of this Certificate of Compliance is required to be included with the 	
nstructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both s and branch circuits to demonstrate compliance with <u>§130.5(c)</u> . For alterations, only the altered circuits must demonstrate compliance per <u>§141.0(b)2Piii</u> .	documentation the builder provides to the building owner at occupancy. Responsible Designer Name: STEVEN EASTHAM Responsible Designer Signature:	
	Company : ROSE SING EASTHAM & ASSOCIATES Date Signed: 94472 Address: 131 SOUTH DUNWORTH STREET License: E18786 City/State/Zip: VISALIA, CA 93292-6705 Phone: (559) 733-2671 EXT. 101	
Voltage drop < 5%		
NOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select hed" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".		
ction Does Not Apply		
ling Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020	
		L URE
		ARCHITECTURE INGENUITY LI SCOTT
		G MOR
		TITLE
		ELECTRICAL POWER
	PROFESSION	ELECTRICAL POWER DISTRIBUTION
	PROFESSION RED THE KIRK EA	ELECTRICAL POWER DISTRIBUTION COMPLIANCE
	Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth - (559)733-2671	ELECTRICAL POWER DISTRIBUTION

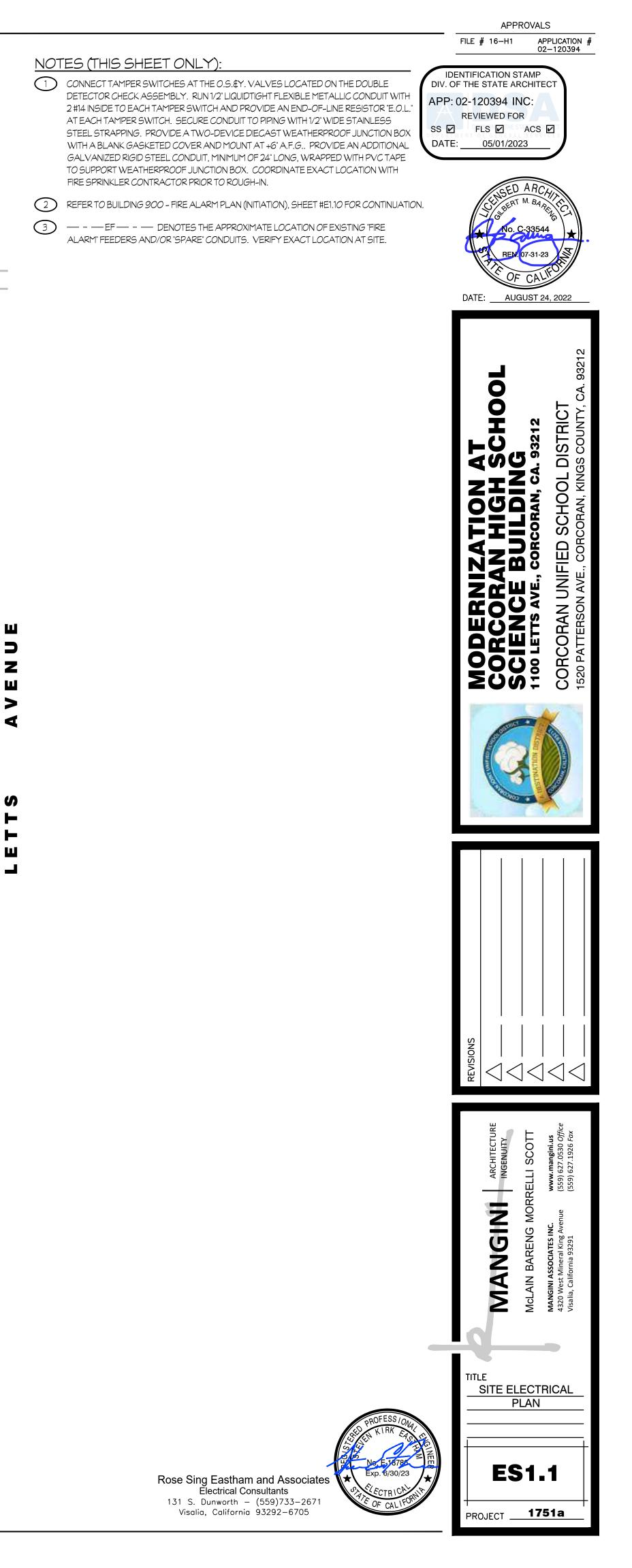
APPROVALS

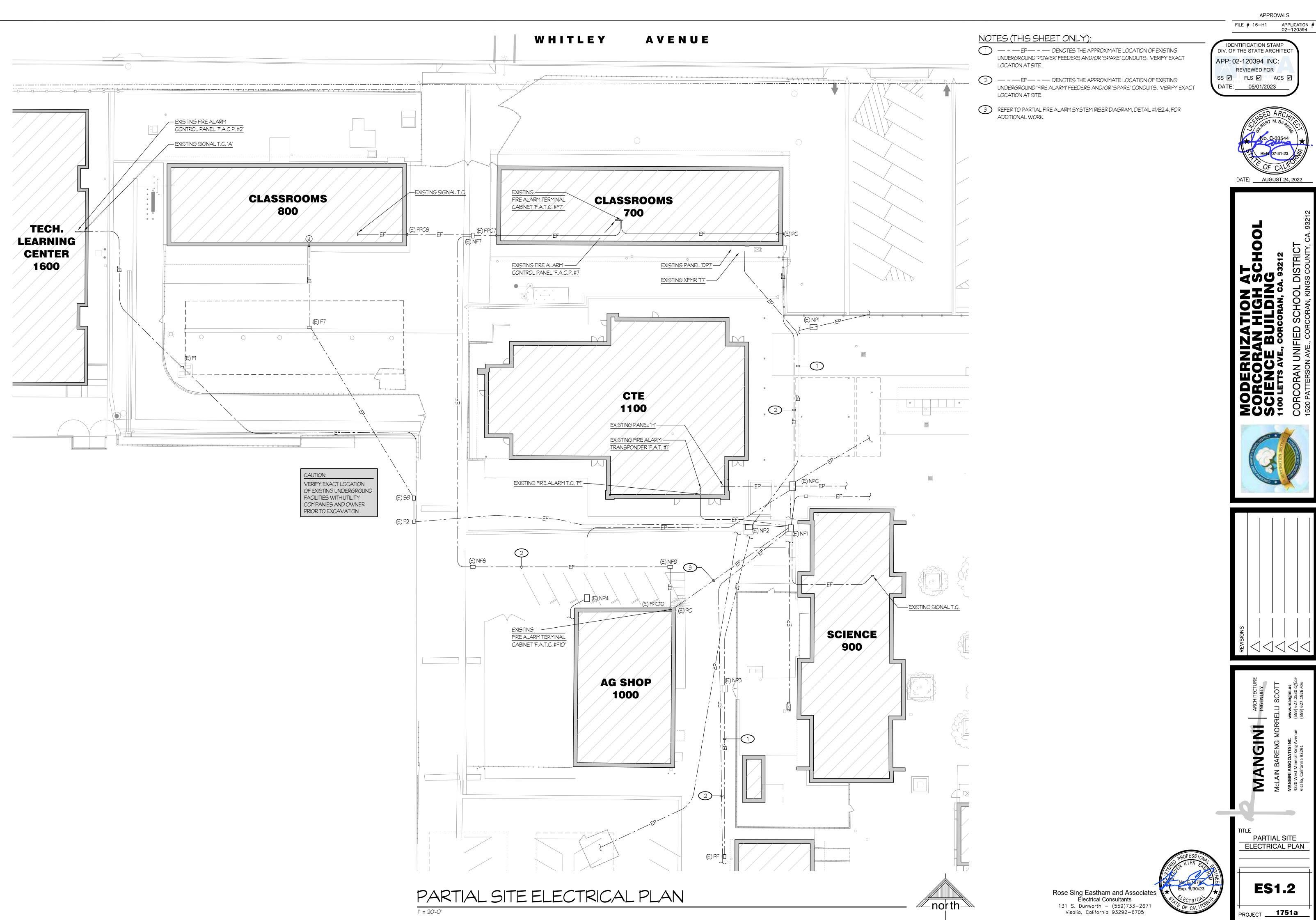
STATE OF CALIFORNIA	STATE OF CALIFORNIA	STATE OF CALIFORNIA	FILE # 16-H1
STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E (Created 01/21) CERTIFICATE OF COMPLIANCE This document is used to demonstrate compliance with requirements in \$110.9, \$130.0, \$130.2, \$140.7, and \$141.0(b)2L for outdoor lighting scopes using the prescriptive path.	State of California Outdoor Lighting NRCC-LTO-E (Created 01/21) CERTIFICATE OF COMPLIANCE Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL Report Page: Page 3 of 6	Outdoor Lighting NRCC-LTO-E (Created 01/21) CERTIFICATE OF COMPLIANCE NRCC-LTO-E	IDENTIFICATION S DIV. OF THE STATE A APP: 02-120394
Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL Report Page: Page 1 of 6 Project Address: 1100 LETTS AVE Date Prepared: 8-24-22	Project Address: 1100 LETTS AVE Date Prepared: 8-24-22 ¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per <u>§130.0(c)</u> 8-24-22 ² For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of	Project Address: 1100 LETTS AVE Date Prepared: 8-24-22	REVIEWED FO
CORCORAN 674	luminaires. ³ Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are	Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.eneray.ca.aov/	DATE: 05/01/20
LZ-0: Very Low - Undeveloped Parkland LZ-2: Moderate - Rural Areas LZ-4: High - Must be reviewed by CA Energy Commission for Approval LZ-1: Low - Developed Parkland LZ-3: Moderately High - Urban Areas	being removed and reinstalled as part of the project scope This Continue Described Apple	Image: NRCI-LTO-01-E - Must be submitted for all buildings.	CHISEL
Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path autlined in §140.7 or §141.0(b)2L for alterations.	This Section Does Not Apply Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For	NRCI-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	No.
New Lighting System Must Comply with Allowances from §140.7. Altered Lighting System Is your alteration increasing the connected lighting load (Watts)?	alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will	Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <u>http://www.energy.ca.gov/title24/attcp/providers.html</u>	REN
¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100	show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.		DATE: AU
Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.		INRCA-LIO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to \$ 20	
	SERVICE YARD Photocontrol Yes Yes BUILDING OVERHANG Photocontrol Yes Yes		
			8
+ + + + OR = ≥	Table Continued		L Ž
			AT SO
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2021	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2021	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2021	
			ĒĒ
STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E (Created 01/21) CERTIFICATE OF COMPLIANCE NRCC-LTO-E	STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E (Created 01/21) CERTIFICATE OF COMPLIANCE NRCC-LTO-E	STATE OF CALIFORNIA Outdoor Lighting NRCC-LTO-E (Created 01/21) CERTIFICATE OF COMPLIANCE NRCC-LTO-E	AN AN
Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL Report Page: Page 2 of 6 Project Address: 1100 LETTS AVE Date Prepared: 8-24-22	Project Name:MODERNIZATION AT CORCORAN HIGH SCHOOLReport Page:Page 4 of 6Project Address:1100 LETTS AVEDate Prepared;8-24-22	Project Name: MODERNIZATION AT CORCORAN HIGH SCHOOL Report Page: Page 6 of 6 Project Address: 1100 LETTS AVE Date Prepared; 8-24-22	NR NR
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form. Total Hardscape Area in Table A does not match the areas entered in Table I. Please review for compliance.	Table Continued Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lost it" Allowances are per General	I certify that this Certificate of Compliance documentation is accurate and complete Documentation Author Name: DONALD L. SING Documentation Author Signature:	Ш С Ш
A luminaire in Table F may be required to comply with Cutoff Requirements, but nothing has been selected in Table F. Column 09.	Table 140.7-B. Indicate which allowances are being used to Hardscape expand sections for user input. Luminaires that qualify for one of Allowance the "Use it or lose it" allowances shall not qualify for another "Use Hardscape	Company: ROSE SING EASTHAM & ASSOCIATES Signature Date: DUA LD 8-24-22 GING Address: 131 SOUTH DUNWORTH STREET CEA/ HERS Certification Identification (if applicable): CEA/ HERS Certification Identification (if applicable):	
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.	it or lose it" allowance.	City/State/Zip: VISALIA, CA 93292-6705 Phone: (559) 733-2671 EXT. 102 RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California: I certify the following under penalty of perjury, under the laws of the State of California:	
Table Instructions: For new or altered lighting systems demonstrating compliance with <u>\$140.7</u> (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power	SERVICE YARD Concrete 400 0.03 12 80 0.4 32 44	 The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this 	C
method per <u>§141.0(b)21</u> (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).	BUILDING OVERHANG Concrete 4,000 0.03 120 400 0.4 160 280 Initial Wattage Allowance for Entire Site (Watts):	Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.	
	Total General Hardscape Allowance (Watts): 674	5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. Responsible Designer Name: STEVEN EASTHAM Responsible Designer Signature: Image: Compliance Steven	
D L.E.D. DOWNLIGHT Linear Mfr. Spec ¹ 16 New	This Section Does Not Apply	Company : ROSE SING EASTHAM & ASSOCIATES Date Signed: Address: 131 SOUTH DUNWORTH STREET License: E18786	
F L.E.D. WALL MTD Linear Mfr. Spec ¹ 4 New Image: Constraint of the specific state of the specific	This Section Does Not Apply This Section Does Not Apply	City/State/Zip: VISALIA, CA 93292-6705 Phone: (559) 733-2671 EXT. 101	
	This Section Does Not Apply		
	This Section Does Not Apply		
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2021	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2021	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/tftle24/2019standards January 2021	
			SIONS
			REVI
			- ω
			HITECTUR
			ARCI
			Z
			2
			-9-
			TITLE O
		PROFESS/044	
		Rose Sing Eastham and Associates	
		131 S. Dunworth – (559)733–2671 Visalia, California 93292–6705	+ PROJECT

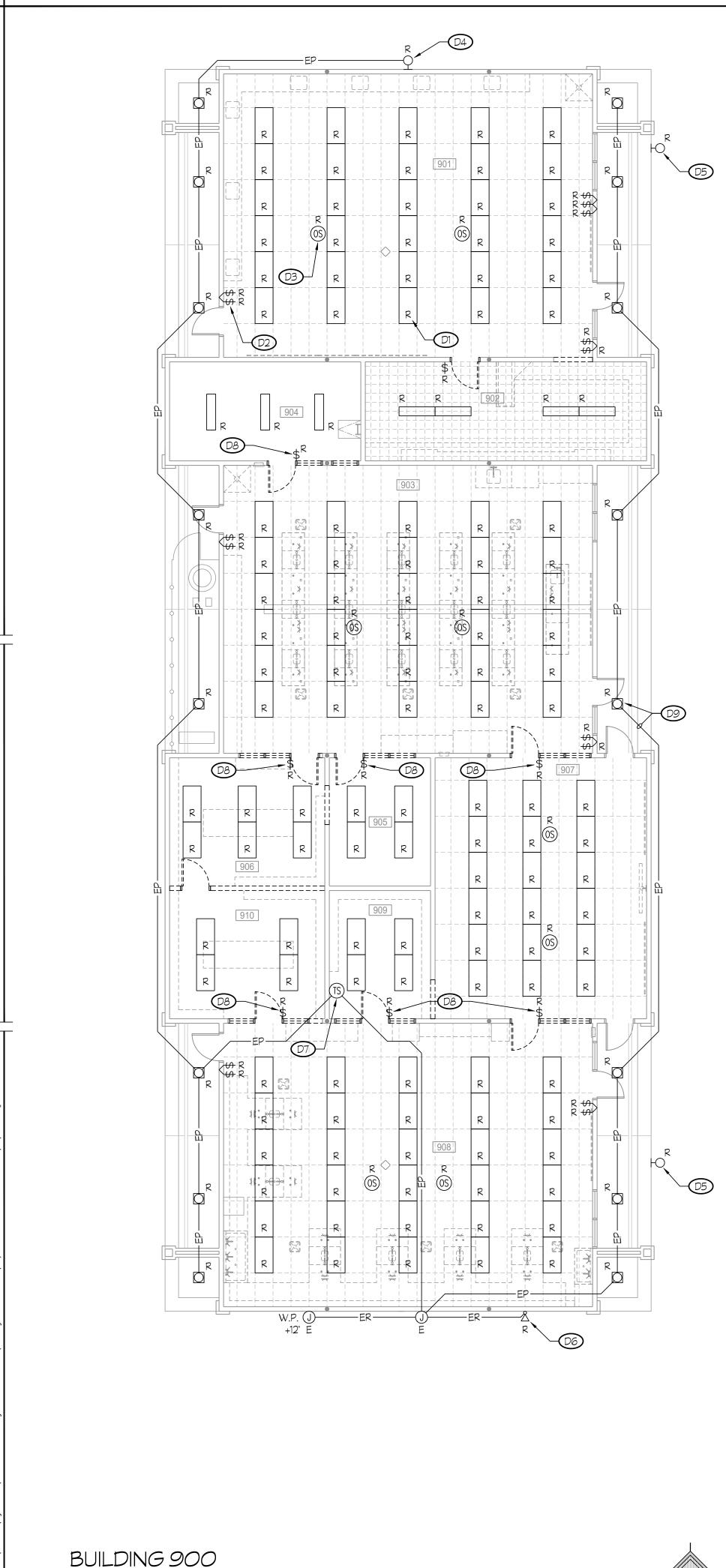
APPROVALS

aftina/Jobs/RSE/SCHOOLS/Corcoran/High School/Mod'n of Science Bida. 900 - MM 1751a/EG2.3.dwa DATE SWED: 08/16/22 BY: Nicole DATE PLOTTED: 04/12/23 JOB #: 21-182.01







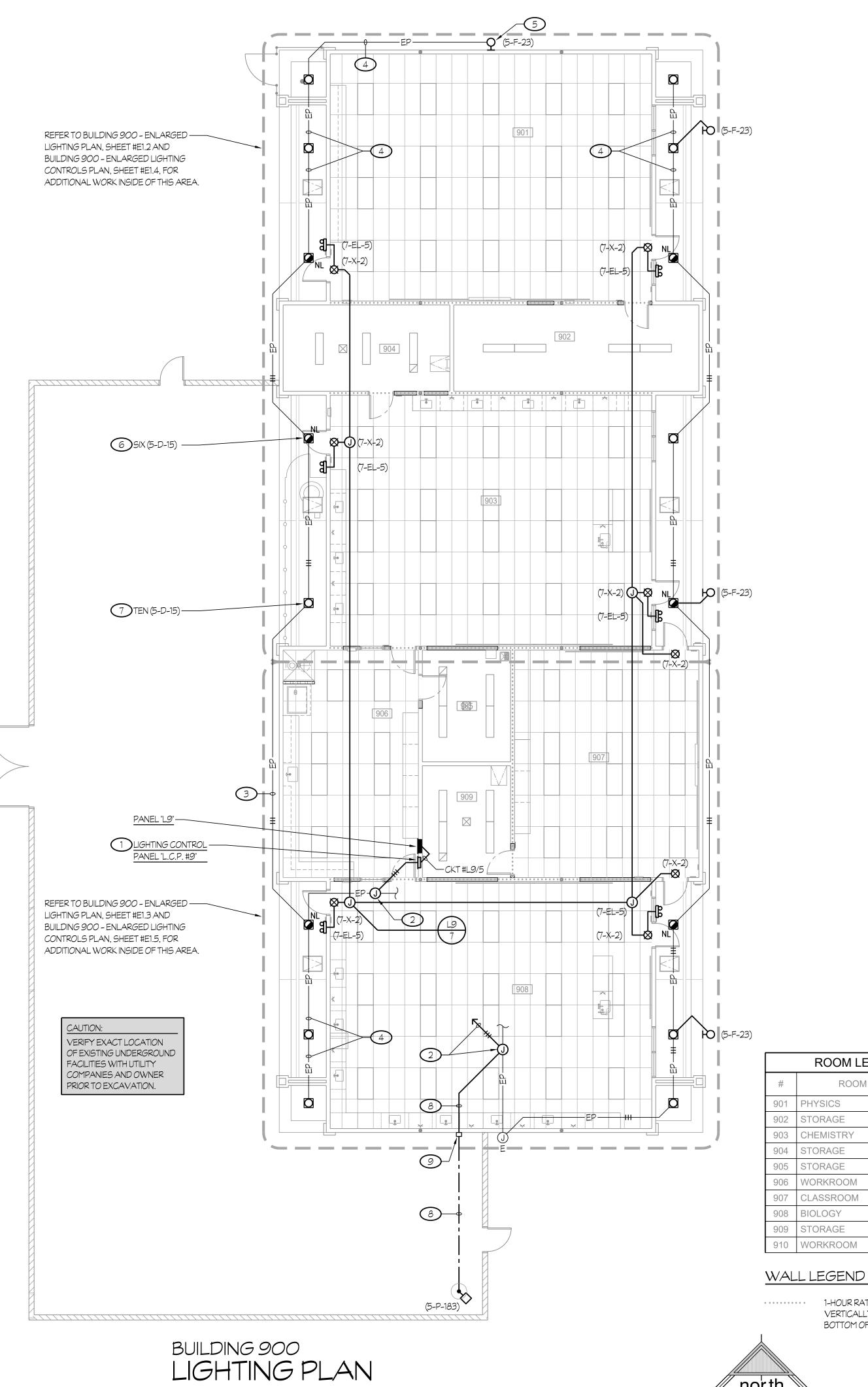


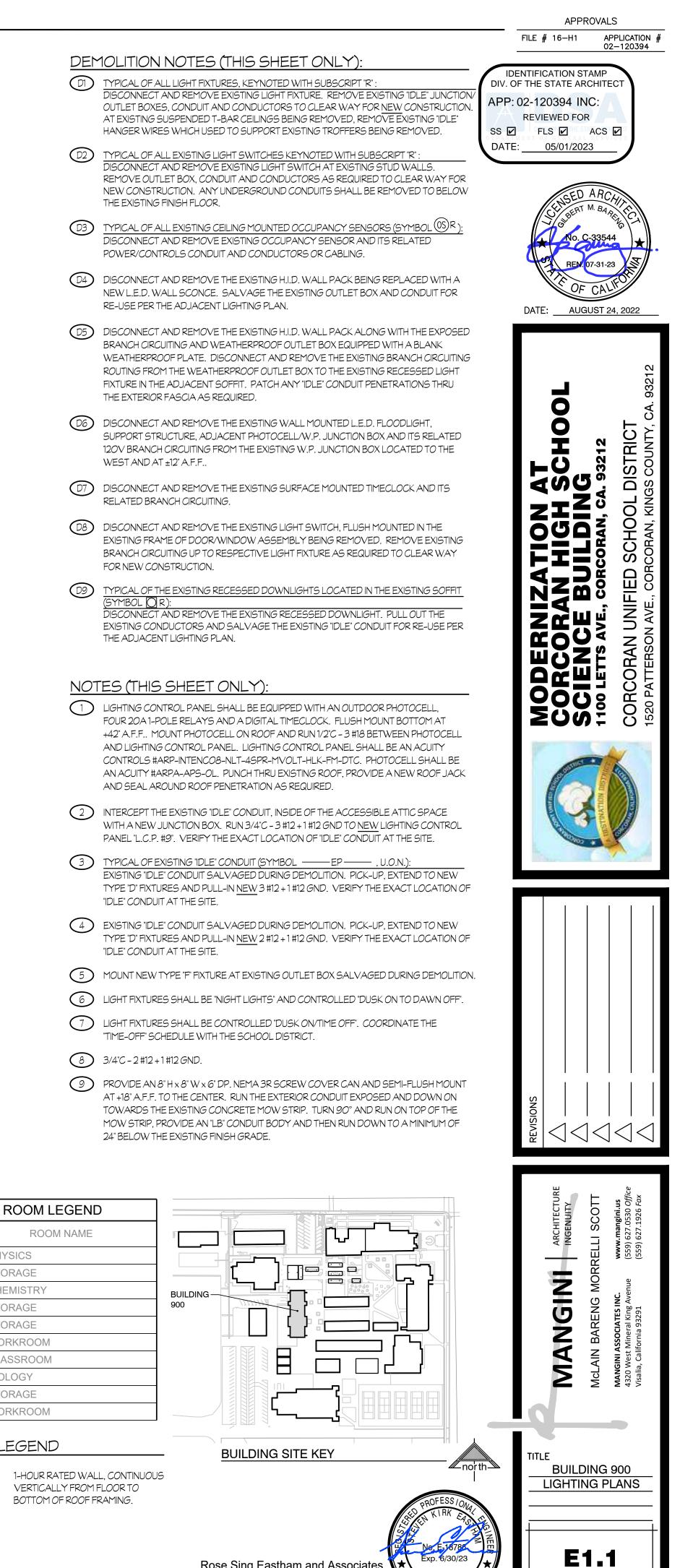
DEMOLITION LIGHTING PLAN

1/8" = 1'-0"

_noˈrth__

1/8" = 1'-0"





Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth - (559)733-2671 Visalia, California 93292-6705

xp. 6/30/2

PROJECT 1751a

north

 $\mathbb{D}2$

 \bigcirc

(D9)

