ABBREVIATIONS

☐	Square Tubing	IC.	Intercom
&	And	I.D.	Inside Diameter (Dim.)
∠	Angle	INSUL.	Insulation
@	At	INT.	Interior
℄	Centerline	INV.	Invert
Ø	Diameter or Round	INCL.	Include
⊥	Perpendicular		
#	Pound or Number	JAN.	Janitor
(E)	Existing	JT.	Joint
(N)	New	JST.	Joist
w/	With		
℄	Plate	KIT.	Kitchen
o/	Over	KO.	Knockout
A.B.V.	Above	LAB.	Laboratory
A.B.	Anchor bolt	LAM.	Laminate
A.C.	Asphaltic Concrete	LAV.	Lavatory
ACOUS.	Acoustical	LB.	Pound
ADDN.	Addition	L.F.	Lineal Foot / Feet
ADJ.	Adjustable	LIB.	Library
A.F.F.	Above Finished Floor	LKR.	Locker
AGGR.	Aggregate	LBL.	Label
ALUM.	Aluminum	LVR.	Louver
ALT.	Alternate		
APPROX.	Approximate	MACH.	Machine
ARCH.	Architectural	MAS.	Masonry
ASB.	Asbestos	MATL.	Material
ASPH.	Asphalt	MAX.	Maximum
A/C	Air Conditioning	M.C.	Medicine Cabinet
		M.D.O.	Medium Density Overlay
BEL.	Below	MECH.	Mechanical
BD.	Board	MEMB.	Membrane
BLDG.	Building	MTL.	Metal
BLK.	Block	MEZZ.	Mezzanine
BLKG.	Blocking	MFG.	Manufacturing
B.M.	Beam	MFR.	Manufacturer
BOT.	Bottom	MH.	Manhole
BTWN.	Between	MIN.	Minimum
B.W.	Both ways	MIR.	Mirror
		MISC.	Miscellaneous
CAB.	Cabinet	M.O.	Masonry Opening
C.B.	Catch Basin	M.T.	Metal Threshold
CEM.	Cement	MTD.	Mounted
CER.	Ceramic	MUL.	Mullion
CH.BD.	Chalkboard	MOD.	Modular
CHG.	Change		
CHAM.	Chamfer	N.	North
C.I.	Cast Iron	NAT.	Natural
CLG.	Ceiling	N.I.C.	Not In Contract
CLOSET		NO. or #	Number
CLR.	Clear	NOM.	Nominal
C.M.U.	Concrete Masonry Unit	N.T.S.	Not to Scale
CNTR.	Counter		
CO.	Clean out	OA.	Overall
COL.	Column	OBS.	Obscure
COMB	Combination	O.C.	On Center
COMPO.	Composition	O.D.	Outside Diameter (Dim.)
CONN.	Connection	O.F.C.I.	Owner Furnished Contractor Installed
CONST.	Construction		
CONT.	Continuous	O.F.O.I.	Owner Furnished Owner Installed
CORR.	Corridor		
COT.	Clean out thru floor	OFF.	Office
COTG.	Clean out to grade	OPNG.	Opening
COTW	Clean out thru wall	OPP.	Opposite
CPT.	Carpet	ORIG.	Original
CTR.	Center		
CTSK.	Countersunk	PERF.	Perforated
C.T.	Ceramic Tile	PL.	Plate
C.F.C.I.	Contractor Furnished Contractor Installed	P.LAM	Plastic Laminate
		PLAS.	Plaster
CEM. PLAS.	Cement Plaster	PLYD.	Plywood
C.J.	Ceiling Joist	PNL.	Panel
		POL.	Polish
DBL.	Double	PR.	Pair
DEPT.	Department	PRECST.	Pre-Cast
DET.	Detail	PREFAB.	Prefabricated
D.F.	Drinking Fountain	P.S.F.	Pre-finished Steel Frame
DIA.	Diameter	P.S.I.	Pounds Per Square Inch
DIAG.	Diagonal	PT.	Paint
DIM.	Dimension	P.T.D.	Paper Towel Dispenser
DISP.	Dispenser	PTN.	Partition
DISPOS.	Disposal	P.T.R.	Paper Towel Receptacle
DN.	Down	PERIM.	Perimeter
DR.	Door		
DS.	Downspout	QT.	Quarry Tile
D.S.P.	Dry Standpipe		
D.J.J.	Deep Tooled Joint	RW.	Room
DWG.	Drawing	R.	Riser
DWR.	Drawer	RAD.	Radius
		R.D.	Roof Drain
E.	East	REF.	Reference
EA.	Each	REFR.	Refrigerator
E.D.F.	Electric Drinking Fountain	REGTR.	Register
E.J.	Expansion Joint	REINF.	Reinforced
EL.	Elevation	REQ.	Required
ELEC.	Electrical	REV.	Revision
ELEV.	Elevator	REFL.	Reflected
EMER.	Emergency		
ENCL.	Encl.	S.	South
E.P.	Electrical Panelboard	S.C.	Solid Core
EQ.	Equal	SCH.	Schedule
EQPT.	Equipment	S.D.	Storm Drain
EXH.	Exhaust	SEC.	Section
EXIST.	Existing	SHLF	Shelf
EXPO.	Exposed	SHLV.	Shelving
EXT.	Exterior	SHT.	Sheet
		SHTH.	Sheathing
F.A.	Fire Alarm	SIM.	similar
F.D.	Floor Drain	S / P	Shelf & Pole
FDN.	Foundation	SPEC.	Specification (s)
F.E.	Fire Extinguisher	SQ.	Square
F.E.C.	Fire Extinguisher Cabinet	S. ST.	Stainless Steel
F.F.	Finish Floor	STD.	Standard
F.G.	Fixed Glass	STL.	Steel
F.H.	Fire Hydrant	STO.	Storage
F.H.C.	Fire Hose Cabinet	SYS.	System
F.H.M.S.	Flat Head Machine Screw		
F.H.W.S.	Flat Head Wood Screw	T.	Tread
FIN.	Finish	T.B.	Towel Bar
FIX.	Fixture	T & B	Top & Bottom
F.J.	Floor Joist	T.C.	Top of Curb
F.L.	Flow Line	T.C.B.	Top of Catch Basin
FLASH.	Flashing	TEL.	Telephone
FLR.	Floor	TER.	Terrazza
FLUOR.	Fluorescent	T & G	Tongue and Groove
F.O.C.	Face of Concrete (or column)	THK.	Thick (ness)
		T.J.	Tool Joint
F.O.F.	Face of Finish	TKBD.	Tackboard
F.O.G.	Face of Girt	T.M.	Top of Masonry
F.O.M.	Face of Masonry	T.O.B.	Top of Beam
F.O.S.	Face of Studs	T.O.C.	Top of Curb / Concrete
FPRF.	Fireproof	T.S.	Top of Sheathing
F.S.	Floor Sink	T.S.B.	Top Set Base
FT.	Foot or Feet	TYP.	Typical
FTG.	Footing		
FURR.	Furring	U.O.N.	Unless Otherwise Noted
FUT.	Future		
		VAR.	Varnish
GA.	Gauge	VB.	Vapor Barrier
GALV.	Galvanized	V.C.T.	Vinyl Composition Tile
G.B.	Grab Bar	VERT.	Vertical
G.I.	Galvanized Iron		
GL.	Glass	W.	West
GND.	Ground	WIN.	Window
GR.	Grade	W / O	Without
GYP.	Gypsum	W.W.F.	Welded Wire Fabric
GYP. BD.	Gypsum Wallboard		
HDR.	Header		
H.B.	Hose Bibb		
H.C.	Hollow Core		
HCP.	Handicap		
HDW.	Hardware		
HDWD.	Hardwood		
H.M.	Hollow Metal		
HORIZ.	Horizontal		
HR.	Hour		
HT.	Height		
H.V.A.C.	Heat / Vent / Air Cond.		

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

GENERAL NOTES

1. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM WITH THE LATEST APPLICABLE PORTIONS AND ADDITIONS OF THE FOLLOWING CODES:
   Title 24, Part 2, C.C.R.: 1991 C.B.C. (1991 U.B.C. w/ California amendments)
   Title 24, Part 3, C.C.R.: 1991 C.E.C. (1991 N.E.C. w/ California amendments)
   Title 24, Part 4, C.C.R.: 1991 C.M.C. (1991 U.M.C. w/ California amendments)
   Title 24, Part 5, C.C.R.: 1991 C.P.C. (1991 U.P.C. w/ California amendments)
   STANDARDS.
   UNIFORM MECHANICAL CODE, (1991 EDITION).
   UNIFORM PLUMBING CODE, (1991 EDITION).
   RULES AND REGULATIONS OF THE STATE FIRE MARSHALL T-19.
2. NOTHING IN THE DRAWINGS AND/OR SPECIFICATION SHALL BE CONSTRUED TO PERMIT AN INSTALLATION IN VIOLATION OF APPLICABLE CODES AND/OR RESTRICTIONS. SHOULD ANY CHANGES IN THE DRAWINGS AND/OR SPECIFICATIONS BE NECESSARY IN ORDER TO COMPLY WITH APPLICABLE CODES AND/OR REQUIREMENTS , THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AT ONCE AND CEASE WORK ON ALL PARTS OF THE CONTRACT WHICH ARE AFFECTED.
3. THE CONTRACTOR SHALL VERIFY THE CONDITION OF THE SITE AND REPORT ALL DESCREPENCIES BETWEEN THESE PLANS AND EXISTING CONDITIONS TO THE ARCHITECT PRIOR TO SUBMITTAL OF BID.
4. CHECK AND VERIFY ALL DIMENSION BEFORE PROCEEDING WITH THE WORK. REPORT DESCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING.
5. CONTRACTOR SHALL PROTECT ALL EXISTING WORK. ANY DAMAGED WORK SHALL BE REPLACED WITH MATCHING MATERIALS, COLOR, AND TEXTURE, AT CONTRACTORS COST.
6. RELATED WORK INCIDENTAL TO THE COMPLETION OF AN INDIVIDUAL CONTRACTOR'S SCOPE OF WORK (i.e. REMOVAL, UTILITY DISCONNECT / RECONNECT, INSULATION, PATCH AND MATCH, ETC.) - UNLESS SPECIFICALLY NOTED TO BE PERFORMED BY OTHERS - SHALL BE THE RESPONSIBILITY OF THE PRIME CONTRACTOR FOR THE GIVEN WORK INDICATED.
7. INDIVIDUAL CONTRACTORS SHALL BE RESPONSIBLE FOR THEIR OWN CLEAN-UP AS WORK PROGRESSES.
8. DO NOT SCALE DRAWINGS: VERIFY DIMENSIONS, DATA AND MEASUREMENTS AT THE BUILDING SITE. WRITTEN DIMENSIONS TAKE PRECEDENT OVER DRAWINGS ; SIMILARLY , LARGE SCALE DETAILS TAKE PRECEDENT OVER GENERAL DRAWINGS.
9. MULTI-PURPOSE OCCUPANCY CALCULATIONS PER TABLE 33-A
   4425 S.F. / 330 S.F. = 4095 S.F.
   4095 S.F.
   7 S.F. PER OCC. = 585 OCC.
   540 ASSEMBLY OCCUPANTS
   252 DINING OCCUPANTS
10. LIBRARY CALCULATIONS PER TABLE 33-A
    1384 S.F. / 20 S.F. PER OCC. = 69 OCC. TWO EXITS PROVIDED
11. PRIMARY, INTERMEDIATE CLASSROOM OCCUPANCY CALCULATIONS PER TABLE 33-A FOR ONE CLASSROOM
    891 S.F. / 20 S.F. PER OCC. = 45 OCC. ONE EXIT PROVIDED
    882 S.F. / 20 S.F. PER OCC. = 44 OCC. ONE EXIT PROVIDED
12. KINDERGARTEN, PRIMARY OCCUPANCY CALCULATIONS PER TABLE 33-A
    • 110 PRIMARY 1037 S.F. / 20 S.F. PER OCC. = 52 OCC. TWO EXITS PROVIDED
    KINDERGARTEN 1048 S.F. / 20 S.F. PER OCC. = 52 OCC. TWO EXITS PROVIDED
13. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS.
14. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDEBDUM OR A CHANGE ORDER APPROVEDBY THE OFFICE OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
15. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE OFFICE OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
16. FOOD HANDLING FACILITIES SHALL COMPLY WITH ALL LOCAL HEALTH REQUIREMENTS AND CALIFORNIA UNIFORM RETAIL FOOD FACILITIES LAW.
17. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

BUILDING SUMMARY

CODE ANALYSIS

		SQ. FT. BY USE	OCCUPANCY	TYPE OF CONSTRUCTION	FIRE SPRINKLERS	# OF STORIES	MAX HEIGHT	# OF OCCUPANTS
	LOUNGE	825.4997	B-2	V-1 HR	NO	ONE	32'	55
	LOBBY	558.8314	B-2	V-1 HR	NO	ONE	32'	80
	MULTI	4,425.8357	A-2.1	V-1 HR	NO	ONE	32'	585 (9)
	STAGE	2,023.5130	A-2.1	V-1 HR	YES	ONE	32'	134
"C"	KITCHEN	2,312.9665	A-2.1	V-1 HR	NO	ONE	20'	11
	OTHER	715.1643	B-2	V-1 HR	NO	ONE	32'	7
	TOTAL B-2	2,099.4954						
	TOTAL A-2.1	10,861.8300						
	TOTAL BUILDING	12,961.2750						
	LIBRARY	1,792.0929	E-1	V-N	NO	ONE	24'	69(70)
"A"	ADMINISTRATION	3,967.6281	B-2	V-N	NO	ONE	24'	40
	TOTAL BUILD.	5,759.7210						
"D"	KINDERGARTEN	3,563.1519	E-1	V-N	NO	ONE	24'	52(12)
"E"	INTERMEDIATE CLASSROOM	6,363.6672	E-1	V-N	NO	ONE	24'	45(11)
"F"	PRIMARY /INTERMEDIATE CLASSROOM	6,363.6672	E-1	V-N	NO	ONE	24'	45(11)

FIRE-RESISTIVE REQUIREMENTS

MATERIAL	FLAME SPREAD CLASSIFICATION	SMOKE DEVELOPED RATING
SUSPENDED ACOUSTICAL CEILINGS	CLASS I 0-25	0-450
TACKABLE WALL COVERING IN ROOMS	CLASS III 76-200	0-450
TACKABLE WALL CON. IN CORR.	CLASS I 0-25	0-450
WALL COVERING	CLASS I 0-25	0-450
ACOUSTICAL WALL PANELS	CLASS I 0-25	0-450
BUILDING INSULATION	CLASS I 0-25	0-50
HVAC & PLUMBING INSULATION	CLASS I 0-25	0-450

NOTES:
1. TESTED PER UBC STANDARD 42-1 TUNNEL TEST.
2. INSULATION MATERIALS MAY BE CLASS III WHEN IN MEETING REQUIREMENTS OF UBC 1713.C EXCEPTION #2

ROOFING REQUIREMENTS

		CONGLAS	GAF	MANVILLE
ROOFING - 4 PLY				
BUILT UP ROOFING	CLASS B	R7290 (N)	R1306 (N)	R10167 (N)

FLAME RESISTANT REQUIREMENTS
CURTAINS NFPA TEST 701 LARGE & SMALL SCALE TEST

FIRE SEPARATION	MULTI-KIT-1 HR CONSTRUCTION W\1 HR DOORS ADMIN-LIB-1 HR CONSTRUCTION W\1 HR DOORS KIT – LOUNGE – 1 HR CONSTRUCTION W\1 HR DOORS ALL STORAGE ROOMS 1 HR CONSTRUCTION W\1 HR DOORS (see detail #6.1.05) KIT – GENERAL STG. – 1 HR CONSTRUCTION W\1 HR DOORS
SHAFT ENCLOSURES	1-HR ROOF-CEILING ASSEMBLY AT BUILDING "C" (MULTI – PURPOSE /KITCHEN) see detail #'s 9.2.34, 9.2.35
OCCUPANT SIGNS CORRIDORS	POST OCCUPANT LOAD SIGNS FOR MULTI-P (585) & LIBRARY (69) MULTI-P LOBBY W\20-MIN DOORS
DRAFT STOPS	ATTICS, MANSARDS, OVERANGS & OTHER CONCEALED ROOF SPACES, 3000 SQ. FT. MAX. AREA, 60' MAX. HORIZONTAL LENGTH. 3 / 8" PLYWOOD or 1/2" GYP. BD.
FIRE SPRINKLERS	REQUIRED @ STAGE & ACCESSORY ROOMS NO. 109, 110, 111, 112, 118, & 119.
SMOKE HATCH @ STAGE	64 S.F. PROVIDED 55 S.F. REQUIRED
CONDUIT PENETRATIONS @	RATED WALLS – SEE DETAIL 6.1.06

CODE AREA CALCULATIONS

AREA CODE CALCULATIONS

BUILDING 'A' = TYPE V-N

E.1 1,792.0929 − 9.100 = 0.197 + B.2 3967.6281 − 8.000 = 0.496 = 0.692 < 1 OK

BUILDING 'C' = TYPE V-HR

B.2 2099.4454 − 14.000 (1.5) = 21.000 = 0.10 + A2.1 10861.8300 − 10.500 (1.5) = 15.750 = 0.69 = 0.79 < 1 OK

SEPERATION ON 2 SIDES

LEGAL DESCRIPTION

ALL THOSE PORTIONS OF THE NORTHWEST QUARTER OF SECTION 20, T.29 S R.29E, M.D.M, CITY OF BAKERSFIELD, COUNTY OF KERN, STATE OF CALIFORNIA ALSO BEING A PORTION OF PARCEL 4 OF PARCEL MAP NO.2465 RECORDED APRIL 16, 1975 IN BOOK 13 OF PARCEL MAPS AT PAGE 105 IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID PARCEL 4; THENCE S. 0° 40' 11" W. ALONG THE EAST LINE OF SAID PARCEL, 1940.30 FEET TO THE TRUE POINT OF BEGINNING, THENCE N. 89° 19' 49" W. AS MEASURED AT RIGHT ANGLES TO SAID EAST LINE, 960.00 FEET, THENCE S. 0° 40' 11" W. PARALLEL WITH SAID EAST LINE, 622.25 FEET, THENCE S. 89° 19' 49" E, 960.00 FEET TO A POINT ON SAID EAST LINE, THENCE N. 0° 40' 11" E. ALONG SAID EAST LINE, 622.25 FEET TO THE POINT OF BEGINNING.

CONTAINING 13.71 ACRES (GROSS)
CONTAINING 12.30 ACRES (NET)

CONSULTANTS

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APPROVALS

MR. ED WATERMAN
FACILITIES PLANNER — DATE

STATE FIRE MARSHAL:
DEFERRED APPROVALS: FIRE ALARM SYSTEM
Installation of Fire Sprinkler System and the Fire Protection Hood System shall not be started until detailed plans, specifications are approved by the Office of the State Architect.

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omissions or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: Dane C. Johansen
MAR 8 1993

OSA STRUCTURAL:
DSA-103 (Rev. 6/92)
Department of General Services
Office of the State Architect
PORTION 1
1993
Structural Safety Section
Appl. # A-59162 4/1/A
Reviewed by

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
H.I.L.L.

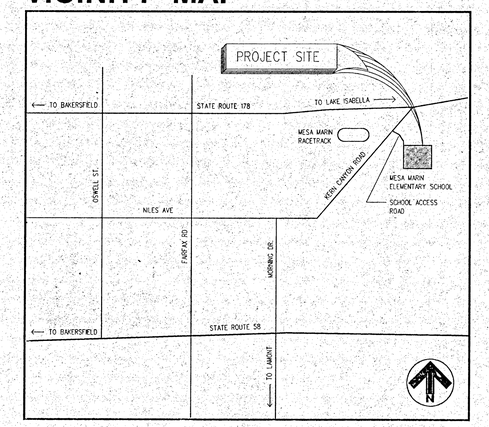
OSA ACCESS COMPLIANCE:

STATE OF CALIFORNIA
DEPARTMENT
OF GENERAL SERVICES
APR 19 1993
OFFICE OF THE
STATE ARCHITECT
STRUCTURAL SAFETY
SECTION H.A.

SYMBOLS

- 01 / 7.5 — DETAIL NO. / REFER TO SPECIFICATIONS
- A-1 — STRUCTURAL GRID
- E / A5 — SECTION CUT / PAGE REF.
- 101 OFFICE / A7 — ROOM NO. / ROOM NAME, / PAGE REF.
- 2 — DOOR NO. - REFER TO DOOR SCHEDULE IN SPECIFICATIONS.
- B — WINDOW TYPE - REFER TO WINDOW SCHEDULE IN SPECIFICATIONS.
- 01 — CABINET TYPE

VICINITY MAP



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- L.2 IRRIGATION PLAN
- L.3 IRRIGATION PLAN BUBBLERS
- L.4 PLANTING PLAN

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LICENSED ARCHITECT — PHIL KLASSEN — C10401 — REN. 1-31-95 — STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.
Sheet title: COVER SHEET
A-59/62 - RECORD SET

Date:	Issued for:
12-26-92	OSA SUBMITTAL
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Drawn by: L.A.
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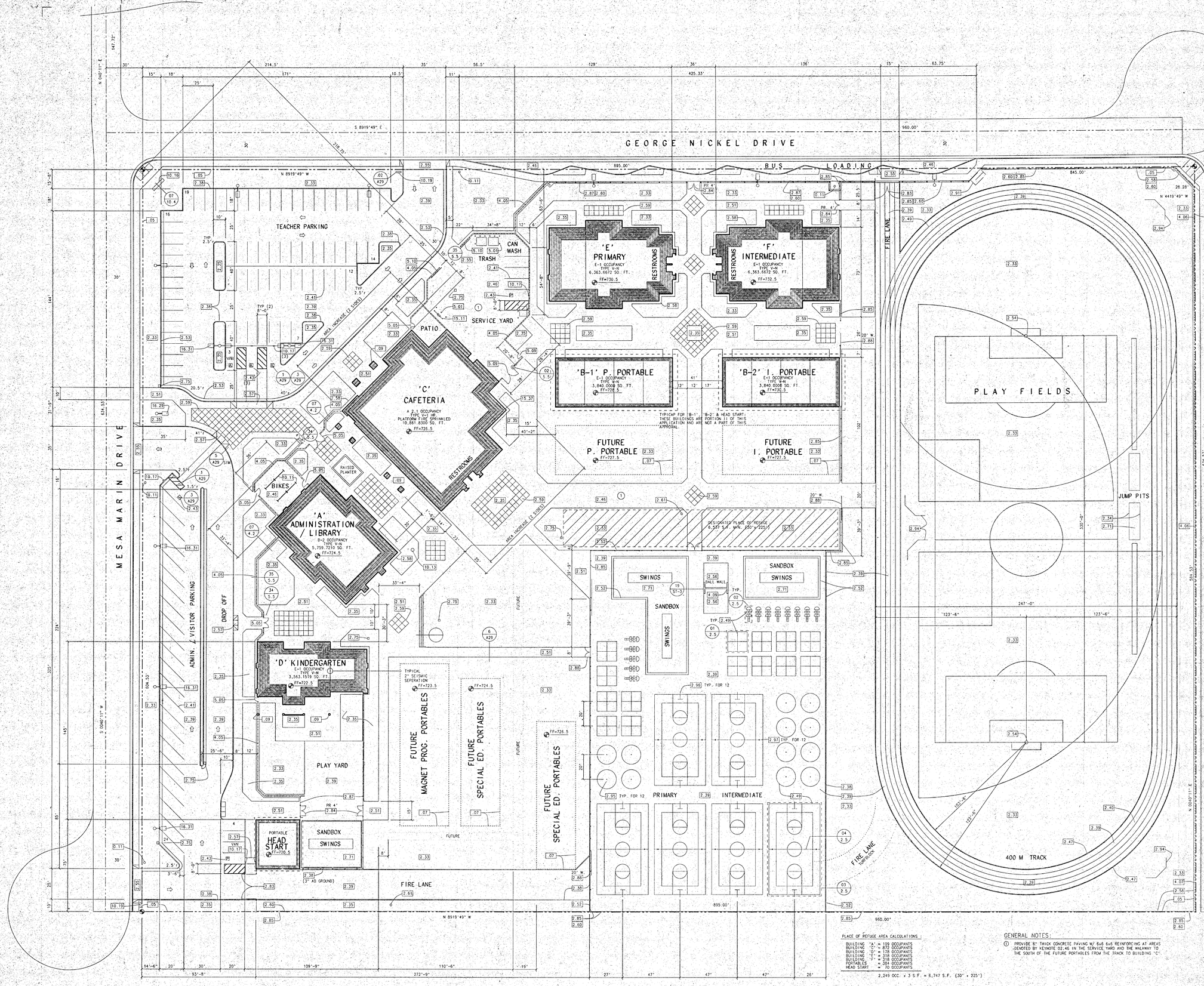
59/162



KEYNOTES

.01	NOT IN CONTRACT	00000
.02	END OF (E) SIDEWALK/GUTTER	00000
.03	UTILITY POLE W/GUY WIRE	00000
.05	PROPERTY LINE	00000
.07	FUTURE EXPANSION (PORTABLE CLASS-ROOMS)	00000
.09	BUILDING COLUMN	00000
.11	FIRE HYDRANT (NIC)	00000
.19	LINE OF UTILITY EASEMENT	00000
.25	POINT OF CONNECTION	00000
2.33	LAWN AREA	02480
2.34	REDWOOD HEADER	02480
2.35	PLANTING AREA	02480
2.38	CONCRETE CURB	02514
2.39	ASPHALTIC CONCRETE PAVING	02513
2.40	PAINTED LANE STRIPES (2" WIDE, WHITE)	02513
2.41	PAINTED PARKING STRIPES (4" WIDE, WHITE)	02513
2.43	PAINTED HANDICAP PARKING STALL W/ "INTERNATIONAL SYMBOL OF ACCESS."	02513
2.46	CONCRETE PAVING	02514
2.47	REDWOOD HEADER (FLUSH TO TOP OF TRACK) 2x4 STAKED AT 24" O.C.	02514
2.49	PAINTED PLAY GROUND STRIPING	02513
2.50	CONCRETE PAVERS	02514
2.51	CONCRETE WALK (4" THICK)	02514
2.52	FLUSH CONCRETE CURB	02514
2.53	CONCRETE CURB & GUTTER	02514
2.54	CONCRETE MONUMENT	02514
2.55	CONCRETE DRIVEWAY	02514
2.56	CONCRETE PAVEMENT SIDEWALK	02514
2.57	CONCRETE WHEEL CHAIR RAMP PER C.C.P. TITLE 24	02514
2.58	CONCRETE W/W STRIP WHERE ADJ. LAWN OCCURS (SEE FLOOR PLANS FOR WIDTHS)	02514
2.59	COLORED CONCRETE PAVEMENT W/ DEEP TOOLED SCORING	02514
2.60	CONCRETE CURB @ CHAIN LINK FENCING 8" WIDE X 6" DEEP	02514
2.61	FIRE HYDRANT PER COB STANDARDS	02668
2.71	FILL SAND (12" D) SAND BOXES	02514
2.73	CURB INLET	02720
2.75	CATCH BASIN	02720
2.80	IRRIGATION CONTROLLER	02810
2.81	BACKFLOW PREVENTION DEVICE	02810
2.83	20'W x 8'H CHAIN LINK SWING GATE @ FIRE LANE DRIVE	02830
2.84	SWINGING CHAIN LINK GATE (HT. TO MATCH ADJ. WALL / W. AS NOTED)	02830
2.85	CHAIN LINK FENCE (8' HIGH)	02830
2.87	CHAIN LINK FENCE (6' HIGH)	02830
2.88	SLIDING CHAIN LINK GATE (HT. TO MATCH ADJ. WALL / W. AS NOTED)	02830
2.89	CHAIN LINK FENCE (4' HIGH)	02830
2.91	CHAIN LINK BAFFLE	02830
2.93	BENCH	02860
2.94	PORTABLE BACKSTOPS	02860
2.95	TETHERBALL POLE	02860
2.96	BASKETBALL POLE AND BACKBOARD	02860
2.97	VOLLEYBALL STANDARD	02860
2.98	BACKSTOP	02860
4.05	SPLIT FACE CONCRETE BLOCK 6' H.	04230
4.06	CONC. BLOCK FENCE 8' H. W/ MUD CAP	04230
4.07	CONC. BLOCK FENCE 6' H. W/ MUD CAP	04230
4.08	RAISED MASONARY PLANTER WALL W/TOP CAP & CEMENT BASED WATER PROOFING	04230
4.09	12" H. SMOOTH INTERGAL COLOR CONC. BLOCK BALL WALL	04230
5.01	STEEL PIPE GUARD POST (6" DIA.)	05500
5.05	WROUGHT IRON SWING GATE (6' HIGH)	05500
5.07	WROUGHT IRON SLIDING GATE (6' HIGH)	05500
5.09	SWINGING PAINTED METAL FABRICATED GATES	05500
5.10	SLIDING PAINTED METAL FABRICATED GATES	05500
10.11	BICYCLE RACK	10180
10.12	BENCH	10180
10.13	FLAGPOLE, CLEAR ANODIZED ALUMINUM, 25'-0" HIGH	10180
10.16	MONUMENT SIGN W/ 6" HIGH LETTERS	10436
10.17	"HANDICAP PARKING" STALL SIGN (VAN ACCESSIBLE WHERE INDICATED)	10436
10.19	"HANDICAP ACCESS" ENTRANCE SIGN	10436
15.06	FIRE SPRINKLER RISER & F.D. CONN.	15300
15.07	BELOW GROUND GREASE INTERCEPTOR	15400
15.11	GAS METER	15400
15.13	WATER METER	15400
15.37	FIRE DEPARTMENT SIAMESE CONNECTION PER KERN COUNTY FIRE DEPARTMENT STDS.	15300
16.01	TRANSFORMER PAD & POSTS PER UTILITY COMPANY STANDARDS	16100
16.03	MAIN ELECTRICAL SERVICE	16100
16.29	POLE MOUNTED LIGHT FIXTURE	16100
16.30	STREET LIGHT FIXTURE	16100
16.31	PARKING AREA LIGHT FIXTURE	16100

PLACE OF REFUGE AREA CALCULATIONS

BUILDING 'A' =	109 OCCUPANTS
BUILDING 'C' =	872 OCCUPANTS
BUILDING 'D' =	178 OCCUPANTS
BUILDING 'E' =	318 OCCUPANTS
BUILDING 'F' =	318 OCCUPANTS
PORTABLES =	384 OCCUPANTS
HEAD START =	70 OCCUPANTS

2,249 OCC. x 3 S.F. = 6,747 S.F. (30' x 225')

GENERAL NOTES:

① PROVIDE 6" THICK CONCRETE PAVING W/ 6x6 6x6 REINFORCING AT AREAS DENOTED BY KEYNOTE 02.46 IN THE SERVICE YARD AND THE WALKWAY TO THE SOUTH OF THE FUTURE PORTABLES FROM THE TRACK TO BUILDING 'C'.

SITE PLAN

1"=30'-0"

12.00 ACRES NET
13.04 ACRES GROSS

S.E. CORNER SEC. 20 29/29
FD. 4" BRASS CAP MARKED
FOR CORNER

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

Sheet title: SITE PLAN

Date:	Issued for:
03/8/93	DSA APPROVAL

Date:	Revisions:

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OFFICE OF THE STATE ARCHITECT APPROVED

FORTION I
1993
Division of Safety Structures

Drawn by: DONE
Job no: 1223
Dgn. file: MMA02.2D

Sheet: A.02
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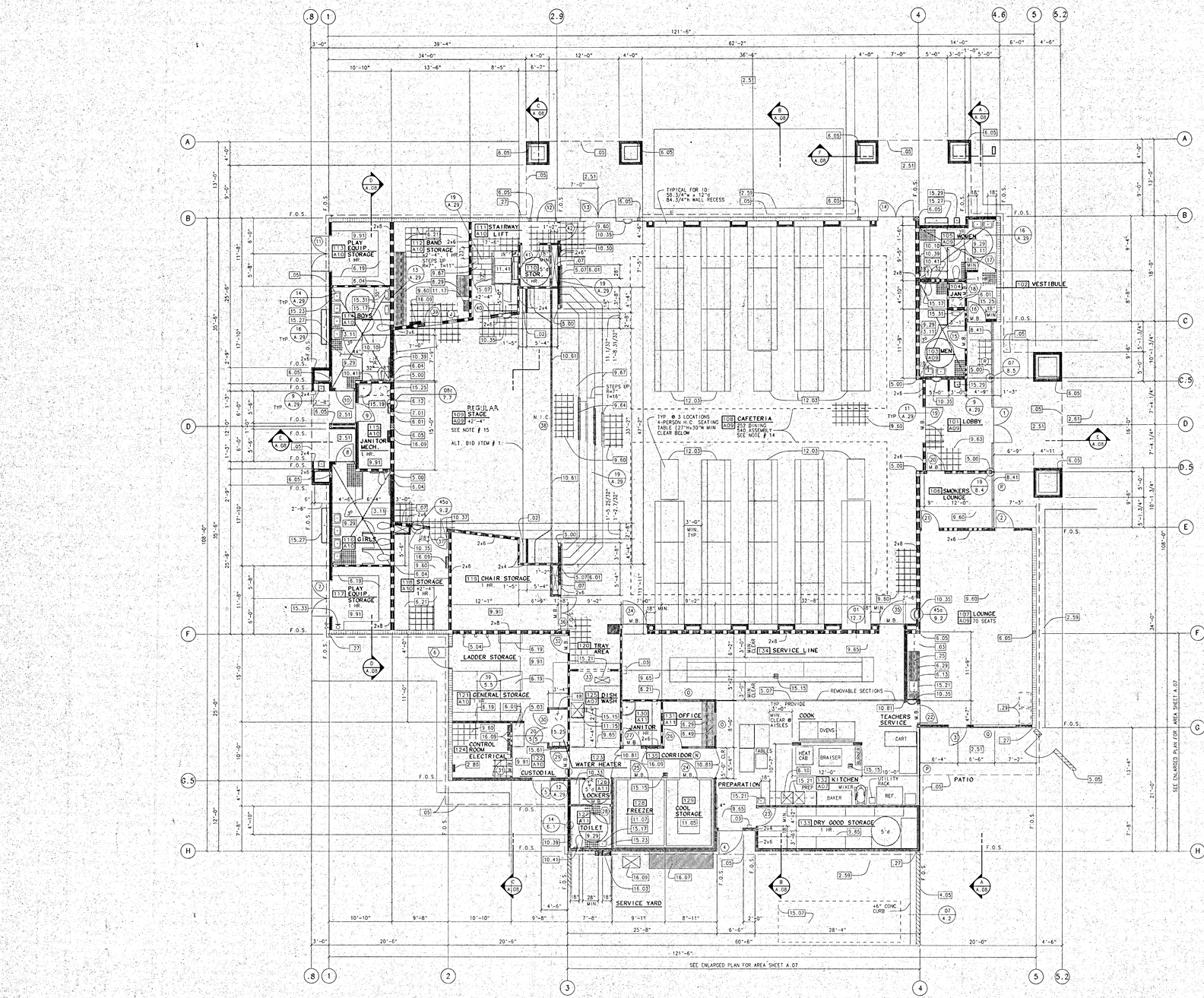
Date: March 8, 1993



CAFETERIA FLOOR PLAN 'C'

1/8" = 1'-0"

KEYNOTES:

.02	CURTAIN STACK SPACE	00000	9.65	WELDING SHEET VINYL FLOORING	09650
.03	PROVIDED BY OWNER	00000	9.67	RUBBER STAIR TREAD, SKIRT & NOSING	09650
.05	LINE OF ROOF ABOVE	00000	9.90	CARPET FLOORING	09680
.07	MECHANICAL SPACE	00000	9.91	SEALED CONCRETE FLOOR	09900
.18	WATER SOFTENER (O.F.O.I.)	00000	10.01	TACKBOARD (4'-0"x 8'-0")	10100
.25	MICROWAVE SPACE	00000	10.10	SOLID PLASTIC, FLOOR MOUNTED OVERHEAD BRACED PARTITIONS	10160
.27	MATERIAL SEPARATION (2")	00000			
.29	VENDING EQUIPMENT SPACE	00000	10.30	HANDICAPPED ACCESS SIGN	10436
.30	REFRIGERATOR SPACE	00000	10.33	METAL LOCKERS, 15"w X 15"d X 72"h, DOUBLE TIER	10500
2.51	CONCRETE WALK (4" THICK)	02514			
2.59	CONCRETE MOW STRIP (18" WIDE)	02514	10.35	SEMI-RECESSED CABINET w/ FIRE EXTINGUISHER	10522
2.61	COLORED CONCRETE PAVEMENT w/ TOOLED SCORING	02514	10.37	DOOR SIGN "FIRE EXTINGUISHER IN ROOM"	10425
			10.39	GRAB BAR 42" L. (Bobrick B-6206)	10800
2.80	IRRIGATION CONTROLLER	02810	10.41	GRAB BAR 36" L. (Bobrick B-6206)	10800
3.11	SLOPE FLOOR TO DRAIN @ 1/8" PER FT.	03310	10.61	MANUAL SINGLE PANEL MOVABLE PARTITION	10650 – ALT. #1
4.05	SPLIT FACE CONCRETE BLOCK	04230	10.81	SURFACE MOUNTED CORNER GUARD	10840
4.08	RAISED MASONRY PLANTER WALL w/ TOP CAP & CEMENT BASED WATER PROOFING	04230	11.05	WALK-IN COLD BOX	11400
			11.07	WALK-IN FREEZER	11400
5.00	STEEL TUBE COLUMN	05120	11.15	DISHWASHER	11450
5.03	WORK BENCH w/ METAL WALL BRACKETS	05500	11.17	SOUND EQUIPMENT & RACK	11510
5.04	STEEL LADDER RACK BRACKETS (2"x2"x 3/16") SIM. TO DETAIL 5.5.20	05500	11.47	MECHANICAL WHEELCHAIR LIFT	11420
5.05	WROUGHT IRON GATE (6')	05500	12.03	RECESSED DOUBLE FOLDING TABLE & BENCH UNIT W/ REMOVABLE BENCHES (5'W x 14'L, TOTAL LENGTH = 28')	12720
5.07	ALUMINUM HANDRAIL @ + 34" A.F.F.	05520			
6.05	WOOD POST	06100	15.07	BELOW GROUND GREASE INTERCEPTOR	15400
6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100	15.11	GAS METER	15400
6.04	SOUND WALL TO HAVE RESILIENT CHANNELS @ 16" o.c. W/ SOUND & GYP. BD. OVER 2x6 STUD WALL W/ WALL INSULATION	06100	15.15	FLOOR SINK	15400
			15.17	TOILET	15400
6.10	LAM. PLASTIC UPPER CAB.	06400	15.19	JANITOR SINK	15400
6.12	LAM. PLASTIC WATER HEATER SHELF	06400	15.21	SINK	15400
6.13	BASE CAB., PROVISION FOR FUTURE DISHWASHER	06400	15.23	LAVATORY	15400
			15.25	WATER HEATER	15400
6.19	LAM. PLASTIC TALL STORAGE CABINET	06400	15.27	DRINKING FOUNTAIN	15400
6.21	LAM. PLASTIC TALL CAB. w/ SLOPING TOP	06400	15.29	HANDICAPPED DRINKING FOUNTAIN	15400
6.29	LAM. PLASTIC BASE & UPPER CAB.	06400	15.31	URINAL	15400
6.49	1-1/2" DIA. GROMMETED HOLE THRU COUNTERTOP FOR COMPUTER CABLE (VERIFY EXACT LOCATION)	06400	15.33	FIRE SPRINKLER RISER	15300
			15.37	FIRE DEPARTMENT SIAMESE CONNECTION PER CITY OF BAKERSFIELD STANDARDS	15300
7.01	ROOF ACCESS ALUMINUM LADDER	07700			
8.41	BRONZE ANODIZED STOREFRONT SYSTEM	08410	15.61	COMBUSTION AIR DUCTS	15650
9.29	MORTAR BED FLOOR TILE OVER DEPRESSED CONC. SLAB (SLOPED TO FLOOR DRAIN) (PROVIDE THINSET TILE @ ROOMS w/o FLOOR DRAIN & DEPRESSED SLAB)	09300	16.03	TRANSFORMER	16100
			16.07	ELECTRICAL M. S. PANEL	16100
9.60	12" x 12" VINYL COMPOSITION TILE FLOORING	09650	16.09	ELECTRICAL PANEL	16100
9.63	12" x 12" RUBBER TILE FLOORING (DISK PATTERN)	09650			
9.64	STAIR INDICATOR STRIPS PER TITLE 24 (2" W. W/ CONTRASTING COLOR SEE DETAIL 19, SHEET A.29.	09650			

ALTERNATE BID ITEMS:

SEE SPECIFICATIONS SECTIONS 01030

DEDUCTIVE ALTERNATE #1
MANUAL SINGLE PANEL MOVEABLE PARTITION. STRUCTURAL SUPPORT IS WITHIN THE BASE BID.

FLOOR PLAN NOTES:

1. ALL RESTROOMS SHALL HAVE 5/8" MOISTURE RESISTANT GYP. BD. TO +4'-0", TYP., UNLESS OTHERWISE NOTED.
   5/8" TYPE 'X' MOISTURE RESISTANT G.B. TO +4'-0"
   5/8" TYPE 'X' GYP. BD. ABOVE +4'-0" AT ABOVE NOTED LOCATIONS.
2. TYPICAL EXTERIOR FINISH SHALL BE CEMENT PLASTER, U.O.N.
3. INTERIOR FINISH OF KITCHEN AREAS SHALL BE 1/2" TYPE 'X' IMPERIAL BOARD W/ 2 - COAT VENEER PLASTER, TYP. @ ROOMS 120, 125, 126, 128, 129, 132, 133, 134 & 135.
4. TACKWALL LOCATIONS ARE AS NOTED ON THE INTERIOR ELEVATIONS AND ROOM FINISH SCHEDULES.
5. ATTACH WINDOW BLINDS TO HEAD w/ A MINIMUM OF 1" PENETRATION INTO FRAMING.
6. FURRED PARTITIONS SHALL NOT INTERRUPT FIRE RATED WALL ASSEMBLIES.
7. PLASTER ATTACHMENT: INCREASE LENGTH OF SCREWS FOR GYP. BD. AND PLYWOOD PER 1991 U.B.C., TABLE 43-B, NOTE #11.
8. "APPROVED" SHALL MEAN: TESTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (i.e., U.L., FACTORY MUTUAL, WARNOCK HERSEY, U.S. TESTING, NATIONAL EVALUATION, I.C.B.O. TESTING, ...)
9. THE FOLLOWING ROOMS SHALL HAVE DEPRESSED CONC. SLABS: ROOMS 103, 104, 105, 114, 116, 126, & 129. PROVIDE CURB SURROUNDS PER DETAIL #16, SHT. S-3
10. PROVIDE AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM FOR THE BUILDING.
11. TYPICAL FOR ALL TRANSITIONS FROM VINYL COVERED WALL SURFACE TO DISSIMILAR MATERIAL, USE PLASTIC CORNER GUARDS TO +8'-0"
12. ACOUSTICAL SEALANT FOR CONCEALED JOINTS @ INTERIOR WALLS w/ INSULATION. ISOLATE PERIMETER OF NON-LOAD BEARING DRYWALL PARTITIONS AT STRUCTURAL ABUTMENTS. SEAL JOINTS ALONG TOP AND BOTTOM OF GYPSUM BOARD AT ALL WALL LOCATIONS AND ALSO AT ALL PENETRATIONS WITHIN THESE ASSEMBLIES.
13. AT THOSE LOCATIONS WHERE CABINETS ARE LOW (i.e., +30" OR LESS), NO KNEE CLEARANCE IS REQUIRED AT SINKS OR AT ADJACENT WORK AREAS.
14. POST OCCUPANT LOAD SIGNS PER T 19 3.30
    252 PERSONS DINING - S40 ASSEMBLY
15. POST "NO SMOKING" SIGN ON STAGE PER T-19 3.32
16. PROVIDE HORIZONTAL WINDOW BLIND @ WINDOW 'J' IN ROOM 121, SEE SPECIFICATIONS, SECTION 12500

WALL TYPES LEGEND

1. EXTERIOR WALL: 2x8 STUDS @ 16" o.c. w/ 5/8" TYPE 'X' GYP. BD.
2. WP 8105 — EXTERIOR WALL: 2x6 STUDS @ 16" o.c. w/ 5/8" TYPE 'X' GYP. BD. SIDE (RUN FULL HEIGHT) w/ CEM. PLASTER @ EXTERIOR. UNFINISHED WITHIN FURRED AREAS. (INTERIOR WALLS AT SOME LOCATIONS) (PROVIDE VENEER PLASTER OVER IMPERIAL BOARD AS NOTED ON FINISH SCHEDULE)
3. CONCRETE BLOCK WALL: CONCRETE BLOCK WALL
4. WP 3605 — 1 HOUR SEPERATION WALL: 2x STUDS @ 16" o.c. w/ 5/8" TYPE 'X' GYP. BD. EACH SIDE TO ROOF SHEATHING OR 1-HOUR RATED CEILING ASSEMBLY (PROVIDE VENEER PLASTER OVER IMPERIAL BOARD AS NOTED ON FINISH SCHEDULE)
6. WP 8105 — STUD WALL 1 HOUR CONST.: 2x STUDS @ 16" o.c. w/ 5/8" TYPE 'X' GYP. BD. @ INTERIOR, UNFINISHED OPPOSITE SIDE. 7/8" CEMENT PLASTER @ EXTERIOR, UNFINISHED INTERIOR. (PROVIDE VENEER PLASTER OVER IMPERIAL BOARD AS NOTED ON FINISH SCHEDULE)
7. WP 8105 — PARTITION WALL 1 HOUR CONST.: 2x4 STUDS @ 16" o.c. w/ 5/8" TYPE 'X' GYP. BD. EACH SIDE (CEMENT PLASTER FINISH @ EXTERIOR), UNFINISHED WITHIN FURRED SPACES.

NOTE: SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS.

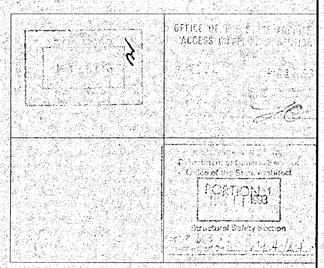
ROOM NO.
REFER TO SHEET A.9, A.10, A.11 FOR INTERIOR ELEVs.

CODES ACCEPTABLE FOR TRUSS FIRE PROTECTION:
FIRE RESISTANCE DESIGN MANUAL, 12TH EDITION, WP - DESIGNATION
STEEL BEAMS: BM 1135
C.S.F.M. LISTING NO. 1060-339:100

NATIONAL EVALUATION SERVICE COMMITTEE (NER):
TRUSSES: NER-200; ICBO-IPFC-4354

KEY PLAN





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MESA MARIN ELEMENTARY SCHOOL
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Sheet title: FLOOR PLAN – 'C'

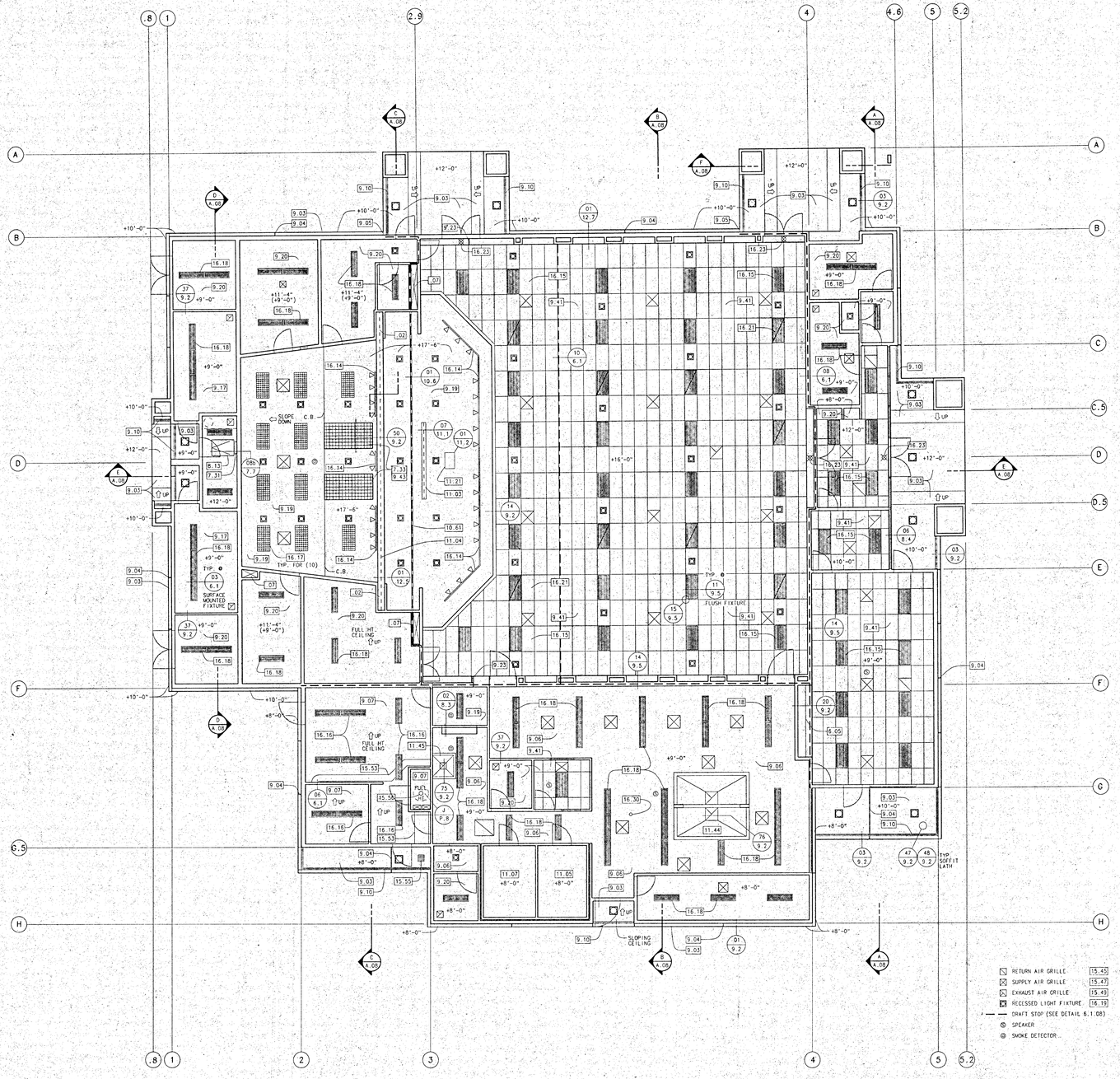
Date:	Issued for:

Date:	Revisions:

Drawn by: done
Job no: 1223
Dgn. file: mma03.2d

Sheet: A.03
Sheet of: 30

Date: March 8, 1993



CAFETERIA REFLECTED CEILING PLAN 'C'

1/8" = 1'-0"

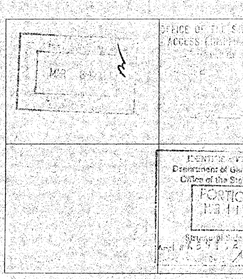
KEYNOTES:

	.02	CURTAIN STACK SPACE	00000
	.07	MECHANICAL SPACE	00000
	6.05	WALL CABINET BELOW SOFFIT	06400
	7.31	ROOF ACCESS ALUMINUM LADDER (CEILING TO ROOF CURB)	07700
	7.33	SMOKE HATCH ABOVE @ ROOF (PROVIDE MANUAL RELEASE PER U.B.C. 3503(e)	07700
	8.13	CEILING ACCESS PANEL 30" X 36" PAINTED	08305
	9.03	CEMENT PLASTER SOFFIT WITH SAND FLOAT FINISH	09200
	9.04	PLASTER EXPANSION SCREED w/ CONT. BLOCKING (SUPERIOR #15)	09200
	9.05	PLASTER EXPANSION SCREED (WESTERN #XJ-15) TYP. @ CORNERS ONLY	09200
	9.06	1/2" TYPE 'X' IMPERIAL BD. OVER 2 - COAT VENEER PLASTER	09215
RC 2601	9.07	2 - LAYERS 1/2" TYPE 'X' GYP. BD. BELOW ROOF JOISTS	09215
	9.10	CONTINUOUS VENT SCREED (SUPERIOR #115 - 3.5")	09250
	9.17	CEMENT PLASTER CEILING	09250
	9.19	5/8" GYPSUM BOARD DRYWALL TYPE 'X' (Fire Rated)	09250
WP 3605	9.20	5/8" GYPSUM BOARD DRYWALL w/ (1) LAYER, 5/8" TYPE 'X' @ TOP SIDE ATTIC OF 2x CEILING JOISTS	09250
	9.23	DRAFT STOPS	09250
	9.41	2" X 4" SUSPENDED T-BAR CEILING WITH FLUSH LAY-IN PANEL	09510
	9.45	PARABOLIC GRILLE @ SMOKE SHAFT	09510
	10.61	MANUAL PULL SINGLE PANEL MOVEABLE PARTITION (ALTERNATE BID ITEM #2)	10650
	11.03	RECESSED ELEC. PROJECTION SCREEN	11132
	11.04	MANUAL PULL BI-PARTING STAGE CURTAIN	11800
	11.05	WALK-IN COLD BOX	11400
	11.07	WALK-IN FREEZER	11400
	11.21	SUSPENDED SPEAKER (PAINTED)	11510
	11.44	KITCHEN HOOD	11400
	11.45	DISHWASHER HOOD	11400
	12.03	RECESSED DOUBLE FOLDING TABLE & BENCH UNIT	12720
	15.45	RETURN AIR GRILLE	15800
	15.47	SUPPLY AIR GRILLE	15800
	15.49	EXHAUST AIR GRILLE	15800
	15.53	EXPOSED MECHANICAL (PAINTED)	15800
	15.55	MECHANICAL GRILLE	15800
	15.56	WATER HEATER FLUE	15650
	16.14	STAGE TRACK LIGHTING FIXTURES	16100
	16.15	RECESSED FLUORESCENT FIXTURE	16100
	16.16	SURFACE MOUNTED FLUORESCENT FIXTURE	16100
	16.17	RECESSED FLUORESCENT FIXTURE WITH PARABOLIC LIGHT LENSE	16100
	16.18	FLUORESCENT FIXTURE	16100
	16.19	RECESSED LIGHT FIXTURE	16100
	16.21	EMERGENCY LIGHT FIXTURE	16100
	16.23	EXIT LIGHT FIXTURE	16100
	16.30	CEILING MOUNTED RETRACTABLE OUTLET REEL	16100

GENERAL NOTES:

1. FOR TYPICAL SUSPENDED CEILING NOTES SEE 9.5.06a & 9.5.06b.
2. TYPICAL @ T-BAR CEILING: PROVIDE STRUT TO ROOF STRUCTURE TO RESIST VERTICAL FORCE INDUCED BY WIRES PER 1988 UBC STD. 47.1817c. SEE 9.5.15.
3. SEE DETAILS 9.2.47 & 9.2.48 FOR ATTACHMENT OF METAL LATH OR PAPER BACKED WIRE FABRIC TO WOOD FRAMED HORIZONTAL SURFACES.
4. T-BAR SYSTEM SERIES NUMBERS:
   MAIN RUNNERS: CHICAGO METALIC CO. - #1811 & 1819
   CROSS RUNNERS: CHICAGO METALIC CO. - #1814 (OR 1804, 1824)
   SEE SPEC. SECTION 09510 FOR ADDITIONAL INFO.
5. PROVIDE SANTILE PAINT AT THE INTERIOR FINISH, TYP @ ROOMS 120, 125, 126, 128, 129, 132, 133, 134 & 135.

KEY PLAN



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LICENSED ARCHITECT PHIL KLASSEN C10401 REN 3-31-95 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

Sheet title: REFLECTED CEILING PLAN - 'C'

Date:	Issued for:

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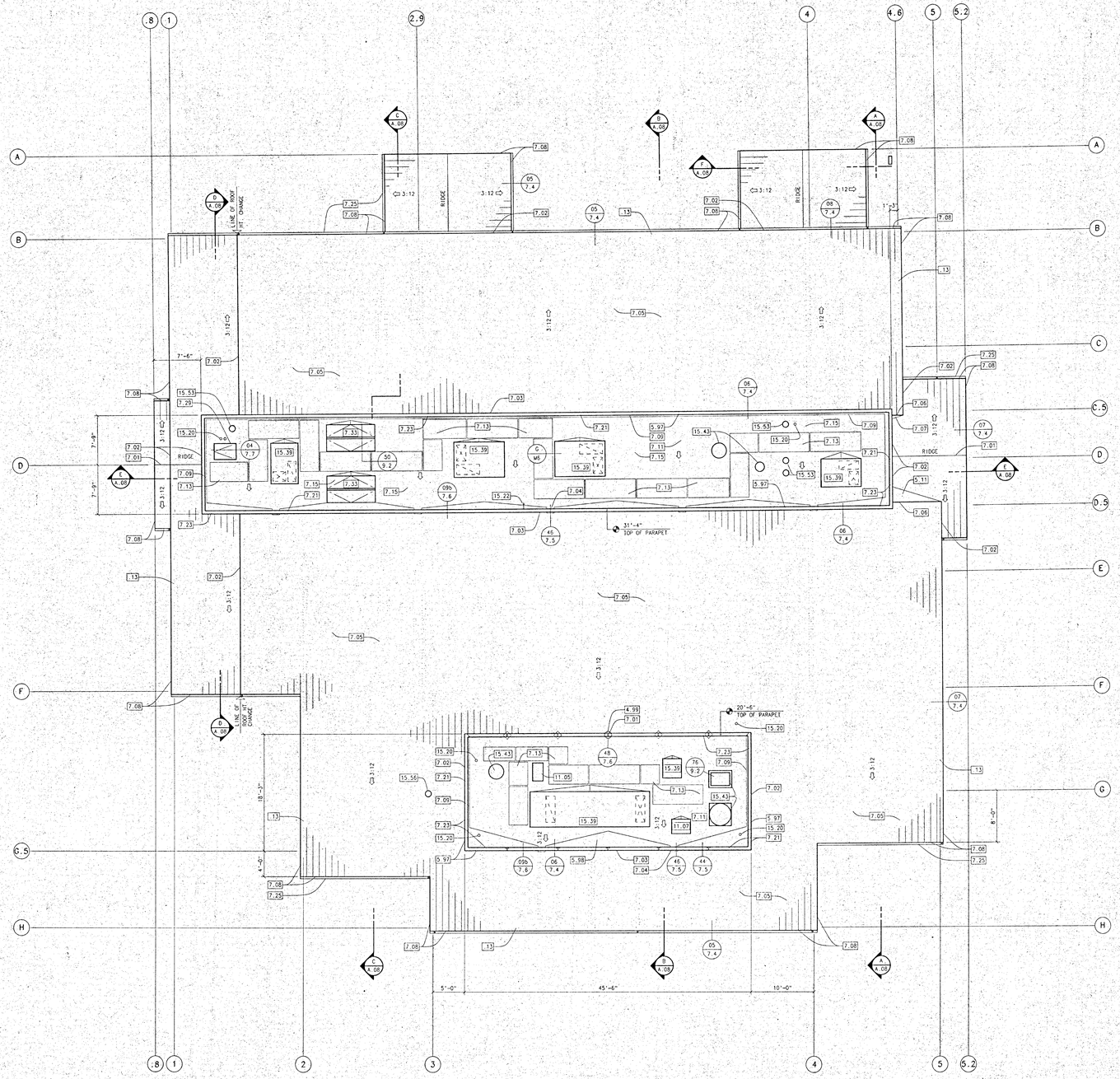
Job no: 1223
Dgn. file: msq04;2d

Sheet: A.04
Sheet of: 30

Date: March 8, 1993

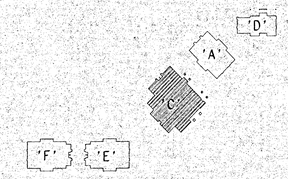


CAFETERIA ROOF PLAN 'C'

1/8" = 1'-0"

KEYNOTES:

.13	LINE OF BUILDING BELOW	00000
4.99	STEEL TUBE IN PARAPET WALL	05120
5.97	WOOD FRAME PARAPET	06100
5.98	PLYWOOD CRICKET	06100
7.01	PREFINISHED METAL ROOF SYSTEM RIDGE RIDGE SHINGLES	07410
7.02	PREFINISHED RAKEWALL FLASHING	07410
7.03	PREFINISHED METAL REGLET TO STUCCO PARAPET WALL	07410
7.04	PAINTED 24 GA. G.I. THRU WALL SCUPPER	07410
7.05	PREFINISHED METAL ROOFING	07410
7.06	PREFINISHED METAL PEAK FLASHING	07410
7.07	PREFINISHED METAL CRICKET FLASHING	07410
7.08	PREFINISHED FORMED METAL RAKE & EAVE TRIM	07410
7.09	CONTINUOUS 3" FIBER CANT STRIP	07510
7.11	BUILT-UP COMPOSITION ROOFING	07510
7.13	WALKWAY PROTECTION CAPSHEET	07510
7.15	RIDGID INSULATION BOARD (TAPERED FOR ROOF DRAINAGE - SLOPE @ MIN. 1/2" / FT.	07510
7.19	PITCH POCKET	07510
7.21	24 GA. G.I. COUNTER FLASHING	07600
7.23	24 GA. G.I. CAP FLASHING - PAINTED	07600
7.25	24 GA. G.I. GUTTER - PAINTED	07600
7.29	ROOF HATCH 30" x 36"	07700
7.33	SMOKE HATCH (4' x 8') BOTH TO BE ACTIVATED SIMULTAINEOUSLY PER U.B.C. SEC. 3903 (c)	07700
11.05	COLD BOX REFRIGERATION EQUIPMENT	11400
11.07	FREEZER REFRIGERATION EQUIPMENT	11400
15.20	PLUMBING VENT & ROOF JACK (PAINTED WHERE EXPOSED)	15400
15.22	HOSE BIB	15400
15.39	H.V.A.C. EQUIPMENT	15800
15.41	EVAPORATIVE COOLER	15800
15.43	ROOF MOUNTED EXHAUST FAN	15800
15.53	EXHAUST FAN ROOF CAP	15800
15.53	EXHAUST FAN ROOF CAP	15800
15.56	WATER HEATER FLUE THRU ROOF	15800



KEY PLAN

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION

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STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: ROOF PLAN - 'C'

Date:	Issued for:

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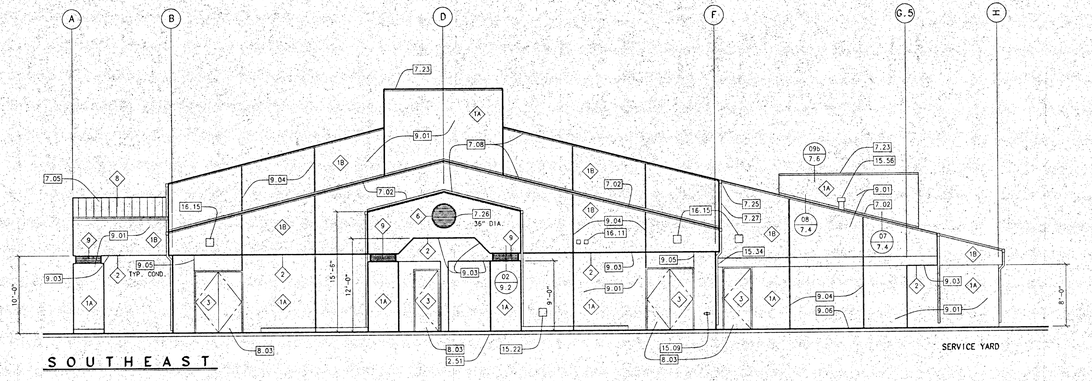
Job no: 1223

Dgn. file: mmo05.2d

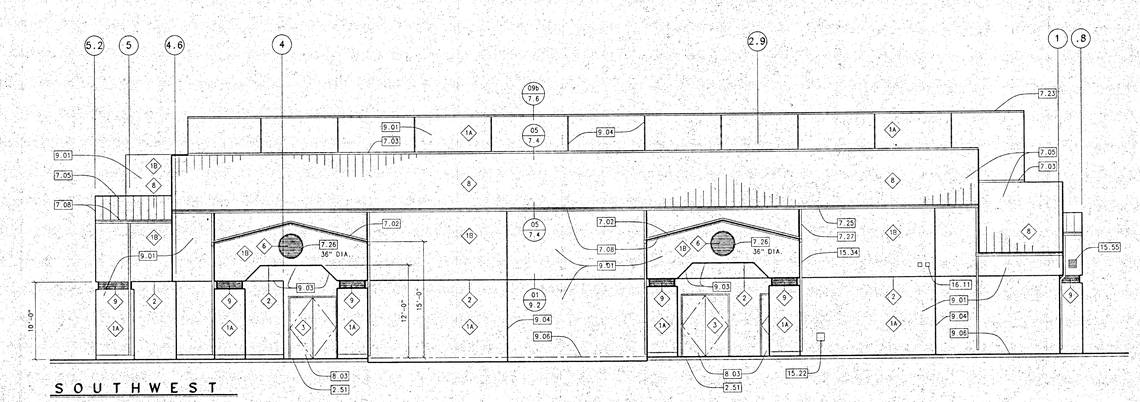
Sheet: A.05

Sheet of: 30

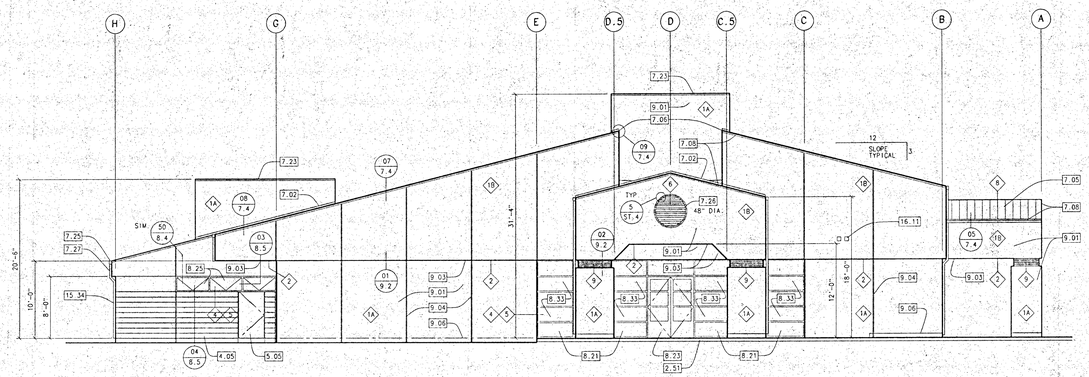
Date: March 8, 1993



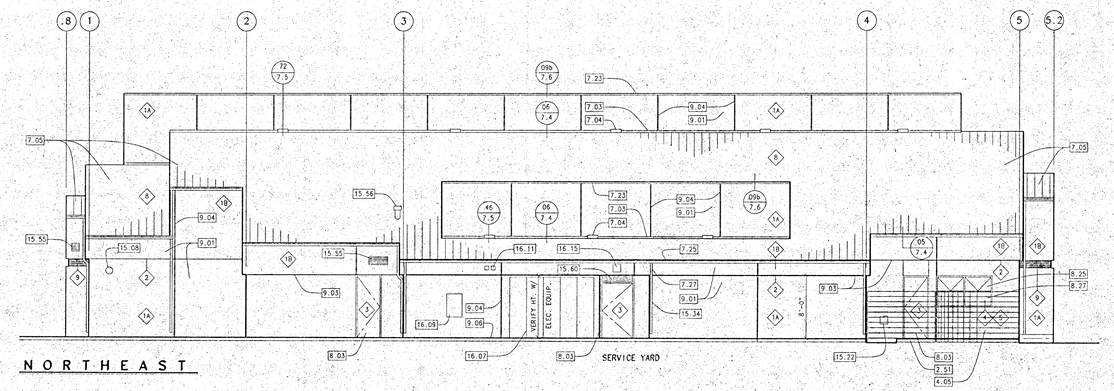
SOUTHEAST



SOUTHWEST



NORTHWEST



NORTHEAST

CAFETERIA ELEVATIONS 'C'

1/8" = 1'-0"

KEYNOTES:

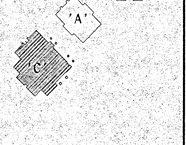
2.51	CONCRETE WALK (4" THICK)	02514
4.05	SPLIT FACE CONCRETE BLOCK	04230
5.05	WROUGHT IRON GATE (6' HIGH)	05500
7.02	PREFINISHED RAKEWALL FLASHING	07410
7.03	PREFINISHED METAL REGLET TO STUCCO PARAPET WALL	07410
7.04	PAINTED 24 GA. G.I. THRU WALL SCUPPER	07410
7.05	PREFINISHED METAL ROOFING	07410
7.08	PREFINISHED FORMED METAL RAKE & EAVE TRIM	07410
7.23	24 GA. G.I. GKP FLASHING - PAINTED	07600
7.25	24 GA. G.I. GUTTER - PAINTED	07600
7.26	VENTILATION LOUVERS	07600
7.27	24 GA. G.I. DOWNSPOUT - PAINTED	07600
8.03	HOLLOW METAL DOOR AND FRAME	08110
8.21	ANODIZED ALUMINUM STOREFRONT SYSTEM, SINGLE GLAZING	08410
8.23	ANODIZED ALUMINUM STOREFRONT SYSTEM DOOR	08410
8.25	BRONZE ANODIZED ALUMINUM FRAMED PROJECTED SINGLE GLAZED WINDOW w/ BRONZE TINT	08520
8.27	BRONZE ANODIZED ALUMINUM FRAMED FIXED SINGLE GLAZED w/ BRONZE TINT (NAIL IN)	08520
8.29	BRONZE TINT/SINGLE PANE GLAZING	08800
8.33	TEMPERED GLASS	08800
9.01	CEMENT PLASTER w/ SAND FLOAT FINISH	09200
9.03	CEMENT PLASTER SOFFIT w/ SAND FLOAT FINISH	09200
9.04	PLASTER EXPANSION SCREED w/ CONT. BLOCKING (Western #J-15)	09200
9.05	PLASTER CRACK CONTROL SCREED (Superior No. 17) TYPICAL @ DOOR & WINDOW CORNERS ONLY	09200
9.06	PLASTER WEEP SCREED	09200
10.14	WALL MOUNTED SIGN (FRAMED)	10425
15.08	FIRE SPRINKLER WATER MOTOR GONG	15300
15.09	FIRE DEPT. SPRINKLER CONN.	15500
15.11	GAS METER LOCATION	15400
15.22	HOSE BIB	15400
15.34	PAINTED DOWNSPOUT	15400
15.55	MECHANICAL GRILL - PAINTED	15800
15.56	WATER HEATER FLU THRU ROOF	15800
15.60	FLY FAN	15650
16.07	MAIN ELECTRICAL SERVICE	16100
16.09	ELECTRICAL PANEL	16100
16.11	WALL MOUNTED SPEAKER & HORN	16100
16.15	WALL MOUNTED LIGHT FIXTURE	16100

⚠ EXTERIOR FINISH SCHEDULE

#	LOCATION	MATERIAL	FINISH/MANUFACTURER
1	EXTERIOR WALLS	STUCCO	1A : "OMEGA" #28, BLUE GRAY, FROM GROUND TO UNDERSIDE OF SOFFIT, (@ -0" A F.F. BLDG. A, B, D, E, & -10'-0" A F.F. BLDG. C) 1B : "OMEGA" #28, SPANISH WHITE, ABOVE SOFFIT, (OVER @ 10'-0" A F.F. BLDG. A, B, D, E, & 12'-0" A F.F. BLDG. C)
2	SOFFITS/CANOPIES	STUCCO	"OMEGA" #28, SPANISH WHITE
3	DOORS/FRAMES	METAL	"DUNN-EDWARDS" PAINT, ELIZABETHAN BLUE, #DE14-90
4	WINDOWS	GLASS	SOLAR GRAY
5	WINDOW FRAMES/ STOREFRONT SYSTEM	ALUMINUM	CLEAR ANODIZED
6	VENTILATION LOUVERS	METAL	"RUSKIN FINISHES" DELFT BLUE
7	WROUGHT IRON FENCE/GATES HANDRAILS/GUARDRAILS	STEEL	"DUNN-EDWARDS" PAINT, DEEP SEA, #DE13-20D (TO MATCH VENTILATION LOUVERS)
8	ROOFING	PREFINISHED METAL	"ECII" - TR SERIES #TR100, KYNAR 500 - CLASSIC GRAY
9	ACCENT BANDS @ ENTRIES	STUCCO	"DUNN-EDWARDS" PAINT, DEEP SEA, #DE13-20D

EXTERIOR FINISH NOTES :

1. DOOR NUMBERS SHALL BE PAINTED WITH "DUNN-EDWARDS" ELIZABETHAN BLUE, #DE14-90, ON A PAINTED SQUARE BACKGROUND OF "DUNN-EDWARDS" WHISPER GRAY, #DE-56P.
2. WALL AND SOFFIT MOUNTED MECHANICAL GRILLES AND ELECTRICAL PANELS SHALL BE PAINTED TO MATCH THE ADJACENT WALL OR SOFFIT SURFACE.
3. EXTERIOR PLASTER FROM WEEP SCREED OR BASE OF WALL TO +8'-0" OR THE NEXT HIGHEST SOFFIT & OR PLASTER SCREED IS TO BE PAINTED, IN ADDITION TO THE COLOR COAT.



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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL — BAKERSFIELD, CA.

Sheet title: "C" EXTERIOR ELEVATIONS - 'C'

Date:	Issued for:

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Job no: 1223
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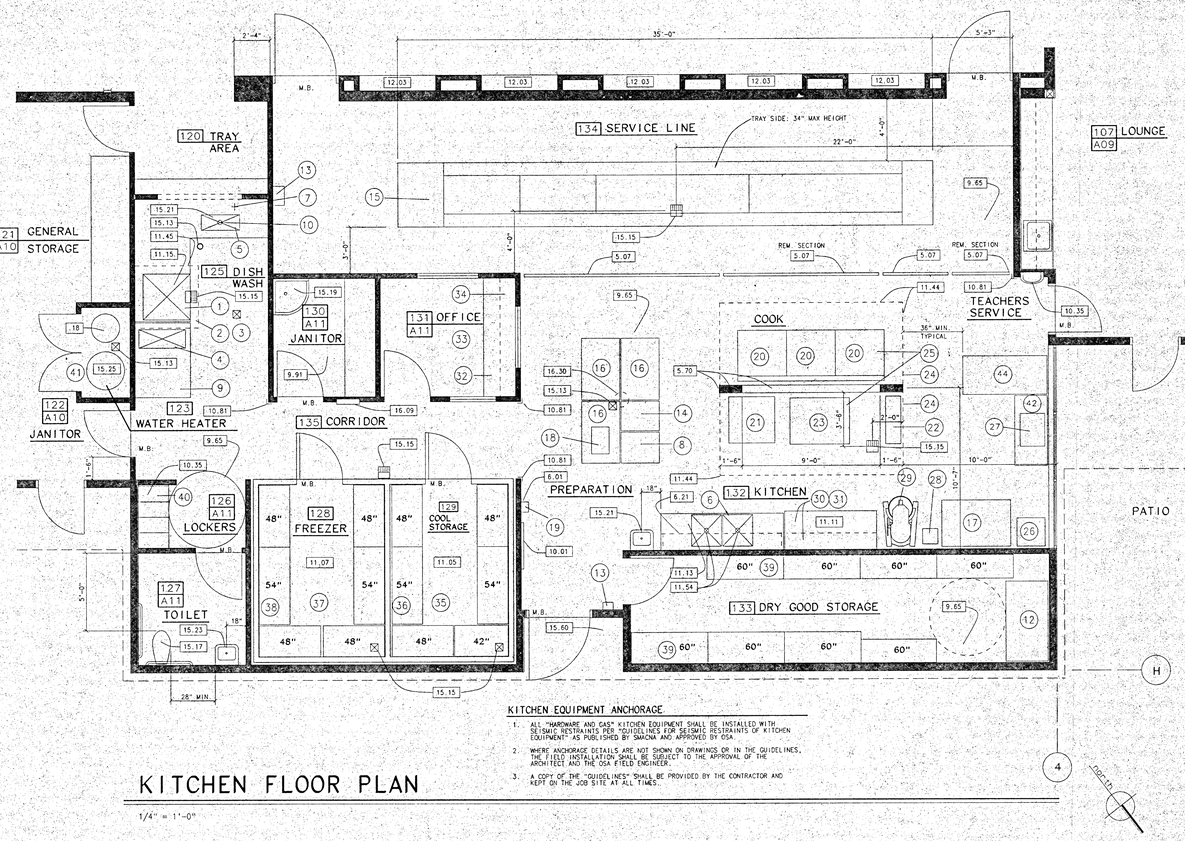
Date: March 8, 1993

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
Reviewed for Code Compliance
Date: 4/1/93
Structural Safety Section

ITEM	DESCRIPTION	BY	QTY	BASE	ELECTRICAL LOAD VOLT	H.P.	K.W.	AMPS	PHASE	CONN.	REMARKS	PLUMBING WATER HOT	WATER COLD	WASTE	BTU 1000	GAS CONN	REMARKS
1	DISHWASHER	KEC	1	LEGS	480	3	10	12.0	3	D		3/4"		2" TO FS			PC TO SUPPLY HW TO MACHINE DIRECTLY FROM BOOSTER HTR.
2	DISHWASHER EXHAUST HOOD	KEC	1	WALL													
3	EXHAUST AIR SYSTEM	CFCI	1	WALL													
4	BOOSTER HEATER	KEC	1	FIXT.	480	24	29		3	D		3/4" 150•					PC TO SUPPLY 92.0 gph OF 150• HW @ 20 psi PLUMB THRU GREASE TRAP
5	SOILED DISHTABLE	KEC	1	LEGS									1/2"				
6	POT SINK	KEC	1	LEGS								3/4"	3/4"	2"			
7	PRE-RINSE	KEC	1	DISH-TABLE								1/2"	1/2"				
8	CART	OFOI	5	CASTERS													
9	CLEAN DISHTABLE	KEC	1	LEGS													
10	GARBAGE DISPOSAL	KEC	1	—	208	2		6.6	1				2"				
11	DISH ROOM CARTS	OFOI															
12	MILK COOLER	OFCI	1	LEGS	120												
13	BUG ZAPPER	OFOI	2	WALL	120			10			OUTLET AT +80"						
14	BUN PAN CARTS	OFOI	2	CASTERS													
15	HOT, COLD, MILK BUFFET	KEC	1	LEGS													
16	WORK TABLE	OFOI	1	LEGS													
17	REFRIGERATOR	KEC	1	LEGS	115	1/3		9.4	1	C							SELF CONTAINED, AIR COOLED CONDENSING UNIT
18	SLICER	OFOI		MOBILE TABLE	120	1/3			1	C							
19	FIRE SUPPRESSION SYSTEM	KEC	1	WALL													KEC TO FURNISH SHUT-OFF VALVE PC TO INSTALL IN GAS LINE
20	DOUBLE DECK CONVECTION OVEN	KEC	3	LEGS	120	3/4		14.8	1	C					230 EA.	3/4" EA.	
21	HEATED CABINET	KEC	2	CASTERS	120		2	18.5	1								
22	RANGE WITH TWO OPEN BURNERS	KEC	1	LEGS											40	3/4"	3/4" NPT, LEFT REAR MANIFOLD W/ PRESSURE REGULATOR
23	TILTING BRAISING PAN	KEC	1	LEGS	120			5.0	1	C		1/2"	1/2"		144	3/4"	
24	EXHAUST HOOD	KEC	2	ROOF	120			3	1	C	LITES IN HOOD						
25	EXHAUST & MAKE-UP AIR SYSTEM	CFCI	2	ROOF							SEE MECH. DWGS.						
26	STORAGE SHELVING	OFOI	1	LEGS													
27	MICROWAVE	OFOI	1		120												
28	STAND	OFOI	1	CASTERS													
29	MIXER 60 QT.	OFOI	1	LEGS	208	2			3	C	EC TO SUPPLY 6' POWER CORD & CAP						
30	BAKERS TABLE	KEC	1	LEGS													
31	INGREDIENT BINS	KEC	3	CASTERS													
32	OFFICE CABINET	CFCI	1	—							SEE ARCH. DWGS.						
33	OFFICE CHAIR	OFOI	1	CASTERS													
34	UPPER CABT.	CFCI	1	WALL							SEE ARCH. DWGS.						
35	WALK-IN COOLER	KEC	1	FLOOR	208	3/4			1	D D	LITES, DOOR HEATER BLOWER, COIL						
36	COOLER SHELVING	OFCI	LOT	LEGS													
37	WALK-IN FREEZER	KEC	1	FLOOR	120	2			1	D D	LITES, DOOR HEATER BLOWER, COIL 4-WIRE COLOR CODED DEFROST			FS			
38	FREEZER SHELVING	OFCI	LOT	LEGS													
39	STORAGE SHELVING	OFCI	LOT	LEGS													
40	LOCKERS	CFCI	1	WALL							SEE ARCH. DWGS.						
41	WATER HEATER	CFCI	1	LEGS							SEE PLUMBING DWGS.						
42	STORAGE SHELVING	OFCI	1	CASTERS													
43	KETTLE DRAINER	OFOI	1	CASTERS													
44	PORTABLE BUFFET	OFOI	1	CASTERS	208				1								

LEGEND :

- OFOI — OWNER FURNISHED OWNER INSTALLED
- KEC — KITCHEN EQUIPMENT CONTRACTOR FURNISHED & INSTALLED
- CFCI — CONTRACTOR FURNISHED & INSTALLED
- OFCI — OWNER FURNISHED & CONTRACTOR INSTALLED



KEYNOTES:

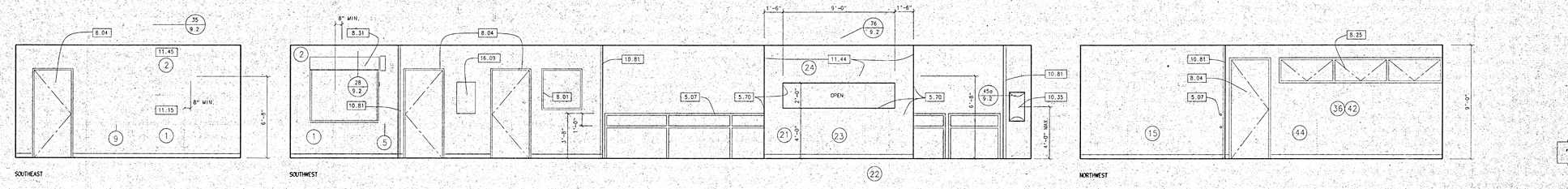
.18	WATER SOFTENER (OFOI)	00000
5.07	ALUMINUM HANDRAIL	05520
5.70	S.S. COVERING OVER WALL	05700
6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
6.21	LAM. PLAS. UPPER CAB. w/ SLOPING TOP	06400
8.01	HOLLOW METAL FRAME	08110
8.03	HOLLOW METAL DOOR & FRAME	08110
8.04	SOLID MASONITE DOOR w/ H.M. FRAME	08110
8.25	BRONZE ANODIZED ALUMINUM FRAMED FRAMED PROJECTED SINGLE GLAZED WINDOW w/ BRONZE TINT.	08520
8.31	ROLL-UP COUNTER FIRE DOOR	08330
9.65	WELDING SHEET VINYL FLOORING	09650
9.91	SEALED CONCRETE FLOOR	09900
10.01	TACKBOARD (3'-0" x 4'-0")	10100
10.33	METAL LOCKERS, 15"w x 15"d X 72"h., DOUBLE TIER	10500
10.35	SEMI-RECESSED CABINET w/ FIRE EXTINGUISHER	10522
10.81	SURFACE MOUNTED CORNER GUARD	10840
11.05	WALK-IN COLD BOX	11400
11.07	WALK-IN FREEZER	11400
11.11	BAKERS TABLE	11400
11.13	S.S. PREP SINK & WORKTABLE	11400
11.15	DISHWASHER	11450
11.44	KITCHEN HOOD	11400
11.54	2-COMPARTMENT S.S. SINK UNIT	11400
11.45	DISHWASHER HOOD	11400
12.03	RECESSED DOUBLE FOLDING TABLE & BENCH UNIT (5'w x 14'L, TOTAL LENGTH EQUALS 28')	12720
15.13	FLOOR DRAIN	15400
15.15	FLOOR SINK	15400
15.17	TOILET	15400
15.19	JANITOR SINK	15400
15.21	SINK	15400
15.23	LAVATORY	15400
15.25	WATER HEATER	15400
15.60	FLY FAN	15650
16.09	ELECTRICAL PANEL	16100
16.30	CEILING MOUNTED RETRACTABLE OUTLET REEL	16100

KITCHEN EQUIPMENT ANCHORAGE

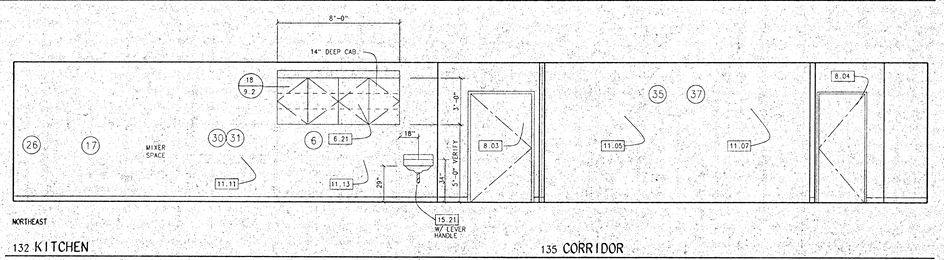
1. ALL "HARDWARE AND GAS" KITCHEN EQUIPMENT SHALL BE INSTALLED WITH SEISMIC RESTRAINTS PER "GUIDELINES FOR SEISMIC RESTRAINTS OF KITCHEN EQUIPMENT" AS PUBLISHED BY SMACNA AND APPROVED BY OSA.
2. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND THE OSA FIELD ENGINEER.
3. A COPY OF THE "GUIDELINES" SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB SITE AT ALL TIMES.

KITCHEN FLOOR PLAN

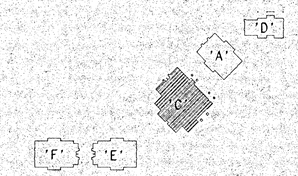
1/4" = 1'-0"



125 DISH WASH — 125 DISH WASH — 135 CORRIDOR — 132 KITCHEN — 134 SERVICE LINE — 132 KITCHEN



132 KITCHEN — 135 CORRIDOR



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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

Sheet title: KITCHEN FLOOR PLAN & ELEVATIONS, FIXTURE & EQUIPMENT SCHEDULES

Date: Issued for:

Date: Revisions:

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Job no: 1223
Dgn. file: mms07.2d

Sheet: A.07
Sheet of: 30
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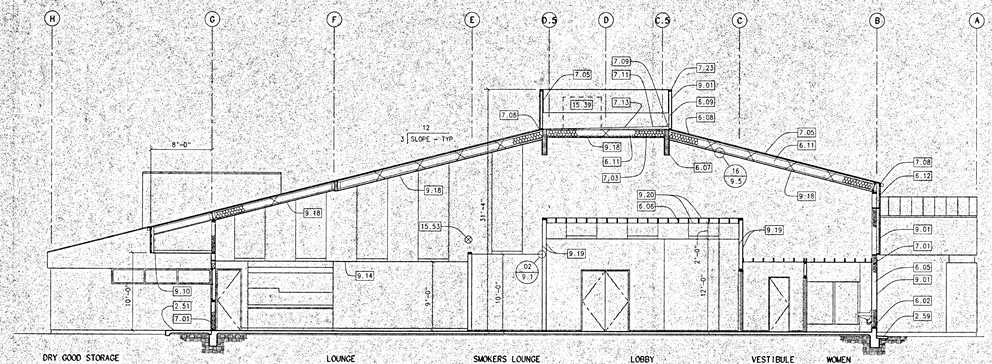
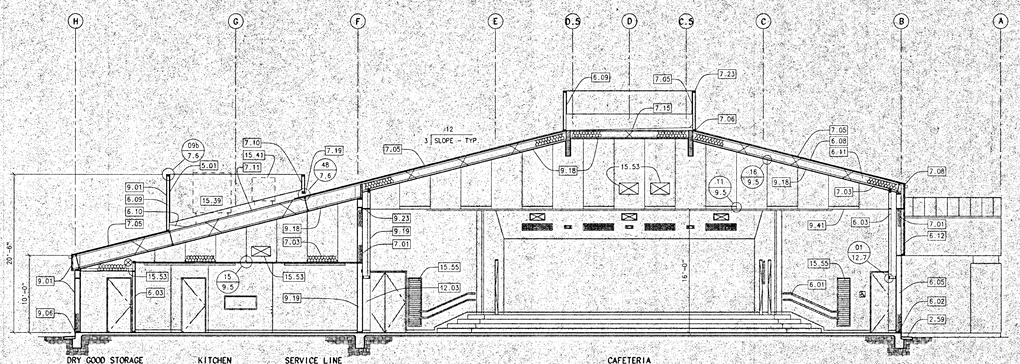
OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
PORTION 1 MAY 11 1993
Structural Safety



A SECTION 1/8" = 1'-0"



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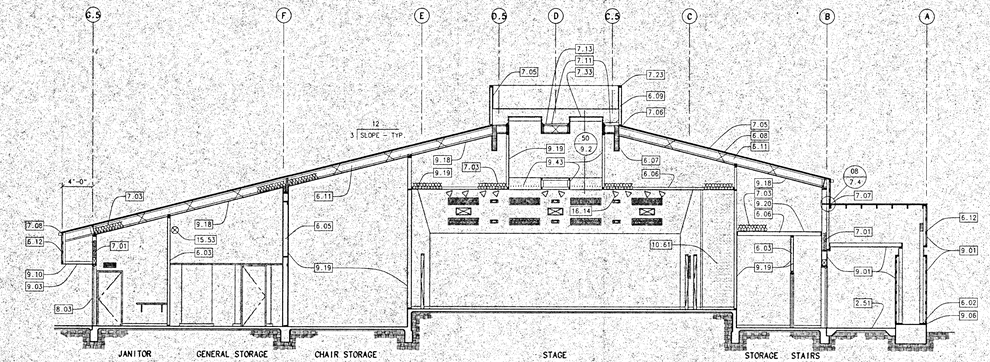

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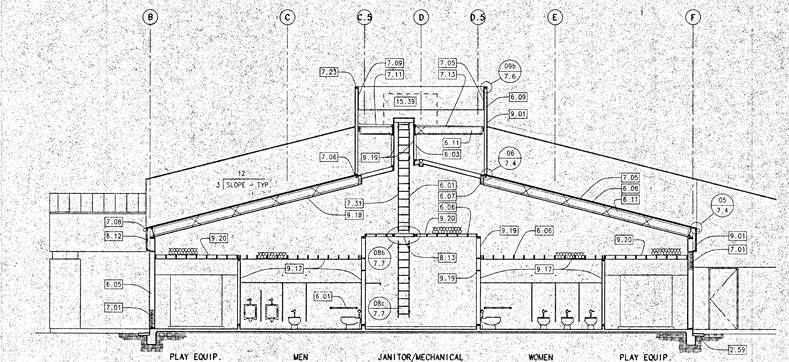

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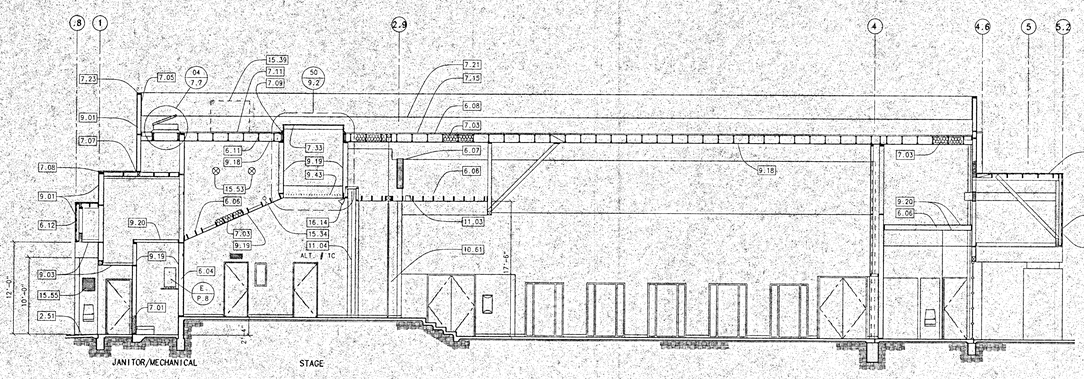

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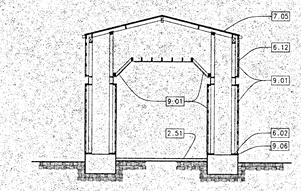

F SECTION 1/8" = 1'-0"

KEYNOTES:

2.51	CONCRETE WALK (4" THICK)		02514
2.59	CONCRETE CURB STRIP (18" WIDE)		02514
5.01	METAL SIDING		05500
6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES		06100
6.02	2x P.T.D.F. PLATE (TYP.)		06100
6.03	2x STUDS @ 16" o/c		06100
6.04	SOUND WALL TO HAVE STAGERED 2x6 STUDS @ 16" o/c FULL HEIGHT ON 2x6 PLATE w/ INTERPLACED WALL INSULATION		06100
6.05	2x8 STUDS @ 16" o/c		06100
6.06	2x C.J./R.F. @ 16" o/c		06100
6.07	GCU-LAM WOOD BEAM		06100
6.08	PLYWOOD ROOF SHEATHING		06100
6.09	WOOD FRAME PARAPET		06100
6.10	PLYWOOD CRICKET		06100
6.11	TRUSS JOIST ROOF FRAMING		06100
6.12	2x HORIZONTAL FURRING		06100
7.01	6" BATT INSULATION - (R-19)		07200
7.03	9" BATT INSULATION - (R-30)		07200
7.05	PREFINISHED METAL ROOFING		07410
7.06	PREFINISHED METAL REGLET TO STUCCO PARAPET WALL		07410
7.07	PREFINISHED METAL RAKEWALL FLASHING		07410
7.08	PREFINISHED METAL RAKE & EAVE TRIM		07410
7.09	CONTINUOUS 3" FIBER CANT STRIP		07510
7.11	BUILT-UP COMPOSITION ROOFING		07510
7.13	WALKWAY PROTECTION CAPSHEET		07510
7.15	RIDGID INSULATION BOARD (TAPERED FOR ROOF DRAINAGE)		07510
7.19	PITCH POCKET		07510
7.21	24 GA. G.I. COUNTER FLASHING		07600
7.23	24 GA. G.I. CAP FLASHING - PAINTED		07600
7.29	ROOF HATCH 30" x 36"		07700
7.31	ROOF ACCESS ALUMINUM LADDER		07700
7.33	SMOKE HATCH		07700
8.03	HOLLOW METAL DOOR & FRAME		08110
8.13	CEILING ACCESS PANEL 30" x 36" PAINTED		08305
9.01	CEMENT PLASTER w/ SAND FLOAT FINISH		09200
9.03	CEMENT PLASTER SOFFIT w/ SAND FLOAT FINISH		09200
9.06	PLASTER WEEP SCREED		09200
9.10	CONTINUOUS VENT SCREED (SUPERIOR #115 - 3.5")		09250
9.14	(2) COAT VENEER PLASTER OVER 1/2" TYPE 'X' FIRE RATED LATH		09215
9.17	CEMENT PLASTER INTERIOR FINISH		09250
RC 2601	9.18	2 - LAYERS 5/8" GYPSUM BOARD DRYWALL TYPE 'X' (FIRE RATED)	09250
	9.19	5/8" GYPSUM BOARD DRYWALL TYPE 'X' (FIRE RATED)	09250
WP 3695	9.20	5/8" GYPSUM BOARD DRYWALL w/ (1) LAYER 5/8" TYPE 'X' @ TOP SIDE ATTIC OF 2x CEILING JOISTS	09250
	9.23	DRAFT STOPS	09250
	9.41	2' x 4' SUSPENDED T-BAR CEILING w/ FLUSH LAY-IN PANEL	09510
	9.43	PARABOLIC GRILLED SMOKE SHAFT	09510
	10.61	MANUAL SINGLE PANEL MOVABLE PARTITION	10650 ALTERNATE #1
	11.03	RECESSED ELECTRIC PROJECTION SCREEN	11132
	11.04	MANUAL PULL BI-PARTING STAGE CURTAIN	11062
	12.03	RECESSED DOUBLE FOLDING TABLE & BENCH UNIT W/ REMOVABLE BENCHES	12720
	15.39	H.V.A.C. EQUIPMENT	15800
	15.41	EVAPORATIVE COOLER	15800
	15.53	MECHANICAL DUCT WORK	15800
	15.55	MECHANICAL GRILLE - PAINTED	15800
	16.14	STAGE LIGHTING FIXTURES	16100

KEY PLAN

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
FRESNO

Environmental Design
Office of the State Architect
PORTION 1
MAY 11 1993
Structural Safety Section

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

LICENSED ARCHITECT PHIL KLASSEN C10401 EXP. 3-31-95 STATE OF CALIFORNIA

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Written dimension on these drawings shall have precedence over scaled dimension. contractors shall verify and be responsible for all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

Sheet title: BUILDING SECTIONS - 'C'

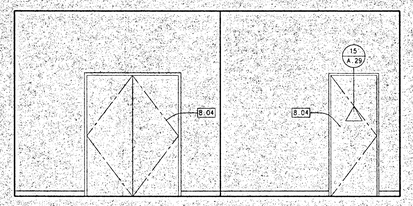
Date: Issued for:

Date: Revisions:

Drawn by: done
Job no: 1223
Dgn. file: mag08.2d

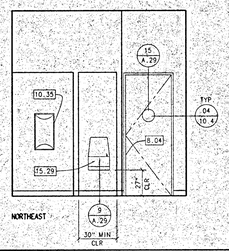
Sheet:
A.08
Sheet of 30

Date: March 8, 1993



NORTHWEST

101 LOBBY



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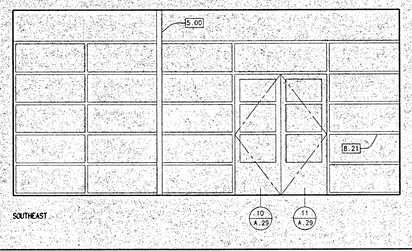

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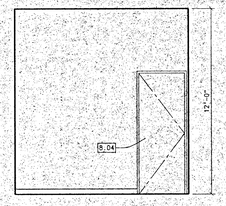

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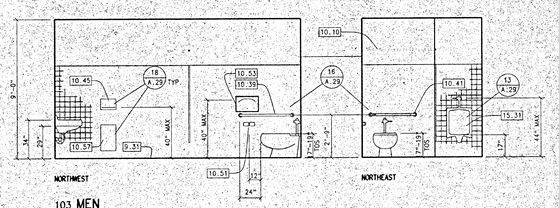
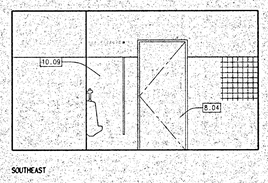


NORTHWEST NORTHEAST

103 MEN



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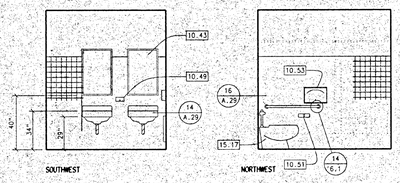
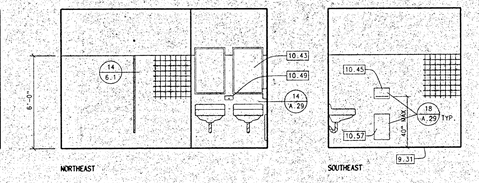
103 MEN

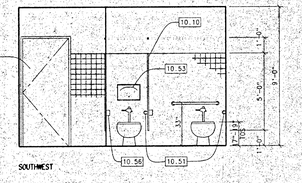


SOUTHEAST NORTHWEST

105 WOMEN



NORTHEAST SOUTHEAST



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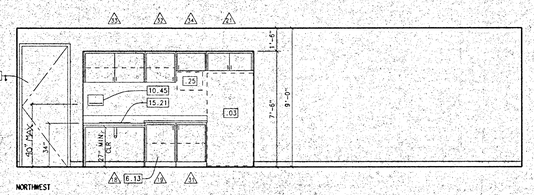
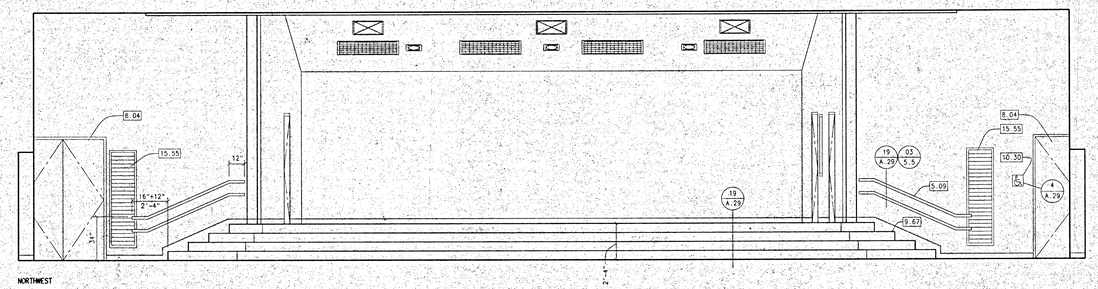


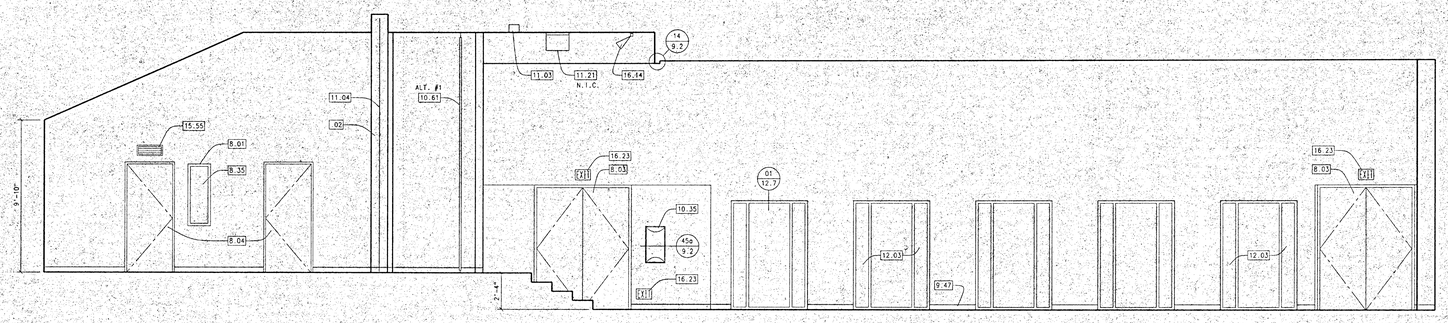
NORTHWEST

107 LOUNGE



NORTHWEST

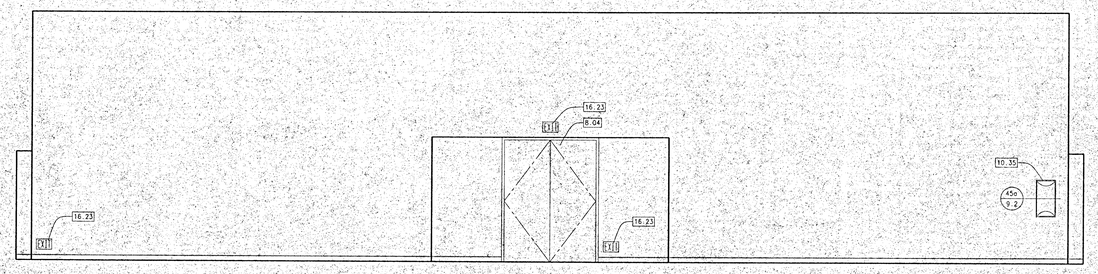
109 PLATFORM



NORTHEAST

109 PLATFORM

108 CAFETERIA



SOUTHEAST

108 CAFETERIA

KEYNOTES:

.02	CURTAIN STACK SPACE	00000
.25	MICROWAVE SPACE	00000
.29	VENDING EQUIPMENT	00000
.30	REFRIGERATOR	00000
5.00	STEEL TUBE COLUMN	05120
5.09	ALUMINUM HANDRAIL (DUAL RAIL)	05520
6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
6.10	LAM. PLASTIC UPPER CABINET	06400
6.13	BASE CAB W/ PROVISION FOR FUTURE DISHWASHER	06400
6.21	LAM. PLASTIC TALL STORAGE CABINET W/ SLOPING TOP	06400
6.29	LAM. PLASTIC BASE CABINET	06400
8.01	HOLLOW METAL FRAME	08110
8.03	HOLLOW METAL DOOR AND FRAME	08110
8.04	SOLID MASONITE DOOR W/ H.M. FRAME	08110
8.17	STAINLESS STEEL ACCESS DOOR 12"x 12"	08305
8.19	HOLLOW METAL ACCESS DOOR	08305
8.21	BRONZE ANODIZED ALUM. STOREFRONT SYSTEM W/ SINGLE GLAZING	08410
9.17	5/8" GYPSUM BOARD DRYWALL	09250
9.21	WATER RESISTANT BOARD TO 4'-0" HIGH	09250
8.33	TEMPERED GLASS	08800
8.35	MIRROR	08800
8.34	WIRE GLASS	08800
9.25	WATER RESISTANT BOARD TO 6'-0" HIGH	09250
9.31	COVED CERAMIC TILE BASE	09300
9.33	THIN-SET CERAMIC WALL TILE OVER W/R GYPSUM BOARD	09300
9.37	CERAMIC TILE ACCENT COLOR	09300
9.39	CERAMIC TILE ACCENT STRIPE	09300
9.47	RUBBER TOPSET BASE (4" HIGH)	09650
9.59	PAINT	09900
9.67	RUBBER STAIR TREAD, SKIRT & NOSING	09650
10.09	SOLID PLASTIC, WALL-HUNG SCREEN	10160
10.10	SOLID PLASTIC, FLOOR MOUNTED OVERHEAD BRACED PARTITIONS	10160
10.30	"HANDICAP ACCESS" SIGN	10436
10.35	SEMI-RECESSED CABINET W/FIRE EXT.	10522
10.39	GRAB BAR 42" L. (Bobrick B-6206)	10800
10.41	GRAB BAR 36" L. (Bobrick B-6206)	10800
10.43	1/4" PLATE GLASS MIRROR IN STAIN-STEEL FRAME (Bobrick B-290 Series)	10800
10.45	SURFACE MOUNTED PAPER TOWEL DISPENSER (Bobrick B-263)	10800
10.49	SURFACE MOUNTED LIQUID SOAP DISPENSER (Bobrick B-112)	10800
10.51	SURFACE MOUNTED TOILET PAPER DISPENSER (Bobrick B-274)	10800
10.53	SURFACE MOUNTED TOILET SEAT COVER DISPENSER (Bobrick - B 221)	10800
10.56	SURFACE MOUNTED FEMININE NAPKIN DISPOSAL (Bobrick B-270)	10800
10.57	SURFACE MOUNTED WASTE PAPER DISPOSAL (Bobrick B-279)	10800
10.61	MANUAL SINGLE PANEL MOVABLE PARTITION	10650 - ALT. #1
11.03	RECESSED ELECTRIC PROJECTION SCREEN	11132
11.04	MANUAL PULL BI-PARTING STAGE CURTAIN	11062
11.21	SUSPENDED SPEAKER (PAINTED)	11510
12.03	RECESSED DOUBLE FOLDING TABLE & BENCH UNIT (5'W x 14'L, Total Length Equals 28')	12720
15.17	TOILET	15400
15.21	SINK	15400
15.29	HANDICAPPED DRINKING FOUNTAIN	15400
15.31	URINAL	15400
15.55	MECHANICAL GRILLE	15800
16.14	STAGE LIGHTING FIXTURES	16100
16.23	EXIT LIGHT FIXTURE	16100
16.43	FIRE ALARM HORN	16721
16.45	FIRE ALARM, VISUAL STROBE LIGHT	16721
16.47	FIRE ALARM AUDIO/VISUAL STROBE LIGHT	16721

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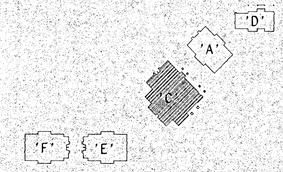
KEY PLAN



OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION

APPROVED

DEPARTMENT OF GENERAL SERVICES Office of the State Architect

PORTION 1 NO. 1 1993

Structural Safety Section

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL - BAKERSFIELD, CA.

Sheet title: INTERIOR ELEVATIONS - 'C'

Date:	Issued for:

Date:	Revisions:

Drawn by: done

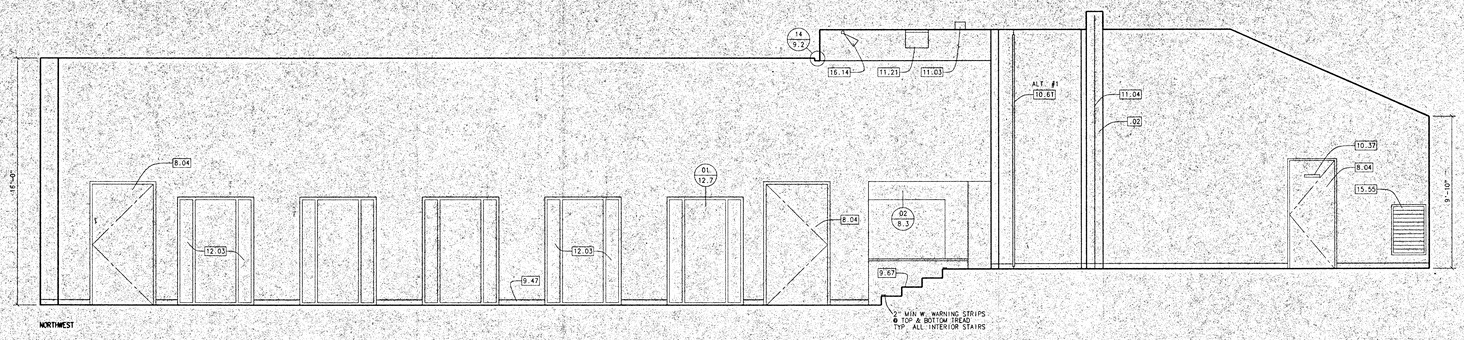
Job no: 1223

Dgn: file: mm09.2d

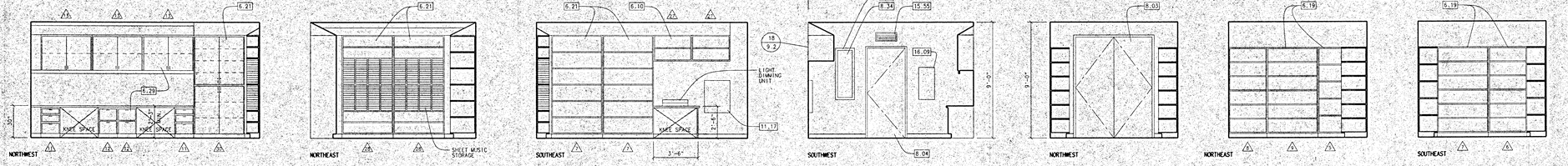
Sheet: A.09

Sheet of: 30

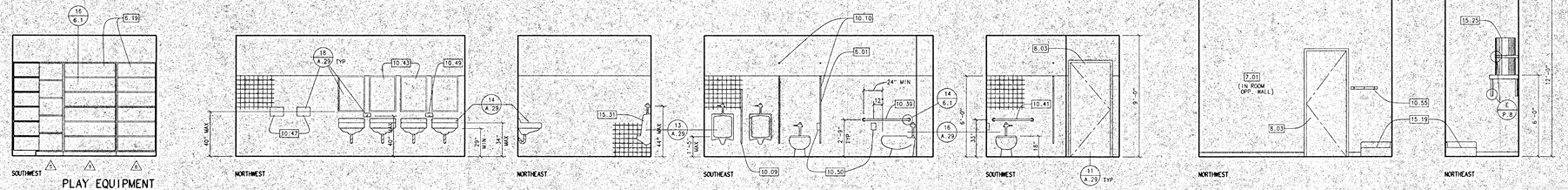
Date: March 8, 1993



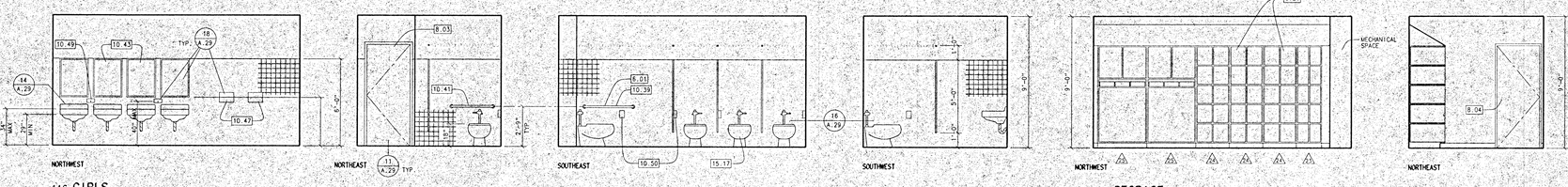
108 CAFETERIA | 109 PLATFORM | 111 STAIRWAY/LIFT



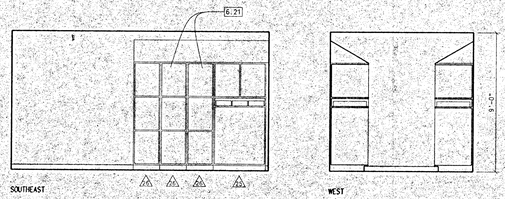
112 BAND STORAGE | 113 & 117 PLAY EQUIPMENT STORAGE



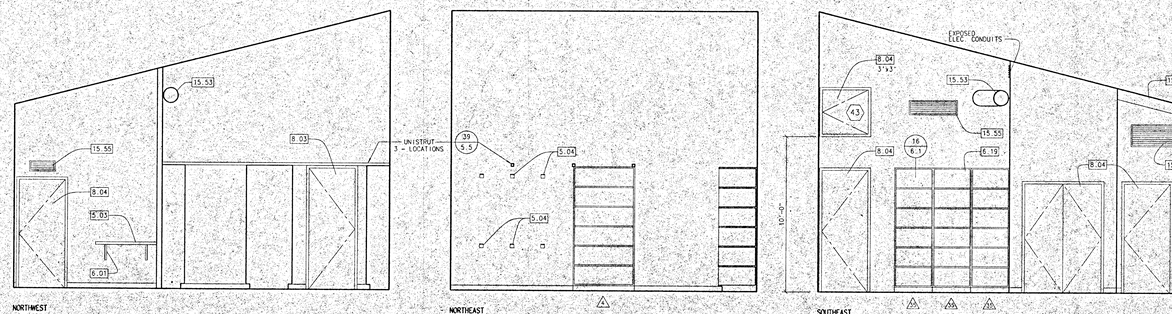
PLAY EQUIPMENT 113 & 117 STORAGE | 114 BOYS | 115 JANITOR/MECHANICAL



116 GIRLS | 118 STORAGE



118 STORAGE



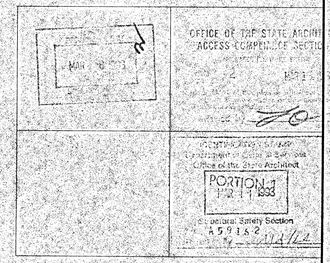
122 CUSTODIAL | 121 GENERAL STORAGE | LADDER STORAGE | 122 CUSTODIAL

KEYNOTES:

.02	CURTAIN STACK SPACE	10800
5.03	WORK BENCH W/ METAL WALL BRACKETS	05500
5.04	STEEL LADDER RACK BRACKETS	05500
5.07	ALUMINUM HANDRAIL	05520
5.09	ALUMINUM HANDRAIL (DUAL RAIL)	05520
6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
6.10	LAM PLASTIC UPPER CABINET	06400
6.12	LAMINATE PLASTIC WATER HEATER SHELF	06400
6.19	LAM. PLASTIC TALL STORAGE CABINET	06400
6.21	LAM. PLASTIC TALL STORAGE CABINET W/ SLOPING TOP	06400
6.29	LAM. PLASTIC BASE & UPPER CABINET	06400
6.49	1-1/2" DIA. DRILLED HOLE THRU COUNTERTOP FOR COMPUTER CABLE (VERIFY EXACT LOCATION)	06400
7.01	ROOF ACCESS ALUM. LADDER	07700
8.01	HOLLOW METAL FRAME	08110
8.03	HOLLOW METAL DOOR AND FRAME	08110
8.04	SOLID MASONITE DOOR W/ H.M. FRAME	08110
8.17	STAINLESS STEEL ACCESS DOOR 12" X 12"	08305
8.19	HOLLOW METAL ACCESS DOOR	08305
9.17	5/8" GYPSUM BOARD DRYWALL	09250
9.31	WATER RESISTANT BOARD TO 4'-0" HIGH	09250
8.35	MIRROR	08800
8.34	WIRE GLASS	08800
9.25	WATER RESISTANT BOARD TO 6'-0" HIGH	09250
9.31	COVED CERAMIC TILE BASE	09300
9.33	THIN-SET CERAMIC WALL TILE OVER W/R GYPSUM BOARD	09300
9.37	CERAMIC TILE ACCENT COLOR	09300
9.39	CERAMIC TILE ACCENT STRIPE	09300
9.47	RUBBER TOPSET BASE (4" HIGH)	09650
9.59	PAINT	09900
9.67	RUBBER STAIR TREAD, SKIRT & NOSING	09650
10.01	TACKBOARD (4'x8')	10100
10.03	TACK WALL (1/2" THICK W/VINYL COVERING) OVER 1/2" GYPSUM BOARD	10100
10.05	LIQUID CHALKBOARD (4' X 12')	10100
10.07	LIQUID CHALKBOARD (4' X 8')	10100
10.09	SOLID PLASTIC, WALL-HUNG SCREEN	10160
10.10	SOLID PLASTIC, FLOOR MOUNTED OVERHEAD BRACED PARTITIONS	10160
10.14	WALL MOUNTED SIGN (FRAMED)	10425
10.35	SEMI-RECESSED CABINET W/FIRE EXT.	10522
10.37	DOOR SIGN "FIRE EXTINGUISHER INSIDE"	10425
10.39	GRAB BAR 42" L. (Bobrick B-6206)	10800
10.41	GRAB BAR 36" L. (Bobrick B-6206)	10800
10.43	1/4" PLATE GLASS MIRROR IN STAIN. STEEL FRAME (Bobrick B-290 Series)	10800
10.47	WARM AIR HAND DRYER (Bobrick B-400)	10800
10.49	SURFACE MOUNTED LIQUID SOAP DISPENSER (Bobrick B-112)	10800
10.50	SURFACE MOUNTED SHEET TOILET PAPER DISPENSER (Bobrick B-270)	10800
10.55	MOP RACK (Bobrick B-223 36")	10800
10.61	MANUAL SINGLE PANEL MOVABLE PARTITION	10650 - ALT. #1
11.03	RECESSED ELECTRIC PROJECTION SCREEN	11132
11.04	MANUAL PULL BI-PARTING STAGE CURTAIN	11682
11.17	SOUND EQUIPMENT & RACK	11510
11.19	REMOTE SOUND CONTROL PANEL	11510
11.21	SUSPENDED SPEAKER (PAINTED)	11510
12.03	RECESSED DOUBLE FOLDING TABLE & BENCH UNIT	12720
15.17	TOILET	15400
15.19	JANITOR SINK	15400
15.25	WATER HEATER	15400
15.31	URINAL	15400
15.55	MECHANICAL GRILLE	15800
15.53	EXPOSED MECHANICAL DUCT (PAINTED)	15800
16.09	ELECTRICAL PANEL	16100
16.14	STAGE LIGHTING FIXTURES	16100
16.23	EXIT LIGHT FIXTURE	16100
16.31	P.A. EQUIPMENT RACK & CABINET	16100
16.37	SURFACE RACEWAY (WIRE MOLD)	16100
16.43	FIRE ALARM HORN	16721
16.45	FIRE ALARM, VISUAL STROBE LIGHT	16721
16.47	FIRE ALARM AUDIO/VISUAL STROBE LIGHT	16721
16.81	FIRE ALARM PANEL	16721

KEY PLAN





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LICENSED ARCHITECT PAUL KLASSEN C10401 REN 1-31-95 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.
Sheet title: INTERIOR ELEVATION - 'C'

Date:	Issued for:

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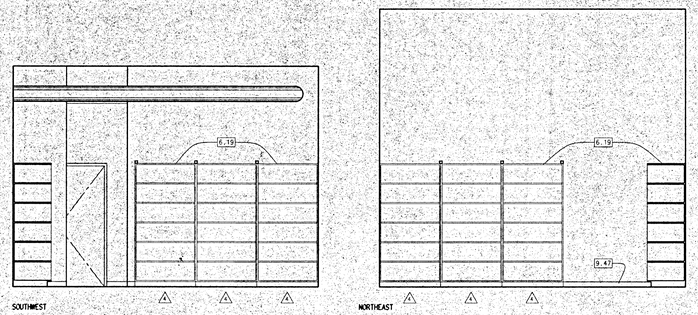
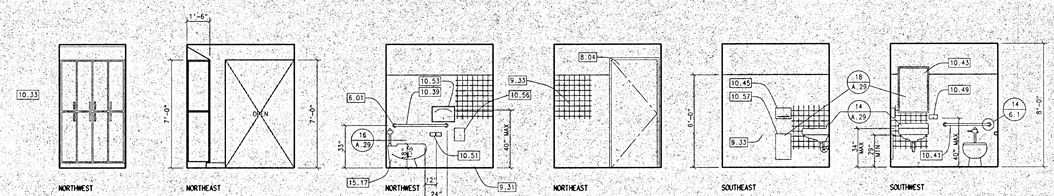
Drawn by: done:
Job no: 1223
Dgn. file: ma010.2d

Sheet
A.10
Sheet of: 30
Date: March 8, 1993



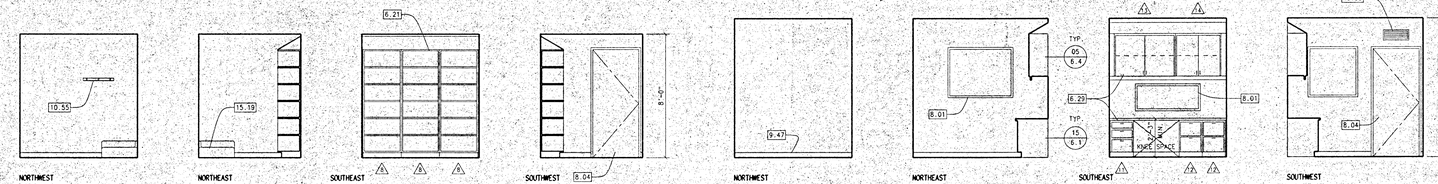
121 GENERAL STORAGE

CENTER ISLAND



126 LOCKERS

127 TOILET



130 JANITOR

131 OFFICE

KEYNOTES:

6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
6.19	LAM. PLASTIC TALL STORAGE CABINET	06400
6.21	LAM. PLASTIC TALL STORAGE CABINET w/ SLOPING TOP	06400
6.29	LAM. PLASTIC BASE & UPPER CABINET	06400
6.49	1-1/2" DIA. GROMMETED HOLE THRU COUNTERTOP FOR COMPUTER CABLE (VERIFY EXACT LOCATION)	06400
8.01	HOLLOW METAL FRAME	08110
8.04	SOLID MASONITE DOOR w/ H.M. FRAME	08110
8.17	STAINLESS STEEL ACCESS DOOR 12" x 12"	08305
8.19	HOLLOW METAL ACCESS DOOR	08305
9.17	5/8" GYPSUM BOARD DRYWALL	09250
9.21	WATER RESISTANT BOARD TO 4'-0" HIGH	09250
8.35	MIRROR	08800
8.34	WIRE GLASS	08800
9.25	WATER RESISTANT BOARD TO 8'-0" HIGH	09250
9.31	COVED CERAMIC TILE BASE	09300
9.33	THIN-SET CERAMIC WALL TILE OVER W/R GYPSUM BOARD	09300
9.37	CERAMIC TILE ACCENT COLOR	09300
9.39	CERAMIC TILE ACCENT STRIPE	09300
9.47	RUBBER TOPSET BASE (4" HIGH)	09550
9.57	VINYL WALLCOVERING	09950
9.59	PAINT	09900
10.03	TACK WALL (1/2" THICK w/ VINYL COVERING) OVER 1/2" GYPSUM BOARD	10100
10.33	METAL LOCKERS ..15" W X 15" D X 72" H.; DOUBLE TIER	10550
10.39	GRAB BAR 42" L. (Bobrick B-6206)	10800
10.41	GRAB BAR 36" L. (Bobrick B-6206)	10800
10.43	1/4" PLATE GLASS MIRROR IN STAIN. STEEL FRAME (Bobrick B-290 Series)	10800
10.45	SURFACE MOUNTED PAPER TOWEL DISPENSER (Bobrick B-263)	10800
10.49	SURFACE MOUNTED LIQUID SOAP DISPENSER (Bobrick B-112)	10800
10.51	SURFACE MOUNTED TOILET PAPER DISPENSER (Bobrick B-274)	10800
10.53	SURFACE MOUNTED TOILET SEAT COVER DISPENSER (Bobrick - B 221)	10800
10.55	MOP RACK (Bobrick B-223 36")	10800
10.56	SURFACE MOUNTED FEMININE NAPKIN DISPOSAL (Bobrick B-270)	10800
10.57	SURFACE MOUNTED WASTE PAPER DISPOSAL (Bobrick B-279)	10800
10.61	MANUAL SINGLE PANEL MOVABLE PARTITION	10650 - ALT. #1
10.81	SURFACE MOUNTED CORNER GUARD	10840
11.03	SURFACE MOUNTED ELECTRIC PROJECTION SCREEN	11132
11.04	MANUAL PULL BI-PARTING STAGE CURTAIN	11062
15.17	TOILET	15400
15.19	JANITOR SINK	15400
15.55	MECHANICAL GRILLE	15800
16.09	ELECTRICAL PANEL	16100
16.31	P.A. EQUIPMENT RACK & CABINET	16100
16.37	SURFACE RACEWAY (WIRE MOLD)	16100
16.43	FIRE ALARM HORN	16721
16.45	FIRE ALARM VISUAL STROBE LIGHT	16721

CABINET SCHEDULE

EQUIPMENT NO.	W. I. C. NO.	CABINET SIZE L — H — D	DESCRIPTION
1	400	48" x 96" x 36"	OPEN TALL CABINET – (5) ADJUSTABLE SHELVES
2	400	48" x 96" x 30"	OPEN TALL CABINET – (5) ADJUSTABLE SHELVES
3	400	36" x 96" x 30"	OPEN TALL CABINET – (5) ADJUSTABLE SHELVES
4	400	48" x 96" x 18"	OPEN TALL CABINET – (5) ADJUSTABLE SHELVES
5	400	48" x 84" x –	OPEN TALL CABINET – (4) ADJUSTABLE SHELVES – MODIFIED TO BE CORNER UNIT
6	400	36" x 84" x 24"	OPEN TALL CABINET – (5) ADJUSTABLE SHELVES
7	400	48" x 84" x 24"	OPEN TALL CABINET – (5) ADJUSTABLE SHELVES
8	400	30" x 84" x 18"	OPEN TALL CABINET – (5) ADJUSTABLE SHELVES
9	400	48" x 84" x 18"	OPEN TALL CABINET – (5) ADJUSTABLE SHELVES
10	290	36" x 1" x 24"	MODIFIED TO PENCIL-DRAWER – 1" D.
11	230	18" x 30" x 24"	BASE CABINET – (3) DRAWERS
12	223	18" x 30" x 24"	BASE CABINET – LETTER FILE
13	302	48" x 18" x 15"	UPPER CABINET – (1) ADJUSTABLE SHELF – RECESS FOR LIGHT VALANCE
14	302	36" x 36" x 15"	UPPER CABINET – (1) ADJUSTABLE SHELF – RECESS FOR LIGHT VALANCE
15	302	48" x 36" x 15"	UPPER CABINET – (1) ADJUSTABLE SHELF
16	400	48" x 96" x 24"	TALL CABINET – (5) ADJUSTABLE SHELVES
17	400	36" x 96" x 24"	TALL CABINET – (5) ADJUSTABLE SHELVES
18	156	48" x 34" x 24"	SINK BASE UNIT
19	101	24" x 36" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF – WIDTH SIZED FOR FUTURE DISHWASHER
20	230	18" x 36" x 24"	BASE CABINET – (4) DRAWERS
21	302	36" x 15" x 15"	UPPER CABINET
22	302	36" x 24" x 15"	UPPER CABINET – (1) ADJUSTABLE SHELF
23	TRIMLINE 4040	21" x 84" x 30"	TALL CABINET – 10 "B" COMPARTMENTS (9.1/4" x 14.3/4" x 29") TRIMLINE CO. OPEN CABINET, STAINLESS STEEL EDGE BANDING
24	TRIMLINE 4050	28" x 84" x 30"	TALL CABINET – 10 "C" COMPARTMENTS (12.1/2" x 14.3/4" x 29")
25	TRIMLINE 4030	41" x 84" x 30"	TALL CABINET – 2 "D" COMPARTMENTS, 1 "H", 1 "J". 3 TOTE TRAYS
26	TRIMLINE 4010	21" x 84" x 30"	TALL CABINET – 3 "D" COMPARTMENTS (19.1/4" x 25.1/2" x 29")
27	300	36" x 24" x 24"	OPEN UPPER CABINET – (1) ADJUSTABLE SHELF
28	400	48" x 96" x 12"	OPEN TALL CABINET – MODIFIED SHEET MUSIC STORAGE MASONITE @ 2" o/c w/ HAND CUTOUT @ MIDDLE 4'
29	400	36" x 96" x 12"	OPEN TALL CABINET – (5) ADJUSTABLE SHELVES
30	402	48" x 96" x 24"	TALL CABINET – (5) ADJUSTABLE SHELVES – MODIFIED FOR (4) DOORS w/ LOCK
31	102	24" x 36" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF
32	302	24" x 24" x 15"	UPPER CABINET – (1) ADJUSTABLE SHELF
33	302	48" x 24" x 15"	UPPER CABINET – (1) ADJUSTABLE SHELF
34	302	24" x 15" x 15"	UPPER CABINET
35	400	30" x 96" x 30"	OPEN TALL CABINET – (5) ADJUSTABLE SHELVES

CABINET ANCHORAGE

VERTICAL LOAD REQUIREMENT – REF.: TABLE NO. 23-B
LATERL FORCE REQUIREMENT :- REF.: TABLE NO. 23-P

PROVIDE BRACING AND ANCHORAGE DETAILS FOR WALL HUNG CABINETS AND FLOOR SUPPORTED STORAGE RACKS, CABINETS AND BOOK STACKS OVER FIVE FEET-IN HEIGHT. DESIGN SUPPORTING PARTITIONS AND WALLS TO RESIST FORCES APPLIED BY CABINET ANCHORAGES.



KEY PLAN

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LICENSED ARCHITECT C. EMIL KLASSEN C10401 EXP. 1-31-95 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA. 93306

Sheet title: INTERIOR ELEVATIONS & CABINET SCHEDULES - C.C.

Date:	Issued for:

Date:	Revisions:

Drawn by: done

Job no: 1223

Dgn. file: mod1.2d

Sheet: A.11

Sheet of: 30

Date: March 8, 1993

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION

MAR 8 '93

MAR 1 '93

Department of General Services Office of the State Architect

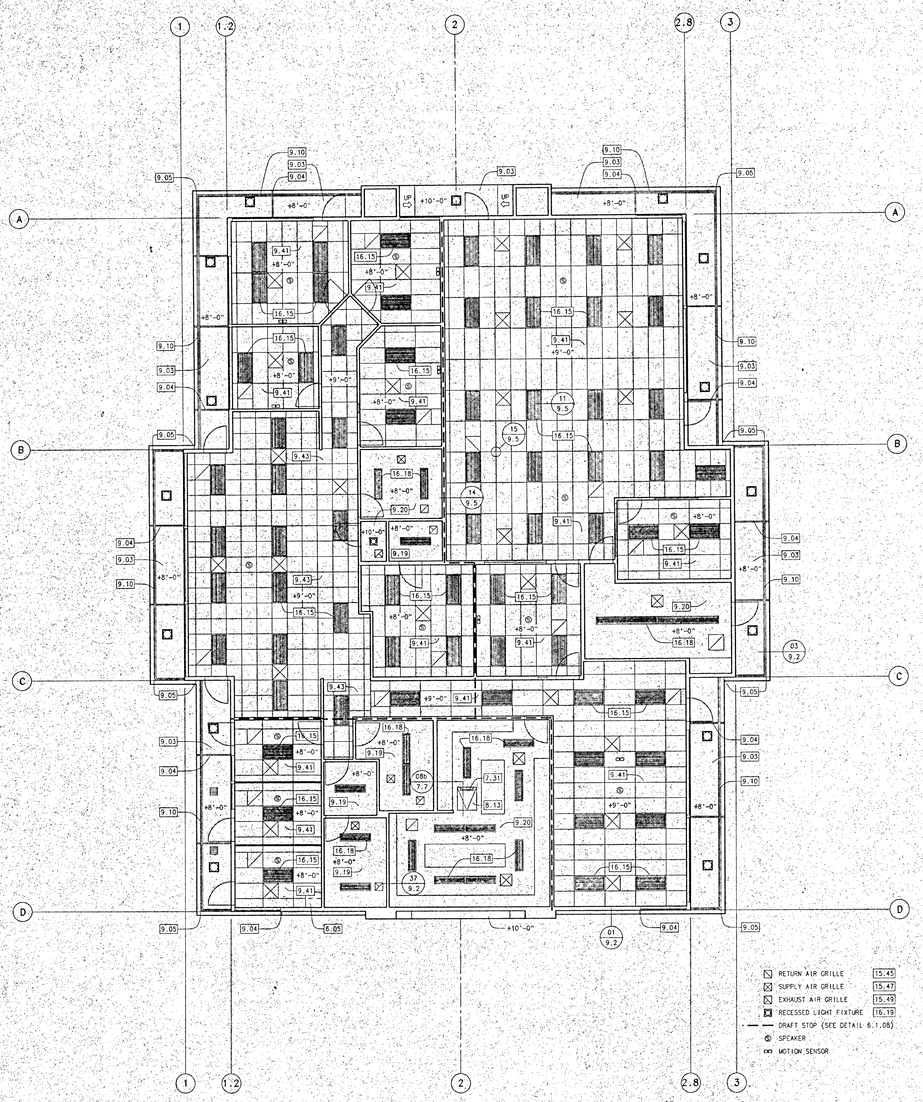
PORTION 1 12/11/93

Structural Safety Section

Reviewed by

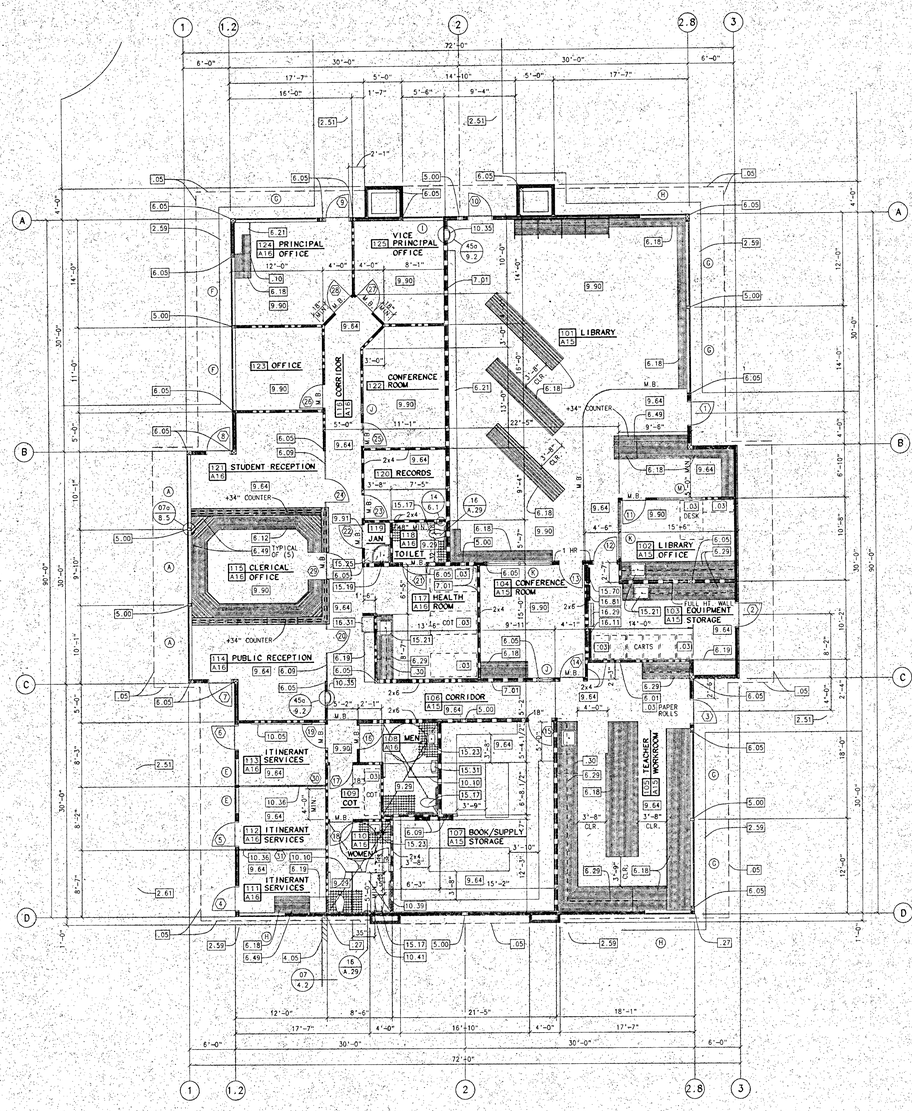
CAFETERIA ROOM FINISH SCHEDULE 'C'

| # | ROOM NAME | FLOOR: CONCRETE (SEALED) | FLOOR: CARPET (GLUE DOWN) | FLOOR: SHEET VINYL W/ WELDED SEAMS | FLOOR: VINYL COMPOSITION TILE | FLOOR: CERAMIC TILE (THIN SET) | FLOOR: CERAMIC TILE (MORTAR BED) | FLOOR: FACTORY | BASE: 4" RUBBER TOPSET BASE | BASE: COVED CERAMIC TILE | BASE: 6" COVED SHEET VINYL | BASE: FACTORY | NW WALL: 5/8" TYPE 'X' GYPSUM BOARD | NW WALL: CEMENT PLASTER | NW WALL: 1/2" IMPERIAL BD TYPE 'X' W/ 2 COAT VENEER PLASTER | NW WALL: CERAMIC TILE TO +6'-0" OVER MORTER BED | NW WALL: CER. TILE +6'-0" OVER 5/8" TYPE 'X' MOIST RESIST G.B. | NE WALL: 5/8" TYPE 'X' GYPSUM BOARD | NE WALL: CEMENT PLASTER | NE WALL: 1/2" IMPERIAL BD TYPE 'X' W/ 2 COAT VENEER PLASTER | NE WALL: CERAMIC TILE TO +6'-0" OVER MORTER BED | NE WALL: CER. TILE +6'-0" OVER 5/8" TYPE 'X' MOIST RESIST G.B. | SE WALL: 5/8" TYPE 'X' GYPSUM BOARD | SE WALL: CEMENT PLASTER | SE WALL: 1/2" IMPERIAL BD TYPE 'X' W/ 2 COAT VENEER PLASTER | SE WALL: CERAMIC TILE TO +6'-0" OVER MORTER BED | SE WALL: CER. TILE +6'-0" OVER 5/8" TYPE 'X' MOIST RESIST G.B. | SW WALL: 5/8" TYPE 'X' GYPSUM BOARD | SW WALL: CEMENT PLASTER | SW WALL: 1/2" IMPERIAL BD TYPE 'X' W/ 2 COAT VENEER PLASTER | SW WALL: CERAMIC TILE TO +6'-0" OVER MORTER BED | SW WALL: CER. TILE +6'-0" OVER 5/8" TYPE 'X' MOIST RESIST G.B. | CEILING: 5/8" GYPSUM BOARD | CEILING: 5/8" TYPE 'X' GYPSUM BOARD | CEILING: 24" SUSPENDED T-BAR CEILING | CEILING: 5/8" TYPE 'X' GYPSUM BD. (T-LAYER EA. SIDE OF C.J.) | CEILING: CEMENT PLASTER | CEILING: 1/2" IMPERIAL BD TYPE 'X' W/ 2 COAT VENEER PLASTER | CAB.: LAM. PLASTIC COUNTERTOPS / SHELVING | CAB.: LAM. PLASTIC CABINET FACES | CAB.: STAINLESS STEEL COUNTER TOPS | MISC.: H.M. DOORS & FRAMES | MISC.: S.C. DOORS & H.M. FRAMES | MISC.: TOILET PARTITIONS (SOLID PLASTIC) | MISC.: CEILING ACCESS PANEL | MISC.: ROOF ACCESS LADDER | MISC.: ALUMINUM HANDRAILS | MISC.: STAGE CURTAIN | MISC.: H.M. WINDOW FRAMES | MISC.: RUBBER STAIR TREAD, SKIRT, NOSING | MISC.: EXPOSED DUCTWORK | MISC.: LOCKERS | NOTES | # |
|---|---|---



ADMINISTRATION / LIBRARY REFLECTED CEILING PLAN 'A'

1/8" = 1'-0"



ADMINISTRATION / LIBRARY FLOOR PLAN 'A'

1/8" = 1'-0"

KEY PLAN



GENERAL NOTES

1. FOR TYPICAL SUSPENDED CEILING NOTES SEE 9.5.06a & 9.5.06b.
2. TYPICAL @ T-BAR CEILING: PROVIDE STRUT TO ROOF STRUCTURE TO RESIST VERTICAL FORCE INDUCED BY WIRES PER 1988 UBC STD. 47.1812c. SEE 9.5.15.
3. PROVIDE HORIZONTAL WINDOW BLINDS AT ALL EXTERIOR WINDOWS OF THE ADMINISTRATION BUILDING; SEE SPECIFICATIONS - SECTIONS 12500.
4. SEE DETAILS 9.2.47 & 9.2.48 FOR ATTACHMENT OF METAL LATH OR PAPER BACKED WIRE FABRIC TO WOOD FRAMED HORIZONTAL SURFACES.
5. T-BAR SYSTEM SERIES NUMBERS:
   MAIN RUNNERS: CHICAGO METALLIC CO. - #1811 & 1819
   CROSS RUNNERS: CHICAGO METALLIC CO. - #1814 (OR 1804, 1824)
   SEE SPEC. SECTION 09510 FOR ADDITIONAL INFO.

ROOM NO.
REFER TO SHEET A.15 & A.16 FOR INTERIOR ELEVs.

CODES:
FIRE RESISTANCE DESIGN MANUAL, 11TH EDITION, MP - DESIGNATION
STEEL BEAMS: BM 1135
NATIONAL EVALUATION SERVICE COMMITTEE (NER):
TRUSSES: NER-200; ICBO-PFC-4354

WALL TYPES LEGEND

1. EXTERIOR WALL: 2x6 STUDS @ 16" o.c. w/ 5/8" TYPE 'X' GYP. BD. SIDE (RUN FULL HEIGHT) w/ CEM. PLASTER @ EXTERIOR. UNFINISHED WITHIN FURRED AREAS. (INTERIOR WALLS AT SOME LOCATIONS).
2. 1 HOUR SEPERATION WALL: 2x6 STUDS @ 16" o.c. w/ 5/8" TYPE 'X' GYP. BD. EACH SIDE. (2x4 STUDS AS NOTED). MP-3505
3. FURRED WALL: 2x STUDS @ 16" o.c. w/ 5/8" GYP. BD. @ INTERIOR, UNFINISHED OPPOSITE SIDE. 7/8" CEMENT PLASTER @ EXTERIOR, UNFINISHED @ INTERIOR.
4. PARTITION WALL: 2x4 STUDS @ 16" o.c. w/ 5/8" GYP. BD. EACH SIDE CEMENT PLASTER FINISH @ EXTERIOR, UNFINISHED WITHIN FURRED SPACES. (2x6 STUDS AS NOTED)
5. CONCRETE BLOCK WALL: CONCRETE BLOCK WALL

NOTE: SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS.

KEYNOTES:

.03	PROVIDED BY OWNER	00000
.05	LINE OF ROOF ABOVE	00000
.07	MECHANICAL SPACE	00000
.10	SAFE SPACE	00000
.27	MATERIAL SEPERATION (2")	00000
.30	UNDER COUNTER REFRIGERATOR SPACE	00000
2.35	PLANTING AREA	02480
2.51	CONCRETE WALK (4" THICK)	02514
2.59	CONCRETE MOW STRIP (18" WIDE)	02514
2.61	COLORED CONCRETE PAVEMENT w/ TOOLED SCORING	02514
3.11	SLOPE FLOOR TO DRAIN @ 1/8" PER FOOT	03310
4.05	SPLIT FACE CONCRETE BLOCK	04230
4.08	RAISED MASONRY PLANTER WALL w/ TOP CAP & CEMENT BASED WATER PROOFING	04230
5.00	STEEL TUBE COLUMN	05120
6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
6.05	WOOD POST	06100
6.06	WALL CABINET BELOW SOFFIT	06400
6.09	LAMINATE PLASTIC LOW WALL	06400
6.12	LAMINATE PLASTIC SHELF	06400
6.18	BASE CABINET	06400
6.19	LAMINATE PLASTIC TALL CABINET	06400
6.21	LAMINATE PLASTIC TALL CABINET w/ SLOPING TOP	06400
6.29	LAMINATE PLASTIC BASE & UPPER CABINET	06400
6.49	1 1/2" DIA. GROMETED HOLE THRU COUNTERTOP FOR COMPUTER CABLE (VERIFY FOR EXACT LOCATION)	06400
7.01	6" BATT @ R-19 BATT INSULATION	07200
7.31	ROOF ACCESS ALUMINUM LADDER (CEILING TO ROOF CURB ABOVE)	07700
8.13	RATED CEILING ACCESS PANEL 305 x 36" - PAINTED	08305
9.03	CEMENT PLASTER SOFFIT WITH SAND FLOAT FINISH	09200
9.04	PLASTER EXPANSION SCREED w/ CONT. BLOCKING (Reisterer #JS-15)	09200
9.05	PLASTER CRACK CONTROL SCREED (SUPERIOR #17) TYP. @ CORNERS ONLY	09200
9.10	CONTINUOUS VENT SCREED (SUPERIOR #115 - 3.5")	09250
9.19	5/8" GYPSUM BOARD DRYWALL	09250
9.20	5/8" GYPSUM BOARD DRYWALL w/ (1) LAYER 5/8" TYPE 'X' @ TOP SIDE ATTIC OF 2x CEILING JOISTS	09250
9.23	DRAFT STOPS	09250
9.29	MORTAR BED FLOOR TILE OVER DEPRESSED CONC. SLAB (SLOPE TO FLOOR DRAIN)	09300
9.41	2' X 4' SUSPENDED T-BAR CEILING WITH FLUSH LAY-IN PANEL	09510
9.43	2' X 2' SUSPENDED T-BAR CEILING WITH TEGULAR EDGE LAY-IN PANEL	09510
9.64	SHEET VINYL FLOORING	09650
9.90	CARPET FLOORING	09680
9.91	SEALED CONCRETE FLOOR	09900
10.01	TACK BOARD (4'-0" x 8'-0")	10100
10.05	PORCELAIN ENAMEL CHALKBOARD (4'x8') LINED (1/8" WIDE) @ 3" OC. START 8" FROM TOP AND BOTTOM.	10100
10.10	SOLID PLASTIC, FLOOR MOUNTED, OVERHEAD BRACED PARTITIONS	10160
10.35	SEMI RECESSED CABINET w/ FIRE EXTINGUISHER	10522
10.36	FOLDING PARTITION	10650
10.39	GRAB BAR 42" L. (Bobrick B-6206)	10800
10.41	GRAB BAR 36" L. (Bobrick B-6206)	10800
15.17	TOILET	15400
15.19	JANITOR SINK	15400
15.21	SINK	15400
15.23	LAVATORY	15400
15.25	WATER HEATER	15400
15.31	URINAL	15400
15.45	RETURN AIR GRILLE	15800
15.47	SUPPLY AIR GRILLE	15800
15.49	EXHAUST AIR GRILLE	15800
15.55	MECHANICAL GRILLE	15800
15.70	EMS CONTROL PANEL	15900
16.09	ELECTRICAL PANEL	16100
16.11	TELEPHONE BACKBOARD	16100
16.15	RECESSED FLUORESCENT FIXTURE	16100
16.18	FLUORESCENT FIXTURE	16100
16.19	RECESSED LIGHT FIXTURE	16100
16.29	SIGNAL TERMINAL CABINET	16100
16.31	P.A. EQUIPMENT RACK & CABINET	16100
16.81	FIRE ALARM PANEL	16721

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LICENSED ARCHITECT - NEIL KLASSEN - C10401 - RENEWAL 3-31-95 - STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL - BAKERSFIELD, CA.