ROOM NAME

901 PHYSICS

902 STORAGE

904 STORAGE

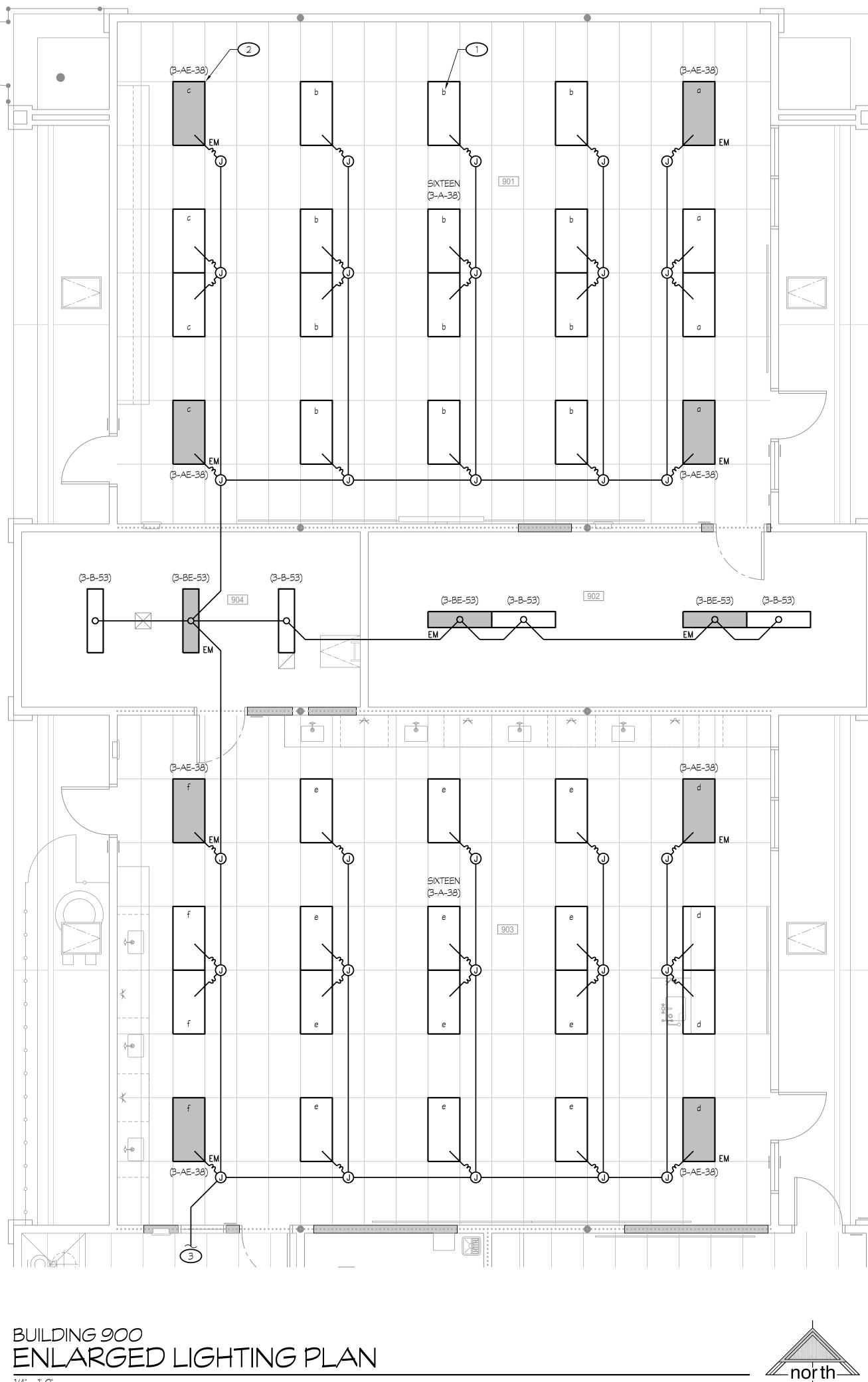
905 STORAGE 906 WORKROOM

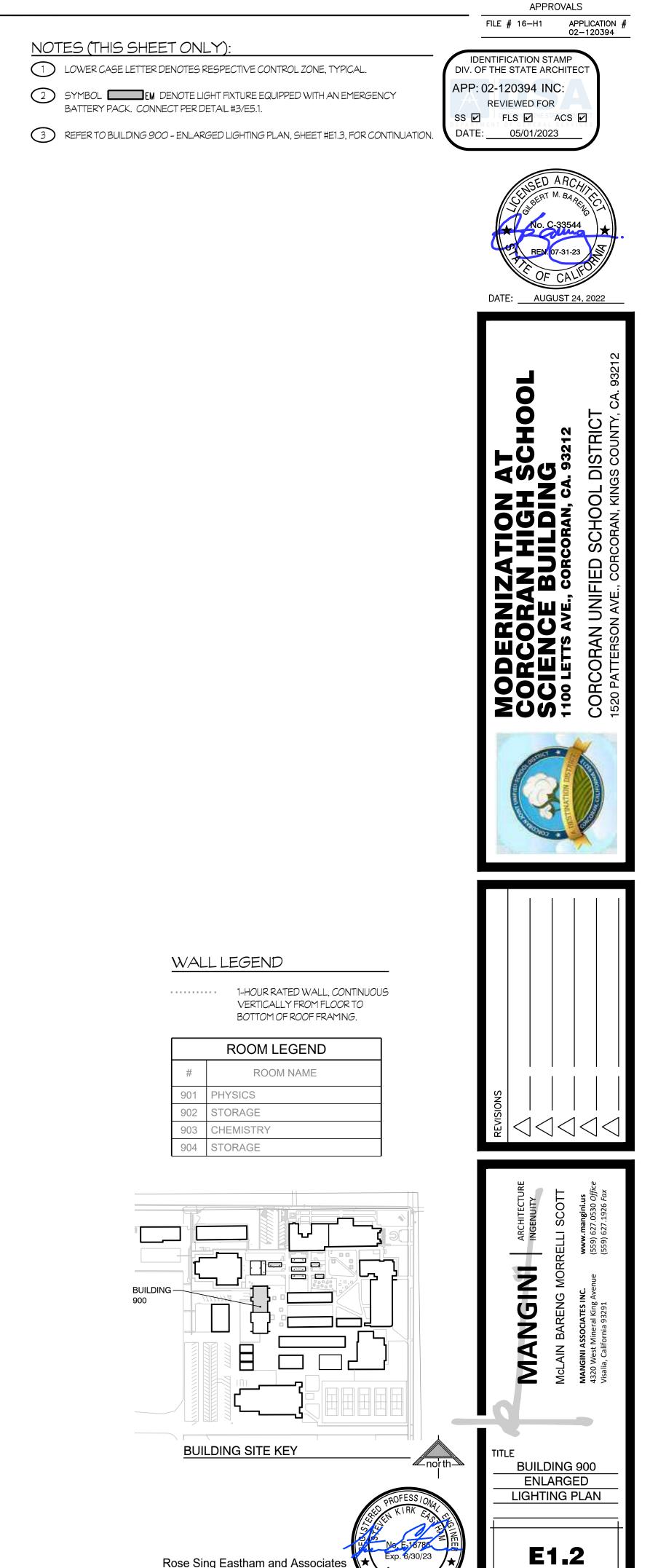
907 CLASSROOM

908 BIOLOGY 909 STORAGE 910 WORKROOM

903 CHEMISTRY





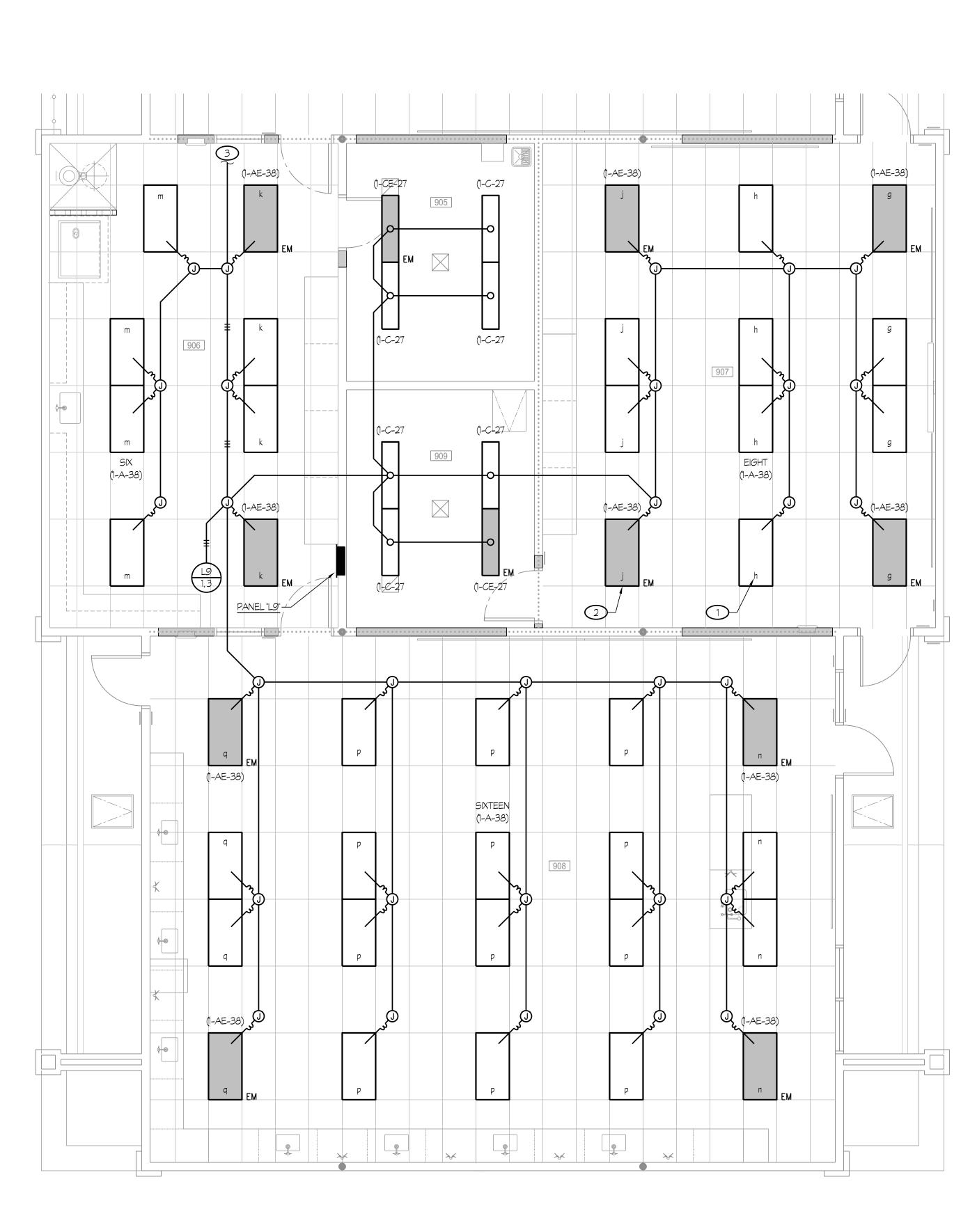


Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth – (559)733–2671 Visalia, California 93292–6705

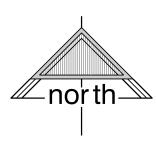
Exp. 6/30/23

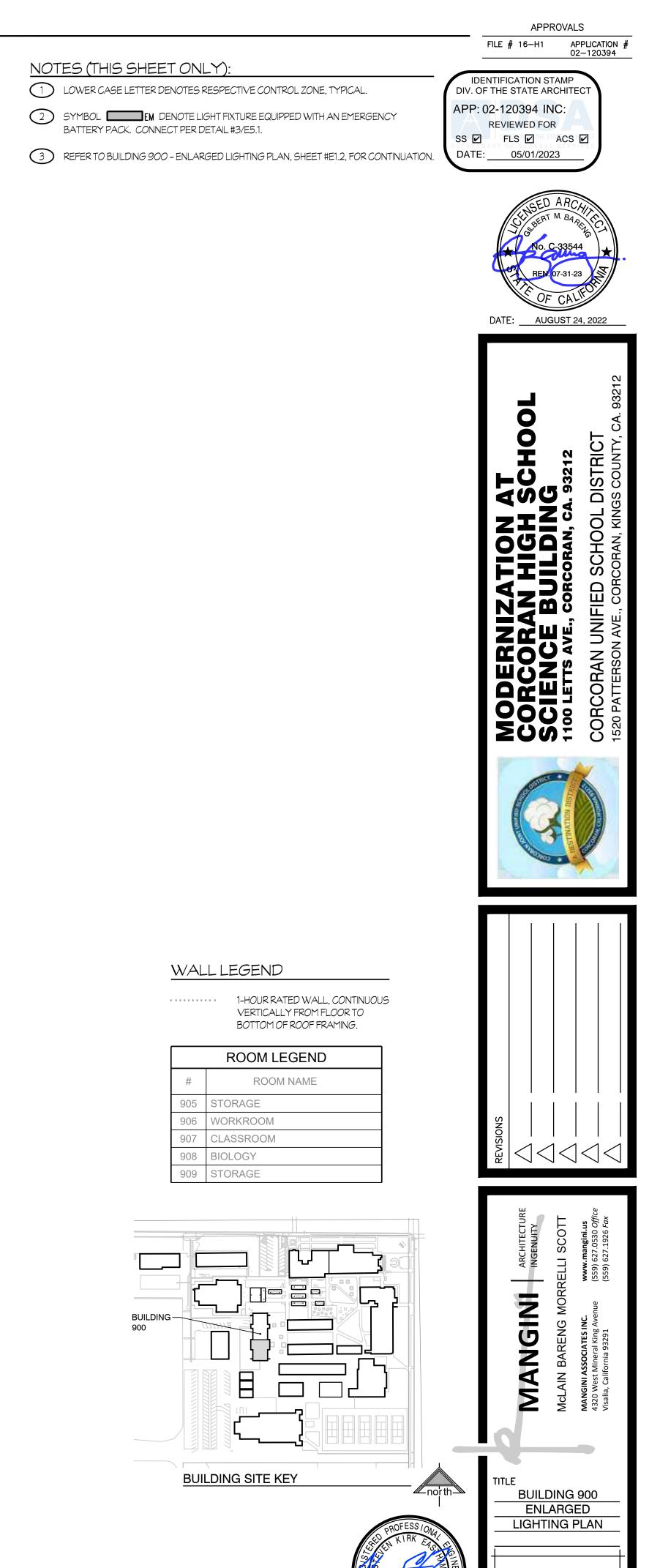
PROJECT 1751a





BUILDING 900 ENLARGED LIGHTING PLAN





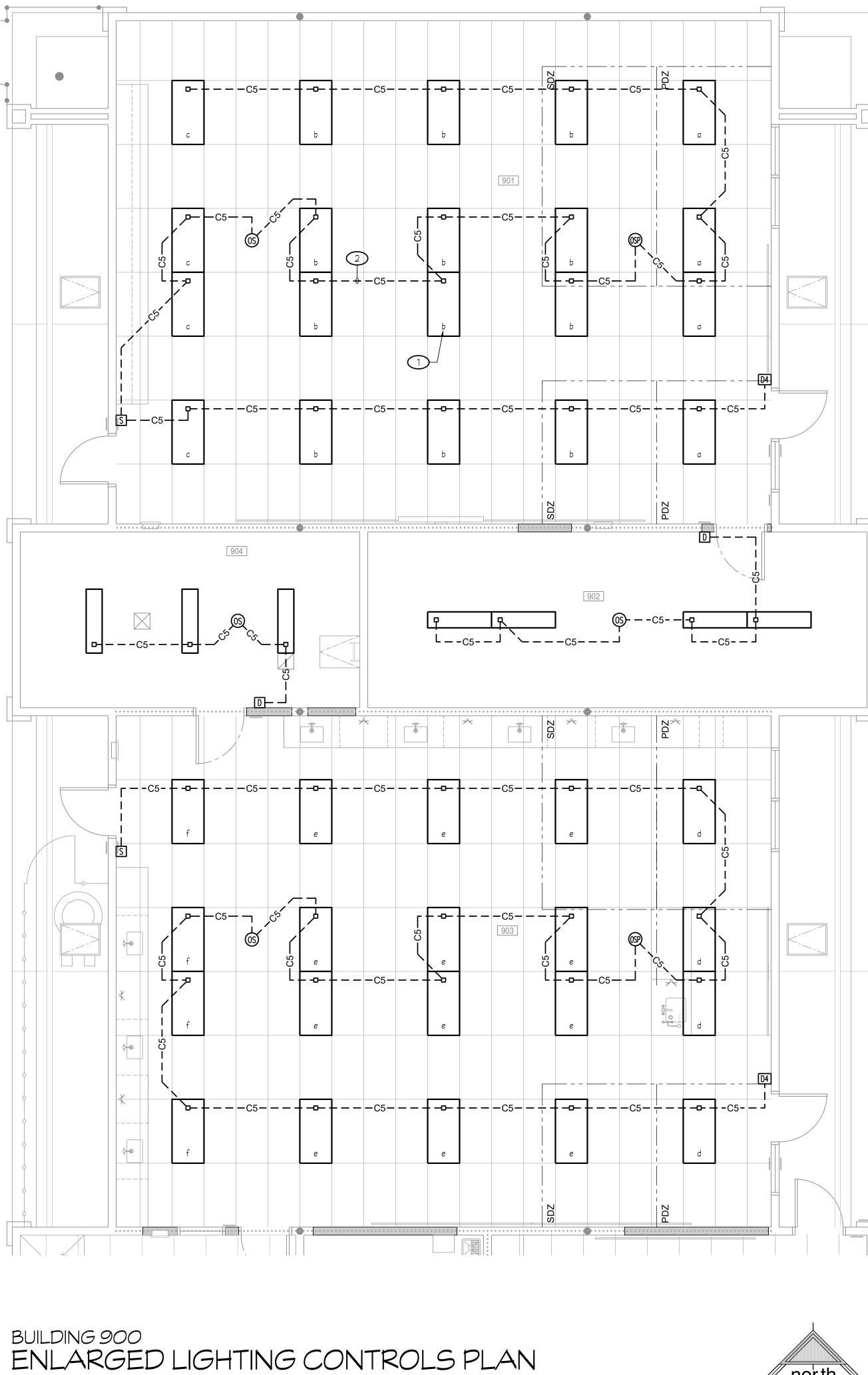
Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth – (559)733–2671 Visalia, California 93292–6705

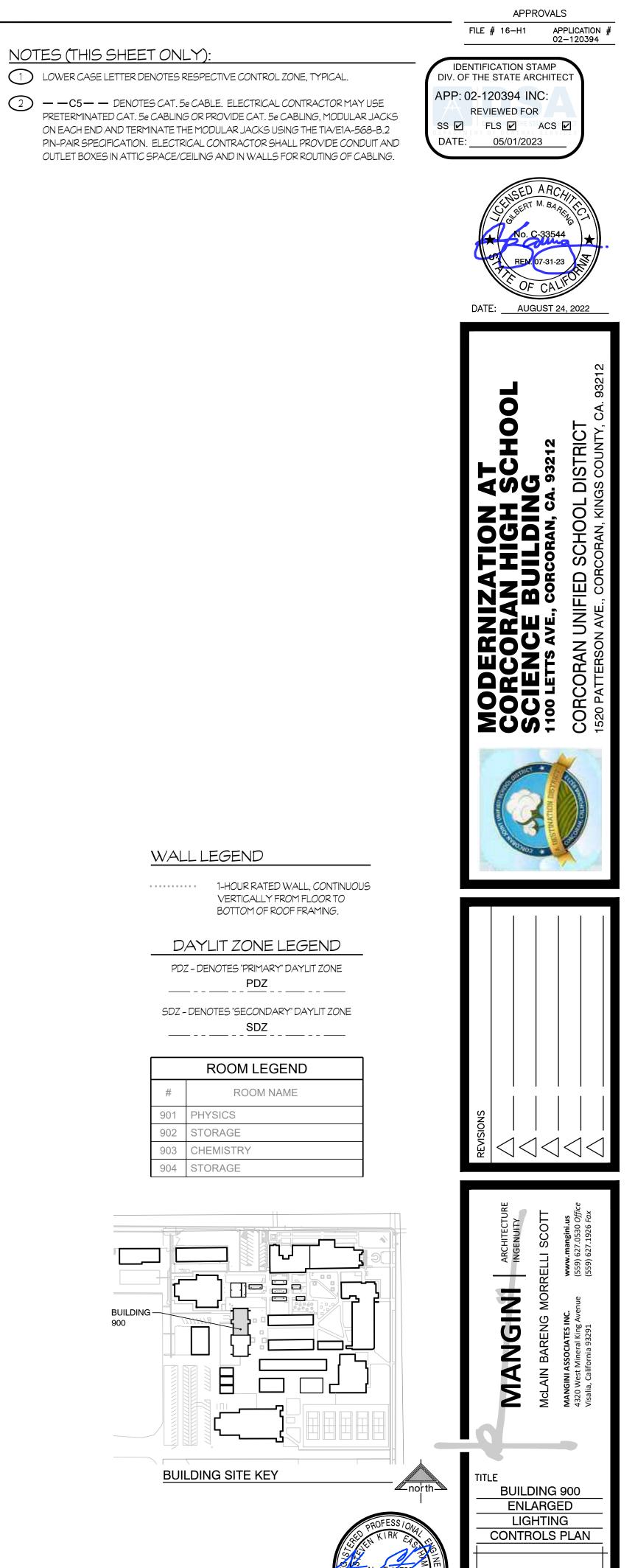
E1.3

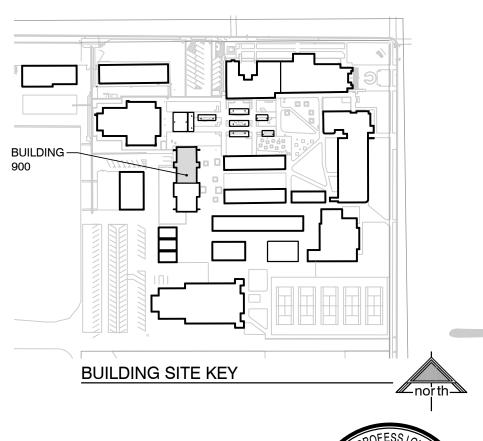
PROJECT 1751a

Exp. 6/30/23









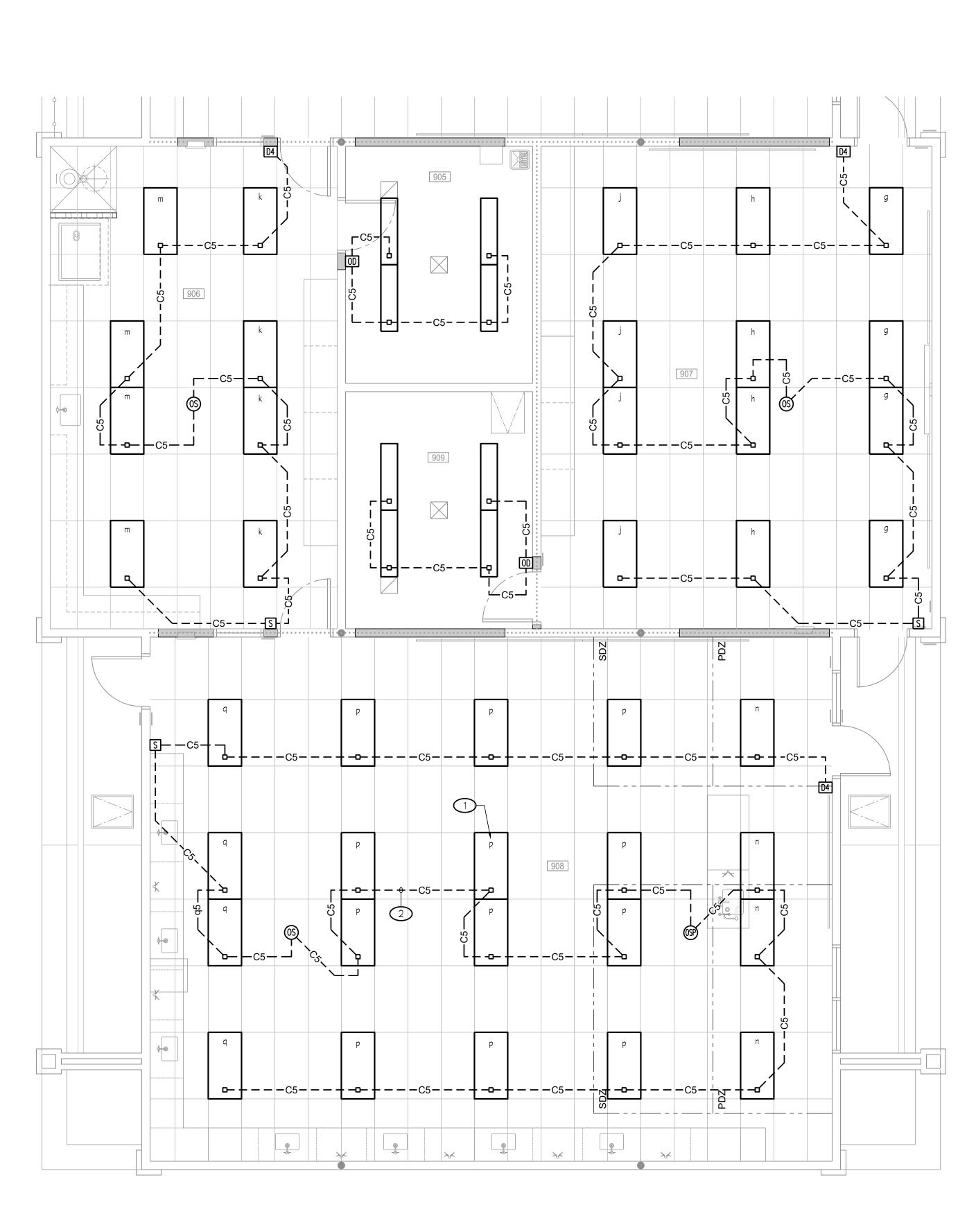
E1.4

PROJECT 1751a

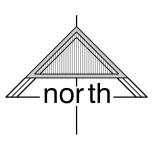
Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth – (559)733–2671 Visalia, California 93292–6705

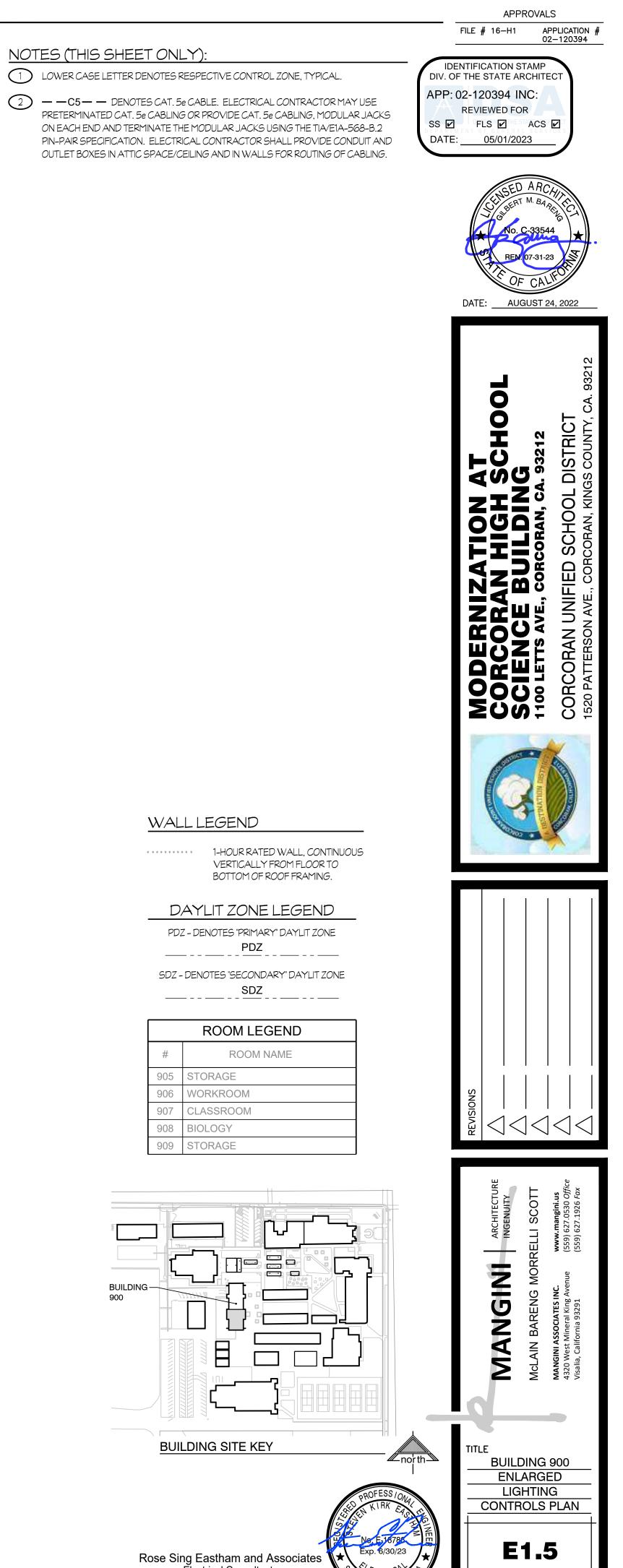
*∠*north ∠



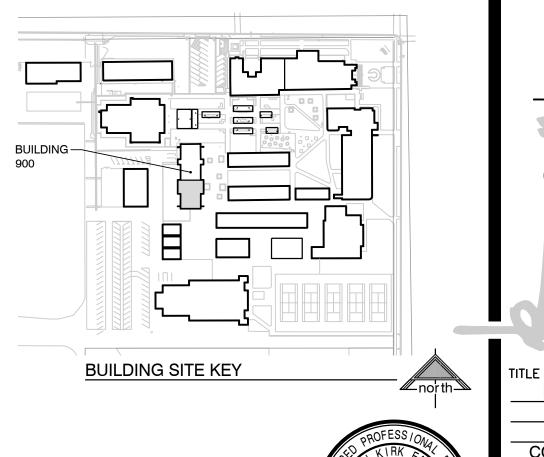


BUILDING 900 ENLARGED LIGHTING CONTROLS PLAN



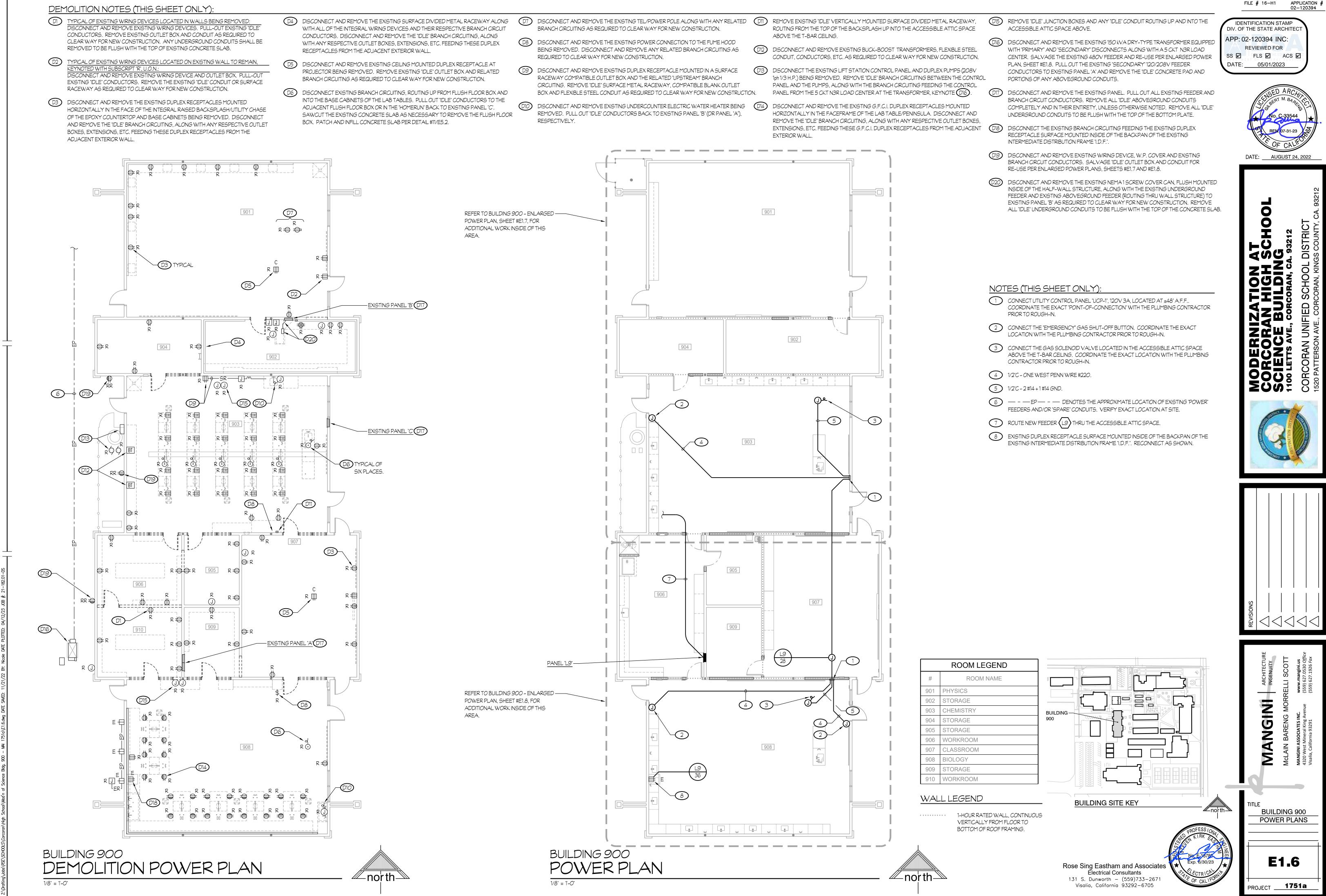






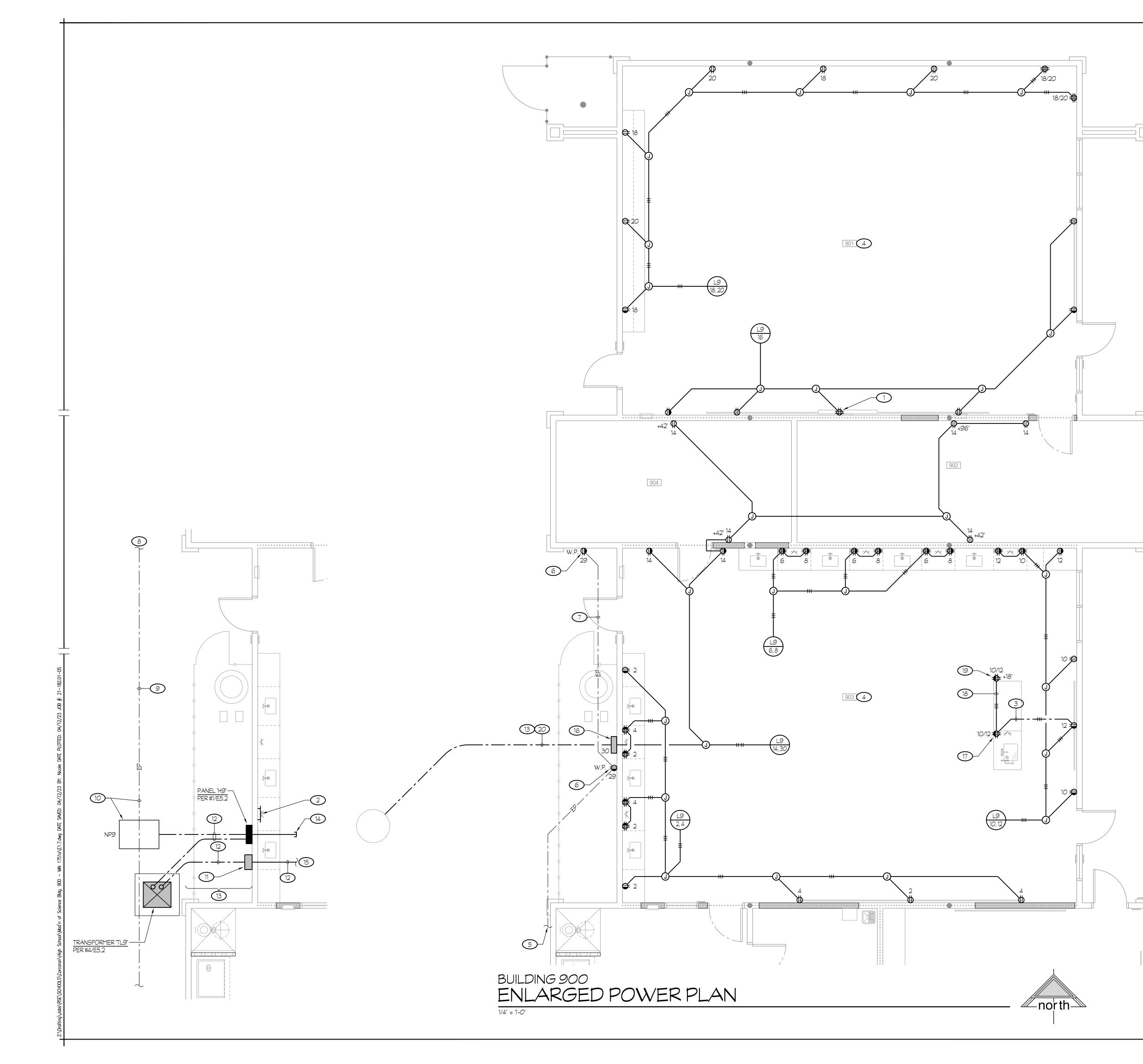
PROJECT 1751a

Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth – (559)733–2671 Visalia, California 93292–6705



					NOVAL	
				FILE # 16-H1	AF 02	
/IDED METAL RACEWAY, CCESSIBLE ATTIC SPACE	015	REMOVE "IDLE" JUNCTION BOXES AND ANY "IDLE" CONDUIT ROUTING UP AND INTO THE ACCESSIBLE ATTIC SPACE ABOVE.		NTIFICATION S THE STATE A		-0
DRMERS, FLEXIBLE STEEL FOR NEW CONSTRUCTION. ID DUPLEX PUMPS (208V ING BETWEEN THE CONTROL	016	DISCONNECT AND REMOVE THE EXISTING 150 KVA DRY-TYPE TRANSFORMER EQUIPPED WITH "PRIMARY" AND "SECONDARY" DISCONNECTS ALONG WITH A 5 CKT N3R LOAD CENTER. SALVAGE THE EXISTING 480V FEEDER AND RE-USE PER ENLARGED POWER PLAN, SHEET #E1.8. PULL OUT THE EXISTING "SECONDARY" 120/208V FEEDER CONDUCTORS TO EXISTING PANEL "A" AND REMOVE THE "IDLE" CONCRETE PAD AND PORTIONS OF ANY ABOVEGROUND CONDUITS.	APP: (SS 🗹 DATE:	ENT OF GENERA	OR ACS	
5 FEEDING THE CONTROL RMER, KEYNOTE 016. CEPTACLES MOUNTED SULA. DISCONNECT AND SPECTIVE OUTLET BOXES.	017	DISCONNECT AND REMOVE THE EXISTING PANEL. PULL OUT ALL EXISTING FEEDER AND BRANCH CIRCUIT CONDUCTORS. REMOVE ALL "IDLE" ABOVEGROUND CONDUITS COMPLETELY AND IN THEIR ENTIRETY, UNLESS OTHERWISE NOTED. REMOVE ALL "IDLE" UNDERGROUND CONDUITS TO BE FLUSH WITH THE TOP OF THE BOTTOM PLATE.		CHINSEL CHINSER V GIBER	<u>) ARC</u> т ^{м.} в _{Ад} С-3354	ドム /2014
CLES FROM THE ADJACENT	D18	DISCONNECT THE EXISTING BRANCH CIRCUITING FEEDING THE EXISTING DUPLEX RECEPTACLE SURFACE MOUNTED INSIDE OF THE BACKPAN OF THE EXISTING INTERMEDIATE DISTRIBUTION FRAME "I.D.F.".		17A	F CAL	
	D19	DISCONNECT AND REMOVE EXISTING WIRING DEVICE, W.P. COVER AND EXISTING BRANCH CIRCUIT CONDUCTORS. SALVAGE "IDLE" OUTLET BOX AND CONDUIT FOR RE-USE PER ENLARGED POWER PLANS, SHEETS #E1.7 AND #E1.8.			IGUST 2	
	020	DISCONNECT AND REMOVE THE EXISTING NEMA 1 SCREW COVER CAN, FLUSH MOUNTED INSIDE OF THE HALF-WALL STRUCTURE, ALONG WITH THE EXISTING UNDERGROUND FEEDER AND EXISTING ABOVEGROUND FEEDER (ROUTING THRU WALL STRUCTURE) TO EXISTING PANEL "B" AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. REMOVE		Ļ		

APPROVALS



		02-12
NOT	ES (THIS SHEET ONLY):	
\bigcirc	QUADRUPLEX RECEPTACLE FOR OWNER'S SMART BOARD MONITOR.	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
2	PROVIDE GROUND BUS BAR PER DETAIL #12/E5.2 AND SURFACE MOUNT IN THE ACCESSIBLE T-BAR CEILING.	APP: 02-120394 INC: REVIEWED FOR
3	SAWCUT AND PATCH EXISTING CONCRETE SLAB/CURB AS REQUIRED. REFER TO DETAIL #7/E5.2 AND DETAILS #33 AND #34/S7.1 FOR ADDITIONAL INFORMATION/ REQUIREMENTS.	SS 🗹 FLS 🗹 ACS 🗹 DATE: 05/01/2023
4	MOUNT ALL RECEPTACLES, SHOWN ABOVE CABINETS/COUNTERS, AT +43" A.F.F. TO CENTER.	CHISED ARCHIP
5	REFER TO BLDG. 900 - ENLARGED POWER PLAN, SHEET #E1.8, FOR CONTINUATION.	No. C-33544
6	PROVIDE A <u>NEW</u> WEATHER-RESISTANT G.F.C.I. DUPLEX RECEPTACLE EQUIPPED WITH A DIECAST WEATHERPROOF "WHILE-IN-USE" LOCKABLE COVER RED DOT #CKSUV OR EQUAL. MOUNT INSIDE EXISTING OUTLET BOX SALVAGED DURING DEMOLITION.	REN. 07-31-23
7	EXISTING BRANCH CIRCUITING. REMOVE EXISTING CONDUCTORS AND REPLACE WITH NEW 2 $\#12 + 1 \#12 \text{ GND}.$	DATE:AUGUST 24, 20
8	REFER TO THE PARTIAL SITE ELECTRICAL PLAN, SHEET #ES1.2, FOR CONTINUATION.	
9	— – — EP — – — DENOTES THE APPROXIMATE LOCATION OF EXISTING UNDERGROUND "POWER" FEEDER. VERIFY EXACT LOCATION AT SITE.	
10	INTERCEPT THE EXISTING UNDERGROUND FEEDER, SALVAGED DURING DEMOLITION, WITH NEW PULL BOX "NP9". VERIFY EXACT LOCATION AT SITE. PROVIDE A NEW 90° ELBOW, COUPLING AND CONDUIT AS REQUIRED TO TURN UP INSIDE NEW PULL BOX. REFER TO DETAIL #5/E5.2 FOR PULL BOX REQUIREMENTS AND BOND THE STEEL CHECKER PLATE COVER PER DETAIL #6/E5.2.	HOOL 12 12 12
11	300A 3-POLE "SECONDARY" ENCLOSED CIRCUIT BREAKER IN A NEMA 3R ENCLOSURE. SURFACE MOUNT AT +42" A.F.F., TO THE CENTER AND MOUNT SIMILAR TO DETAIL #1/E5.2.	
12	REFER TO ONE LINE DIAGRAM, DETAIL #1/E3.1, FOR FEEDER REQUIREMENTS.	
13	SAWCUT AND PATCH EXISTING CONCRETE SLAB PER DETAIL #7/E5.2.	
14	PROVIDE TWO 1" AND TWO 3/4" CONDUITS AND STUB INTO THE ACCESSIBLE ATTIC SPACE ABOVE THE T-BAR CEILING.	
15	REFER TO BLDG. 900 POWER PLAN, ON SHEET #E1.6, FOR CONTINUATION.	
16	CONNECT THE LIFT STATION CONTROL PANEL, 208V 1ph, TWO 1/2 H.P. PUMPS. COORDINATE THE EXACT LOCATION WITH THE PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.	
17	FLUSH MOUNT G.F.C.I. DUPLEX RECEPTACLES IN THE SIDE OF THE UPPER TABLE AND CENTER BETWEEN THE COUNTERTOP OF THE UPPER TABLE AT +40" A.F.F. AND THE COUNTERTOP OF THE LOWER TABLE AT +34" A.F.F COORDINATE THE EXACT LOCATION WITH THE GAS TURRET AND MAKE ARRANGEMENTS WITH CABINETRY MANUFACTURER TO PROVIDE THE REQUIRED OPENING FOR THE RESPECTIVE CUT-IN BOX.	MODE SCIEN 100 LETS
18	ROUTE BRANCH CIRCUITING THRU THE ELECTRICAL/PLUMBING CHASE.	
\sim		

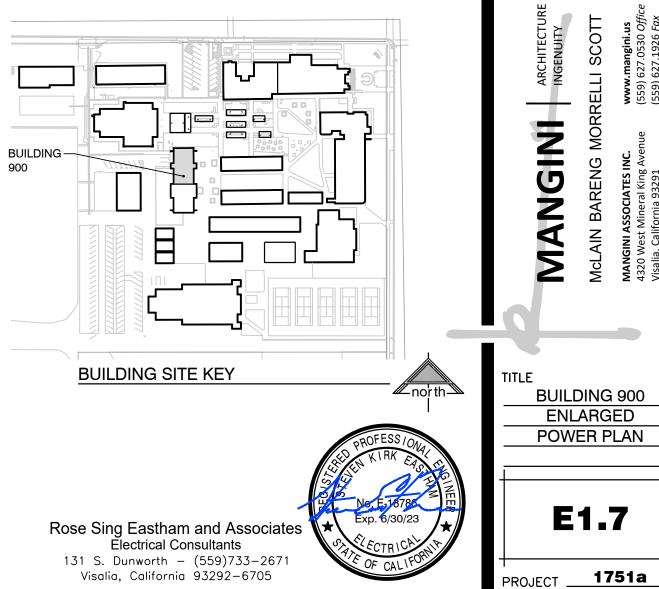
19 FLUSH MOUNT G.F.C.I. DUPLEX RECEPTACLES IN THE SIDE OF THE TEACHER DEMONSTRATION TABLE AND AT THE END OF THE ELECTRICAL/PLUMBING CHASE.

20 PROVIDE TWO 11/2" CONDUITS (ONE CONDUIT FOR POWER CABLES TO TWO (2) 1/2 H.P. PUMPS AND ONE CONDUIT FOR THE CONTROL CABLES TO THE FOUR (4) FLOAT SWITCHES). COORDINATE THE EXACT "POINT-OF-CONNECTION" AT THE BASIN PRIOR TO ROUGH-IN AND PROVIDE WATERTIGHT SEALS (COMPATIBLE WITH FIBERGLASS BASIN) AS REQUIRED. PROVIDE CONDUIT SEALS, AT VERTICAL PORTION OF CONDUIT, BELOW THE LIFT STATION CONTROL PANEL.

WALL LEGEND

1-HOUR RATED WALL, CONTINUOUS VERTICALLY FROM FLOOR TO BOTTOM OF ROOF FRAMING.