Sheet title: ADMINISTRATION / LIBRARY FLOOR PLAN & REFLECTED CEILING PLAN - 'A'

Date: Issued for:

Date: Revisions:

Drawn by: done

Job no: 1223

Dgn. file: mma13.2d

Sheet: A.13

Sheet of: 30

Date: March 8, 1993

MAR - 8 1993

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION

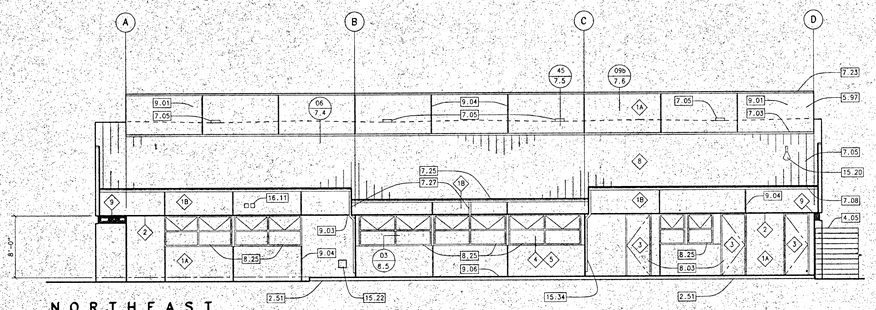
Reviewed by:

Department of General Services Office of the State Architect

PORTION 1 MAR 11 1993

Structural Safety Section A5715

By:



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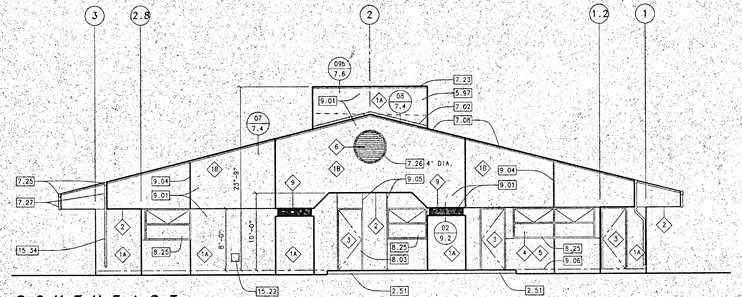

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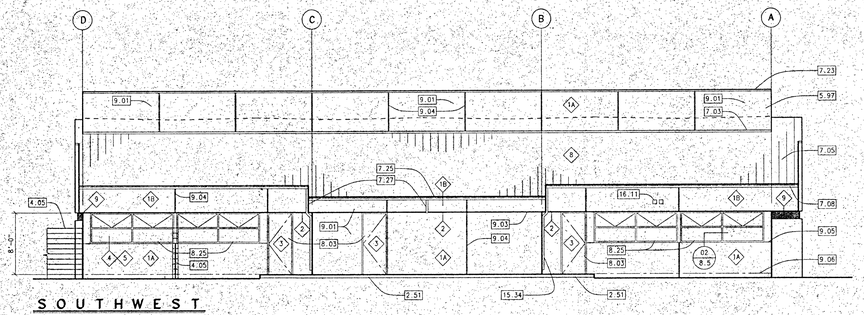

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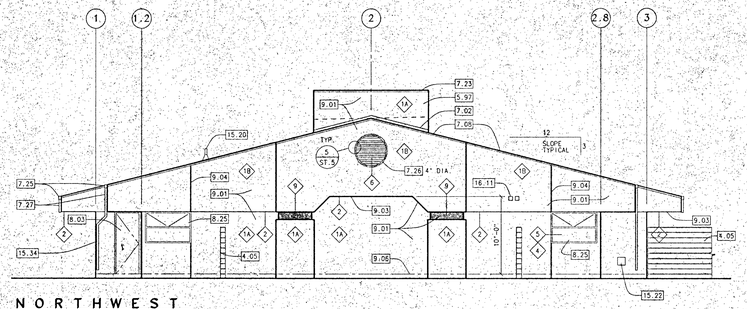
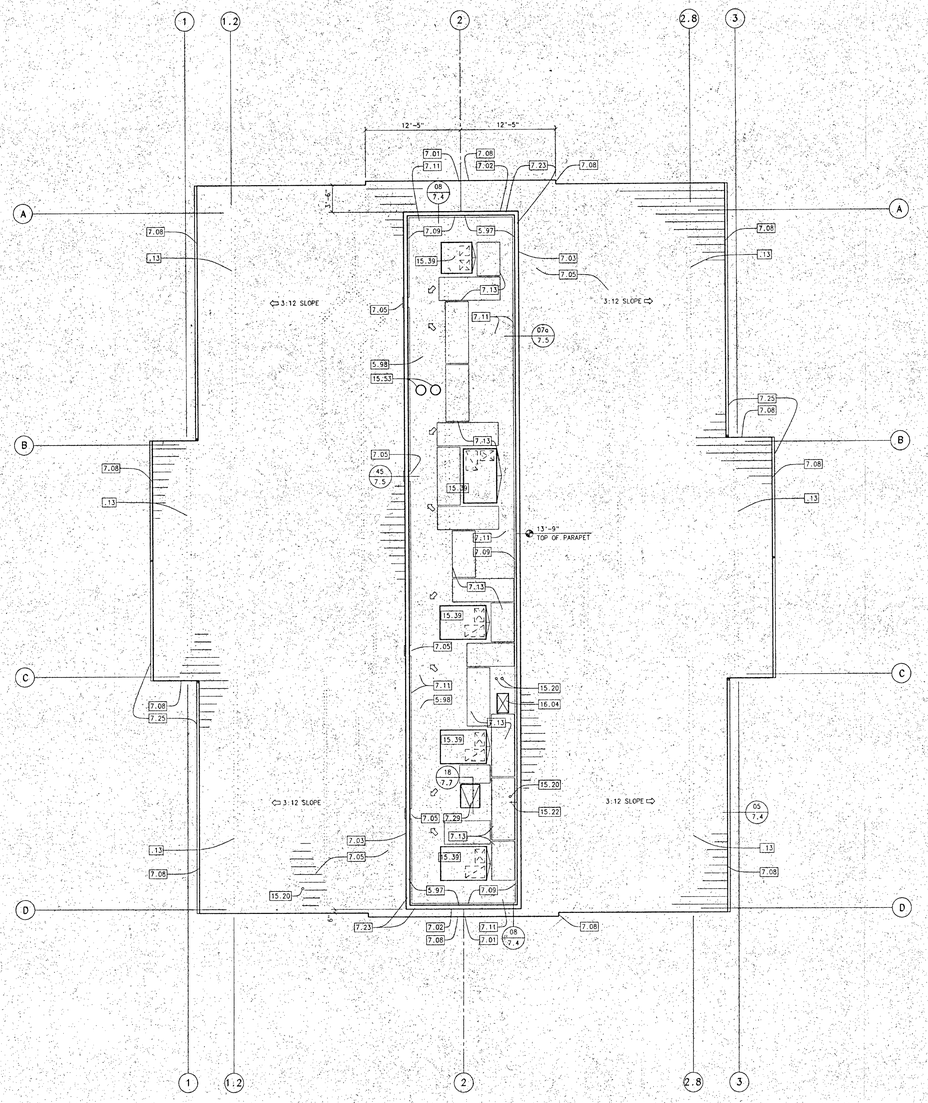


NORTHWEST

ADMINISTRATION ELEVATIONS 'A'

1/8" = 1'-0"



ADMINISTRATION / LIBRARY ROOF PLAN 'A'

1/8" = 1'-0"

KEYNOTES:

.13	LINE OF BUILDING BELOW	00000
2.51	CONCRETE WALK (4" THICK)	02514
4.05	SPLIT FACE CONCRETE BLOCK	04230
5.97	WOOD FRAME PARAPET	06100
5.98	WARPED PLYWOOD ROOF DECK	06100
7.01	PREFINISHED METAL ROOFING RIDGE TRIM	07410
7.02	PREFINISHED RAKEWALL FLASHING	07410
7.03	PREFINISHED METAL REGLET TO STUCCO PARAPET WALL	07410
7.04	PREFINISHED METAL SCUPPER THRU WALL	07410
7.05	PREFINISHED METAL ROOFING	07410
7.08	PREFINISHED FORMED METAL RAKE & EAVE TRIM	07410
7.09	CONTINUOUS 3" FIBER CANT STRIP	07510
7.11	BUILT-UP COMPOSITION ROOFING	07510
7.13	WALKWAY PROTECTION CAPSHEET	07510
7.23	24 GA. G.I. CAP FLASHING - PAINTED	07600
7.25	24 GA. G.I. GUTTER - PAINTED	07600
7.26	VENTILATION LOUVERS	07800
7.27	24 GA. G.I. DOWNSPOUT - PAINTED	07600
7.29	ROOF HATCH 30" x 36"	07700
8.03	HOLLOW METAL DOOR AND FRAME	08110
8.25	BRONZE ANODIZED ALUMINUM FRAMED WINDOW w/ PROJECTED TOP & FIXED BOTTOM SECTION, GLAZED w/ BRONZE TINT (NAIL IN)	08520
9.01	CEMENT PLASTER w/ SAND FLOAT FINISH	09200
9.03	CEMENT PLASTER SOFFIT w/ SAND FLOAT FINISH	09200
9.04	PLASTER EXPANSION SCREED w/ CONT. BLOCKING, (Western XJ-15)	09200
9.05	PLASTER CRACK CONTROL SCREED (Superior No. 17) TYPICAL @ DOOR & WINDOW CORNERS ONLY	09200
9.06	PLASTER WEEP SCREED	09200
15.20	PLUMBING VENT & ROOF JACK (PAINTED WHERE EXPOSED)	15400
15.22	HOSE BIB	15400
15.34	PAINTED DOWNSPOUT	15400
15.39	H.V.A.C. EQUIPMENT	15800
15.53	EXHAUST FAN ROOF CAP	15800
16.04	ROOF MOUNTED ELECTRICAL TRANSFORMER	16100
16.11	WALL MOUNTED SPEAKER & HORN	16100

⚠ EXTERIOR FINISH SCHEDULE

	LOCATION	MATERIAL	FINISH/MANUFACTURER
1	EXTERIOR WALLS	STUCCO	TA : "OMEGA" #26, BLUE GRAY, FROM GROUND TO UNDERSIDE OF SOFFIT, TB : "OMEGA" #26, BLUE GRAY, FROM TOP OF WAINSCOT TO 4'-0" A.F.F. BLDG. C). TC : "OMEGA" #26, SPANISH WHITE, FROM SOFFIT TO 4'-0" A.F.F. BLDG. C) (OVER 48"-0" A.F.F. BLDGS. A,B,D,E,F, +10'-0" A.F.F. BLDG. C)
2	SOFFITS/CANOPIES	STUCCO	"OMEGA" #26, SPANISH WHITE.
3	DOORS/FRAMES	METAL	"DUNN-EDWARDS" PAINT, ELIZABETHAN BLUE; #DE14-90.
4	WINDOWS	GLASS	SOLAR GRAY.
5	WINDOW FRAMES/ STOREFRONT SYSTEM	ALUMINUM	CLEAR ANODIZED.
6	VENTILATION LOUVERS	METAL	"RUSKIN FINISHES" DELFT BLUE.
7	WROUGHT IRON FENCE/GATES HANDRAILS/GUARDRAILS	STEEL	"DUNN-EDWARDS" PAINT, DEEP SEA, #DE13-200. (TO MATCH VENTILATION LOUVERS).
8	ROOFING	FIBERGLASS SHINGLES	"JOHNS-MANVILLE"; WOODLANDS #30, COUNTRY SLATE.
9	ACCENT BAND @ ENTRIES	STUCCO	"DUNN-EDWARDS" PAINT, DEEP SEA, #DE13-200.

EXTERIOR FINISH NOTES

1. DOOR NUMBERS SHALL BE PAINTED WITH "DUNN-EDWARDS" ELIZABETHAN BLUE, #DE14-90, ON A PAINTED SQUARE BACKGROUND OF "DUNN-EDWARDS" WHISPER GRAY, #DE-56P.
2. WALL AND SOFFIT-MOUNTED MECHANICAL GRILLES AND ELECTRICAL PANELS SHALL BE PAINTED TO MATCH THE ADJACENT WALL OR SOFFIT SURFACE.

KEY PLAN

KLASSEN CORPORATION

Architecture
Planning
Construction

2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

LICENSED ARCHITECT — NEIL KLASSEN — C10401 — RENEWAL 1-31-95 — STATE OF CALIFORNIA

The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect, and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawing or specifications shall constitute conclusive evidence of acceptance of these restrictions.

Written dimensions on these drawings shall have precedence over scaled dimension. contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title:
ADMINISTRATION / LIBRARY ROOF PLAN & EXTERIOR ELEVATIONS - 'A'

Date: Issued for:

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Job no: 1223

Dgn. file: mma14.2d

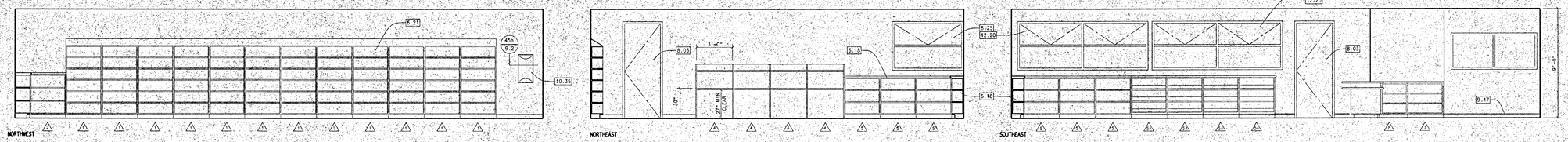
Sheet:
A.14
Sheet of: 30

Date: March 8, 1993

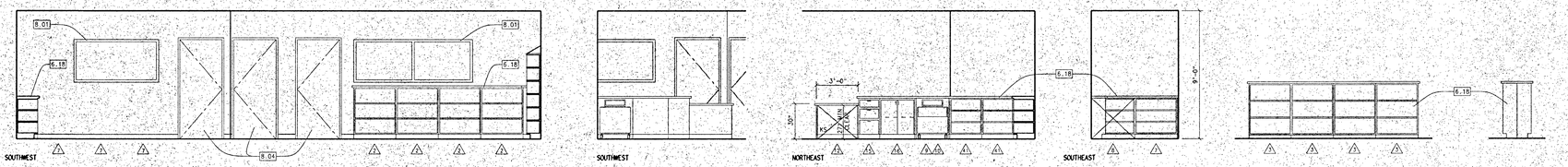
RECEIVED FEB 09 1993

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION

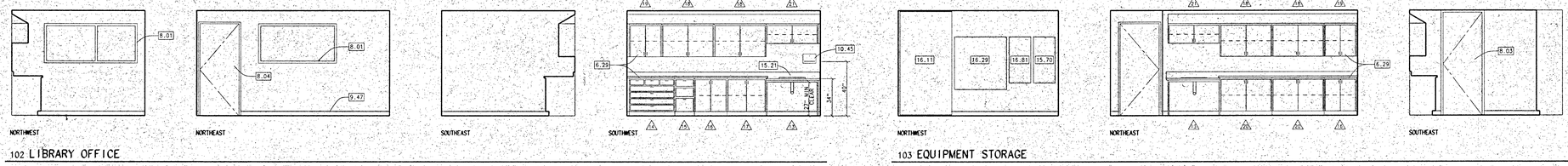
IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
MAR 11 1993
Structural Safety Section
APPLICATION NO. A 59115
Reviewed By: _____



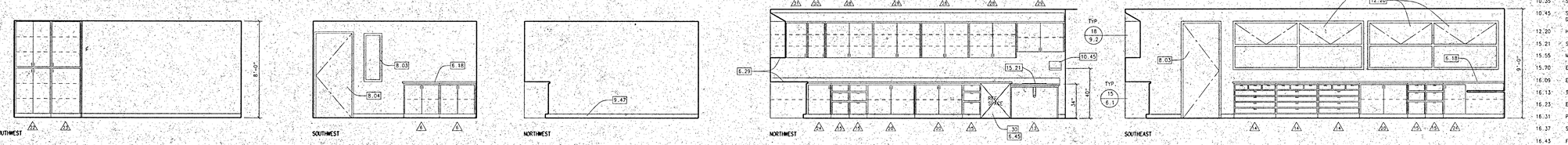
101 LIBRARY



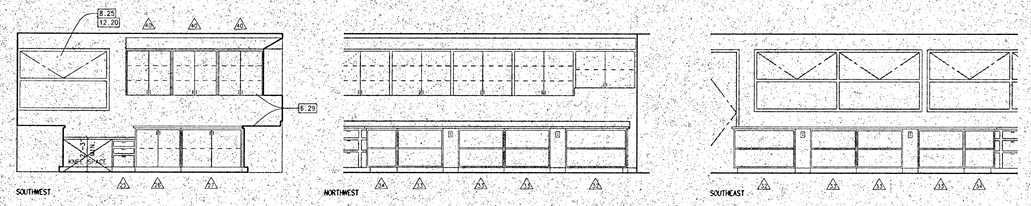
101 LIBRARY CHECK-OUT TYP. FREESTANDING LIBRARY SHELVES



102 LIBRARY OFFICE 103 EQUIPMENT STORAGE



103 EQUIPMENT STORAGE 104 CONFERENCE ROOM 105 TEACHER WORKROOM



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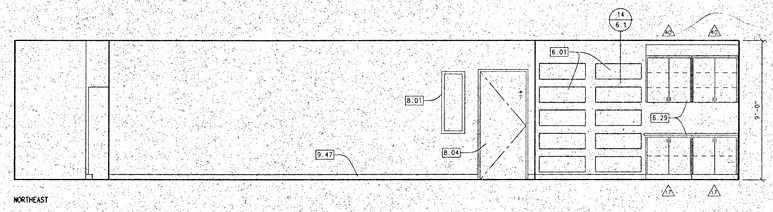
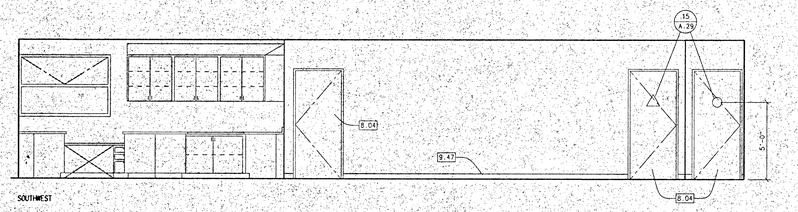
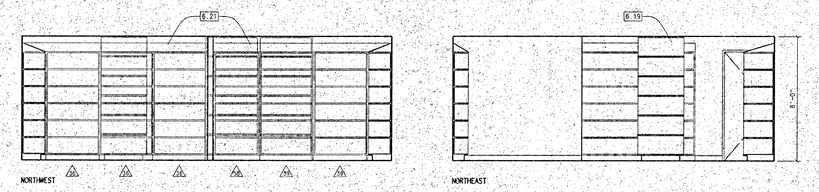


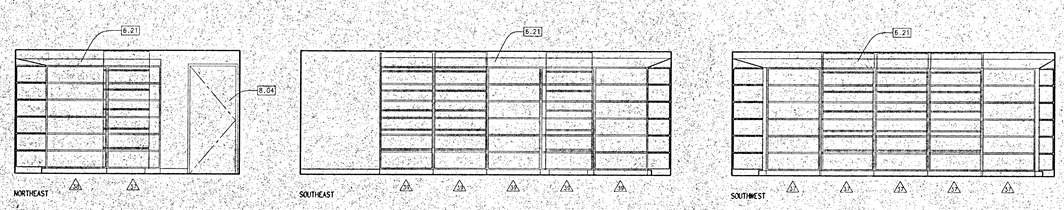
106 CORRIDOR 105 TEACHER WORKROOM



105 TEACHER WORKROOM 106 CORRIDOR



107 BOOK/SUPPLY STORAGE



107 BOOK/SUPPLY STORAGE CENTER ISLAND CENTER ISLAND

KEY PLAN

'A' 'B' 'C' 'D' 'E' 'F'

KEYNOTES:

.01	NOT IN CONTRACT	00000
.03	PROVIDED BY OWNER	00000
.30	REFRIGERATOR	00000
6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
6.18	LAM. PLASTIC BASE CABINET	06400
6.19	LAM. PLASTIC TALL STORAGE CABINET	06400
6.21	LAM. PLASTIC TALL STORAGE CABINET w/ SLOPING TOP	06400
6.29	LAM. PLASTIC BASE & UPPER CABINET w/ SLOPING TOP	06400
6.45	OPENING FOR UNDERCOUNTER REFRIGERATOR (VERIFY ROUGH OPENING)	06400
6.49	1-1/2" DIA. GROMMETED HOLE THRU COUNTERTOP FOR COMPUTER CABLE (VERIFY EXACT LOCATION)	06400
8.01	HOLLOW METAL FRAME	08110
8.03	HOLLOW METAL DOOR AND FRAME	08110
8.04	SOLID MASONITE DOOR w/ H.M. FRAME	08110
8.17	STAINLESS STEEL ACCESS DOOR 12" x 12"	08305
8.19	HOLLOW METAL ACCESS DOOR	08305
8.25	BRONZE ANODIZED ALUMINUM FRAMED WINDOW W/ PROJECTED TOP & FIXED BOTTOM SECTION. GLAZED w/ BRONZE TINT. (NAIL IN)	08520
9.17	5/8" GYPSUM BOARD DRYWALL	09250
8.35	MIRROR	08800
8.34	WIRE GLASS	08800
9.47	RUBBER TOPSET BASE (4" HIGH)	09650
9.57	VINYL WALLCOVERING	09950
9.59	PAINT	09900
10.01	TACKBOARD (4'x8')	10100
10.03	TACK WALL (1/2" THICK W/VINYL COVERING) OVER 1/2" GYPSUM BOARD	10100
10.07	LIQUID CHALKBOARD (4' x 8')	10100
10.14	WALL MOUNTED SIGN (FRAMED)	10425
10.35	SEMI-RECESSED CABINET W/FIRE EXT.	10522
10.45	SURFACE MOUNTED PAPER TOWEL DISPENSER (Bobrick B-263)	10800
12.20	HORIZONTAL MINI BLINDS	12500
15.21	SINK	15400
15.55	MECHANICAL GRILLE	15800
15.70	EMS CONTROL PANEL	15900
16.09	ELECTRICAL PANEL	16100
16.13	TELEPHONE PANEL BOARD	16100
16.23	EXIT LIGHT FIXTURE	16100
16.31	P.A. EQUIPMENT RACK & CABINET	16100
16.37	SURFACE RACEWAY (WIRE MOLD)	16100
16.43	FIRE ALARM HORN	16721
16.45	FIRE ALARM, VISUAL STROBE LIGHT	16721
16.47	FIRE ALARM AUDIO/VISUAL STROBE LIGHT	16721

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LICENSED ARCHITECT L. WIN KLASSEN C10401 REN 11-31-95 STATE OF CALIFORNIA

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BAKERSFIELD, CA.

Sheet title: ADMINISTRATION / LIBRARY INTERIOR ELEVATIONS - 'A'

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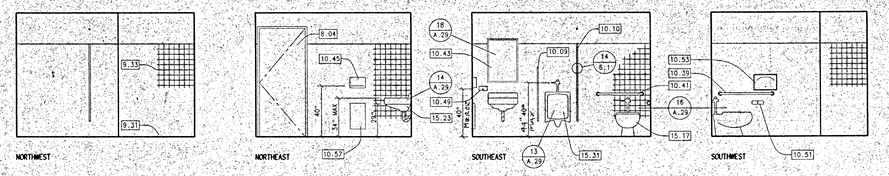
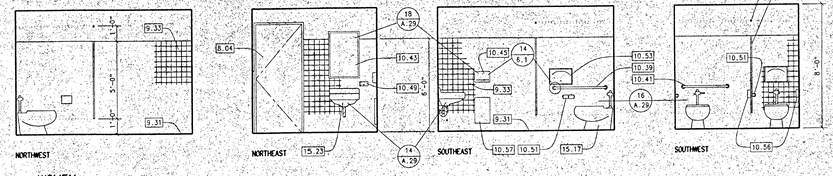
Sheet of: 30
Date: March 8, 1993

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
MAR 8 1993

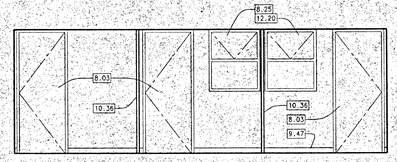
Determined to be in compliance
Office of the State Architect
POSITION 1
DATE 1993
Structural Safety Section
File No. 25912
By



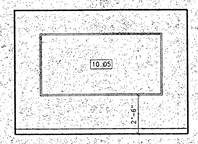
108 MEN



110 WOMEN



111, 112, 113 ITINERANT SERVICES



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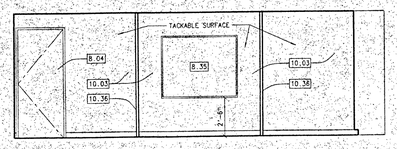
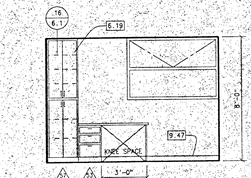


113, 112, 111 ITINERANT SERVICES



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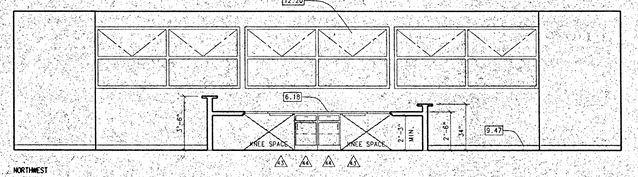
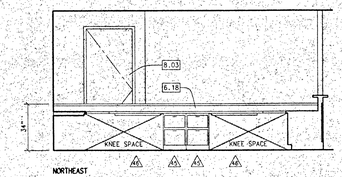
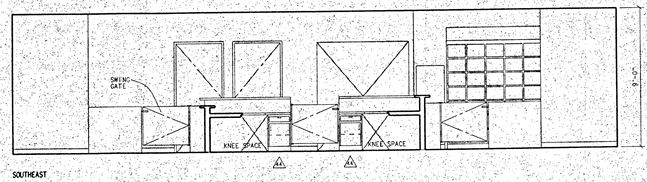


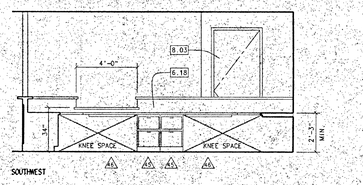
114 PUBLIC RECEPTION 115 CLERICAL OFFICE 121 STUDENT RECEPTION



115 CLERICAL OFFICE



121 STUDENT RECEPTION 115 CLERICAL OFFICE 114 PUBLIC RECEPTION



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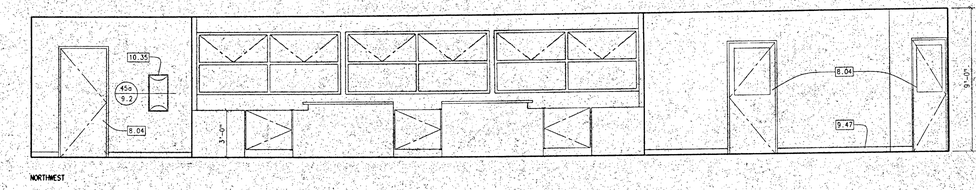
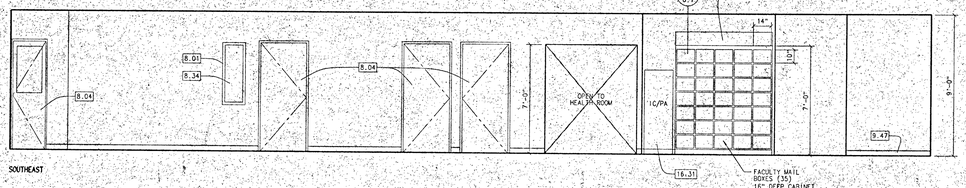


116 CORRIDOR



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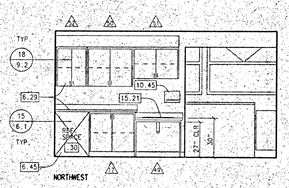
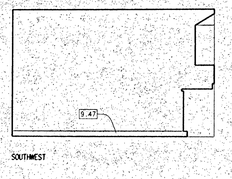
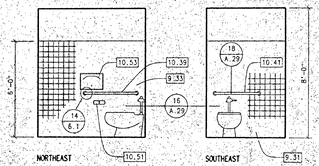
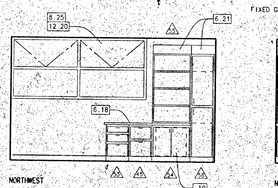


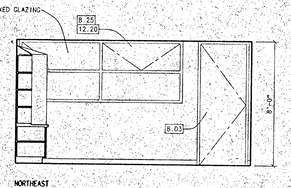
117 HEALTH ROOM





118 TOILET





124 PRINCIPAL OFFICE

KEYNOTES:

.01	NOT IN CONTRACT	00000
.03	PROVIDED BY OWNER	00000
.10	SAFE SPACE	00000
.30	REFRIGERATOR	00000
5.03	STEEL COUNTER SUPPORT BRACES	05500
6.18	LAMINATE PLASTIC BASE CABINET	06400
6.19	LAM. PLASTIC TALL STORAGE CABINET	06400
6.21	LAM. PLASTIC TALL STORAGE CABINET W/ SLOPING TOP	06400
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6.45	OPENING FOR UNDERCOUNTER REFRIGERATOR (VERIFY ROUGH OPENING)	06400
6.49	1-1/2" DIA. GROMMETED HOLE THRU COUNTERTOP FOR COMPUTER CABLE (VERIFY EXACT LOCATION)	06400
8.01	HOLLOW METAL FRAME	08110
8.03	HOLLOW METAL DOOR AND FRAME	08110
8.04	SOLID MASONITE DOOR w/ H.M. FRAME	08110
8.17	STAINLESS STEEL ACCESS DOOR 12" X 12"	08305
8.19	HOLLOW METAL ACCESS DOOR	08305
8.25	BRONZE ANODIZED ALUMINUM FRAMED WINDOW W/ PROJECTED TOP & FIXED BOTTOM SECTION, GLAZED w/ BRONZE TINT (NATL IN)	08520
9.17	5/8" GYPSUM BOARD DRYWALL	09250
9.21	WATER RESISTANT BOARD TO 4'-0" HIGH	09250
8.33	TEMPERED GLASS	08800
8.35	MIRROR	08800
8.34	WIRE GLASS	08800
9.31	COVED CERAMIC TILE BASE	09300
9.33	THIN-SET CERAMIC WALL TILE OVER W/R GYPSUM BOARD	09300
9.37	CERAMIC TILE ACCENT COLOR	09300
9.39	CERAMIC TILE ACCENT STRIPE	09300
9.47	RUBBER TOPSET BASE (4" HIGH)	09650
9.57	VINYL WALLCOVERING	09950
9.59	PAINT	09900
10.01	TACKBOARD (4'x8')	10100
10.03	TACK WALL (1/2" THICK W/VINYL COVERING) OVER 1/2" GYPSUM BOARD	10100
10.05	PORCELAIN ENAMEL CHALKBOARD (4'x 8') (NO LINES)	10100
10.09	SOLID PLASTIC, WALL-HUNG SCREEN	10160
10.10	SOLID PLASTIC, FLOOR MOUNTED OVERHEAD BRACED PARTITIONS	10160
10.14	WALL MOUNTED SIGN (FRAMED)	10425
10.35	SEMI-RECESSED CABINET w/FIRE EXT.	10522
10.36	FOLDING PARTITION	10650
10.39	GRAB BAR 42" L. (Bobrick B-6206)	10800
10.41	GRAB BAR 36" L. (Bobrick B-6206)	10800
10.43	1/4" PLATE GLASS MIRROR IN STAIN. STEEL FRAME (Bobrick B-290 Series)	10800
10.45	SURFACE MOUNTED PAPER TOWEL DISPENSER (Bobrick B-263)	10800
10.49	SURFACE MOUNTED LIQUID SOAP DISPENSER (Bobrick B-112)	10800
10.51	SURFACE MOUNTED TOILET PAPER DISPENSER (Bobrick B-272)	10800
10.53	SURFACE MOUNTED TOILET SEAT COVER DISPENSER (Bobrick - B 221)	10800
10.56	SURFACE MOUNTED FEMININE NAPKIN DISPOSAL (Bobrick B-270)	10800
10.57	SURFACE-MOUNTED WASTE PAPER DISPOSAL (Bobrick B-279)	10800
12.20	HORIZONTAL MINI BLINDS	12500
15.17	TOILET	15400
15.21	SINK	15400
15.23	LAVATORY	15400
15.31	URINAL	15400
15.55	MECHANICAL GRILLE	15800
16.09	ELECTRICAL PANEL	16100
16.43	FIRE ALARM HORN	16721
16.45	FIRE ALARM, VISUAL STROBE LIGHT	16721
16.47	FIRE ALARM AUDIO/VISUAL STROBE LIGHT	16721
16.81	FIRE ALARM PANEL	16721

CABINET SCHEDULE

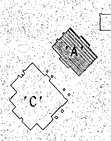
EQUIPMENT NO.	W.I.C. NO.	CABINET SIZE L – H – D	DESCRIPTION
1	602	36" x 72" x 12"	LIBRARY SHELVING – ADJUSTABLE SHELVES
2	600	36" x 45" x 15"	LIBRARY SHELVING – 45" MODIFIED HEIGHT LAMINATED PLASTIC TOP & ADJUSTABLE SHELVES
3	620	36" x 48" x 12"	LIBRARY SHELVING – LAMINATED PLASTIC TOP & ADJUSTABLE SHELVES
4	762	149" x 54" x 30"	STUDY CARRELS – COUNTER (+30") & UPPER SHELVES
5	600	36" x 42" x 12"	LIBRARY SHELVING – LAMINATED PLASTIC TOP & ADJUSTABLE SHELVES
5A	600	36" x 42" x 12"	LIBRARY SHELVING – SLOPING MAGAZINE DISPLAY ADJUSTABLE SHELVES
6	102	36" x 36" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF
7	600	36" x 36" x 18"	LIBRARY SHELVING – 36" MODIFIED HEIGHT LAMINATED PLASTIC TOP & ADJUSTABLE SHELVES
8	176	36" x 36" x 18"	OPEN CORNER UNIT – (2) ADJUSTABLE SHELVES
9	641	30" x 36" x 30"	BOOK RETURN – 36" W. LAMINATED PLASTIC TOP
10	651	TO FIT #641	BOOK CART – SLOPED PORTION AT BOOK RETURN TO BE ADDED
11	222	48" x 36" x 30"	BASE CABINET – 36" W. LAMINATED PLASTIC TOP – (1) ADJUSTABLE SHELF
12	160	36" x 30" x 36"	LAMINATED PLASTIC COUNTER & FINISH
13	156	48" x 34" x 24"	SINK BASE UNIT
14	250	42" x 36" x 27"	(5) EQUAL DRAWERS – CLEAR INSIDE DRAWER DIMENSIONS 37" W x 25" D. DRAWER TO HAVE SIDES & BACK – DIVIDE TOP DRAWER (3) EQUAL DRAWERS
15	230	18" x 36" x 24"	BASE CABINET – (3) DRAWERS
16	102	30" x 36" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF
17	102	36" x 36" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF
18	302	48" x 30" x 15"	UPPER CABINET – SLOPING TOP – (1) ADJUSTABLE SHELF
19	302	30" x 30" x 15"	UPPER CABINET – SLOPING TOP – (1) ADJUSTABLE SHELF
20	102	48" x 36" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF
21	302	48" x 18" x 15"	UPPER CABINET – (1) ADJUSTABLE SHELF
22	402	36" x 96" x 24"	TALL CABINET – (5) ADJUSTABLE SHELVES – MODIFIED FOR (2) DOORS 4' H.
23	401	30" x 96" x 24"	TALL CABINET – (5) ADJUSTABLE SHELVES – MODIFIED FOR (2) DOORS 4' H.
24	176	60" x 36" x 24"	CORNER UNIT – (1) ADJUSTABLE SHELF
25	230	18" x 27" x 24"	BASE UNIT – (3) DRAWERS – EXTEND SIDE TO FILL GAP
26	102	36" x 36" x 24"	BASE UNIT – (2) ADJUSTABLE SHELVES
27	102	48" x 36" x 24"	BASE UNIT – (2) ADJUSTABLE SHELVES
28	302	48" x 36" x 15"	UPPER CABINET – SLOPING TOP – (2) ADJUSTABLE SHELVES
29	302	48" x 30" x 15"	UPPER CABINET – SLOPING TOP – (1) ADJUSTABLE SHELF
30	302	18" x 36" x 15"	UPPER UNIT – SLOPING TOP – (2) ADJUSTABLE SHELVES
31	309	36" x 36" x 15"	UPPER CORNER UNIT – SLOPING TOP – (2) ADJUSTABLE SHELVES
32	100	48" x 36" x 24"	OPEN BASE CABINET – (1) ADJUSTABLE SHELF
33	100	36" x 36" x 24"	OPEN BASE CABINET – (1) ADJUSTABLE SHELF
34	100	24" x 36" x 24"	OPEN BASE CABINET – (1) ADJUSTABLE SHELF
35	400	42" x 96" x 36"	TALL CABINET – (5) ADJUSTABLE SHELVES
36	400	42" x 84" x 12"	TALL CABINET – (5) ADJUSTABLE SHELVES
37	400	42" V 84" x 18"	TALL CABINET – (5) ADJUSTABLE SHELVES
38	400	48" x 84" x 18"	TALL CABINET – (5) ADJUSTABLE SHELVES
39	400	42" x 84" x 24"	TALL CABINET – (5) ADJUSTABLE SHELVES
40	302	36" x 36" x 15"	UPPER CABINET – SLOPING TOP – (2) ADJUSTABLE SHELVES
41	600	27" x 36" x 12"	LIBRARY SHELVING – 36" MODIFIED HEIGHT LAMINATED PLASTIC TOP & ADJUSTABLE SHELVES
42	673	30" x 30" –	GATE & LAMINATE PLASTIC FINISH WALLS
43	290	18" x 1" x 24"	PENCIL DRAWER – (1) 1" D. CLEAR INSIDE
44	211	18" x 30" x 24"	BASE CABINET – (1) DRAWER & (1) ADJUSTABLE SHELF – DOOR w/ LOCK
45	223	18" x 30" x 24"	BASE CABINET – (2) LETTER SIZE FILE DRAWERS
46	290	36" x 1" x 24"	PENCIL DRAWER – (2) 1" D. CLEAR INSIDE
47	102	48" x 30" x 24"	BASE UNIT – (2) ADJUSTABLE SHELVES
48	102	36" x 30" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF
49	102	30" x 30" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF
50	156	36" x 30" x 24"	SINK BASE UNIT
51	302	36" x 30" x 15"	UPPER CABINET – (1) ADJUSTABLE SHELF
52	302	36" x 24" x 15"	UPPER CABINET – (1) ADJUSTABLE SHELF
53	302	24" x 30" x 15"	UPPER CABINET – (1) ADJUSTABLE SHELF
54	102	18" x 30" x 24"	BASE CABINET – (3) DRAWERS
55	102	30" x 30" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF
55	400	30" x 54" x 12"	TALL CABINET – MODIFIED w/ OUT BASE TO SO REST ON BASE CABINET – (4) ADJUSTABLE SHELVES
56	601	18" x 84" x 24"	TEACHER WARDROBE – 2 LOCKABLE DOORS, MIRROR, COAT HOOK, POLE, & SHELF
57	401	24" x 96" x 24"	TALL CABINET – MODIFIED FOR (2) 4'-H. LOCKABLE DOORS – (5) ADJUSTABLE SHELVES
58	400	36" x 84" x 24"	TALL CABINET – (5) ADJUSTABLE SHELVES
59			

CABINET ANCHORAGE

VERTICAL LOAD REQUIREMENT REF.: TABLE NO. 23-B
LATERL FORCE REQUIREMENT REF.: TABLE NO. 23-C

PROVIDE BRACING AND ANCHORAGE DETAILS FOR WALL HUNG CABINETS AND FLOOR-SUPPORTED STORAGE RACKS, CABINETS AND BOOK STACKS OVER FIVE FEET IN HEIGHT. DESIGN SUPPORTING PARTITIONS AND WALLS TO RESIST FORCES APPLIED BY CABINET ANCHORAGES.

KEY PLAN



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Written dimensions on these drawings shall have precedence over scaled dimension. contractors shall verify and be responsible for all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

Sheet title: INTERIOR / LIBRARY: INTERIOR ADMINISTRATION / CABINET SCHEDULES ELEVATIONS & CABINET SCHEDULES

Date: Issued for:

Date: Revisions:

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Job no: 1223
Dgn. file: mmg16.2d

Sheet: A.16
Sheet 16 of 30

Date: March 8, 1993

MAR 8 1993

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
PLANS

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Structural Safety Section

ADMINISTRATION ROOM FINISH SCHEDULE 'A'

#	ROOM NAME	FLOOR	BASE	NW WALL	NE WALL	SE WALL	SW WALL	CEILING	CAB.	MISC.	NOTES	#
101	LIBRARY	F1 F4	B3	W1 W1 *	W1	W1	W1 W1 *	C2	M5 M1	W12	* TYPE 'X' ADJ. TO RM'S 103 & 104	101
102	LIBRARY OFFICE	F4	B3	W1 W1 *	W1	W1	W1 W1 *	C2	M5 M1	W12	* TYPE 'X' ADJ. TO RM'S 103 & 104	102
103	EQUIP. STORAGE	F4	B3	W1	W1	W1	W1	C3	M5 M1	W12		103
104	CONFERENCE ROOM	F1	B3	W1	W1	W1	W1	C2	M5 M1	W12		104
105	TEACHER WORK ROOM	F5	B2	W1	W1	W1	W1	C2	M5 M1	W12 W14		105
106	CORRIDOR	F3	B2	W1 W1 *	W1	W1	W1 W1	C2	M5 M1	W11		106
107	BOOK SUPPLY STORAGE	F5	B2	W1	W1	W1	W1 *	C3	M5 M1	W12 C5	* TYPE 'X' ADJ. TO RM'S 104 & 107	107
108	MEN	F8	W1	W8 W1	W8 W1	W8 W1	W8 W1 *	C3		W13 S6	* TYPE 'X' ADJ. TO RM'S 107	108
109	COT	F3	B2	W10	W10	W10	W10	C4		W13		109
110	WOMEN	F8	W2	W10 W2	W10 W2	W10 W2	W10 W2	C4		W13		110
111	ITINERANT SERVICES	F4	B2	W15	W15	W15	W15	C2	M5 M1	W12 S4		111
112	ITINERANT SERVICES	F4	B2	W15	W15	W15	W14	C2	M5 M1	W12 S4		112
113	ITINERANT SERVICES	F4	B2	W15	W15	W15	W14	C2	M5 M1	W12 S4		113
114	PUBLIC RECEPTION	F5	B2	W13	W13	W13	W14	C1	M5 M1	W11		114
115	CLERICAL OFFICE	F3	B2	W13	W13	W13		C1	M5 M1	W11		115
116	CORRIDOR	F8	B2	W13	W13 W13 *	W13 W13 *	W13	C1	M5 M1	W11	* TYPE 'X' ADJ. TO RM'S 119 & 120	116
117	HEALTH ROOM	F5	B2	W13	W14	W13	W13	C2	M5 M1	W13		117
118	TOILET	F8	W2	W9 W2	W9 W2	W9 W2	W9	C6		W13		118
119	JANITOR	F10	B2	W11	W11	W11	W11	C5	M5	W14 C5 C6		119
120	RECORDS	F3	B2	W8	W8	W8	W8	C3	M5	W13		120
121	STUDENT RECEPTION	F3	B2	W14	W14	W14		C1	M5 M1	W11		121
122	CONFERENCE ROOM	F3	B2	W8	W8	W8	W8	C2	M5 M1	W11		122
123	OFFICE	F3	B2	W8	W8	W8	W8	C2	M5 M1	W11		123
124	PRINCIPAL OFFICE	F3	B2	W13	W13	W13	W13	C2	M5 M1	W11		124
125	VICE PRINCIPAL OFFICE	F3	B2	W8	W8	W8	W8	C2	M5 M1	W11		125

CLASSROOM FINISH SCHEDULE 'D', 'E', & 'F'

	#	ROOM NAME	FLOOR	BASE	N. WALL	E. WALL	S. WALL	W. WALL	CEILING	CAB.	MISC.	NOTES	#
KINDERGARTEN BUILDING 'D'	101	PLAY EQUIP. STORAGE	F10	B4	W11	W11	W11	W11	C5		W14		101
	102	KINDERGARTEN CLASSROOM	F2 F5	B2	W3	W3	W3	W3	C3	M5 M1	W14 S2	* GYP. BD. CEILING ADJ. TO ROOM 109	102
	103	RESTROOM	F8	W1	W1	W1	W1	W1	C3		W14		103
	104	TOILET	F8	W1	W1	W1	W1	W1	C3		W14		104
	105	TOILET	F8	W1	W1	W1	W1	W1	C3		W14		105
	106	TOILET	F8	W1	W1	W1	W1	W1	C3		W14		106
	107	TOILET	F8	W1	W1	W1	W1	W1	C3		W14		107
	108	KINDERGARTEN CLASSROOM	F2 F5		W3	W3 W5		W8	C2	M5 M1	W14 S2	* GYP. BD. CEILING ADJ. TO ROOM 109	108
	109	TEACHER WORKROOM	F2 F5	B2	W8	W5	W5	W8	C3	M5 M1	W13 C3		109
	110	PRIMARY CLASSROOM	F2 F5	B2	W8	W3	W3	W8	C2	M5 M1	W14 S2		110
INTERMEDIATE BUILDING 'E'	101	INTERMEDIATE CLASSROOM	F2 F5	B2	W8	W8	W3	W3	C2	M5 M1	W14 S2	* TYPE 'X' ADJ. TO ROOM 109	101
	102	INTERMEDIATE CLASSROOM	F2 F5	B2	W8	W3	W3	W8	C2	M5 M1	W14 S2		102
	103	INTERMEDIATE CLASSROOM	F2 F5	B2	W8	W3	W3	W8	C2	M5 M1	W14 S2		103
	104	TEACHER WORKROOM	F5	B2	W8	W5	W5	W8	C2	M5 M1	W14		104
	105	INTERMEDIATE CLASSROOM	F2 F5	B2	W3	W3 W5	W3	W8	C2	M5 M1	W14 S2		105
	106	INTERMEDIATE CLASSROOM	F2 F5	B2	W3	W8	W5	W3	C2	M5 M1	W14 S2		106
	107	INTERMEDIATE CLASSROOM	F2 F5	B2	W3	W8	W5	W3	C2	M5 M1	W14 S2	* TYPE 'X' ADJ. TO ROOM 109	107
	108	GIRLS	F8	W2	W10 W2	W10 W2	W10 W2	W10 W2	C4		W14 S7		108
	109	JANITOR MECH.	F10	B4	W11	W11	W11	W11	C5	M5	W14 C5 C6		109
	110	BOYS	F8	W1	W5 W1	W5 W1	W5 W1	W5 W1	C1		W14 S6		110
INTERMEDIATE/PRIMARY BUILDING 'F'	101	INTERMEDIATE CLASSROOM	F2 F5	B2	W8	W8	W3	W3	C2	M5 M1	W14 S2	* TYPE 'X' ADJ. TO ROOM 109	101
	102	INTERMEDIATE CLASSROOM	F2 F5	B2	W8	W3	W3	W8	C2	M5 M1	W14 S2		102
	103	INTERMEDIATE CLASSROOM	F2 F5	B2	W8	W3	W3	W8	C2	M5 M1	W14 S2		103
	104	TEACHER WORKROOM	F5	B2	W8	W5	W5	W8	C2	M5 M1	W14		104
	105	PRIMARY CLASSROOM	F2 F5	B2	W3	W3 W5	W3	W8	C2	M5 M1	W14 S2		105
	106	PRIMARY CLASSROOM	F2 F5	B2	W3	W8	W5	W3	C2	M5 M1	W14 S2		106
	107	PRIMARY CLASSROOM	F2 F5	B2	W3	W8	W5	W3	C2	M5 M1	W14 S2	* TYPE 'X' ADJ. TO ROOM 109	107
	108	GIRLS	F8	W2	W10 W2	W10 W2	W10 W2	W10 W2	C4		W14 S7		108
	109	JANITOR MECH.	F10	B4	W11	W11	W11	W11	C5	M5	W14 C5 C6		109
	110	BOYS	F8	W1	W5 W1	W5 W1	W5 W1	W5 W1	C1		W14 S6		110

FINISH TYPES :

FLOORING :

- F1 : CARPET : MOHAWK "EDIFICE II" #818 : CORDOVA
- F2 : CARPET : MOHAWK "EDIFICE II" #807 : BARCELONA
- F3 : CARPET : MOHAWK "EDIFICE II" #712 : IONIC GREY
- F4 : SHEET VINYL : ARMSTRONG "SEAGATE" #66524 MAUVE
- F5 : SHEET VINYL : ARMSTRONG "SEAGATE" #66512 SMOKE
- F6 : SOLID SHEET VINYL : TARKETT "EXPRESSIONS OPTIMA" #5859, WELDED SEAMS
- F7 : VINYL COMPOSITION TILE : ARMSTRONG "EXCELON", #51916 DUTCH DELFT, 1'-0" x 1'-0".
- F8 : CERAMIC FLOOR TILE : DAL-TILE FOR-106, MOTTLED DARK GRAY (1) (2"x2") WITH HYDROMENT GROUT #76635, DELOREAN GRAY.
- F9 : RUBBER STAIR TREAD : BURKE V.I. TREAD, ARIA #7672 - FLAVIO WITH 2" SAFETY STRIP.
- F10 : CONCRETE : CONCRETE FLOOR SEALER

BASE :

- B1 : RUBBER TOPSET BASE : BURKE #664P, MIST, 4"
- B2 : RUBBER TOPSET BASE : BURKE #663P, STERLING, 4"
- B3 : RUBBER TOPSET BASE : BURKE #430P, TAUPE, 4"
- B4 : RUBBER TOPSET BASE : BURKE #672P, GRAY-BLUE, 4"

WALL COVERING :

- W1 : CERAMIC WALL TILE : DAL-TILE #0-714, STEEL (4 1/4"x4 1/4") WITH ACCENT STRIPE : DAL-TILE #0-69, DENIM (4 1/4" x4 1/4") WITH HYDROMENT GROUT #361, MISTY GRAY (See Interior Elevs. for Accent Stripe Height)
- W2 : CERAMIC WALL TILE : DAL-TILE #0-100, DAL-WHITE (4 1/4"x4 1/4") WITH ACCENT STRIPE : DAL-TILE #0-1497, PLUM (4 1/4"x4 1/4") W/ HYDROMENT-GROUT #813/311, WHITE. (See Int. Elevs. for Accent Stripe Ht.)
- W3 : VINYL TACKWALL PANELS : TRI-BOARD, VINYLWEAVE - SILVER FOX
- W4 : VINYL TACKWALL PANELS : TRI-BOARD, VINYLWEAVE - MAUVE MIST
- W5 : VINYL WALLCOVERING : DUNN-EDWARDS CHROMA 200, CANFIELD TYPE II, #1-1405, PORCELAIN
- W6 : PROTECTIVE COATING : SANITILE #6814, GOSSAMER WHITE
- W7 : PROTECTIVE COATING : SANITILE #7194, LARKSPUR BLUE.
- W8 : PAINT : DUNN-EDWARDS #014-46P, GOSSAMER BLUE
- W9 : PAINT : DUNN-EDWARDS #02-36P, CLOUD PINK
- W10 : PAINT : DUNN-EDWARDS #01-31P, KIRKWOOD
- W11 : PAINT : DUNN-EDWARDS #014-56P, DOVER GRAY.
- W12 : PAINT : DUNN-EDWARDS #02-6T, COGNAC
- W13 : PAINT : DUNN-EDWARDS #015-16P, SNOWBERRY.
- W14 : PAINT : DUNN-EDWARDS #014-9D, ELIZABETHAN BLUE.
- W15 : PAINT : DUNN-EDWARDS #02-37P, PASTEL MINK.

MILLWORK :

- M1 : LAMINATE PLASTIC : WILSONART SOLAR OAK, #7816-13.
- M2 : LAMINATE PLASTIC : WILSONART LARKSPUR, #0326-6.
- M3 : LAMINATE PLASTIC : WILSONART MAUVE BLUSH, #0376-13.
- M4 : LAMINATE PLASTIC : WILSONART PLATINUM, #0315-6.
- M5 : LAMINATE PLASTIC : WILSONART WILDROSE, #088-13.
- M6 : LAMINATE PLASTIC : WILSONART DAWN, #0311-6.

CEILING :

- C1 : CEILING TILE : ARMSTRONG WORLD INDUSTRIES, MINATONE CORTEGA #1046 (2'-0"x2'-0"), REGULAR LAY-IN PANEL.
- C2 : CEILING TILE : ARMSTRONG WORLD INDUSTRIES, MINABOARD CORTEGA #769 (2'-0"x4'-0"), FLUSH LAY-IN PANEL.
- C3 : PROTECTIVE COATING : SANITILE #6814, GOSSAMER WHITE
- C4 : PAINT : DUNN-EDWARDS #01-31P, KIRKWOOD.
- C5 : PAINT : DUNN-EDWARDS #015-16P, SNOWBERRY.
- C6 : PAINT : DUNN-EDWARDS #02-36P, CLOUD PINK.
- C7 : PAINT : DUNN-EDWARDS #014-46P, GOSSAMER BLUE

SPECIALTIES :

- S1 : LOCKERS : PENCO #715, "LAKE BLUE"
- S2 : LIQUID CHALKBOARDS : ALLIANCE #402, WHITE.
- S3 : LIQUID CHALKBOARDS : ALLIANCE #401, SILVER SCREEN GREY.
- S4 : FOLDING PARTITIONS : MODERNFOLD VINYL - ROSE MIX (S) 6-06.
- S5 : STAGE CURTAINS : MARVEL FABRICUT INC., PATTERN MARVEL - COLOR CADET - 48" WIDE, 100% DUPONT DACRON POLYESTER.
- S6 : TOILET PARTITIONS : SANTANA PRODUCTS, BLACK PAISLEY
- S7 : TOILET PARTITIONS : SANTANA PRODUCTS, BLACK PAISLEY

MISCELLANEOUS NOTES:

1. MECHANICAL GRILLES & LOUVERS SHALL BE PAINTED TO MATCH THE IMMEDIATE ADJACENT SURFACE.
2. ALL EXTERIOR H.M. DOOR & FRAME ASSEMBLIES SHALL BE PAINTED TO MATCH THE BASE EXTERIOR WALL COLOR.
3. VIEW PANEL FRAMES AND LOUVERS WITHIN DOORS SHALL BE PAINTED TO MATCH THE DOOR COLOR.
4. PROVIDE HORIZONTAL MINI-BLINDS AT WINDOWS IN ROOM 112, BAND STORAGE. BLINDS SHALL BE HUNTER-DOUGLAS #640, AZURE.
5. ALL DOOR FRAMES SHALL BE GROUTED SOLID.
6. VINYL EDGE STRIPS AND TRANSITION STRIPS SHALL BE USED WITH COVED SHEET VINYL.
7. REFER TO INTERIOR ELEVATIONS FOR CLARIFICATION OF SPECIFIC FINISH LOCATIONS AND EXTENT OF FINISHES.
8. REFER TO REFLECTED CEILING PLAN FOR CLARIFICATION OF SPECIFIC FINISH LOCATIONS AND EXTENT OF FINISHES.
9. THESE TACKABLE WALL PANELS ARE INSTALLED OVER 1/2" GYPSUM BOARD OR 1/2" STRUCTURAL SHEAR WALL PLYWOOD (WHERE INDICATED ON THE STRUCTURAL DRAWINGS). IN LOCATIONS WHERE PLYWOOD IS INSTALLED THE GYPSUM BOARD MAY BE OMITTED.

DOOR SCHEDULE

	DOOR NO.	HARDWARE	LABEL MIN.	OPENING SIZE	DOORS TYPE	DOORS MATERIAL	FRAMES MATERIAL	FRAMES WIDTH	FRAMES HEAD DETAIL	FRAMES JAMB DETAIL	FRAMES SILL DETAIL	REMARKS
BUILDING 'A'	1	3		3'-0" x 7'-10"	B	HM	HM		8.1.04	8.1.04	8.1.03	
	2	4										
	3	3										
	4	5										
	5	5										
	6	5										
	7	2										
	8	2										
	9	6										
	10	3		3'-0" x 7'-10"	B	HM			8.1.04	8.1.04	8.1.03	
	11	7		3'-0" x 7'-0"	D	SC			8.1.01	8.1.01	11 A.29	
	12	8	45									
	13	9	45									
	14	10										
	15	10	45									
	16	11										SIGN 'MEN'
	17	11										SIGN 'WOMEN'
	18	12										SIGN 'WOMEN'
	19	9		3'-0" x 7'-0"	D	SC	HM		8.1.01	8.1.01		
	20	13		3'-0" x 2'-6"	G	LP	LP					
	21	14		3'-0" x 7'-0"	D	SC	HM		8.1.01	8.1.01		SIGN 'TOILET'
	22	15	45									
	23	10		3'-0" x 7'-0"	D	SC	HM		8.1.01	8.1.01		
	24	13		3'-0" x 2'-6"	G	LP	LP					
	25	16		3'-0" x 7'-0"	D	SC	HM		8.1.01	8.1.01		
	26	16			F							
	27	16			F							
	28	16		3'-0" x 7'-0"	F	SC	HM		8.1.01	8.1.01		
	29			3'-0" x 2'-6"	G	LP	LP				11 A.29	
BUILDING 'D'	1	18	45	3'-0" x 7'-10"	B	HM	HM		8.1.04	8.1.04	8.1.03	
	2	5			C							PANIC HARDWARE
	3	5										PANIC HARDWARE
	4	5										PANIC HARDWARE
	5	3										
	6	3										
	7	5		3'-0" x 7'-10"	C	HM			8.1.04	8.1.04	8.1.03	PANIC HARDWARE
	8	39		2'-0" x 7'-0"	D	SC			8.1.01	8.1.01	11 A.29	SIGN 'TOILET'
	9	39		3'-0" x 7'-0"								
	10	39		3'-0" x 7'-0"								
	11	7		2'-10" x 7'-0"	D							SIGN 'TOILET'
	12	40		3'-0" x 7'-0"	F							
	13	40		3'-0" x 7'-0"	F	SC	HM		8.1.01	8.1.01	11 A.29	
BUILDING 'E' & 'F'	1	5		3'-0" x 7'-10"	C	HM	HM		8.1.04	8.1.04	8.1.03	
	2	5			C							
	3	5										
	4	5										
	5	5										
	6	5			C							
	7	19			B							SIGN 'WOMEN'
	8	20	45		B							
	9	19		3'-0" x 7'-10"	B	HM			8.1.04	8.1.04	8.1.03	SIGN 'MEN'
	10	37		3'-0" x 7'-0"	F	SC			8.1.01	8.1.01	11 A.29	
	11	37										
	12	37										
	13	37										
	14	37										
	15	37		3'-0" x 7'-0"	F	SC	HM		8.1.01	8.1.01	11 A.29	

EXIT DOOR REQUIREMENTS

ALL EXIT DOORS IN SCHOOL BUILDING, INCLUDING BUT NOT LIMITED TO DOORS OF TOILETS AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF SECTION 3304 OF THE 1988 UNIFORM BUILDING CODE WITH CALIFORNIA AMENDMENTS. THE FOLLOWING ARE SOME OF THE REQUIREMENTS:

1. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
2. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30 AND 44 INCHES ABOVE THE FLOOR.
3. DEAD BOLTS ARE NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE.



KEY PLAN

APPROVALS

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION

Reviewed by:

ANTHONY CANON STRAAT
Supervisor of Certified Specialists
Office of the State Architect

PORTION 1
10/11/1993

Certified Access Specialist

By:

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Architecture
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Construction
2021 Westwind Drive
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(805) 327-0875
(805) 327-5933 Fax

LICENSED ARCHITECT
JAMES KLASSEN
C10401
REN 1-31-95
STATE OF CALIFORNIA

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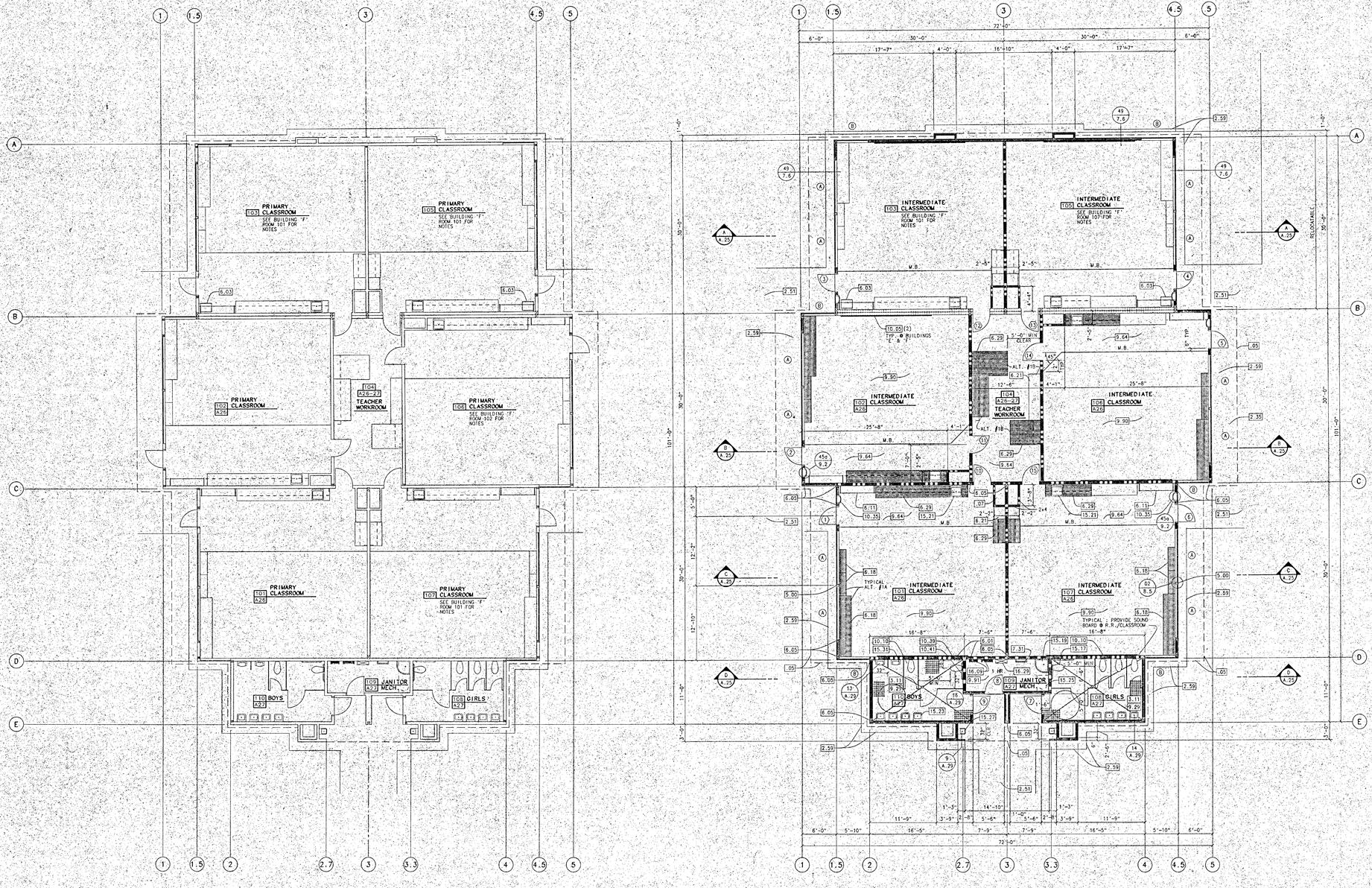
BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: ADMINISTRATION / LIBRARY & CLASSROOMS FINISH SCHEDULES

Date:	Issued for:
Date:	Revisions: 3
Drawn by:	dohe
Job no:	1223
Dgn. file:	mma17
Sheet:	A.17
Sheet of:	30
Date:	March 8, 1993



KEYNOTES:

03	PROVIDED BY OWNER	00000
05	LINE OF ROOF ABOVE	00000
07	MECHANICAL SPACE	00000
2.35	PLANTING AREA	02480
2.51	CONCRETE WALK (4" THICK)	02514
2.59	CONCRETE MOW STRIP (18" WIDE)	02514
2.61	COLORED CONCRETE PAVEMENT w/ TOOLED SCORING	02514
3.11	SLOPE FLOOR TO DRAIN @ 1/8" PER FOOT	03310
4.08	RAISED MASONRY PLANTER WALL w/ TOP CAP & CEMENT BASED WATER PROOFING	04230
5.00	STEEL, TUBE COLUMN	05120
6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
6.03	18" x 24" UNDERFLOOR ACCESS PANEL - PROVIDE COUNTERSINK SCREWS & SHEET VINYL TO FLUSH WITH ADJACENT FLOOR	06100
6.05	WOOD POST	06100
6.11	LAM. PLASTIC WALL MT'D. COAT RACK	06400
6.12	LAMINATE PLASTIC SHELF	06400
6.14	PORTABLE LAMINATE PLASTIC CABINET	06400
6.18	BASE CABINET	06400
6.21	LAMINATE PLASTIC TALL CABINET w/ SLOPING TOP	06400
6.29	LAMINATE PLASTIC BASE & UPPER CABINET (SLOPING TOP @ UPPER)	06400
7.31	ROOF ACCESS ALUMINUM LADDER (CEILING TO ROOF CURB ABOVE)	07700
9.29	MORTAR BED FLOOR TILE OVER DEPRESSED CONC. SLAB (SLOPE TO FLOOR DRAIN)	09300
9.64	SHEET VINYL FLOORING	09650
9.90	CARPET FLOORING	09680
9.91	SEALED CONCRETE FLOOR	09900
10.05	PORCELAIN ENAMEL CHALKBOARD (4'x8') (NO LINES)	10100
10.10	SOLID PLASTIC FLOOR MOUNTED OVERHEAD BRACED PARTITIONS	10160
10.35	SEMI RECESSED CABINET w/ FIRE EXTINGUISHER	10522
10.39	GRAB BAR 42" L. (Bobrick B-6206)	10800
10.41	GRAB BAR 36" L. (Bobrick B-6206)	10800
15.17	TOILET	15400
15.19	JANITOR SINK	15400
15.21	SINK	15400
15.23	LAVATORY	15400
15.25	WATER HEATER	15400
15.27	DRINKING FOUNTAIN	15400
15.31	URINAL	15400
16.09	ELECTRICAL PANEL	16100
16.29	SIGNAL TERMINAL CABINET	16100

PRIMARY CLASSROOM FLOOR PLAN 'E'

north
1/8" = 1'-0"

INTERMEDIATE CLASSROOM FLOOR PLAN 'F'

north

KEY PLAN

ROOM NO.
REFER TO SHEET A.26 & A.27 FOR INTERIOR ELEVS.

CODES:
FIRE RESISTANCE DESIGN MANUAL, 11TH EDITION, WP - DESIGNATION
STEEL BEAMS, BM 1135
NATIONAL EVALUATION SERVICE COMMITTEE (NER)
TRUSSES: NER-200, ICBO-PFC-4354

WALL TYPES LEGEND

1. EXTERIOR WALL: 2x6 STUDS @ 16" o.c. w/ 5/8" TYPE 'X' GYP. BD. SIDE (RUN FULL HEIGHT) w/ CEM. PLASTER @ EXTERIOR. UNFINISHED WITHIN FURRED AREAS. (INTERIOR WALLS AT SOME LOCATIONS).
2. 1 HOUR SEPERATION WALL: 2x6 STUDS @ 16"o.c. w/ 5/8" TYPE 'X' GYP. BD. EACH SIDE. (2x4 STUDS AS NOTED).
3. FURRED WALL: 2x STUDS @ 16" o.c. w/ 5/8" GYP. BD. @ INTERIOR. UNFINISHED OPPOSITE SIDE. 7/8" CEMENT PLASTER @ EXTERIOR. UNFINISHED @ INTERIOR.
4. PARTITION WALL: 2x4 STUDS @ 16" o.c. w/ 5/8" GYP. BD. EACH SIDE CEMENT PLASTER FINISH @ EXTERIOR, UNFINISHED WITHIN FURRED SPACES. (2x6 STUDS AS NOTED)
5. DOUBLE WALL @ RELOCATABLES: 2x6 STUDS @ 16" o.c. w/ 5/8" GYP. BD. EACH SIDE.

NOTE: SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS.

ALTERNATE BID ITEMS:

SEE SPECIFICATIONS SECTIONS 01030

ALT. ITEM #1A: DELETE 19 L.F. OF BASE CABINET ADJACENT TO EXTERIOR WINDOW @ CLASSROOM # 101, 103, 105, 106, & 107 BUILDINGS 'E' & 'F'

ALT. ITEM #1B: DELETE ALL CASEWORK IN ROOM 104 BUILDINGS 'E' & 'F'

RECEIVED MAR 8 1993

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION

APPROVED

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
1/9/11/1993
Structural Safety Section
Reviewed By

KLASSEN CORPORATION
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LICENSED ARCHITECT LYNN KLASSEN C10401 EXP. 6-31-95 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: INTERMEDIATE & PRIMARY CLASSROOMS FLOOR PLANS — 'E' & 'F'

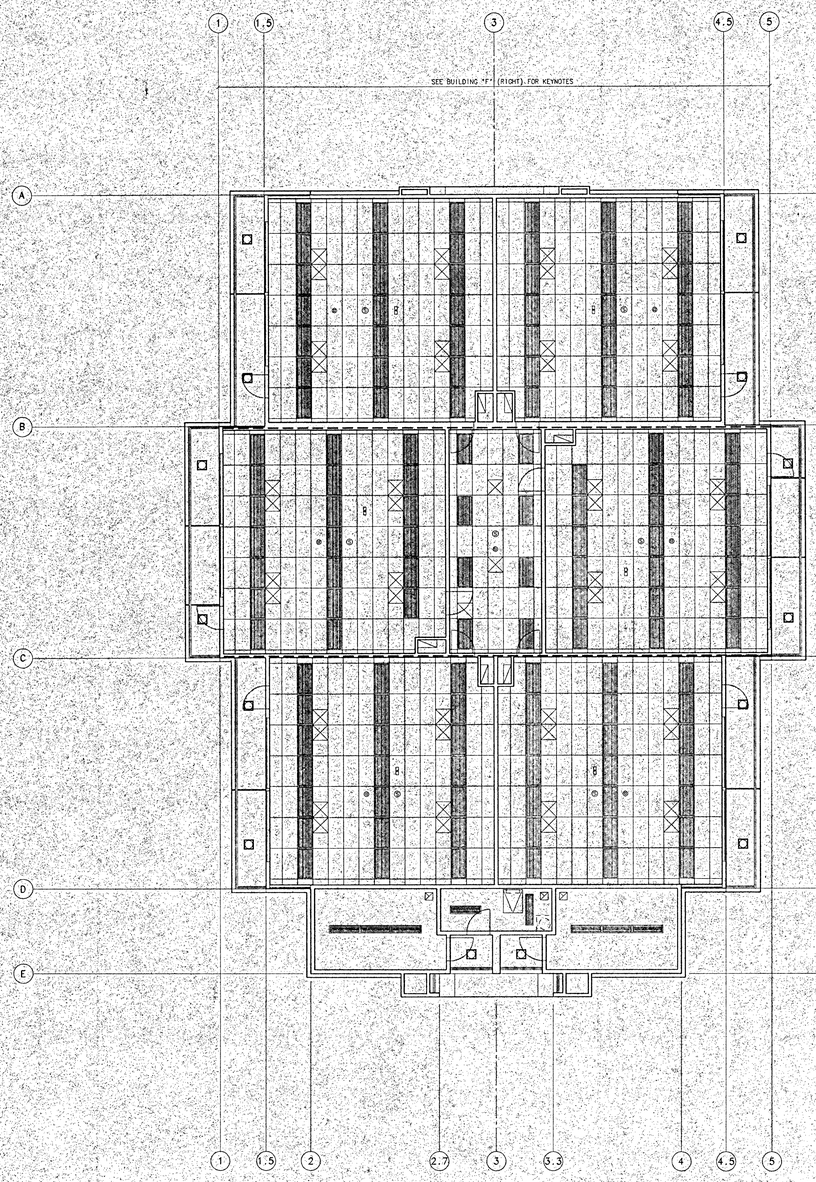
Date: Issued for:

Date: Revisions:

Drawn by: done
Job no: 1223
Dgn. file: mma18.2d

Sheet:
A.18
Sheet of 30

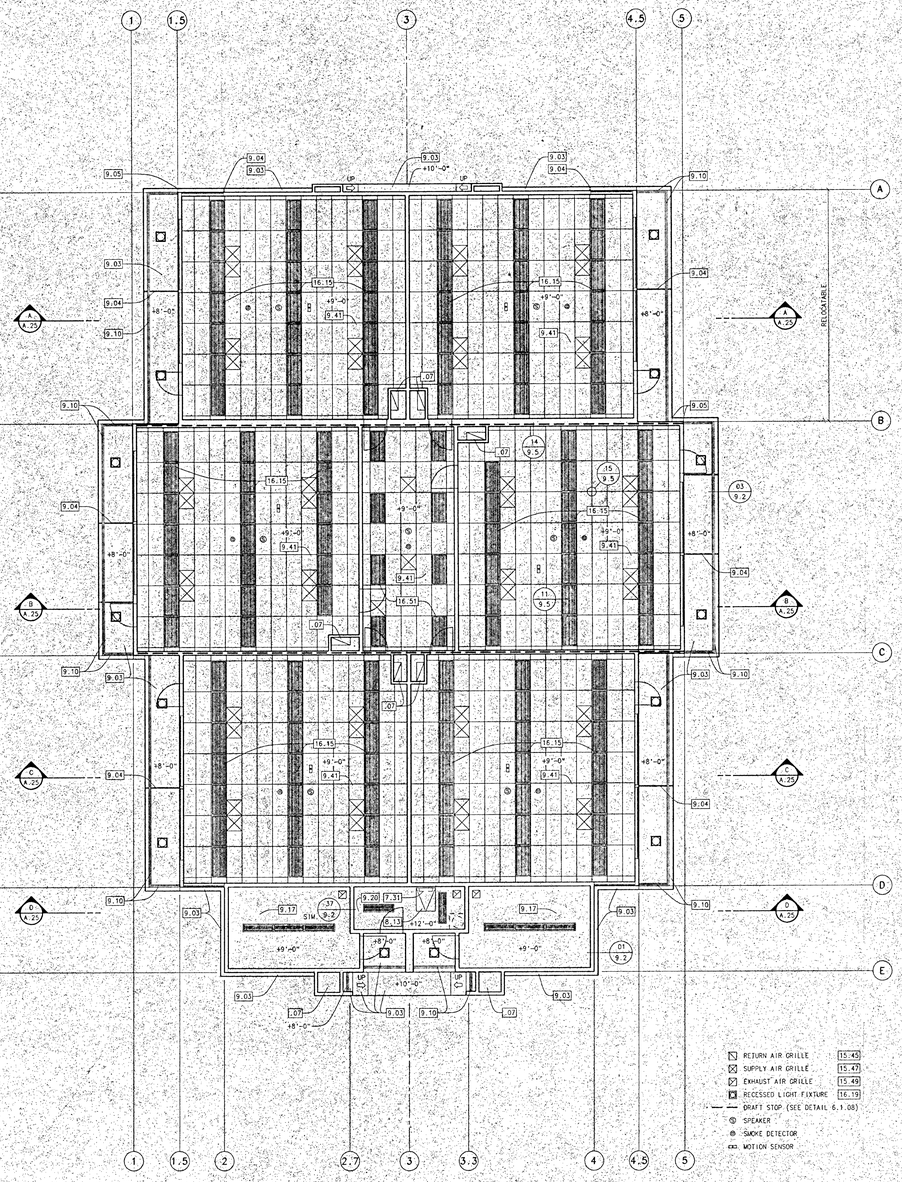
Date: March 8, 1993



PRIMARY CLASSROOM
REFLECTED CEILING PLAN 'E'

north

1/8" = 1'-0"



INTERMEDIATE CLASSROOM
REFLECTED CEILING PLAN 'F'

north

KEYNOTES:

.07	MECHANICAL SPACE	00000
6.05	WALL CABINET BELOW SOFFIT OR CEILING	06400
7.31	ROOF ACCESS ALUMINUM LADDER ABOVE (CEILING TO ROOF CURB)	07700
8.13	CEILING ACCESS PANEL 30" X 36" PAINTED	08305
9.03	CEMENT PLASTER SOFFIT WITH SAND FLOAT FINISH	09200
9.04	PLASTER EXPANSION SCREED w/ CONT. BLOCKING (Western #XJ-15)	09200
9.05	PLASTER CRACK CONTROL SCREED (SUPERIOR #17) TYP. @ CORNERS ONLY	09200
9.07	2 - LAYERS 1/2" TYPE 'X' GYP. BD. BELOW ROOF JOISTS	09215
9.10	CONTINUOUS VENT SCREED (SUPERIOR #115 - 3.5")	09250
9.17	CEMENT PLASTER OVER RIB LATH @ R.R. #108 & 110 CEILINGS BUILDINGS E & F	09250
9.19	5/8" GYPSUM BOARD DRYWALL	09250
9.20	5/8" GYPSUM BOARD DRYWALL w/ (1) LAYER, 5/8" TYPE 'X' @ TOP SIDE ATTIC OF 2x CEILING JOISTS	09250
9.23	DRAFT STOPS	09250
9.41	2' X 4' SUSPENDED T-BAR CEILING WITH FLUSH LAY-IN PANEL	09510
15.45	RETURN AIR GRILLE	15800
15.47	SUPPLY AIR GRILLE	15800
15.49	EXHAUST AIR GRILLE	15800
15.55	MECHANICAL GRILLE (PAINTED)	15800
16.15	RECESSED FLUORESCENT FIXTURE	16100
16.18	FLUORESCENT FIXTURE	16100
16.19	RECESSED LIGHT FIXTURE	16100

GENERAL NOTES:

1. FOR TYPICAL SUSPENDED CEILING NOTES SEE 9.5.06a & 9.5.06b
2. TYPICAL @ T-BAR CEILING: PROVIDE STRUT TO ROOF STRUCTURE TO RESIST VERTICAL FORCE INDUCED BY WIRES PER 1988 UBC STD. 47.31(2c). SEE 9.5.15.
3. SEE DETAILS 9.2.47 & 9.2.48 FOR ATTACHMENT OF METAL LATH OR PAPER-BACKED WIRE FABRIC TO WOOD FRAMED HORIZONTAL SURFACES.
4. T-BAR SYSTEM SERIES NUMBERS:
   MAIN RUNNERS: CHICAGO METALLIC CO. - #1811 & 1819
   CROSS RUNNERS: CHICAGO METALLIC CO. - #1814 (OR 1804, 1824)
   SEE SPEC. SECTION 09510 FOR ADDITIONAL INFO.

- RETURN AIR GRILLE [15.45]
- SUPPLY AIR GRILLE [15.47]
- EXHAUST AIR GRILLE [15.49]
- RECESSED LIGHT FIXTURE [16.19]
- DRAFT STOP (SEE DETAIL 6.1.08)
- SPEAKER
- SMOKE DETECTOR
- MOTION SENSOR

KEY PLAN

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: INTERMEDIATE & PRIMARY CLASSROOMS - 'E' & 'F' REFLECTED CEILING PLANS

Date: Issued for:

Date: Revisions:

Drawn by: done

Job no: 1223

Dgn. file: mma18.2D

Sheet: A.19

Sheet of: 30

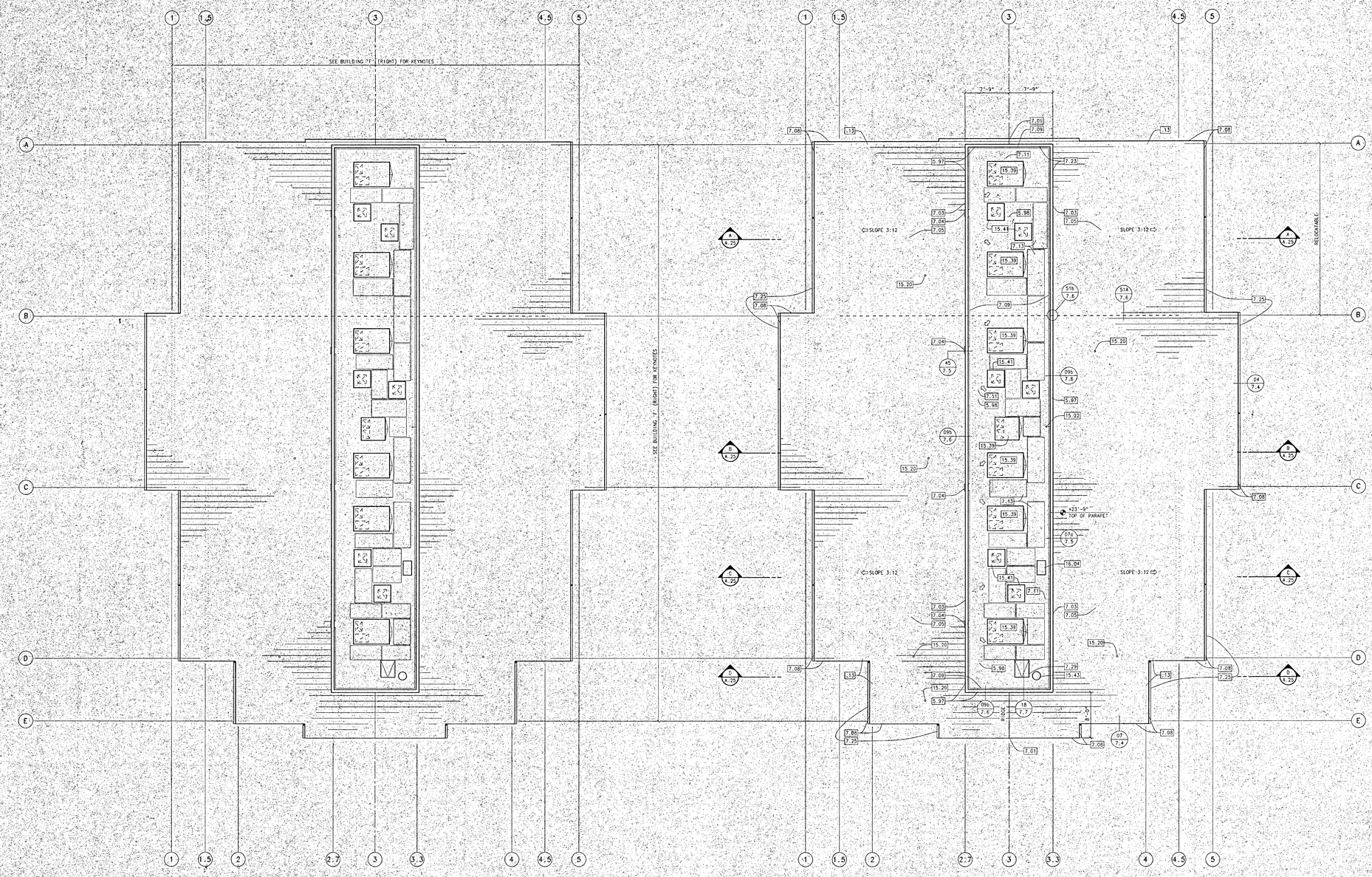
Date: March 8, 1993

MAR 8 1993

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION

Approved by:

DEPARTMENT OF GENERAL SERVICES
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Approved By:

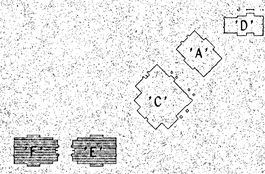


PRIMARY CLASSROOM ROOF PLAN 'E'

INTERMEDIATE CLASSROOM ROOF PLAN 'F'

KEYNOTES:

.13	LINE OF BUILDING BELOW	00000
5.97	WOOD FRAME PARAPET	06100
5.98	WARPED PLYWOOD ROOF DECK	06100
7.01	PREFINISHED METAL ROOFING RIDGE TRIM	07410
7.02	PREFINISHED RAKEWALL FLASHING	07410
7.03	PREFINISHED METAL REGLET TO STUCCO PARAPET WALL	07410
7.04	PREFINISHED METAL THRU WALL SCUPPER	07410
7.05	PREFINISHED METAL ROOFING	07410
7.08	PREFINISHED FORMED METAL RAKE & EAVE TRIM	07410
7.09	CONTINUOUS 3" FIBER CANT STRIP	07510
7.11	BUILT-UP COMPOSITION ROOFING	07510
7.13	WALKWAY PROTECTION CAPSHEET	07510
7.23	24 GA. G.I. CAP FLASHING - PAINTED	07600
7.25	24 GA. G.I. GUTTER - PAINTED	07600
7.29	ROOF HATCH 30" x 36"	07700
15.20	PLUMBING VENT & ROOF JACK (PAINTED WHERE EXPOSED)	15400
15.22	HOSE BIB	15400
15.39	H.V.A.C. EQUIPMENT	15800
15.41	EVAPORATIVE COOLER	15800
15.53	EXHAUST FAN ROOF CAP	15800
16.04	ROOF MOUNTED ELECTRICAL TRANSFORMER	16100



KEY PLAN

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION

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Department of General Services
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PORTION 1
MAR 11 1993
Structural Safety Section

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: INTERMEDIATE & PRIMARY CLASSROOMS ROOF PLANS - 'E' & 'F'

Date:	Issued for:

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Job no: 1223

Dgn. file: mmo20.2d

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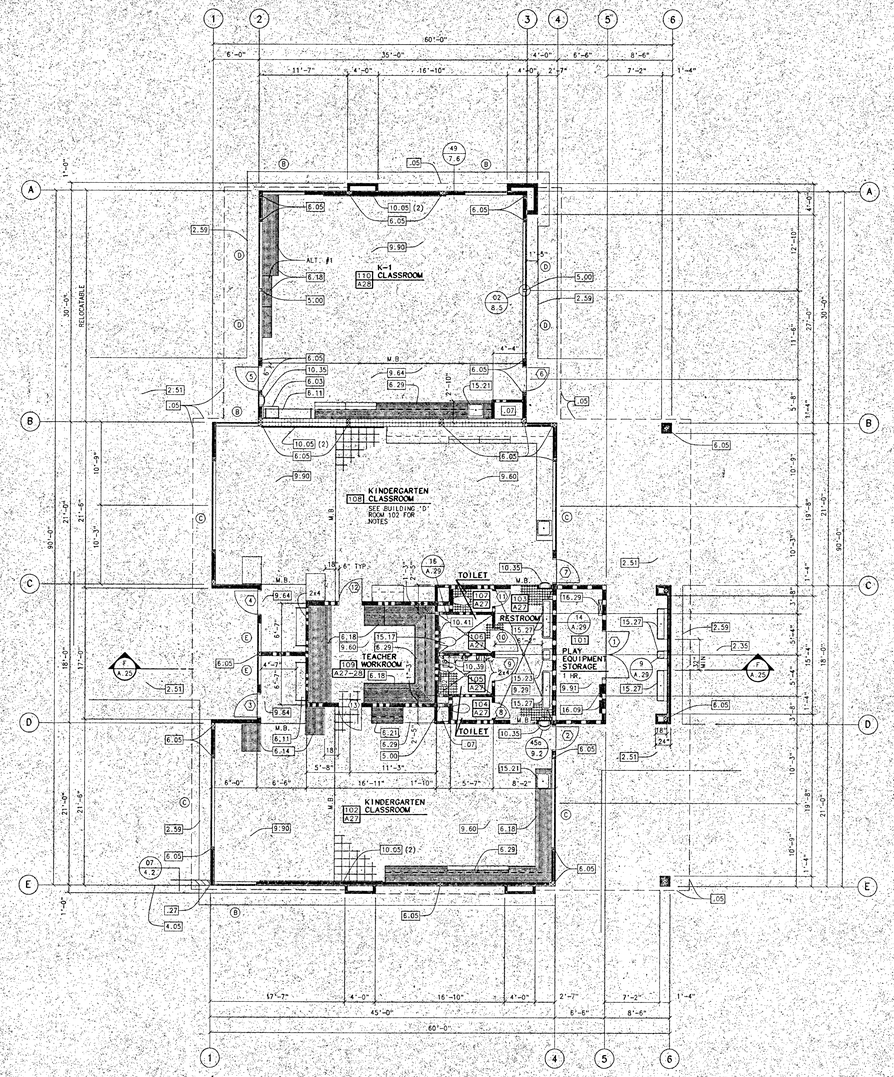

KEYNOTES:

.03	PROVIDED BY OWNER	00000
.05	LINE OF ROOF ABOVE	00000
.07	MECHANICAL SPACE	00000
.27	MATERIAL SEPERATION (2")	00000
2.35	PLANTING AREA	02480
2.51	CONCRETE WALK (4" THICK)	02514
2.59	CONCRETE MOW STRIP (18" WIDE)	02514
2.61	COLORED CONCRETE PAVEMENT w/ TOOLED SCORING	02514
3.11	SLOPE FLOOR TO DRAIN @ 1/8" PER FOOT	03310
4.05	SPLIT FACE CONCRETE BLOCK	04230
4.08	RAISED MASONRY PLANTER WALL w/ TOP CAP & CEMENT BASED WATER PROOFING	04230
5.00	STEEL TUBE COLUMN	05120
6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
6.03	18" x 24" UNDERFLOOR ACCESS PANEL - PROVIDE COUNTERSINK SCREWS & SHEET VINYL TO FLUSH WITH ADJACENT FLOOR	06100
6.05	WOOD POST	06100
6.11	LAM. PLASTIC WALL MT'D. COAT RACK.	06400
6.14	PORTABLE LAMINATE PLASTIC CABINET	06400
6.18	BASE CABINET	06400
6.21	LAMINATE PLASTIC TALL CABINET w/ SLOPING TOP	06400
6.29	LAMINATE PLASTIC BASE & UPPER CABINET (SLOPING TOP @ UPPER)	06400
9.29	MORTAR BED FLOOR TILE OVER DEPRESSED CONCRETE SLAB (SLOPE TO FLOOR DRAIN) (PROVIDE THINSET TILE @ ROOM w/o FLOOR DRAIN & DPRESSED SLAB)	09300
9.60	12" x 12" VINYL COMPOSITION TILE FLOORING	09650
9.64	SHEET VINYL FLOORING	09650
9.90	CARPET FLOORING	09680
9.91	SEALED CONCRETE FLOOR	09550
10.05	PORCELAIN ENAMEL CHALKBOARD (4'x8') (NO LINES)	10100
10.35	SEMI RECESSED CABINET w/ FIRE EXTINGUISHER	10522
10.39	GRAB BAR 42" L. (Bobrick B-6206)	10800
10.41	GRAB BAR 36" L. (Bobrick B-6206)	10800
15.17	TOILET	15400
15.21	SINK	15400
15.23	LAVATORY	15400
15.27	DRINKING FOUNTAIN	15400
16.09	ELECTRICAL PANEL	16100
16.29	SIGNAL TERMINAL CABINET	16100

north
1/8" = 1'-0"

KINDERGARTEN CLASSROOM FLOOR PLAN 'D'

ROOM NO.
REFER TO SHEET A.27 & A.28 FOR INTERIOR ELEVs.

CODES:
FIRE RESISTANCE DESIGN MANUAL, 11TH EDITION, WP - DESIGNATION
STEEL BEAMS: SM 1135
NATIONAL EVALUATION SERVICE COMMITTEE (NER):
TRUSSES: NER-200, ICBO-PFC-4354

WALL TYPES LEGEND

1. EXTERIOR WALL: 2x6 STUDS @ 16" o.c. w/ 5/8" TYPE 'X' GYP. BD. SIDE (RUN FULL HEIGHT) w/ CEM. PLASTER @ EXTERIOR. UNFINISHED WITHIN FURRED AREAS. (INTERIOR WALLS AT SOME LOCATIONS).
2. WP 3605 — 1 HOUR SEPERATION WALL: 2x6 STUDS @ 16" o.c. w/ 5/8" TYPE 'X' GYP. BD. EACH SIDE. (2x4 STUDS AS NOTED)
3. FURRED WALL: 2x STUDS @ 16" o.c. w/ 5/8" GYP. BD. @ INTERIOR. UNFINISHED OPPOSITE SIDE. 7/8" CEMENT PLASTER @ EXTERIOR. UNFINISHED @ INTERIOR.
4. PARTITION WALL: 2x6 STUDS @ 16" o.c. w/ 5/8" GYP. BD. EACH SIDE. CEMENT PLASTER FINISH @ EXTERIOR. UNFINISHED WITHIN FURRED SPACES. (2x4 STUDS AS NOTED)
5. DOUBLE WALL @ RELOCATABLES: 2x6 STUDS @ 16" o.c. w/ 5/8" GYP. BD. EACH SIDE.
6. CONCRETE BLOCK WALL: CONCRETE BLOCK WALL

NOTE: SEE STRUCTURAL DRAWINGS FOR SHEAR WALL LOCATIONS.

ALTERNATE BID ITEMS:

1. VCT NUMBERS (1 THRU 10) AND LETTERS (As 2HRU Zs). VERIFY LOCATION OF NUMBERS/LETTERS WITH DISTRICT STAFF PRIOR TO PLACEMENT. (TYP. FOR ROOMS 102 & 108.)

KEY PLAN

MAY 8 1993
OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
Reviewed by

DEPARTMENT OF GENERAL SERVICES
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Checked By

KLASSEN CORPORATION
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(805) 327-5933 Fax

LICENSED ARCHITECT PHIL KLASSEN C-16040 REN 4-31-95 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

Sheet title: KINDERGARTEN CLASSROOMS FLOOR PLANS 'D'

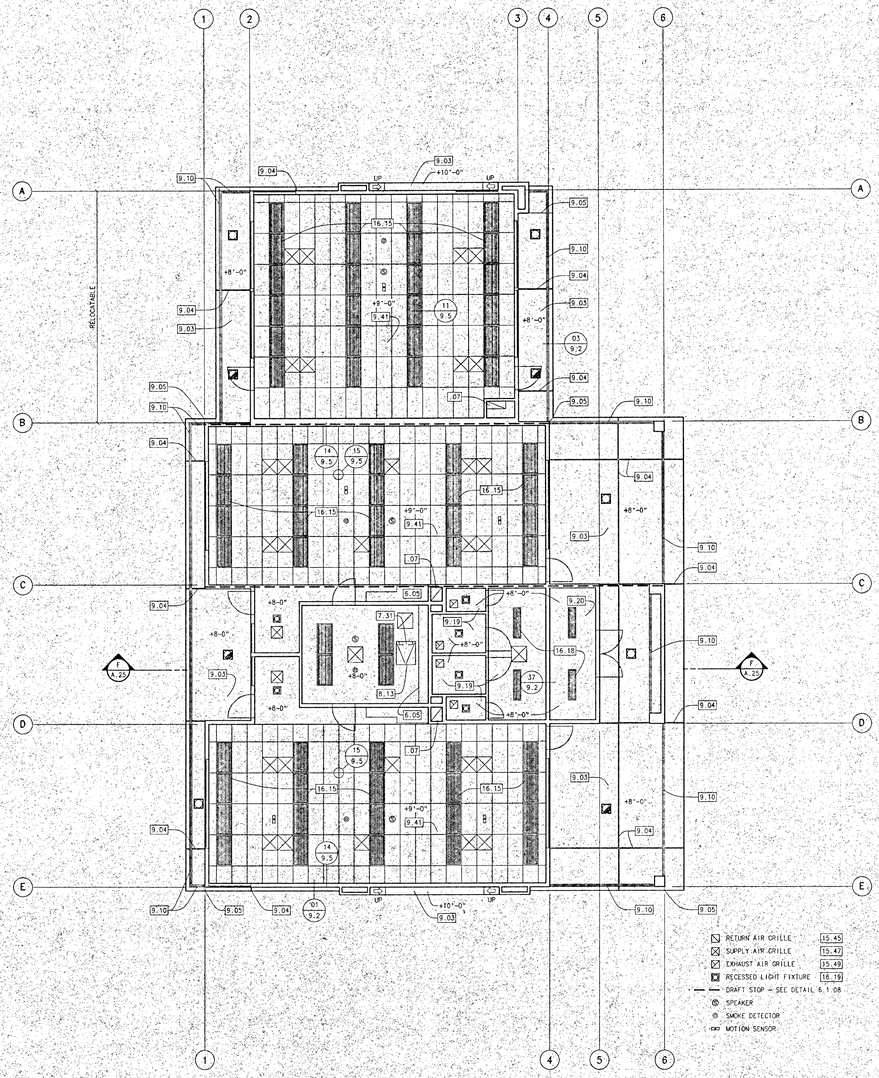
Date: Issued for:

Date: Revisions:

Drawn by: done
Job no: 1223
Dgn. file: mma21.2d

Sheet: A.21
Sheet of: 30

Date: March 8, 1993



RETURN AIR GRILLE	15.45
SUPPLY AIR GRILLE	15.47
EXHAUST AIR GRILLE	15.49
RECESSED LIGHT FIXTURE	16.19
DRAFT STOP - SEE DETAIL 6.1.08	
SPEAKER	
SMOKE DETECTOR	
MOTION SENSOR	

KINDERGARTEN CLASSROOM
REFLECTED CEILING PLAN 'D'

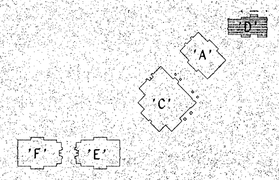
1/8" = 1'-0"

KEYNOTES:

.07	MECHANICAL SPACE	00000
6.05	WALL CABINET BELOW SOFFIT OR CEILING	06400
7.31	ROOF ACCESS ALUMINUM LADDER ABOVE (CEILING TO ROOF CURB)	07700
8.13	CEILING ACCESS PANEL 30" X 36" PAINTED	08305
9.03	CEMENT PLASTER SOFFIT WITH SAND FLOAT FINISH	09200
9.04	PLASTER EXPANSION SCREED w/ CONT. BLOCKING (Western #Ka-15)	09200
9.05	PLASTER CRACK CONTROL SCREED (SUPERIOR #17) TYP. @ CORNERS ONLY	09200
9.07	2 - LAYERS 1/2" TYPE 'X' GYP. BD. BELOW ROOF JOISTS	09215
9.10	CONTINUOUS VENT SCREED (SUPERIOR #115 - 3.5")	09250
9.19	5/8" GYPSUM BOARD DRYWALL	09250
9.20	5/8" GYPSUM BOARD DRYWALL w/ (1) LAYER, 5/8" TYPE 'X' @ TOP SIDE ATTIC OF 2x CEILING JOISTS	09250
9.23	DRAFT STOPS	09250
9.41	2' X 4' SUSPENDED T-BAR CEILING WITH FLUSH LAY-IN PANEL	09510
15.45	RETURN AIR GRILLE	15800
15.47	SUPPLY AIR GRILLE	15800
15.49	EXHAUST AIR GRILLE	15800
15.55	MECHANICAL GRILLE (PAINTED)	15800
16.15	RECESSED FLUORESCENT FIXTURE	16100
16.18	FLUORESCENT FIXTURE	16100
16.19	RECESSED LIGHT FIXTURE	16100

GENERAL NOTES:

1. FOR TYPICAL SUSPENDED CEILING NOTES SEE 9.5.06a & 9.5.06b
2. TYPICAL @ T-BAR CEILING; PROVIDE STRUT TO ROOF STRUCTURE TO RESIST VERTICAL FORCE INDUCED BY WIRES PER 1988 UBC STD. 47B12c. SEE 9.5.15
3. SEE DETAILS 9.2.47 & 9.2.48 FOR ATTACHMENT OF METAL LATH OR PAPER BACKED WIRE FABRIC TO WOOD FRAMED HORIZONTAL SURFACES.
4. T-BAR SYSTEM SERIES NUMBERS:
   MAIN RUNNERS: CHICAGO METALLIC CO. - #1811 & 1819
   CROSS RUNNERS: CHICAGO METALLIC CO. - #1814 (OR 1804, 1824)
   SEE SPEC. SECTION 09510 FOR ADDITIONAL INFO.



KEY PLAN

APPROVED
FOR AND UNDER OFFICE
MAR 8 1993
STATE FIRE MARSHAL
CONSTRUCTION SECTION

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
MAR 11 1993
Reviewed by

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Reviewed by

KLASSEN CORPORATION
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LICENSED ARCHITECT
L. PHIL KLASSEN
C10401
REN 1-31-95
STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: KINDERGARTEN CLASSROOMS REFLECTED CEILING PLANS - 'D'

Date:	Issued for:

Date:	Revisions:

Drawn by: done

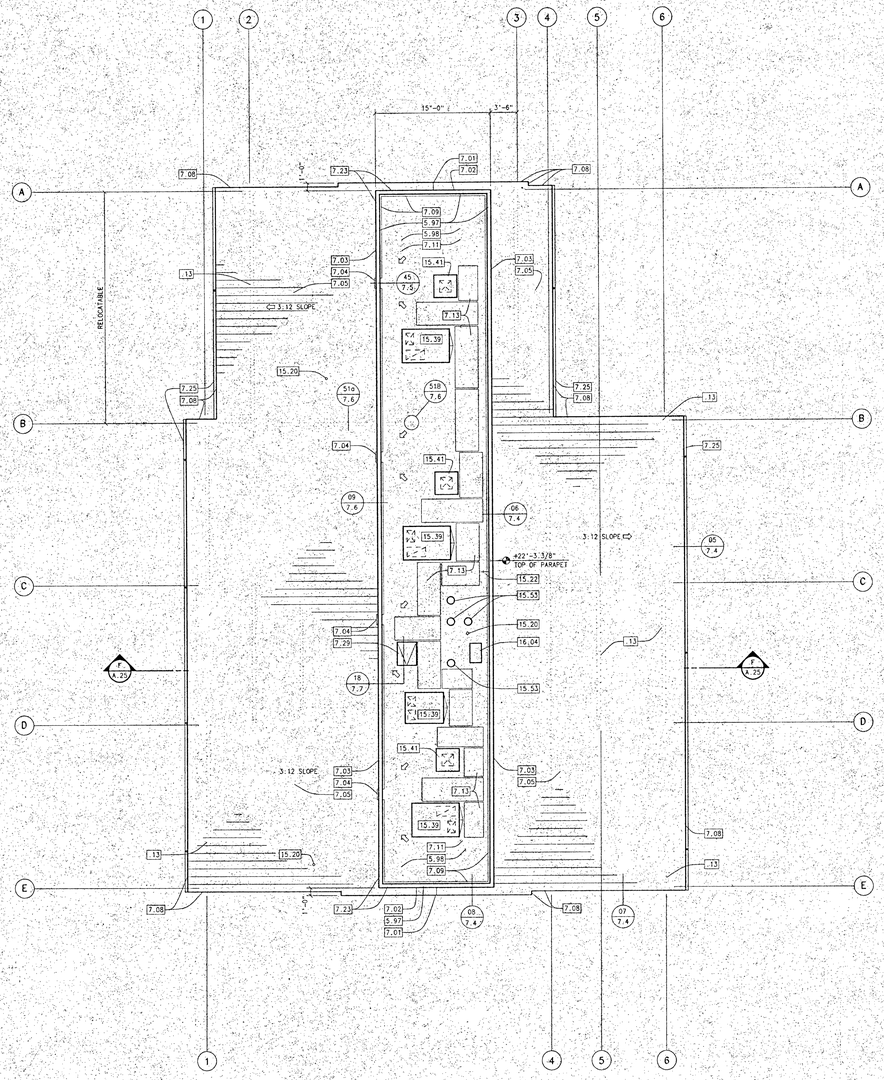
Job no: 1223

Dgn. file: mma22.2d

Sheet: A.22

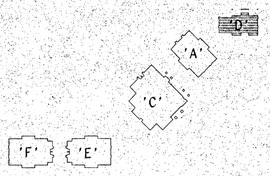
Sheet of: 30

Date: March 8, 1993



KEYNOTES:

.13	LINE OF BUILDING BELOW	00000
5.97	WOOD FRAME PARAPET	06100
5.98	WARPED PLYWOOD ROOF DECK	06100
7.01	PREFINISHED METAL ROOFING SYSTEM RIDGE TRIM	07410
7.02	PREFINISHED RAKEWALL FLASHING	07410
7.03	PREFINISHED METAL REGLET TO STUCCO PARAPET WALL	07410
7.04	PREFINISHED METAL THRU WALL SCUPPER	07410
7.05	PREFINISHED METAL ROOFING SHINGLES	07410
7.08	PREFINISHED FORMED METAL RAKE & EAVE TRIM	07410
7.09	CONTINUOUS 3" FIBER CANT STRIP	07510
7.11	BUILT-UP COMPOSITION ROOFING	07510
7.13	WALKWAY PROTECTION CAPSHEET	07510
7.23	24 GA. G.I. CAP FLASHING - PAINTED	07600
7.25	24 GA. G.I. GUTTER - PAINTED	07600
7.29	ROOF HATCH 30" x 36"	07700
15.20	PLUMBING VENT & ROOF JACK (PAINTED WHERE EXPOSED)	15400
15.22	HOSE BIB	15400
15.39	H.V.A.C. EQUIPMENT	15800
15.41	EVAPORATIVE COOLER	15800
15.53	EXHAUST FAN ROOF CAP	15800
16.04	ROOF MOUNTED ELECTRICAL TRANSFORMER	16100



KEY PLAN

KINDERGARTEN CLASSROOM ROOF PLAN 'D'

north

1/8" = 1'-0"

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Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions. Contractor shall also be responsible for all construction to comply with all applicable codes. Any discrepancies must be reported immediately to the architect before proceeding with construction.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: KINDERGARTEN CLASSROOMS ROOF PLAN 'D'

Date:	Issued for:

Date:	Revisions:

Drawn by: done

Job no: 1223

Dgn. file: mm023.26

Sheet: A.23

Sheet of: 30

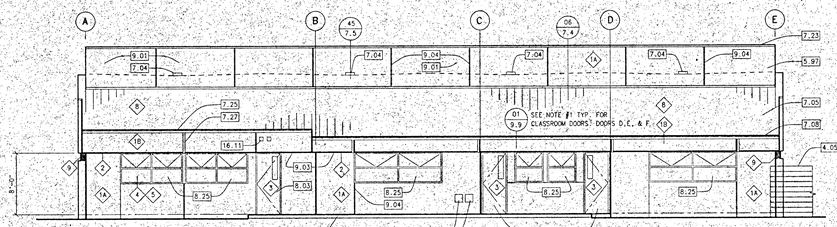
Date: March 8, 1993

MAR 8 1993

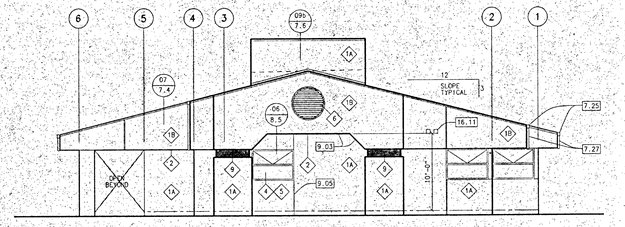
OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION

MAR 11 '93

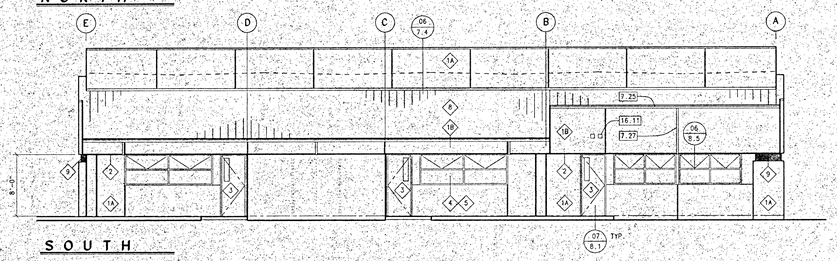
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section



NORTH



EAST



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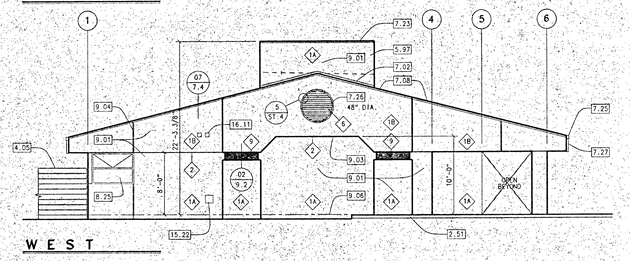
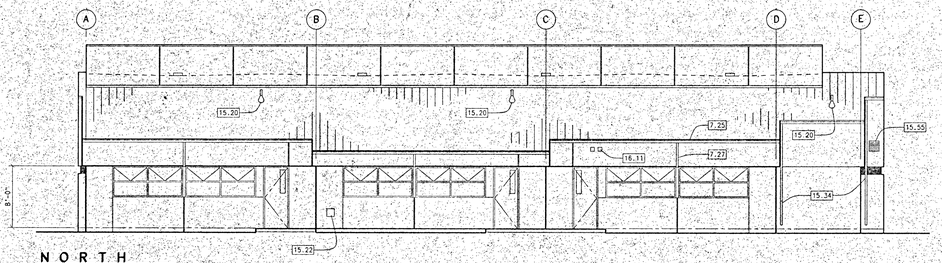


WEST

KINDERGARTEN CLASSROOM EXTERIORS 'D'

1/8" = 1'-0"



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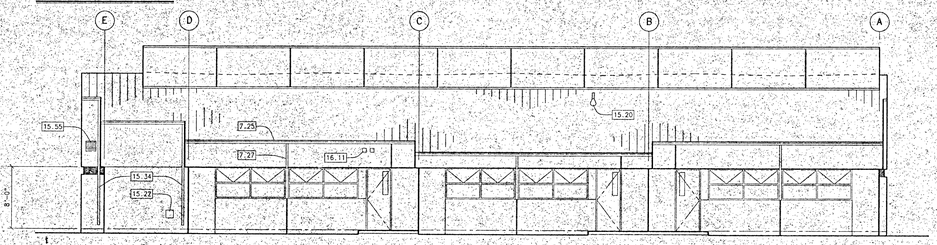

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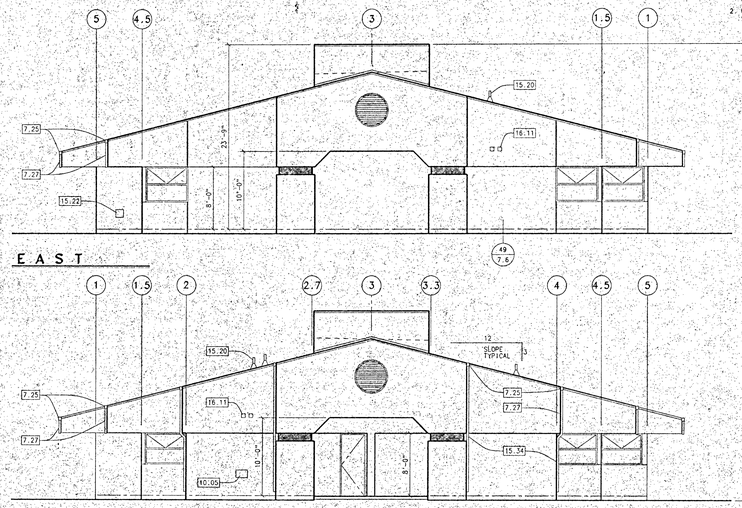


EAST

WEST

INTERMEDIATE/PRIMARY CLASSROOM EXTERIORS 'E' & 'F'

1/8" = 1'-0"

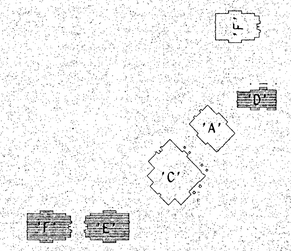
KEYNOTES:

2.51	CONCRETE WALK (4" THICK)	02514
4.05	SPLIT FACE CONCRETE BLOCK	04230
7.02	PREFINISHED RAKEWALL FLASHING	07410
7.03	PREFINISHED METAL REGLET TO STUCCO PARAPET WALL	07410
7.04	PREFINISHED METAL THRU WALL SCUPPER	07410
7.05	PREFINISHED METAL ROOFING	07410
7.08	PREFINISHED FORMED METAL RAKE & EAVE TRIM	07410
7.23	24 GA. G.I. CAP FLASHING - PAINTED	07600
7.25	24 GA. G.I. GUTTER - PAINTED	07600
7.26	VENTILATION LOUVERS	07600
7.27	24 GA. G.I. DOWNSPOUT - PAINTED	07600
8.03	HOLLOW METAL DOOR AND FRAME	08110
8.25	BRONZE ANODIZED ALUMINUM FRAMED WINDOW w/ PROJECTED TOP & FIXED BOTTOM SECTION, GLAZED w/ BRONZE TINT (NAIL IN)	08520
9.01	CEMENT PLASTER w/ SAND FLOAT FINISH	09200
9.03	CEMENT PLASTER SOFFIT w/ SAND FLOAT FINISH	09200
9.04	PLASTER EXPANSION SCREED w/ CONT. BLOCKING (Western #XJ-15)	09200
9.05	PLASTER CRACK CONTROL SCREED (Superior No. 177) TYPICAL @ DOOR & WINDOW CORNERS ONLY	09200
9.06	PLASTER WEEP SCREED	09200
10.05	WALL MOUNTED SIGN	10400
15.20	PLUMBING VENT & ROOF JACK (PAINTED WHERE EXPOSED)	15400
15.22	HOSE-BIB	16100
15.34	PAINTED DOWNSPOUT	15400
15.55	MECHANICAL GRILL - PAINTED	15400
16.11	WALL MOUNTED SPEAKER & HORN	16100

EXTERIOR FINISH SCHEDULE

#	LOCATION	MATERIAL	FINISH/MANUFACTURER
1	EXTERIOR WALLS	STUCCO	1A - "OMEGA" #28, BLUE GRAY, FROM GRAVEL TO UNDERSIDE OF SOFFIT, (AT 48'-0" E.F.F. BLDG. A,B,D,E, AT 40'-0" A.F.F. BLDG. C). 1B - "OMEGA" #26, SPANISH WHITE, ABOVE SOFFITS, (OVER 48'-0" A.F.F. BLDGS. A,B,D,E, AT 40'-0" A.F.F. BLDG. C).
2	SOFFITS/CANOPIES	STUCCO	"OMEGA" #26, SPANISH WHITE.
3	DOORS/FRAMES	METAL	"DUNN-EDWARDS" PAINT, ELIZABETHAN BLUE, #DE14-90
4	WINDOWS	GLASS	SOLAR GRAY.
5	WINDOW FRAMES/ STOREFRONT SYSTEM	ALUMINUM	CLEAR ANODIZED
6	VENTILATION LOUVERS	METAL	"RUSKIN FINISHES" DELFT BLUE.
7	WROUGHT IRON FENCE/GATES HANDRAILS/GUARDRAILS	STEEL	"DUNN-EDWARDS" PAINT, DEEP SEA, #DE13-20D (TO MATCH VENTILATION LOUVERS).
8	ROOFING	PREFINISHED METAL	'EC1' - TR SERIES #TR100 KYNAR 500 - CLASSIC GRAY
9	ACCENT BAND @ ENTRIES	STUCCO	"DUNN-EDWARDS" PAINT, DEEP SEA, #DE13-20D

EXTERIOR FINISH NOTES:
1. DOOR NUMBERS SHALL BE PAINTED WITH "DUNN-EDWARDS" ELIZABETHAN BLUE, #DE14-90, ON A PAINTED SQUARE BACKGROUND OF "DUNN-EDWARDS" WHISPER GRAY, #DE6-56P. (SEE DETAIL 8.1/D7)
2. WALL AND SOFFIT MOUNTED MECHANICAL GRILLES AND ELECTRICAL PANELS SHALL BE PAINTED TO MATCH THE ADJACENT WALL OR SOFFIT SURFACE.



KEY PLAN

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LICENSED ARCHITECT L. PHIL KLASSEN C10407 REN. 4-31-95 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: KINDERGARTEN, PRIMARY & INTERMEDIATE EXTERIOR ELEVATIONS - 'D', 'E', & 'F'

Date:	Issued for:

Date:	Revisions:

Drawn by: done

Job no.: 1223

Dgn. file: mmo24:2d

Sheet: A.24

Sheet of: 30

Date: March 8, 1993

MAR 8 1993

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION

APR 19 93

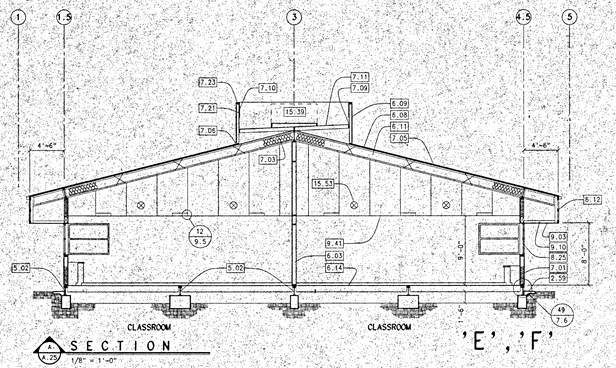
Approved by

FORMERLY Office of the State Architect

EXPIRES 12/31/93

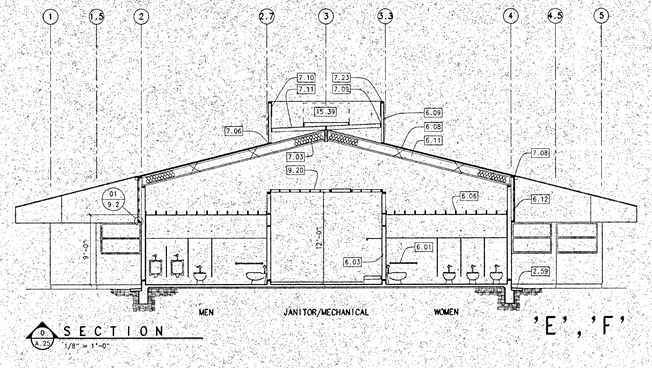
Structural Safety Section

By



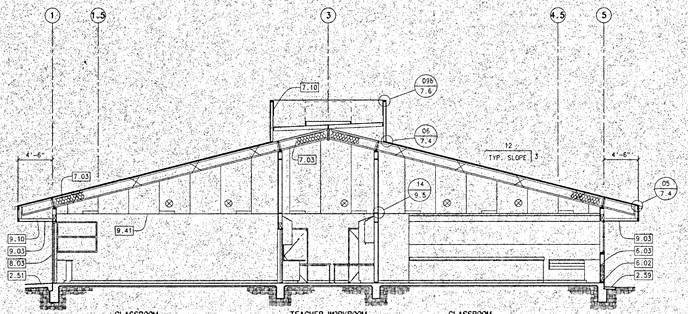
SECTION
1/8" = 1'-0"

'E','F'



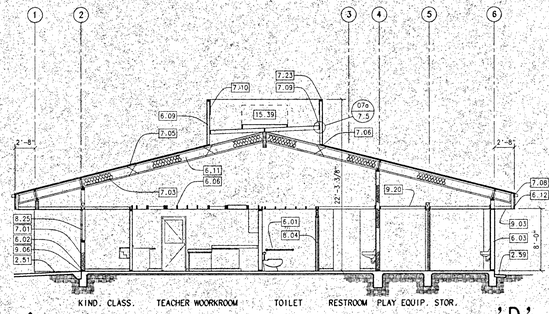
SECTION
1/8" = 1'-0"

'E','F'



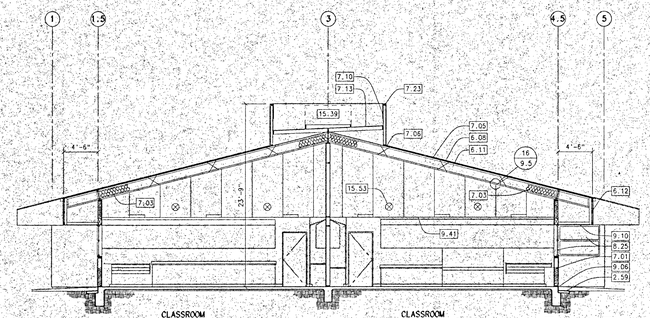
SECTION
1/8" = 1'-0"

'E','F'



SECTION
1/8" = 1'-0"

'D'

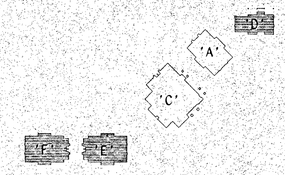


SECTION
1/8" = 1'-0"

'E','F'

KEYNOTES:

2.51	CONCRETE WALK (4" THICK)	02514
2.59	CONCRETE MOW STRIP (18" WIDE)	02514
5.02	STEEL FLOOR BEAM	05120
5.97	WOOD FRAMED PARAPET	06100
6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
6.02	2x P.T.D.F. PLATE (TYP.)	06100
6.03	2x STUDS @ 16" o/c	06100
6.05	2x8 STUDS @ 16" o/c	06100
6.08	2x C.J./R.R. @ 16" o/c	06100
6.07	GLU-LAM WOOD BEAM	06100
6.08	PLYWOOD ROOF SHEATHING	06100
6.09	WOOD FRAME PARAPET	06100
6.10	PLYWOOD CRICKET	06100
6.11	TRUSS JOIST ROOF FRAMING	06100
6.12	2x HORIZONTAL FURRING	06100
6.14	2x FLOOR JOISTS	06100
7.01	6" BATT INSULATION - (R-19)	07200
7.03	9" BATT INSULATION - (R-30)	07200
7.05	PREFINISHED METAL ROOFING	07410
7.06	PREFINISHED METAL REGLET TO STUCCO PARAPET WALL	07410
7.07	PREFINISHED METAL RAKEWALL FLASHING	07410
7.08	PREFINISHED METAL RAKE & EAVE TRIM	07410
7.09	CONTINUOUS 3" FIBER CANT STRIP	07510
7.10	FIBERGLASS COMPOSITION SHINGLES	07510
7.11	BUILT-UP COMPOSITION ROOFING	07510
7.13	WALKWAY PROTECTION CAPSHEET	07510
7.15	RIGID INSULATION BOARD (TAPERED FOR ROOF DRAINAGE)	07510
7.21	24 GA. G.I. COUNTER FLASHING	07600
7.23	24 GA. G.I. CAP FLASHING - PAINTED	07600
7.29	ROOF HATCH 30" x 36"	07700
7.31	ROOF ACCESS ALUMINUM LADDER	07700
7.33	SMOKE HATCH	07700
8.03	HOLLOW METAL DOOR & FRAME	08110
8.04	SOLID MASONITE DOOR w/ H.M. FRAME	08110
8.25	BRONZE ANODIZED ALUMINUM FRAMED WINDOW w/ PROJECTED TOP & FIXED BOTTOM SECTION, GLAZED w/ BRONZE TINT (NAIL-IN)	08520
9.03	CEMENT PLASTER SOFFIT w/ SAND FLOAT FINISH	09200
9.06	PLASTER WEEP SCREED	09200
9.10	CONTINUOUS VENT SCREED (SUPERIOR #115 - 3.5")	09250
9.17	CEMENT PLASTER INTERIOR FINISH	09250
9.18	2 - LAYERS 5/8" GYPSUM BOARD DRYWALL TYPE 'X' (FIRE RATED)	09250
9.19	5/8" GYPSUM BOARD DRYWALL TYPE 'X' (FIRE RATED)	09250
9.20	5/8" GYPSUM BOARD DRYWALL w/ (1) LAYER, 5/8" TYPE 'X' @ TOP SIDE ATTIC OF 2x CEILING JOISTS	09250
9.23	DRAFT STOPS	09250
9.41	2' x 4' SUSPENDED T-BAR CEILING w/ FLUSH LAY-IN PANEL	09510
15.39	M.V.A.C. EQUIPMENT	15800
15.41	EVAPORATIVE COOLER	15800
15.53	MECHANICAL DUCT WORK	15800
15.55	MECHANICAL GRILLE - PAINTED	15800



KEY PLAN

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION

MAR 8 1993

Reviewed

Department of General Services
Division of the State Architect

MAR 11 1993

Structural Safety Section

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
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(805) 327-5933 Fax

LICENSED ARCHITECT
NEIL KLASSEN
C-10402
EXP. 8-31-94
STATE OF CALIFORNIA

The above drawings and specifications and ideas, designs, and arrangements represented thereby are and shall remain the property of the architect and no part thereof shall be copied, disclosed to others or used in connection with any work or other project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.
Written dimensions on these drawings shall have precedence over scaled dimensions; contractors shall verify and be responsible for all dimensions and conditions on the job site. This office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title:
INTERMEDIATE, PRIMARY & KINDERGARTEN CLASSROOMS - SECTIONS - 'D', 'E' & 'F'

Date:	Issued for:

Date:	Revisions:

Drawn by: done

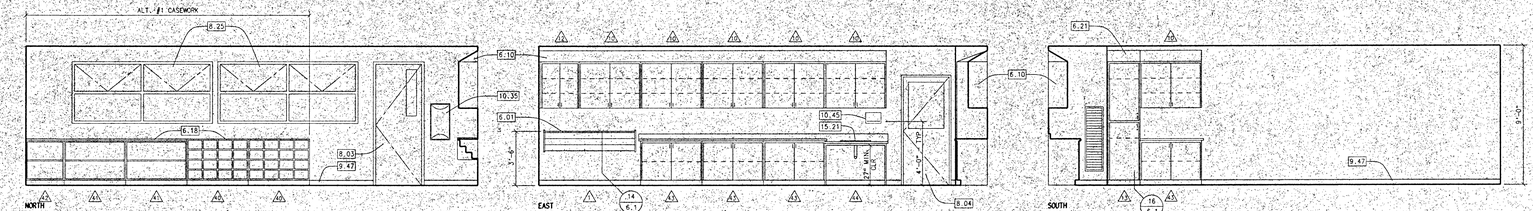
Job no: 1223

Dgn. file: mma25.2d

Sheet:
A.25

Sheet of: 30

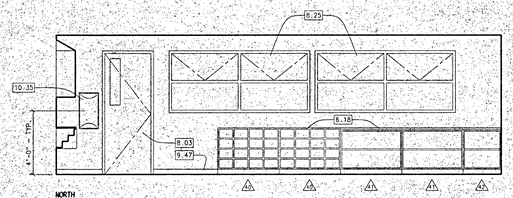
Date: March 8, 1993



101 INTERMEDIATE CLASSROOM 'F'



101 INTERMEDIATE CLASSROOM 'F'



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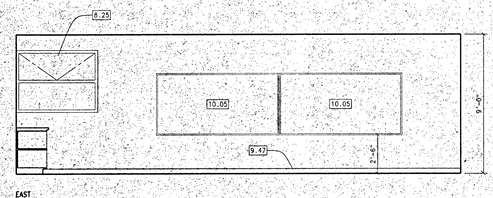

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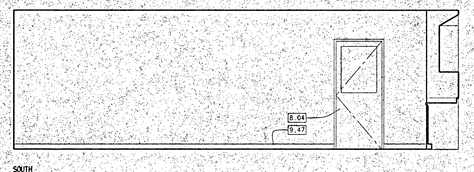

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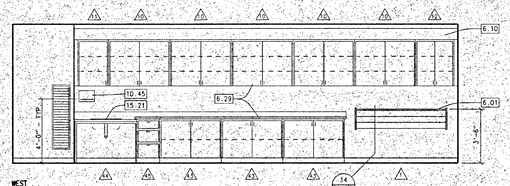

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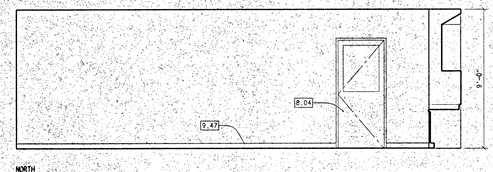

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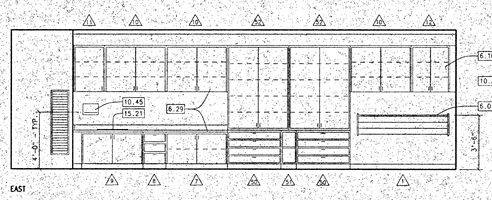

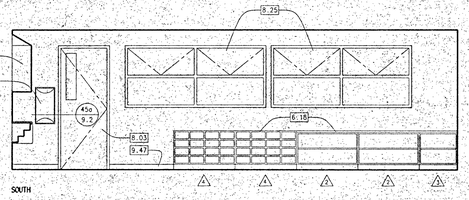

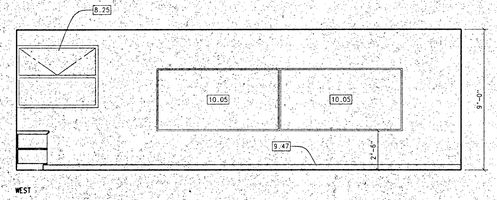

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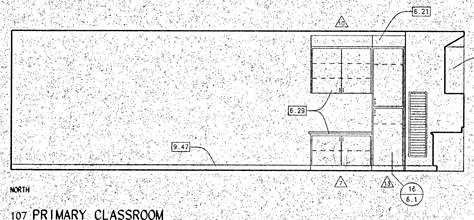

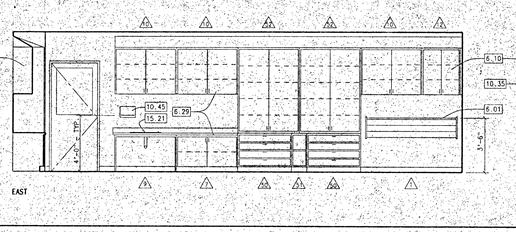

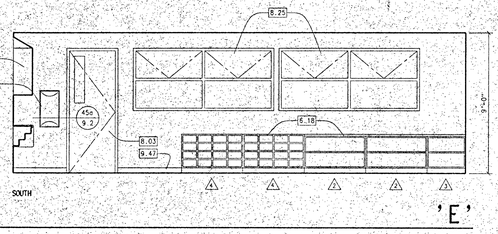

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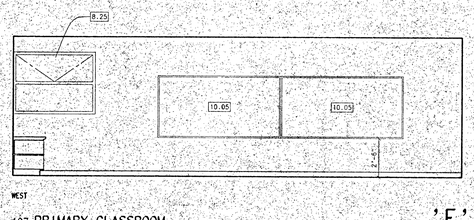

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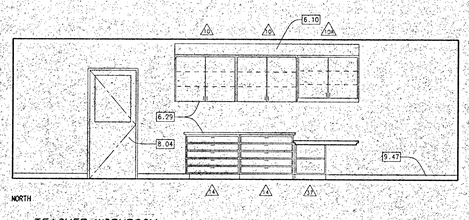
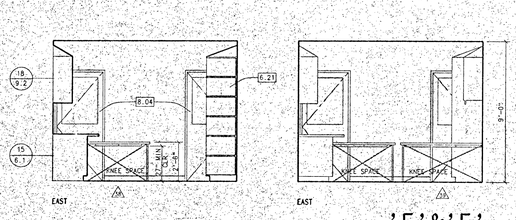


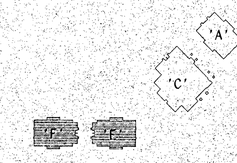


104 TEACHER WORKROOM 'E'&'F'

SEE A.27 FOR CONTINUATION

KEYNOTES:

6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
6.10	LAM. PLASTIC UPPER CABINET W/ SLOPING TOP	06400
6.18	LAM. PLASTIC BASE CABINET	06400
6.21	LAM. PLASTIC TALL STORAGE CABINET W/ SLOPING TOP	06400
6.29	LAM. PLASTIC BASE & UPPER CABINET W/ SLOPING TOP	06400
6.49	1-1/2" DIA. GROMMETED HOLE THRU COUNTERTOP FOR COMPUTER CABLE (VERIFY EXACT LOCATION)	06400
8.03	HOLLOW METAL DOOR & FRAME	08110
8.04	SOLID MASONITE DOOR W/ H.M. FRAME	08110
8.25	BRONZE ANODIZED ALUMINUM FRAMED WINDOW W/ PROJECTED TOP & FIXED BOTTOM SECTION, GLAZED W/ BRONZE TINT (NAIL IN)	08520
9.17	5/8" GYPSUM BOARD DRYWALL	09250
9.47	RUBBER TOPSET BASE (4" HIGH)	09650
9.57	VINYL WALLCOVERING	09550
9.59	PAINT	09900
10.01	TACKBOARD (4'x8')	10100
10.03	TACK WALL (1/2" THICK W/VINYL COVERING) OVER 1/2" GYPSUM BOARD (SEE NOTE #9, SHEET A 17)	10100
10.05	PORCELAIN ENAMEL CHALKBOARD (4'x8') (NO LINES)	10100
10.07	LIQUID CHALKBOARD (4' X 8')	10100
10.14	WALL MOUNTED SIGN (FRAMED)	10425
10.35	SEMI-RECESSED CABINET W/FIRE EXT.	10522
10.45	SURFACE MOUNTED PAPER TOWEL DISPENSER (Bobrick B-263)	10800
15.21	SINK	15400
15.55	MECHANICAL GRILLE	15800
16.43	FIRE ALARM HORN	16721



KEY PLAN

KLASSEN CORPORATION
Architecture
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2021 Westwind Drive
Bakersfield, CA 93301
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(805) 327-5933 Fax

LICENSED ARCHITECT
L. PHIL KLASSEN
C10401
EXP. 5-31-95
STATE OF CALIFORNIA

The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect and are not to be used in whole or part for any other project without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.
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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

Sheet title:
INTERMEDIATE, PRIMARY, & KINDERGARTEN
INTERIOR ELEVATIONS - 'E' & 'F'

Date:	Issued for:

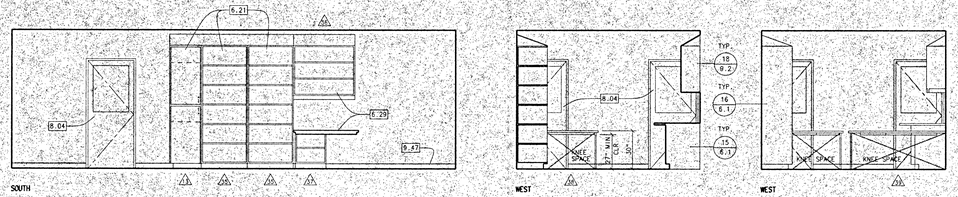
Date:	Revisions:

Drawn by: done
Job no: 1223
Dgn. file: mma26?d

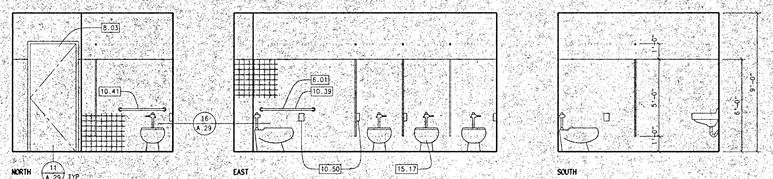
Sheet:
A.26
Sheet of: 30
Date: March 8, 1993

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
Reviewed for ... 4.91.2 ... MAR 11 93
Reviewed by: ...

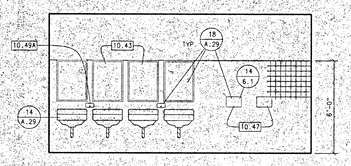
IDENTIFICATION NO. 1
Department of General Services
Office of the State Architect
EXEMPTION 1
MAR 11 1993
Structural Safety Section



104 TEACHER WORKROOM 'F'



108 GIRLS 'F'



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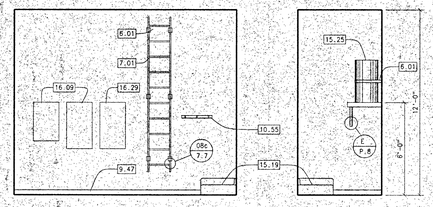
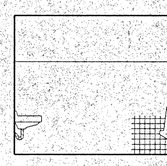
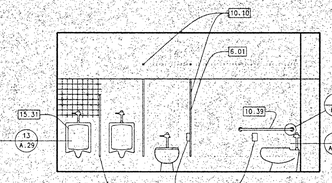
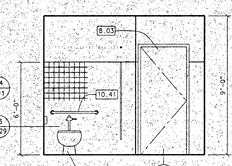


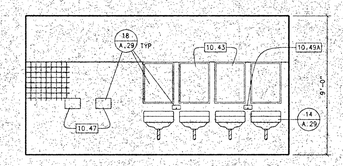
109 JANITOR/MECHANICAL 'F'

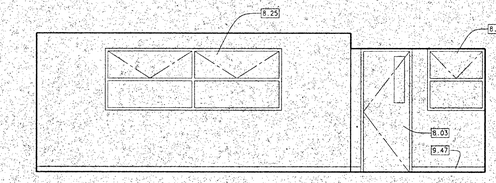


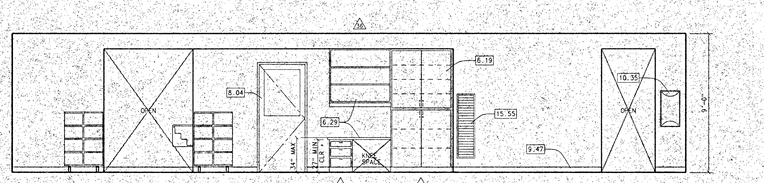




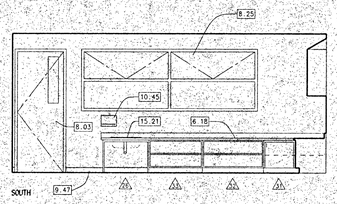
110 BOYS 'F'

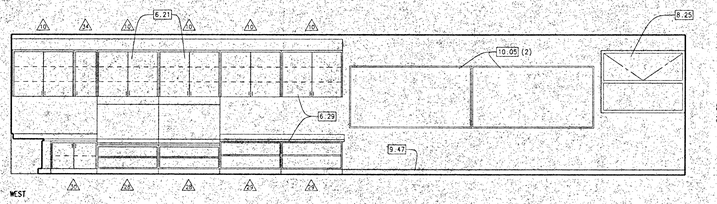


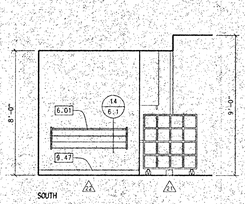




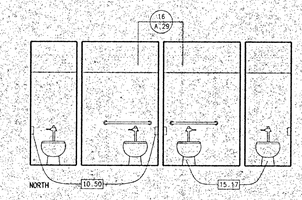
102 KINDERGARTEN CLASSROOM 'D'



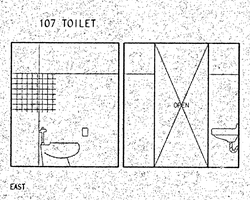




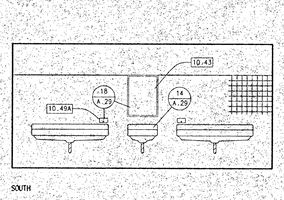
102 KINDERGARTEN CLASSROOM 'D'



104 – 107 TOILET



106 TOILET 103 RESTROOM



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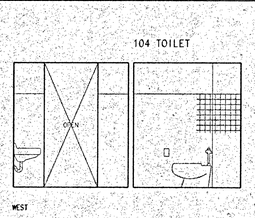
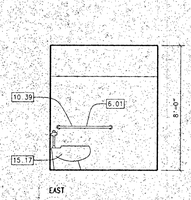


103 RESTROOM 105 TOILET



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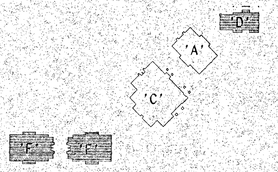

KEY PLAN

KEYNOTES:

01	NOT IN CONTRACT	00000
03	PROVIDED BY OWNER	00000
6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
6.10	LAM. PLASTIC UPPER CABINET	06400
6.12	LAMINATE PLASTIC WATER HEATER SHELF	06400
6.14	PORTABLE LAM. PLASTIC CABINET	06400
6.18	LAM. PLASTIC TALL STORAGE CABINET	06400
6.19	LAM. PLASTIC TALL STORAGE CABINET w/ SLOPING TOP	06400
6.21	LAM. PLASTIC TALL STORAGE CABINET w/ SLOPING TOP	06400
6.28	LAM. PLASTIC BASE & UPPER CABINET	06400
6.29	LAM. PLASTIC BASE & UPPER CABINET w/ SLOPING TOP	06400
6.49	1-1/2" DIA. GROMMETED HOLE THRU COUNTERTOP FOR COMPUTER CABLE (VERIFY EXACT LOCATION)	06400
7.01	ROOF ACCESS ALUM. LADDER	07700
8.03	HOLLOW METAL DOOR AND FRAME	08110
8.04	SOLID MASONITE DOOR w/ H.M. FRAME	08110
8.17	STAINLESS STEEL ACCESS DOOR 12" X 12"	08305
8.19	HOLLOW METAL ACCESS DOOR	08305
8.25	BRONZE ANODIZED ALUMINUM FRAMED WINDOW W/ PROJECTED TOP & FIXED BOTTOM SECTION. GLAZED w/ BRONZE TINT (NAIL IN)	08520
9.12	5/8" GYPSUM BOARD DRYWALL	09250
9.21	WATER RESISTANT BOARD TO 4'-0" HIGH	09250
8.33	TEMPERED GLASS	08800
8.34	WIRE GLASS	08800
9.25	WATER RESISTANT BOARD TO 6'-0" HIGH	09250
9.31	COVED CERAMIC TILE BASE	09300
9.33	THIN-SET CERAMIC WALL TILE OVER W.R. GYPSUM BOARD	09300
9.37	CERAMIC TILE ACCENT COLOR	09300
9.39	CERAMIC TILE ACCENT STRIPE	09300
9.47	RUBBER TOPSET BASE (4" HIGH)	09650
9.57	VINYL WALLCOVERING	09950
9.59	PAINT	09900
10.03	TACK WALL (1/2" THICK W/VINYL COVERING) OVER 1/2" GYPSUM BOARD	10100
10.05	LIQUID CHALKBOARD (4' X 12')	10100
10.09	BAKED ENAMEL - WALL-HUNG SCREEN (SEE ALT. BID ITEM #1)	10160
10.10	BAKED ENAMEL - FLOOR MOUNTED OVERHEAD BRACED PARTITIONS (SEE ALT. BID ITEM #1)	10160
10.14	WALL MOUNTED SIGN (FRAMED)	10425
10.35	SEMI-RECESSED CABINET W/FIRE EXT.	10522
10.39	GRAB BAR 42" L. (Bobrick B-6205)	10800
10.41	GRAB BAR 36" L. (Bobrick B-6205)	10800
10.43	1/4" PLATE GLASS MIRROR IN STAIN. STEEL FRAME (Bobrick B-290 Series)	10800
10.45	SURFACE MOUNTED PAPER TOWEL DISPENSER (Bobrick B-263)	10800
10.47	WARM AIR HAND DRYER (World Industries)	10800
10.49	SURFACE MOUNTED LIQUID SOAP DISPENSER (Bobrick B-112)	10800
10.49A	SURFACE MOUNTED POWDER SOAP DISPENSER (Bobrick B-175)	10800
10.50	SURFACE MOUNTED SHEET-TOILET PAPER DISPENSER (Bobrick B-272)	10800
10.55	MOP RACK (Bobrick B-223 36")	10800
15.17	TOILET	15450
15.19	JANITOR SINK	15400
15.21	SINK	15400
15.25	WATER HEATER	15400
15.31	URINAL	15400
15.55	MECHANICAL GRILLE	15800
16.09	ELECTRICAL PANEL	16100
16.13	TELEPHONE PANEL BOARD	16100
16.29	SIGNAL TERMINAL CABINET	16100

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LICENSED ARCHITECT PHIL KLASSEN RENEWAL 08/31/95 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL — BAKERSFIELD, CA.

Sheet title: INTERMEDIATE, PRIMARY, & KINDERGARTEN INTERIOR ELEVATIONS – 'D' & 'F'

Date:	Issued for:

Date:	Revisions:

Drawn by: done

Job no: 1223

Dgn. file: mm027.2d

Sheet: A.27

Sheet of: 30

Date: March 8, 1993

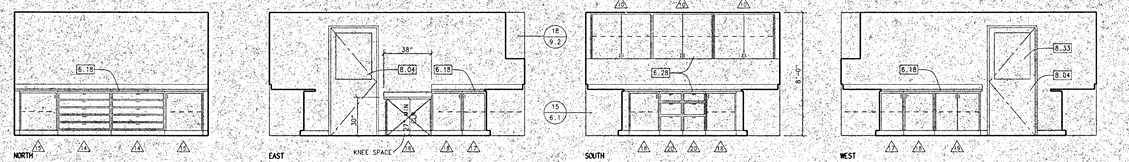
MAR 8 1993

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION

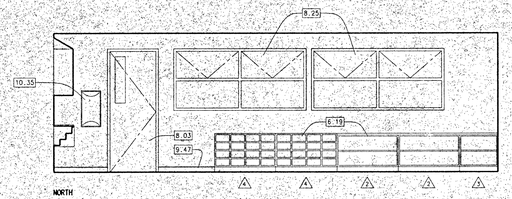
MAR 17 '93

Reviewed by

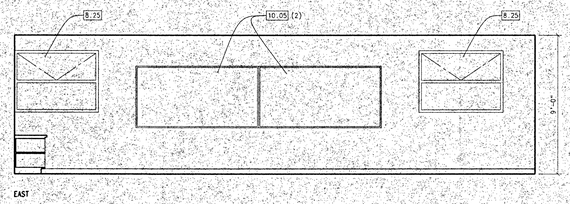
IDENTIFICATION OF PLANS
Department of General Services
Office of the State Architect
SECTION 1
MAR 11 1993
Structural Safety Section
Appl. No. 59162
Reviewed by

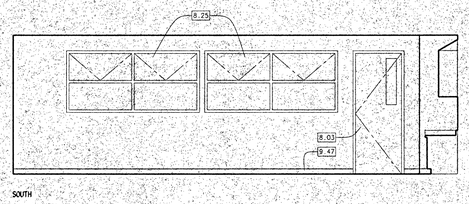


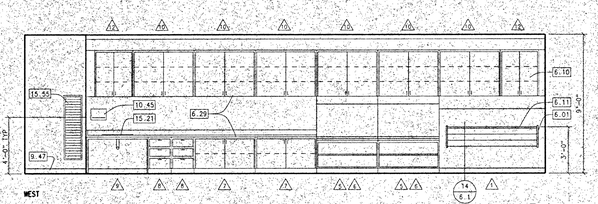
109 TEACHER WORKROOM 'D'



110 PRIMARY CLASSROOM 'D'







110 PRIMARY CLASSROOM 'D'

KEYNOTES:

6.01	PROVIDE SOLID BACKING IN WALL FOR WALL MOUNTED ACCESSORIES	06100
6.10	LAM. PLASTIC UPPER CAB w/ SLOPING TOP	06400
6.11	LAM. PLASTIC WALL MT'D. COAT RACK	06400
6.29	LAM. PLASTIC BASE & UPPER CABINET w/ SLOPING TOP	06400
8.03	HOLLOW METAL DOOR AND FRAME	08110
8.04	SOLID MASONITE DOOR w/ H.M. FRAME	08110
8.25	BRONZE ANODIZED ALUMINUM FRAMED WINDOW w/ PROJECTED TOP & FIXED BOTTOM SECTION. GLAZED w/ BRONZE TINT (NAIL IN)	08520
8.33	TEMPERED GLASS	08800
8.34	WIRE GLASS	08800
9.17	5/8" GYPSUM BOARD DRYWALL	09250
9.47	RUBBER TOPSET BASE (4" HIGH)	09650
9.57	VINYL WALLCOVERING	09950
9.59	PAINT	09900
10.03	TACK WALL (1/2" THICK w/ VINYL COVERING) OVER 1/2" GYPSUM BOARD	10100
10.05	PORCELAIN ENAMEL CHALKBOARD (4'x8') (NO LINES)	10100
10.14	WALL-MOUNTED SIGN (FRAMED)	10425
10.35	SEMI-RECESSED CABINET w/ FIRE EXT.	10522
10.45	SURFACE MOUNTED PAPER TOWEL DISPENSER (Bobrick, B-262)	10800
15.21	SINK	15400
15.55	MECHANICAL GRILLE	15800

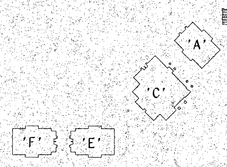
CABINET SCHEDULE

EQUIPMENT NO.	W.I.C. NO.	CABINET SIZE L H D	DESCRIPTION	EQUIPMENT NO.	W.I.C. NO.	CABINET SIZE L H D	DESCRIPTION
1	–	72" x 15" x 15"	COAT RACK & SHELF – (32) COAT HOOKS (IVES 581) STAGGERED	27	745	48" x 33" x 15"	WALL EASEL – VINYL TACK STRIP AT TOP EXPOSED TO VIEW SURFACES LAMINATED PLASTIC, PLASTIC TRAY
2	100	48" x 30" x 24"	OPEN BASE CABINET – (1) ADJUSTABLE SHELF	28	100	48" x 24" x 15"	OPEN BASE CABINET – (1) SHELF
3	100	30" x 30" x 24"	OPEN BASE CABINET – (1) ADJUSTABLE SHELF	29	100	48" x 27" x 15"	OPEN BASE CABINET – (1) ADJUSTABLE SHELF
4	170	48" x 30" x 15"	BASE CABINET – CUBICLE STORAGE (16) CUBICLES	30	102	36" x 27" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF
5	745	48" x 30" x 15"	WALL EASEL – VINYL TACK STRIP AT TOP EXPOSED TO VIEW SURFACES LAMINATED PLASTIC, PLASTIC TRAY	31	176	48" x 27" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF
6	100	48" x 27" x 15"	OPEN BASE CABINET – (1) ADJUSTABLE SHELF	32	100	48" x 27" x 24"	OPEN BASE CABINET – (1) ADJUSTABLE SHELF
7	102	48" x 30" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF	33	100	42" x 27" x 24"	OPEN BASE CABINET – (1) ADJUSTABLE SHELF
8	230	18" x 30" x 24"	BASE CABINET – (3) DRAWERS	34	302	18" x 36" x 15"	UPPER CABINET – (2) ADJUSTABLE SHELVES
9	156	48" x 30" x 24"	SINK BASE UNIT –	35	400	36" x 96" x 24"	OPEN TALL CABINET – (5) ADJUSTABLE SHELVES
10	302	48" x 36" x 15"	UPPER CABINET – (2) ADJUSTABLE SHELVES	36	300	48" x 42" x 15"	OPEN UPPER CABINET – (2) ADJUSTABLE SHELVES – RECESS FOR LIGHT VALANCE
10A	302	48" x 36" x 15"	UPPER CABINET – (2) ADJUSTABLE SHELVES, RECESS FOR LIGHT VALANCE	37	100	24" x 30" x 24"	OPEN BASE CABINET – (1) ADJUSTABLE SHELF
11	302	24" x 36" x 15"	UPPER CABINET – (2) ADJUSTABLE SHELVES	38	291	36" x 1" x 24"	MODIFIED TO BE PENCIL DRAWERS – (2) 1" H.
12	302	30" x 36" x 15"	UPPER CABINET – (2) ADJUSTABLE SHELVES	39	291	60" x 1" x 24"	MODIFIED TO BE PENCIL DRAWERS – (3) 1" H.
13	501	24" x 96" x 24"	TEACHER WARDROBE – (2) LOCKABLE DOORS, MIRROR, COAT HOOK, POLE, & SHELF	40	170	48" x 36" x 15"	BASE CABINET – CUBICLE STORAGE (16) CUBICLES
14	250	42" x 36" x 27"	(5) EQUAL DRAWERS – CLEAR INSIDE DRAWER DIMENSIONS 37" W x 25" D. DRAWER TO HAVE SIDES & BACK	41	100	48" x 36" x 24"	OPEN BASE CABINET – (1) ADJUSTABLE SHELF
15	102	30" x 36" x 27"	BASE CABINET – (1) ADJUSTABLE SHELF	42	100	30" x 36" x 24"	OPEN BASE CABINET – (1) ADJUSTABLE SHELF
16	160	36" x 30" x 30"	BASE CABINET – KNEE SPACE	43	102	48" x 36" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF
17	176	48" x 36" x 30"	CORNER UNIT – (1) ADJUSTABLE SHELF	44	156	48" x 34" x 24"	SINK BASE UNIT –
18	102	24" x 36" x 30"	BASE CABINET – (1) ADJUSTABLE SHELF	45	230	18" x 36" x 24"	BASE CABINET – (3) DRAWERS
19	102	36" x 36" x 30"	BASE CABINET – (1) ADJUSTABLE SHELF	46	102	36" x 36" x 24"	BASE CABINET – (1) ADJUSTABLE SHELF
20	230	18" x 36" x 24"	BASE CABINET – (3) DRAWERS	47	302	48" x 30" x 15"	UPPER CABINET – (2) ADJUSTABLE SHELVES
21	704	42" x 42" x 30"	MOBILE BASE CABINET – CUBICLE STORAGE (32) CUBICLES – (16) EACH SIDE	48	–	48" x 15" x 15"	COAT RACK & SHELF – (24) COAT HOOKS (IVES 581) STAGGERED
22	–	60" x 15" x 15"	COAT RACK & SHELF – (32) COAT HOOKS (IVES 581) STAGGERED	49	762	112" x 54" x 30"	STUDY CARRELS – COUNTER (+30") & UPPER SHELVES
23	402	48" x 96" x 24"	TALL CABINET – MODIFIED LOCKABLE FOR (4) DOORS – (5) ADJUSTABLE SHELVES	50	240	42" x 24" x 30"	(4) EQUAL DRAWERS – DRAWERS TO HAVE A BACK & SIDES
24	402	24" x 96" x 24"	TALL CABINET – MODIFIED FOR (2) DOORS – (5) ADJUSTABLE SHELVES	51	100	12" x 24" x 30"	OPEN BASE CAB. – (1) ADJUSTABLE SHELF
25	230	18" x 27" x 24"	BASE CABINET – (3) DRAWERS	52	441	48" x 24" x 66"	STORAGE CAB. – (4) ADJUSTABLE SHELVES
26	156	36" x 27" x 24"	SINK BASE UNIT	53	–	–	–

CABINET ANCHORAGE

VERTICAL EQAD REQUIREMENT REF.: TABLE NO.: 23-B
LATERL FORCE REQUIREMENT REF.: TABLE NO. 23-F

PROVIDE BRACING AND ANCHORAGE DETAILS FOR WALL-HUNG CABINETS AND FLOOR SUPPORTED STORAGE RACKS, CABINETS AND BOOK STACKS OVER FIVE FEET IN HEIGHT. DESIGN SUPPORTING PARTITIONS AND WALLS TO RESIST FORCES APPLIED BY CABINET ANCHORAGES.