ROOM LEGEND				
#	ROOM NAME			
901	PHYSICS			
902	STORAGE			
903	CHEMISTRY			
904	STORAGE			



MODERNIZATION AT CORCORAN HIGH SCHO SCIENCE BUILDING 1100 LETTS AVE., CORCORAN, CA. 93212 DISTRIC Ο Ο ഗ FIED 5 AN Ο COR

APPROVALS

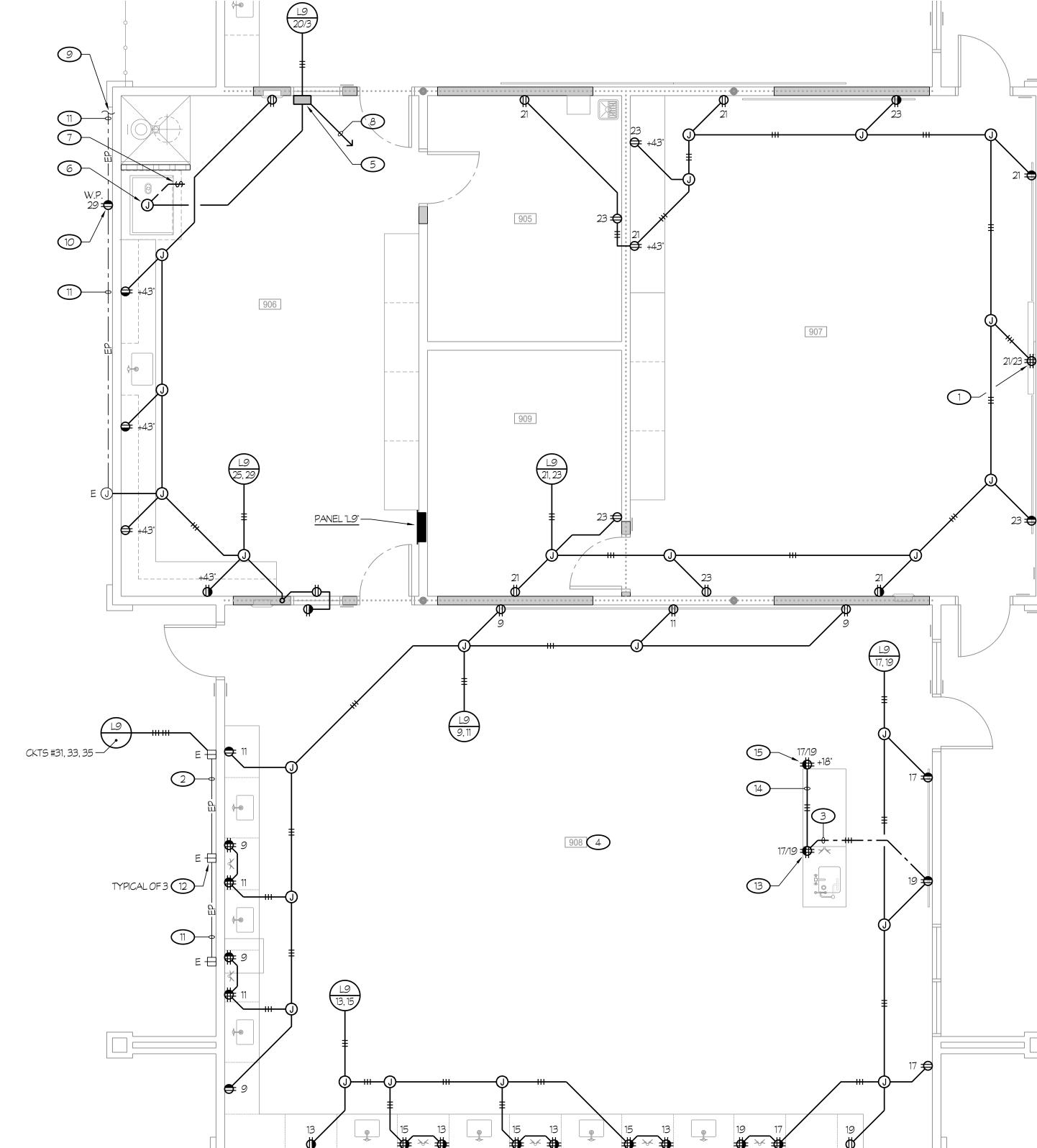
FILE # 16-H1 APPLICATION # 02-120394

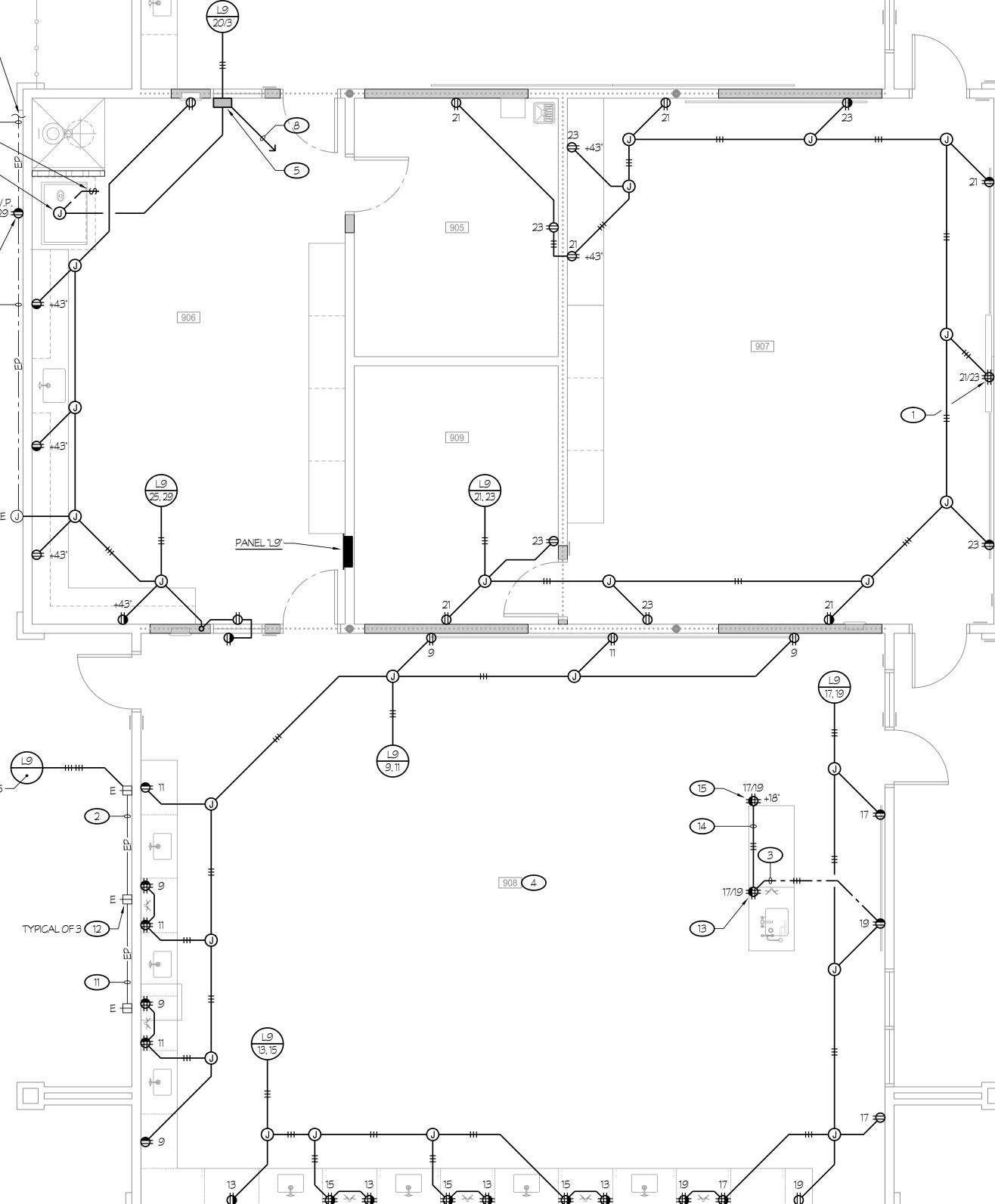
DATE: AUGUST 24, 2022

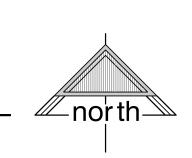


PROJECT 1751a

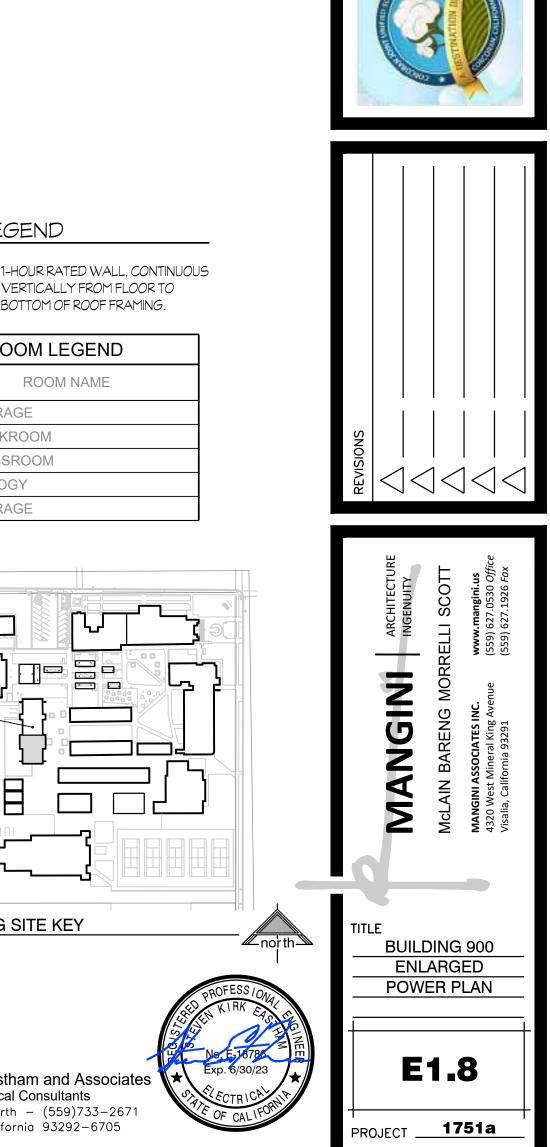








			FILE # 16-H1		PLICATION #
$\frac{101}{1}$	ES (THIS SHEET ONLY): QUADRUPLEX RECEPTACLE FOR OWNER'S SMART BOARD MONITOR.		ENTIFICATION ST		СТ
2	EXISTING BRANCH CIRCUITING. REMOVE EXISTING CONDUCTORS AND REPLACE WITH NEW 4 $\#12 + 1 \#12 \text{ GND}.$		02-120394 IN REVIEWED FOR		
3	SAWCUT AND PATCH EXISTING CONCRETE SLAB/CURB AS REQUIRED. REFER TO DETAIL #7/E5.2 AND DETAILS #33 AND #34/S7.1 FOR ADDITIONAL INFORMATION/ REQUIREMENTS.	SS 🗹 DATE	MENT OF GENERAL	SERVI	
4	MOUNT ALL RECEPTACLES, SHOWN ABOVE CABINETS/COUNTERS, AT +43" A.F.F. TO CENTER.		CHNSED	ARCA	
5	PROVIDE A 30A 3-POLE ELECTRICALLY-OPERATED, MECHANICALLY-HELD LIGHTING CONTRACTOR WITH 12OV COIL, TWO-WIRE CONTROL ACCESSORY AND A NEMA 1 GENERAL PURPOSE ENCLOSURE (SQUARE D #SMG2V02-R6 OR EQUAL) TO ACTIVATE EXHAUST FAN "EF-1" VIA THE EXHAUST FAN SWITCH AT THE FUME HOOD, SURFACE MOUNT IN THE ACCESSIBLE ATTIC SPACE ABOVE THE T-BAR CEILING.		17 A	-33544 17-31-23	
6	CONNECT THE JUNCTION BOX SUPPLIED WITH THE FUME HOOD, 120V. COORDINATE THE EXACT "POINT-OF-CONNECTION" WITH THE EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.		DATE: <u>AUG</u>	UST 24	4, <u>2022</u>
7	EXHAUST FAN SWITCH SUPPLIED WITH FUME HOOD AND PRE-WIRED TO JUNCTION BOX, KEYNOTE #6.				
8	RUN 3/4"C - 3 #12 + 1 #12 GND TO THE VARIABLE FREQUENCY DRIVE "VFD" AT EXHAUST FAN "EF-1" ON ROOF. REFER TO BUILDING 900 - ROOF ELECTRICAL PLAN, SHEET #E1.11.				93212
9	REFER TO BLDG. 900 - ENLARGED POWER PLAN, SHEET #E1.7, FOR CONTINUATION.		ō		CA. 9
10	PROVIDE A <u>NEW</u> WEATHER-RESISTANT G.F.C.I. DUPLEX RECEPTACLE EQUIPPED WITH A DIECAST WEATHERPROOF "WHILE-IN-USE" LOCKABLE COVER RED DOT #CKSUV OR EQUAL. MOUNT INSIDE EXISTING OUTLET BOX SALVAGED DURING DEMOLITION.		HOH	212	INICT UNTY, O
11	EXISTING BRANCH CIRCUITING. REMOVE EXISTING CONDUCTORS AND REPLACE WITH NEW 2 $\#12 + 1 \#12$ GND.		AT SO	A. 93	DIST.
12	REMOVE EXISTING WEATHERPROOF COVER AND REPLACE WITH A <u>NEW</u> DIECAST DIECAST WEATHERPROOF "WHILE-IN-USE" LOCKABLE COVER RED DOT #CKSUV OR EQUAL. MOUNT INSIDE EXISTING OUTLET BOX SALVAGED DURING DEMOLITION.			RAN, C	SCHOOL [CORAN, KING
13	FLUSH MOUNT G.F.C.I. DUPLEX RECEPTACLES IN THE SIDE OF THE UPPER TABLE AND CENTER BETWEEN THE COUNTERTOP OF THE UPPER TABLE AT +40" A.F.F. AND THE COUNTERTOP OF THE LOWER TABLE AT +34" A.F.F COORDINATE THE EXACT LOCATION WITH THE GAS TURRET AND MAKE ARRANGEMENTS WITH CABINETRY MANUFACTURER TO PROVIDE THE REQUIRED OPENING FOR THE RESPECTIVE CUT-IN BOX.		AIZAT AN H BUII	E., CORCO	FIED ., con
14	ROUTE BRANCH CIRCUITING THRU THE ELECTRICAL/PLUMBING CHASE.			A	– z
15	FLUSH MOUNT G.F.C.I. DUPLEX RECEPTACLES IN THE SIDE OF THE TEACHER DEMONSTRATION TABLE AND AT THE END OF THE ELECTRICAL/PLUMBING CHASE.		MODE CORC(SCIEN	1100 LETTS	CORCORAN 1520 PATTERSO



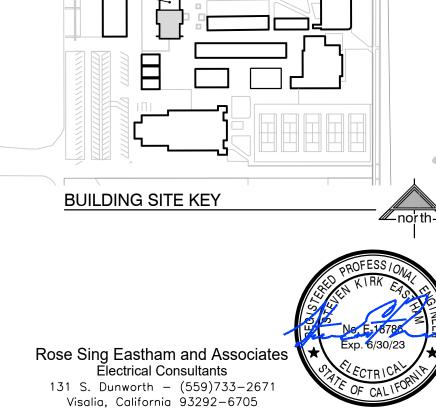
APPROVALS

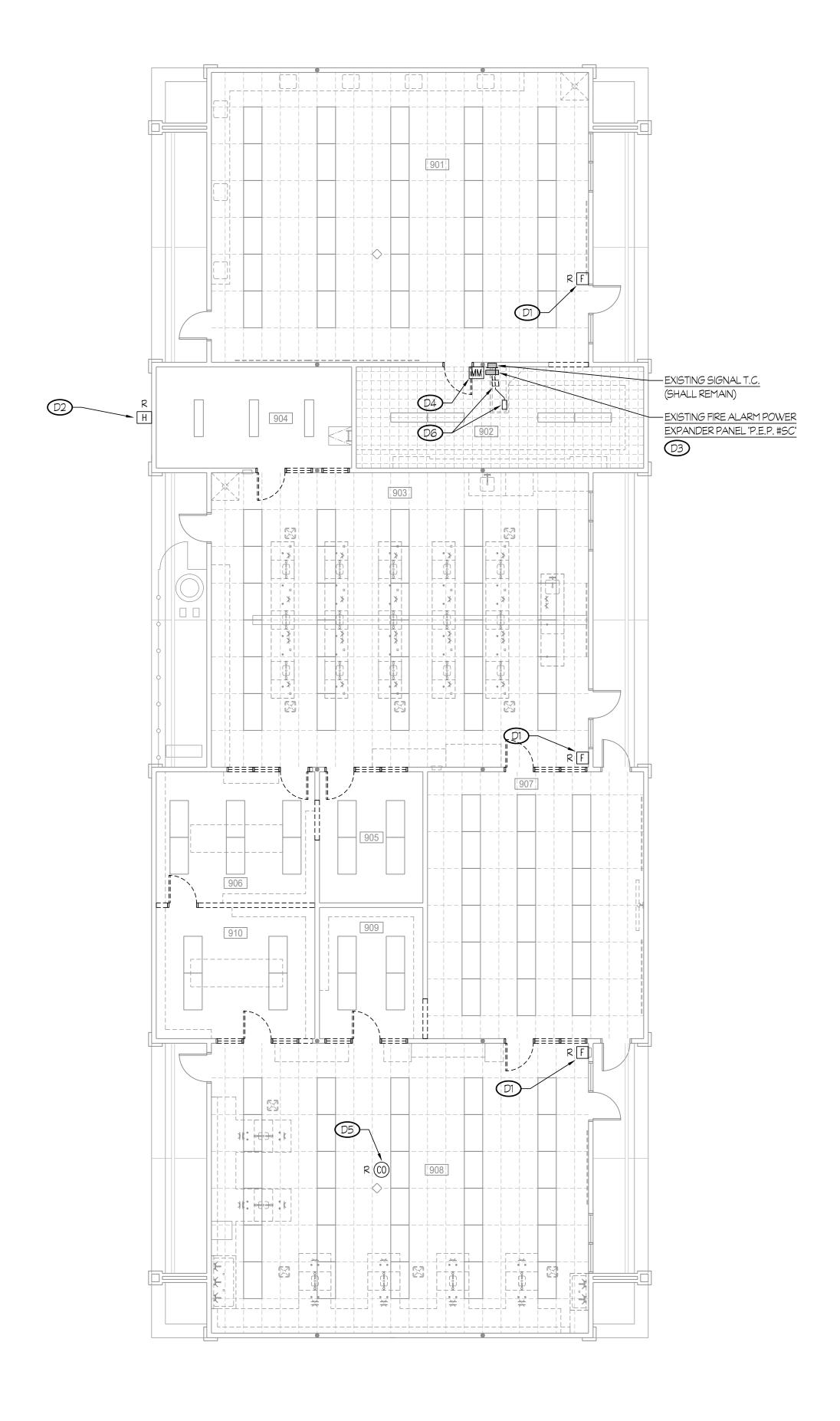
WALL LEGEND

BUILDING -900

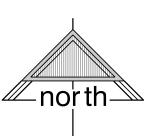
1-HOUR RATED WALL, CONTINUOUS VERTICALLY FROM FLOOR TO BOTTOM OF ROOF FRAMING.

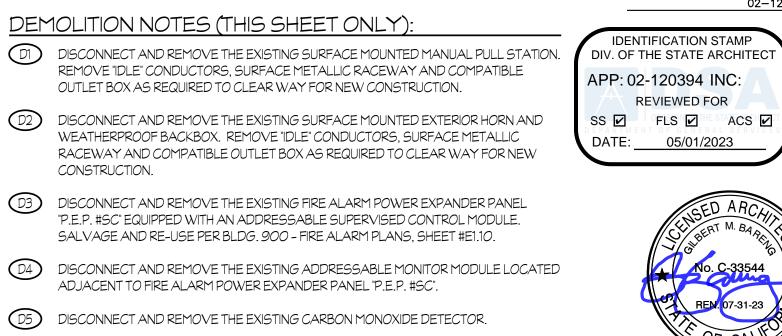
ROOM LEGEND					
#	ROOM NAME				
905	STORAGE				
906	WORKROOM				
907	CLASSROOM				
908	BIOLOGY				
909	STORAGE				





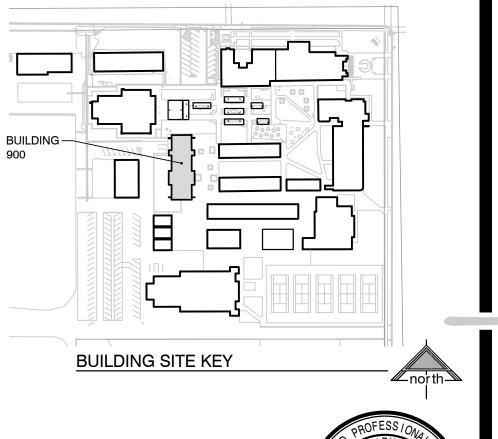
BUILDING 900 DEMOLITION FIRE ALARM PLAN 1/8" = 1'-*0*"





DISCONNECT AND REMOVE THE EXISTING NEMA 1 SCREW COVER CAN, FLUSH MOUNTED INSIDE OF THE HALF-WALL STRUCTURE ALONG WITH THE EXISTING UNDERGROUND FIRE ALARM FEEDER/"SPARE" CONDUITS AND EXISTING ABOVEGROUND FIRE ALARM FEEDER/"SPARE" CONDUITS (ROUTING THRU WALL STRUCTURE) TO EXISTING SIGNAL T.C. AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION. REMOVE ALL "IDLE" UNDERGROUND CONDUITS TO BE FLUSH WITH THE TOP OF THE CONCRETE SLAB.

ROOM LEGEND						
#	ROOM NAME					
901	PHYSICS					
902	STORAGE					
903	CHEMISTRY					
904	STORAGE					
905	STORAGE					
906	WORKROOM					
907	CLASSROOM					
908	BIOLOGY					
909	STORAGE					
910	WORKROOM					



Exp. 6/30/23





APPROVALS FILE # 16-H1 APPLICATION #

REVIEWED FOR

DATE: <u>AUGUST 24, 2022</u>

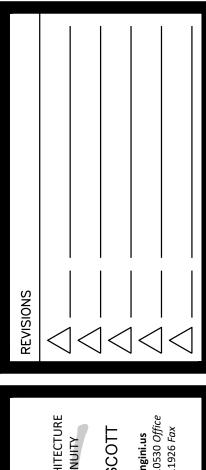
RIC.

DISTI

 \mathbf{O}

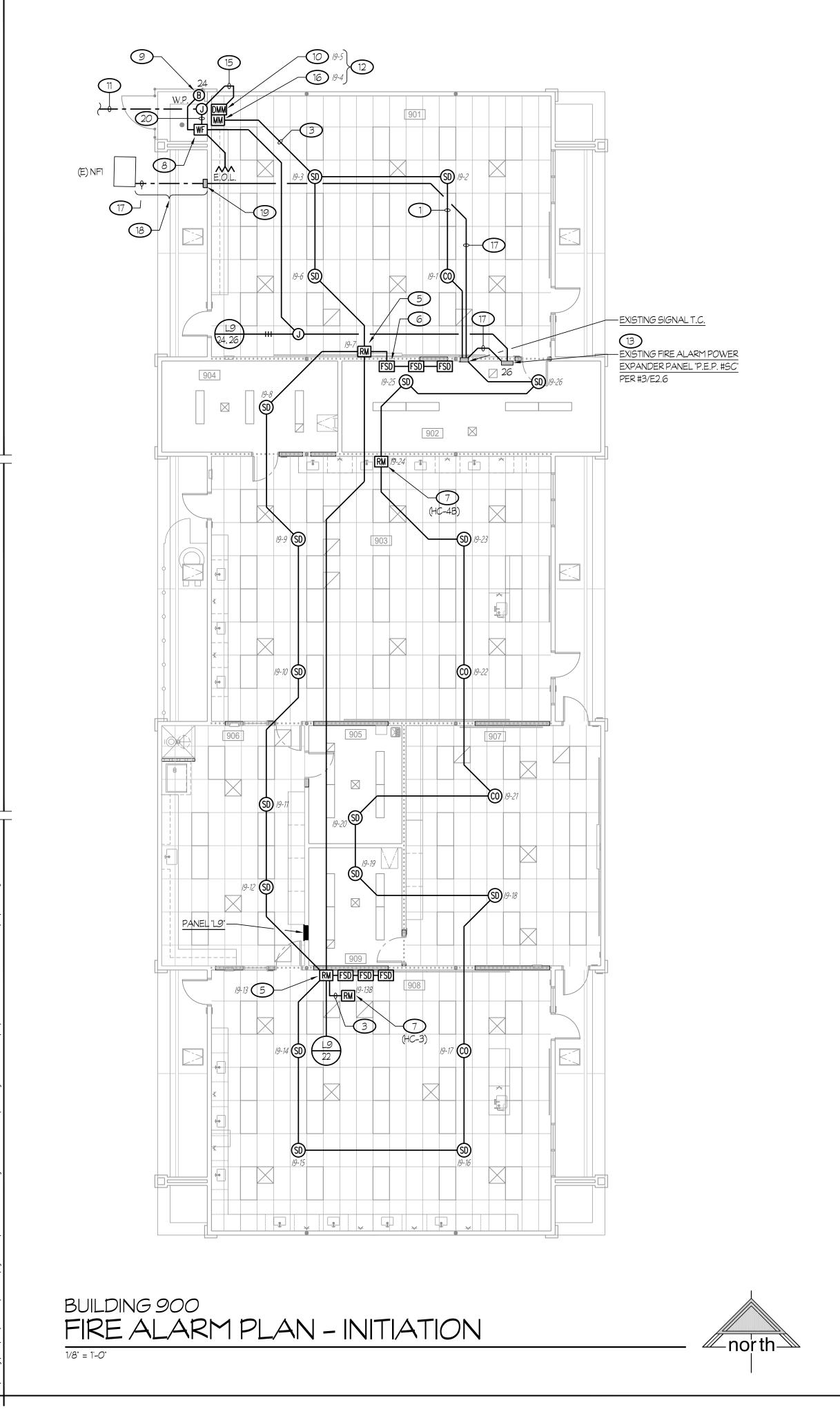
0

02-120394





PROJECT 1751a



NOTES (THIS SHEET ONLY):

1/8" = 1'-0"

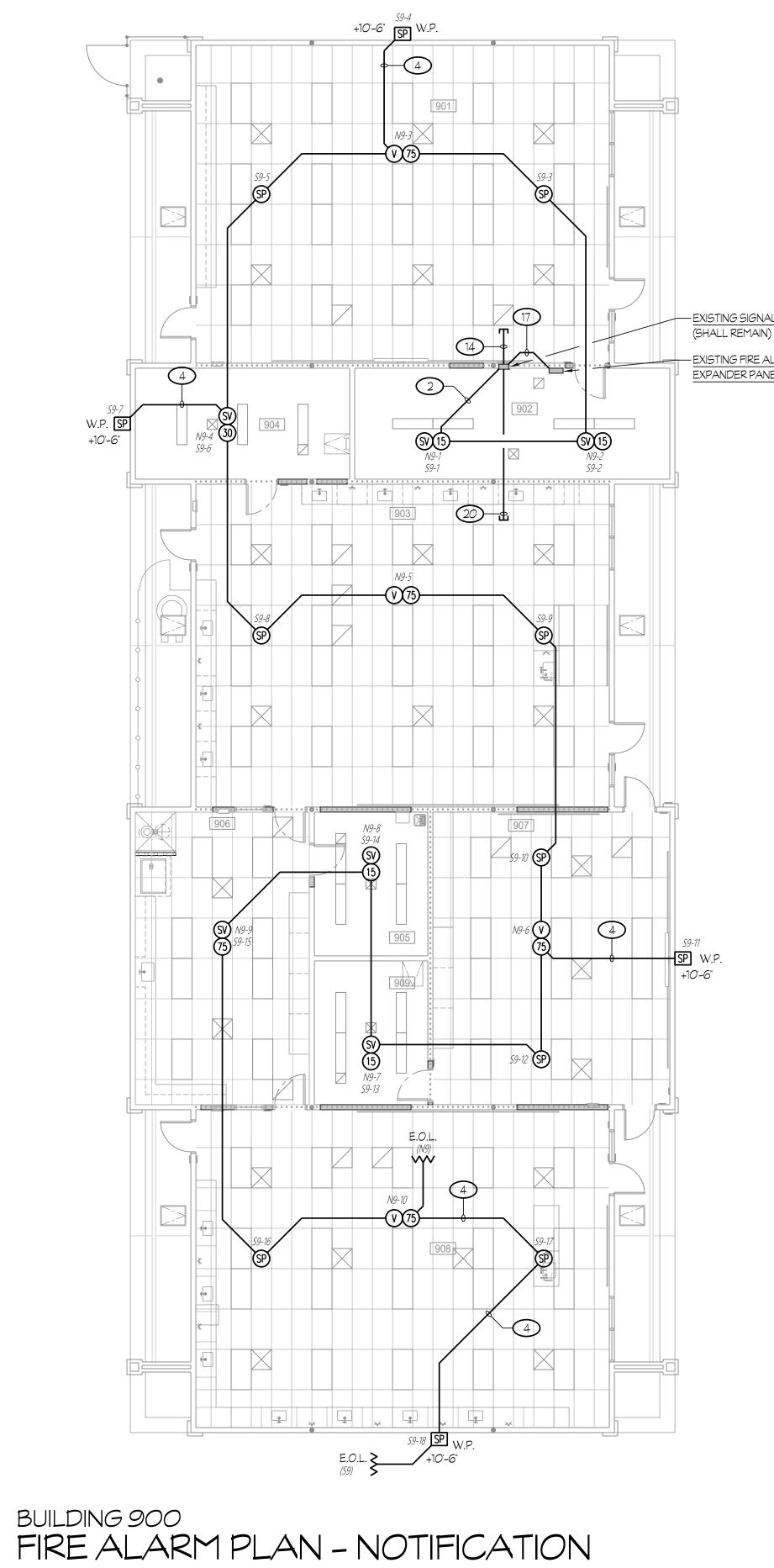
1 TYPICAL OF FIRE ALARM CIRCUITING BETWEEN ADDRESSABLE DEVICES (CONNECTED ONTO THE SIGNALING LINE CIRCUIT "SLC"), U.O.N.: RUN 1/2"C - ONE "FA" CABLE BETWEEN ADDRESSABLE DEVICES.

2 TYPICAL OF FIRE ALARM CIRCUITING BETWEEN NOTIFICATION APPLIANCES, U.O.N.: RUN 3/4"C - ONE "FSP" CABLE, 2 #12 BETWEEN NOTIFICATION APPLIANCES.

3 3/4"C - TWO "FA" CABLES.

4 1/2"C - TWO "FSP" CABLES.

5 PROVIDE A RELAY MODULE TO CONTROL 120V POWER FOR FIRI FLUSH MOUNT IN T-BAR CEILING, U.O.N. AND PROVIDE AN ENGR "FIRE/SMOKE DAMPERS".