KEY PLAN

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LICENSED ARCHITECT – WILL KLASSEN – C10401 – REN 1-31-95 – STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

Sheet titles:
KINDERGARTEN CLASSROOMS: INTERIOR 'D'
ELEVATIONS & CABINET SCHEDULES – 'D'

Date:	Issued for:

Date:	Revisions:

Drawn by: done
Job no: 1223
Dgn. file: mma28.2d

Sheet: A.28
Sheet of: 30
Date: March 8, 1993

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPROVED PER R.C.D. DATED
MAR 8 93
MAR 11 93
CONDITIONS NOTED ON APPROVED PLANS
Reviewed by

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
FOR ONLY
MAR 11 1993
Structural Safety Section
Appl. File No.
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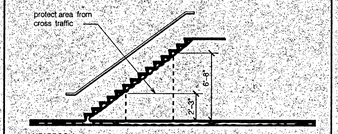
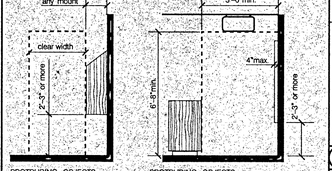
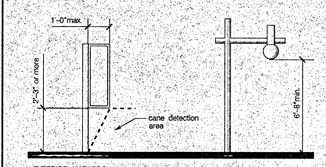
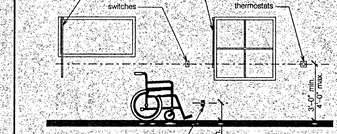






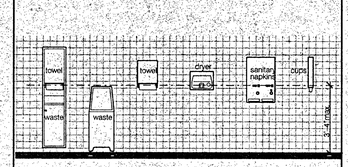
1. OVERHANG OBSTRUCTIONS ANY OBSTRUCTION THAT OVERHANGS A ROUTE BY WHICH A MAY PASS IS REQUIRED TO BE AT LEAST 80 INCHES ABOVE THE WALKING SURFACE AS MEASURED TO THE BOTTOM OF THE OBSTRUCTION.
2. PROTRUDING OBJECTS
   A. OBJECTS WITH THEIR LEADING EDGES BETWEEN 27 INCHES AND 80 INCHES FROM THE WALK CANNOT PROTRUDE MORE THAN 4 INCHES INTO WALKS OR BIDEWALKS.
   B. OBJECTS WITH THEIR LEADING EDGES WITHIN 27 INCHES OF THE WALK MAY PROTRUDE ANY DISTANCE BUT MAY NOT REDUCE CLEAR FLOOR SPACE OR MANEUVERING SPACE FOR A WHEELCHAIR.
   C. FREE STANDING OBJECTS ON POST OR PYLONS MAY OVERHANG 12 INCHES FROM 27 INCHES TO 80 INCHES ABOVE THE WALK.

21 HAZARDS



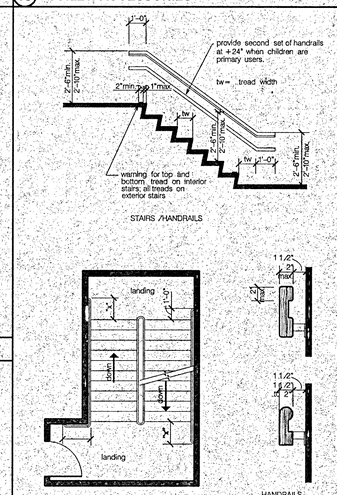
1. ITEMS SHOWN AND SIMILAR CONTROLS OF FREQUENT AND ESSENTIAL USE ARE TO BE CENTERED BETWEEN 36 INCHES AND 48 INCHES FROM THE FLOOR.
2. ELECTRICAL CONVENIENCE FLOOR OUTLETS AND BASEBOARD ELECTRICAL OUTLETS USED IN RELOCATABLE PARTITIONS OR WINDOW WALLS ARE NOT SUBJECT TO THE MINIMUM HEIGHT REQUIREMENTS.

17 CONTROL HEIGHTS



1. WHERE TOWEL SANITARY NAPKIN, AND WASTE RECEPTACLES AND SIMILAR DISPENSING AND DISPOSAL FIXTURES ARE PROVIDED, AT LEAST ONE OF EACH TYPE IS TO BE LOCATED WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, WITHIN 40 INCHES FROM THE FLOOR.
2. MOUNT MIRRORS WITH THE BOTTOM EDGE NO MORE THAN 40 INCHES FROM THE FLOOR.
3. LOCATE TOILET TISSUE DISPENSERS ON THE WALL WITHIN 12 INCHES OF THE FRONT EDGE OF THE TOILET SEAT.
4. LOCATE GRAB BARS ON EACH SIDE OR ONE SIDE AND ONE BACK OF TOILET AS SHOWN.
5. THE AIR SPACE BETWEEN WALLS AND GRAB BARS SHALL BE 1-1/2".
6. GRAB BARS SHALL NOT ROTATE.
7. GRAB BARS AND ANY SURFACE ADJACENT TO THEM CANNOT HAVE ANY SHARP OR ABRASIVE ELEMENTS. EDGES ARE TO HAVE A MINIMUM RADIUS OF 1/8".
8. GRAB BARS AND MOUNTING SHALL WITHSTAND 250 LBS. ENCL. 500 LBS. TOTAL WEIGHT./MODLE.
9. REFER TO RESTROOMS DIAGRAM #16 FOR GRAB BARS.

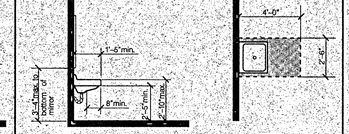
18 TOILET ACCESSORIES



"x" = extension of the handrail shall be equal to the tread width plus 12"

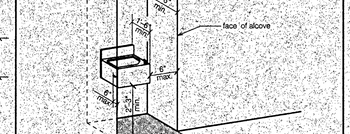
1. MARK APPROACH AND THE LOWER TREAD OF EACH FLIGHT OF EACH STAIR BY A STRIP 2" WIDE (AT EXTERIOR OF BUILDING, ALL TREADS SHALL BE MARKED WITH A 2" STRIP). PLACE STRIP PARALLEL TO AND NOT MORE THAN 1" FROM NOSE OF STEP AT LANDING TO ALERT THE VISUALLY IMPAIRED. THE STRIP IS REQUIRED TO BE OF MATERIALS AT LEAST AS SLIP-RESISTANT AS THE OTHER TREADS OF STAIRS AND ,TO BE OF A CLEARLY CONTRASTING COLOR. A PAINTED STRIP IS ACCEPTABLE ENTERIORS.
2. 80" VERTICAL CLEAR IS REQUIRED FOR HEADROOM IN WALKS, HALLS, CORRIDORS, PASSAGE-WAYS, AISLES AND OTHER CIRCULATION SPACES.
3. THE RUN OF EVERY STEP IS REQUIRED TO BE NO LESS THAN 10" AS MEASURED HORIZON-TALLY BETWEEN VERTICAL PLANES OF THE FURTHERMOST PROJECTION OF ADJACENT TREADS.
4. THE TREADS ARE REQUIRED TO BE SMOOTH, ROUNDED OR CHAMFERED WITHOUT ABRUPT EDGES AT THE LOWER FRONT EDGE OF NOSING WITH NOSING PROJECTING NO MORE THAN 1-1/2" PAST FACE OF RISER.
5. CLOSED RISERS SHALL BE SUFFICIENTLY SOLID TO PREVENT PASSAGE OF OBJECTS LARGER THAN 1/4" MAXIMUM DIMENSION.

19 STAIRS



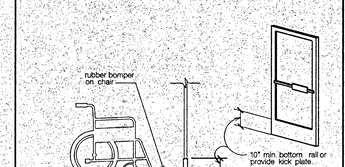
1. PROVIDE A CLEARANCE AS SHOWN. PROVIDE TOE CLEARANCE AT LEAST 30 INCHES WIDE, TOE 9 INCHES ABOVE THE FLOOR AND 17 INCHES DEEP FROM THE FRONT OF THE LAVATORY.
2. PROVIDE A CLEAR FLOOR SPACE 30 INCHES BY 48 INCHES IN FRONT OF THE LAVATORY. THE CLEAR SPACE MAY EXTEND INTO KNEE AND TOE SPACE UNDERNEATH THE LAVATORY.
3. INSULATE OR COVER HOT WATER AND DRAIN PIPES UNDER LAVATORIES. NO SHARP OR ABRASIVE SURFACES ARE ALLOWED UNDER LAVATORIES.
4. FAUCET CONTROLS AND OPERATING MECHANISMS ARE REQUIRED TO BE OPERABLE WITH ONE HAND AND CANNOT REQUIRE GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS IS NOT TO EXCEED 5 LBF. LEVER-OPERATED, PUSH-TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

14 LAVATORY



1. GRINKING FOUNTAINS (WATER FOUNTAINS) ARE TO BE LOCATED WITHIN ALCOVES OR POSITIONS SO AS NOT TO BE IN A CORRIDOR OR WALK. THE FOUNTAIN IS REQUIRED TO BE APPROACHED FROM THE FRONT. EXCEPTION: WHEN THE ENFORCING AGENCY ALLOWS AN UNREASONABLE HANDSHIP, DRINKING FOUNTAINS MAY BE LOCATED IN A PATH OF TRAVEL, BUT THEY MUST HAVE A TEXTURED AREA FOR 1 FOOT AROUND THE FOUNTAIN OR WING WALLS WILL BE REQUIRED ON EACH SIDE OF THE FOUNTAIN. THE TEXTURED SURFACE SHALL BE CLEARLY INDENTIFIABLE BY A BLIND PERSON USING A CANE.
   A. IT IS APPROPRIATE TO USE THIS ONLY OVER CONCRETE OR HARD SURFACES WHICH CAN BE GROOVED (SIMILAR TO CURB RAMPS), WITH 1/4 INCH GROOVES 1-1/2 INCHES ON CENTER.
   B. THE WING WALLS ARE REQUIRED TO BE WITHIN 8 INCHES OF THE FLOOR.
2. THE BUBBLER CAN BE ACTIVATED BY HAND-OPERATED LEVER, BY A PUSH BAR ALONG THE FRONT OF THE FOUNTAIN, OR BY ANOTHER APPROVED CONTROL EASILY OPERATED BY A HANDICAPPED PERSON. THE WATER STREAM IS TO BE PARALLEL TO THE FRONT EDGE OF THE FOUNTAIN.

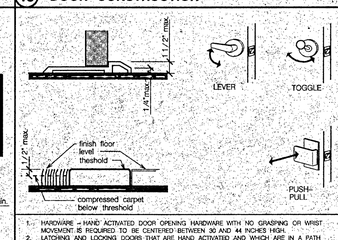
9 DRINKING FOUNTAIN



1. THE BOTTOM 10 INCHES OF DOORS, EXCEPT AUTOMATIC AND SLIDING DOORS, ARE REQUIRED TO HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.

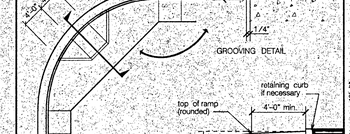
   EXCEPTION: THE STATE ARCHITECT HAS STATED THAT THIS REGULATION IS NOT INTENDED TO PREVENT THE USE OF "HERCULITE" TYPE GLASS DOORS.

10 DOOR CONSTRUCTION



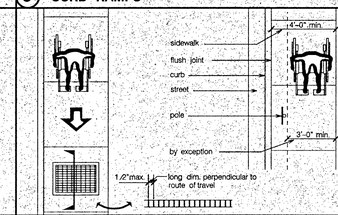
1. HARDWARE – HAND ACTIVATED DOOR OPENING HARDWARE WITH NO GRASPING OR WRIST MOVEMENT IS REQUIRED. TO BE CENTERED BETWEEN 30 AND 44 INCHES HIGH.
2. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL HAVE TO BE OPERABLE WITH A SINGLE EFFORT (LEVER, PUSH-PULLS, OR PANIC DEVICES).
3. LOCKED EXIT DOORS ARE REQUIRED TO OPERATE AS DESCRIBED ABOVE IN THE DIRECTION OF EGRESS WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE OR EFFORT.
4. THRESHOLDS ARE REQUIRED TO BE NO MORE THAN 1/2 INCH HIGH. BEVEL OR SLOPE THE EXPOSED EDGE AT AN ANGLE NOT EXCEEDING 45 DEGREES SO THAT NO SINGLE VERTICAL CHANGE OF ELEVATION EXCEEDS 1/4 INCH.
5. CLOSURE PRESSURE TO BE 8 LB MAXIMUM ON INTERIOR DOORS, 8.5 LB ON EXTERIOR DOORS AND 15 LB. ON FIRE DOORS.

11 DOOR THRESHOLD, HARDWARE & CLOSERS



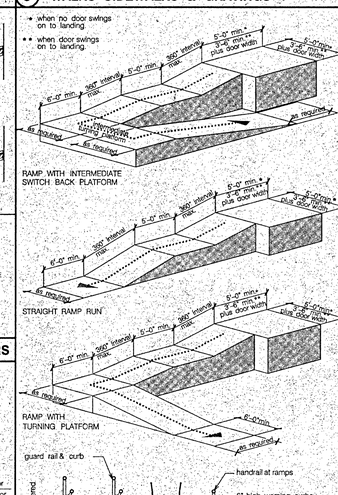
1. CURB RAMPS ARE REQUIRED ANYWHERE A PEDESTRIANS PATH OF TRAVEL CROSSES A CURB, INCLUDING EACH CORNER OF STREET INTERSECTIONS.
2. CURB RAMPS MAY BE CONSTRUCTED EITHER BY LOWERING AN AREA AT SIDEWALK OR BY BUILDING UP THE SURFACE FROM FACE OF CURB INTO STREET.
3. CURB RAMP SURFACES, INCLUDING SLOPING SIDES, ARE REQUIRED TO BE SLIP RESISTANT AND TO HAVE CONTRASTING FINISH FROM ADJACENT SIDEWALK.
4. CONTACT PUBLIC WORKS DEPARTMENT PRIOR TO INSTALLATION OF CURB RAMP.
5. CURB RAMPS SHALL BE MINIMUM OF FOUR FEET IN WIDTH AND SHALL LIE, GENERALLY, IN A SINGLE SLOPED PLANE, WITH A MINIMUM OF SURFACE WARPING AND CROSS SLOPE.
6. A LEVEL LANDING FOUR FEET DEEP SHALL BE PROVIDED AT THE UPPER END OF EACH CURB RAMP OVER ITS FULL WIDTH TO PERMIT SAFE EGRESS FROM THE RAMP SURFACE, OR THE SLOPE OF THE FANNED OR FLARED SIDES OF THE CURB RAMP SHALL NOT EXCEED ONE VERTICAL TO 12 HORIZONTAL.
7. ALL CURB RAMPS SHALL HAVE A GROOVED BORDER 12" WIDE AT THE LEVEL SURFACE OF THE SIDEWALK ALONG THE TOP AND EACH SIDE APPROXIMATELY 3/4" ON CENTER.

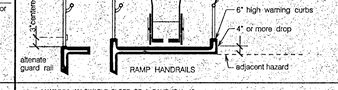
5 CURB RAMPS



1. ACCESSIBILITY – PRIVATE WALKS AND SIDEWALKS ARE REQUIRED TO BE ACCESSIBLE IF THEY LEAD TO BUILDINGS AND FACILITIES REQUIRED TO BE ACCESSIBLE.
2. CHANGES IN LEVEL
   A. ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH ARE NOT ALLOWED.
   B. CHANGES IN LEVEL NOT EXCEEDING 1/4 INCH MAY BE VERTICAL.
   C. CHANGES 1/4 TO 1/2 INCH HIGH ARE REQUIRED TO BE BEVELED WITH A SLOPE NO GREATER THAN 1 VERTICAL TO 2 HORIZONTAL.
   D. CHANGES IN LEVELS EXCEEDING 1/2 INCH MUST COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS.
3. SURFACES
   - SLIP-RESISTANT (WITH MEDIUM SALT FINISH) – SLOPE OF LESS THAN 6%.
   - SLIP-RESISTANT – SLOPE OF GREATER THAN 6%.
4. CROSS SLOPES – 1/4" PER FOOT MAXIMUM. EXCEPTION: 1/2" PER FOOT ALLOWED IF THE ENFORCING AGENCY GRANTS UNREASONABLE HARDSHIP.
5. GRATINGS – GRID OPENINGS 1/2" OR LESS IN DIRECTION OF TRAFFIC FLOW.
6. WARNING CURBS – REFER TO RAMP NOTE #6.

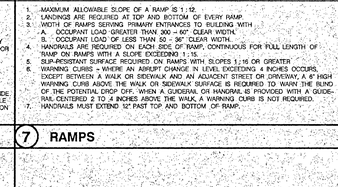
6 WALKS SIDEWALKS & GRATINGS





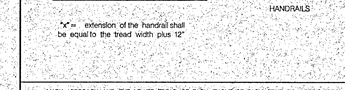
1. MAXIMUM ALLOWABLE SLOPE OF A RAMP IS 1 : 12.
2. LANDINGS ARE REQUIRED AT TOP AND BOTTOM OF EVERY RAMP.
3. WIDTH OF RAMPS SERVING PRIMARY ENTRANCES TO BUILDING WITH
   A. OCCUPANT LOAD GREATER THAN 300 – 44" CLEAR WIDTH.
   B. OCCUPANT LOAD OF LESS THAN 50 – 36" CLEAR WIDTH.
4. HANDRAILS ARE REQUIRED ON EACH SIDE OF RAMP, CONTINUOUS FOR FULL LENGTH OF RAMP OR RAMPS WITH A SLOPE EXCEEDING 1 : 15.
5. SLIP-RESISTANT SURFACE REQUIRED ON RAMPS WITH SLOPES 1 : 15 OR GREATER.
6. WARNING CURBS – WHERE AN ABRUPT CHANGE IN LEVEL EXCEEDING 4 INCHES OCCURS, EXCEPT BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY, A 6" HIGH WARNING CURB ABOVE THE WALK OR SIDEWALK SURFACE IS REQUIRED TO WARN THE BLIND OF THE POTENTIAL DROP OFF. WHEN A GUIDERAIL OR HANDRAIL IS PROVIDED WITH A GUIDE-RAIL CENTERED 2 TO 4 INCHES ABOVE THE WALK, A WARNING CURB IS NOT REQUIRED.
7. HANDRAILS MUST EXTEND 12" PAST TOP AND BOTTOM OF RAMP.

7 RAMPS



1. FLUSH CONTROLS TO BE HAND-OPERATED, MEET THE SAME REQUIREMENTS AS THE FLUSH CONTROLS FOR THE WATER CLOSET AND ARE TO BE NO MORE THAN 44 INCHES ABOVE THE FLOOR.
2. FLUSH CONTROLS SHALL BE OPERATED BY OSCILLATING HANDLE WITH ≤ 5 LBF. MAX. OPERATING FORCE.

13 URINALS

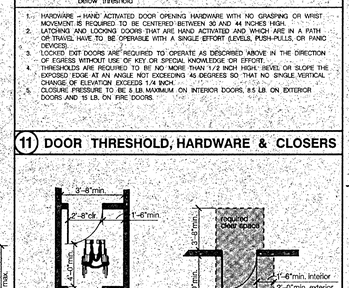


1. SUFFICIENT SPACE IS REQUIRED IN TOILET ROOM FOR A WHEELCHAIR MEASURING 30" WIDE BY 48" LONG TO ENTER ROOM AND PERMIT DOOR TO CLOSE.
2. WHEN THE DOOR IS LOCATED IN CORRIDOR SIDEWALL AND SWINGS INTO CORRIDOR, MINIMUM WIDTH OF CORRIDOR SHALL BE 60", UNLESS OTHER STATE OR LOCAL BUILDING CODES ALLOW LESSER CORRIDOR WIDTH.
3. FLUSH CONTROL SHALL BE LOCATED TO MINIMIZE EXCESSIVE BODY MOVEMENT AND SHALL BE AN OSCILLATING HANDLE WITH MAXIMUM 5 LBF. OPERATING FORCE, ELECTRIC OPERATION OR APPROVED EQUAL. FLUSH CONTROL SHALL BE LOCATED AT OPEN SIDE OF STALL.

COMPARTMENT (SIDE & FRONT ENTRANCES.

1. CLOSER – EQUIP THE DOOR INTO THE STALL WITH AUTO CLOSING DEVICE.
2. CLEARANCE – PROVIDE 44" WIDE CLEAR PATH TO STALL AND A 48" SPACE IN FRONT OF COMPARTMENT DOOR, MEASURED AT RIGHT ANGLES TO DOOR.
3. TURNING CIRCLE – PROVIDE A SPACE 60" IN DIAMETER AND 27" HIGH OR 56" x 63" WITH 12" MAXIMUM INTRUSION BY DOOR.

16 RESTROOMS



1. DOUBLE DOOR WIDTH SHALL BE 3'-0" NOMINAL OPENING (ACTIVE LEAF).
2. A LIFA AREA IS DEFINED AS A SURFACE WHICH DOES NOT SLOPE MORE THAN 1:/4" IN 1 FOOT IN ANY DIRECTION

   EXCEPTIONS:
   A. R-3 OCCUPANCIES (DWELLINGS AND BOARDING HOUSES) WITH IN INDIVIDUAL UNITS OF R-1 OCCUPANCIES (MOTELS, APARTMENT HOUSES, CONVENTS AND MONASTERIES) A DOOR MAY ON A TOP STEP ON A FLIGHT OF STAIRS OR ON AN EXTERIOR LANDING, PROVIDED THE DOOR DOES NOT SWING OVER THE TOP STEP OR ON AN EXTERIOR LANDING AND THE LANDING IS NOT MORE THAN 7 1/2 INCHES BELOW THE FLOOR LEVEL.
   B. R-3 OCCUPANCIES SCREEN DOORS AND STORM DOORS MAY SWING OVER STAIRS OR STEPS.
   C. R-3 OCCUPANCIES, PRIVATE GARAGES & SHEDS WHERE A DOOR OPENS OVER A LANDING, THE LANDING IS REQUIRED TO HAVE A LENGTH EQUAL TO THE WIDTH OF THE DOOR.
3. IN A VESTIBULE, (THE SPACE BETWEEN TWO CONSECUTIVE DOORS) IT IS REQUIRED TO PROVIDE A MINIMUM OF 48 INCHES OF CLEAR SPACE FROM ANY DOOR SWING INTO THE VESTIBULE WHEN THE DOOR IS OPEN. DOORS IN A SERIES SHALL SWING EITHER IN THE SAME DIRECTION OR AWAY FROM THE SPACE BETWEEN THE DOORS. THIS REQUIREMENT DOES NOT APPLY TO A REQUIRED EXIT STAIRWAY.

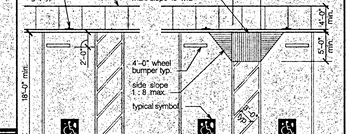
12 DOOR CLEARANCES

1. FLUSH CONTROLS TO BE HAND-OPERATED, MEET THE SAME REQUIREMENTS AS THE FLUSH CONTROLS FOR THE WATER CLOSET AND ARE TO BE NO MORE THAN 44 INCHES ABOVE THE FLOOR.
2. FLUSH CONTROLS SHALL BE OPERATED BY OSCILLATING HANDLE WITH ≤ 5 LBF. MAX. OPERATING FORCE.

8 TELEPHONES

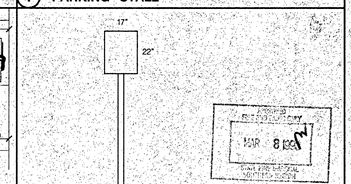
1. APPROACH – A CLEAR SPACE 30" BY 48" THAT ALLOWS EITHER A FORWARD OR A PARALLEL APPROACH TO THE TELEPHONE IS REQUIRED. THE CLEAR SPACE SHOWN MAY INCLUDE KNEE SPACE UNDER TELEPHONE ENCLOSURES, ONE SIDE OF THE CLEAR SPACE SHALL ADJOIN ANOTHER CLEAR FLOOR SPACE OF AT LEAST THE SAME SIZE. IF THE TELEPHONE IS LOCATED IN AN ALCOVE, MORE THAN 24" DEEP AND THE FRONT APPROACH IS DESIGNED, THE 30" WIDE SPACE IS REQUIRED TO HAVE AN ADDITIONAL 6" ON ONE SIDE. IF THE SIDE APPROACH IS DESIGNED AND THE ALCOVE IS MORE THAN 15" DEEP, THE 48" WIDE SPACE IS REQUIRED TO HAVE AN ADDITIONAL 12" ON ONE SIDE.
2. FLOORS – FLOORS ARE REQUIRED TO BE LEVEL AND SLIP RESISTANT AT TELEPHONES.
3. ENCLOSURES – WHEN PROVIDED, ENCLOSURES ARE TO MEET THE FOLLOWING REQUIREMENTS:
   A. SIDE APPROACH – DIMENSIONS AS SHOWN.
   B. FORWARD APPROACH – IF THE OVERHANG IS GREATER THAN 12", THE CLEAR WIDTH SHALL BE 30". IF THE CLEAR WIDTH IS LESS THAN 30" THE LOWEST OVERHANGING PART SHALL BE AT LEAST 27" FROM THE FLOOR.
   C. FULL HEIGHT ENCLOSURES – ENTRANCES SHALL BE 30" WIDE.
   D. PROTRUSIONS – WHERE ENCLOSURES PROTRUDE INTO HALLS, CORRIDORS, OR AISLES, THEY CANNOT REDUCE THE CLEAR WIDTH OF THE ACCESSIBLE PATH OR MANEUVERING SPACE. IF THEY PROTRUDE MORE THAN 4", LEADING EDGES ARE TO BE AT OR BELOW 27" FROM THE FLOOR SO THEY CAN BE DETECTED BY A BLIND PERSON'S CANE.
4. SPECIAL REQUIREMENTS – THE CORD FROM THE TELEPHONE TO THE HANDSET IS TO BE AT LEAST 29" LONG. TELEPHONE BOOKS, IF PROVIDED, SHOULD BE LOCATED SO THEY CAN BE USED BY A PERSON IN A WHEELCHAIR, BUT THE REQUIREMENT IS NOT INCLUDED IN THE REGULATIONS. WHERE AVAILABLE, PUSH-BUTTON CONTROLS ARE TO BE PROVIDED. AT LEAST ON TELEPHONE, OR AT LEAST ONE TELEPHONE PER BANK OF TELEPHONES, IS REQUIRED TO BE EQUIPPED WITH A VOLUME CONTROL. EQUIP TELEPHONES WITH A RECEIVER THAT GENERATES A MAGNETIC FIELD IN THE AREA OF THE RECEIVER CAP.

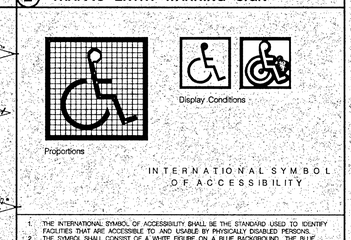
2 TRAFFIC ENTRY WARNING SIGN



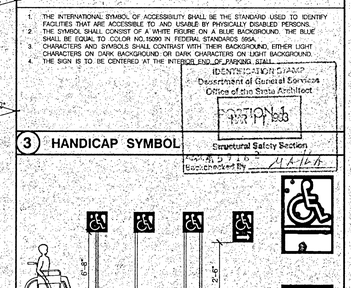
1. HANDICAPPED SPACE MUST PERMIT USE OF EITHER CAR DOOR.
2. BUMPERS ARE REQUIRED WHEN NO CURB OR BARRIER IS PROVIDED WHICH WILL PREVENT ENCROACHMENT OF CARS OVER REQUIRED WIDTH OF WALKWAY.
3. SPACES SHALL BE LOCATED SO THAT A HANDICAPPED PERSON / PEOPLE ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKED CARS OTHER THAN THEIR OWN.
4. SURFACE SLOPES OF PARKING AREAS FOR THE DISABLED SHOULD BE MINIMAL BUT ARE REQUIRED NOT TO EXCEED 1/4" PER FOOT IN ANY DIRECTION.
5. RAMPS SHALL NOT ENCROACH INTO ANY PARKING SPACE.
6. HANDICAPPED SPACE SHALL BE NEAR PRIMARY ACCESSIBLE ENTRANCE OF BUILDING.
7. REFER TO HANDICAPPED PARKING SIGNS FOR REQUIRED SIGNAGE.
8. THE SURFACE OF EACH PARKING SPACE FOR THE DISABLED IS REQUIRED TO HAVE A 3 - FOOT SQUARE INTERNATIONAL SYMBOL OF ACCESSIBILITY STENCIL PAINTED BLUE.

1 PARKING STALL

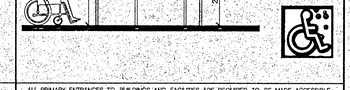




1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS.
2. THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595A.
3. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON DARK BACKGROUND OR DARK CHARACTERS ON LIGHT BACKGROUND.
4. THE SIGN IS TO BE CENTERED AT THE INTERIOR END OF PARKING STALL.



3 HANDICAP SYMBOL

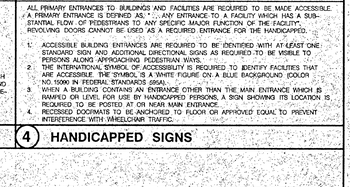


1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS.
2. THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595A.

ALL PRIMARY ENTRANCES TO BUILDINGS AND FACILITIES ARE REQUIRED TO BE MADE ACCESSIBLE. A PRIMARY ENTRANCE IS DEFINED AS " . . . ANY ENTRANCE TO A FACILITY WHICH HAS A SUB-STANTIAL FLOW OF PEDESTRIANS TO ANY SPECIFIC MAJOR FUNCTION OF THE FACILITY". REVOLVING DOORS CANNOT BE USED AS A REQUIRED ENTRANCE FOR THE HANDICAPPED.

1. ACCESSIBLE BUILDING ENTRANCES ARE REQUIRED TO BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN AND ADDITIONAL DIRECTIONAL SIGNS AS REQUIRED TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS.
2. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IS REQUIRED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE. THE SYMBOL IS A WHITE FIGURE ON A BLUE BACKGROUND (COLOR NO. 15090 IN FEDERAL STANDARDS 595A).
3. WHEN A BUILDING CONTAINS AN ENTRANCE OTHER THAN THE MAIN ENTRANCE WHICH IS INTENDED FOR LEVEL USE BY HANDICAPPED PERSONS, A SIGN SHOWING ITS LOCATION IS REQUIRED TO BE POSTED AT OR NEAR MAIN ENTRANCE.
4. RECESSED DOORMATS TO BE ANCHORED TO FLOOR OR APPROVED EQUAL TO PREVENT INTERFERENCE WITH WHEELCHAIR TRAFFIC.

4 HANDICAPPED SIGNS



   C. FULL HEIGHT ENCLOSURES – ENTRANCES SHALL BE 30" WIDE.
   D. PROTRUSIONS – WHERE ENCLOSURES PROTRUDE INTO HALLS, CORRIDORS, OR AISLES, THEY CANNOT REDUCE THE CLEAR WIDTH OF THE ACCESSIBLE PATH OR MANEUVERING SPACE. IF THEY PROTRUDE MORE THAN 4", LEADING EDGES ARE TO BE AT OR BELOW 27" FROM THE FLOOR SO THEY CAN BE DETECTED BY A BLIND PERSON'S CANE.
4. SPECIAL REQUIREMENTS – THE CORD FROM THE TELEPHONE TO THE HANDSET IS TO BE AT LEAST 29" LONG. TELEPHONE BOOKS, IF PROVIDED, SHOULD BE LOCATED SO THEY CAN BE USED BY A PERSON IN A WHEELCHAIR, BUT THE REQUIREMENT IS NOT INCLUDED IN THE REGULATIONS. WHERE AVAILABLE, PUSH-BUTTON CONTROLS ARE TO BE PROVIDED. AT LEAST ON TELEPHONE, OR AT LEAST ONE TELEPHONE PER BANK OF TELEPHONES, IS REQUIRED TO BE EQUIPPED WITH A VOLUME CONTROL. EQUIP TELEPHONES WITH A RECEIVER THAT GENERATES A MAGNETIC FIELD IN THE AREA OF THE RECEIVER CAP.

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
Application No. 7 or 93-0
5 9 1 3 2
MAR 11 93
Approval does not imply conformance to codes or other provisions of construction.
Reviewed by

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LICENSED ARCHITECT
C-17,401
REG. 1-31-95
STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

Sheet title: HANDICAP DETAIL SHEET

Date:	Issued for:

Date:	Revisions:

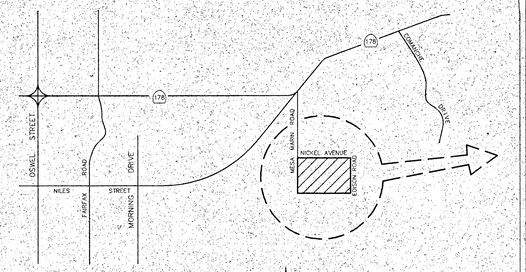
Drawn by: 'L.A.'
Job no: 1223
Dgn. file: 1223hc01.dgn
Sheet: A.29
Sheet of: 30
Date: March 8, 1993
Printed: 06-MAR-1993

GENERAL GRADING NOTES

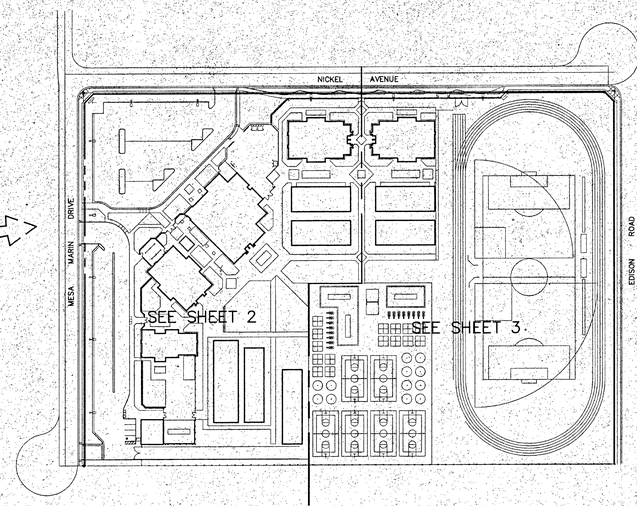
1. ALL GRADING AND SITE PREPARATION SHALL CONFORM TO THIS PLAN AND SHALL CONFORM WITH CHAPTER 70 UNIFORM BUILDING CODE AND STANDARDS PERTAINING THERETO AND THE GEOTECHNICAL INVESTIGATION PREPARED BY KERN TESTING AND INSPECTION CORPORATION DATED NOVEMBER 16, 1992, AND UPDATED FEBRUARY 9, 1993, AND SHALL BE MADE A PART HEREON.
2. ALL DESIGN ELEVATIONS SHOWN ARE TO FINISH GRADE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING THE PAD AND PAVING AREAS TO WITHIN 0.1 FOOT OF SUBGRADE. IF SUCH AREAS SHOULD BE FOUND TO BE MORE THAN 0.1 FOOT FROM THE DESIGN SUBGRADE ELEVATION AFTER COMPLETION OF GRADING, THE CONTRACTOR SHALL RETURN AND CORRECT THE GRADING AT NO COST TO THE OWNER.
4. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS BEFORE START OF CONSTRUCTION. A PERMIT SHALL BE OBTAINED FROM THE CITY OF BAKERSFIELD FOR ANY WORK TO BE PERFORMED IN THE CITY RIGHT-OF-WAY.
5. UPON COMPLETION OF GRADING AND BEFORE THE START OF CONSTRUCTION, A FINAL SOILS REPORT COVERING THE SITE PREPARATION AND GRADING SHALL BE SUBMITTED TO THE ENGINEER AND BUILDING DEPARTMENT BY THE SOILS ENGINEER.
6. IF A PROBLEM OR CONFLICT SHOULD ARISE DURING THE COURSE OF THIS PROJECT, IT IS THE RESPONSIBILITY OF THE OWNER OR THE GRADING CONTRACTOR TO NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO ANY FURTHER WORK.
7. ALL GRADING WORK SHALL BE SUPERVISED AS "ENGINEERED GRADING" IN ACCORDANCE WITH CHAPTER 70 OF UNIFORM BUILDING CODE. THE DESIGN ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING AND CONSTRUCTION TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND CODE WITHIN HIS PURVIEW.
8. DUST CONTROL:
   IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREVENT A DUST NUISANCE FROM ORIGINATING FROM THE SITE OF WORK AS A RESULT OF HIS OPERATIONS DURING THE EFFECTIVE PERIOD OF THIS CONTRACT. PREVENTATIVE MEASURES TO BE TAKEN BY THE CONTRACTOR SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
   A. WATER SHALL BE APPLIED TO ALL UNPAVED AREAS AS REQUIRED TO PREVENT THE SURFACES FROM BECOMING DRY ENOUGH TO PERMIT DUST FORMATION.
   B. PAVED SURFACES OVER WHICH VEHICULAR TRAFFIC IS PERMITTED TO TRAVEL SHALL BE KEPT FREE OF DIRT.
9. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO BEGINNING OF ANY WORK. CALL U.S.A. NUMBER PRIOR TO ANY CONSTRUCTION OR EXCAVATION.
10. THE SOIL ENGINEER SHALL PROVIDE SUFFICIENT INSPECTIONS DURING THE PREPARATION OF THE NATURAL GROUND AND THE PLACEMENT AND COMPACTION OF THE FILL TO BE SATISFIED THAT THE WORK IS BEING PERFORMED IN ACCORDANCE WITH THE PLAN AND APPLICABLE CODE REQUIREMENTS.
11. EXISTING UNDERGROUND LINES HAVE BEEN SHOWN ON THIS PLAN ACCORDING TO AVAILABLE RECORDS. THE ENGINEER IS NOT RESPONSIBLE FOR POSSIBLE ERRORS OR OMISSIONS AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
12. DURING GRADING, REASONABLE SEARCHING SHOULD BE PERFORMED FOR CONCEALED SUBSURFACE OBSTRUCTIONS. ALL ABANDONED SUBSURFACE OBSTRUCTIONS SHOULD BE REMOVED. IF THE TERMINUS OF ANY ABANDONED PIPING IS OUTSIDE THE PROJECT LIMITS, THE PIPING SHOULD BE REMOVED WITHIN THE PROJECT AND PROPERLY CAPPED AT THE PROJECT BOUNDARY.
13. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
14. THE STAKING AND MARKING OF THE PROJECT SHALL BE DONE ONLY ONCE BY THE OWNER AND ALL RESTAKING OR REMARKING SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
15. ALL ONSITE OR OFFSITE OBSTRUCTIONS SHALL BE REMOVED BY CONTRACTOR AT CONTRACTOR'S EXPENSE.
16. ANY EXISTING IMPROVEMENT OR UTILITY REMOVED, DAMAGED OR UNDERCUT BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER AND APPROVED BY THE COUNTY OF KERN AT THE CONTRACTOR'S EXPENSE.
17. ALL CUT AND FILL SLOPES SHALL NOT BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
18. SITE PREPARATION AND GRADING SHALL BE DONE UNDER THE SUPERVISION OF THE SOILS ENGINEER. THE SOILS ENGINEER, DESIGN ENGINEER, AND BUILDING OFFICIAL SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO PLACING OF ANY FILL MATERIAL.
19. THE SITE SHALL BE CLEARED AND GRUBBED OF ALL VEGETATION, INCLUDING ROOTS. LOOSE FILL, TRASH, AND OTHER DELETERIOUS MATERIALS. ANY HOLE OR VOIDS LEFT AFTER THE REMOVAL OF TREES, ROOTS, SEPTIC TANKS, ABANDONED FOUNDATIONS, PIPELINES OR THE LIKE, SHALL BE FILLED AS REQUIRED BY THE SOILS ENGINEER.
20. FILL MATERIAL SHALL BE SUBJECT TO THE SOILS ENGINEER'S APPROVAL.
21. ALL FILL SLOPES SHALL NOT TOE OUT WITHIN 12 FEET HORIZONTALLY OF THE TOP OF EXISTING OR PLANNED CUT SLOPES.
22. THE CUT AND FILL QUANTITIES ARE CALCULATED USING A COMPACTING FACTOR OF 1.3. THE ENGINEER MAKES NO WARRANTEE EITHER DIRECT OR IMPLIED THAT THIS WILL BE THE ACTUAL COMPACTION FACTOR. IF A DEFICIENCY OR AN EXCESS OF SOIL ARISES, THE GRADING CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER, WHO SHALL DETERMINE IF ADJUSTMENTS CAN BE MADE TO IMPROVE THE BALANCE BETWEEN CUT AND FILL.
23. THE CUT AND FILL QUANTITIES SHOWN ON THIS PLAN ARE FOR PERMIT PURPOSES ONLY. THE CONTRACTOR SHALL, AFTER EXAMINING THE PLAN, SOILS REPORT AND THE SITE TERRAIN, PREPARE HIS BID PRICE FOR THE PROJECT, BASED ON HIS OWN EARTHWORK CALCULATIONS.
24. EXPORT MATERIAL SHALL BE DISPOSED OF AT AN APPROVED SITE COORDINATED WITH THE INSPECTOR AT THE TIME OF GRADING.
25. SEE ARCHITECT'S DETAIL SHEET FOR DETAILS NOT SHOWN ON THIS SHEET. ALSO SEE ARCHITECT'S SITE PLAN FOR DIMENSIONS NOT SHOWN ON THIS PLAN.
26. IF THE CONTRACTOR IS IN DOUBT AS TO THE MEANING OF ANY PART OF THE PLAN AND SPECIFICATIONS OR FINDS DISCREPANCIES IN OR OMISSIONS FROM THE DRAWINGS, HE SHALL SUBMIT A WRITTEN REQUEST FOR AN INTERPRETATION OR A CORRECTION THEREOF, PRIOR TO FILING HIS BID PRICE FOR THE PROJECT.
27. THE CONTRACTOR SHALL COORDINATE WITH THE INSPECTOR AND THE ENGINEER THE LOCATION OF THE BORROW AREAS PRIOR TO BEGINNING CONSTRUCTION.
28. IN THE EVENT CONSTRUCTION STAKING BASED ON CONSULTANT'S PLANS, DRAWINGS OR OTHER DOCUMENTS IS ACCOMPLISHED BY OTHER THAN THE CONSULTANT, CLIENT AGREES TO HOLD CONSULTANT HARMLESS AND RELEASE CONSULTANT FROM ALL LIABILITY ARISING FROM THE USE OF SAID PLANS, DRAWINGS OR OTHER DOCUMENTS.
29. ANY TRENCHING TO BE DONE WITHIN THE PROJECT SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE CITY STANDARD DETAIL S-39.
30. SURFACE DRAINAGE SHALL BE 1% MINIMUM, EXCEPT AS WAIVED BY THE BUILDING OFFICIAL.
31. IT IS THE RESPONSIBILITY OF THE DEVELOPER AND HIS GRADING CONTRACTOR TO (A) FAMILIARIZE THEMSELVES WITH THE FOREGOING RECOMMENDATIONS, (B) NOTIFY THE ENGINEER WHEN SITE PREPARATION BEGINS AND BEFORE THE PLACEMENT OF FILLS, AND (C) INFORM THE ENGINEER IF ITEMS WHICH MIGHT EFFECT FOUNDATION STABILITY ARE ENCOUNTERED DURING EARTHWORK OPERATIONS SO THAT THEY MAY BE TREATED UNDER HIS DIRECTION (THESE MIGHT INCLUDE BURIED TRASH OR VEGETATION, PIPELINES, ABANDONED WELLS, OLD FILLS, ETC.)
32. FLOODING, JETTING, OR SIMILAR CONSOLIDATION METHODS OF COMPACTION SHOULD NOT BE PERMITTED.
33. ANY ABANDONED WELLS ON THE PROPERTY DISCOVERED DURING GRADING SHALL BE ADEQUATELY CAPPED IN ACCORDANCE WITH ALL APPLICABLE CITY, COUNTY AND STATE ORDINANCES.
34. A BERM OR DRAINAGE SWALE SHALL BE CONSTRUCTED ALONG THE TOP OF ALL CUT AND FILL SLOPES TO PREVENT RUNOFF FROM GOING OVER THE SLOPE. THE FACE OF ALL CUT AND FILL SLOPES SHALL BE PLANTED WITH A GROUND COVER INDIGENOUS TO THE AREA.
35. UNLESS OTHERWISE SPECIFIED IN THE SOILS REPORT, GROUND SURFACES TO RECEIVE CONCRETE DRIVEWAYS AND BITUMINOUS PAVEMENTS SHOULD BE SCARIFIED AND COMPACTED TO A MINIMUM DEPTH OF TWELVE INCHES (12") BELOW THE EXISTING GROUND SURFACE IN AREAS TO BE FILLED.

    COMPACTING IN PROPOSED PAVEMENT AREAS SHOULD BE TO A MINIMUM OF NINETY-FIVE PERCENT (95%) OF THE MAXIMUM DENSITY AS OBTAINED BY ASTM TEST METHOD D1557-78, METHOD A, AND SHOULD EXTEND TO A MINIMUM DISTANCE OF TWO FEET (2') BEYOND THE OUTSIDE EDGES OF PAVEMENTS.
36. ALL AREAS ON THE SITE ON WHICH STRUCTURES ARE TO BE PLACED MUST BE COMPACTED TO NINETY PERCENT (90%) DENSITY FOR A MINIMUM DISTANCE OF FIVE FEET (5') BEYOND THE OUTSIDE EDGES OF THE FOUNDATIONS OF THE STRUCTURES.

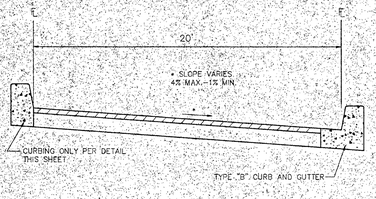
    THE DEPTH OF OVEREXCAVATION AND COMPACTION SHALL BE AS SPECIFIED IN THE SOILS REPORT. THE BOTTOM SURFACE SHALL BE SCARIFIED TO A DEPTH OF SIX INCHES (6") AND RECOMPACTED TO AT LEAST NINETY PERCENT (90%) OF MAXIMUM DRY DENSITY.
37. ALL FILL AREAS TO BE CLEARED OF ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FOR A STRUCTURAL FILL AND THE AREA SCARIFIED TO A DEPTH OF 6".
38. FILL AREAS SLOPING STEEPER THAN 2:1 SHALL BE KEYED AND BENCHED TO SUPPORT FILL.
39. FILL MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 6" IN COMPACTED THICKNESS AND COMPACTED AT OPTIMUM MOISTURE CONTENT BY APPROVED METHOD.
40. ALL FILL TO BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY AS DETERMINED BY U.B.C. STANDARD NO. 70-1 AND SO CERTIFIED BY TESTS AND REPORTS FROM SOILS ENGINEER.
41. ALL SLOPES IN EXCESS OF 3 FEET IN VERTICAL HEIGHT TO BE PREPARED AND MAINTAINED TO CONTROL AGAINST EROSION.
42. DIVERTER TERRACES (SWALES) WITH 3 FEET MINIMUM WIDTH AND 1 FOOT MINIMUM DEPTH REQUIRED AT TOP OF CUT SLOPS WHEN EXISTING TERRAIN SLOPES TOWARD TOP OF CUT.
43. ALL FOUNDATIONS TO GO THROUGH FILL INTO NATURAL GROUND UNLESS OTHERWISE NOTED.
44. UNAUTHORIZED CHANGES AND USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ANY AND ALL CHANGES TO THESE PLANS MUST BE APPROVED BY PORTER-ROBERTSON ENGINEERING.



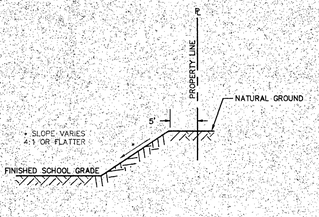
VICINITY MAP
N.T.S.



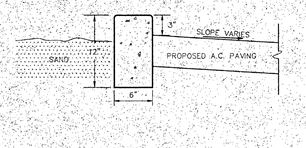
KEY MAP
SCALE: 1"= 100'



SECTION
N.T.S.

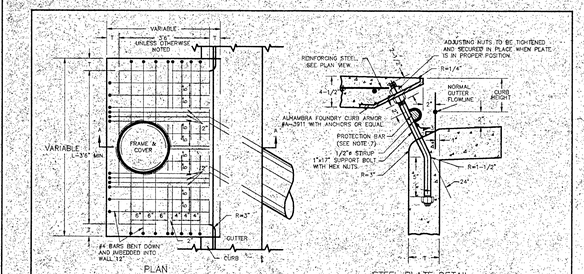


SECTION
N.T.S.



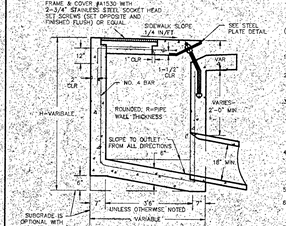
SECTION
N.T.S.

TYPICAL SECTIONS



PLAN

STEEL PLATE DETAIL



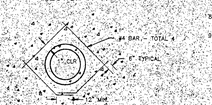
SECTION A-A

GENERAL NOTES:

1. ALL CONCRETE SHALL BE CLASS "A" AND SHALL BE WITHIN 2-1/2" TO 3-1/2" SLUMP.
2. SLAB TO BE POURED MONOLITHIC WITH SIDEWALK WHERE SIDEWALK IS CONSTRUCTED OR REPLACED. SURFACES OF ALL EXPOSED CONCRETE SHALL MATCH SLOPE, FINISH, COLOR AND SCORING OF ADJACENT CONCRETE.
3. WALL THICKNESS "T"=6" EXCEPT WHEN H>8 FEET T=8" L>50 FEET T=8"

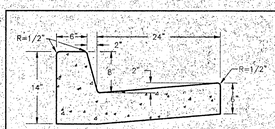
   CATCH BASIN WALLS SHALL BE INCREASED BY 2" MINIMUM IN THICKNESS IF POURED AGAINST EARTH IN LIEU OF OUTSIDE FACE FORMS.
4. WALL REINFORCING NOT REQUIRED WHEN H=8', OR LESS AND L=2' OR LESS. WALLS EXCEEDING THESE LIMITS SHALL BE REINFORCED WITH NO. 4 BARS AT 18" O.C. BOTH WAYS. ALL REINFORCING SHALL BE NO. 4 BARS 1-1/2" CLEAR OF INSIDE FACE UNLESS OTHERWISE SHOWN.
5. ALL EXPOSED METAL PARTS SHALL BE GALVANIZED AFTER FABRICATION.
6. SUPPORT BOLTS SHALL BE INSTALLED WHEN LENGTH OF OPENING EXCEEDS 2'-0", AND SHALL BE SPACED AT NOT MORE THAN 2'-0" O.C. AND NOT LESS THAN 3'-0" O.C.
7. * WHEN CURB OPENING EXCEEDS 5'-1/2", A PLAIN ROUND STEEL PROTECTION BAR 1" IN DIAMETER SHALL BE INSTALLED. BAR SHALL BE EMBEDDED 6" AT EACH END.
8. PIPE SHALL BE AT SPECIFIED OR AS DIRECTED BY THE ENGINEER. THE ANGULAR CUT ON THE PIPE SHALL BE MADE AS DIRECTED BY THE PIPE ENGINEER.
9. ALL WORK SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE SPECIFICATIONS ENTITLED "STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION", CURRENT EDITION.

* REVISED 9/22/82



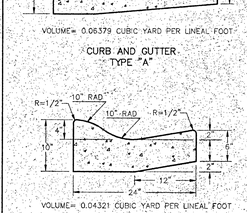
REINFORCING AROUND PIPE

STANDARD CATCH BASIN TYPE "A"	N.T.S.
CITY OF BAKERSFIELD CALIFORNIA ENGINEERING DEPARTMENT	S-12



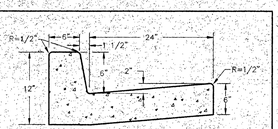
VOLUME= 0.06379 CUBIC YARD PER LINEAL FOOT

CURB AND GUTTER TYPE "A"



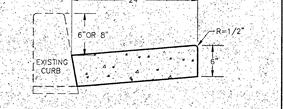
VOLUME= 0.04321 CUBIC YARD PER LINEAL FOOT

CURB AND GUTTER TYPE "C" ROLL-TOP



VOLUME= 0.05903 CUSIC YARD PER LINEAL FOOT

CURB AND GUTTER TYPE "B"



VOLUME= 0.03487 CUBIC YARD PER LINEAL FOOT.

GUTTER

ALL WORK SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE "STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION", CURRENT EDITION AND THE FOLLOWING GENERAL NOTES:

SUBGRADE PREPARATION FOR TYPE "A", "B", & "C" CURBS AND GUTTERS SHALL BE CONSTRUCTED TRUE TO GRADE AND CROSS SECTION WITH COMPACTION OF 90% TO A DEPTH OF 0.50 FT. BELOW SUBGRADE.

CONCRETE FOR CURB AND GUTTER SHALL BE CLASS "B" (5 SACK) AND SHALL BE WITHIN 2 1/2" TO 5 1/2" SLUMP.

TIMBER FORMS SHALL BE SURFACED ON THE SIDE PLACED NEXT TO THE CONCRETE AND SHALL NOT BE LESS THAN 1-1/2" THICK AFTER BEING SURFACED.

TOP AND FACE SHALL BE TROWELED SMOOTH, THEN GIVEN A FINAL FINE BRUSH FINISH.

WHERE EXISTING CURBS AND GUTTERS ARE TO BE REPLACED, NEW CONSTRUCTION SHALL MATCH EXISTING CONSTRUCTION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

CONCRETE SHALL CONTAIN NO ADDITIVES UNLESS PRIOR APPROVAL IS OBTAINED FROM THE CITY ENGINEER.

CONCRETE SHALL BE CURED WITH A WHITE PIGMENTED CURING COMPOUND COMPLYING TO SECTION 90-7.01B OF THE STANDARD SPECIFICATIONS.

EXISTING SECTIONS OF CURB AND GUTTER SHALL BE SAWCUT AT THE LIMITS OF THE AREA TO BE RECONSTRUCTED.

WEAKENED PLANE JOINTS OR COLD JOINTS SHALL BE CONSTRUCTED AT 15 FOOT INTERVALS. EXPANSION JOINTS SHALL BE AT EACH SIDE OF STRUCTURES AND AT ENDS OF CURB RETURNS.

TYPE "A" CURB AND GUTTER IS REQUIRED IN ALL STREETS WHERE NECESSARY FOR DRAINAGE.

TYPE "B" CURB AND GUTTER IS REQUIRED IN ALL STREETS EXCEPT WHERE TYPE "A" OR "C" IS REQUIRED OR PERMITTED.

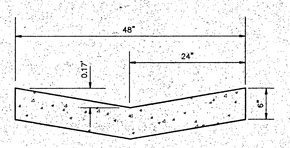
TYPE "C" CURB AND GUTTER IS PERMITTED ONLY IN MOBILE HOME PARKS, MOBILE HOME SUBDIVISIONS AND R-S-2 1/2 A (RESIDENTIAL SUBURBAN TWO-AND-ONE-HALF ACRE MINIMUM LOT SIZE) ZONE.

PERMIT FOR CURB AND GUTTER CONSTRUCTION SHALL ACCOMPANY ACTUAL WORK AND MAY BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS.

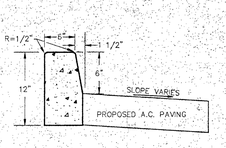
BUILDER FOR NEW, REMODELED OR EXPANDED BUILDINGS AS SET FORTH IN CHAPTER 12.40, SECTION 12.40.010 OF THE BAKERSFIELD MUNICIPAL CODE SHALL PROVIDE CONCRETE CURBS AND GUTTERS ACCORDING TO THIS STANDARD DRAWING. SUCH CURBS AND GUTTERS SHALL BE IN EXISTENCE OR HAVE THEIR CONSTRUCTION GUARANTEED BY CASH, CERTIFIED CHECK, OR CORPORATE SURETY BOND APPROVED BY THE CITY ATTORNEY AS A CONDITION TO FINAL APPROVAL AND ACCEPTANCE BY THE CHIEF BUILDING INSPECTOR FOR OCCUPANCY TO ANY BUILDING OR PROPERTY.

WHEN CONSTRUCTING NEW CURB AND GUTTER THE EXISTING PAVEMENT SHALL BE SAWCUT A MINIMUM OF 2 FT. FROM THE LIP OF GUTTER. WHEN REPLACING CURB AND GUTTER THE ENGINEER MAY APPROVE SAWCUTTING ALONG THE LIP OF EXISTING GUTTER IN LIEU OF REPLACING A MINIMUM OF 2 FT. OF PAVEMENT.

STANDARD CURB AND GUTTER TYPES "A","B", & "C"	N.T.S.
CITY OF BAKERSFIELD CALIFORNIA ENGINEERING DEPARTMENT	S-1



48" "V" GUTTER
NO SCALE



TYPICAL CURB DETAIL
NO SCALE

TYPICAL DRAIN BOX DETAILS
(OR APPROVED EQUAL)

LICENSED ARCHITECT — L. PINKERTON — No. C 13646 — REN. 11-30-95 — STATE OF CALIFORNIA

PROFESSIONAL ENGINEER — KENNETH D. PORTER — No. C 13646 — REGISTERED CIVIL ENGINEER — STATE OF CALIFORNIA

DEPUTY — Department of Public Works — Structural Safety Section

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPROVED PER W.B.R. 4902
MAR 1 93
Approval of these plans does not imply responsibility for any deviation from requirements of Title 24

BENCH MARK

U.S.G.S. NO.: V 292 - BRASS CAP IN CONCRETE PAD 14.5' NORTHWEST OF STREET SIGN AND 51.5' FROM CENTERLINE OF HIGHWAY 178 AT HIGHWAY 178 AND LENE PLACE.

ELEVATION= 783.74 (PER C.O.B.)

QUANTITIES

APPROXIMATE TOTAL CUT: C.Y.

APPROXIMATE TOTAL FILL: C.Y.

NOTE: EARTH QUANTITIES ARE FOR PERMIT PURPOSES ONLY AND ARE NOT TO BE USED FOR BIDDING PURPOSES. QUANTITIES DO NOT INCLUDE OVER-EXCAVATION IN BUILDING AREAS.

CONTRACTOR SHALL DISPOSE OF EXCESS MATERIAL AT A COMMERCIAL SITE OR OBTAIN BUILDING DEPARTMENT APPROVAL FOR DISPOSAL ON PRIVATE PROPERTY.

BAKERSFIELD CITY SCHOOL DISTRICT

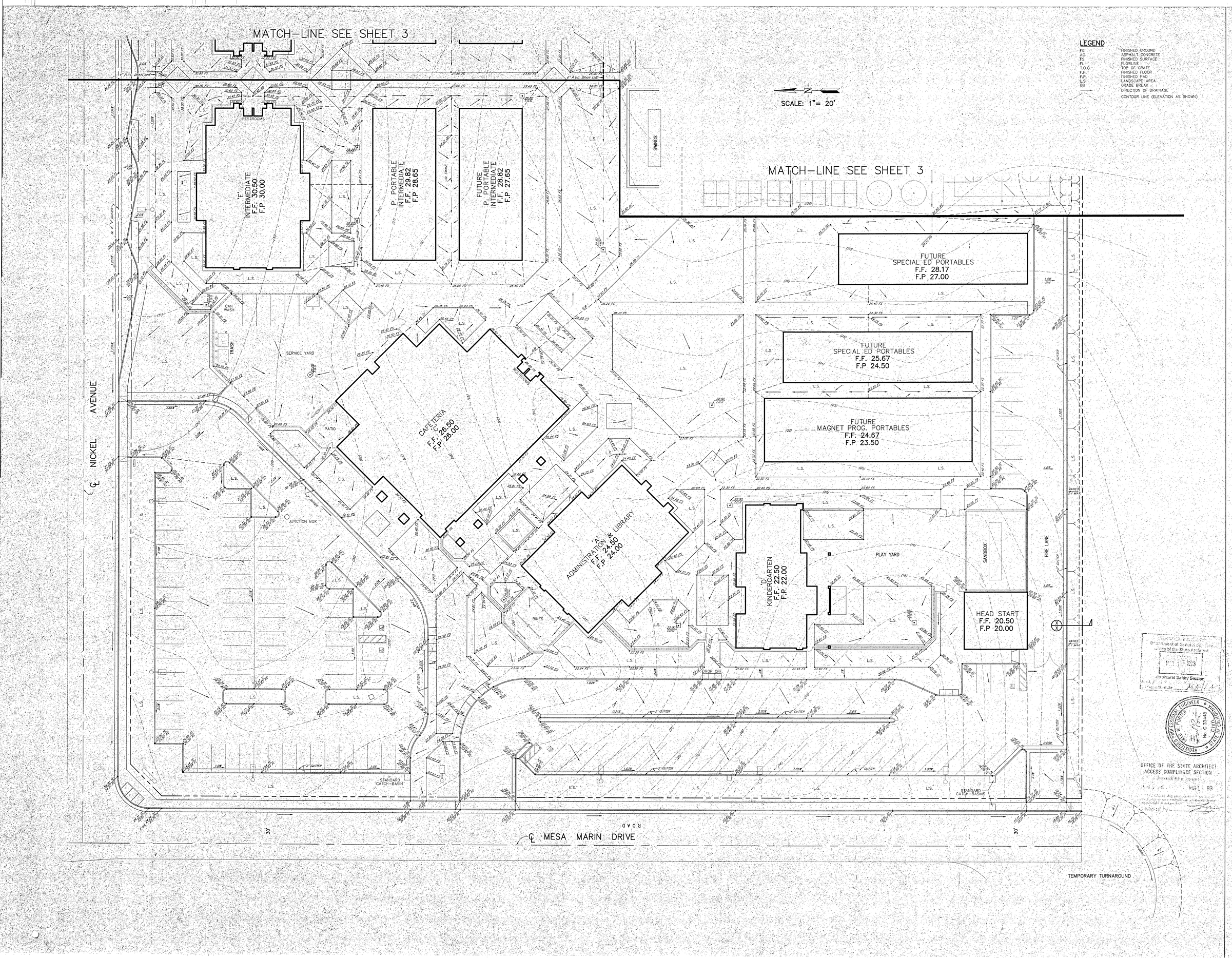
MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

GRADING PLAN

12/8/92	BOARD APPROVAL
	DONE
	1223

C.1



OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.
Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

MESA MARIN ELEMENTARY SCHOOL
KERN CANYON ROAD
BAKERSFIELD, CA

Sheet title: ?

PR PORTER · ROBERTSON
ENGINEERING + SURVEYING
1200 - 21ST. STREET
BAKERSFIELD, CA. 93301
805 / 327-0352
FAX 805 / 327-1065
FRED W. PORTER RCE 33448 EXP.6/30/94

REVISIONS	DATE

Date:	Issued for:
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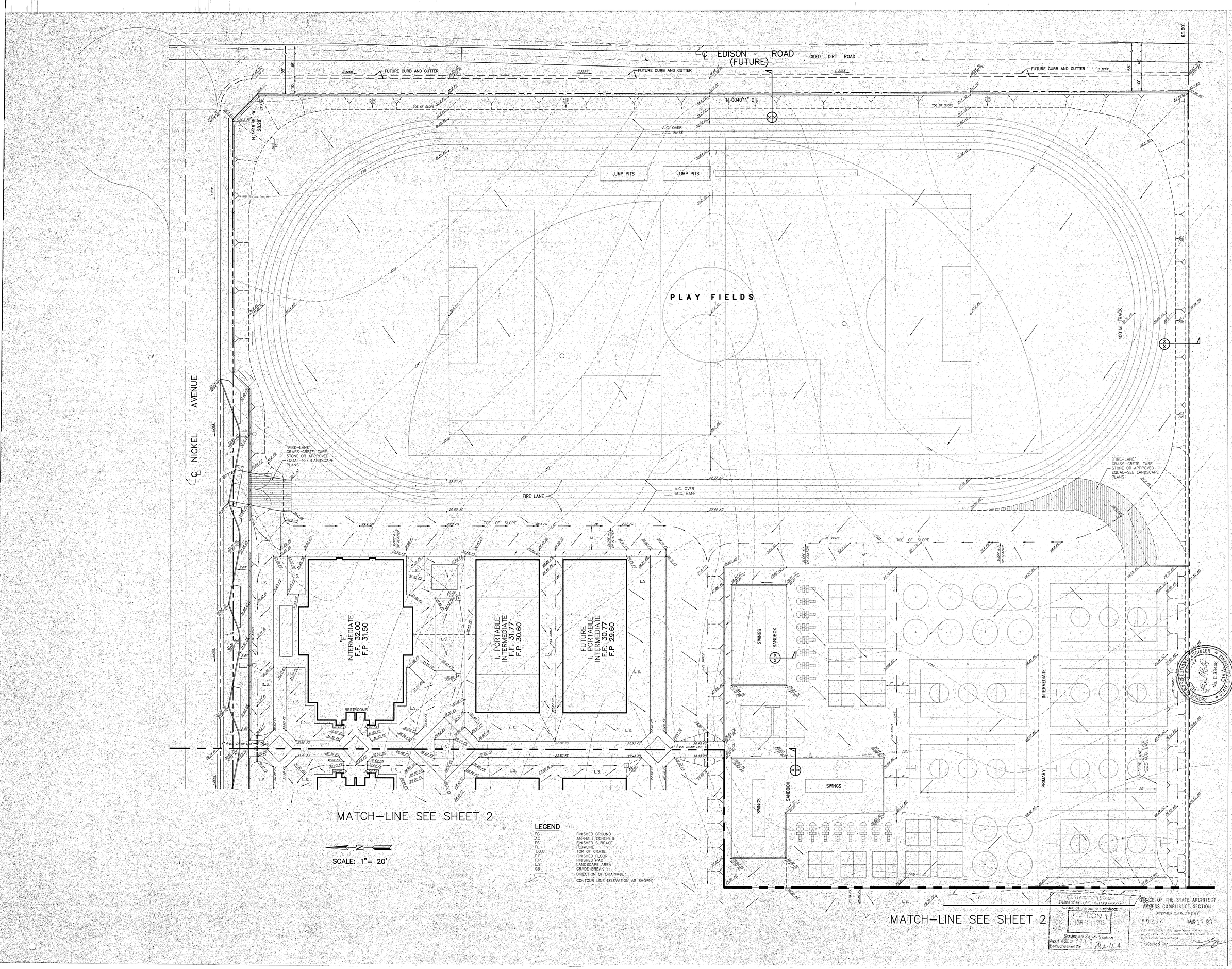
Date:	Revisions:

Drawn by: ?
Job no: ?
Dgn. file: ?
Sheet: C.2
Sheet of:
Date: ?



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LICENSED ARCHITECT L. PAUL KLASSEN C10491 REG. 1-31-94 STATE OF CALIFORNIA

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Date:	Issued for:
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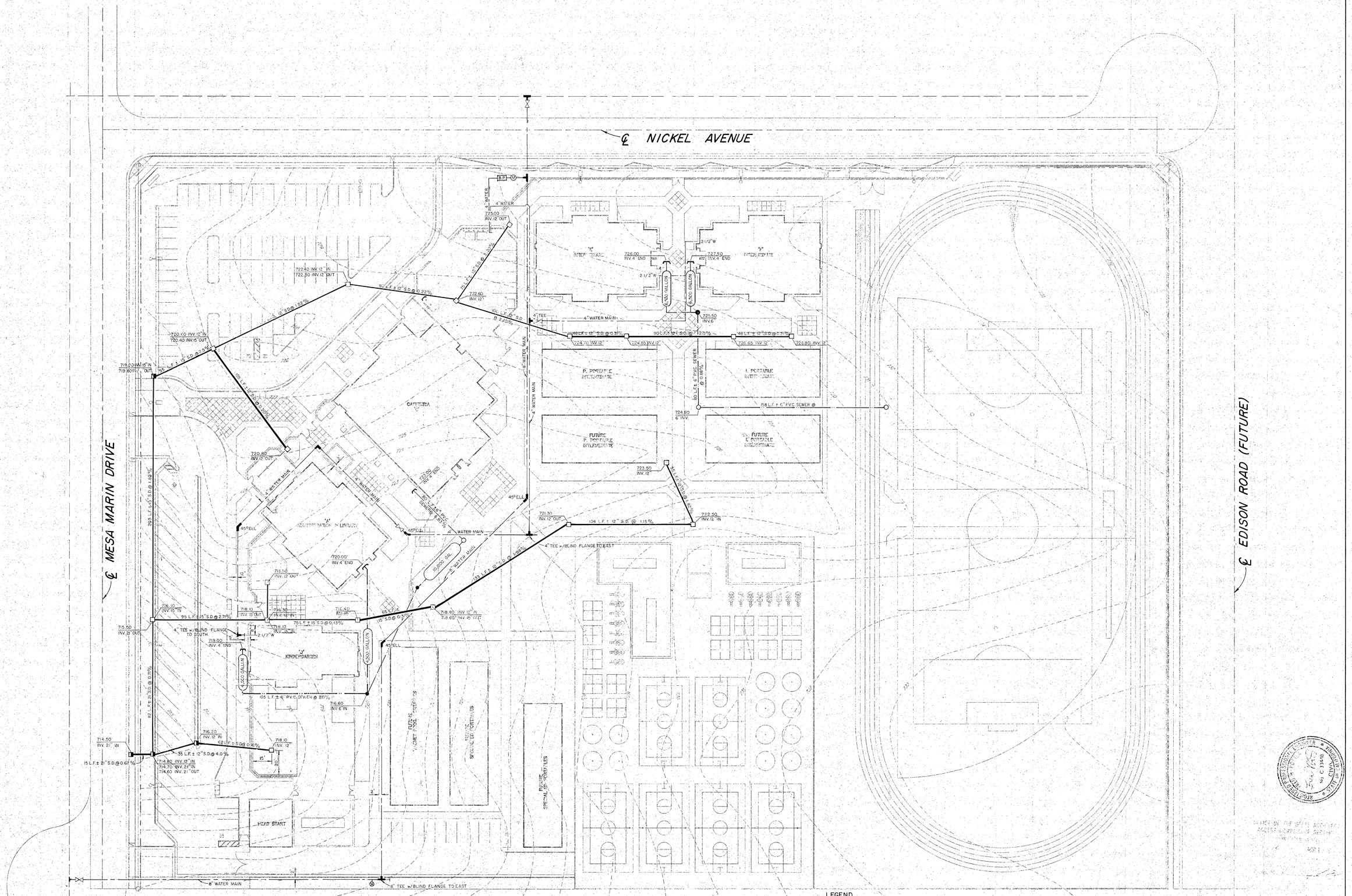
Date:	Revisions:

Drawn by: ?
Job no: ?
Dgn. file: ?
Sheet: C.3
Sheet of:
Date: ?

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPROVED FOR BLDG. DIV. BY
MAR 11 93
Structural Safety Section
Reviewed by



LEGEND

S.D.	STORM-DRAIN
○	STANDARD MANHOLE (TYPE "A")
□	DROP INLET w/STEEL GRATE
●	STANDARD 6" CLEANOUT
⋈	GATE VALVE (WATER)
⊤	REMOVABLE PLUG
⊗	FIRE-HYDRANT
Ⓜ	WATER METER - MODEL (
B.P.	BACKFLOW PREVENTION DEVICE-MODEL (
◧	STANDARD CATCH-BASIN (TYPE "A")

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

KLASSEN CORPORATION

Architecture
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Construction

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MESA MARIN ELEMENTARY SCHOOL

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ENGINEERING • SURVEYING
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FRED W. PORTER RCE 33448 EXP.6/30/94
REVISIONS DATE

Date:	Issued for:

Date:	Revisions:

Drawn by:

Job no:

Dgn. file:

Sheet:

Sheet of:

Date:

GENERAL NOTES

CONCRETE

Minimum Ult. Compressive Strength @ 28 Days: 3000 P.S.I.
Minimum Cement: 5.5 Sacks/C.Y. (See The Specifications)
Maximum Water: 7.0 Gallons/Sack of Cement
Maximum Slump: 4"
Cement Type: II

CONCRETE BLOCK (Special Inspection required)

Open End Units of Lightweight Aggregate: (115 PCF)
Grade N-1 ..... Fm'= 1500 PSI
Minimum Compressive Strengths @28 Days:
Mortar: Type "S" ..... 1800 PSI
Grout: 3/8" Maximum Pea Gravel ..... 2000 PSI

Method of Grouting: Fill all cells using the Low-Lift procedure. W/ Max. Lift Ht. 5'
Vertical Reinforcement Splices are not permitted except where detailed on the drawings. Solid Grout All Cells
Masonry Units Shall Be Laid In Running Bond Pattern.

REINFORCING STEEL

	A.S.T.M. No.
Deformed Bars	Grade 60, A-615
Welded Wire Fabric	A-185

Continuous Steel Lap Splice Lengths:
Concrete ..... 30 Bar Diameters
Concrete Block ..... 40 Bar Diameters
W.W.F. Splices ..... Minimum lap of 2 longitudinal wires + 2" or 8" min. in 6 x 6 W.W.F. (—•—•—)

Concrete Coverage For Reinforcement:
Foundations-Poured Against Earth ..... 3" Clear
-Poured Against Forms ..... 2" Clear
Beams & Columns Above Grade (To Ties & Stirrups) ..... 1½" Clear
Walls Above Grade ..... 1½" Clear
Slabs Above Grade ..... 1" Clear
Slabs On Grade ..... Reinforcement @ Slab ℄

STRUCTURAL STEEL

	Min Fy	A.S.T.M. NO.
Rolled Shapes, Plates, etc	36 ksi	A 36
Pipe Columns & Struts	35 ksi	A 53, Grade "B"
Square & Rectangular Tubing	46 ksi	A500, Grade "B"
Machine Bolts & Anchor Bolts		A307
Weld Electrodes		A.W.S.D1.1 ..... E70XX

Fabrication & Erection: Conform to A.I.S.C. Specifications
Welding: By electric shielded metal-arc process.
Welders: Shall be certified and work done in accordance with the Structural Welding Code A.W.S. D.1.1.
Welding Inspection is required on the following:
All field welds

Shop Drawings: Submit 5 sets for review prior to fabrication.
Shop Painting: All steel not embedded in concrete or galvanized shall receive one shop coat of fabricator's standard rust-inhibiting primer after power tool cleaning.

WOOD

Framing Lumber: Douglas Fir -- grade-marked as follows:

2x4 Studs, blocking & bridging	"No. 2"
2x4 roof rafters and ceiling joists	"No. 2"
3x6 & 4x4 beams & posts	"No. 1"
2x6 and larger studs, joists & rafters	"No. 1"
4x6 and larger beams & posts	"No. 1"
Sills ..... "Pressure-Treated" D. F.	"No. 2"

Plywood:	A.P.A. Marked
Roof Sheathing	T&G "Structural 1" C-D
Wall Sheathing (½" - 5 Ply)	"Structural 1" C-D
Floor Sheathing	T&G Interior "Underlayment" W/ Exterior Glue

Standard Cut Washers: Required under bolt heads and nuts that would otherwise bear on wood surfaces.

Nailing Schedule:	Common Wire Nails
Joists or rafters to sides of studs, 8" depth or less	3-16d
for each additional 4" in depth	1-16d
Joists or rafters to all bearings, toenail each side	2-10d
Studs to bearings-endnail	2-20d
- or toenail each side	2-8d
Blocking between joists or rafters:	
To joist or rafter - -toenail each side, each end	2-10d
-or endnail each end	2-16d
To joist or rafter bearings - -toenail each side	2-10d
Blocking between studs, each end-toenail	2-10d
-or endnail	2-16d
X-Bridging between joists or rafters, toenail each end	2-8d
Ceiling strips to underside of joists, per bearing with "Stronghold" annular ring nails (subdrill for nails at ends where strips tend to split)-1x4 stripping	2-8d
-2x3 stripping	1-16d
Ribbons to studs-1x ribbons	2-8d
-2x ribbons	2-16d
Double top plates- Lower plate to top of studs, endnail	2-20d
-Upper plate to lower plate, staggered	16d @ 12"o.c.
-Upper plate to lower plate at laps	4-16d
at intersections	3-16d
Multiple studs - (stagger for widths over 4")	16d @ 12"o.c.
Built-Up beams - 10" or less in depth, staggered	16d @ 12"o.c.
More than 10" deep, staggered	½"ø bolts @ 24"o.c.
1x6 Let-in brace - to each stud	2-8d
at each end	3-8d

Note: Use nails driven perpendicular to the grain in lieu of toenails where possible.

MACHINE APPLIED NAILING

Use of machine nailing is subject to a satisfactory jobsite demonstration for each project and the approval by the project Architect or Structural Engineer and the Office of the State Architect. The approval is subject to continued satisfactory performance. Machine nailing will not be approved in 5/16" plywood. If nailheads penetrate the outer ply more than would be normal for a hand hammer or if minimum allowable edge distances are not maintained the performance will be deemed unsatisfactory.