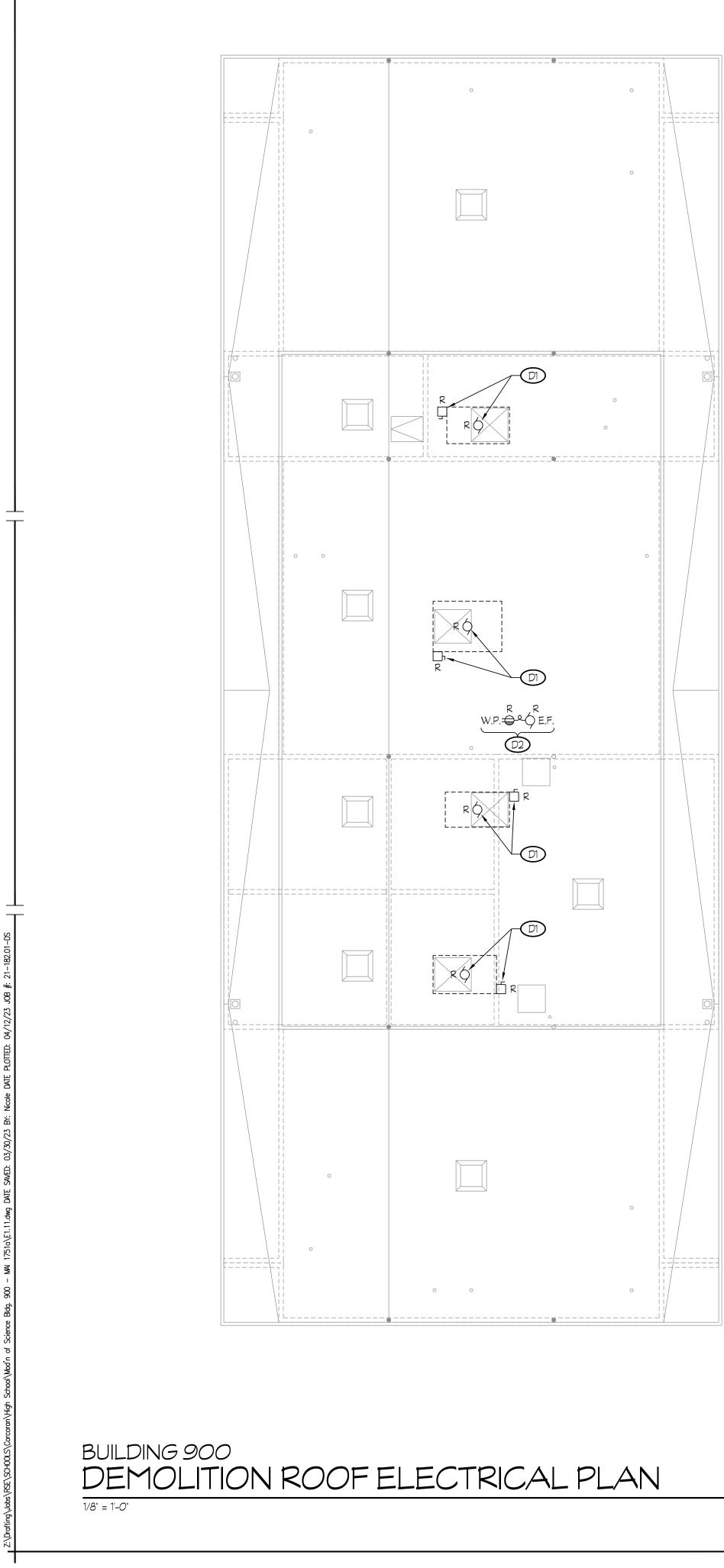


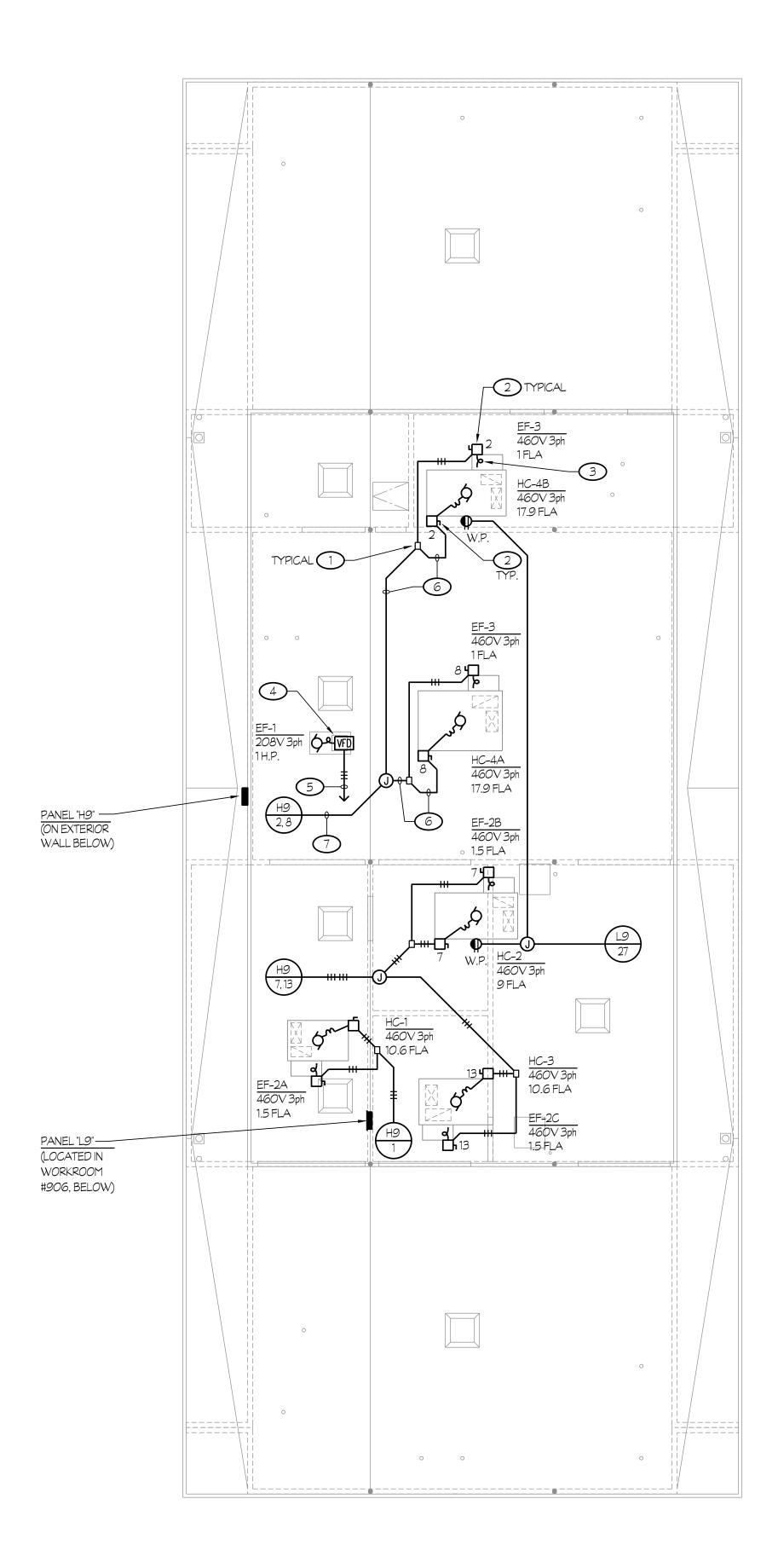
	CONNECT FIRE MECHANICAL	LL FIRE/SMOKE DAMPERS (SYMBOL FSD): E/SMOKE DAMPER IN ATTIC SPACE. COORDINATE EXACT LOCATION WITH CONTRACTOR PRIOR TO ROUGH-IN. PROVIDE A HORSEPOWER RATED TCH AS DISCONNECTING MEANS.	APP: 02-120394 INC:			
IRE/SMOKE DAMPERS. GRAVED NAMEPLATE:	MOUNT IN T-B, MECHANICAL CONDUCTORS	ELAY MODULE FOR "UNIT SHUTDOWN" OF RESPECTIVE AC UNIT. FLUSH AR CEILING (OR GYPBOARD CEILING), U.O.N COORDINATE WITH CONTRACTOR TO PROVIDE THE INTERCONNECTION CONDUIT/ S AND ANY ADDITIONAL REQUIREMENTS . PROVIDE AN ENGRAVED "UNIT SHUTDOWN, HC".	SS PLS ACS DATE: 05/01/2023			
	EXACT LOCAT	E WATERFLOW SWITCH AT FIRE SPRINKLER RISER. COORDINATE TION WITH FIRE SPRINKLER CONTRACTOR. RUN 1/2" L.F.M.C. – 2 #14 FROM LOW SWITCH TO THE WEATHER PROOF JUNCTION BOX.	× No. C-33544			
		ECTRIC BELL. ROUTE BRANCH CIRCUITING THRU THE WATERFLOW ORDINATE EXACT LOCATION WITH THE FIRE SPRINKLER CONTRACTOR IGH-IN.	OF CALIFOR			
	0.5.&Y. VALV ASSEMBLY. F	JAL MONITOR MODULE FOR SUPERVISION OF TAMPER SWITCHES AT THE 'ES LOCATED ON THE DOUBLE CHECK DETECTOR/BACKFLOW PREVENTER PROVIDE AN ENGRAVED NAMEPLATE: "TAMPER SWITCHES AT D.D.C.V.". NO "FA" CABLES, 2 #14 BETWEEN ADJACENT MONITOR MODULES.	DATE: <u>AUGUST 24, 2022</u>			
	DOUBLE CHEC ELECTRICAL F	O TAMPER SWITCHES AT THE O.S.&Y. VALVES LOCATED ON THE CK DETECTOR/BACKFLOW PREVENTER ASSEMBLY. REFER TO SITE PLAN, SHEET #ES1.1, FOR CONTINUATION. ROUTE IN "COMMON" SAWCUT WITH FIRE SPRINKLER PIPING.	ООГ СТ Ү, сА. 9321			
	\sim	T DUAL MONITOR MODULES IN THE T-BAR CEILING. ON OF EXISTING FIRE ALARM POWER EXPANDER PANEL "P.E.P. #SC"	AT SCHC 93212 DISTRIC			
<u>L T.C.</u>	SALVAGED D	URING DEMOLITION. MOUNT HIGH ON WALL AT CEILING.				
LARM POWER EL "P.E.P. #SC"	(14) STUB TCINTO (15) 3/4°C - 6 #14.	ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING.				
	\sim	ONITOR MODULE FOR SUPERVISION OF WATER FLOW SWITCH KLER RISER. COORDINATE EXACT LOCATION WITH FIRE SPRINKLER 3.				
	\smile	E PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM – BUILDING 900, 4, FOR CONDUIT, CABLING AND CONDUCTOR REQUIREMENTS.				
	BOX "NF1" AND CONSTRUCTIO	RE PORTION OF EASTERLY CONCRETE MOW STRIP AT EXISTING PULL ENTIRE PORTION OF THE ADJACENT CONCRETE SIDEWALK (BETWEEN ON OR CONTROL JOINTS) AS REQUIRED TO INSTALL NEW FIRE ALARM EPLACE WITH NEW CONCRETE MOW STRIP AND SIDEWALK PER DETAIL	MODERNIZA CORCORAN SCIENCE BU 1100 LETTS AVE., COR CORCORAN UNIFIED			
	MOUNT HIGH (90° AND CON	EW FIRE ALARM PULL CAN "FPC9" PER DETAIL #4/E2.6 AND SURFACE DN WALL AT BOTTOM OF SOFFIT. RUN CONDUITS UP INTO SOFFIT, TURN TINUE INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING. SEAL DUIT PENETRATIONS.	≥00 € 3 §			
	20 1/2°C - 2 #14.					
		MATIC FIRE SPRINKLER SYSTEM HAS AN AUTOMATIC FIRE SPRINKLER SYSTEM. HEAT DETECTORS HAVE BI				
	OMITTED, IN CC	NCEALED ATTIC SPACES ABOVE CEILINGS AND SOFFITS, DUE TO THE E SPRINKLER SYSTEM IS FULLY EQUIPPED IN THESE AREAS. C.F.C. 907.2.3				
COM		ETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL				
	BY THE DIVISION SHALL BE RESU	1 SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVE NOF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYST BMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRAC Y ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.	'EM			
	DETECTION SYS AREA. UPON TH ALERT ALL OCC	1 SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE STEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AN E ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL UPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNA ED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).				
ROOMI	EGEND		CTURE TTY DTT 0 Office 6 Fax			
	M NAME		ARCHITECTURE INGENUITY INGENUITY SELLI SCOTT www.mangini.us (559) 627.1926 Fax (559) 627.1926 Fax			
901PHYSICS902STORAGE						
903CHEMISTRY904STORAGE						
905 STORAGE 906 WORKROOM			AIN BARENG west Mineral King Ave a, California 93291			
907 CLASSROOM 908 BIOLOGY			McLAIN Mangini A: Visalia, Califi			
909STORAGE910WORKROOM						
WALL LEGENI	2	- BUILDING SITE KEY	TITLE			
VERTICA	ATED WALL, CONTINUOUS LLY FROM FLOOR TO OF ROOF FRAMING.	//_	BUILDING 900 FIRE ALARM PLANS			
		SUPER KIRK EN				
n	or th	Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth – (559)733–2671	E1.10			
	I	Visalia, California 93292-6705	PROJECT1751a			

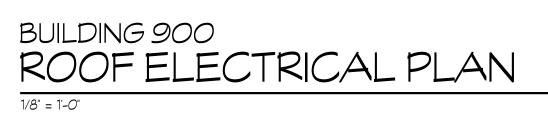
APPROVALS

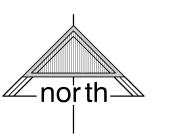
FILE # 16-H1 APPLICATION # 02-120394

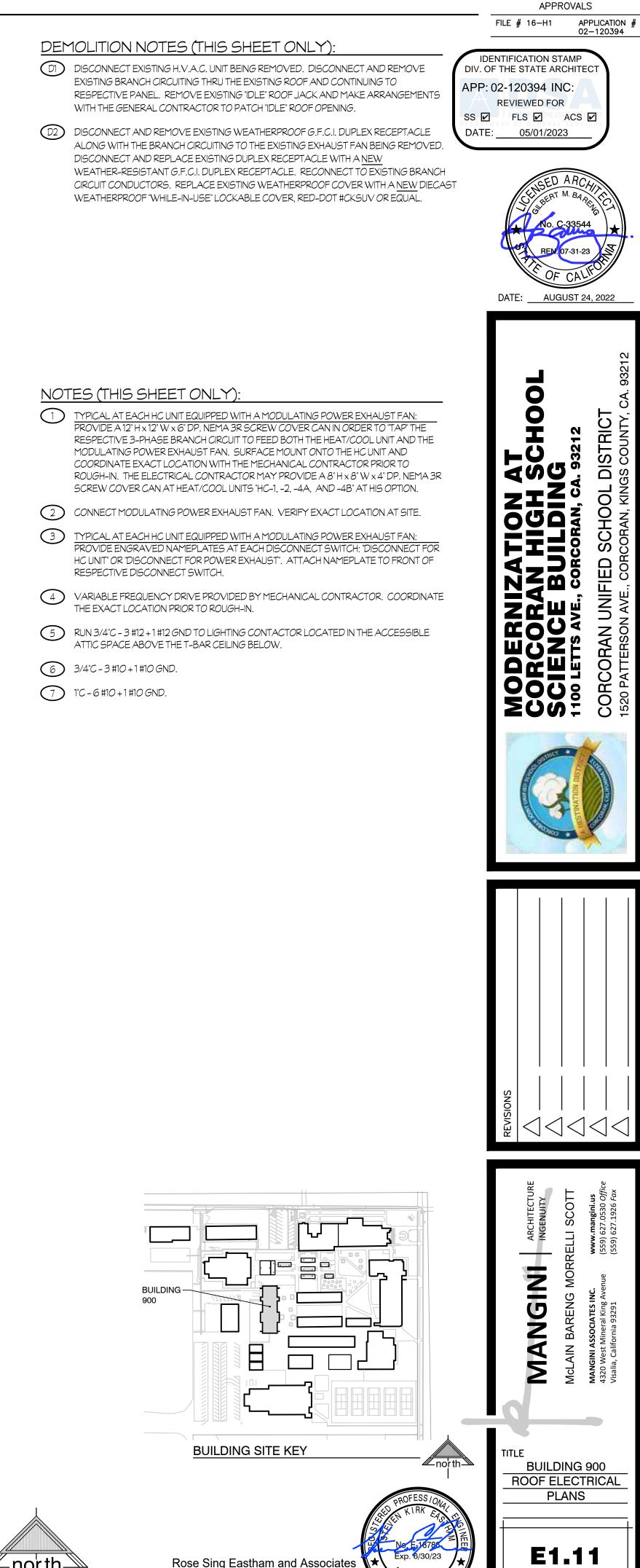
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT











north

Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth – (559)733–2671 Visalia, California 93292–6705

PROJECT 1751a

Ŕ
1
0
82.
T
3
#
m
ğ
,
3
5
5
8
÷
Ë
OTTED
PLO
Ē
DATE PLOTTED: (
Я
<u>, č</u>
Z
Ж
ш С
33
5
7
2
÷
ê
₹
цц,
ATE
Δ
ð
ð
2.1.dv
\E2.1.dv
1o\E2.1.dv
751a\E2.1.dv
1751a\E2.1.dv
751a\{
M
- Ma
- Ma
M
- Ma
- Ma
ldg. 900 - MAI
'n of Science Bldg. 900 - MAI
lod'n of Science Bldg. 900 - MAI
n of Science Bldg. 900 - MAI
lod'n of Science Bldg. 900 - MAI
chool\Mod'n of Science Bldg. 900 - MA
lod'n of Science Bldg. 900 - MAI
chool\Mod'n of Science Bldg. 900 - MA
chool\Mod'n of Science Bldg. 900 - MA
chool\Mod'n of Science Bldg. 900 - MA
chool\Mod'n of Science Bldg. 900 - MA
chool\Mod'n of Science Bldg. 900 - MA
(Corcoran/High School/Mod'n of Science Bldg. 900 – MA
(Corcoran/High School/Mod'n of Science Bldg. 900 – MA
S\Corcoran\High School\Mod'n of Science Bldg. 900 - MA
(Corcoran/High School/Mod'n of Science Bldg. 900 – MA
(Corcoran/High School/Mod'n of Science Bldg. 900 – MA
(Corcoran/High School/Mod'n of Science Bldg. 900 – MA
(Corcoran/High School/Mod'n of Science Bldg. 900 – MA
SE\SCHOOLS\Corcoron\High School\Mod'n of Science Bldg. 900 - MA
SE\SCHOOLS\Corcoron\High School\Mod'n of Science Bldg. 900 - MA

	SYMBOL	DESCRIPTION	MODEL #	CSFM LISTING #	BACKBOX REQUIREMENTS B	MOUNTING HEIGHT (TO CENTER, U.O.N
		EXISTING FIRE ALARM CONTROL PANEL "F.A.C.P. #NA"				
E) FA		INTELLIGENT LOOP INTERFACE - MAIN BOARD	GAMEWELL/F.C.I. #ILI-MB-E3		INCLUDED	
	(E) [FACP] #NA	LCD TOUCHSCREEN ANNUNCIATOR DISPLAY	GAMEWELL/F.C.I. #LCD-SLP	-		
	.,	120V POWER SUPPLY	GAMEWELL/F.C.I. #PM-9			
		VOICE GATEWAY	GAMEWELL/F.C.I. #INI-VGX-UTP			
		50W DIGITAL AMPLIFIER, QTY. OF 4	GAMEWELL/F.C.I. #AM-50-70			
		ENCLOSURE WITH PLEXI-GLASS DOOR	GAMEWELL/F.C.I. #E3BB-BD/INCC			
		EXISTING FIRE ALARM CONTROL PANEL "F.A.C.P. #7"				
		INTELLIGENT LOOP INTERFACE - MAIN BOARD	GAMEWELL/F.C.I. #ILI-MB-E3			
	(E) FACP #7	LCD TOUCHSCREEN ANNUNCIATOR DISPLAY	GAMEWELL/F.C.I. #LCD-SLP			
		120V POWER SUPPLY	GAMEWELL/F.C.I. #PM-9	7165-1703:0125	INCLUDED	
		VOICE GATEWAY	GAMEWELL/F.C.I. #INI-VGX-UTP			
		50W DIGITAL AMPLIFIER, QTY. OF 4	GAMEWELL/F.C.I. #AM-50-70			
		ENCLOSURE WITH PLEXI-GLASS DOOR	GAMEWELL/F.C.I. #E3BB-BD/INCC			
	(E) FACP #2	EXISTING FIRE ALARM CONTROL PANEL "F.A.C.P. #2"	GAMEWELL/F.C.I. #ILI-MB-E3	7165-1703:0125		
	(E) FACP #AB	EXISTING FIRE ALARM CONTROL PANEL "F.A.C.P. #AB"	GAMEWELL/F.C.I. #ILI-MB-E3	7165-1703:0125		
		EXISTING FIRE ALARM CONTROL				
		PANEL "F.A.C.P. #S"				
		INTELLIGENT LOOP INTERFACE - MAIN BOARD	GAMEWELL/F.C.I. #ILI-MB-E3			
		LCD TOUCHSCREEN ANNUNCIATOR	GAMEWELL/F.C.I. #LCD-SLP			
	(E) FACP #S	DISPLAY	GAMEWELL/F.C.I. HLOD-SLP	7165-1703:0125		
		120V POWER SUPPLY	GAMEWELL/F.C.I. #PM-9	/105-1705.0125		
		VOICE GATEWAY	GAMEWELL/F.C.I. #INI-VGX-UTP			
		50W DIGITAL AMPLIFIER, QTY. OF 2	GAMEWELL/F.C.I. #AM-50-70			
		ENCLOSURE WITH PLEXI-GLASS DOOR	GAMEWELL/F.C.I. #E3BB-BD/INCC			
		EXISTING FIRE ALARM TRANSPONDER INTELLIGENT LOOP INTERFACE - MAIN BOARD	GAMEWELL/F.C.I. #ILI-MB-E3			
	(E) FAT #1	50W 70V AUDIO AMPLIFIER	GAMEWELL/F.C.I. #AM-50-70	7165-1703:0125		
		VOICE GATEWAY	GAMEWELL/F.C.I. #INI-VGX-UTP	, 100 1700.0120		
		POWER SUPPLY	GAMEWELL/F.C.I. #PM-9			
		ENCLOSURE WITH SOLID DOOR	GAMEWELL/F.C.I. #E3BB-RC/INX			
	(E) LOC NGA	EXISTING LOCAL OPERATING CONSOLE NETWORK GRAPHIC ANNUNCIATOR	GAMEWELL/F.C.I. #NGA	7165-1703:0125		
	NGA		GAMEWELL/F.C.I. #INI-VGX-UTP			
		ENCLOSURE, "AA" SIZE	GAMEWELL/F.C.I. #E3BB-RAA DIGITAL MONITORING			
	(E) UFAC	EXISTING UNIVERSAL FIRE ALARM COMMUNICATOR PANEL	PRODUCTS, DMP #DUALCOMNF	7300-1157:0136	INCLUDED	
-	(E) PEP #_	EXISTING FIRE ALARM POWER EXPANDER PANEL "P.E.P. #_"	GAMEWELL/F.C.I. #HPFF8/AOM-2SF	7315-1637:0102 7300-1703:0102	INCLUDED	
	(E) PEP #SC	EXISTING FIRE ALARM POWER EXPANDER PANEL "P.E.P. #SC"	GAMEWELL/F.C.I. #HPFF8/AOM-2SF	7315-1637:0102 7300-1703:0102	INCLUDED	PER DETAIL #3/E2.6



FIRE ALA	ARM SYS	TEM SEQ	UENCE O	FOPERA	TIONS	
			TYPE OF	INITIATION		
RESULT OF OPERATION	AREA SMOKE DETECTOR, HEAT DETECTOR OR SMOKE/CO DETECTOR	CARBON MONOXIDE DETECTOR (1)	LOSS OF POWER	SHORT CIRCUIT/ GROUND FAULT	FIRE SPRINKLER RISER WATER FLOW SWITCH	TAMPER SWITCHES AT O.S. &Y. VALVES ON BACKFLOW PREVENTER OR TAMPER SWITCH ON F.S.R.
NCIATE ALARM AT FIRE 1 CONTROL PANEL	YES				YES	
NCIATE TROUBLE AT FIRE M CONTROL PANEL			YES	YES		YES
NCIATE SUPERVISORY AT LARM CONTROL PANEL		YES				
ATE ALL AUDIBLE AND L ALARM SIGNALS	YES				YES	
GFER TO BATTERY BACK-UP			YES			
ATE TEMPORAL PATTERN, 4, IN RESPECTIVE BUILDING		YES				
NCIATE AT 24 HR. IDED LOCATION	YES	YES	YES		YES	YES
RAL STATION FOR ORING (ALARM)	YES				YES	
RAL STATION FOR ORING (TROUBLE)			YES	YES		YES
RAL STATION FOR ORING (SUPERVISORY)		YES				

(1) UPON DETECTION OF CARBON MONOXIDE, A SUPERVISORY SIGNAL SHALL ANNUNCIATE AT THE NETWORKED FIRE ALARM CONTROL PANELS "F.A.C.P." AND AT THE NETWORK GRAPHIC ANNUNCIATOR, INSIDE OF THE EXISTING LOCAL OPERATING CONSOLE "L.O.C., WHICH IS LOCATED IN THE ADMINISTRATION BUILDING.

- H							
	SYMBOL	DESCRIPTION	MODEL #	CSFM LISTING #	BACKBOX REQUIREMENTS B	MOUNTING HEIGHT (TO CENTER, U.O.N.	
ſ	SD	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR	GAMEWELL/F.C.I. #ASD-PL3/B300-6	7272-1703:0501 7300-1653:0109	4" OCTAGONAL BOX x 21/8" DP. OR 4" SQUARE OUTLET BOX x 21/8" DP.	PER DETAIL #2/E2.6	
	00	ADDRESSABLE PHOTOELECTRIC SMOKE/CARBON MONOXIDE DETECTOR	GAMEWELL/F.C.I. #MCS-COF3/B300-6	7272-1703:0508 7300-1653:0109	4" OCTAGONAL BOX x 2 1/8" DP. OR 4" SQUARE OUTLET BOX x 21/8" DP.	PER DETAIL #2/E2.6	
	MM	ADDRESSABLE MONITOR MODULE	GAMEWELL/F.C.I. #AMM-4F	7300-1703:0102	4" SQ. × 21/8" DP. OUTLET BOX		
	DMM	ADDRESSABLE DUAL MONITOR MODULE	GAMEWELL/F.C.I. #AMM-21F	7300-1703:0107	4" SQ. × 21/8" DP. OUTLET BOX		
	RM	ADDRESSABLE RELAY CONTROL MODULE	GAMEWELL/F.C.I. #AOM-2RF	7300-1703:0102	4" SQ. × 21/8" DP. OUTLET BOX		
	SCM	ADDRESSABLE SUPERVISED CONTROL MODULE	GAMEWELL/F.C.I. #AOM-2SF	7300-1703:0102	4" SQ. x 21/8" DP. OUTLET BOX		
	(V) (75)	VISUAL STROBE, CEILING MOUNTED (CANDELA RATING AS NOTED)	SYSTEM SENSOR #SCWL	7125-1653:0504	4" SQ. x 21/8" DP. OUTLET BOX	PER DETAIL #2/E2.6	
	SV (15), 30, 75	SPEAKER/STROBE, CEILING MOUNTED (CANDELA RATING AS NOTED)	SYSTEM SENSOR #SPSCWL-P	7320-1653:0505	4" SQ. x 21/8" DP. OUTLET BOX WITH 11/2" DP. BOX EXTENSION	PER DETAIL #2/E2.6	
	(P)	INTERIOR SPEAKER, CEILING MOUNTED	SYSTEM SENSOR #SPCWL	7320-1653:0505	4" SQ. x 21/8" DP. OUTLET BOX WITH 11/2" DP. BOX EXTENSION	PER DETAIL #2/E2.6	
	SP _{W.P.}	EXTERIOR SPEAKER, WALL MOUNTED	SYSTEM SENSOR #SPRK-R/#MWBB	7320-1653:0201	PROVIDE METAL WEATHERPROOF SURFACE BACKBOX		
>	— \$ E.O.L.	END OF LINE RESISTOR					
	WF	WATERFLOW SWITCH (AT FIRE SPRINKLER RISER)	PROVIDED BY OTHERS REFER TO DETAIL #W-7/F6			VERIFY EXACT LOCATION WITH FIRE SPRINKLER CONTR.	
	TS	TAMPER SWITCH (AT DOUBLE DETECTOR CHECK ASS'Y)	PROVIDED BY OTHERS REFER TO DETAIL #A/F4			VERIFY EXACT LOCATION WITH FIRE SPRINKLER CONTR.	
	®	ELECTRIC BELL (FOR FIRE SPRINKLER RISER)	PROVIDED BY OTHERS REFER TO DETAIL #A/F4		WEATHERPROOF BACKBOX PROVIDED BY FIRE SPRINKLER CONTRACTOR	VERIFY EXACT LOCATION WITH FIRE SPRINKLER CONTR.	
ſ	FSD	FIRE/SMOKE DAMPER	PROVIDED BY MECH. CONTRACTOR REFER TO DETAIL #C/M4			VERIFY EXACT LOCATION WITH MECH'L CONTR.	
ſ	"FA" CABLE	ADDRESSABLE FIRE ALARM CABLE (NDOORS)	WEST PENN #D990	7161-0859:0101			
	"SFA" CABLE	ADDRESSABLE FIRE ALARM CABLE (OUTDOORS)	WEST PENN #AQ225	7161-0859:0101			
	"FSP" CABLE	FIRE ALARM SPEAKER CABLE (INDOORS)	WEST PENN #994S	7161-0859:0101			
F	"SFSP" CABLE	FIRE ALARM SPEAKER CABLE (OUTDOORS)	WEST PENN #AQC224	7161-0859:0101			

	ES (FIRE ALARMISTSTEM
A	END OF LINE RESISTORS FOR NOTIFICATION.
B	VERIFY BACKBOX REQUIREMENTS WITH FIRE
\bigcirc	EXISTING FIRE ALARM EQUIPMENT WAS SUB
D	EXISTING FIRE ALARM EQUIPMENT WAS SUB
Ð	EXISTING FIRE ALARM EQUIPMENT WAS SUB
Ð	EXISTING FIRE ALARM EQUIPMENT WAS SUB
G	EXISTING FIRE ALARM EQUIPMENT WAS SUB
H	TYPICAL FOR EXISTING FIRE ALARM POWER

NOTES (FIRE ALARM SYSTEM EQUIPMENT SPECIFICATIONS):

N APPLIANCE CIRCUITS SHALL BE 3.9K OHM, 1/2 WATT.

RE ALARM SYSTEM EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN.

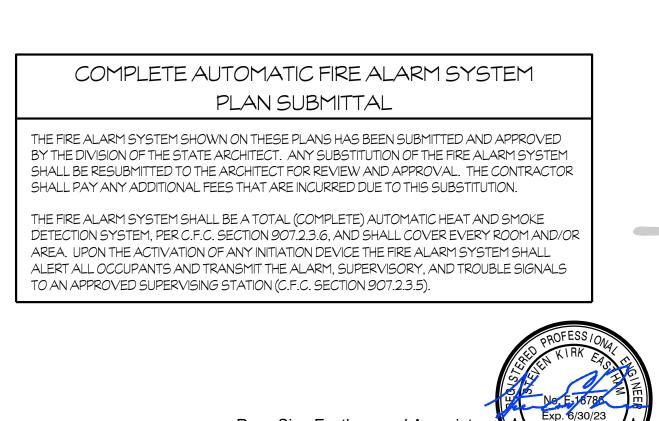
JBMITTED IN D.S.A. APPLICATION NO. 02-108893, FILE NO. 16-2 AND WAS APPROVED ON AUGUST 16, 2007.