REFERENCE Title 24, Part 2, Sec. 2513 (c)

GLUE-LAMINATED BEAMS

"All structural glued laminated timber shall be continuously inspected during fabrication by an inspector specially approved by the Office of the State Architect. An AITC Certificate will not meet this requirement."

REFERENCE Title 24, Part 2, Sec. 2518 (a)

Glue-Laminated Beams
Shall be Douglas Fir conforming to the "American National Standard for Wood Products - Structural Glued-Laminated Timber" ANSI/AITC A190.1 and "Voluntary Product Standard" PS56-73.

Beams	Combination 22F-V7
Adhesive	Exterior Glue
Appearance Grade	Industrial
Protection, All Surfaces	Clear Sealer & Load Wrap
Moisture Content	7% to 12% Maximum

PLYWOOD WEB JOISTS

Plywood web joists and associated blocking panels shall be TJI/35X joists as manufactured by Trus Joist Corporation, OR SSI 324 JOISTS AS MANUFACTURED BY STANDARD STRUCTURES INC. SERIES (24) AND (24) JOIST DEPTHS SHALL BE AS SHOWN ON THE DRAWINGS.

Web stiffeners and web filler blocks for plywood web joists shall be 7/8-inch plywood FOR TRUSJOIST TJI/35X JOIST OR 1"-INCH PLYWOOD FOR STANDARD STRUCTURES SSI 324 JOISTS, TO BE SUPPLIED BY THE JOIST MANUFACTURER AND INSTALLED BY THE CONTRACTOR.

DRILLED-IN ANCHORS

When installing drilled-in anchors and/or power driven pins in existing non-prestressed reinforced concrete, use care and caution to avoid cutting or damaging the existing reinforcing bars. Maintain a minimum clearance of one-inch between reinforcement and the drilled-in anchors and/or pin.

PROOF LOAD TESTS FOR EXPANSION & ADHESIVE TYPE ANCHOR BOLTS
(Bolts must have I.C.B.O. Approval)

All concrete anchor bolts of the expansion and adhesive type (loaded in either pullout or shear) shall have 10% of the sill plate bolts and 100% of the ledger and holddown bolts proof tested in tension to twice the allowable tension load. If there are any failures, the immediately adjacent bolts must then also be tested.

Type of Materials	Type of Test	Hilti Kwik Bolt II (ICBO #4627) Bolt Diameter 5/8"	3/4"	1"
3000 P.S.I. Hard Rock Concrete	Direct Pull-Tension, Lbs.	4270	6200	9300
Min. Embed		4"	5"	6"

POWDER DRIVEN CONCRETE FASTENERS

Use of Powder Drive Concrete Fasteners for tension loads is limited to support of minor loads like acoustical ceilings, duct work, conduit.

TESTING - The operator, tool and fastener shall be pre-qualified by the project inspector. He shall observe the testing of the first 10 fastener installations. A test "pull-out" load of not less than twice the design load, or 200 pounds, whichever is greater, shall be applied to the pin in such a manner as not to resist the spalling tendency of the concrete surrounding the pin. Thereafter, random tests under the project inspector's supervision shall be made of approximately 1 in 10 pins, except that when the design load exceeds 100 pounds, one half of the pins shall be tested. Should failure occur on any pin tested, all installations must be tested and unfair pins replaced.

Type of Material	Type of Test	Hilti DN72 ICBO #2388 Fastener Diameter
Hard Rock Concrete 2000 & 3000 psi	Direct Pull-Tension, Lbs.	0.145" 200

FOUNDATION NOTES (Refer to Geotechnical Investigation by KERN TESTING & INSPECTION CORP. 1418-92)

Soil Type: Silty Sand
Maximum Design Bearing Pressure: 2500 #/Sq. Ft. DL + LL
Bottom of Footing Elevation: 2'-0" below finish floor elevation or as shown on drawings
Place Footings Only on Firm Bearing, not on loose soil or uncompacted fill.
Compact Fill Requirements: Compact to 90% of maximum density per A.S.T.M. D1557.

GENERAL NOTE

Typical Details & General Notes apply in all cases unless specifically shown otherwise on the drawings.
Where No Detail is Shown, construction shall be as shown for other similiar work.
No Deviations from the Design Drawings are permitted without the permission of the Engineer and OSA.

RECOMMENDED SPECIFICATIONS FOR AUTOMATIC END WELDED STUDS

Material

Automatic end welded studs shall be Nelson Granular Fluxfilled Shear Connector or Anchor Studs (or approved equal).

Studs shall be manufactured of C-1015 cold rolled steel which conforms to A.S.T.M. Specification A-108-58-T.

Installation

The studs shall be automatically end welded in accordance with the manufacturer's recommendations in such a manner as to provide complete fusion between the end of the stud and the plate. There should be no porosity or evidence of lack of fusion between the welded end of the stud and the plate. The stud shall decrease in length during welding approximately 1/8" for 5/8" inch and under, and 3/16" for over 5/8" diameter. Welding shall be done only by qualified welders approved by the welding inspector.

Inspection and Tests

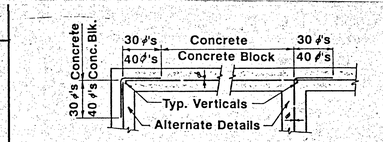
Inspection, in accordance with Title 24, Section 2727(e), of all the shop and field welding operations for the automatic end welded studs shall be made by a qualified welding inspector (approved by the Office of the State Architect). The type and capacity of the welding equipment shall be in accordance with the manufacturer's recommendations and shall be checked and approved by a welding inspector.

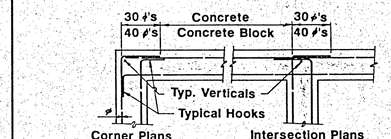
At the beginning of each day's work, a minimum of two test stud welds shall be made with the equipment to be used to metal which is the same as the actual work piece. The test studs shall be subjected to a 90° bend test by striking them with a heavy hammer. After the above test, the weld section shall not exhibit any tearing out or cracking.

Testing of end-welded studs shall be in accordance with Section 2727(c), Part 2, Title 24.

ABBREVIATIONS

A.B.	=	Anchor Bolts
BLKG.	=	Blocking
BM.	=	Beam
B.N.	=	Boundary Nailing
C.J.	=	Ceiling Joist or Construction Joint
CL.	=	Clear
CLR.	=	Clear
CONC.	=	Concrete
CONT.	=	Continuous
C.T.S.K.	=	Countersink
EA.	=	Each
E.F.	=	Each Face
E.J.	=	Exterior Joint
E.N.	=	Edge Nailing
E.W.	=	Each Way
F.F.	=	Finish Floor
F.N.	=	Field Nailing
F.O.C.	=	Face of Concrete
F.O.S.	=	Face of Stud
G.L.B.	=	Glued-Laminated Beam
JST.	=	Joist
L.J.	=	Longitudinal Joint
O.C.	=	On Center
PL	=	Plate
RFTR.	=	Rafter
R.R.	=	Roof Rafter
T.C.R.	=	Top of Cricket Elevation
T.J.	=	Transverse Joint
TJI	=	Trus Joist Plywood Web I-Joist
T.P.	=	Top of Parapet Elevation
T.S.	=	Top of Sheathing Elevation
U.N.O.	=	Unless Noted Otherwise
W.W.F.	=	Weld Wire Fabric
w/	=	With
ø	=	Diameter

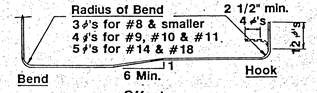


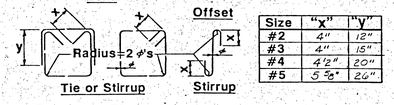


Bar Lap Splice Lengths (Class "B")									
Bar No.	#3	#4	#5	#6	#7	#8	#9	#10	#11
Top Bars *	1'-4"	1'-10"	2'-3"	2'-11"	4'-0"	5'-3"	6'-8"	8'-5"	10'-4"
Other Bars	1'-0"	1'-4"	1'-8"	2'-1"	2'-10"	3'-8"	4'-8"	6'-0"	7'-5"

*Horiz. bars with more than 12" of conc. cast in member below bar.

No More Than 50% Of The Bars Shall Be Spliced At Any One Section, And Splices Shall Be Staggered At Least 4'-0"

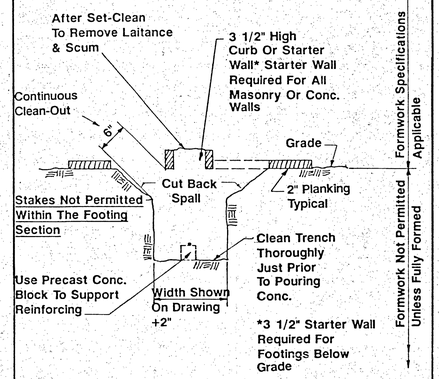




Size	"x"	"y"
#2	4"	12"
#3	4"	15"
#4	4½"	20"
#5	5 ⅝"	20"

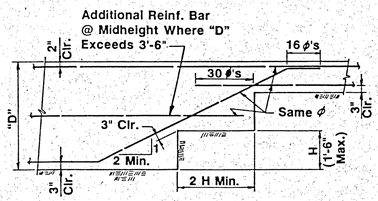
Reinforcing Placing Tolerances
1. Depth: ±1/4" for members 24" or less in depth.
2. Depth: ±1/2" for members larger than 24" in depth.
3. Length: ±1"

1/ST-1 **TYPICAL REINFORCING STEEL DETAILS**

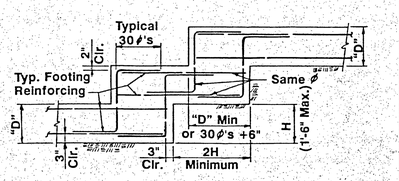


2/ST-1 **UNFORMED FOOTING DETAIL**

"Foundation concrete may be placed directly into neat excavations provided the foundation trench walls are stable as determined by the Architect (Structural Engineer) subject to the approval of the Office of the State Architect. In such case the minimum formwork shown on the drawings is mandatory to insure clean excavations immediately prior to and during the placing of concrete."

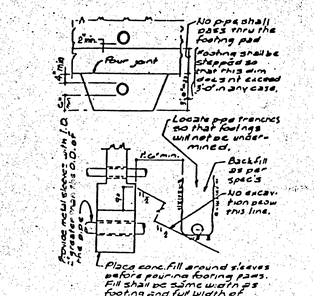


TYPE I - WHERE TOP OF FOOTING IS LEVEL



TYPE II - WHERE TOP OF FOOTING IS STEPPED

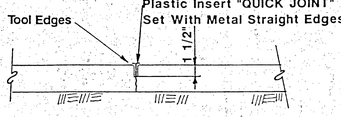
3/ST-1 **TYPICAL FOOTING STEPS (F.S.)**



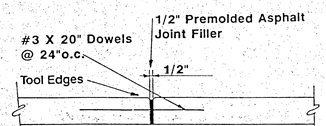
Reference: Title 24, 2-2907(i)

TYPICAL PIPE TRENCH/FOOTING DETAIL

4/ST-1 **RELATION OF PIPES & TRENCHES TO FTG.**

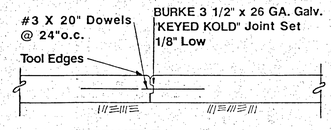


ALTERNATE E.J.



EXTERIOR JOINT (E.J.)

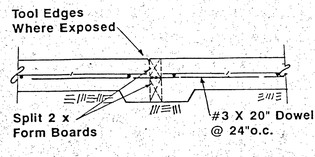
Maximum Spacing = 12'-0" o.c. Each Way



ALTERNATE E.J.

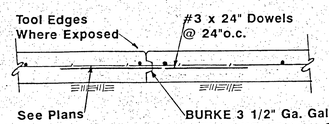
5/ST-1 **EXTERIOR CONCRETE SLAB JOINTS**

For Crack Control Of Concrete Sidewalks, Patios, Slabs & Residential Driveways. Not For Trucks Or Heavy Vehicles.



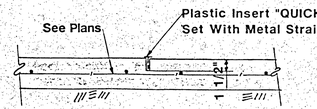
CONSTRUCTION JOINT (C.J.)

Joint To Be Used Between Strip Pours. 15'-0" Maximum Spacing.



LONGITUDINAL JOINT (L.J.)

Joint Between Strip Pours If Allowed By Engineer. 15'-0" Maximum Spacing.

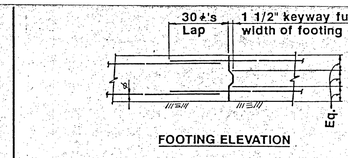


TRANSVERSE JOINT (T.J.)

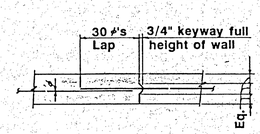
To Be Used Between Construction Or Longitudinal Joint. 15'-0" Maximum Spacing.

6/ST-1 **INTERIOR CONC. SLAB JOINTS-COMMERCIAL**

For Crack Control Of Floor Slabs. Not For Trucks Or Heavy Vehicles.

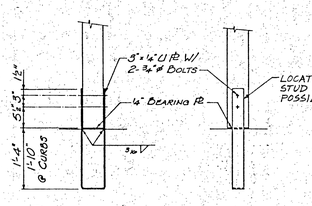


FOOTING ELEVATION

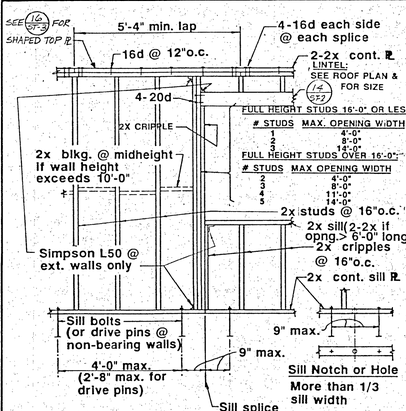


WALL PLAN SECTION

7/ST-1 **CONCRETE CONSTRUCTION JOINTS**

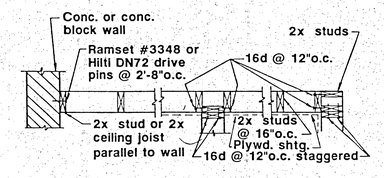


8/ST-1 **WOOD COLUMN BASE DETAIL** 3/4" = 1'-0"



9/ST-1 **WALL FRAMING DETAILS**

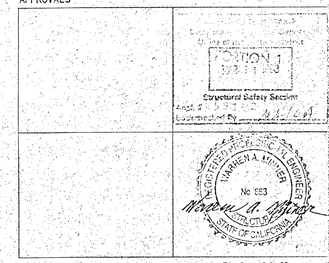
T(max) = 1.73 kips (for double plates)



Wall Connection | Intersection | Corner

10/ST-1 **TYPICAL STUD WALL CORNER PLAN** 3/4" = 1'-0"

APPROVALS



Exp. Date 12-31-95

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(805) 327-5933 Fa

LICENSED ARCHITECT PHIL KLASSEN C10401 REN. 1-31-95 STATE OF CALIFORNIA

The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect and no part there of shall be used, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of the acceptance of these restrictions.
Written dimensions on these drawings shall have precedence over scaled dimension. Contractors shall verify and be responsible for all dimensions and conditions on the job. Any discrepancies in this office must be notified of any variations from the dimensions and conditions shown by these drawings. Requests for deviations must be submitted to this office for acceptance before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL — JEWETT STREET BAKERSFIELD, CALIFORNIA

Sheet title: GENERAL NOTES & STANDARD DETAILS

WARREN A. MINNER
STRUCTURAL ENGINEER
1716 OAK STREET
BAKERSFIELD, CALIFORNIA 93
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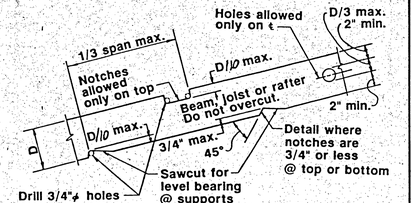
Date:	Issued for:

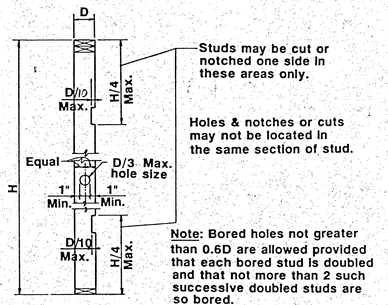
Date:	Revisions:
12-22-94	Soil Report Recommend.

Drawn by: WL
Checked by: R.C.S
Job no: 1921

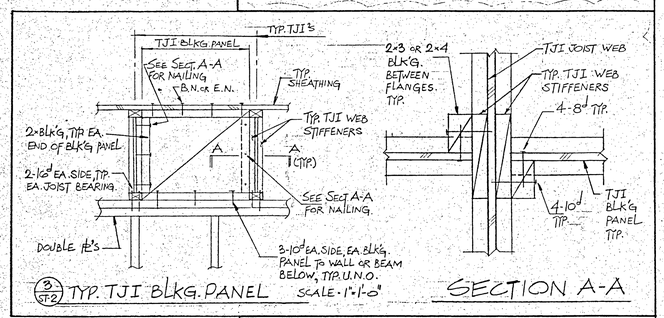
Sheet: **ST-1**
Sheet of: 24 SHEETS
Date:



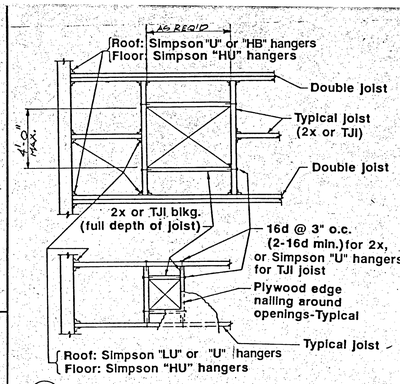
1 / ST-2 **WOOD NOTCH DETAIL**



2 / ST-2 **TYPICAL STUD NOTCH DETAIL**

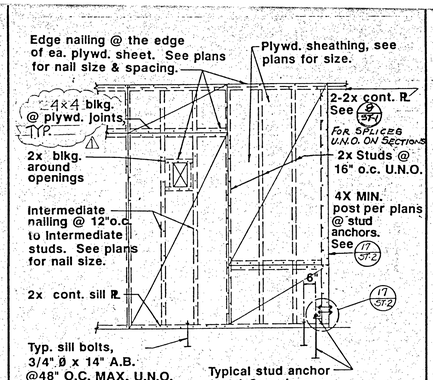


3 / ST-2 TYP. TJI BLK'G. PANEL scale: 1"=1'-0" **SECTION A-A**

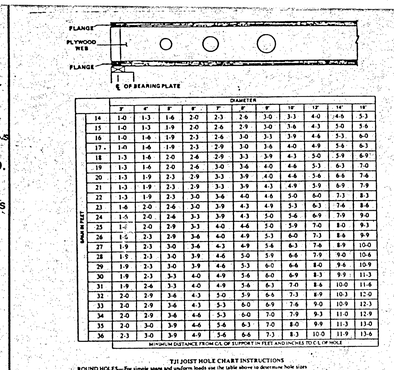


6 / ST-2 **OPENING FRAMING DETAILS-ROOF OR FLOOR**

Provide manufacturers recommended filler and backer blocks at double TJI joist and at all TJI connections.

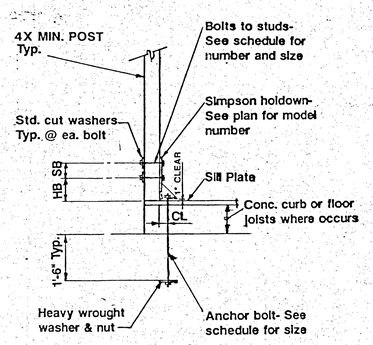


10 / ST-2 **PLYWOOD SHEAR PANEL DETAIL**

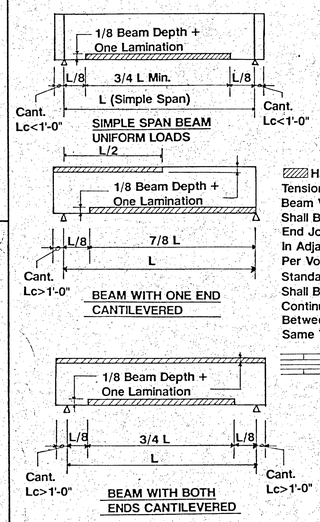


13 / ST-2 **T.J.I. JOIST HOLE CHART**

SIMPSON HOLDOWN SCHEDULE						
MODEL	STUD BOLTS	ANCHOR BOLT	"CL"	"SB"	"HB"	NOTES
HD2A	2-5/8"ϕ	5/8"ϕ	1½"	2½"	4½"	
HD5A	2-¾"ϕ	¾"ϕ	2½"	3"	5½"	
HD7A	3-⅞"ϕ	1⅛"ϕ	2¾"	3½"	6⅛"	
HDZ2A	4-1"ϕ	1¼"ϕ	2⅞"	4"	7"	



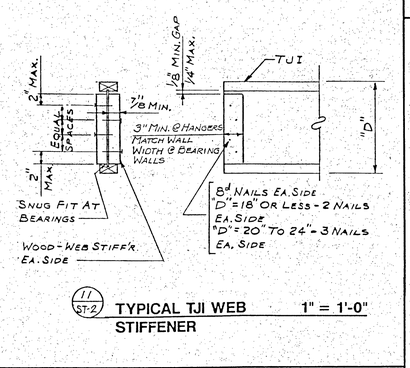
17 / ST-2 **TYPICAL STUD ANCHOR**



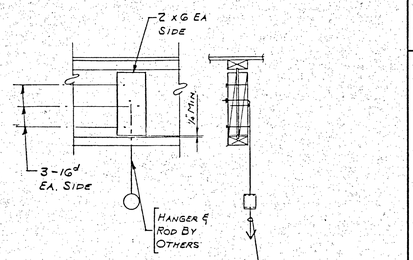
Hatched Area = Tension Portion(s) of Beam Where There Shall Be 6" Minimum End Joint Spacing In Adjacent Laminations: Per Voluntary Product Standard PS 56 and Shall Be at Least Two Continuous Laminations Between Joints On the Same Vertical Plane.

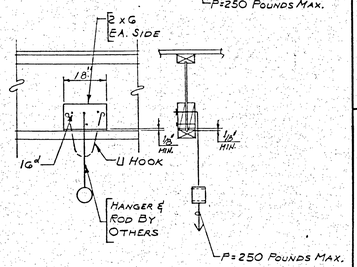
6" MIN.

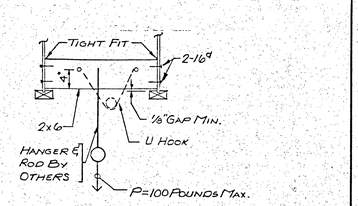
7 / ST-2 **SPACING OF END JOINTS IN LAMINATIONS IN GLUED LAMINATED BEAMS**



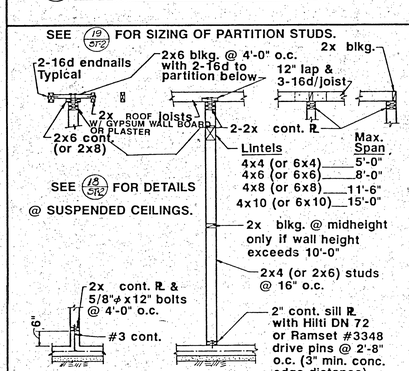
11 / ST-2 **TYPICAL TJI WEB STIFFENER** 1" = 1'-0"



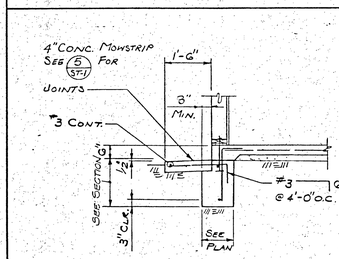




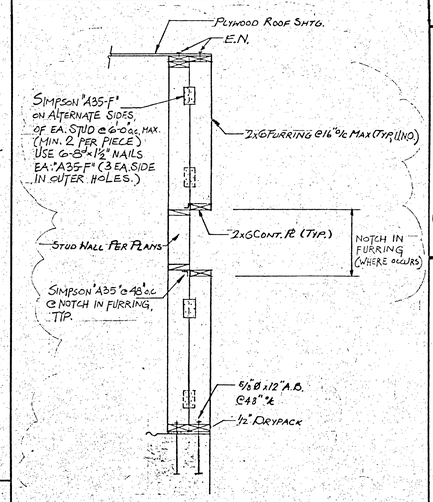
12 / ST-2 **TYPICAL TJI HANGER DETAILS** 1" = 1'-0"



19 / ST-2 **NONBEARING PARTITIONS**

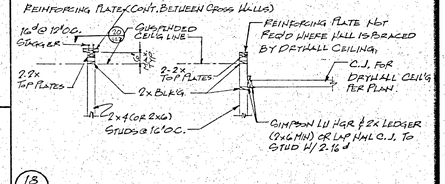


15 / ST-2 **TYP. EXTERIOR FTG. w/MOWSTRIP** 1/2" = 1'-0"



16 / ST-2 **TYP. STUD WALL FURRING** 3/4" = 1'-0"

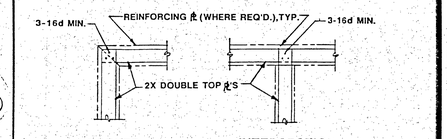
TOP PLATES	REINF. PLATE	MAX. SPAN BETWEEN CROSS WALLS
2-2X4	NONE	10 FT
2-2X4	1-2X6	16 FT
2-2X4	1-2X8	20 FT
2-2X6	NONE	16 FT
2-2X6	1-2X8	20 FT



18 / ST-2 **NONBEARING PARTITIONS @ SUSPENDED CEILINGS**

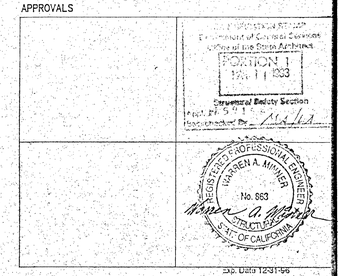
STUD SIZE & SPACING	MAX. WALL HEIGHT
2X4 @ 16"O.C.	14'-0"
2X6 @ 16"O.C.	23'-0"
2X8 @ 16"O.C.	30'-0"

19 / ST-2 **MAX. HEIGHT OF NONBEARING PARTITIONS**

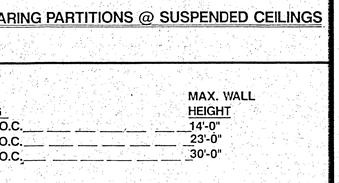


20 / ST-2 **WALL INTERSECTIONS @ DOUBLE TOP PLATES**

APPROVALS



Exp. Date 12-31-94



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LICENSED ARCHITECT L PHIL KLASSEN C10401 REN 1-31-95 STATE OF CALIFORNIA

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Written dimensions on these drawings shall have precedence over scaled dimensions; contractors shall verify and be responsible for all dimensions and conditions on the job. This office must be notified of any variations from dimensions and conditions shown by these drawings. Shop drawings must be submitted to this office for approval before proceeding with fabrication.

CITY SCHOOL DISTRICT
'MESA MARIN ELEMENTARY SCHOOL
JEWETT STREET
BAKERSFIELD, CALIFORNIA

Sheet title: STANDARD DETAILS

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STRUCTURAL ENGINEER - - -
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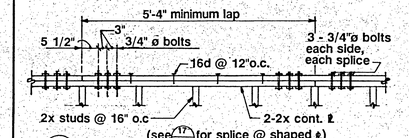
Date:	Issued for:

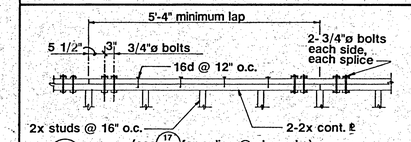
Date:	Revisions:
12-22-92	1 PER GLASS PARTY, PLAN & RCP-A COMM. TYP. REVISIONS. W.A. Minner

Drawn by: WL
Checked by: R C. S
Job no: 1921
Sheet: ST-2
Sheet of:
Date:



1 / ST-3 BOLTED DOUBLE PLATE SPLICE

Tmax = 5.68K



2 / ST-3 BOLTED DOUBLE PLATE SPLICE

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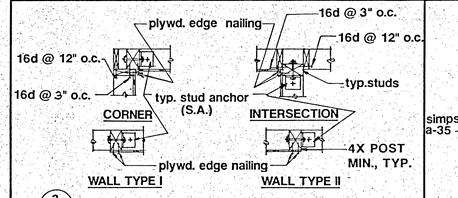
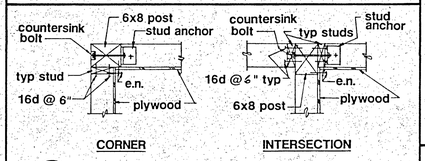
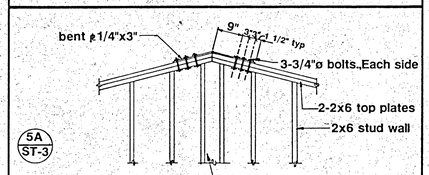


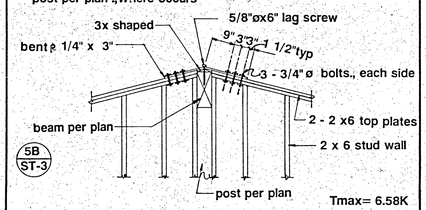
3 / ST-3 STUD ANCHOR LAYOUT PLANS @ 4X OR 2-2X



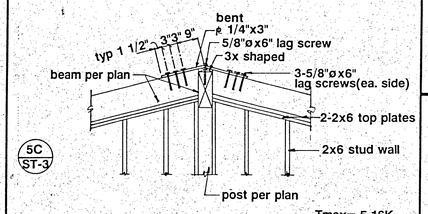
4 / ST-3 STUD ANCHOR LAYOUT PLANS @ 6X



5A / ST-3

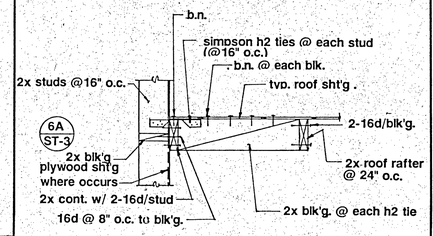


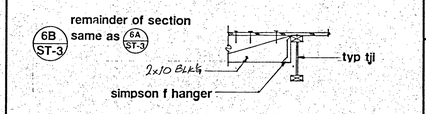
5B / ST-3



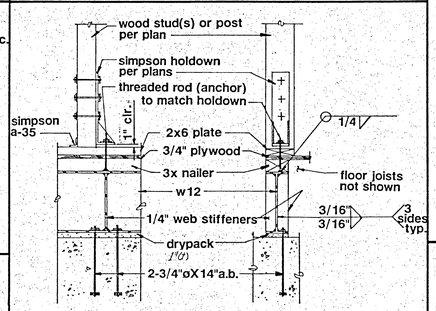
5C / ST-3

5 / ST-3 CHORD SPLICES @ ROOF RIDGE

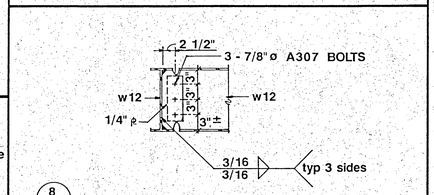




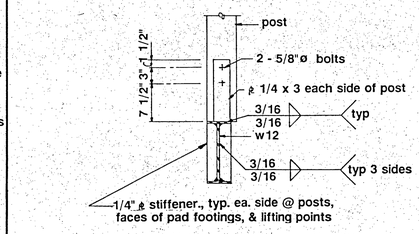
6 / ST-3 CONNECTION OF DIAPHRAGM TO WALL W/ PARAPET



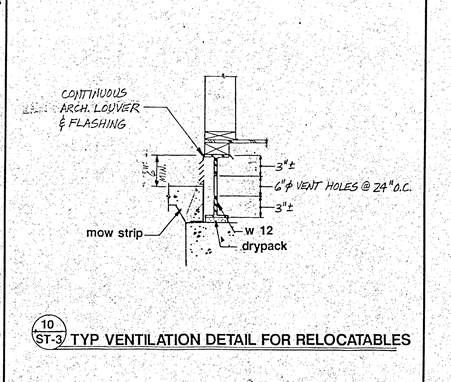
7 / ST-3 STUD ANCHORS @ RELOCATABLES



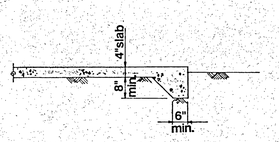
8 / ST-3 TYP STEEL BEAM CONNECTION



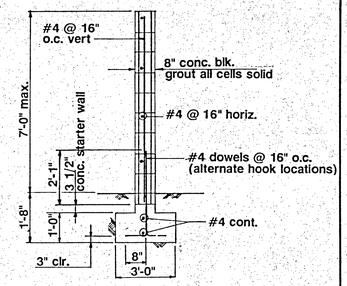
9 / ST-3 TYP POST CONNECTION & WEB STIFFENERS FOR STEEL BEAMS



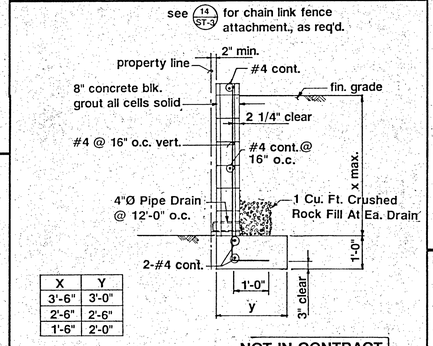
10 / ST-3 TYP VENTILATION DETAIL FOR RELOCATABLES



11 / ST-3 TYP TURN DOWN @ EXTERIOR SLAB EDGE

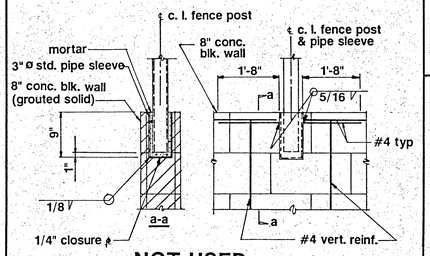


12 / ST-3 TYP GARDEN WALL



NOT IN CONTRACT
NOT PART OF THIS OSA APPROVAL

13 / ST-3 TYP RETAINING WALL



NOT USED

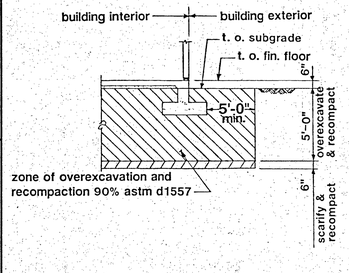
14 / ST-3 CONNECTION OF CHAIN LINK FENCE TO TOP OF RETAINING WALL

Following stripping operations:

The dark brown silty sand, which is at the surface to a depth of 1 to 2 feet, shall be removed from the building pad areas. This soil shall not be used as engineered fill in the building pads.

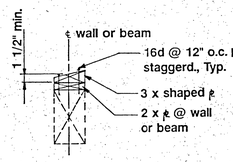
The top five feet from finish sub-grade of native reddish-brown soil in the building pad areas extending five feet outside the building perimeters shall be excavated. The bottom six inches shall be ripped and moistened with water to within optimum or above optimum moisture content and compacted to a minimum of 90% relative compaction.

(Reference: Geotechnical Report by Kern Testing and Inspection Corporation, 11-18-92, p. 7)

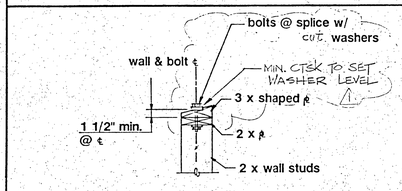


15 / ST-3 TYP DETAIL FOR EXCAVATION AND RECOMPACTION

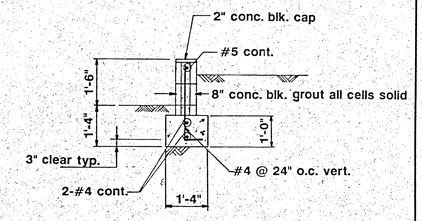
NOT IN CONTRACT



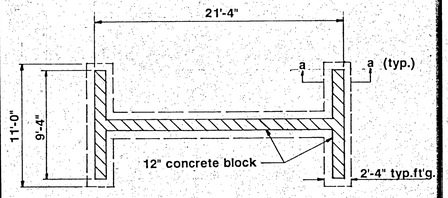
16 / ST-3 TYP 3X SHAPED TOP PLATE



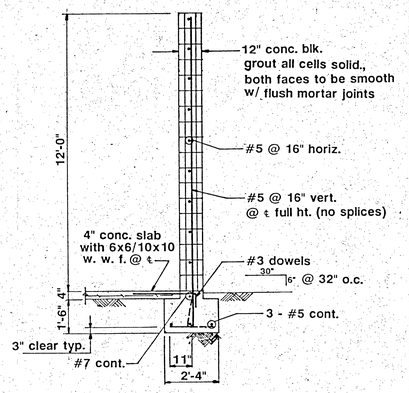
17 / ST-3 TYP SPLICE @ 3X SHAPED TOP PLATE



18 / ST-3 TYP PLANTER WALL

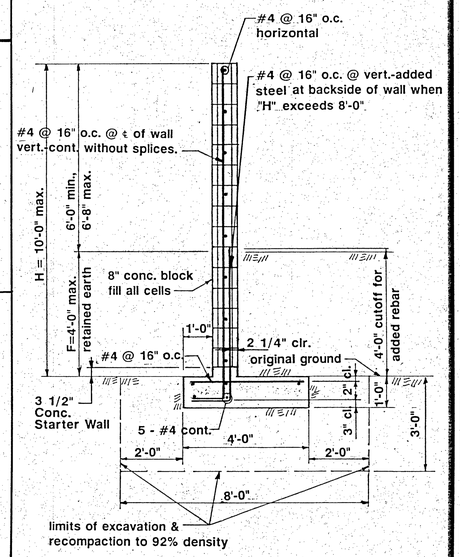


PLAN



SECTION A-A

19 / ST-3 TYP. BALL WALL



20 / ST-3 RETAINING & FENCE WALL @ NORTH PROPERTY LINE

APPROVALS

IDENTIFICATION
Department of Consumer Affairs
Office of the State Architect
POSITION 1
NOV 11 1993
Structural Safety Section

REGISTERED PROFESSIONAL ENGINEER
WARREN A. MINNER
No. 863
STRUCTURAL
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Exp. Date 12-31-93

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REN 1-31-94
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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
JEWETT STREET
BAKERSFIELD, CALIFORNIA

Sheet title: STANDARD DETAILS

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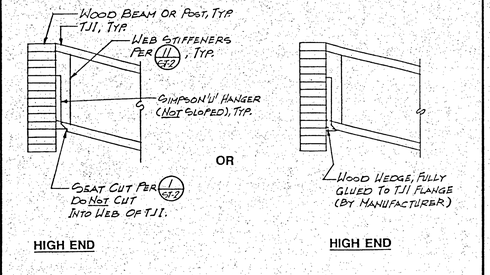
Date:	Issued for:

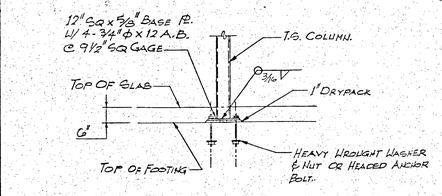
Date:	Revisions:
12.2.92	SPLICE @ 3X TOP P

Drawn by: R J. H
Checked by: R C. S
Job no: 1921

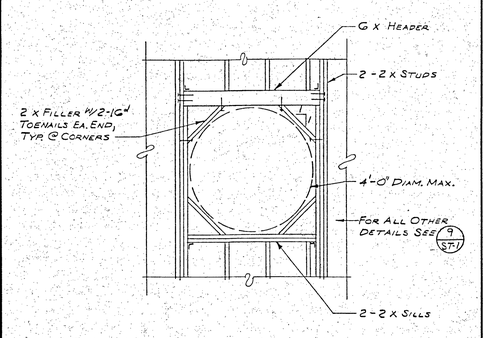
Sheet: ST-3
Sheet of:
Date:



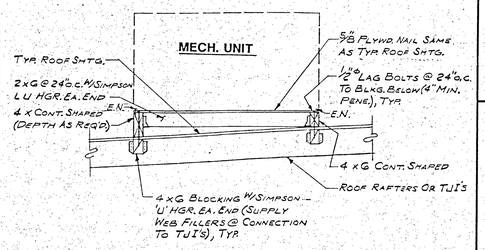
3/ST-4 **TYPICAL END HANGER DETAILS FOR SLOPING TJI'S** 1"= 1'-0"



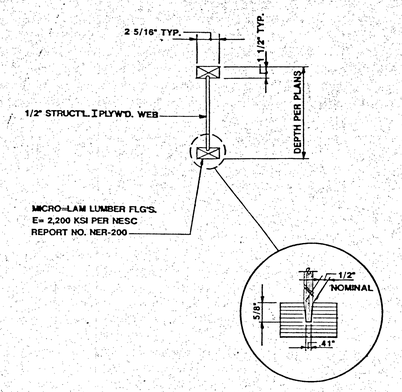
4/ST-4 **TYP. TUBE STEEL COL. BASE PLATE**



5/ST-4 **FRAMING DETAILS @ CIRCULAR WALL OPENING** 1/2" = 1'-0"



6/ST-4 **MECHANICAL UNIT PLATFORM** 1/2" = 1'-0"

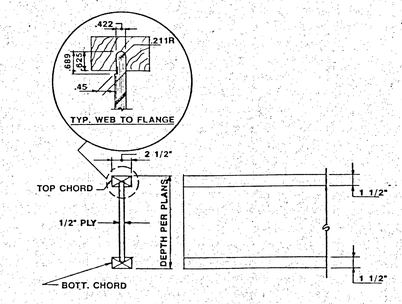


1/ST-4 **TYP. TRUS-JOIST TJI 35X** NO SCALE

Plywood web joists (PWJ) are shown on the drawings as Trus Joist TJI/35X Series. However, Standard Structures SSI 324 Series PWJ may be substituted in accordance with the table and detail below.

TRUS JOIST MEMBER	ALTERNATIVE STANDARD STRUCTURES MEMBER*
12" TJI/35X	12" SSI 324
14" TJI/35X	14" SSI 324
16" TJI/35X	16" SSI 324
18" TJI/35X	18" SSI 324
20" TJI/35X	20" SSI 324
22" TJI/35X	22" SSI 324
24" TJI/35X	24" SSI 324

*All Standard Structures members shall have 2" x 3" (nominal), 2400 psi M.S.R. flanges and 1/2" plywood web.



TYPICAL SSI JOIST

NOTES

1. Flanges: Mat'l for the manufacture of the wood flanges shall be of a M.S.R. grade lumber in accordance with O.S.A. acceptance.
2. Web: Web mat'l shall be plywood, PS 1-83, Struct 1, Group 1, Grade CC, marked by a recognized grading agency.
3. Glue: The adhesive must be an exterior type complying with UBC Std. No. 25-19.
4. Joists shall be manufactured in accordance with ICBO Report No. PFC-4325.
5. OSA approved independent inspection agency required during fabrication.

Details for the Standard Structures SSI 324 Series will be similar to those shown on the drawings, except that web fillers and bearing stiffeners for PWJ shall be 1" plywood nailed with 10d common nails.

2/ST-4 **ALTERNATE PLYWOOD WEB JOIST MEMBERS** NO SCALE

APPROVALS

Division of the State Architect
Structural Safety Section
DSA-T Reviewed by: [illegible] Date: 12/2/04

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

JEWETT STREET
BAKERSFIELD, CALIFORNIA

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Date:	Revisions:

Drawn by: RJ.H

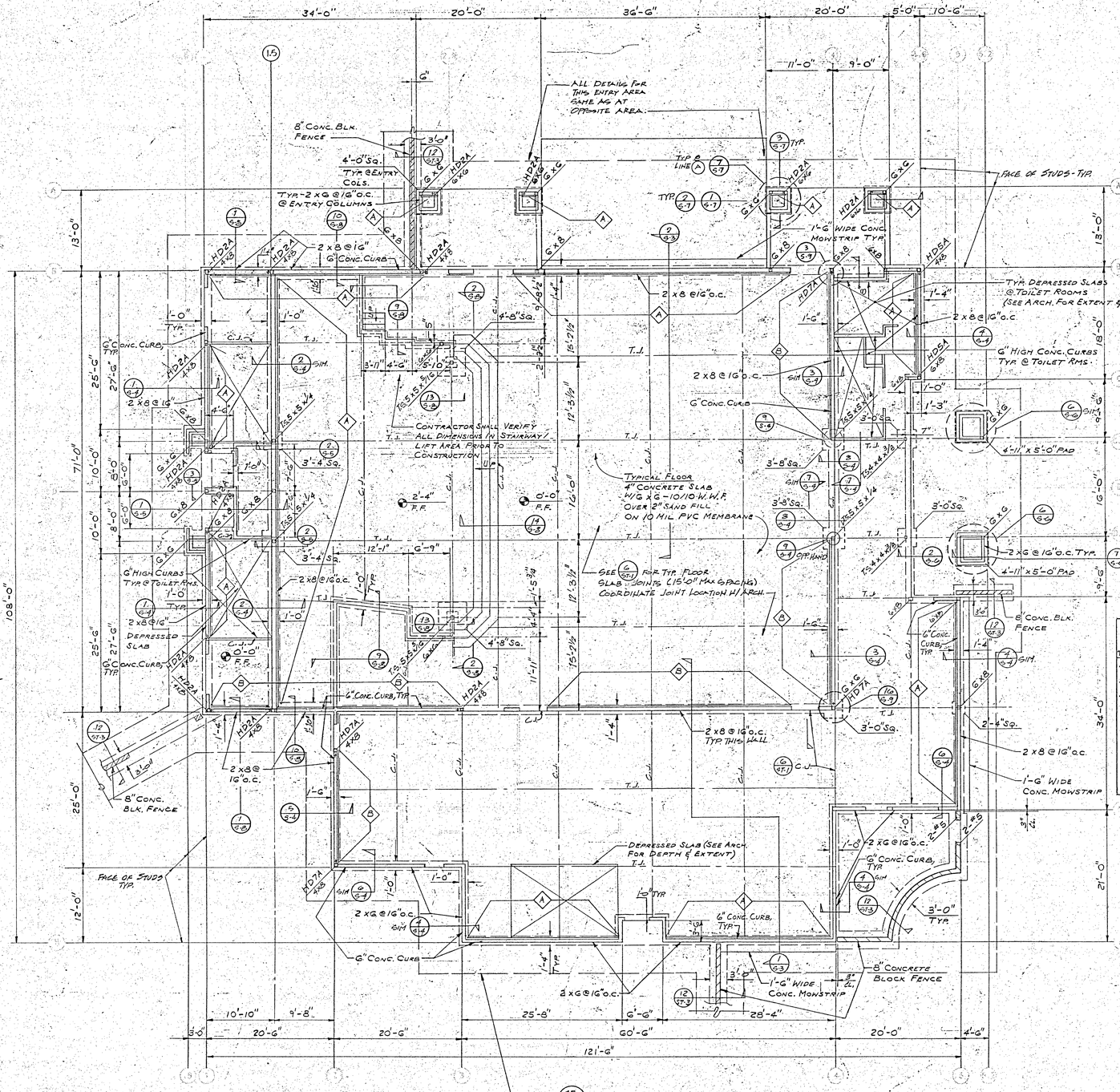
Checked by: RCS

Job no: 1921

Sheet: ST-4

Sheet of:

Date:



SEE (15/ST-3) FOR EXCAVATION & RECOMPACTION AT THIS BUILDING SITE & UNDER CONC. BLK. FENCES

N

FOUNDATION PLAN

1/8"= 1'-0"

SEE (17/ST-2) FOR POST BASE DETAIL @ STUD ANCHORS (SIMPSON HD HOLDOWNS)
OTHERWISE, SEE (8/ST-1) FOR POST BASE DETAIL.

SHEAR WALL SCHEDULE

TYPE	NAILING EDGES	NAILING INTERM.	EDGE MEMBERS	SILL PLATE THICKNESS	ANCHOR BOLTS *	ALLOW. SHEAR
A	10d @ 6"	10d @ 12"	2X	2X	3/4" ø x 14" @ 48"	340#/FT
B	10d @ 4"	10d @ 12"	2X	2X	3/4" ø x 14" @ 32"	510#/FT
C	10d @ 3"	10d @ 12"	3X	2X	3/4" ø x 14" @ 32"	665#/FT

*Min. 2 bolts per shear panel.

1. All plywood to be 1/2" (net) Structural I (C-D) with all edges blocked.
2. Shear walls more than one vertical panel in height shall have staggered spliced joints.
3. Typically, full 4' x 8' sheets shall be used for plywood shear panels. No plywood sheet less than 12" wide shall be used in any shear panel.
4. Edge member is the minimum nominal thickness of studs and blocking at plywood edges.

PAD FOOTING SCHEDULE

SIZE	MINIMUM THICKNESS	BOTTOM REINFORCING
4'-8" Sq.	18"	5 - #4 EW
3'-8" Sq.	18"	4 - #4 EW
3'-4" Sq.	18"	4 - #4 EW
3'-0" Sq.	18"	4 - #4 EW
2'-4" Sq.	18"	3 - #4 EW
2'-0" Sq.	12"	3 - #4 EW
1'-8" Sq.	12"	None required

APPROVALS

DIVISION OF THE STATE ARCHITECT
Department of General Services
Review of the Structural Safety Aspects
SECTION I
DEC 11 1998
Structural Safety Section

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BAKERSFIELD CITY SCHOOL DISTRICT
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Date:	Revisions:

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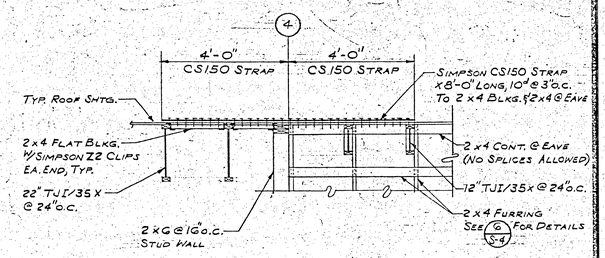
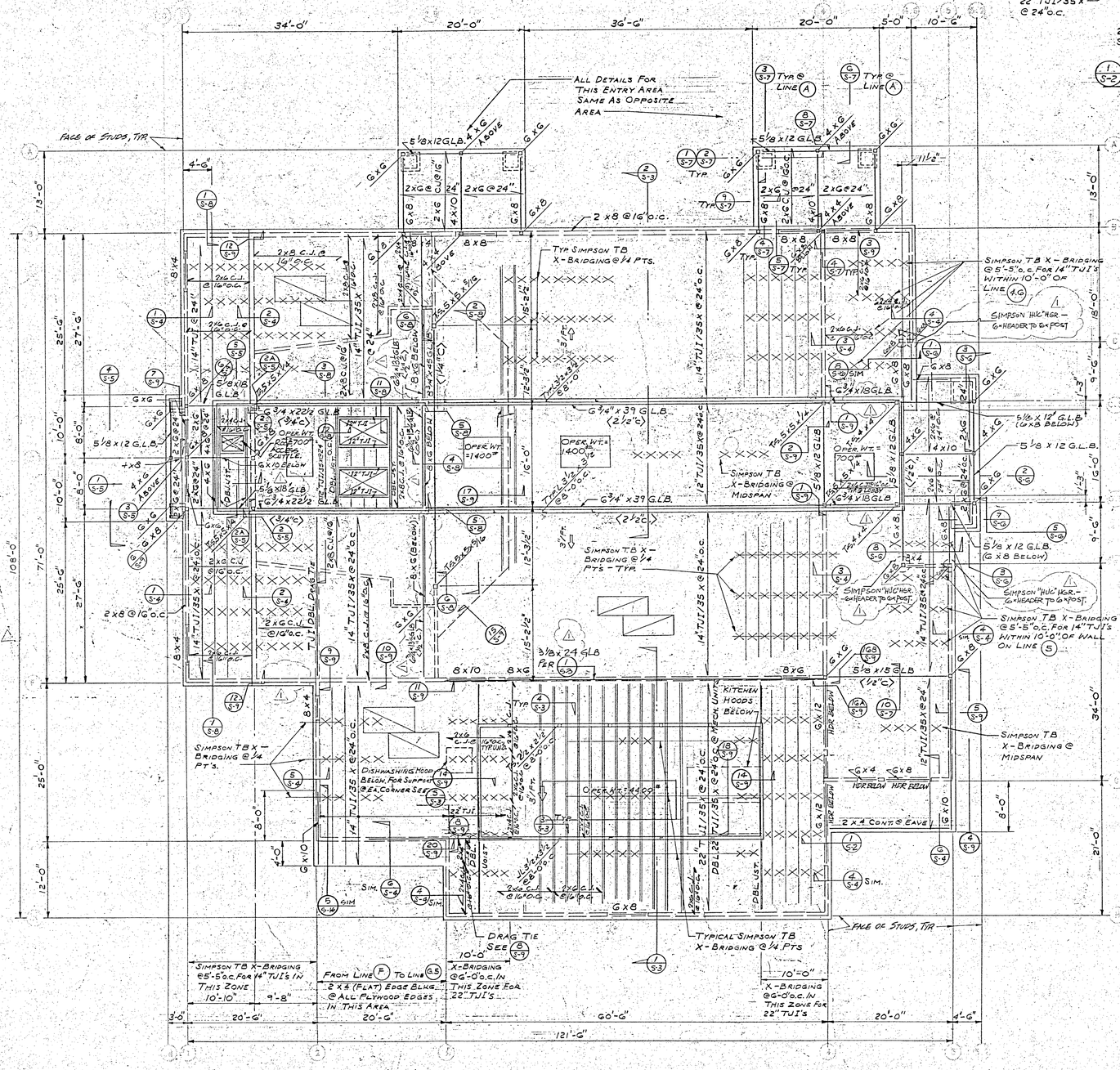
Checked by: G.D.
Job no: 1921
Sheet: S-1
Sheet of:
Date:



1/S-2 SECTION @ DRAG TIE 1/2" = 1'-0"



N ⊕ ROOF FRAMING PLAN 1/8" = 1'-0"

MINIMUM BOLTED DOUBLE PLATE SPLICES		
Along Line	# 3/4" Ø Bolts Each Side of Splice	Reference Detail
B	3	1/ST-3
F	3	1/ST-3
H	2	2/ST-3
1	2	2/ST-3
1.5	2	2/ST-3
2	2	2/ST-3
4	3	1/ST-3
4.5	2	2/ST-3
5	2	2/ST-3

TYPICAL ROOF SHEATHING

5/8" T. & G. Plywood (Stagger As Shown)
"Structural I" CD w/Ext. Glue
10d @6" o.c. - boundaries of diaphragms & edges of sheets
10d @10" o.c. - Intermediate supports
No edge blocking required, except where noted.

APPROVALS

Department of General Services
Office of the State Architect
PORTION 1
Structural Safety Section

REGISTERED PROFESSIONAL ENGINEER
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Exp. Date 12-31-96

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BAKERSFIELD, CALIFORNIA

Sheet title: CAFETERIA ROOF FRAMING PLAN

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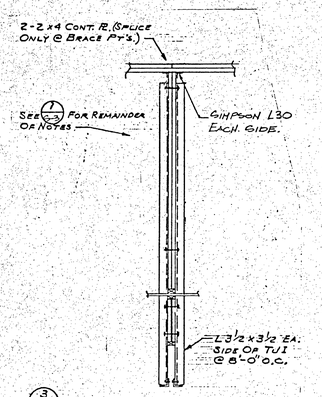
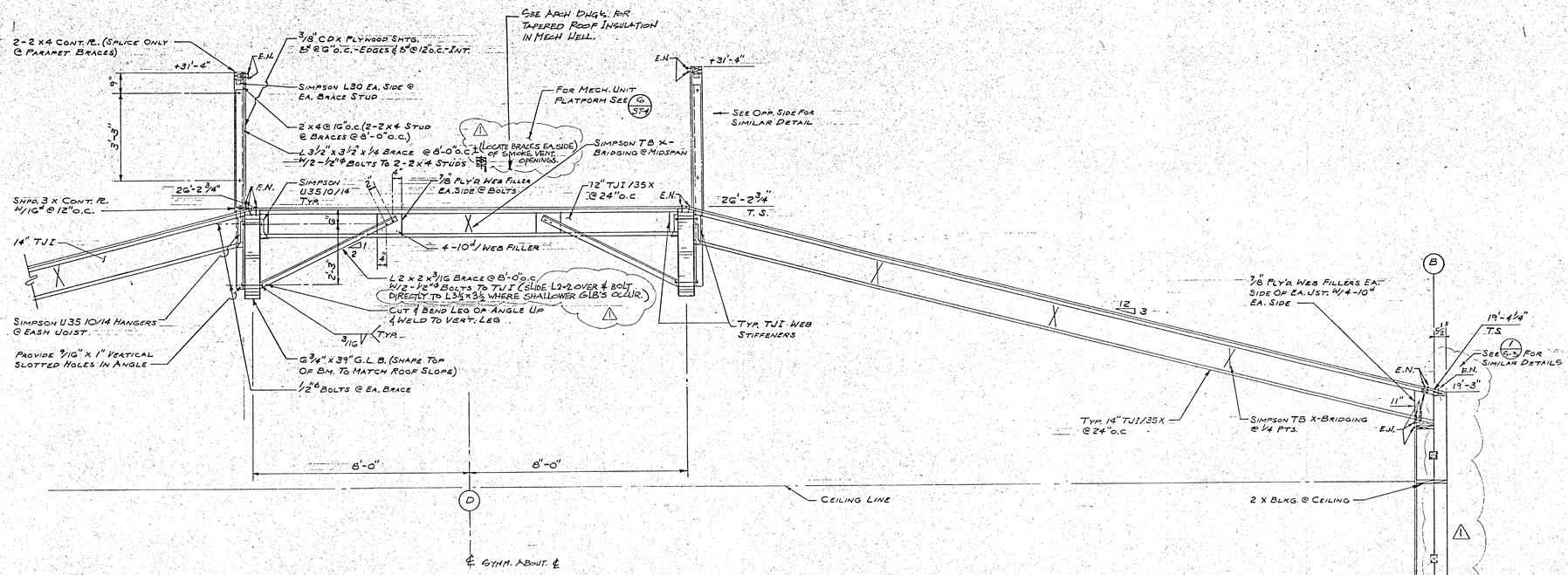
Date:	Issued for:

Date:	Revisions:
12-22-92	REMOVE HEADER, REVISE GLB SIZES, REPLACE DBL. TJI'S, HEADER CONNECTION

Drawn by: J.V.
Checked by: G.D.
Job no:
Sheet: S-2
Sheet of:
Date:



3/S-3 SECTION 1/2" = 1'-0"



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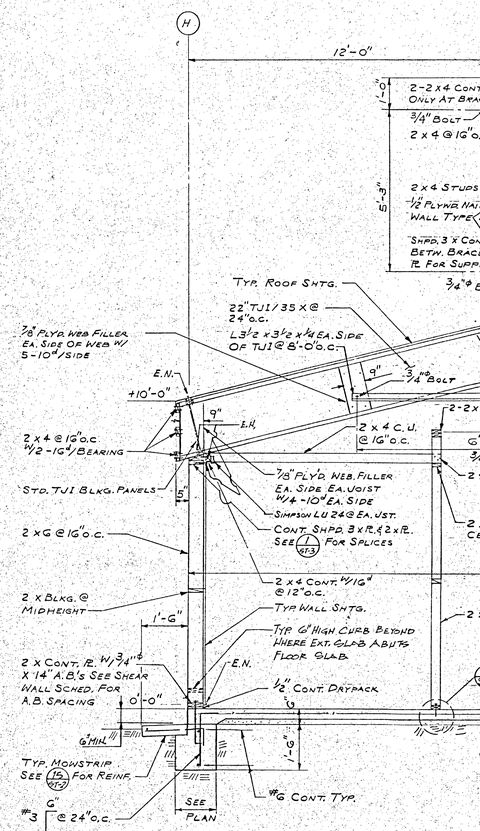
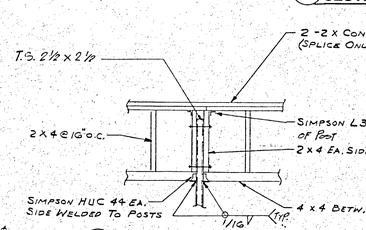
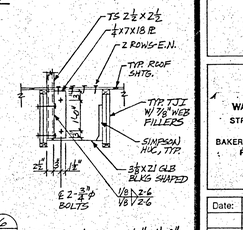


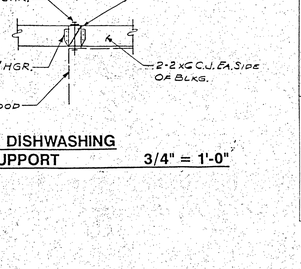
1/S-3 SECTION 1/2" = 1'-0"



4/S-3 SECTION 1/2" = 1'-0"



6/S-3 SECTION 1/2" = 1'-0"



5/S-3 TYPICAL DISHWASHING HOOD SUPPORT 3/4" = 1'-0"

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BAKERSFIELD CITY SCHOOL DISTRICT
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WARREN A. MINNER
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Date:	Revisions:
12-22-92	L-BRACING, GLB
	SIZE FURRING IN 4 LOCATIONS

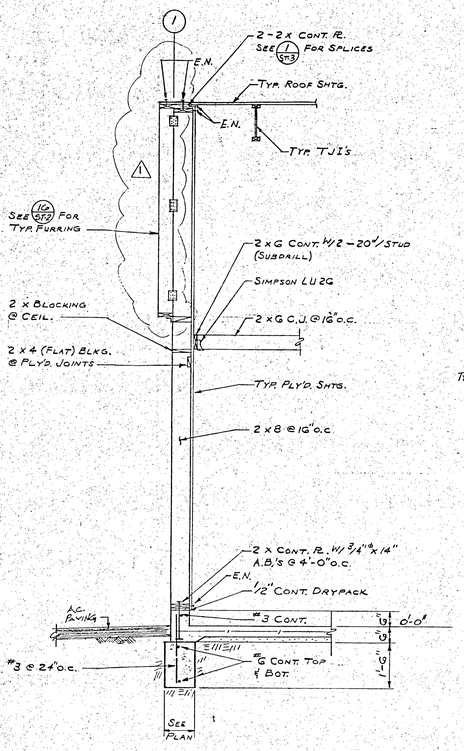
Drawn by: T.V.
Checked by: G.D.
Job no: 1921
Sheet: S-3
Sheet of:
Date:

APPROVALS

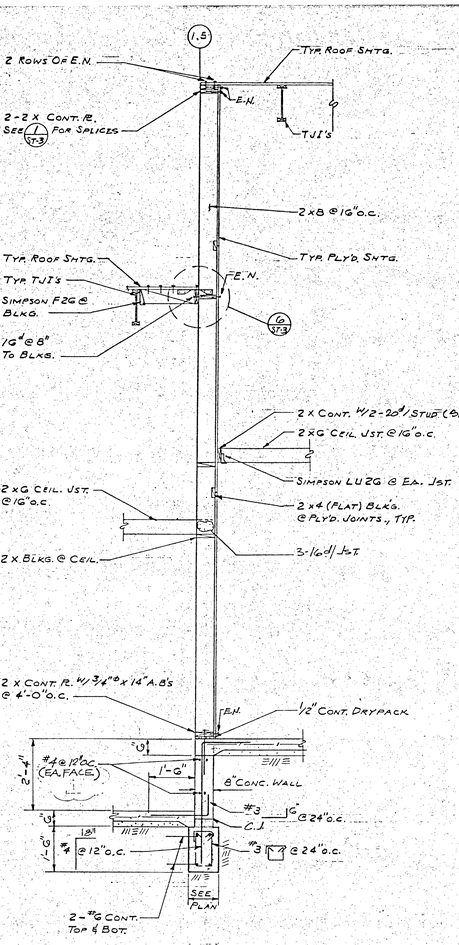
DEPARTMENT OF THE STATE ARCHITECT
Department of General Services
Office of the State Architect
PORTION 1
DATE 1-5-93
Structural Safety Section
Approved
By

REGISTERED PROFESSIONAL ENGINEER WARREN A. MINNER No. 893 STRUCTURAL STATE OF CALIFORNIA

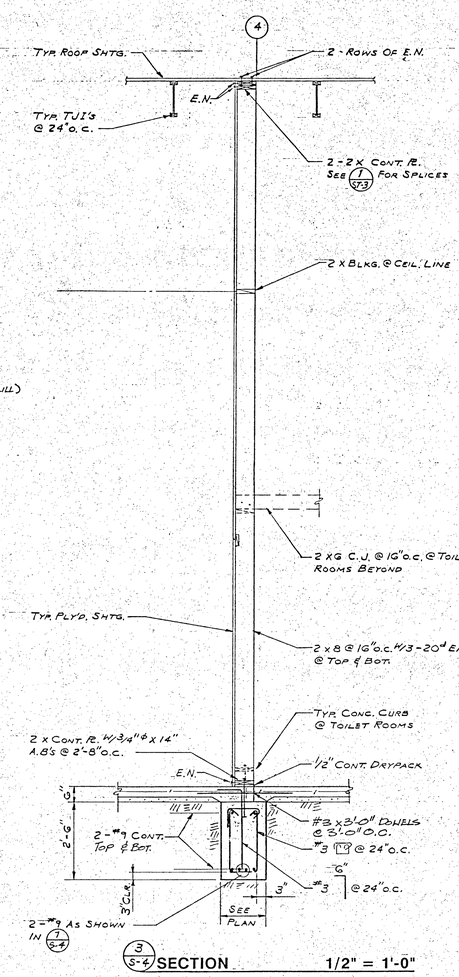
Exp. Date 12-31-96



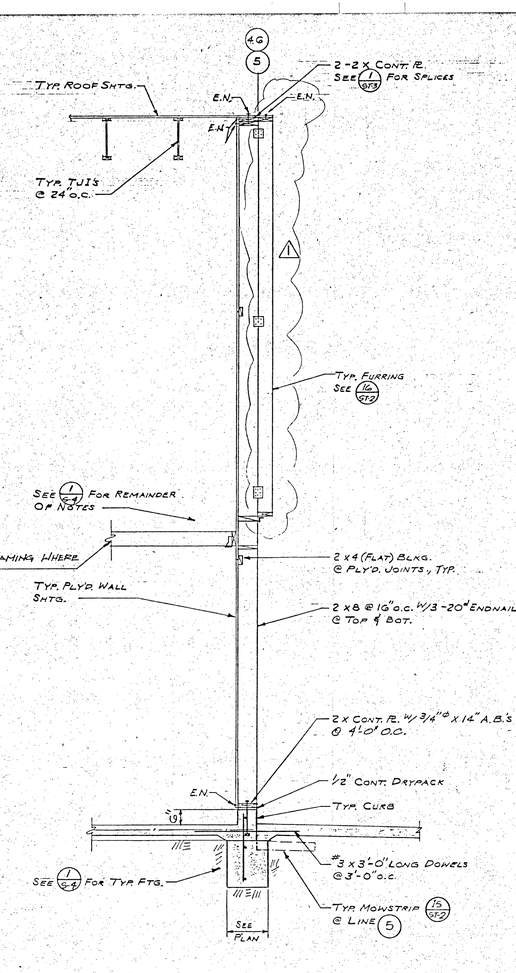
1/S-4 ENDWALL SECTION 1/2" = 1'-0"



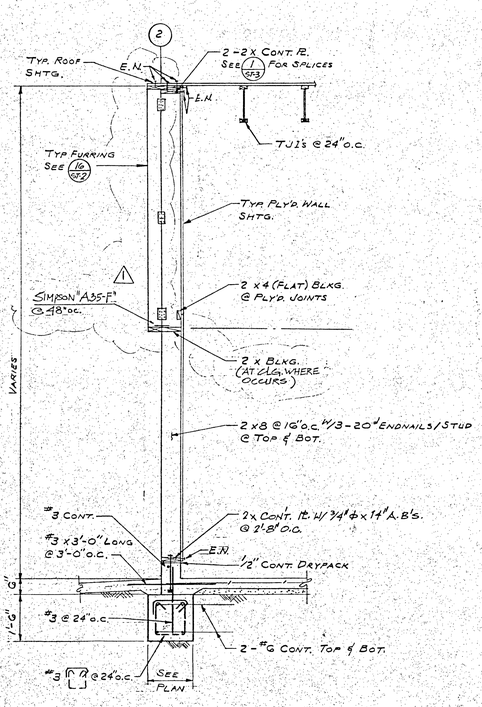
2/S-4 SECTION 1/2" = 1'-0"



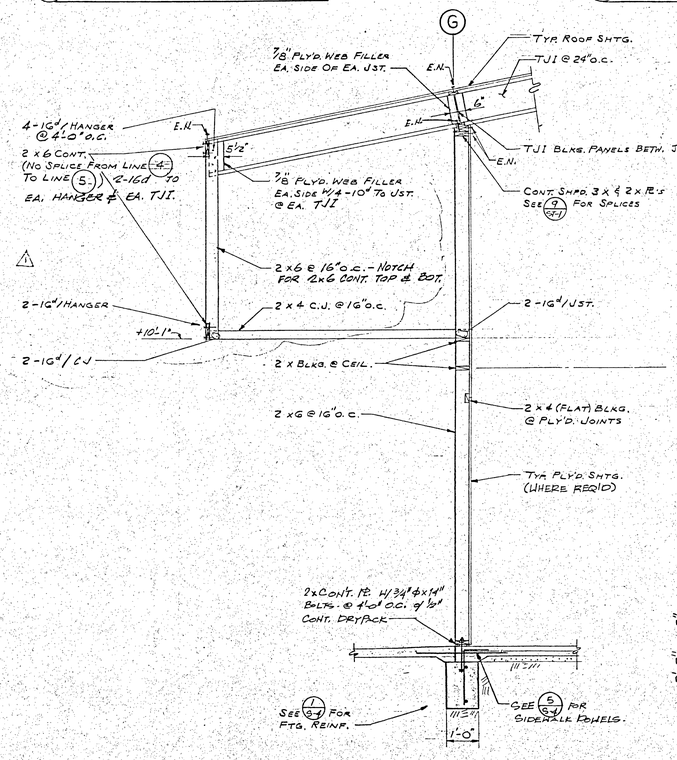
3/S-4 SECTION 1/2" = 1'-0"



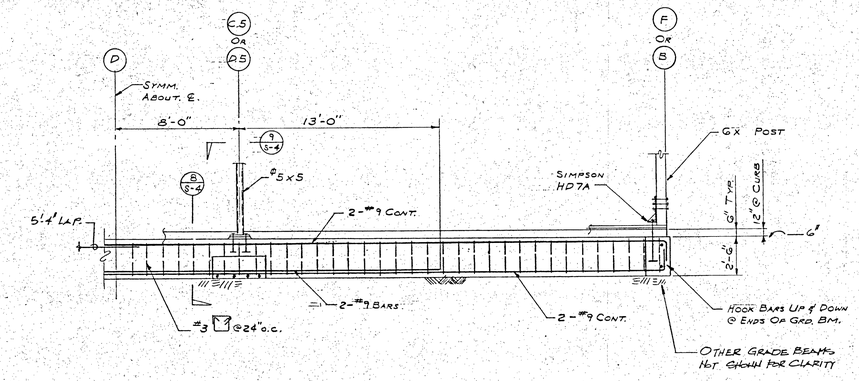
4/S-4 ENDWALL SECTION 1/2" = 1'-0"



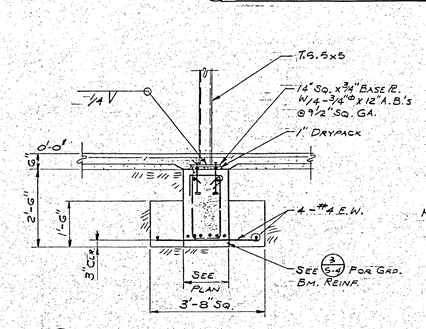
5/S-4 SECTION 1/2" = 1'-0"



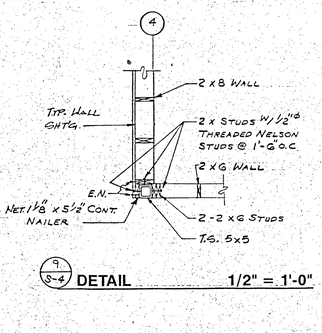
G/S-4 SECTION 1/2" = 1'-0"



7/S-4 GRADE BEAM ELEVATION 1/4" = 1'-0"



8/S-4 SECTION 1/2" = 1'-0"



9/S-4 DETAIL 1/2" = 1'-0"

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

JEWETT STREET, BAKERSFIELD, CALIFORNIA

Sheet title: CAFETERIA SECTIONS

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Date:	Revisions:
12-22-92	1 FIRE'D/L WALL REINF.

Drawn by: T.V.

Checked by: G.D.