JBMITTED IN D.S.A. APPLICATION NO. 02-116520, FILE NO. 16-H1 AND WAS APPROVED ON JULY 25, 2018.

JBMITTED IN D.S.A. APPLICATION NO. 02-117217, FILE NO. 16-H1 AND WAS APPROVED ON JUNE 11, 2019.

JBMITTED IN D.S.A. APPLICATION NO. 02-119740, FILE NO. 16-H1 AND WAS APPROVED ON DECEMBER 16, 2021. UBMITTED IN D.S.A. APPLICATION NO. 02-120393, FILE NO. 16-H1 AND WAS APPROVED ON ______, ____,

R EXPANDER PANELS "P.E.P. #1A, 1B, 2B, 6, 7, 13 AND 14.





PROJECT 1751a

APPROVALS

FILE # 16-H1 APPLICATION # 02-120394

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT

REVIEWED FOR

APP: 02-120394 INC:

Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth - (559)733-2671 Visalia, California 93292-6705

itting/Jobs/RSE/SCHOOLS/Corcoran/High School/Mod'n of Science Bldg. 900 - MM 1751a/E2.2.dwg DATE SAVED: 08/16/22 BY: Nicole DATE PLOTTED: 04/12/23 JOB #: 21-182.01-DS

FIRE ALARM SYSTEM GENERAL NOTES

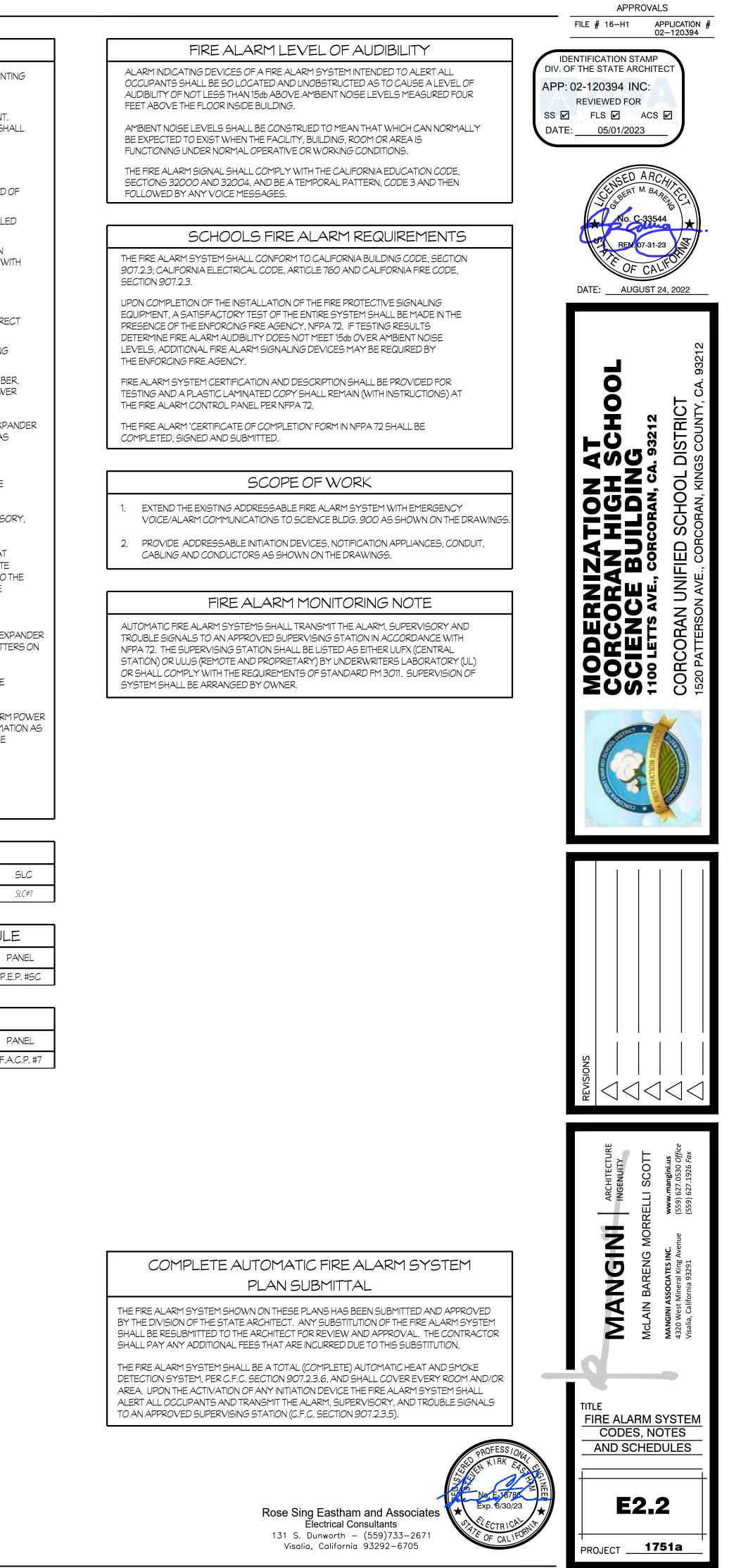
- APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35.
 INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.
- 3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR TEST SHALL INCLUDE ALL INFORMATION PER NFPA 72 14.6.2.4 AND FIGURE 7.8.2(a) AND READ OUT VERIFICATION FORM FROM CENTER STATION.
- 4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
- 5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ ENGINEER OF THE PROJECT.
- 6. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
- 7. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
- 8. WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND THEIR TOPS AT 96" MAXIMUM FROM FINISHED FLOOR.
- 9. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.
- 10. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.
- 11. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN FOR A FIRE ALARM SIGNAL. AUDIBLE DEVICES SHALL ALSO SOUND A TEMPORAL CODE 4 PATTERN FOR A CARBON MONOXIDE SIGNAL. THE EXISTING FIRE ALARM CONTROL PANEL WILL PRODUCE/GENERATE BOTH SIGNALS.
- 12. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
- 13. VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
- 14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
- 15. ALL FIRE ALARM WIRING SHALL BE FPL OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
- 16. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
- 17. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/ CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
- 18. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILING, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.

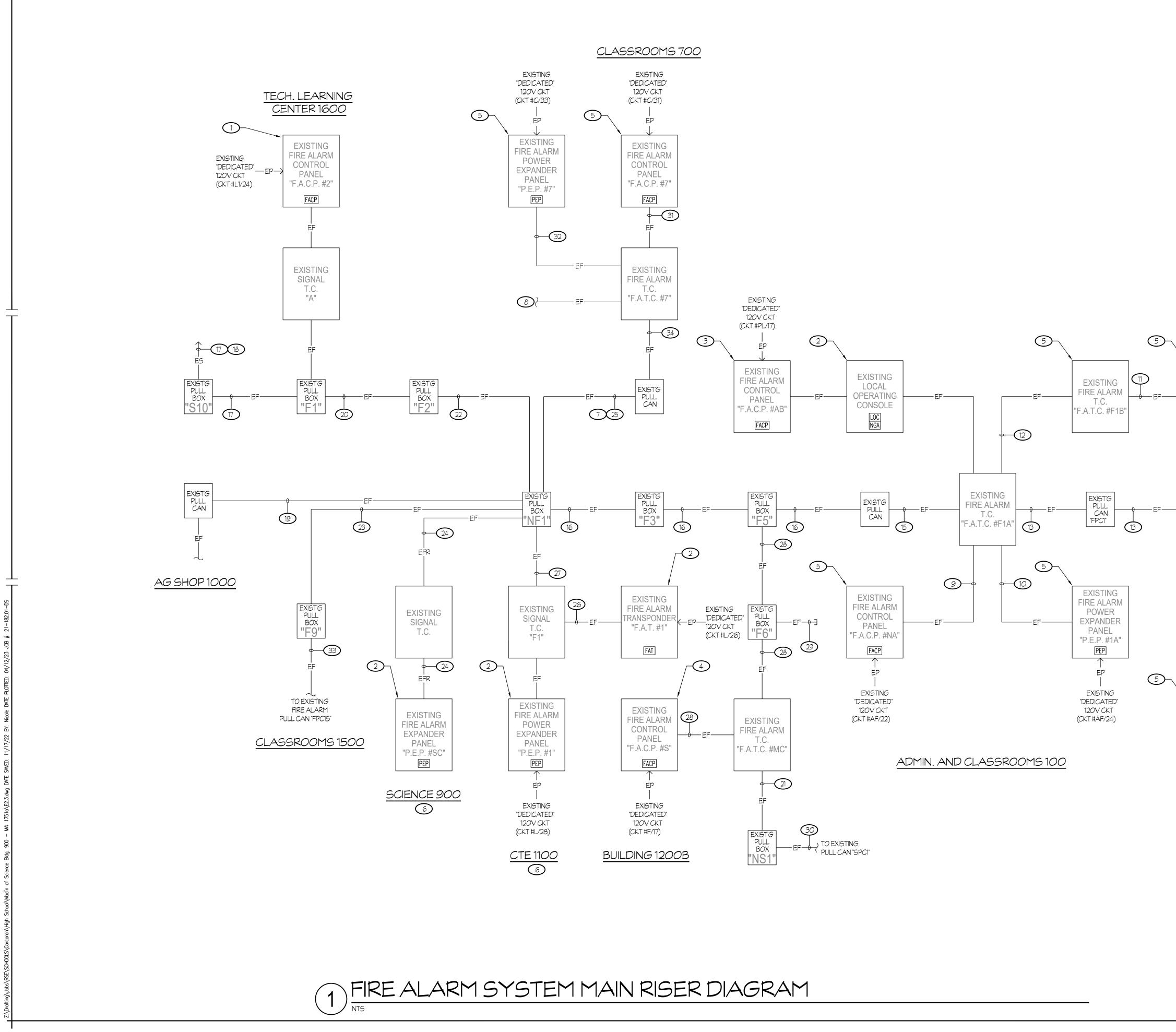
- 19. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
- 20. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANELS/EXTENDERS.
- 21. THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 17.8.2.
- 22. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
- 23. MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.
- 24. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2.
- 25. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
- 26. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.
- 27. PROVIDE AN ENGRAVED NAMEPLATE INDICATING THE D.S.A. APPLICATION NUMBER, FILE NUMBER AND DATE OF INSTALLATION AT THE RELOCATED FIRE ALARM POWER EXPANDER PANEL "P.E.P. #SC".
- A. THE PRIMARY POWER SUPPLY TO THE RELOCATED FIRE ALARM POWER EXPANDER PANEL "P.E.P. #SC", SHALL BE IN ACCORDANCE WITH NFPA 72 10.6.5 AND AS FOLLOWS:
 - a) THE CIRCUIT BREAKER FEEDING THE RESPECTIVE PANEL SHALL BE LOCATED IN A LOCKED ROOM OR BEHIND A LOCKABLE DOOR AND BE READILY ACCESSIBLE TO AUTHORIZED PERSONNEL <u>ONLY</u>.
 - b) THE CIRCUIT BREAKER SHALL BE EQUIPPED WITH A LOCK-ON ACCESSORY, "RED IN COLOR", SPACEAGE #ELOCK-FA OR EQUAL.
 - c) THE CIRCUIT BREAKER SHALL HAVE AN ENGRAVED NAMEPLATE THAT IDENTIFIES IT AS A "FIRE ALARM CIRCUIT". THIS ENGRAVED NAMEPLATE SHALL HAVE WHITE LETTERS ON A RED BACKGROUND. MOUNT ONTO THE INTERIOR TRIM AND LOCATE ADJACENT TO CIRCUIT BREAKER WHERE POSSIBLE.
 - d) THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE RELOCATED FIRE ALARM POWER EXPANDER PANEL "P.E.P. #SC". PROVIDE AN ENGRAVED NAMEPLATE (WHITE LETTERS ON A RED BACKGROUND) WHICH INDICATES THIS.
- B. ALL ENGRAVED NAMEPLATES SHALL BE ATTACHED TO THE FRONT OF THE RESPECTIVE ENCLOSURE WITH SCREWS OR RIVETS.
- 28. PROVIDE A COPY OF THE BATTERY CALCULATION AT THE RELOCATED FIRE ALARM POWER EXPANDER PANEL "P.E.P. #SC". BATTERY CALCULATION SHALL CONTAIN INFORMATION AS NOTED ON SCHEDULES AND BE PLASTIC LAMINATED. MOUNT ONTO INSIDE FACE OF DOOR.

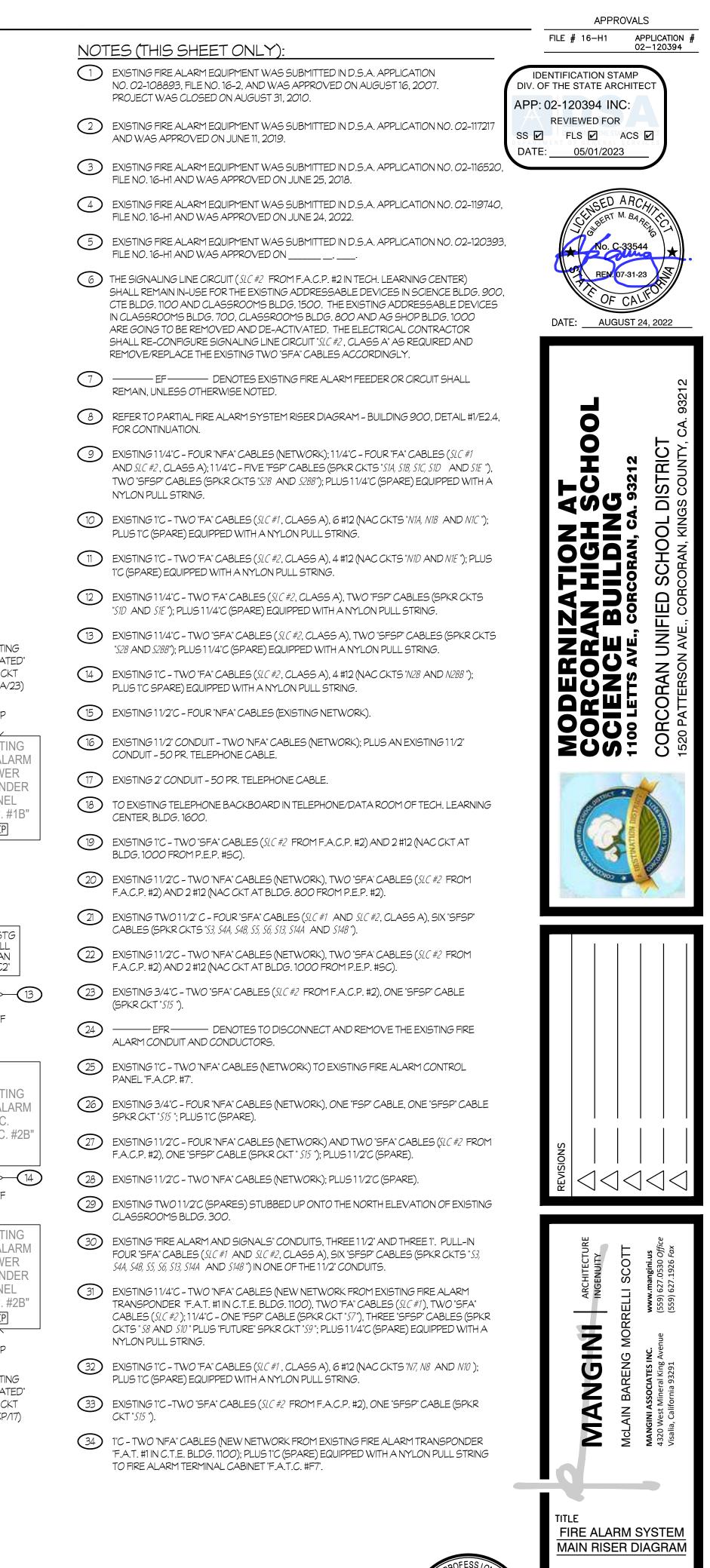
SIGNALING LINE CIRCUIT SCHEDULE						
DESCRIPTION	PANEL					
ADDRESSABLE/INITIATION DEVICES-BUILDING 900	F.A.C.P. #7					

Ν	IOTIFICATION APPLIANCE CIRCUIT SCHEI	DULI					
CIRCUIT DESCRIPTION/LOCATION							
N9 VISUAL STROBES - BUILDING 900							
	SPEAKER CIRCUIT SCHEDULE						

CIRCUIT	DESCRIPTION/LOCATION	F
59	SPEAKERS - BUILDING 900	F./







EXISTING

"DEDICATED"

120V CKT

(CKT #L2A/23)

FP

EXISTING

FIRE ALARN

POWER

EXPANDER

PANEL

"P.E.P. #1B"

PEP

EXIST'G

PULL CAN "FPC2"

EXISTING

FIRE ALARM

T.C.

"F.A.T.C. #2B"

EXISTING

FIRE ALARN

POWER

PANEL

EXPANDER

"P.E.P. #2B"

PEP

EXISTING

"DEDICATED"

120V CKT

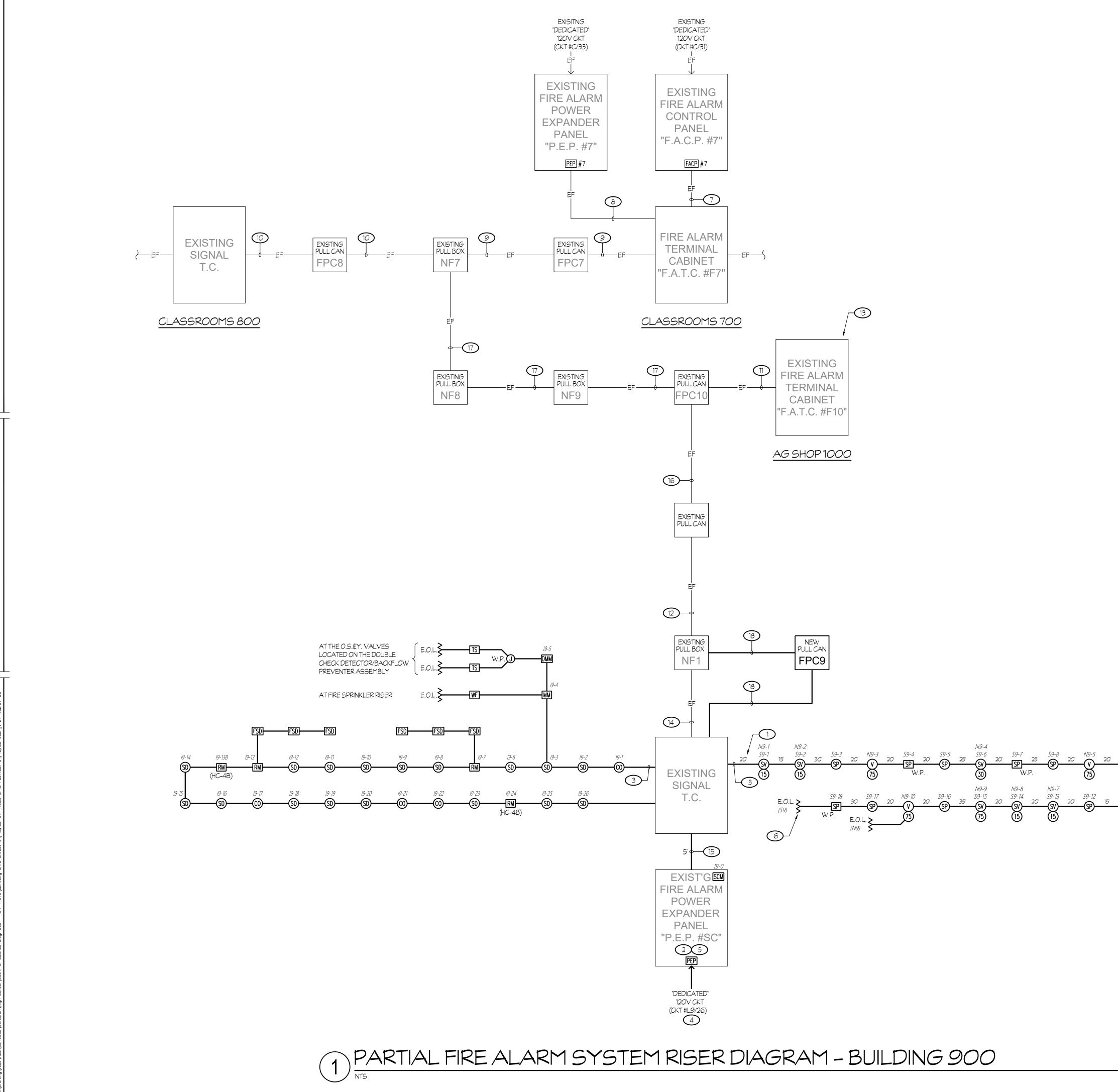
(CKT #LCP/17)

Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth - (559)733-2671 Visalia, California 93292-6705

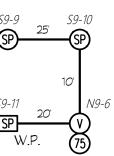


E2.3

PROJECT _____1751a



NOT	ES (THIS SHEET ONLY):	02-1
	LENGTHS INDICATED WERE USED FOR CALCULATIONS/DESIGN PURPOSES ONLY AND BASED UPON THE "DIAGRAMMATIC" LAYOUT SHOWN ON THE DRAWINGS. LENGTHS SHALL NOT BE USED FOR BIDDING.	IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-120394 INC: REVIEWED FOR
2	PROVIDE A COPY OF THE BATTERY CALCULATION FOR THE "RESPECTIVE" POWER EXPANDER PANEL (OR THE FIRE ALARM CONTROL PANEL "F.A.C.P."). THE BATTERY CALCULATION SHALL CONTAIN INFORMATION (AS NOTED ON THESE PLANS) AND BE PLASTIC LAMINATED. MOUNT ONTO INSIDE FACE OF PANEL	SS 🗹 FLS 🗹 ACS 🗹 DATE: <u>05/01/2023</u>
3	REFER TO RESPECTIVE FIRE ALARM PLAN FOR CONDUIT AND CABLING/ CONDUCTOR REQUIREMENTS, TYPICAL.	SED ARCHIN SHIBERT M. BARRIN
4	CIRCUIT BREAKER SHALL BE EQUIPPED WITH A LOCK-ON ACCESSORY, SPACEAGE #ELOCK-FA OR EQUAL. PROVIDE AN ENGRAVED NAMEPLATE: "FIRE ALARM CIRCUIT", WHITE LETTERS ON A RED BACKGROUND.	₩ No. C-33544
5	PROVIDE "END OF LINE" RESISTORS AT ANY UNUSED OUTPUTS.	FAT OF CALIF
6	DENOTES END OF LINE RESISTOR ON NOTIFICATION APPLIANCE CIRCUIT. RESISTORS SUPPLIED WITH CONTROL/EXPANDER PANELS AS REQUIRED. LOCATE RESISTORS AT END OF LINE APPLIANCES (CLASS "B" WIRING). TYPICAL.	DATE: <u>AUGUST 24, 2</u>
7	EXISTING 11/4"C - TWO "NFA" CABLES (NEW NETWORK FROM EXISTING FIRE ALARM TRANSPONDER "F.A.T. #1 IN C.T.E. BLDG. 1100), TWO "FA" CABLES (<i>SLC #1</i>), TWO "SFA" CABLES (<i>SLC #2</i>); 11/4"C - ONE "FSP" CABLE (SPKR CKT " <i>S7</i> "), THREE "SFSP" CABLES (SPKR CKTS " <i>S8</i> AND <i>S10</i> " PLUS "FUTURE" SPKR CKT " <i>S9</i> "; PLUS 11/4"C (SPARE) EQUIPPED WITH A NYLON PULL STRING.	
8	EXISTING 1"C - TWO "FA" CABLES (<i>SLC #1</i> , CLASS A), 6 #12 (NAC CKTS "N7, N8 AND N10); PLUS 1"C (SPARE) EQUIPPED WITH A NYLON PULL STRING.	
9	EXISTING 1 1/2"C - FOUR "SFA" CABLES (<i>SLC #1</i> AND <i>SLC #2</i> , CLASS A), THREE "SFSP" CABLES (SPKR CKTS " <i>S8</i> AND <i>S10</i> ", PLUS "FUTURE" SPKR CKT " <i>S9</i> "), 8 #12 (NAC CKTS " <i>N8</i> AND <i>N10</i> ", 4 #12 ARE SPARE); PLUS 1 1/2"C (SPARE) EACH EQUIPPED WITH A NYLON PULL STRING.	
10	EXISTING 1"C - TWO "SFA" CABLES (<i>SLC #1</i> , CLASS A), ONE "SFSP" CABLE (SPKR CKT " <i>S8 "</i>), 4 #12 (NAC CKT " <i>N8</i> ", 2 #12 ARE "SPARE"); PLUS 1 1/2"C (SPARE) EQUIPPED WITH A NYLON PULL STRING.	HIG
1	EXISTING 11/2"C - TWO "SFA" CABLES (<i>SLC #2</i> , CLASS A), TWO "SFSP" CABLES (SPKR CKT " <i>S10</i> ", PLUS "FUTURE" SPKR CKT " <i>S9</i> "), 4 #12 (NAC CKT " <i>N10</i> ", 2 #12 ARE "SPARE"); PLUS 11/2"C (SPARE) EQUIPPED WITH A NYLON PULL STRING. PULL-IN <u>NEW</u> TWO "SFA" CABLES (<i>SLC #2</i> , CLASS A FROM EXISTING F.A.C.P. #7), PLUS ONE "SFSP" CABLE (SPKR CKT " <i>S9</i> ") IN ONE OF THE SPARE CONDUITS.	
12	EXISTING 1"C EQUIPPED WITH THREE "SFA" CABLES, PLUS A NYLON PULL STRING. DISCONNECT AND REMOVE THE EXISTING CABLES AND PULL-IN <u>NEW</u> TWO "SFA" CABLES (<i>SLC #2</i> , CLASS A FROM EXISTING F.A.C.P. #7), PLUS ONE "SFSP" CABLE (SPKR CKT " <i>S9</i> ").	
13	PICK-UP THE EXISTING TWO "SFA" CABLES (<i>SLC #2</i> , CLASS A FROM EXISTING F.A.C.P. #7), PLUS ONE "SFSP" CABLE (SPKR CKT " <i>S9"</i>) INSIDE EXISTING FIRE ALARM TERMINAL CABINET AND EXTEND TO EXISTING SIGNAL T.C. IN BLDG. <i>900</i> .	ΞΟΩ;
14	EXISTING 3/4"C - TWO "SFA" CABLES (<i>SLC #2</i> , FROM EXISTING F.A.C.P. #2). DISCONNECT AND REMOVE THE EXISTING TWO "SFA" CABLES.	
15	1°C - TWO "FA" CABLES (SLC #2, CLASS A), PLUS 2 #12 (NAC CKT "N9").	
16	EXISTING TWO 1"C (SPARES). PULL-IN <u>NEW</u> TWO "SFA" CABLES (<i>SLC #2</i> , CLASS A FROM EXISTING F.A.C.P. #7), PLUS ONE "SFSP" CABLE (SPKR CKT "59") IN ONE OF THE SPARE CONDUITS.	
17	EXISTING 11/2"C – TWO "SFA" CABLES (<i>SLC #2</i> , CLASS A), TWO "SFSP" CABLES (SPKR CKT " <i>S10</i> ", PLUS "FUTURE" SPKR CKT " <i>S9</i> "), 4 #12 (NAC CKT " <i>N10</i> ", 2 #12 ARE "SPARE"); PLUS 11/2"C (SPARE) EQUIPPED WITH A NYLON PULL STRING.	
18	11/4"C - TWO "SFA" CABLES (<i>SLC #2</i> , CLASS A), ONE "SFSP" CABLE (SPKR CKT " <i>S9</i> "); PLUS 11/4"C (SPARE) EQUIPPED WITH A NYLON PULL STRING.	



AUTOMATIC FIRE SPRINKLER SYSTEM THIS BUILDING HAS AN AUTOMATIC FIRE SPRINKLER SYSTEM. HEAT DETECTORS HAVE BEEN OMITTED, IN CONCEALED ATTIC SPACES ABOVE CEILINGS AND SOFFITS, DUE TO THE AUTOMATIC FIRE SPRINKLER SYSTEM IS FULLY EQUIPPED IN THESE AREAS. C.F.C. 907.2.3.6.2.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).

> Electrical Consultants 131 S. Dunworth - (559)733-2671

Visalia, California 93292-6705

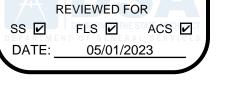


MODERNIZATION AT CORCORAN HIGH SCHOOL SCIENCE BUILDING 1100 LETTS AVE., CORCORAN, CA. 93212 OL Ο S FIED 5 AN Ο COR **ngini.** 0530 **WWW** (559) MANGINI Ū В **MAN** 4320 TITLE PARTIAL FIRE ALARM SYSTEM

RISER DIAGRAM

E2.4

PROJECT _____1751a



APPROVALS

APPLICATION # 02-120394

FILE # 16-H1

DATE: AUGUST 24, 2022

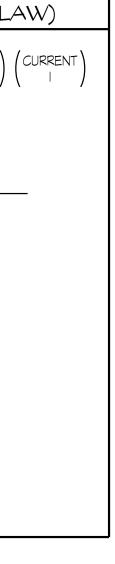
itting/Jobs/RSE/SCHOOLS/Corcoran/High School/Mod'n of Science Bldg. 900 - MM 1751a/E2.5.dwg DATE SAVED: 04/12/23 BY: Nicole DATE PLOTTED: 04/12/23 JOB #: 21-182.01-DS

VOLTAGE DROP CALCULATIONS (OHM'S L
VOLTAGE DROP = 2 $\begin{pmatrix} DC RESISTANCE AT 75^{\circ}C \\ FROM TABLE 8, C.E.C. \end{pmatrix} \begin{pmatrix} LENGTH OF CIRCUIT \\ 1000 \end{pmatrix}$
PERCENT VOLTAGE DROP = VOLTAGE DROP × 100
1. NOTIFICATION APPLIANCE CIRCUIT "N9":
(V) : 4 × 0.111 A = 0.444 A
(5) : 4 × 0.041 A = 0.164 A
(30) : 1 × 0.063 A = 0.063 A
$\begin{array}{c} (5)\\ (7)\\ (7)\\ (7)\\ (7)\\ (7)\\ (7)\\ (7)\\ (7$
VOLTAGE DROP = 2 (1.98) $\left(\frac{365'}{1000}\right)$ (0.782) = 1.1 V.D.
PERCENT VOLTAGE DROP = $\frac{1.1}{24} \times 100 = 4.6\%$

	SPEAKER dB LOSS CALCULATION										
SPEAKER CIRCUIT	SPEAKER VOLTAGE	WIRE SIZE	RESISTANCE PER FOOT	FEET REQUIRED ON CIRCUIT	WIRE RESISTANCE	TOTAL WATTAGE OF SPEAKERS ON CIRCUIT	SPEAKER CURRENT (AMPS)	RESISTANCE OF SPEAKER LOAD	WIRE SIZE	ACTUAL VOLTAGE AT SPEAKER LOAD	ACTUAL WATTS AT SPEAKER LOAD
59	70	18	0.1278	470'	6.01	22	0.31	222.73	18	68.162	20.860

NOTE:

CALCULATION IS BASED ON EACH OF THE "INTERIOR" SPEAKERS TAPPED AT 1 WATT AND EACH OF THE "EXTERIOR" SPEAKERS TAPPED AT 2 WATTS.

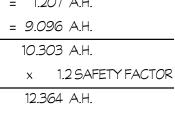


dB LOSS

-0.23

	EXISTING FIRE ALARM CONTROL PANEL "F.A.C.P. #7" BATTERY CALCULATION						
			STANDBY	CURRENT	ALARM CURRENT		
	DESCRIPTION	QUANTITY	EACH	SUB-TOTAL	EACH	SUB-TOTAL	
(A)	INTELLIGENT LOOP INTERFACE - MAIN BOARD	1	0.081	0.081	0.150	0.150	
	120V POWER SUPPLY	1	0.050	0.050	0.050	0.050	
	LCD TOUCHSCREEN ANNUN. DISPLAY	1	0.030	0.030	0.065	0.065	
	INTELLIGENT NETWORK INTERFACE	1	0.150	0.150	0.150	0.150	
	50W DIGITAL AUDIO AMPLIFIER	2	0.049	0.098	2.206	4.412	
	SMOKE DETECTOR	112					
	ATTIC HEAT DETECTOR	5			4)		
	SMOKE/CO DETECTOR	10					
			-				
	SMOKE DETECTOR	17					
	SMOKE/CO DETECTOR	4					
	MONITOR MODULE	1			4)		
	DUAL MONITOR MODULE	1	/				
	RELAY MODULE	З					
		TOTALS		0.379		4.827	

TOTAL ALARM CURRENT OF 4.827×0.250 (15 MINUTES)= 1.207 A.H.TOTAL STANDBY CURRENT OF 0.379×24 HOURS= 9.096 A.H.TOTAL AMP HOURS REQUIRED10.303 A.H.



THEREFORE THE EXISTING 18.0 AMP HOUR BATTERIES ARE ADEQUATE.

EXIST'G FIRE ALARM POWER EXPANDER PANEL								
"P.E.P. #SC" BATTERY CALCULATION								
DESCRIPTION	QUANTITY	SUPV.C	CURRENT	ALARM CURRENT				
DESCRIPTION		EACH	SUB-TOTAL	EACH	SUB-TOTAL			
EXPANDER PANEL	1	0.075	0.075	0.206	0.206			
SUPERVISED CONTROL MODULE	1	0.0003	0.0003	0.0003	0.0003			
75cd STROBE (CEILING)	4			O.111	0.444			
SPEAKER/15cd STROBE (CEILING)	4			0.041	0.164			
SPEAKER/30cd STROBE (CEILING)	1			0.063	0.063			
SPEAKER/75cd STROBE (CEILING)	1			O.111	O.111			
	TOTALS		0.075		0.988			

 TOTAL ALARM CURRENT OF 0.988 × 0.250 (15 MINUTES)
 =
 0.247 A.H.

 TOTAL SUPERVISORY CURRENT OF 0.075 × 24 HOURS
 =
 1.800 A.H.

 TOTAL AMP HOURS REQUIRED
 2.047 A.H.

= 0.247 A.H. = 1.800 A.H. 2.047 A.H. x 1.2 SAFETY FACTOR 2.456 A.H.

THEREFORE THE EXISTING PROVIDE 7.0 AMP HOUR BATTERIES ARE ADEQUATE.

TYPICAL BATTERY CALCULATION NOTES:

- (A) THE CURRENT VALUES LISTED INCLUDES THE MAXIMUM NUMBER OF ADDRESSABLE DEVICES ON BOTH OF THE SIGNALING LINE CIRCUITS "SLC" (159 ADDRESSABLE DETECTORS AND 159 ADDRESSABLE MODULES PER SIGNALING LINE CIRCUIT "SLC").
- (B) THE CURRENT VALUES LISTED ARE FOR THE STROBES ONLY. THE SPEAKER CURRENT IS INCLUDED IN THE VALUES LISTED UNDER THE DIGITAL AUDIO AMPLIFIER.

AUTOMATIC FIRE SPRINKLER SYSTEM

THIS BUILDING HAS AN AUTOMATIC FIRE SPRINKLER SYSTEM. HEAT DETECTORS HAVE BEEN OMITTED, IN CONCEALED ATTIC SPACES ABOVE CEILINGS AND SOFFITS, DUE TO THE AUTOMATIC FIRE SPRINKLER SYSTEM IS FULLY EQUIPPED IN THESE AREAS. C.F.C. 907.2.3.6.2.

COMPLETE AUTOMATIC FIRE ALARM SYSTEM PLAN SUBMITTAL

THE FIRE ALARM SYSTEM SHOWN ON THESE PLANS HAS BEEN SUBMITTED AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. ANY SUBSTITUTION OF THE FIRE ALARM SYSTEM SHALL BE RESUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL PAY ANY ADDITIONAL FEES THAT ARE INCURRED DUE TO THIS SUBSTITUTION.

THE FIRE ALARM SYSTEM SHALL BE A TOTAL (COMPLETE) AUTOMATIC HEAT AND SMOKE DETECTION SYSTEM, PER C.F.C. SECTION 907.2.3.6, AND SHALL COVER EVERY ROOM AND/OR AREA. UPON THE ACTIVATION OF ANY INITIATION DEVICE THE FIRE ALARM SYSTEM SHALL ALERT ALL OCCUPANTS AND TRANSMIT THE ALARM, SUPERVISORY, AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION (C.F.C. SECTION 907.2.3.5).



DETE: 05/01/2023

APPROVALS

FILE # 16-H1 APPLICATION # 02-120394

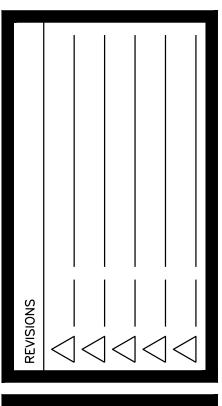
IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

REVIEWED FOR

SS 🗹 FLS 🗹 ACS 🗹

APP: 02-120394 INC:

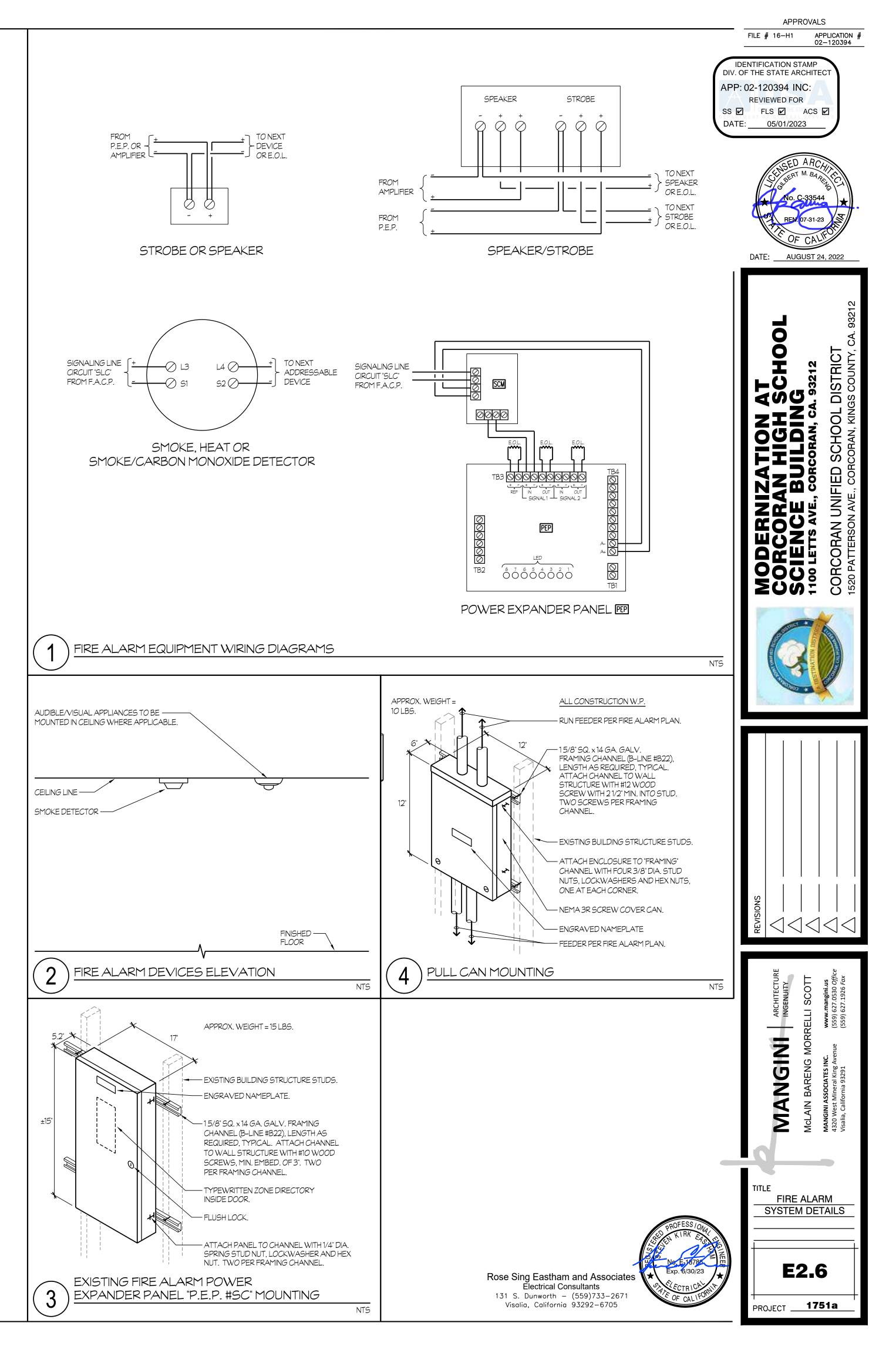




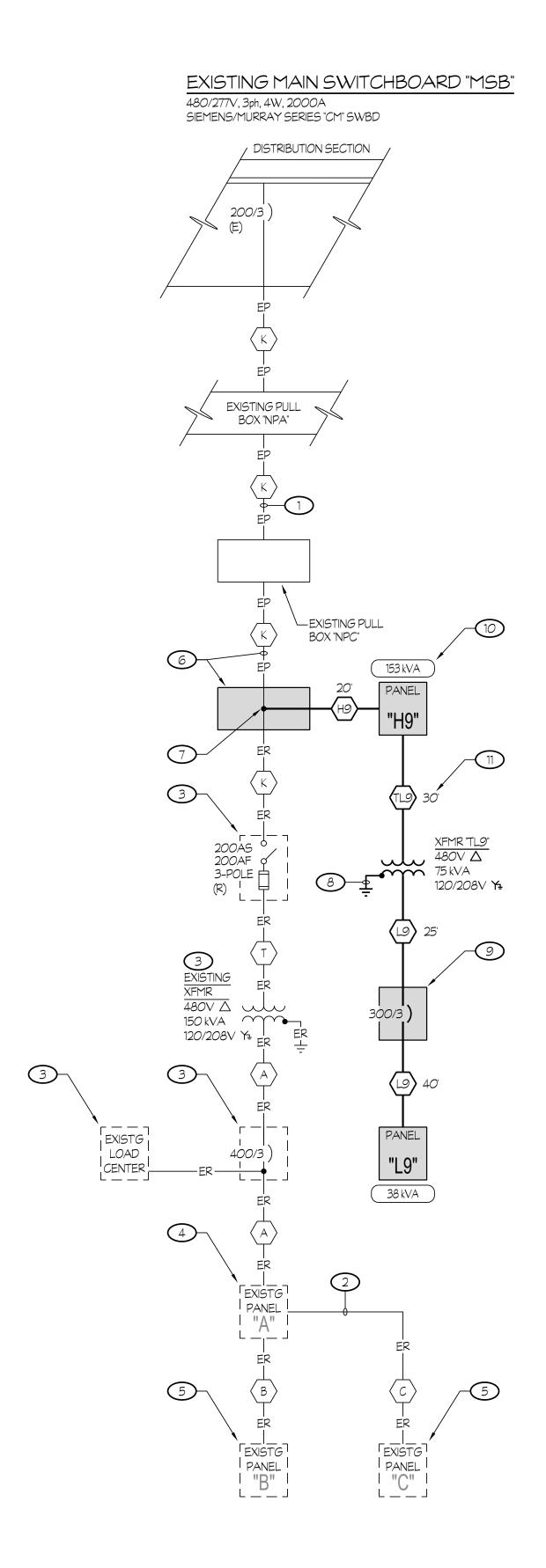
PROJECT 1751a

Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth – (559)733–2671 Visalia, California 93292–6705

itting/Jobs/RSE/SCHOOLS/Corcoran/High School/Mod'n of Science Bldg. 900 - MM 1751a/E2.6.dwg DATE SAVED: 12/09/22 BY: Nicole DATE PLOTTED: 04/12/23 JOB #: 21-182.01-DS







		FILE # 16-H1 APPLICATION # 02-120394
NOT	TES (THIS SHEET ONLY):	IDENTIFICATION STAMP
\bigcirc		DIV. OF THE STATE ARCHITECT
2		APP: 02-120394 INC: REVIEWED FOR
3	DISCONNECT AND REMOVE EXISTING "PRIMARY" DISCONNECT SWITCH, 150 kVA DRY-TYPE TRANSFORMER, "SECONDARY" ENCLOSED CIRCUIT BREAKER AND LOAD CENTER.	SS I FLS I ACS I DATE: 05/01/2023
4	DISCONNECT AND REMOVE EXISTING PANEL "A" WHICH CONSISTS OF TWO ENCLOSURES MOUNTED SIDE BY SIDE. THE LEFT-HAND ENCLOSURE CONTAINS THE 400/3 MAIN CIRCUIT BREAKER ALONG WITH THE 200/3 AND 125/3 SUB-FEED CIRCUIT BREAKERS. THE RIGHT-HAND ENCLOSURE CONTAINS THE 42 CIRCUIT PANELBOARD WITH VARIOUS BRANCH CIRCUIT BREAKERS. REMOVE ALL BRANCH CIRCUITS AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.	KINSED ARCHINC SHINERT M. BARE No. C-33544
5	DISCONNECT AND REMOVE EXISTING PANEL. REMOVE ALL BRANCH CIRCUITS AS REQUIRED TO CLEAR WAY FOR NEW CONSTRUCTION.	OF CALIFOR
6	INTERCEPT EXISTING "IDLE" FEEDER WITH <u>NEW</u> PULL BOX "NP9".	DATE: AUGUST 24, 2022
7	SPLICE EXISTING CONDUCTORS TO THE NEW CONDUCTORS WITH COMPRESSION CONNECTORS. ELECTRICAL CONTRACTOR SHALL PROVIDE COMPRESSION CONNECTORS WITH HEAVY-WALL HEAT SHRINK TUBING EQUIPPED WITH FACTORY APPLIED ADHESIVE/ SEALANT AS REQUIRED. ELECTRICAL CONTRACTOR SHALL ALSO FIELD VERIFY SIZE OF EXISTING FEEDER CONDUCTORS AND MATCH ACCORDINGLY.	93212
8	BOND AND GROUND THE REMOTE BUILDING SUB-PANEL AND TRANSFORMER "T9" PER DETAILS #8/E5.2 AND #9/E5.2.	
9	"SECONDARY" ENCLOSED CIRCUIT BREAKER IN A NEMA 3R ENCLOSURE.	
10	NUMERALS INSIDE SYMBOL DENOTE CONNECTED LOAD PLUS 25% OF L.C.L.	
11	LENGTHS INDICATED WERE USED FOR CALCULATION PURPOSES ONLY AND BASED UPON THE "DIAGRAMMATIC" LAYOUT SHOWN ON THE DRAWINGS. LENGTHS SHALL NOT BE USED FOR BIDDING.	DING RAN, CA. 3 HOOL D

EXISTING FEEDER SCHEDULE:

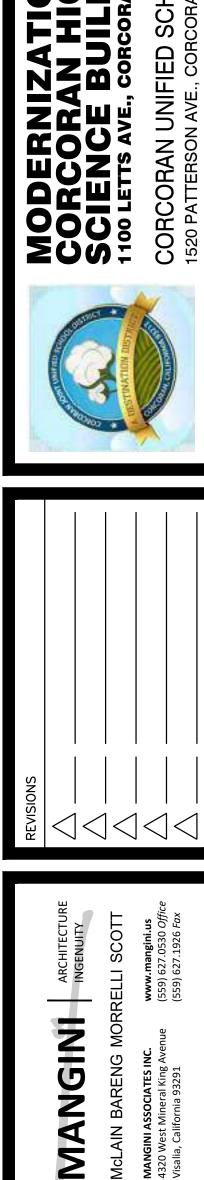
- $\langle A \rangle$ TWO 21/2"C 4 #4/O AL THW.
- (B) 21/2°C 4 #3/0 CU-THW.
- $\langle C \rangle$ 2"C 4 #1/O CU-THW.
- $\langle K \rangle$ EXISTING 3"C 4 #4/0 AL THW +1 #6 GND.

NEW FEEDER SCHEDULE:

(L9**)**

- (H9) 3"C 3 #4/0 AL THW.
 - 3°C 4 #350 kcmil + 1 #4 GND OR TWO 2°C 4 #1/0 + 1 #4 GND IN EACH CONDUIT.

TL9 11/2"C - 3 #1 + 1 #6 GND (CU-XHHW-2).



à

ONE LINE DIAGRAM

E3.1

McLAI mangin 4320 We

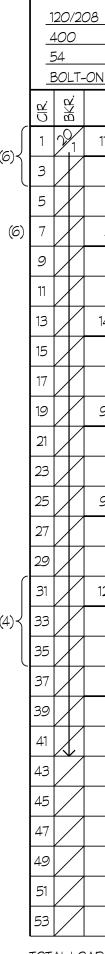
APPROVALS

Exp. 6/30/23 OF CAL PROJECT 1751a

TITLE

Rose Sing Eastham and Associates Electrical Consultants 131 S. Dunworth – (559)733–2671 Visalia, California 93292–6705

225	A. E			WIRE MAIN BKR.		61/2"	00 MA	4X. ENCL.	DEPT	Ή
	CIR - <u>ON CKT B</u>	CUIT <u>6KRS/PNLB</u>	<u>D_</u>	PAN	NEL "H9"	<u>SURF</u> NEM/	ACE A 3R	[*](JUNTI	NG
ВК ВК Л.	ØA	LOAD V.A ØB	v. I ØC	DESCRIPTION	DESCRIPTION	ØC	LOAD V ØB	.A. ØA	BKR.	Ę
1 23	3355			HC-1 AND EF-2A 12.1 FLA	HC-4A AND EF-3 20.7 FLA			5735	1/3	
3 /		3355			-		5735		\neq	4
5 /			3355		-	5735			\neq	6
7 23	2910			HC-2 AND EF-2B 10.5 FLA	HC-4B AND EF-3 20.7 FLA			5735	193	8
9 /		2910			<u> </u>		5735		\neq	10
11 /			2910		<u> </u>				\neq	12
13 23	3355			HC-2 AND EF-2B 12.1 FLA						14
15 /		3355								10
17 /			3355		-					18
19				-						20
21				-						2
23 /				-						2
25				-						2
27				-						2
29 /				-		-				3
31	-			-				-		3.
33				-						3.
35			-	-						30
37 3	20,000			XFMR "TL9"				-		38
39 🖌		20,000			-		-			40
41 /			20,000		-				1/	4



TOTAL LOAD: L.C.L. x 25%:

TY	<u>'PICA</u>
(1)	PROVIE AN ENC ONTO I
(2)	PROVIE
(3)	SUB-FE
(4)	PROVIE
(5)	PROVIE "DEDIC,
(6)	PROVIE FIXTURI ENGRA

 TOTAL LOAD:
 ØA:
 41,090
 V.A.
 ØB:
 41.090
 V.A.
 ØC:
 41,090
 V.A.

 L.C.L. × 25%
 9,775
 V.A.
 9,775
 V.A.
 9,775
 V.A.
 9,775
 V.A.

 50,865
 V.A.
 50,865
 V.A.
 50,865
 V.A.
 50,865
 V.A.

 184
 A
 184
 A
 184
 A
 184
 A

_ CIR(CKT B	CUIT KRS/PNLB	D_		Ĩ	PANE	EL "I	_9"		FLUS (2)	H	MC	UNTIN	G
ØA	LOAD V.A ØB	λ. ∣ØC	DES	GCRIPTION		DESCRIPTION			ØC	LOAD V ØB	/.A. <u>av</u> JØA 🛱		<u>n</u> U
740			LIGH	ITS - WRKR BIOLO	M, CLRM, GY, STOR.	RECEPT - CHEMISTRY					1440	291	2
	1895		-	- PHYSI - CHEM	65, 510K.,	-				1260			4
		615	-	EXTER	RIOR,	-			1440			\boldsymbol{X}	6
50				LIGHTS AND RGENCY LIG		-					1260	\boldsymbol{X}	8
	1440			EPT – BIOLO		-				1080			10
		1260	-			-			900			$\boldsymbol{\mathbb{Z}}$	12
40			-			-	- STOR	AGE			720	\boldsymbol{X}	14
	1440		-			-	- PHYS	ICS		1080			16
		1080	-			-			900			\boldsymbol{X}	18
00			-		,						900	\mathbf{V}	20
	1260		-	- CLAS - STOR	SROOM, RAGE	FIRE	/SMOKE DA	* MPERS		300			22
		1260	-				SPRINKLER C. BELL	RISER -	50			\mathbf{V}	24
00			-	- WOR	* <room< td=""><td>EXIS</td><td>TING FIRE ALA</td><td></td><td></td><td></td><td>435</td><td>\boldsymbol{V}</td><td>26</td></room<>	EXIS	TING FIRE ALA				435	\boldsymbol{V}	26
	360		-	- W.P. (ON ROOF	UTIL	ITY CONTRO EL "UCP-1"			720		I.	28
		540	-	EXTE - SERV	RIOR, /ICE YARD		STATION		1300			$\frac{1}{2}$	30
200			-		CART						1300	\neq	32
	1200		-		CART	SPA	RE					291	34
		1200			CART	REC	EPT – I.D.F.		900			\mathbf{V}	36
-			SPA			SPA	RE				-	\mathbf{V}	38
	-		-										40
				,					-			I.	42
													44
													46
													48
													50
						1							52
												1	54

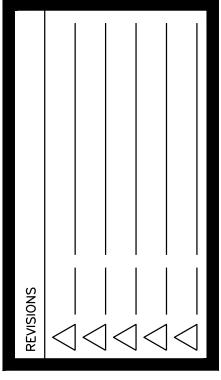


≻(5)

MODERNIZATION AT CORCORAN HIGH SCHO SCIENCE BUILDING 1100 LETTS AVE., CORCORAN, CA. 93212 FIED S **M**N Ο COR 1520 P

lool

S





PROJECT 1751a

TYPICAL PANEL SCHEDULE NOTES:

IDE A LOCK-ON DEVICE AT THIS CIRCUIT BREAKER, "RED IN COLOR", SPACEAGE #ELOCK-FA OR EQUAL. PROVIDE NGRAVED NAMEPLATE: "FIRE ALARM CIRCUIT", WHITE LETTERS ON A RED BACKGROUND. MOUNT NAMEPLATE) INTERIOR TRIM AND ADJACENT TO CIRCUIT BREAKER.