Job no: 1921

Sheet: S-4

Sheet of:

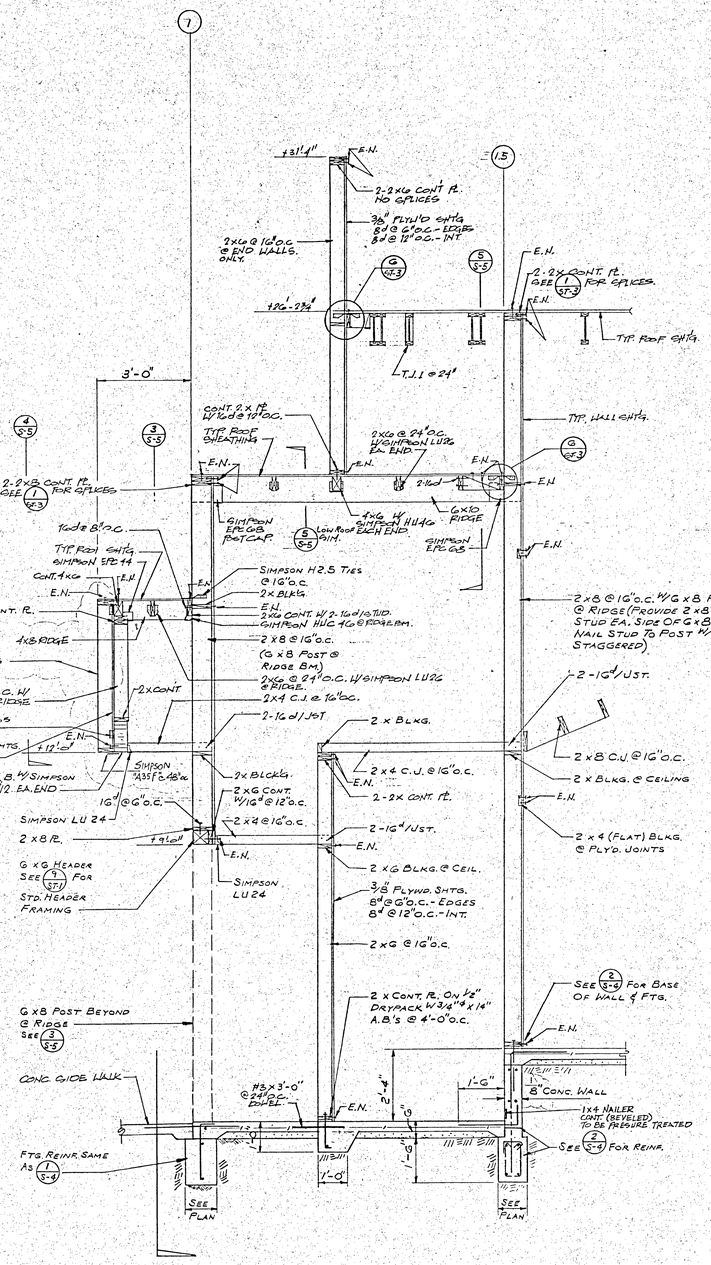
Date:

APPROVALS

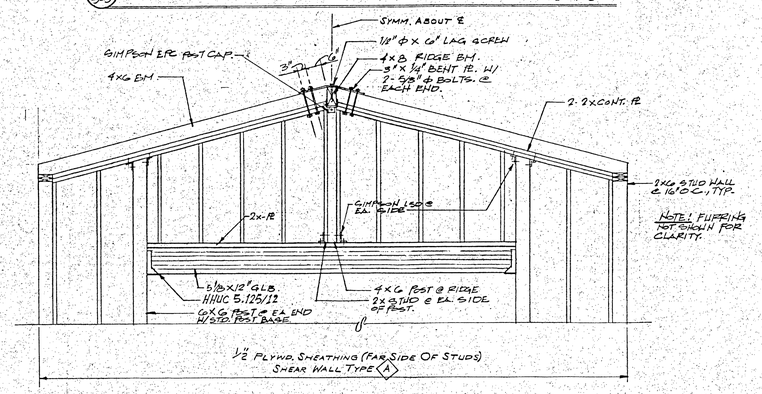
DEPARTMENT OF INDUSTRIAL RELATIONS
Department of Consumer Affairs
Office of the State Architect
Structural Safety Section
Exp. Date 12-31-93
Date Approved 1/14/94

REGISTERED PROFESSIONAL ENGINEER WARREN A. MINNER No. 863 STRUCTURAL STATE OF CALIFORNIA

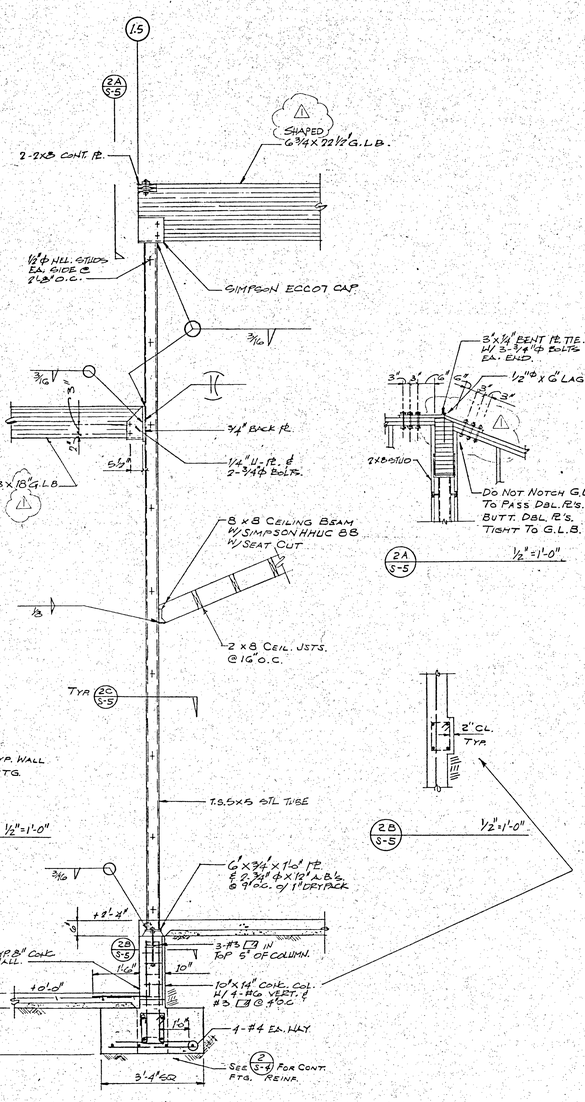
Exp. Date 12-31-96



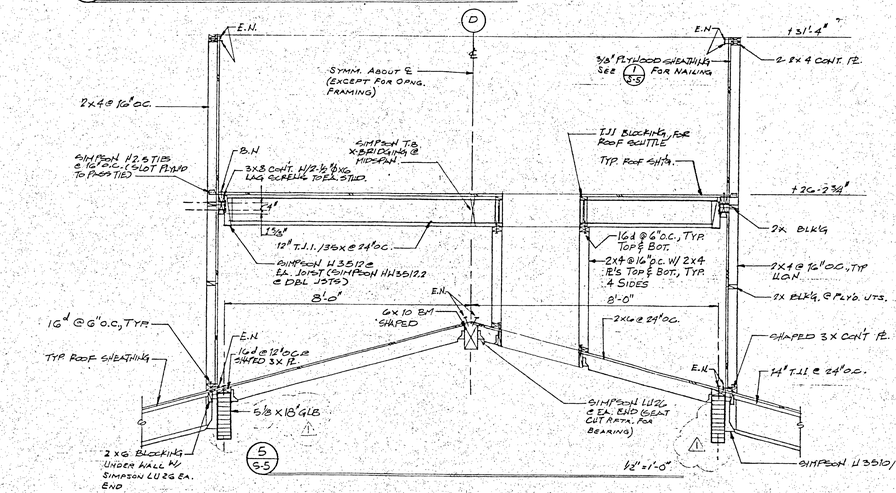
1/S-5 — 1/2" = 1'-0"



4/S-5 — 1/2" = 1'-0"



2/S-5 — 1/2" = 1'-0"



3/S-5 — 1/2" = 1'-0"

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

JEWETT STREET
BAKERSFIELD, CALIFORNIA

Sheet title: CAFETERIA SECTIONS AND DETAILS

WARREN A. MINNER
STRUCTURAL ENGINEER
1716 OAK STREET
BAKERSFIELD, CALIFORNIA 93301
PHONE (805) 324-9724
FAX (805) 324-3416

Date:	Issued for:

Date:	Revisions:
12-7-92	FIXED PL. GLB. SHOWING

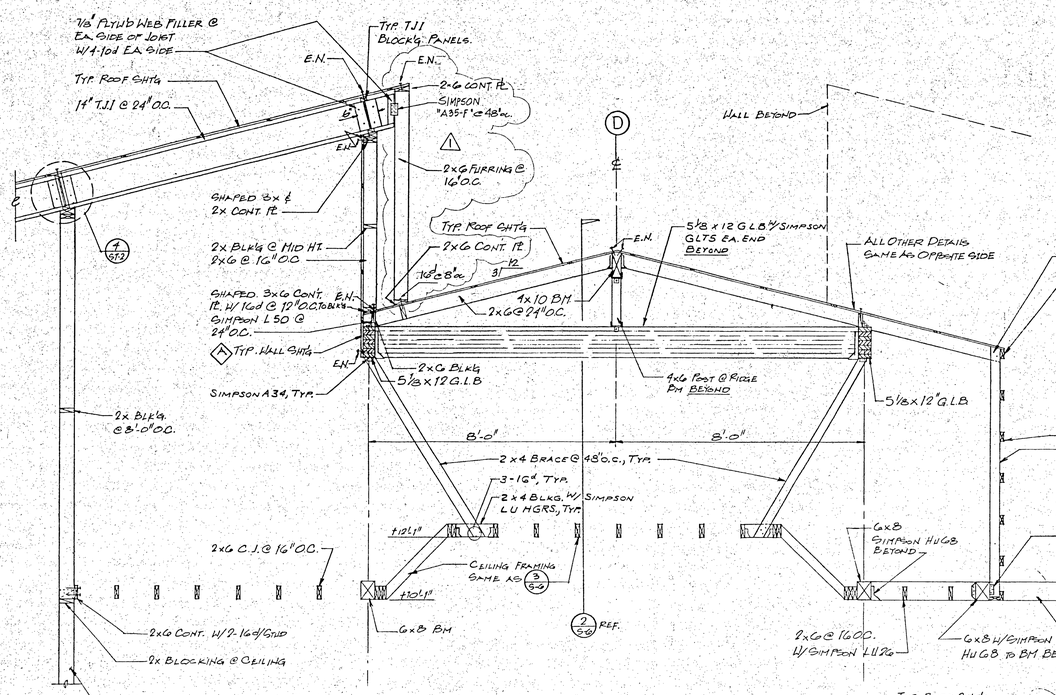
APPROVALS

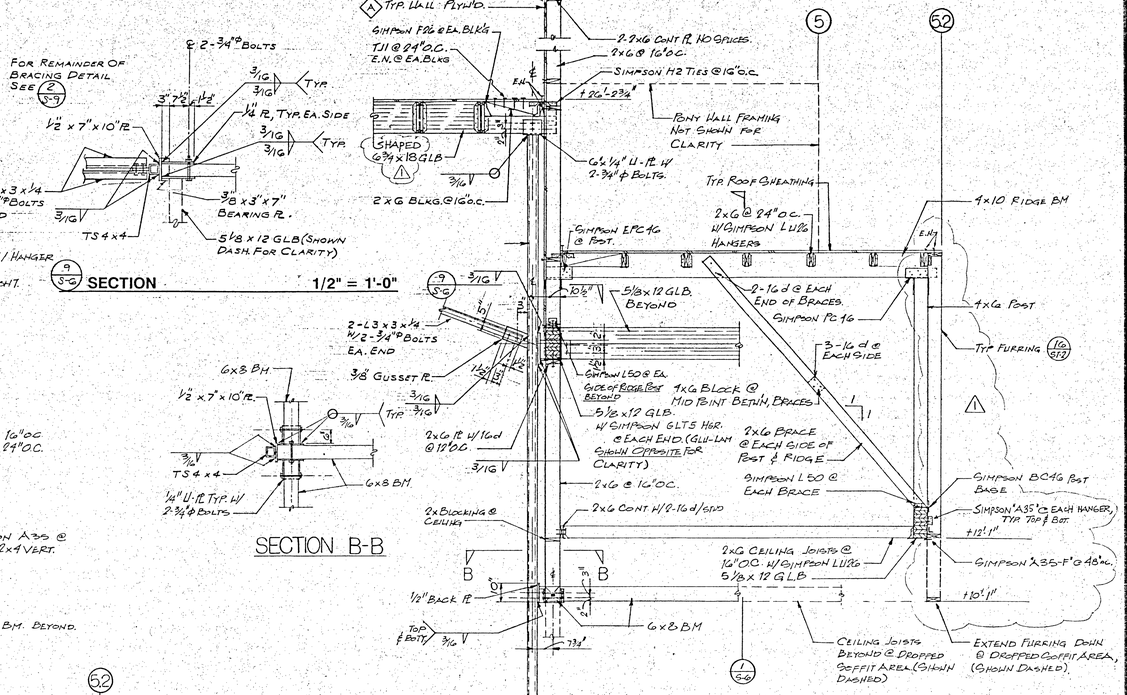
IDENTIFICATION APPROVED
Department of the State Architect
Office of the State Structural Engineer
SECTION 1
IR# 17 B05
Structural Safety Section
Approved by: [signature]
Date: 5-11-93

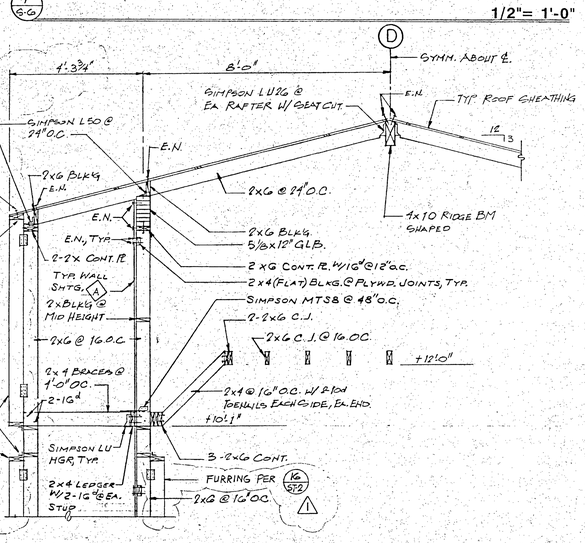
Drawn by: R J H
Checked by: G D
Job no: 1921
Sheet: S-5
Sheet of:
Date:

REGISTERED PROFESSIONAL ENGINEER — WARREN A. MINNER — No. 863 — STRUCTURAL — STATE OF CALIFORNIA

Exp. Date 12-31-96







KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Driv
Bakersfield, CA 933
(805) 327-0875
(805) 327-5933 Fax

LICENSED ARCHITECT L. PHIL KLASSEN C10401 EXP. 1-31-95 STATE OF CALIFORNIA

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Written dimensions on these drawings shall have prec over scaled dimension. contractors shall verify an responsible for all dimensions and conditions on the sh this office must be notified of any variations from dimensions and conditions shown by these drawings. S details must be submitted to this office for approval b proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
JEWETT STREET
BAKERSFIELD, CALIFORNIA
Sheet title: CAFETERIA SECTIONS AND DETAILS

WARREN A. MINNER
STRUCTURAL ENGINEER . . .
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Date:	Issued for:

Date:	Revisions:
12-22-92	FURRING GLB SIZE & SPACING

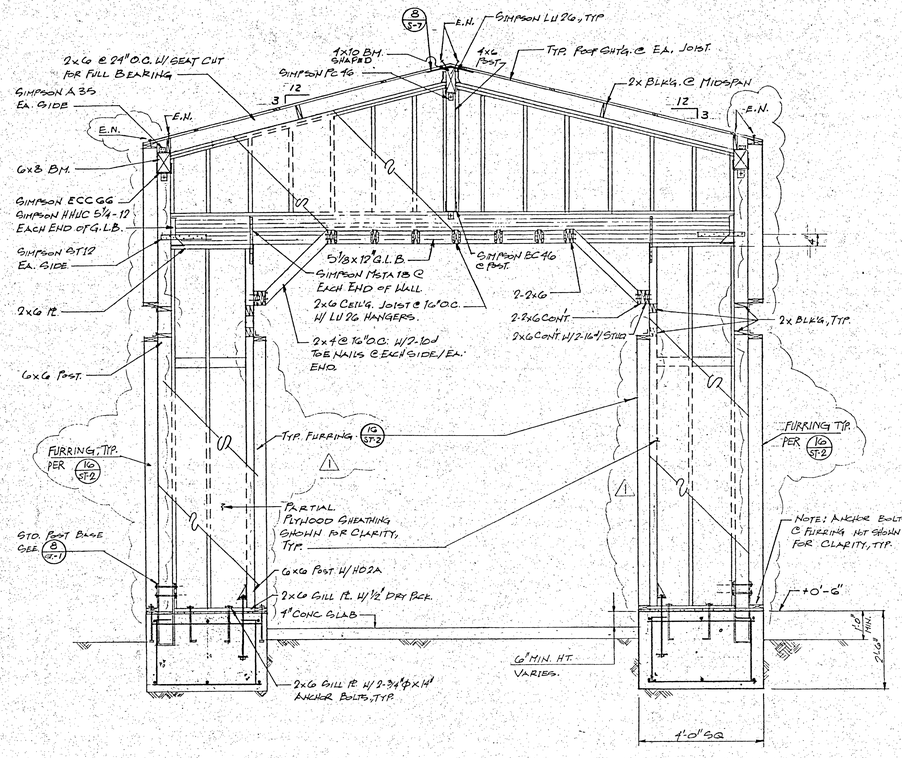
Drawn by: R.J.H
Checked by: G.D.
Job no: 1921
Sheet: S-6
Sheet of:
Date:

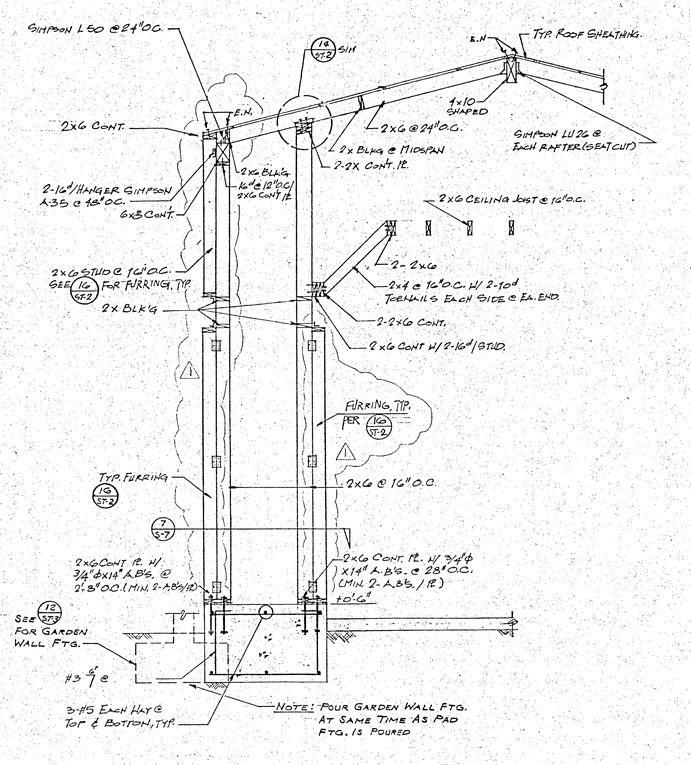
APPROVALS

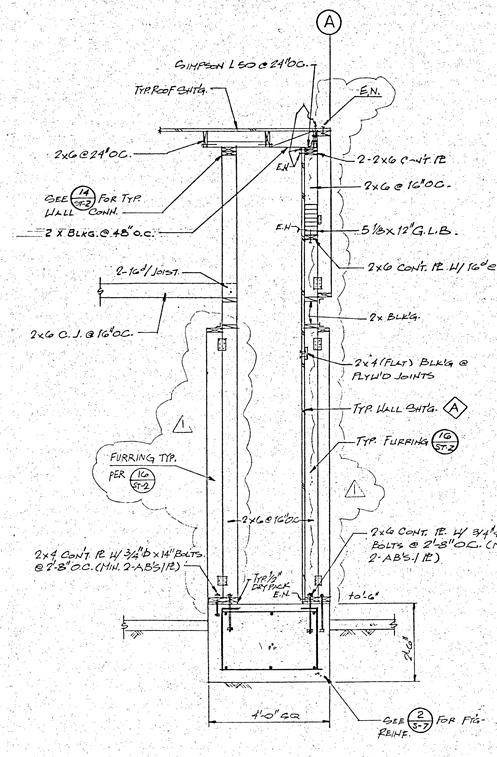
Department of Industrial Relations
Office of the State Architect
PORTION 1
M.I. 1933
Structural Safety Section

REGISTERED PROFESSIONAL ENGINEER WARREN A. MINNER No. 663 STRUCTURAL STATE OF CALIFORNIA

Exp. Date 12-31-95







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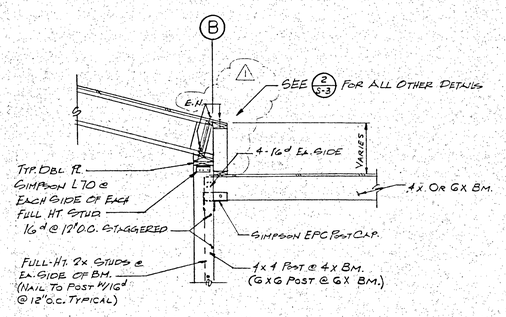

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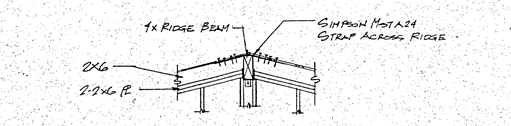
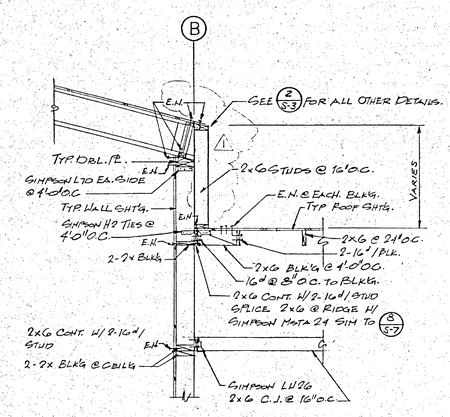


8/S-7 1½"=1'-0"

2/S-7 1½"=1'-0"



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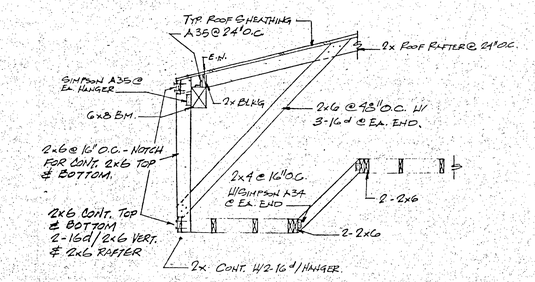
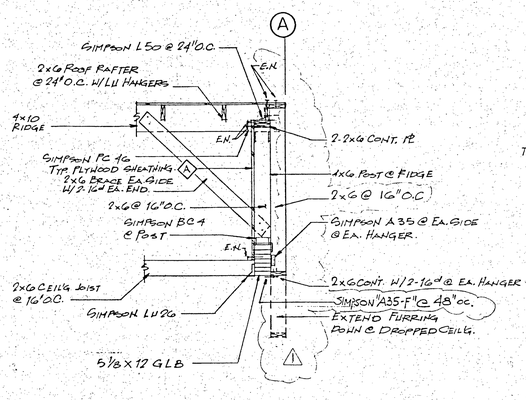


9/S-7 1½"=1'-0"

3/S-7 1½"=1'-0"



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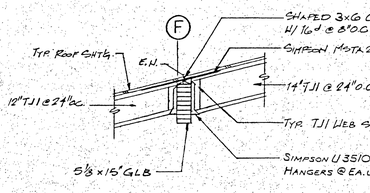
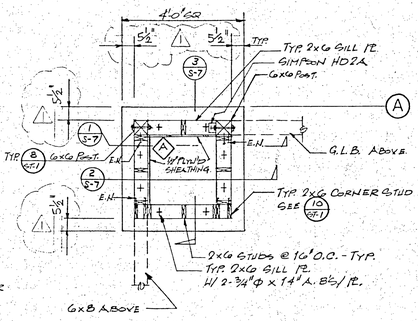


10/S-7 1½"=1'-0"



7/S-7 1½"=1'-0"

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LICENSED ARCHITECT L. PHIL KLASSEN C10401 REN 1-31-96 STATE OF CALIFORNIA

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Written dimensions on these drawings shall have prece over scaled dimension. contractors shall verify all dimensions and conditions on the jo this office must be notified of any variations from dimensions and conditions shown by these drawings. Sh details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

JEWETT STREET
BAKERSFIELD, CALIFORNIA

Sheet title: CAFETERIA SECTIONS & DETAILS

WARREN A. MINNER
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BAKERSFIELD, CALIFORNIA 93
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Date:	Issued for:

Date:	Revisions:
12.2.92	1 FURRING
	2
	3
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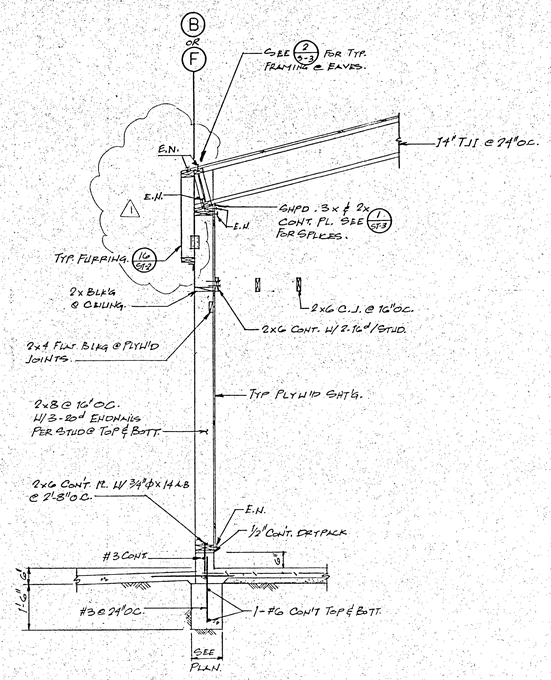
APPROVALS

PORTION 1 DSA Structural Safety Section

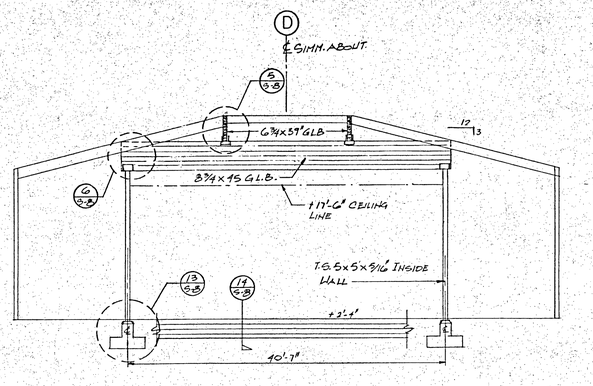
REGISTERED PROFESSIONAL ENGINEER WARREN A. MINNER No. 953 STRUCTURAL STATE OF CALIFORNIA

Exp. Date 12-31-96

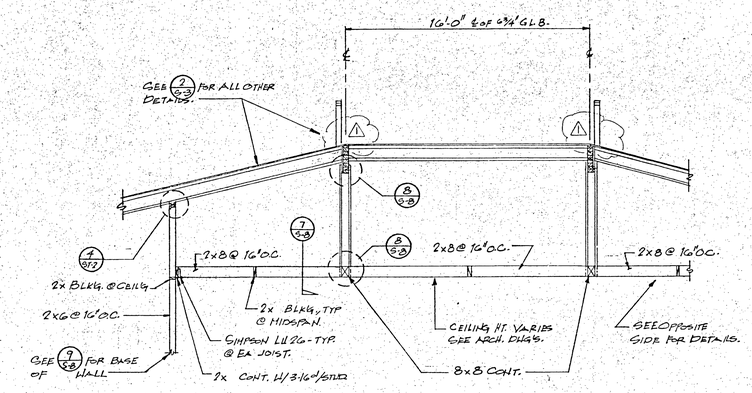
Drawn by: R J. H
Checked by: GD
Job no.: 1921
Sheet: S-7
Sheet of:
Date:



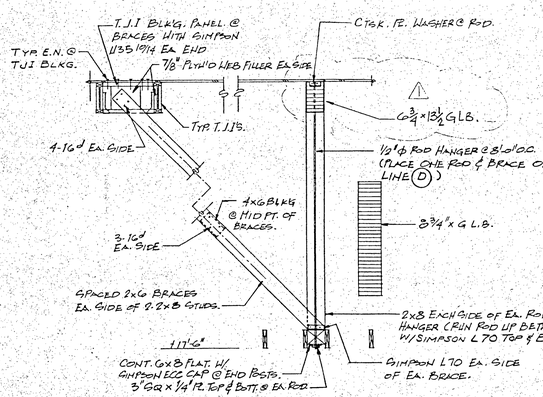
1/S-8 **1/2"= 1'-0"**



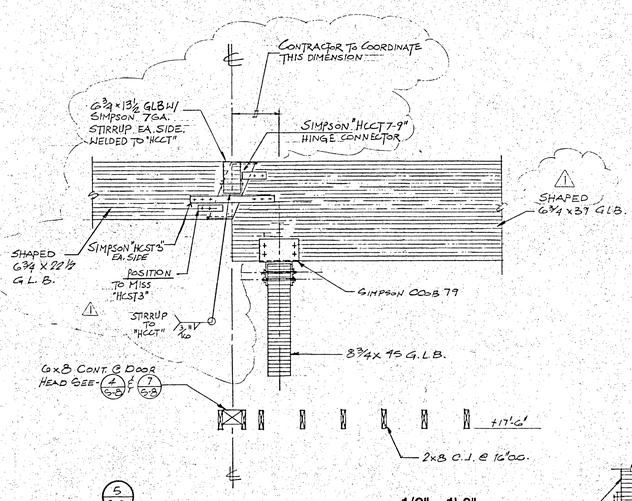
2/S-8 **PROSCENIUM OPENING ELEVATION** **1/8"= 1'-0"**



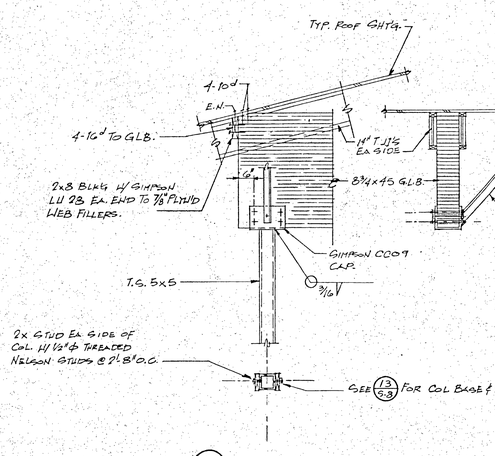
3/S-8 **CEILING FRAMING SECTION OVER STAGE** **1/2"= 1'-0"**



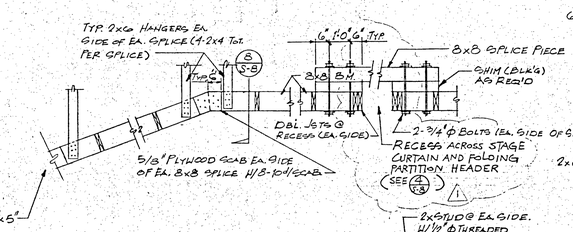
4/S-8 **FOLDING PARTITION** **1/2"= 1'-0"**



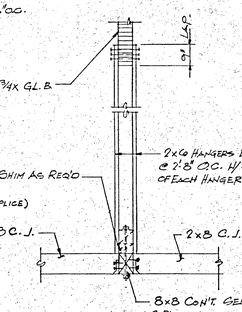
5/S-8 **1/2"= 1'-0"**



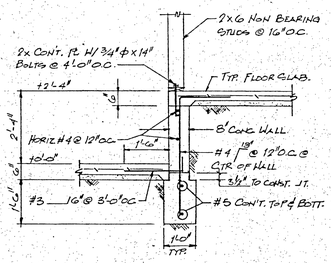
6/S-8 **1/2"= 1'-0"**



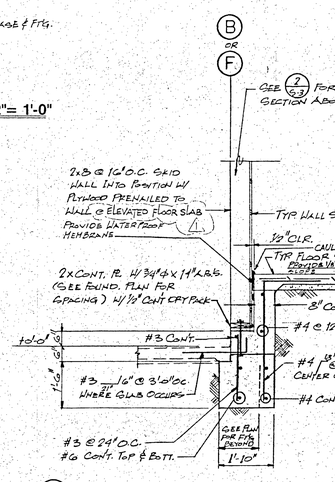
7/S-8 **CEILING BEAM SPLICES** **1/2"= 1'-0"**



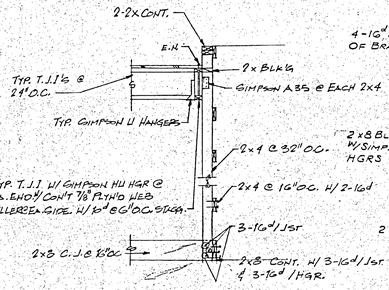
8/S-8 **1/2"= 1'-0"**



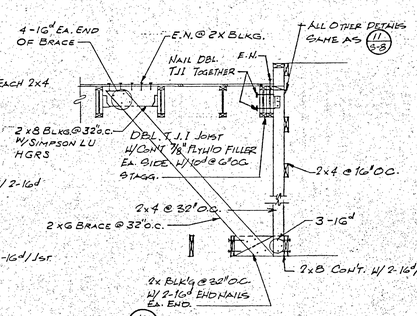
9/S-8 **PLATFORM WALLS** **1/2"= 1'-0"**



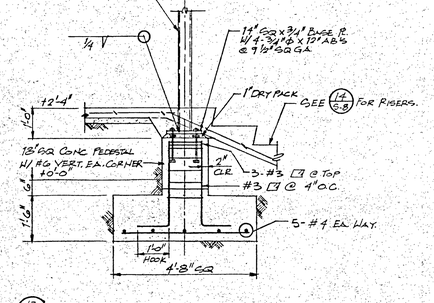
10/S-8 **1/2"= 1'-0"**



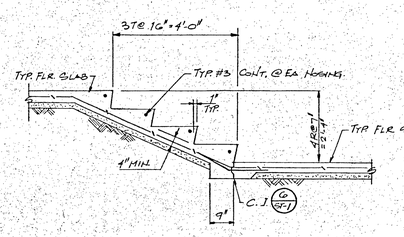
11/S-8 **SMOKE VENT FRAMING** **1/2"= 1'-0"**



12/S-8 **SMOKE VENT FRAMING** **1/2"= 1'-0"**



13/S-8 **1/2"= 1'-0"**



14/S-8 **PLATFORM RISERS** **1/2"= 1'-0"**
CONCRETE STEPS SIMILAR

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LICENSED ARCHITECT L PHIL KLASSEN C10425 REN 1-31-96 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

JEWETT STREET
BAKERSFIELD, CALIFORNIA

Sheet title: **CAFETERIA SECTIONS AND DETAILS**

WARREN A. MINNER
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BAKERSFIELD, CALIFORNIA 93301
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FAX (805) 324-3418

Date:	Issued for:

Date:	Revisions:
12-22-92	PARKING SIGN SPEC CHANGES 1 CHANGE
	PLYWOOD NAILING

Drawn by: R J. H

Checked by: GD

Job no: 1921

Sheet: **S-8**

Sheet of:

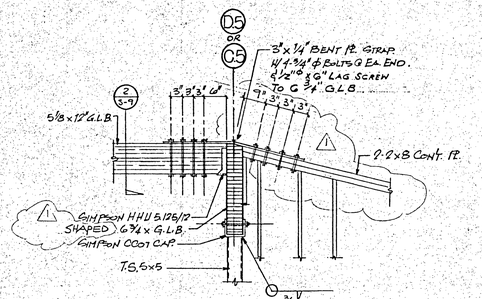
Date:

APPROVALS

DEPARTMENT OF GENERAL SERVICES
Division of Structural Safety
Approved for the State Architect
PORTION 1
APR 11 1995
Division of Structural Safety Section
Application No. 94 33 52
By: M. K. Lee

REGISTERED PROFESSIONAL ENGINEER WARREN A. MINNER No. 863 STRUCTURAL STATE OF CALIFORNIA

Exp. Date 12-31-95



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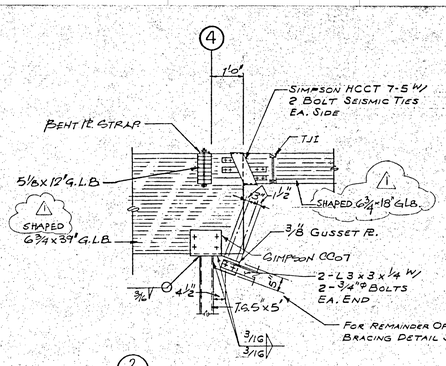

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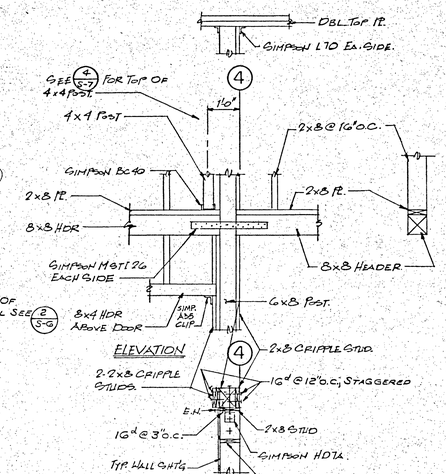

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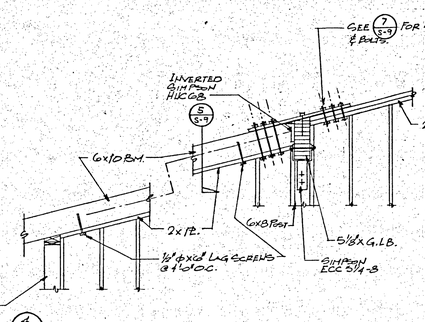

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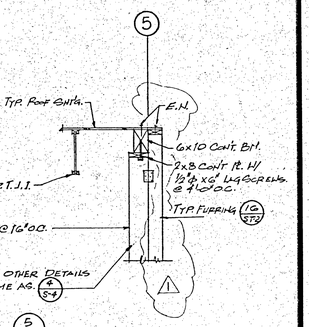

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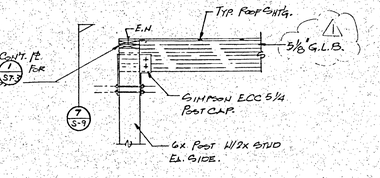

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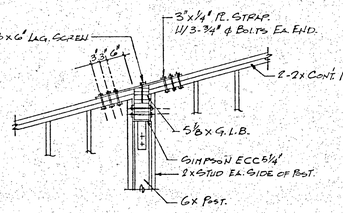

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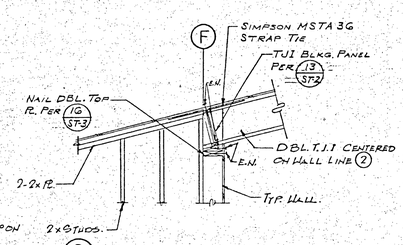
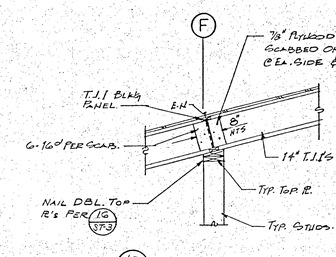
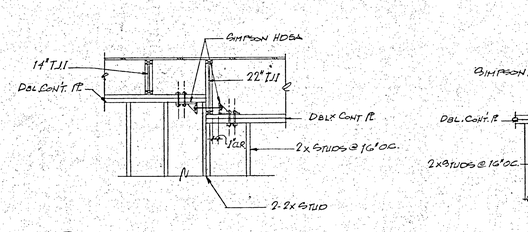


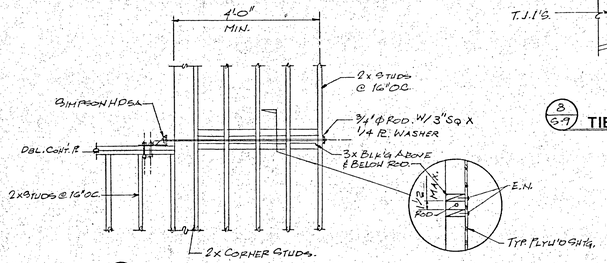
DRAG TIE AT (F)(2) 1/2"= 1'-0"



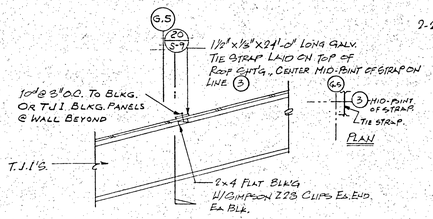
TYP. T.J.I. SPLICE 1/2"= 1'-0"



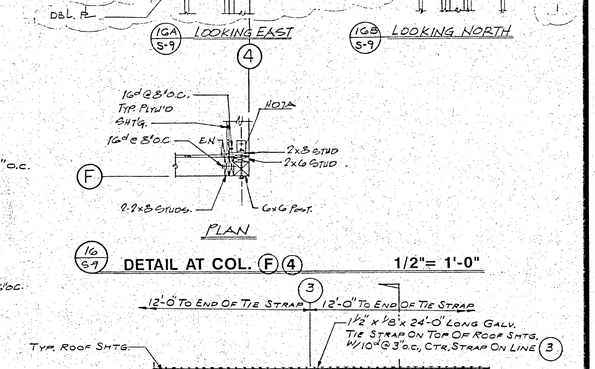
DOUBLE PLATE STEP 1/2"= 1'-0"



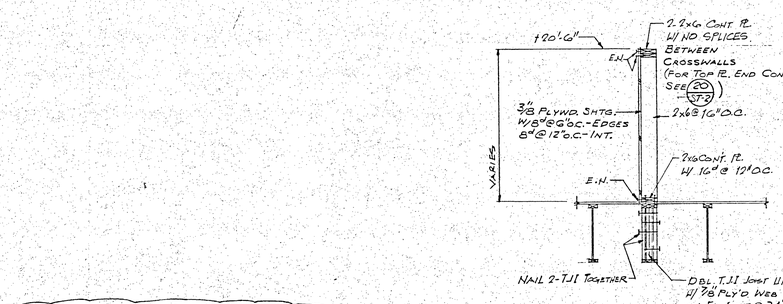
1/2"= 1'-0"



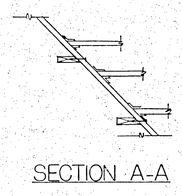
TIE AT (3)(G.5) 1/2"= 1'-0"



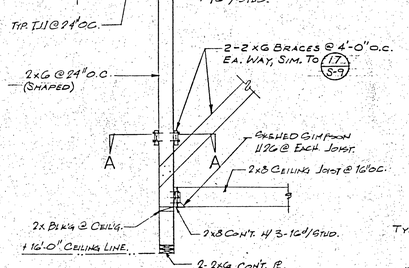
DETAIL AT COL. (F)(4) 1/2"= 1'-0"



MECH. WELL ENDWALL OVER KITCHEN 1/2"= 1'-0"



CEILING BREAK 1/2"= 1'-0"



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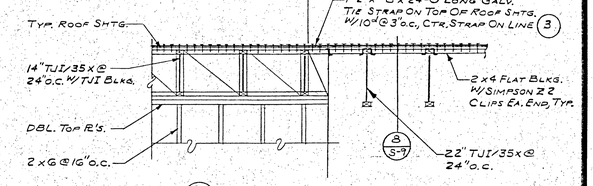
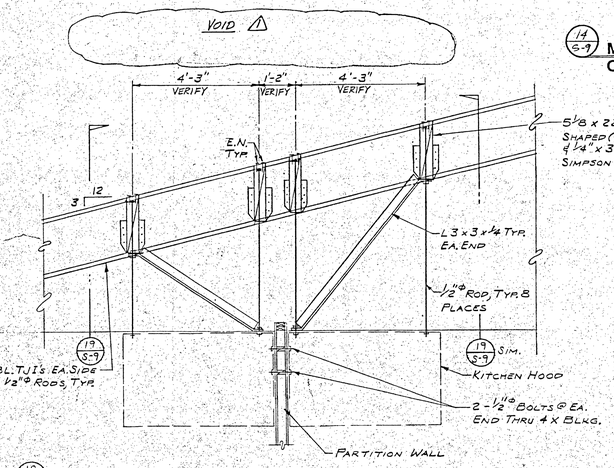
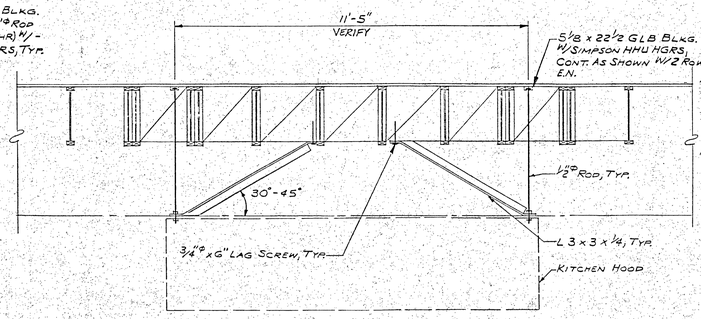


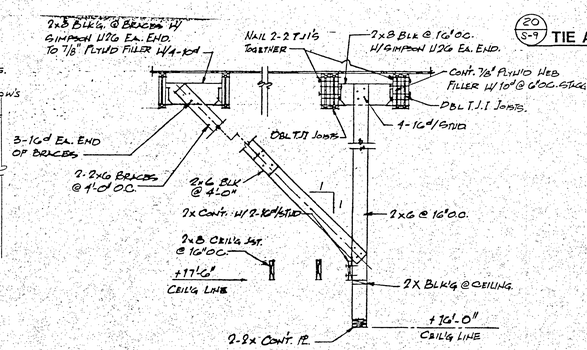
TIE AT (3)(G5) 1/2" = 1'-0"



TYPICAL KITCHEN HOOD SUPPORT 1/2" = 1'-0"

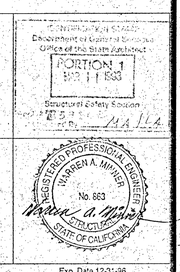


SECTION 1/2" = 1'-0"



CEILING BREAK 1/2"= 1'-0"

APPROVALS



Exp. Date 12-31-96

KLASSEN CORPORATION
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LICENSED ARCHITECT LIC. NO. C10405 REN. 1-31-98 STATE OF CALIFORNIA

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Written dimensions on these drawings shall have prece over scaled dimension. contractors shall verify all r responsible for all dimensions and conditions on the jo this office must be notified of any variations from dimensions and conditions shown by these drawings. Sh details must be submitted to this office for approval b fore proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

JEWETT STREET
BAKERSFIELD, CALIFORNIA

Sheet title: CAFETERIA SECTIONS & DETAILS

WARREN A. MINNER
STRUCTURAL ENGINEER
1716 OAK STREET
BAKERSFIELD, CALIFORNIA 93
PHONE (805) 324-9724
FAX (805) 324-3418

Date:	Issued for:

Date:	Revisions:
12-22-95	SLB STEEL & SHEAR WALL PLANS & DETAILS PER WAM approval

Drawn by: R.J.H

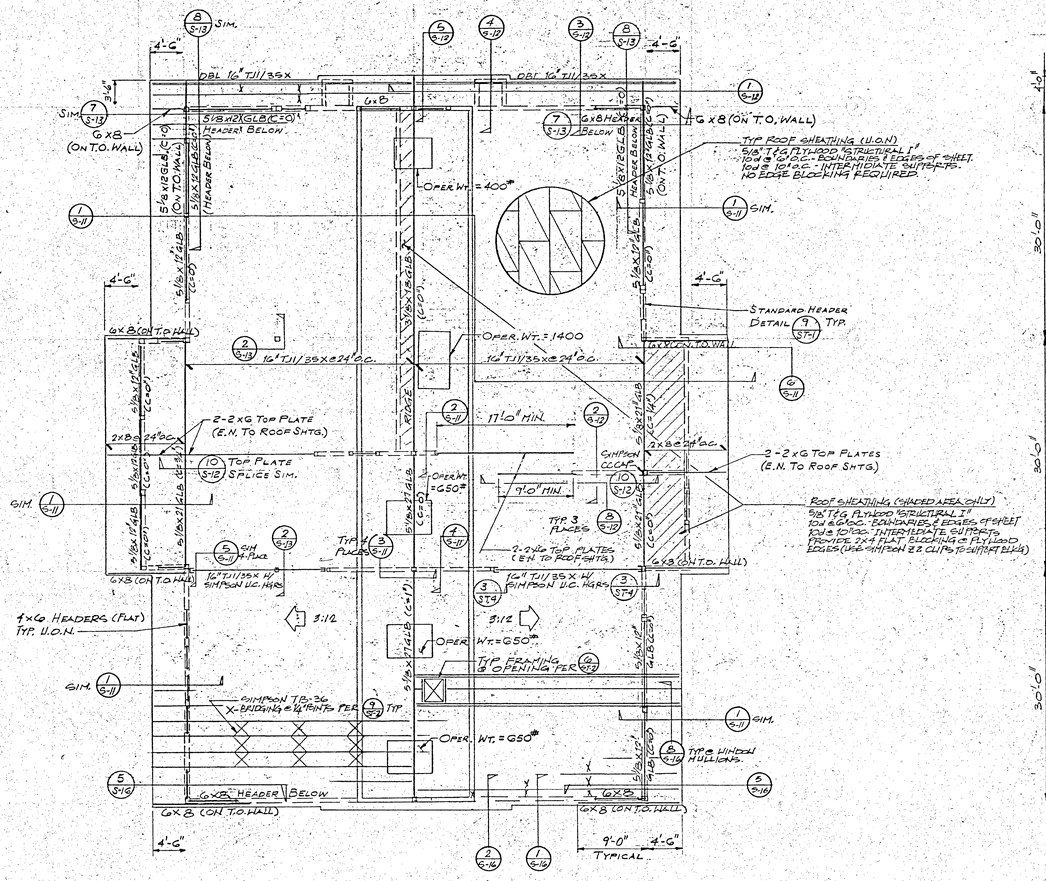
Checked by: G.D

Job no: 1921

Sheet: S-9

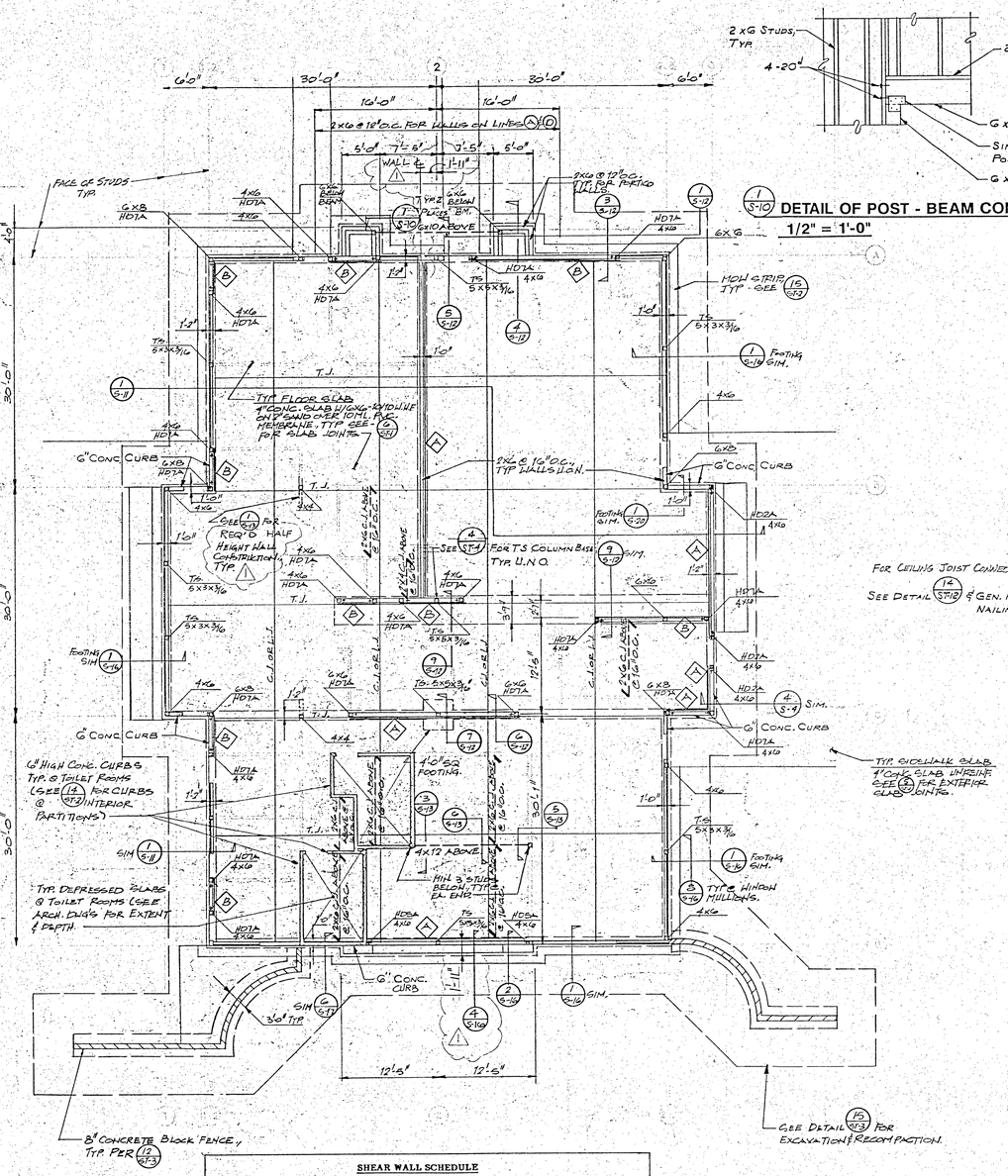
Sheet of:

Date:



N ROOF FRAMING PLAN

1/8"= 1'-0"



N FOUNDATION PLAN

1/8"= 1'-0"

SEE 17 ST-2 FOR POST BASE DETAIL AT STUD ANCHORS (SIMPSON HD HOLDOWNS).
OTHERWISE, SEE 8 ST-1 FOR POST BASE DETAIL.

SHEAR WALL SCHEDULE

TYPE	EDGES NAILING	INTERM.	EDGE MEMBERS	SILL PLATE THICKNESS	ANCHOR BOLTS *	ALLOW. SHEAR
A	10d @ 6"	10d @ 12"	2X	2X	3/4" ø x 14" @ 48"	340#/FT
B	10d @ 4"	10d @ 12"	2X	2X	3/4" ø x 14" @ 32"	510#/FT
C	10d @ 3"	10d @ 12"	3X	2X	3/4" ø x 14" @ 32"	665#/FT

*Min. 2 bolts per shear panel.

1. All plywood to be 1/2" (net) Structural I (C-D) with all edges blocked.
2. Shear walls more than one vertical panel in height shall have staggered spliced joints.
3. Typically, full 4' x 8' sheets shall be used for plywood shear panels. No plywood sheet less than 12" wide shall be used in any shear panel.
4. Edge member is the minimum nominal thickness of studs and blocking at plywood edges.

APPROVALS

DISTRIBUTION BY: Department of County Services Office of the State Architect
PORTION 1
Structural Safety Section
Approved By: [illegible]

REGISTERED PROFESSIONAL ENGINEER WARREN A. MINNER No. 863 CIVIL STATE OF CALIFORNIA
Exp. Date 12-31-96

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LICENSED ARCHITECT PHIL KLASSEN C10401 REN. 1-31-95 STATE OF CALIFORNIA

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Written dimensions on these drawings shall have precedence over scaled dimension; contractors shall verify and be responsible for all dimensions and conditions on the job. This office must be notified of any variations from the dimensions and conditions shown by these drawings and/or details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

JEWETT STREET
BAKERSFIELD, CALIFORNIA

Sheet title: **ADMINISTRATION & LIBRARY BUILDING**
FOUNDATION PLAN & ROOF FRAMING PLAN

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Date:	Issued for:

Date:	Revisions:
12-22-92	1 DIMENSIONS REVISED PER SECTION 2 SHEET S-2
	2
	3
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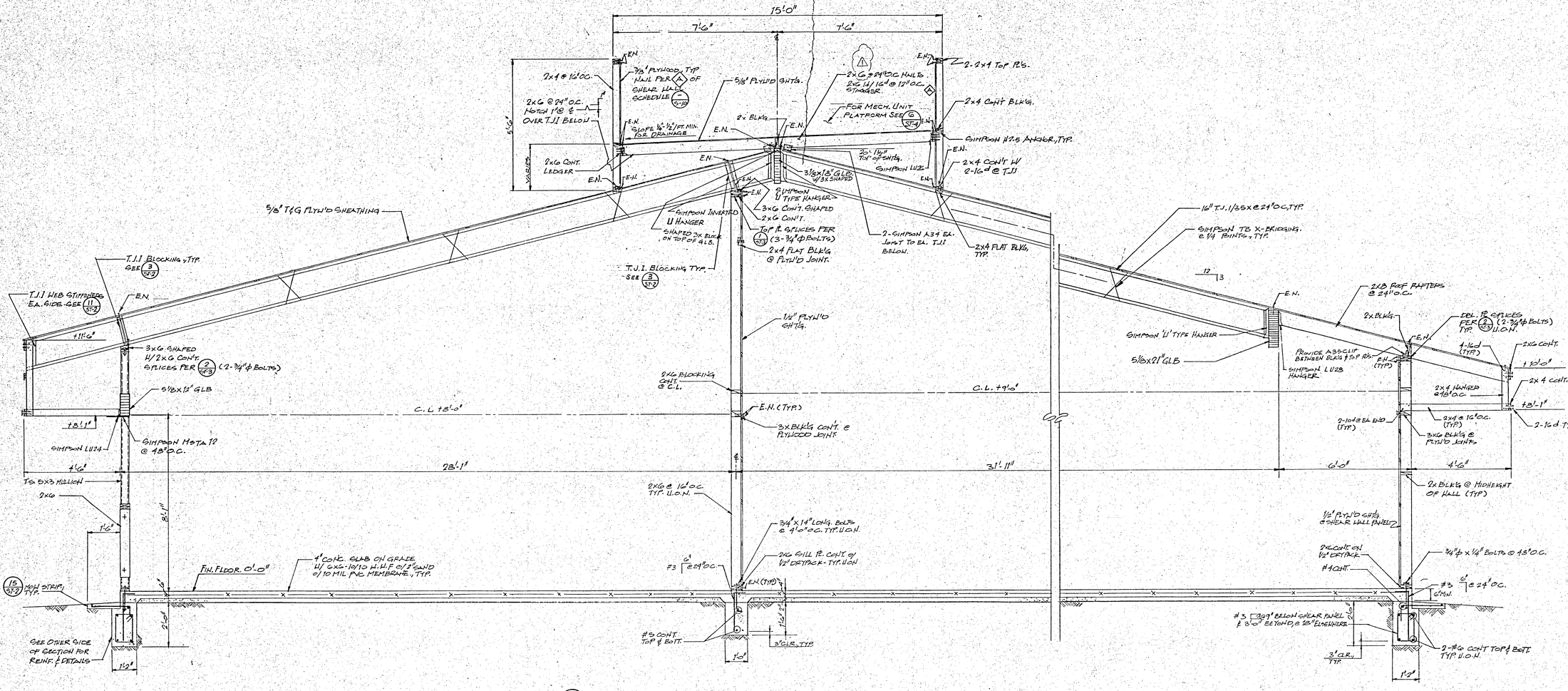
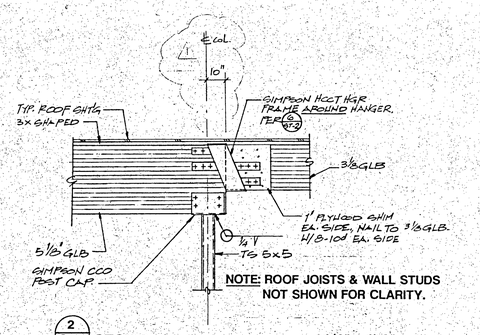
	5

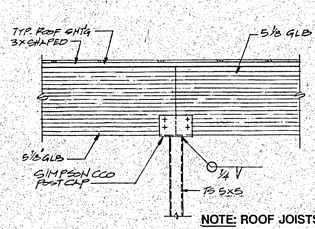
Drawn by: R.J.H
Checked by: R.C.S
Job no:
Sheet: **S-10**
Sheet of:
Date:



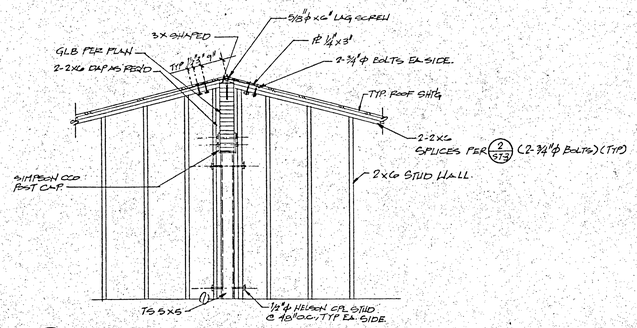
1 S-11 SECTION THROUGH ADMINISTRATION AND LIBRARY BUILDING 1/2"= 1'-0"



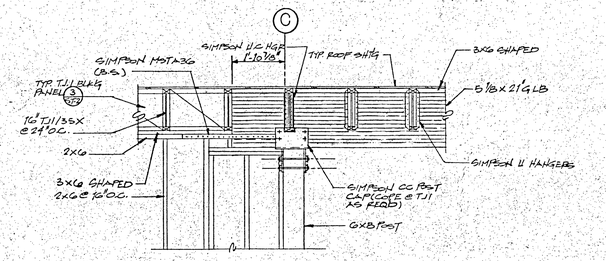
2 S-11 SECTION 1/2"= 1'-0"



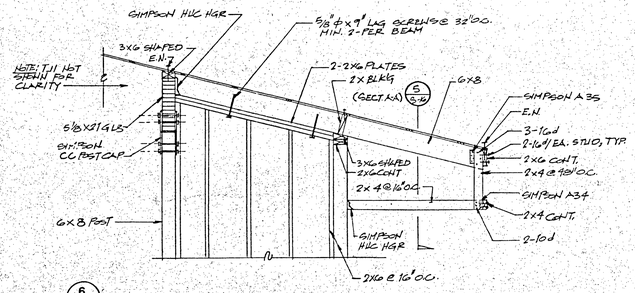
4 S-11 SECTION 1/2"= 1'-0"



3 S-11 SECTION 1/2"= 1'-0"



5 S-11 SECTION 1/2"= 1'-0"



6 S-11 SECTION 1/2"= 1'-0"

APPROVALS

BUILDING SAFETY DIVISION
Department of General Services
Office of the State Architect
APPLICATION 1921 11 1993
Structural Safety Section
Approved by: [illegible]
Date: 11/1/94

REGISTERED PROFESSIONAL ENGINEER WARREN A. MINNER No. 863 STRUCTURAL STATE OF CALIFORNIA
Exp. Date: 12-31-95

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LICENSED ARCHITECT L. PAUL KLASSEN C10401 REN 1-31-95 STATE OF CALIFORNIA

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Written dimensions on these drawings shall have precedence over scaled dimension. contractors shall verify and be responsible for all dimensions and conditions on the job. Any discrepancies in this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop drawings must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
JEWETT STREET
BAKERSFIELD, CALIFORNIA
Sheet title: ADMINISTRATION & LIBRARY BUILDING
SECTIONS & DETAILS

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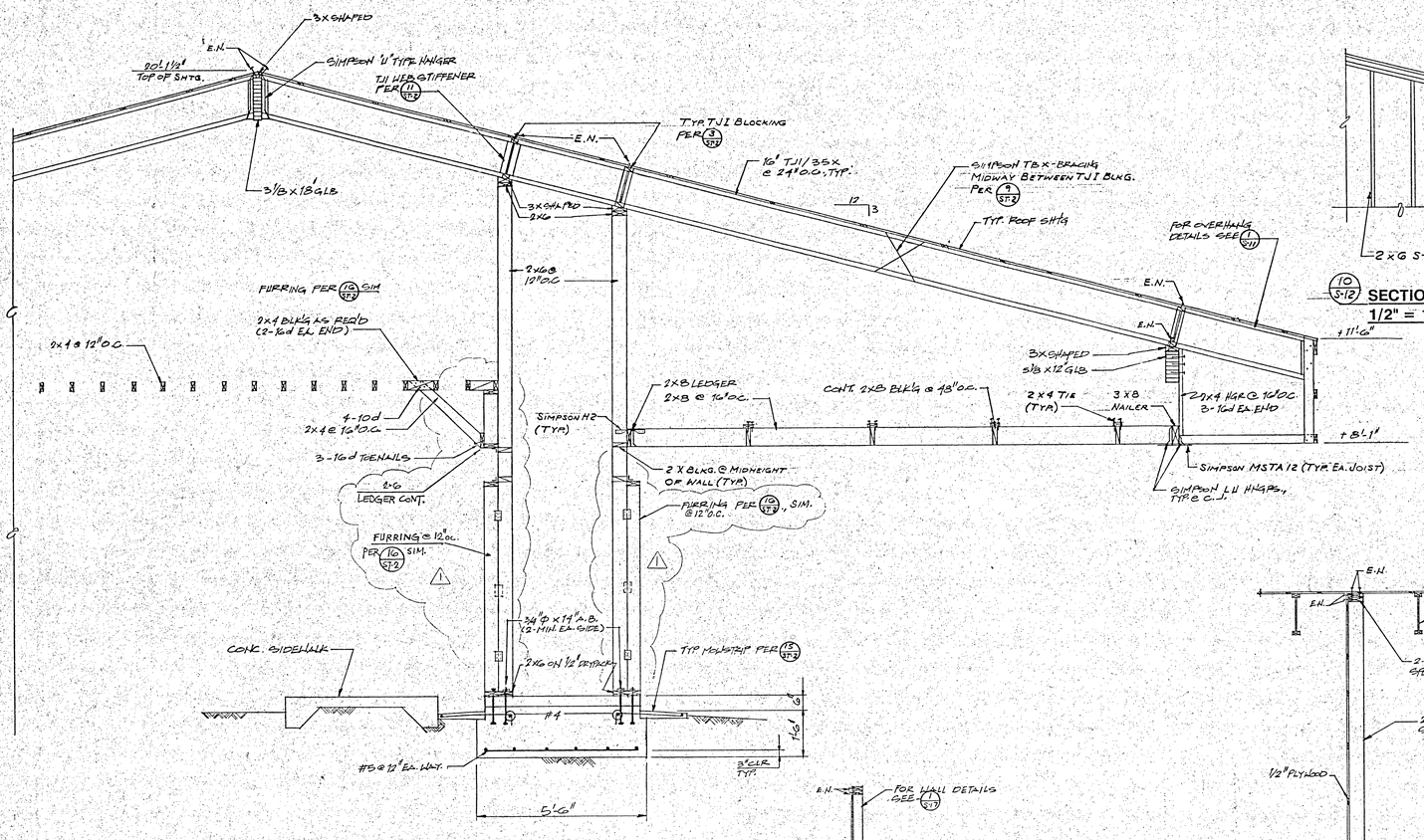
Date:	Issued for:

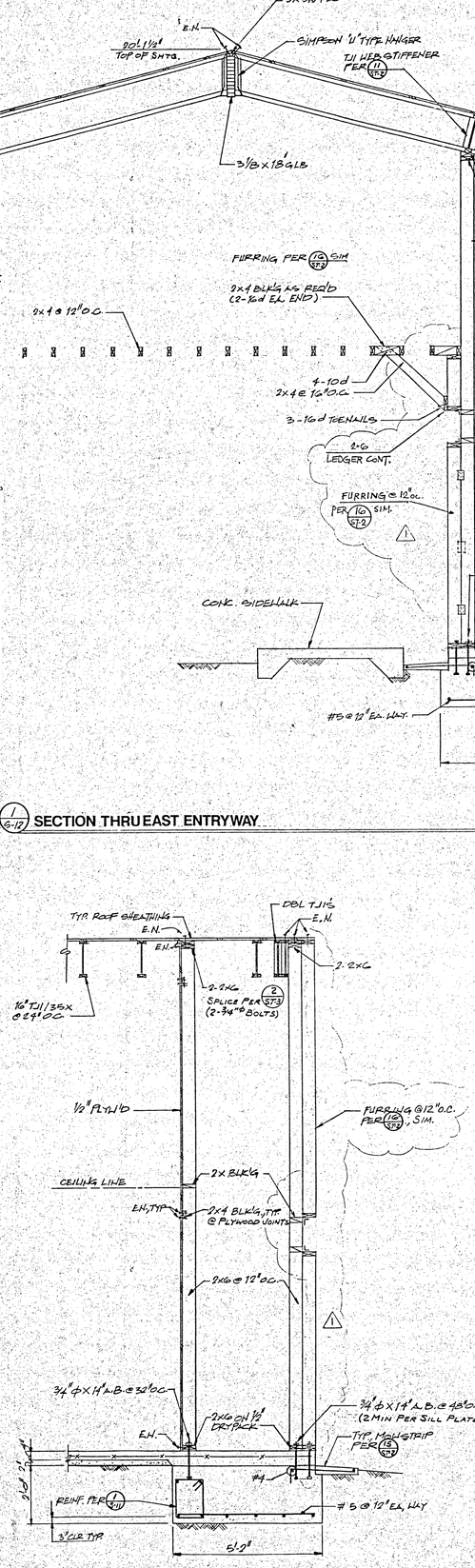
Date:	Revisions:
12-22-92	1 DIMENSIONS & WALL SIZES

Drawn by: R J H
Checked by: R C S
Job no: 1921

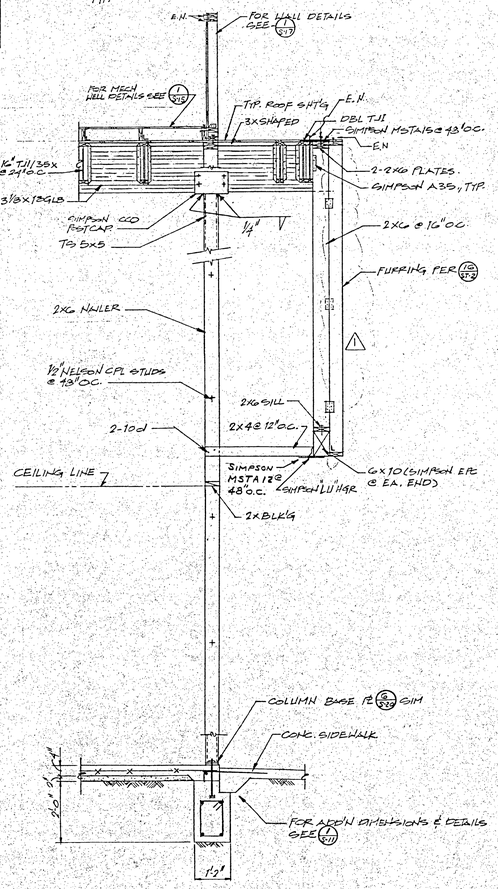
Sheet: S-11
Sheet of:
Date:



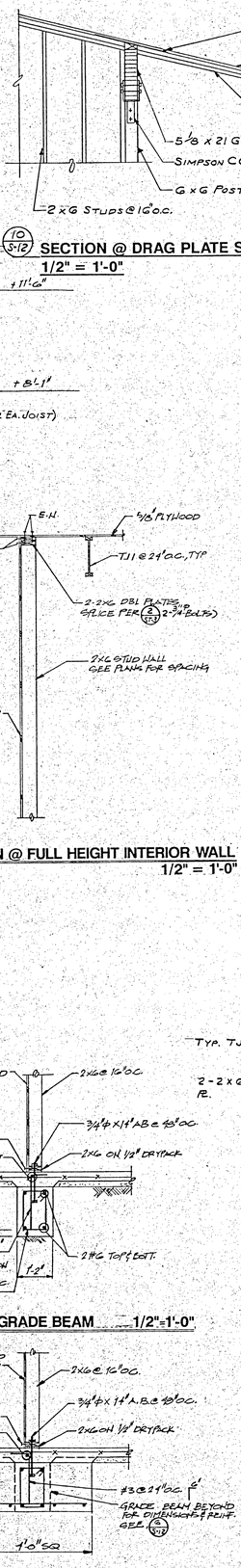
1/S-12 SECTION THRU EAST ENTRYWAY 1/2" = 1'-0"



4/S-12 SECTION THRU EAST ENTRYWAY COLUMNS 1/2"=1'-0"

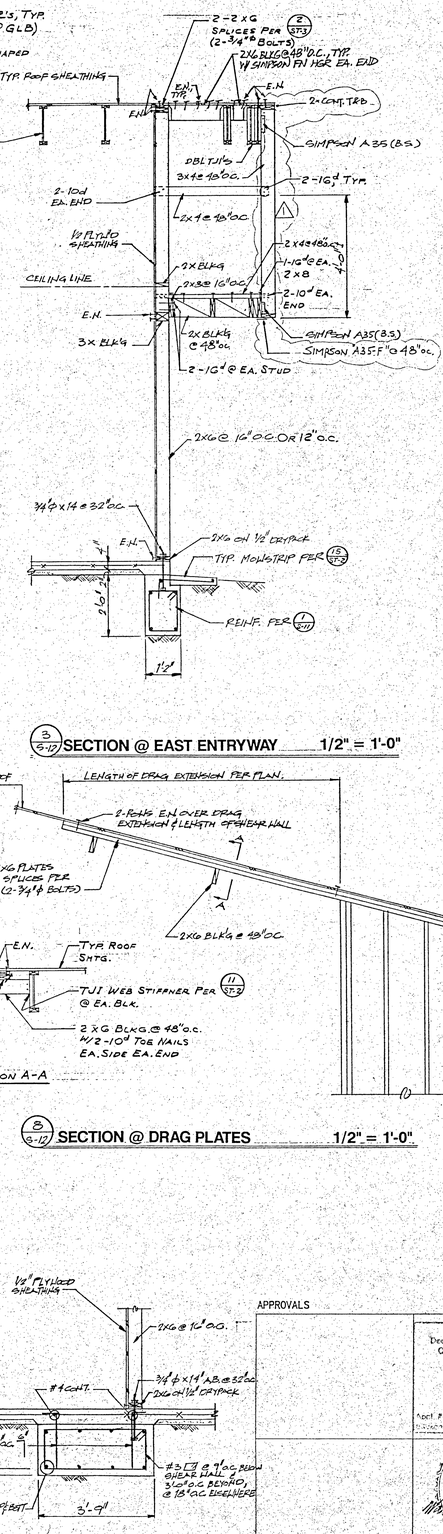


5/S-12 SECTION @ RIDGE THRU EAST ENTRYWAY 1/2"=1'-0"



10/S-12 SECTION @ DRAG PLATE SPLICE 1/2" = 1'-0"

2/S-12 SECTION @ FULL HEIGHT INTERIOR WALL 1/2" = 1'-0"



3/S-12 SECTION @ EAST ENTRYWAY 1/2" = 1'-0"

8/S-12 SECTION @ DRAG PLATES 1/2" = 1'-0"

6/S-12 SECTION @ GRADE BEAM 1/2"-1'-0"

7/S-12 SECTION @ SPREAD FOOTING 1/2"= 1'-0"

9/S-12 SECTION @ WIDE GRADE BEAM 1/2"=1'-0"

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
JEWETT STREET
BAKERSFIELD, CALIFORNIA
Sheet title: ADMINISTRATION & LIBRARY BUILDING
SECTIONS & DETAILS

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FAX (805) 324-3415

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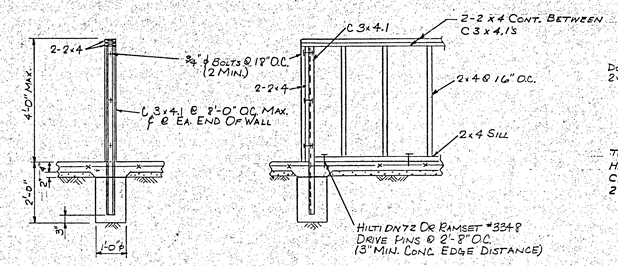
Date:	Revisions:
12-22-92	1. FURRING

Drawn by: R. J. H
Checked by: R. C. S
Job no: 1921
Sheet: S-12
Sheet of:
Date:

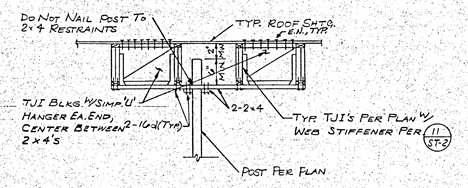
APPROVALS

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
12-11-93
Structural Safety Section
Appl. # A 5 1 1 6 6
Structural Co. MALA

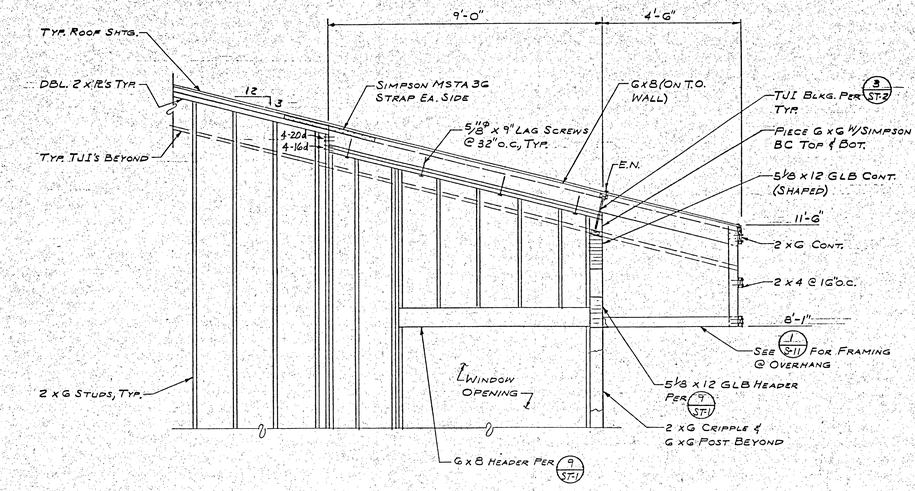
REGISTERED PROFESSIONAL ENGINEER WARREN A. MINNER No. 863 STRUCTURAL STATE OF CALIFORNIA
Exp. Date 12-31-95



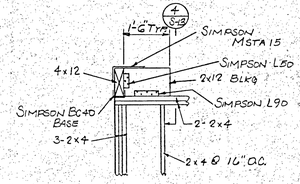
1 S-13 **DETAILS OF REQUIRED HALF HEIGHT WALL CONSTRUCTION** 1/2" = 1'-0"

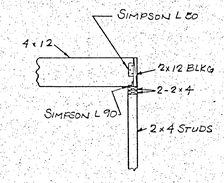


2 S-13 **DETAIL @ TOP OF POST FOR INTERIOR PARTITION** 1/2" = 1'-0"



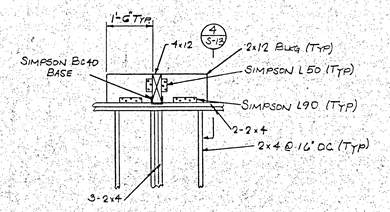
7 S-13 **SECTION** 1/2" = 1'-0"