/IDE HANDLE TIES, BETWEEN ADJACENT CIRCUIT BREAKERS, TO COMPLY WITH C.E.C. 210.4 (B).

FEED CIRCUIT BREAKER.

VIDE A G.F.C.I. TYPE CIRCUIT BREAKER.

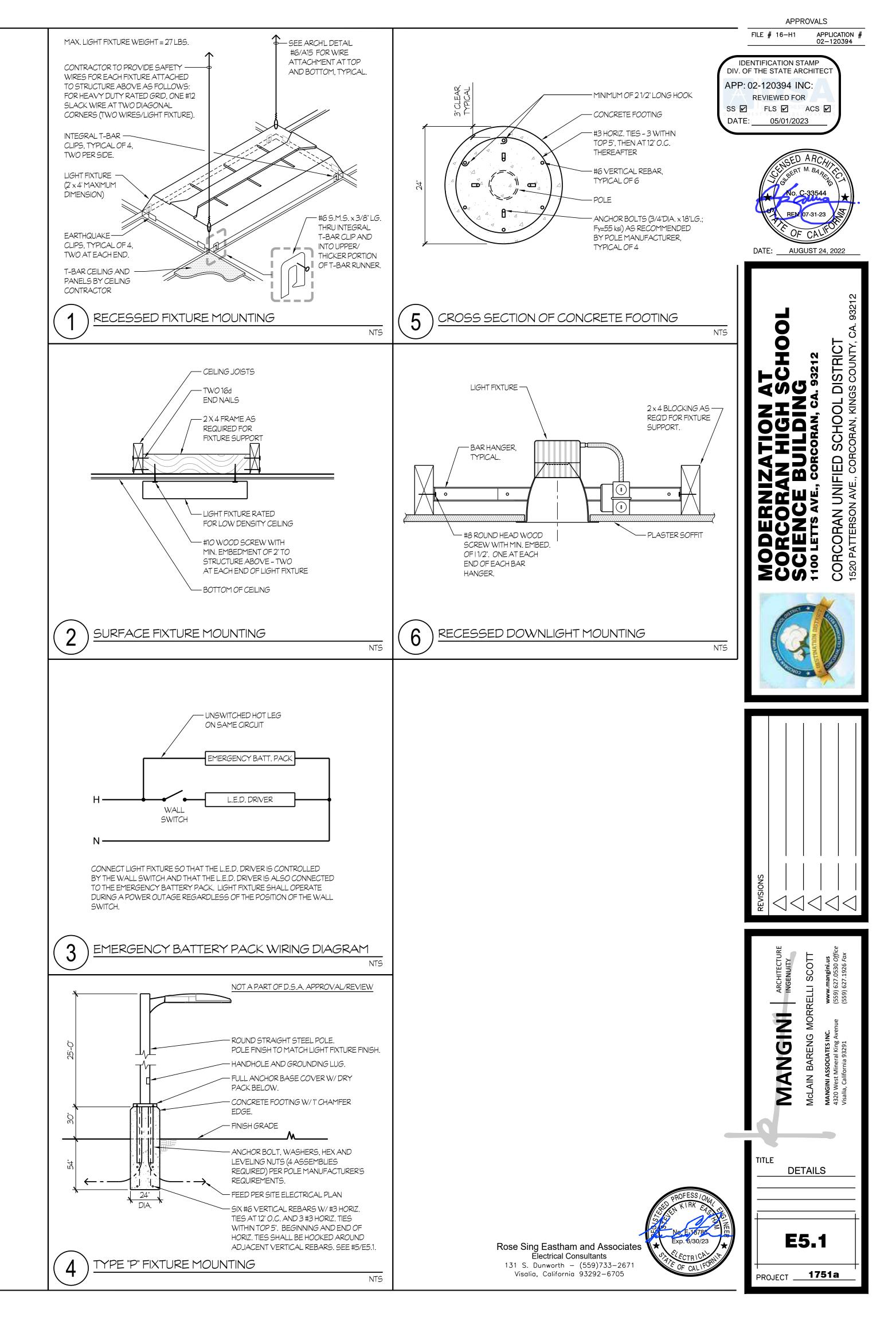
/IDE A LOCK-ON DEVICE AT THIS CIRCUIT BREAKER, "RED IN COLOR", SPACEAGE #ELOCK-FA OR EQUAL AT THIS CATED" CIRCUIT BREAKER.

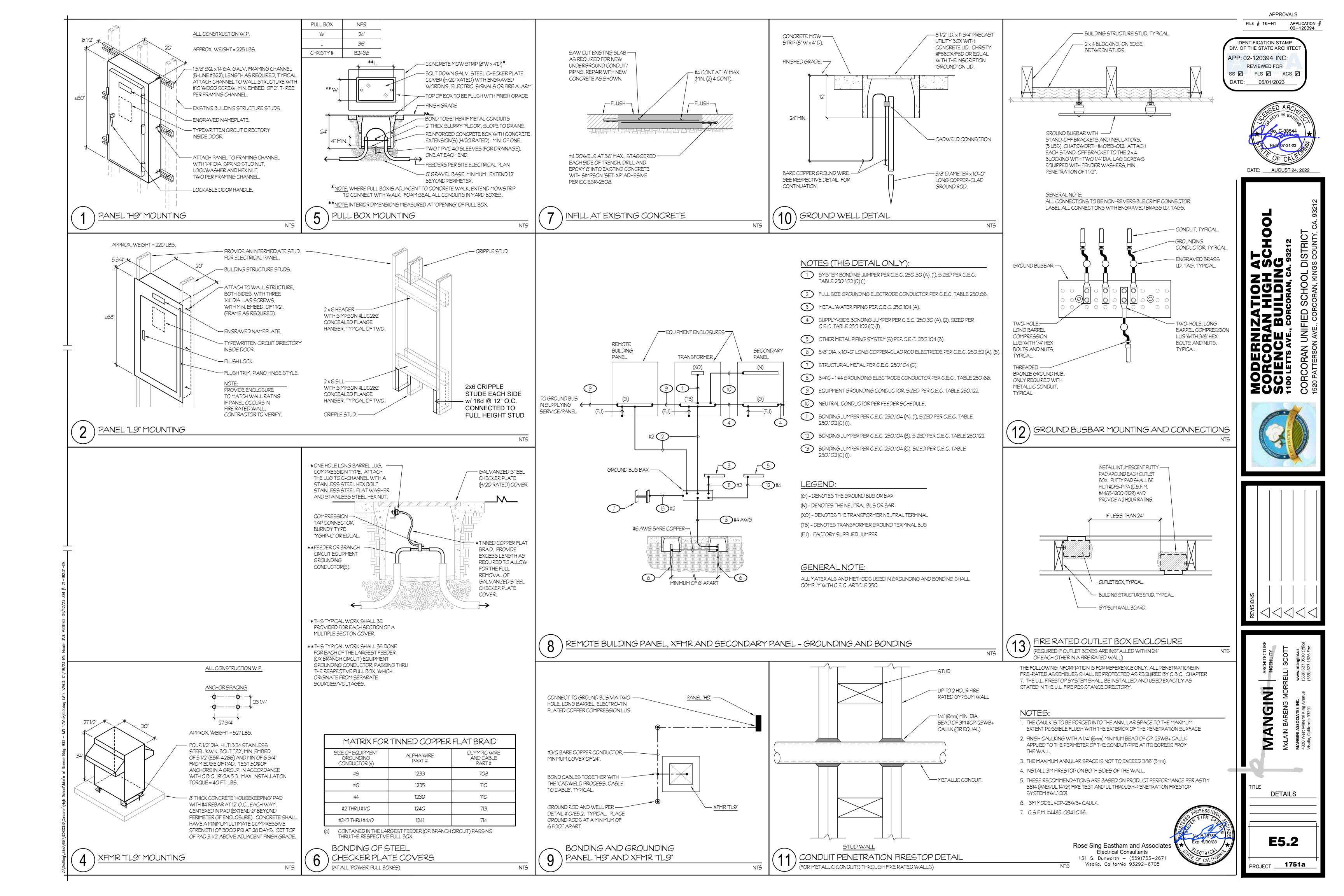
/IDE A LOCK-ON ACCESSORY AT THIS CIRCUIT BREAKER. THIS CIRCUIT BREAKER FEEDS EITHER EMERGENCY LIGHT IRES AND/OR EMERGENCY BATTERY PACKS WHICH PROVIDES THE EMERGENCY ILLUMINATION. PROVIDE AN AVED NAMEPLATE: "FEEDS EMERG. LTG.". BLACK LETTERS ON A WHITE BACKGROUND.





tting/Jobs/PSE/SCHOOLS/Corcoran/High School/Mod'n of Science Bldg. 900 - MM 1751a/E5.1.dwg DATE SAVED: 08/26/22 BY: Nicole DATE PLOTTED: 04/12/23 JOB #: 21-182.01-DS





		SIGNALS SYMBOLS
		ALL DIMENSIONS TO CENTER OF BOX, U.O.N.
		ELECTRICAL KEYNOTE #1, REFER TO NOTES ON SAME SHEET.
	U.O.N.	UNLESS OTHERWISE NOTED
	W.P.	WEATHERPROOF
	W.G.	WIRE GUARD
		TERMINAL CABINET (SIZE AS SHOWN)
	()	CONDUIT RUN IN WALL OR ATTIC
	()	CONDUIT RUN IN FLOOR OR UG
		CONDUIT STUB - CAPPED AND LABELED.
	\rightarrow	HOMERUN CONDUIT TO NEAREST CROSS CONNECT OR SOUND EQUIPMENT RAC
	[]	CONDUIT SLEEVE
	HC	HORIZONTAL CROSS-CONNECT
	SEC	INTRUSION ALARM PANEL
	WA	DATA OUTLET IN CEILING FOR WIRELESS ACCESS POINT, TWO CAT6A CABLES
ſ	◄	COMBO TELEPHONE/DATA OUTLET IN WALL (+18" U.O.N.), THREE CAT6 CABLES
(A)	TV	TELEVISION OUTLET, MOUNTED IN WALL (+96" U.O.N.) # HDMI TO OUTPUTS PER "A
	AV	AUDIO/VISUAL INPUT IN WALL (+18" U.O.N.) ONE HDMI TO INPUT
	Q	IP CAMERA, +102" AFF, ONE CAT6 CABLE
(B)	ÐS	INTERCOM CLOCK/SPEAKER COMBO (+84" U.O.N.), ONE CATG CABLE
(B)	E∀	PUBLIC ADDRESS HORN, FLUSH MOUNTED IN WALL, U.O.N. (WEATHERPROOF), ONE CATO
(A)	Q	DATA OUTLET IN WALL (+18" U.O.N.), ONE CATG CABLE OR # AS NOTED
(C)	K	INTRUSION ALARM KEY PAD (+48" U.O.N.)
	×	INTRUSION ALARM DOOR CONTACT IN DOOR FRAMING
	ELECI	TRICAL SYMBOLS NOTES:
	(A) ELEC WITH RUN 1- CEILIN	TRICAL CONTRACTOR SHALL PROVIDE A 5" SQUARE x 2 7/8" DEEP OUTLET BOX SINGLE GANG RAISED RING, DEPTH AS REQUIRED. UNLESS OTHERWISE NOTED, -1/4"C FROM OUTLET BOX AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE T-BA NG. PROVIDE AN INSULATING BUSHING, BRIDGEPORT #TWB-54 OR EQUAL, AT STU
	(B) ELEC	TRICAL CONTRACTOR SHALL PROVIDE SPECIAL BACK BOX PER MEG RECOMMENI

- (B) ELECTRICAL CONTRACTOR SHALL PROVIDE SPECIAL BACK BOX PER MFG RECOMMENDATIONS.
- (C) ELECTRICAL CONTRACTOR SHALL PROVIDE A 4-11/6" SQUARE x 21/8" DEEP OUTLET BOX WITH SINGLE GANG RAISED RING, DEPTH AS REQUIRED. UNLESS OTHERWISE NOTED, RUN RUN 3/4"C FROM OUTLET BOX AND STUB INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING. PROVIDE AN INSULATING BUSHING, BRIDGEPORT #TWB-52 OR EQUAL, AT STUB.

ASSISTIVE LISTENING SYSTEMS

PROVIDE ASSISTIVE LISTENING AS REQUIRED BY CBC SECTIONS 11B.219 & 11B.706 AND ADA 706. REFER TO SYSTEM SPECIFICATIONS 27 5120 FOR CLASSROOMS SYSTEMS. REFER TO DETAIL DRAWINGS FOR INSTALLED SOLUTIONS, CLASSROOM SYSTEMS ARE TO BE PORTABLE "BRIEFCASE" STYLE FOR USE WHEN REQUESTED BY USERS.

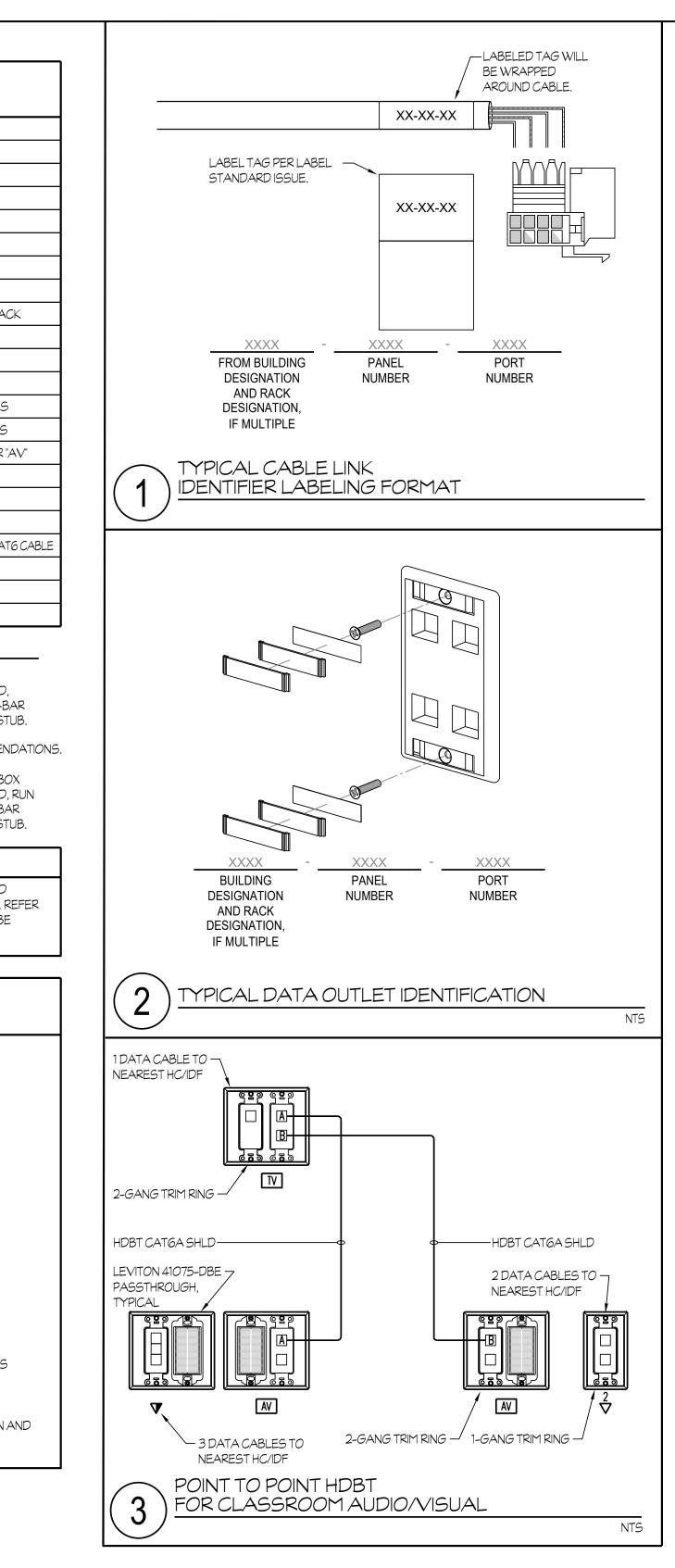
SIGNALS / TELECOMMUNICATIONS APPLICABLE CODES AND STANDARDS

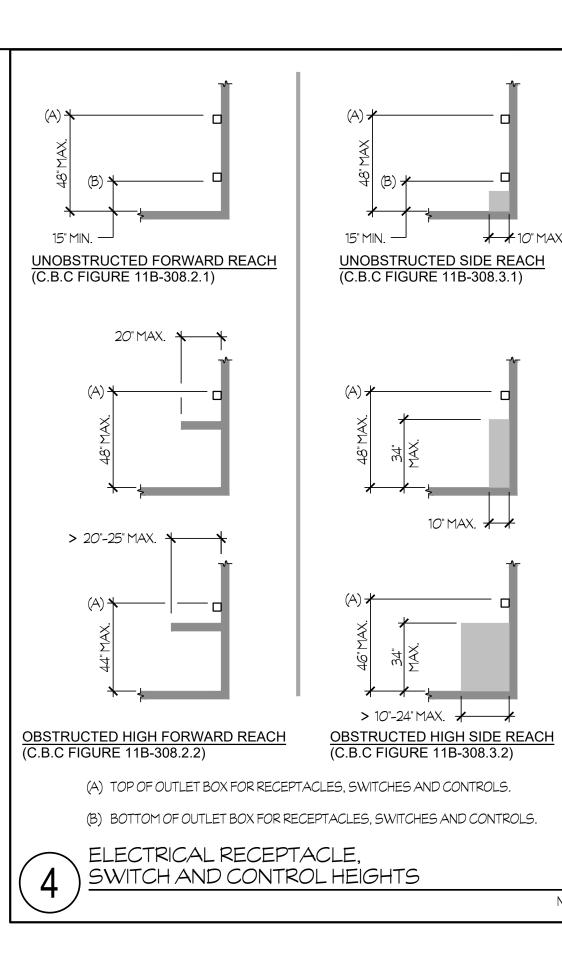
CODES:

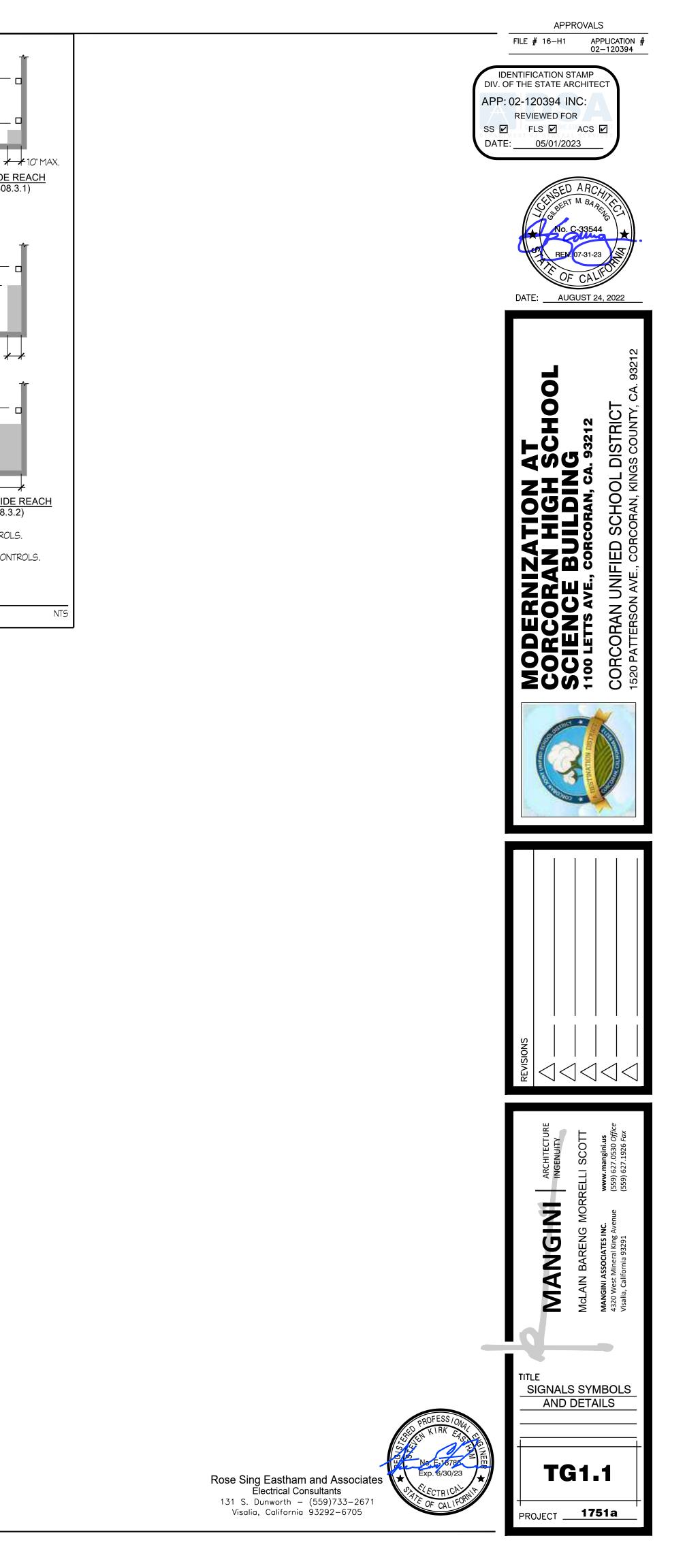
- 2019 CALIFORNIA BUILDING CODE (C.B.C.) (2018 INTERNATIONAL BUILDING CODE, VOLUMES 1 AND 2 WITH 2019 CALIFORNIA AMENDMENTS) ASSISTIVE LISTENING SYSTEMS SECTIONS 11B.219 AND 11B.706
- 2019 CALIFORNIA ELECTRICAL CODE (C.E.C.)
- (2017 NATIONAL ELECTRICAL CODE WITH 2019 CALIFORNIA AMENDMENTS)

STANDARDS AND GUIDES:

- NFPA 72 NATIONAL FIRE ALARM CODE, 2016 EDITION (CALIFORNIA AMENDED)
- ADAAG AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES ASSISTIVE LISTENING SYSTEMS SECTION 706
- ANSI/BICSI TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL (TDMM), 13TH EDITION OR NEWER.
- ANSI/BICSI 001-2017 INFORMATION AND COMMUNICATION TECHNOLOGY SYSTEMS DESIGN AND IMPLEMENTATIONS BEST PRACTICES FOR EDUCATIONAL INSTITUTIONS AND FACILITIES.
- ANSI/BICSI 005-2016 ELECTRONIC SAFETY AND SECURITY (ESS) SYSTEM DESIGN AND IMPLEMENTATIONS BEST PRACTICES.









NOTES (THIS SHEET ONLY): 1 TYPICAL OF EXISTING WIRING DEVICES, LOCATED IN WALLS TO REMAIN, KEYNOTED WITH SUBSCRIPT "RR", U.O.N.: DISCONNECT, REMOVE EXISTING WIRING, DEVICES AND REPLACE WITH NEW OR RETROFIT (E) DEVICE AS SPECIFIED. 2 WHERE EXISTING DEVICES ARE LOCATED IN SURFACE MOUNTED RACEWAYS AND WALLS ARE SCHEDULED FOR NEW FINISH. REMOVE RACEWAYS AND PROVIDE NEW DATE: 05/01/2023 CONCEALED 1" NON-METALLIC "ENT" CONDUIT WITH LOW VOLTAGE TRIM RING. 3 EXISTING DATA CABINET TO REMAIN. REMOVE AND REPLACE SIGNAL WIRING FROM ALL DEVICES AND REPLACE WITH NEW TERMINATION HARDWARE. FIBER OPTICS, NETWORK EQUIPMENT SHALL REMAIN, NO WORK REQUIRED. (4) EXISTING INTRUSION ALARM PANEL TO BE UPGRADED. REMOVE INTERNAL BOARDS AND REPLACE WITH NEW. RECONNECT EXISTING AND NEW DEVICES AS SHOWN. 5 EXISTING INTERCOM SPEAKER/CLOCK COMBO TO BE REMOVED AND REPLACED. PROVIDE NEW CAT6 CABLING FROM NEAREST "HC" CABINET. 6 FLUSH MOUNT 5" SQ. x 2 7/8" DP. OUTLET BOX EQUIPPED WITH A BLANK COVER AND CENTER BETWEEN THE COUNTERTOP OF THE UPPER TABLE AT +40" A.F.F. AND THE COUNTERTOP OF THE LOWER TABLE AT +34" A.F.F.. COORDINATE THE EXACT LOCATION WITH THE GAS TURRET AND MAKE ARRANGEMENTS WITH CABINETRY MANUFACTURER TO PROVIDE THE REQUIRED OPENING FOR THE RESPECTIVE CUT-IN BOX. 7 FLUSH MOUNT G.F.C.I. DUPLEX RECEPTACLES IN THE SIDE OF THE TEACHER DEMONSTRATION TABLE AND AT THE END OF THE ELECTRICAL/PLUMBING CHASE. 8 PROVIDE A 11/4"C (EQUIPPED WITH A NYLON PULL STRING) AND RUN TO NEAREST FULL HEIGHT WALL. TURN 90°, RUN UP INSIDE WALL AND STUB INTO THE ACCESSIBLE ATTIC SPACE ABOVE THE T-BAR CEILING. PROVIDE AN INSULATING BUSHING, BRIDGEPORT

3 SAWCUT AND PATCH EXISTING CONCRETE SLAB/CURB AS REQUIRED. REFER TO DETAIL #7/E5.2 AND DETAILS #33 AND #34/S7.1 FOR ADDITIONAL INFORMATION/ REQUIREMENTS.

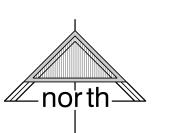
#TWB-54 OR EQUAL, AT STUB.

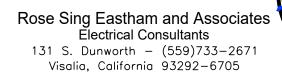
	ROOM LEGEND						
#	ROOM NAME						
901	PHYSICS						
902	STORAGE						
903	CHEMISTRY						
904	STORAGE						
905	STORAGE						
906	WORKROOM						
907	CLASSROOM						
908	BIOLOGY						
909	STORAGE						
910	WORKROOM						

WALL LEGEND

.

1-HOUR RATED WALL, CONTINUOUS VERTICALLY FROM FLOOR TO BOTTOM OF ROOF FRAMING.











APPROVALS FILE # 16-H1 APPLICATION #

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITEC

REVIEWED FOR

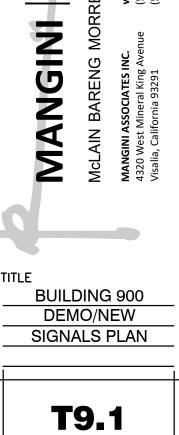
SS 🗹 FLS 🗹 ACS 🗹

APP: 02-120394 INC:

02-120394

DATE: <u>AUGUST 24, 2022</u>

0 **DH** Ċ) N DIST .0 66 ŢGŴĄ. N HIGH



PROJECT 1751a

G