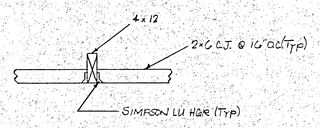




3 S-13 **END DETAIL OF CEILING BEAM** 1/2" = 1'-0"

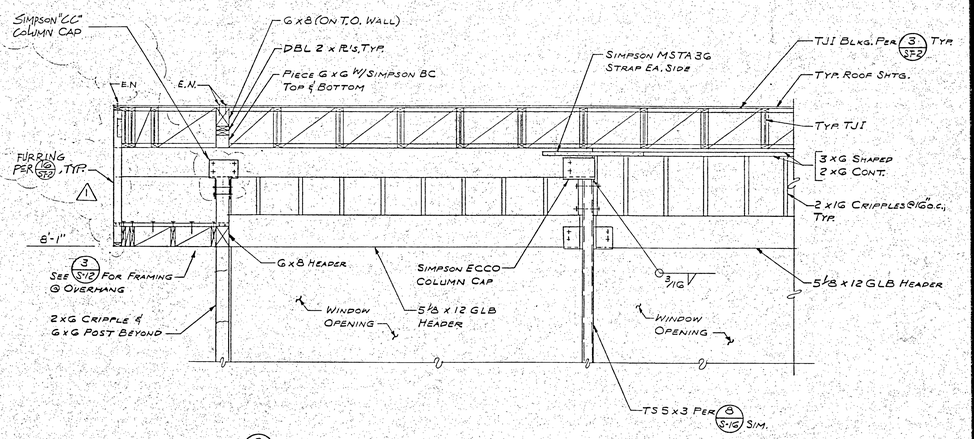
4 S-13 **SECTION @ END OF CEILING BEAM** 1/2" = 1'-0"





5 S-13 **END DETAIL OF CEILING BEAM** 1/2" = 1'-0"

6 S-13 **SECTION THRU CEILING BEAM** 1/2" - 1'-0"



8 S-13 **SECTION** 1/2" = 1'-0"

APPROVALS

DEPARTMENT OF GENERAL SERVICES
Office of the State Architect
PORTION 1
DEC 11 1992
Structural Safety Section
File # A 5916

REGISTERED PROFESSIONAL ENGINEER
WARREN A. MINNER
No. 863
STRUCTURAL
STATE OF CALIFORNIA
Exp. Date 12-31-96

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Bakersfield, CA 9
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LICENSED ARCHITECT
L. PHIL KLASSEN
C10401
REN. 1-31-94
STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
JEWETT STREET
BAKERSFIELD, CALIFORNIA
Sheet title: ADMINISTRATION & LIBRARY BUILDING
SECTIONS & DETAILS

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BAKERSFIELD, CALIFORNIA 93
PHONE (805) 324-9724
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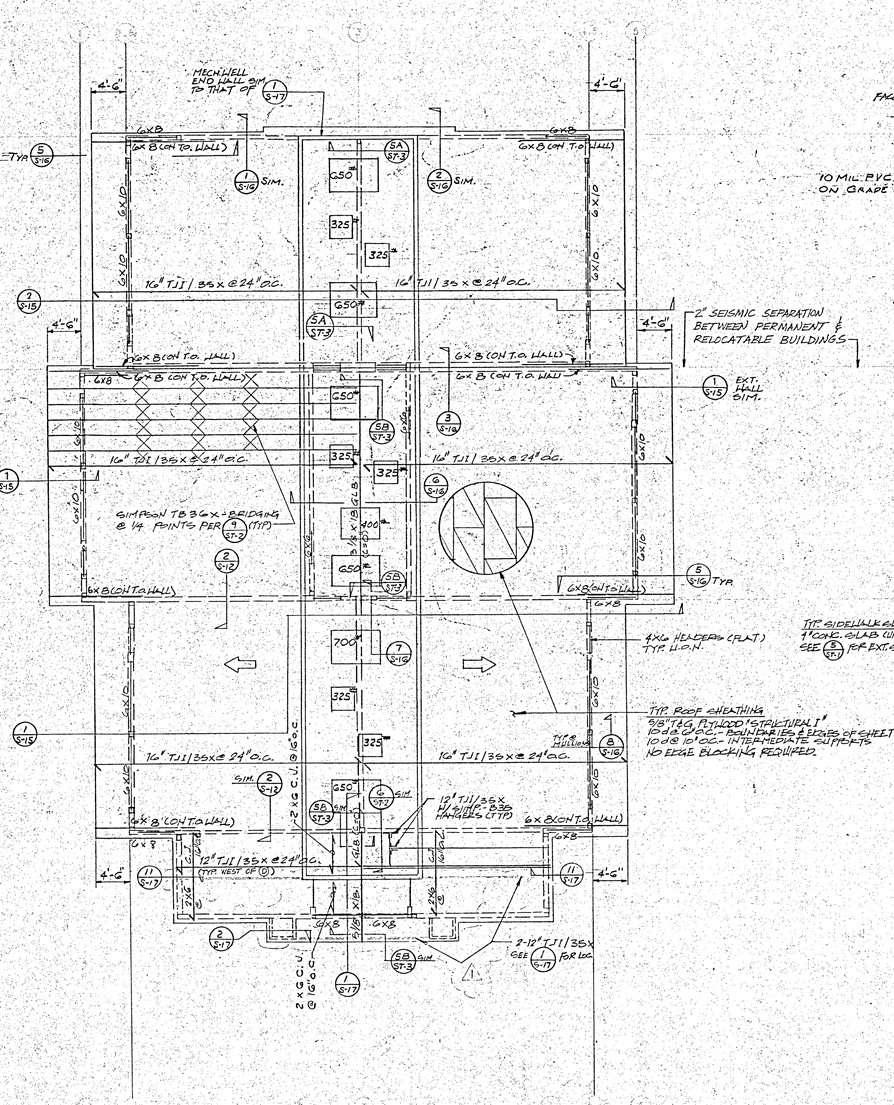
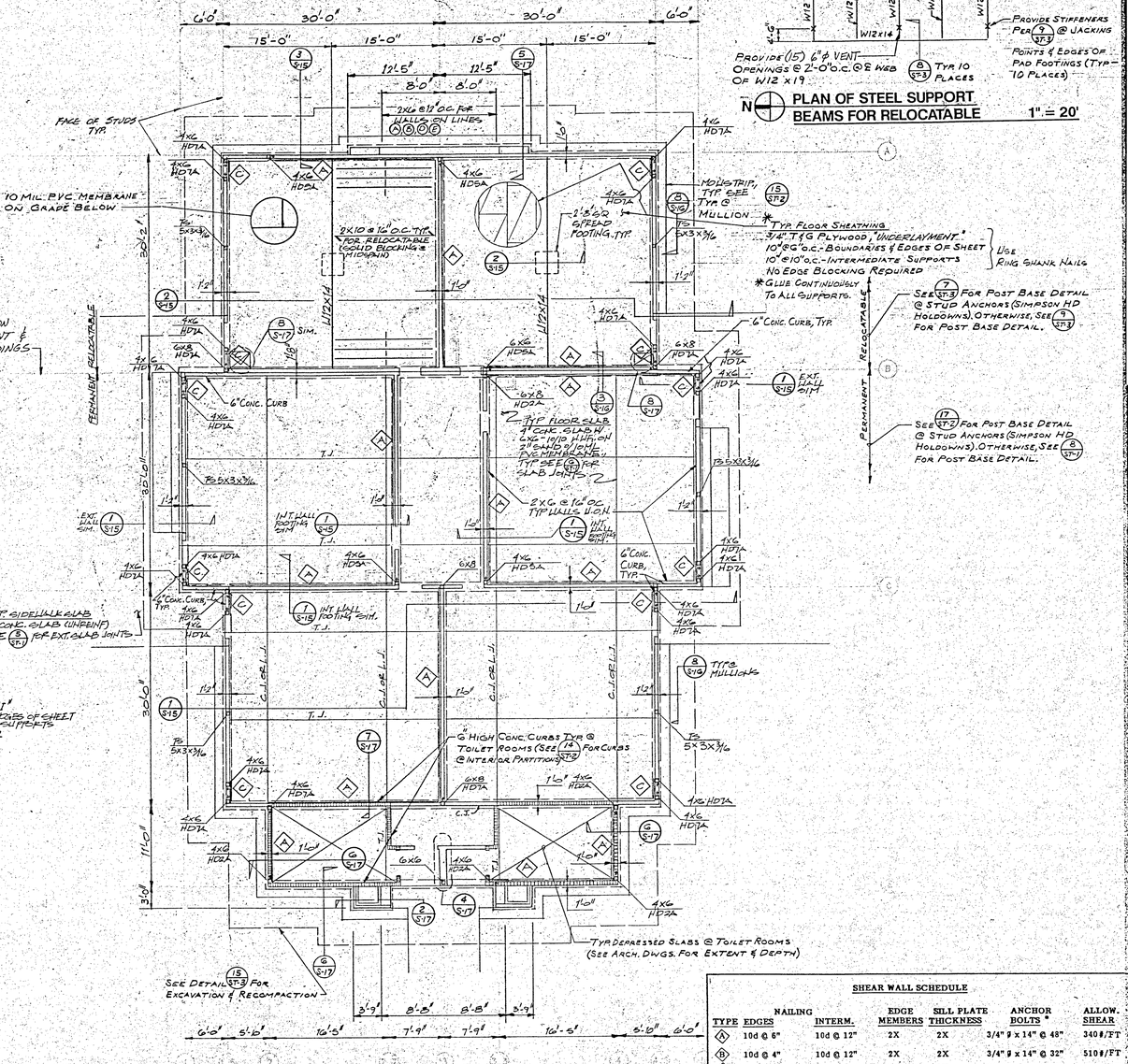
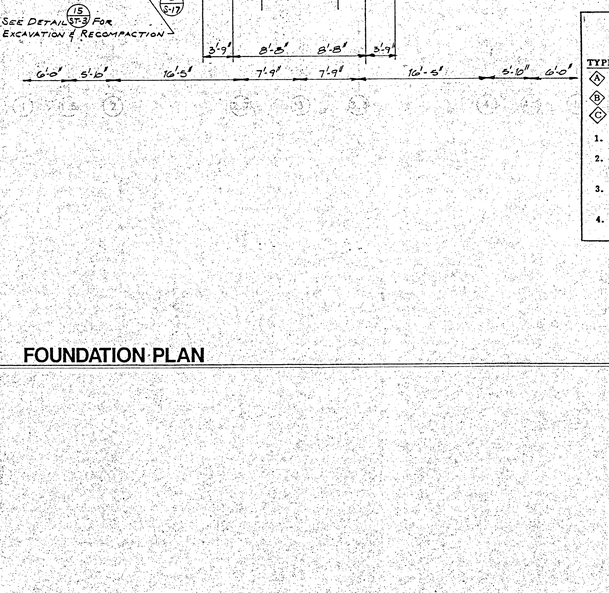
Date:	Issued for:

Date:	Revisions:
12-22-92	1 REVISED WALL CONSTRUC. FURRING, POST DET. & SECTIONS

Drawn by: DA
Checked by: R.C.S
Job no: 1921
Sheet: S-13
Sheet of:
Date:







SHEAR WALL SCHEDULE

TYPE	NAILING EDGES	NAILING INTERM.	EDGE MEMBERS	SILL PLATE THICKNESS	ANCHOR BOLTS *	ALLOW. SHEAR
A	10d @ 6"	10d @ 12"	2X	2X	3/4" ϕ x 14" @ 48"	340#/FT
B	10d @ 4"	10d @ 12"	2X	2X	3/4" ϕ x 14" @ 32"	510#/FT
C	10d @ 3"	10d @ 12"	3X	2X	3/4" ϕ x 14" @ 32"	665#/FT

*Min. 2 bolts per shear panel.

1. All plywood to be 1/2" (net) Structural I (C-D) with all edges blocked.
2. Shear walls more than one vertical panel in height shall have staggered spliced joints.
3. Typically, full 4' x 8' sheets shall be used for plywood shear panels. No plywood sheet less than 12" wide shall be used in any shear panel.
4. Edge member is the minimum nominal thickness of studs and blocking at plywood edges.

APPROVALS

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
NOV 11 1993
Structural Safety Section
Approved By: M.A.M.

REGISTERED PROFESSIONAL ENGINEER
WARREN A. MINNER
No. 863
STRUCTURAL
STATE OF CALIFORNIA
Exp. Date 12-31-94

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LICENSED ARCHITECT
L. PAUL KLASSEN
C10401
REN 1-31-95
STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
INTERMEDIATE CLASSROOM AND
JEWETT STREET
BAKERSFIELD, CALIFORNIA

WARREN A. MINNER
STRUCTURAL ENGINEER
1716 OAK STREET
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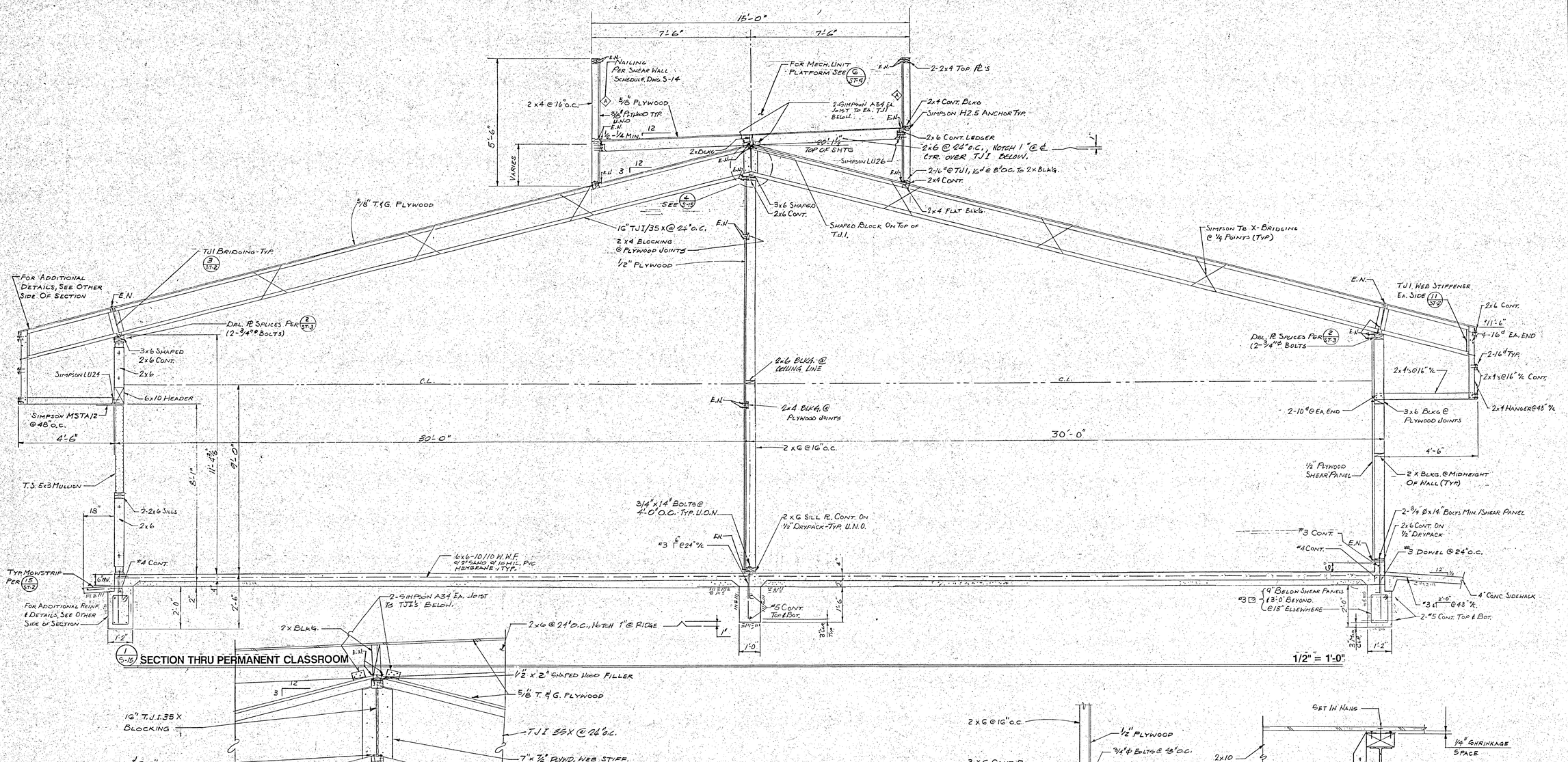
PHONE (805) 324-
FAX (805) 324-

Date: Issued:

Date: Revision:
12-22-92 A Incl. of W.A.M.

Drawn by: R.J.I.
Checked by: R.C.
Job no.:
Sheet: S-14
Sheet of:
Date:



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LICENSED ARCHITECT — PAUL KLASSEN — C10425 — REN 1-31-97 — STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

JEWETT STREET
BAKERSFIELD, CALIFORNIA

Sheet title: INTERMEDIATE CLASSROOM AND INTERMEDIATE & PRIMARY CLASSROOM SECTIONS & DETAILS

WARREN A. MINNER
STRUCTURAL ENGINEER
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Date:	Issued for:

Date:	Revisions:

Drawn by: WL

Checked by: R C. S

Job no: 1921

Sheet: S-15

Sheet of:

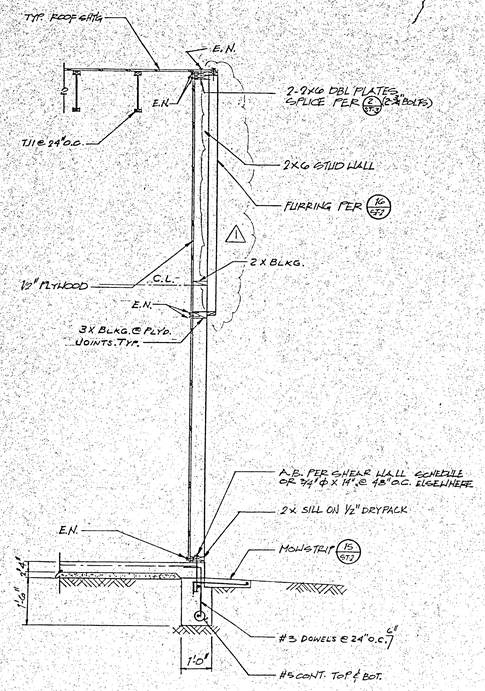
Date:

APPROVALS

DSA IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
Structural Safety Section
Appl. # 13 2156
Date approved: 11/14/94
By: [illegible]

REGISTERED PROFESSIONAL ENGINEER — WARREN A. MINNER — No. 863 — STRUCTURAL — STATE OF CALIFORNIA

Exp. Date 12-31-96



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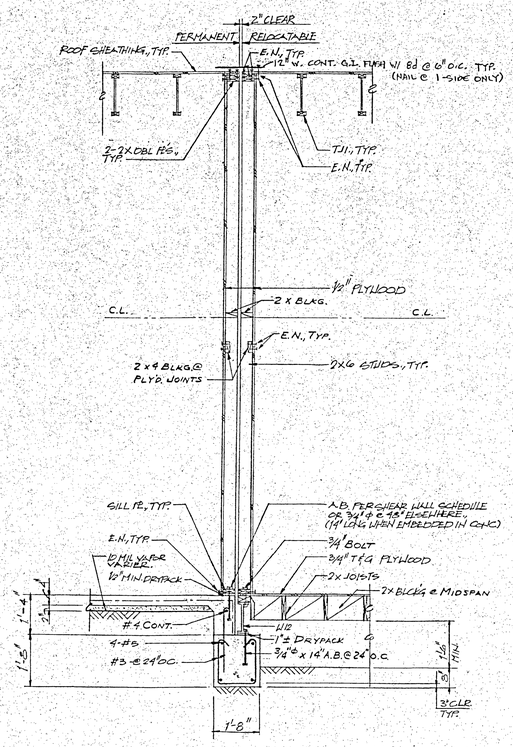

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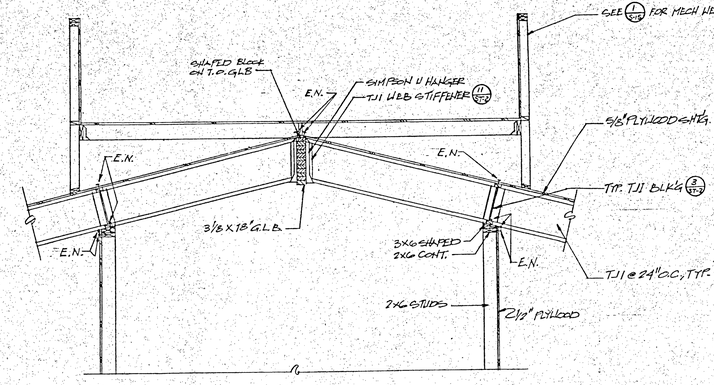

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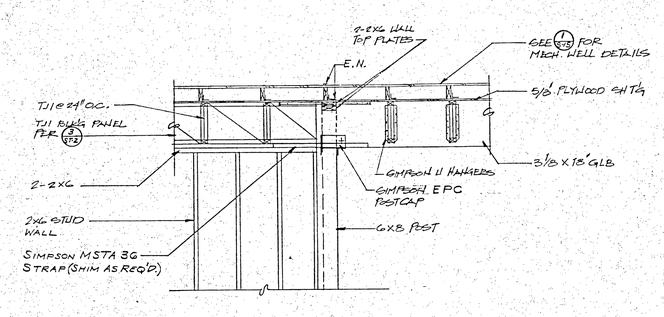

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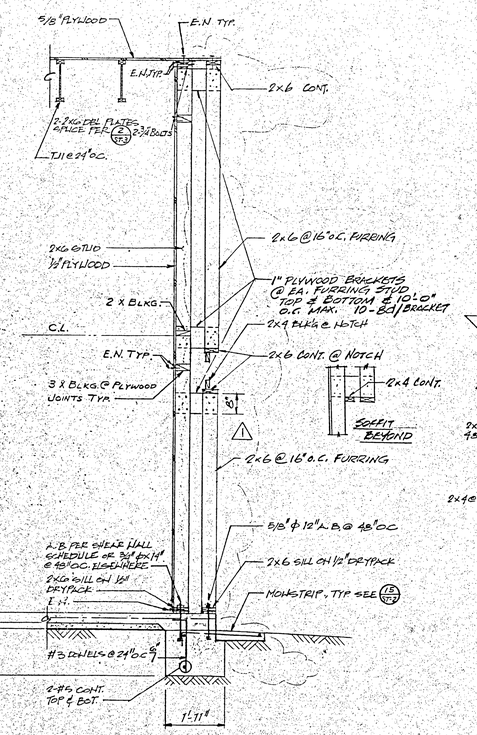

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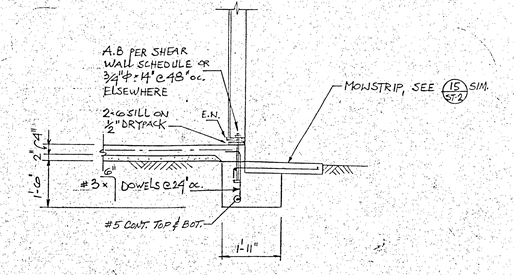

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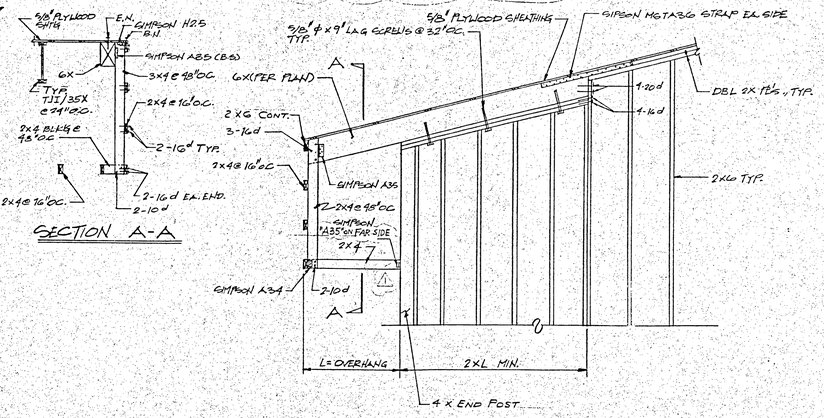
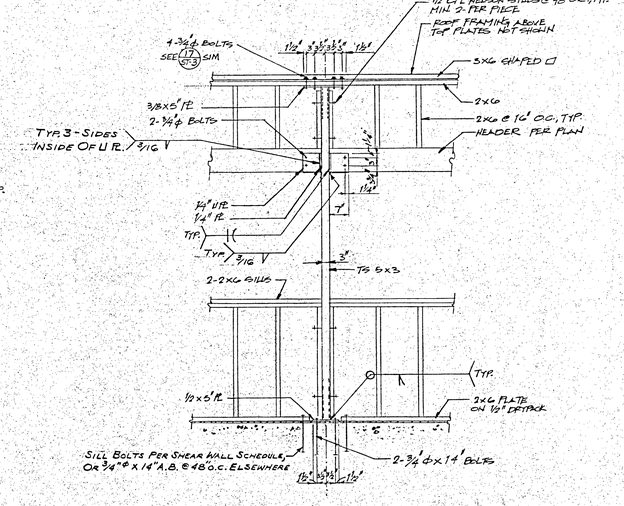


5/S-16 SECTION 1/2" = 1'-0"



5/S-16 SECTION @ WINDOW MULLION 1/2" = 1'-0"

APPROVALS

DIVISION OF THE STATE ARCHITECT
Department of General Services
Office of the State Architect
APPROVED
MAR 11 1996
Structural Safety Section
By: [illegible] Date: 4-4-96

REGISTERED PROFESSIONAL ENGINEER
WARREN A. MINNER
No. 863
STRUCTURAL
STATE OF CALIFORNIA
Exp. Date 12-31-96

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LICENSED ARCHITECT L. PHIL KLASSEN C10401 REN. 1-31-98 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

JEWETT STREET
BAKERSFIELD, CALIFORNIA

Sheet title: INTERMEDIATE CLASSROOM AND INTERMEDIATE & PRIMARY CLASSROOM
SECTIONS & DETAILS

WARREN A. MINNER
STRUCTURAL ENGINEER...
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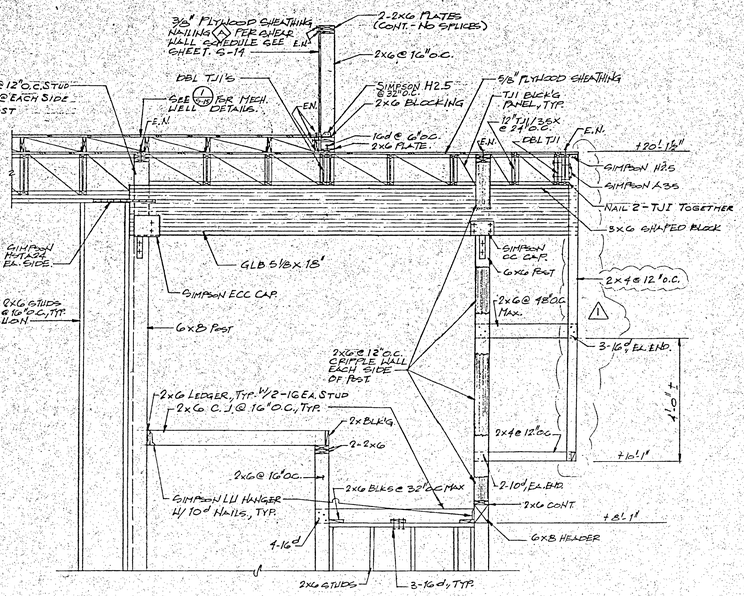
PHONE (805) 324-9724
FAX (805) 324-3416

Date:	Issued for:

Date:	Revisions:
2-22-96	1 FURRING, JOIST CLIP FOOTING DETAIL MIN. REBAR
	2
	3
	4
	5

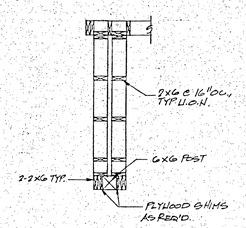
Drawn by: R.J.H
Checked by: R.C.S
Job no: 1921
Sheet: S-16
Sheet of:
Date:



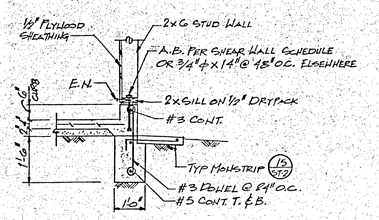
1/S-17 SECTION AT WEST ENTRYWAY 1/2"= 1'-0"

VOID

3/S-17



4/S-17 DETAIL 1/2"= 1'-0"



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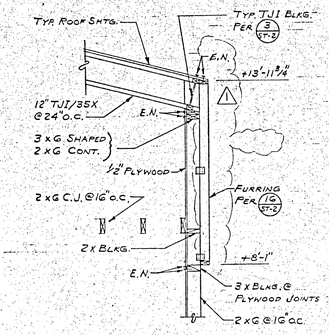
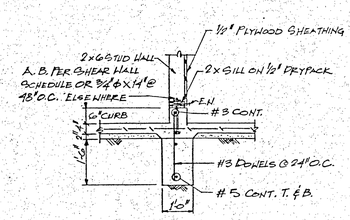
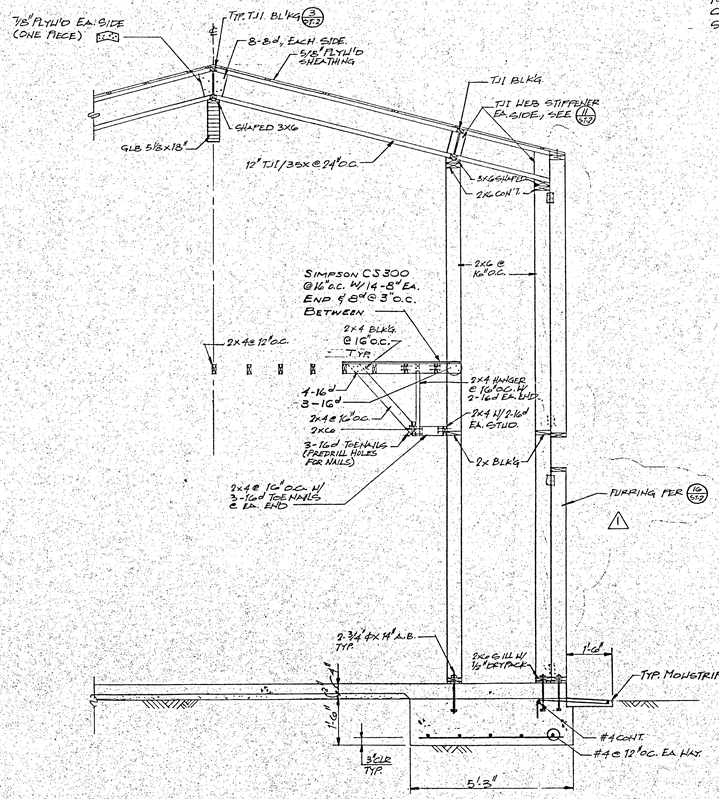


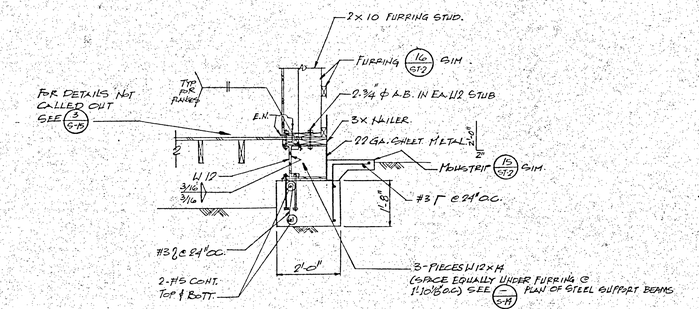
11/S-17 SECTION 1/2" = 1'-0"



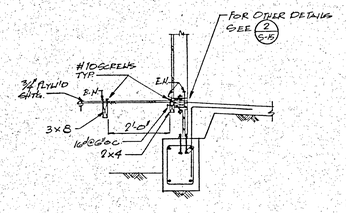
7/S-17 SECTION 1/2"= 1'-0"



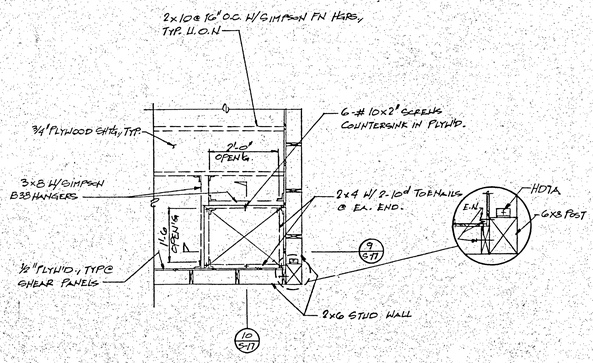
2/S-17 SECTION AT WEST ENTRYWAY 1/2"= 1'-0"



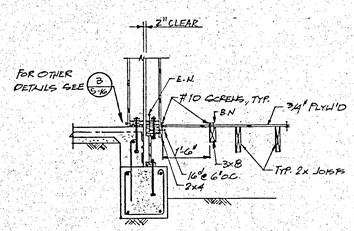
5/S-17 SECTION 1/2"= 1'-0"



9/S-17 SECTION 1/2"= 1'-0"



8/S-17 DETAIL OF UNDER-FLOOR ACCESS OPENING 1/2"= 1'-0"



10/S-17 SECTION 1/2"= 1'-0"

APPROVALS

Structural Safety Section
Division of the State Architect
APPROVED
DATE 12-31-96
BY [illegible]

REGISTERED PROFESSIONAL ENGINEER
WARREN A. MINNER
No. 863
RE-CERTIFY
STATE OF CALIFORNIA
Exp. Date 12-31-96

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

JEWETT STREET
BAKERSFIELD, CALIFORNIA

Sheet title: INTERMEDIATE CLASSROOM AND INTERMEDIATE & PRIMARY CLASSROOM SECTIONS & DETAILS

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Date:	Issued for:

Date:	Revisions:
12-22-97	1 FURRING & MOWSTRIP

Drawn by: R J. H

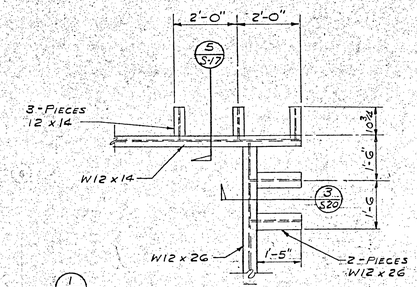
Checked by: R C. S

Job no: 1921

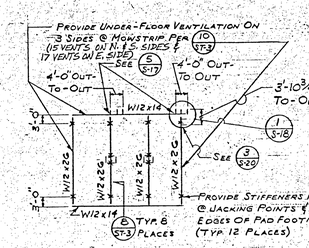
Sheet: S-17

Sheet of:

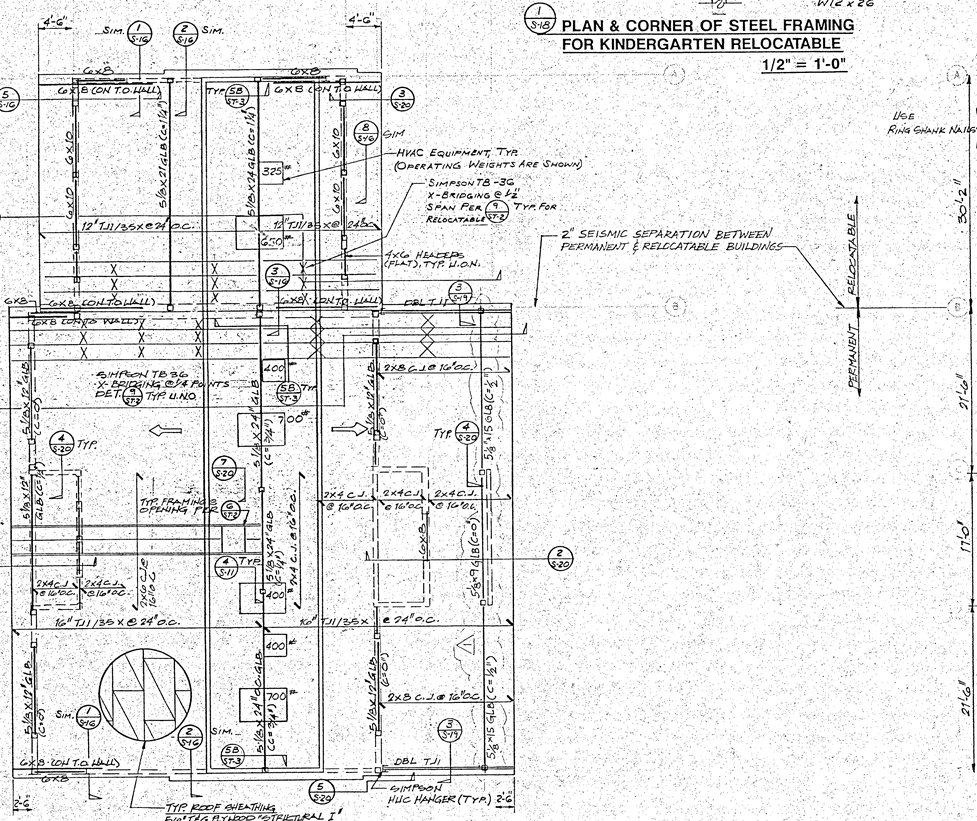
Date:



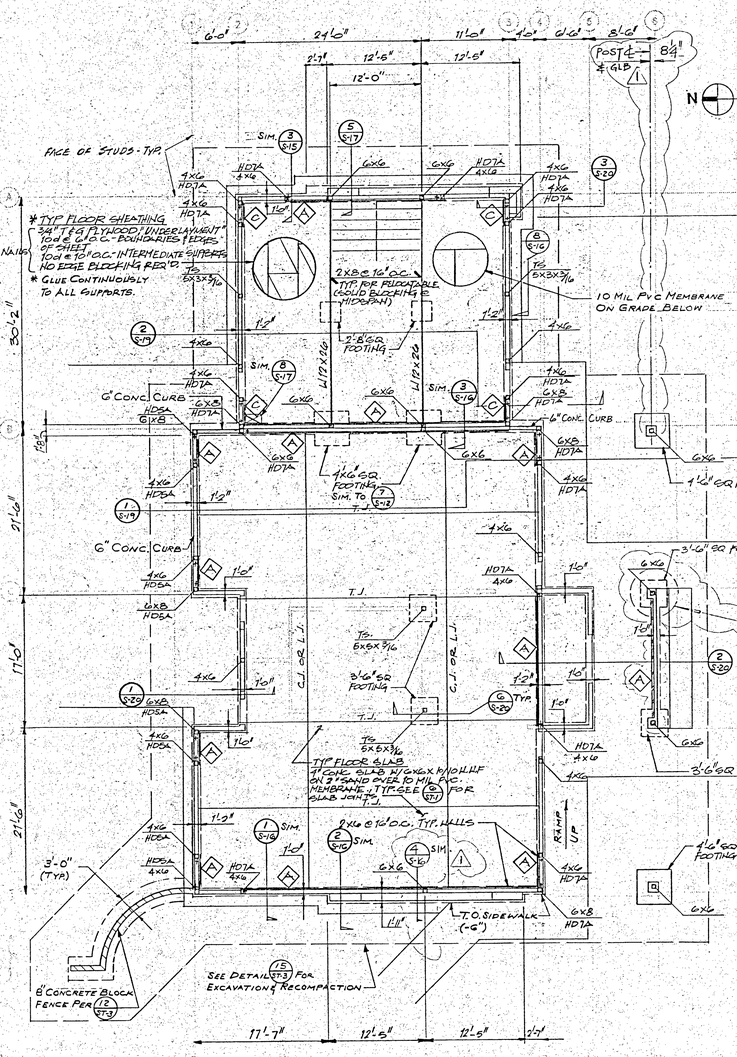
1/S-18 **PLAN & CORNER OF STEEL FRAMING FOR KINDERGARTEN RELOCATABLE**
1/2" = 1'-0"



PLAN OF STEEL SUPPORT BEAMS FOR RELOCATABLE **1" = 20'**



N **ROOF FRAMING PLAN** 1/8"= 1'-0"



N **FOUNDATION PLAN** 1/8"= 1'-0"

SHEAR WALL SCHEDULE

TYPE	NAILING EDGES	NAILING INTERM.	EDGE MEMBERS	SILL PLATE THICKNESS	ANCHOR BOLTS *	ALLOW. SHEAR
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B	10d @ 4"	10d @ 12"	2X	2X	3/4" ø x 14" @ 32"	510#/FT
C	10d @ 3"	10d @ 12"	3X	2X	3/4" ø x 14" @ 32"	665#/FT

*Min. 2 bolts per shear panel.

1. All plywood to be 1/2" (net) Structural I (C-D) with all edges blocked.
2. Shear walls more than one vertical panel in height shall have staggered spliced joints.
3. Typically, full 4' x 8' sheets shall be used for plywood shear panels. No plywood sheet less than 12" wide shall be used in any shear panel.
4. Edge member is the minimum nominal thickness of studs and blocking at plywood edges.

APPROVALS

Office of the State Architect — Structural Safety Section — Exp. Date 12-31-96

REGISTERED PROFESSIONAL ENGINEER — WARREN A. MINNER — No. 863 — STRUCTURAL — STATE OF CALIFORNIA

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(805) 327-0875
(805) 327-5933 Fax

LICENSED ARCHITECT — WARREN A. MINNER — C10401 — EXP. 1-31-95 — STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
JEWETT STREET
BAKERSFIELD, CALIFORNIA

Sheet title: **KINDERGARTEN CLASSROOM FOUNDATION PLAN & ROOF FRAMING PLAN**

WARREN A. MINNER
STRUCTURAL ENGINEER
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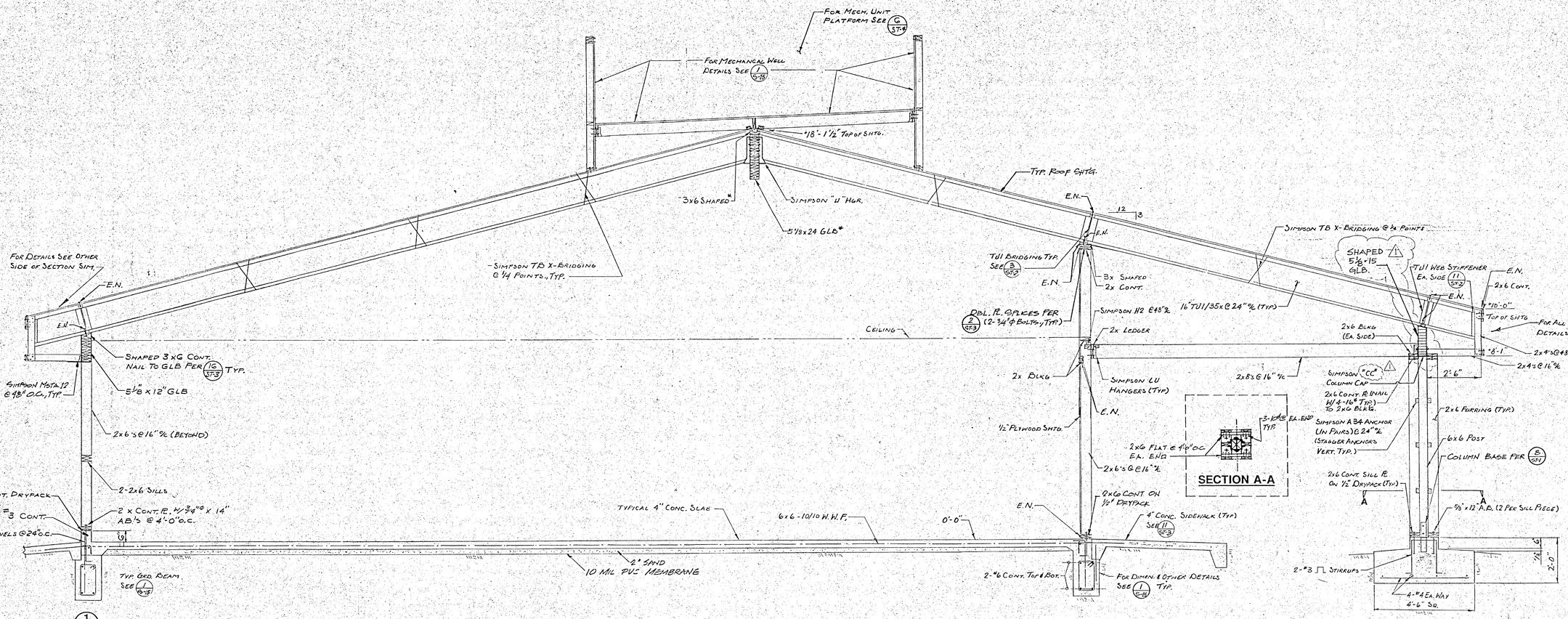
BAKERSFIELD, CALIFORNIA 93301
PHONE (805) 324-9724
FAX (805) 324-3416

Date:	Issued for:

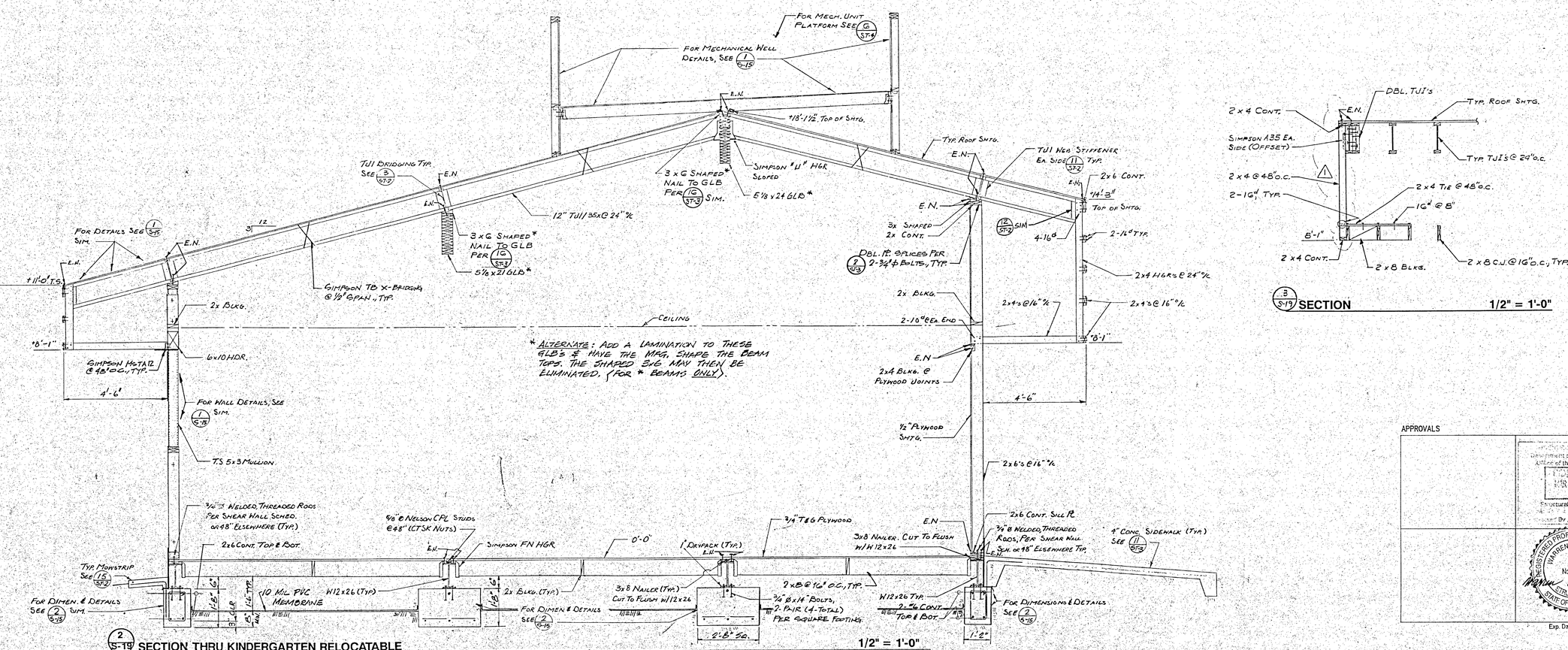
Date:	Revisions:
12-22-92	A ANVIL BOLT, PLYWOOD AND NAILING DETAIL & POST CALLOUT — W.A. Minner

Drawn by: R.J.H
Checked by: R.C.S
Job no.:
Sheet: **S-18**
Sheet of:
Date:



1 S-19 SECTION THRU PERMANENT KINDERGARTEN CLASSROOM

1/2" = 1'-0"



2 S-19 SECTION THRU KINDERGARTEN RELOCATABLE

1/2" = 1'-0"

5 S-19 SECTION 1/2" = 1'-0"

KLASSEN CORPORATION
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LICENSED ARCHITECT PHIL KLASSEN C10401 EXP. 1-31-97 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
JEWETT STREET
BAKERSFIELD, CALIFORNIA
Sheet - title: KINDERGARTEN CLASSROOM
SECTIONS & DETAILS

WARREN A. MINNER
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Date:	Issued for:

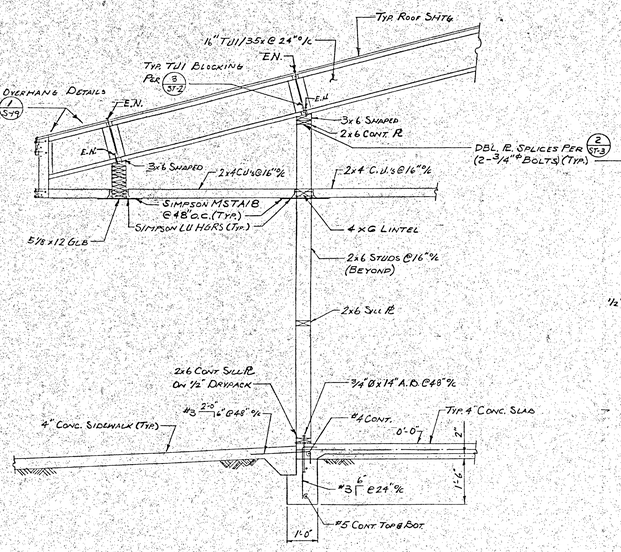
Date:	Revisions:
12-12-96	1 GEB SUBMITTAL CLARIFICATIONS

Drawn by: WL
Checked by: R.C.S
Job no.: 1921
Sheet: S-19
Sheet of:
Date:

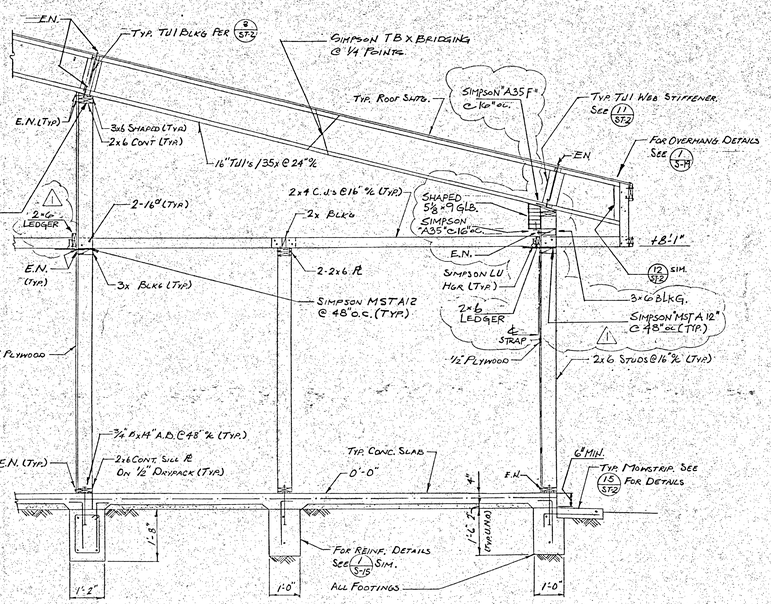
APPROVALS

Department of General Services
Office of the State Architect
Structural Safety Section
Reviewed By: MAILA

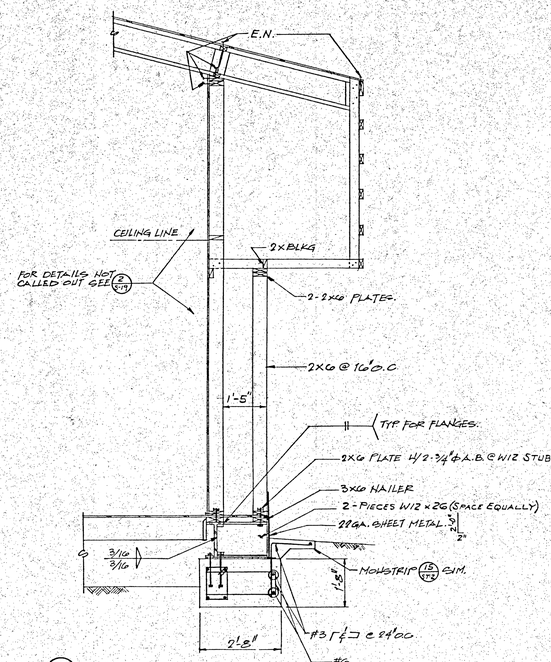
REGISTERED PROFESSIONAL ENGINEER WARREN A. MINNER No. 863 STRUCTURAL STATE OF CALIFORNIA
Exp. Date 12-31-96



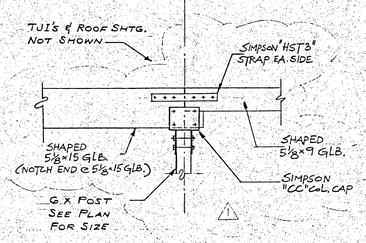
(1/S-20) SECTION 1/2" = 1'-0"



(2/S-20) SECTION 1/2" = 1'-0"



(3/S-20) SECTION 1/2" = 1'-0"



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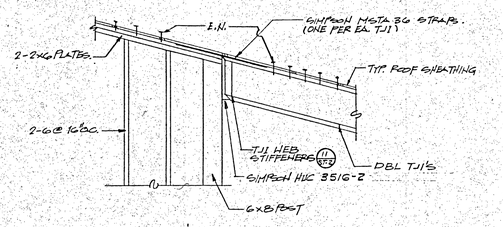
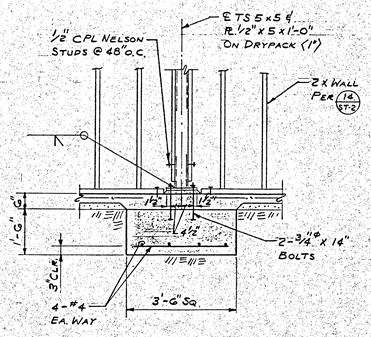
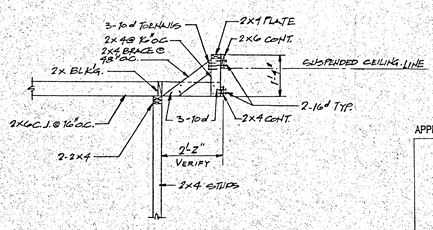


(5/S-20) SECTION 1/2" = 1'-0"



(6/S-20) SECTION 1/2" = 1'-0"



(7/S-20) SECTION 1/2" = 1'-0"

APPROVALS

Department of Community & Economic Development
City of Bakersfield
Structural Safety Section

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

LICENSED ARCHITECT PAUL KLASSEN C10401 REN. 1-31-95 STATE OF CALIFORNIA

The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.
Written dimensions of these drawings shall have precedence over scaled dimension: contractors shall verify and be responsible for all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN - ELEMENTARY SCHOOL
JEWETT STREET
BAKERSFIELD, CALIFORNIA

Sheet title: KINDERGARTEN CLASSROOM SECTIONS & DETAILS

WARREN A. MINNER
STRUCTURAL ENGINEER
1716 OAK STREET
BAKERSFIELD, CALIFORNIA 93301
PHONE (805) 324-9724
FAX (805) 324-3416

Date:	Issued for:

Date:	Revisions:
2-22-96	ADD GLB INSIDE TJI, POST CAPS

Drawn by: WL

Checked by: R.C.S

Job no: 1921

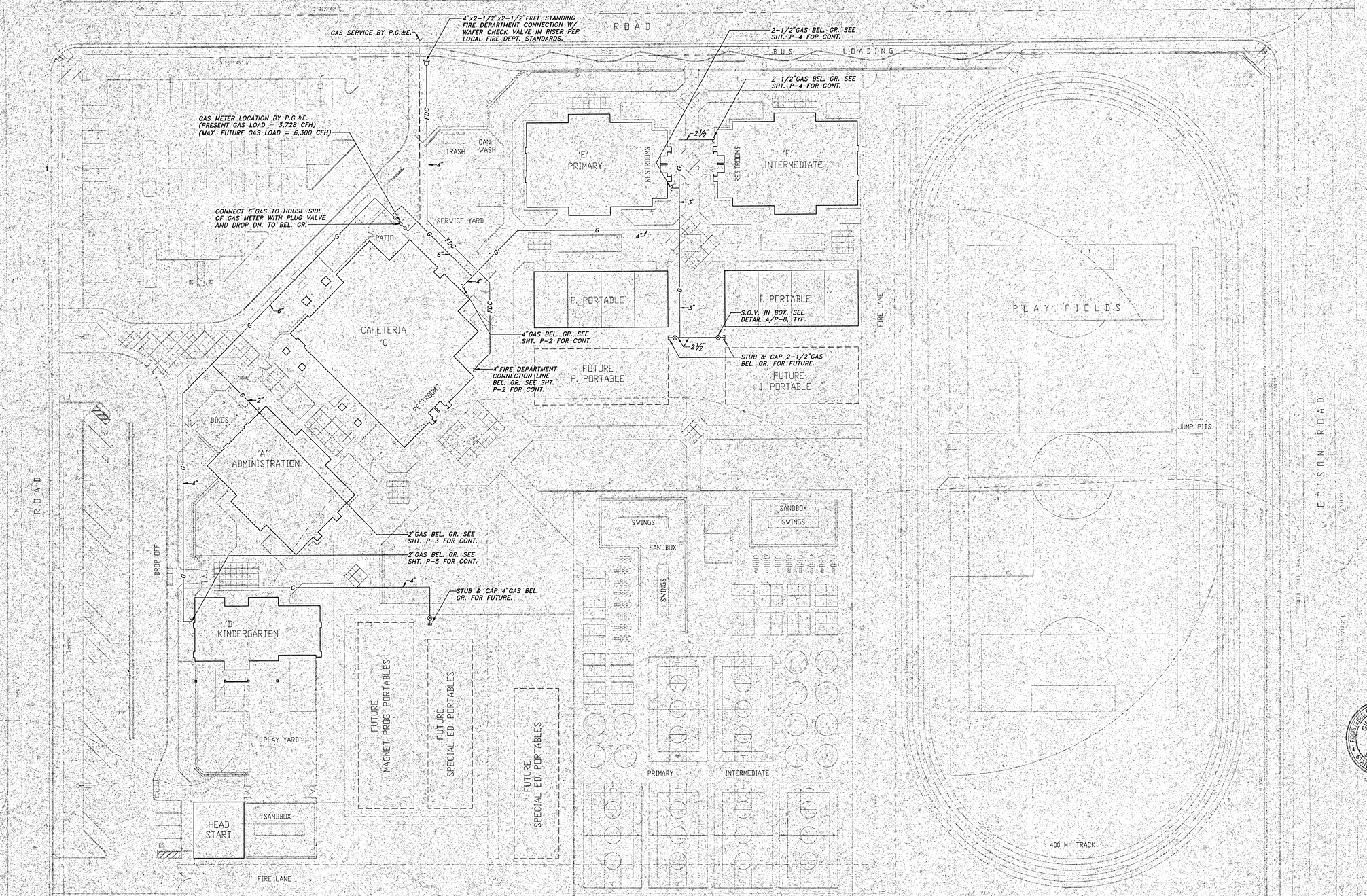
Sheet: S-20

LAST Sheet of: 24 SHEETS

Date:

REGISTERED PROFESSIONAL ENGINEER WARREN A. MINNER No. 863 STRUCTURAL STATE OF CALIFORNIA

Exp. Date 12-31-96



PLUMBING SITE PLAN

1"=30'-0"

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT KYLE KLASSEN C-19491 STATE OF CALIFORNIA
C-B,61D C-10,401

The ideas, designs, arrangements and plans shown, and arrangements thereof, represented by this drawing are and shall remain the property of the architect. They are not to be used in whole or part, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.
Contractor shall verify and be responsible for all dimensions and conditions on the job. Any discrepancies must be reported to the architect before proceeding with the work in question.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: SITE PLAN

GILBERT L. NYE REGISTERED PROFESSIONAL ENGINEER MECHANICAL STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1320 W. Olive Avenue, Suite 12 Fresno, CA 93711
(209) 228-0215 FAX (209) 264-0227

Date	Issued for:

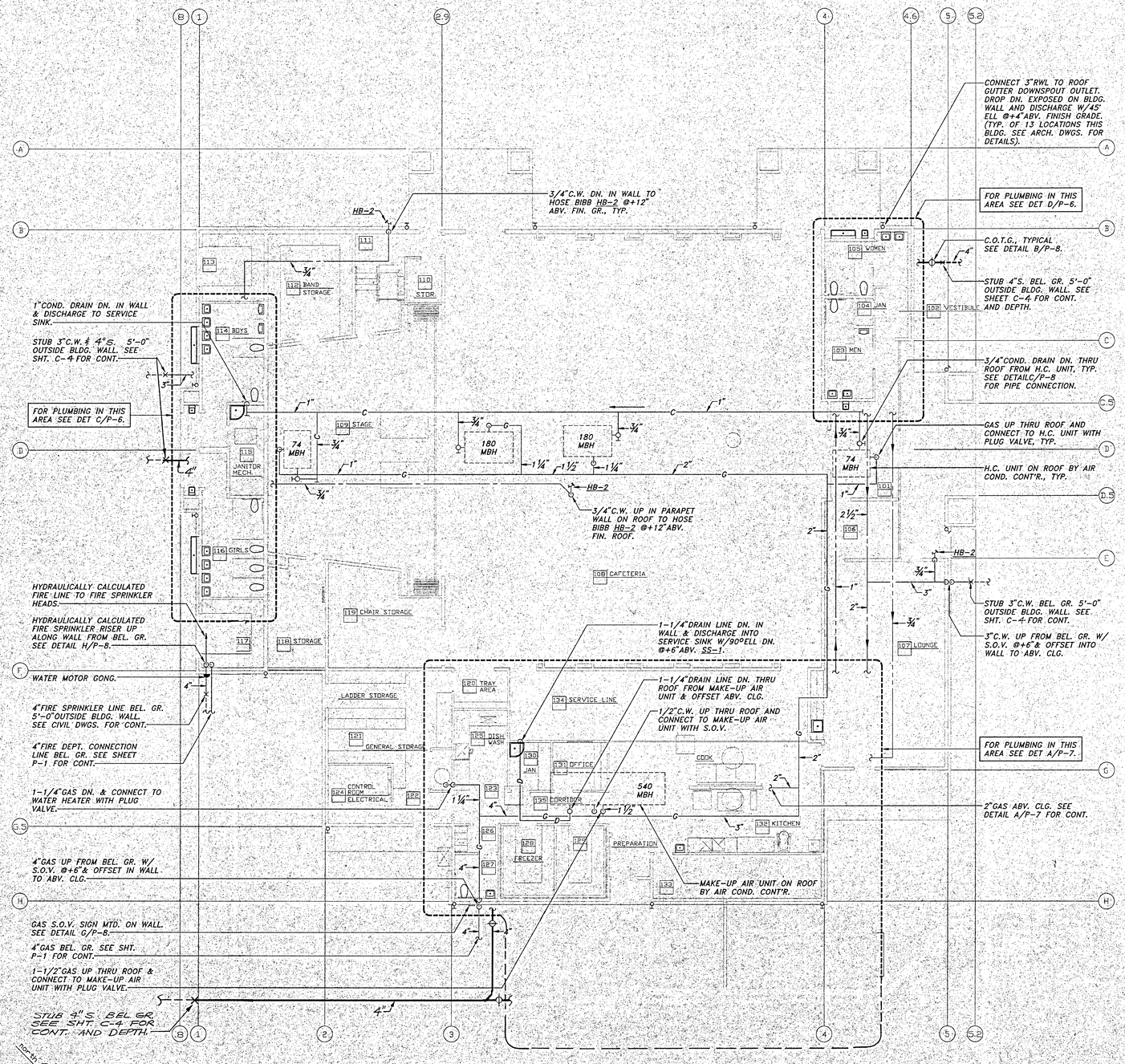
Date	Revisions:

Drawn by: DLB
Checked by: DAD
Job no: 1223
Sheet: P.1
Sheet of: 8
Date:

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 1 1 1983
Structural Safety Section
Appl. #
Reviewed By

MAR 8 1983

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
Reviewed by



CAFETERIA PLUMBING FLOOR PLAN 'C'

1/8" = 1'-0"

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT — KARL KLASSEN — C12401 — EXP. 6-30-04 — STATE OF CALIFORNIA

C-8,610 — C-10,401

The above drawings and specifications and these designs are and shall remain the property of the architect and may not be used in whole or part for any other project without the written authorization of the architect. Visual contact with these plans and specifications shall constitute conclusive evidence of acceptance of these restrictions.
Contractor shall verify and be responsible for all dimensions and conditions on the job. Any discrepancies must be reported to the architect before proceeding with the work. Any changes made on the plans or details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

Sheet title: CAFETERIA PLUMBING PLAN
(BUILDING 'C')

REGISTERED PROFESSIONAL ENGINEER — GILBERT L. NYE — 11-26-02 — EXP. 6-30-04 — MECHANICAL — STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1351 N. Blackstone, Suite 101 — Fresno, Ca 93703
(559) 256-0131 — FAX 256-0327

Date	Issued for:

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Checked by: DAG
Job no: 1223
Sheet: P.2
Sheet of: 8
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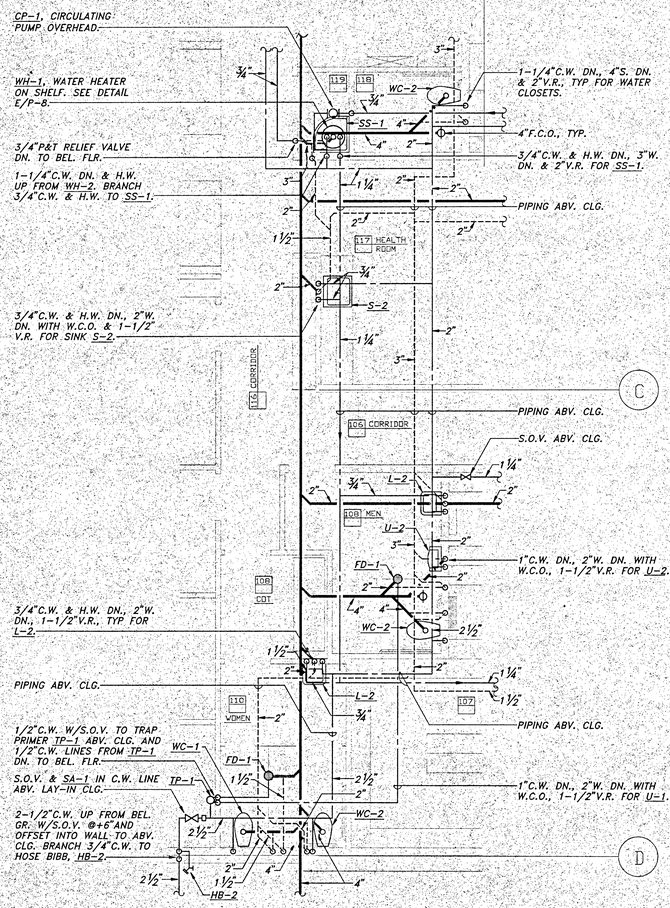
OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
REVIEWED FOR ACCESS COMPLIANCE
Reviewed by: — Date: MAR 11 03

MAR - 8 2003

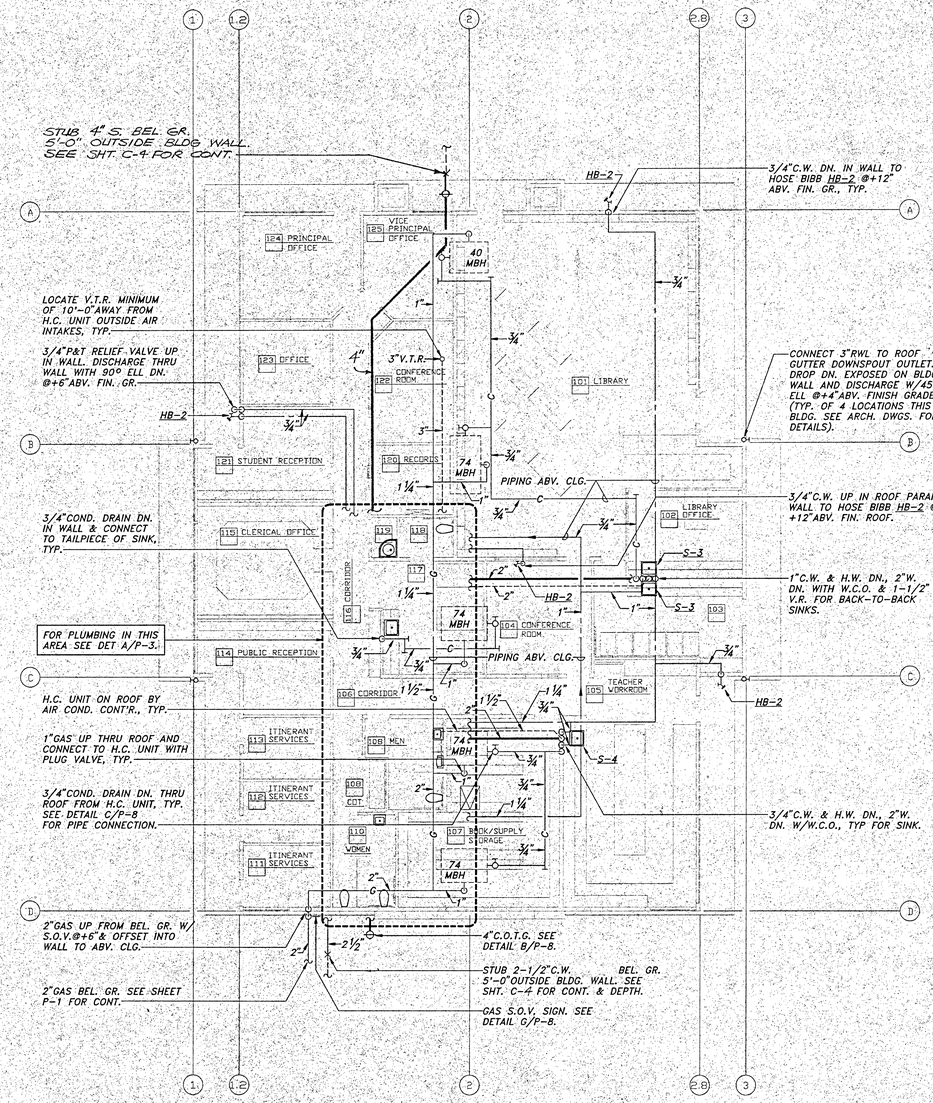
IDENTIFICATION NUMBER
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 2003
Structural Safety Section



DETAILED PLUMBING PLAN

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

A / P-3



ADMINISTRATION / LIBRARY PLUMBING PLAN 'A'

1/8" = 1'-0"

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 98301
(805) 327-0875

LICENSED ARCHITECT PAUL KLASSEN C16496 EXP. 1-31-95 STATE OF CALIFORNIA

C-8,610 C-10,401

The above preliminary plans and specifications are the property of the architect and no part thereof shall be used for any other work and in no event shall the same be loaned, copied or exhibited or otherwise disposed of without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.
Written dimensions on these drawings shall have precedence over scaled dimensions. Contractor shall verify and be responsible for all dimensions and conditions on the job. This office must be notified of any variations from the dimensions and conditions shown by these drawings and details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

Sheet title: ADMINISTRATION/LIBRARY PLUMBING PLAN 'A'

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE M 020224 Exp. 6-30-95 CHAMICAL STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1330 E. Shaw Avenue, Suite 19 Fresno, CA 93710
(209) 226-8215 FAX 226-8217

Date	Issued for:

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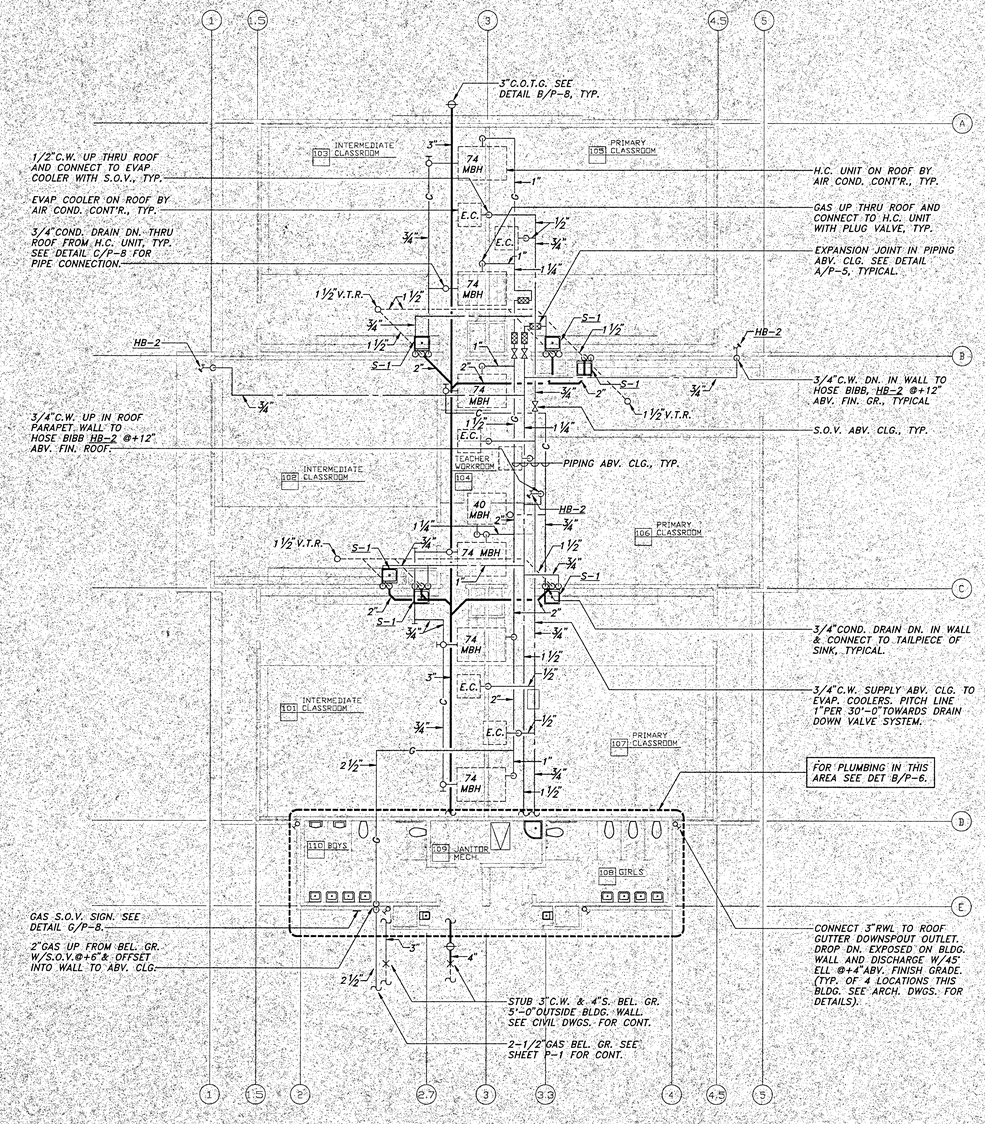
Drawn by: DLB
Checked by: DAG
Job no: 1223
Sheet: P3
Sheet of: 8
Date:

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPROVED PER W.C. NO. 9-5114 DATE: MAY 11 93
Approved per review by: Certified Access Specialist (CASp)
Reviewed by:

DSA/SS MAR 8 1993

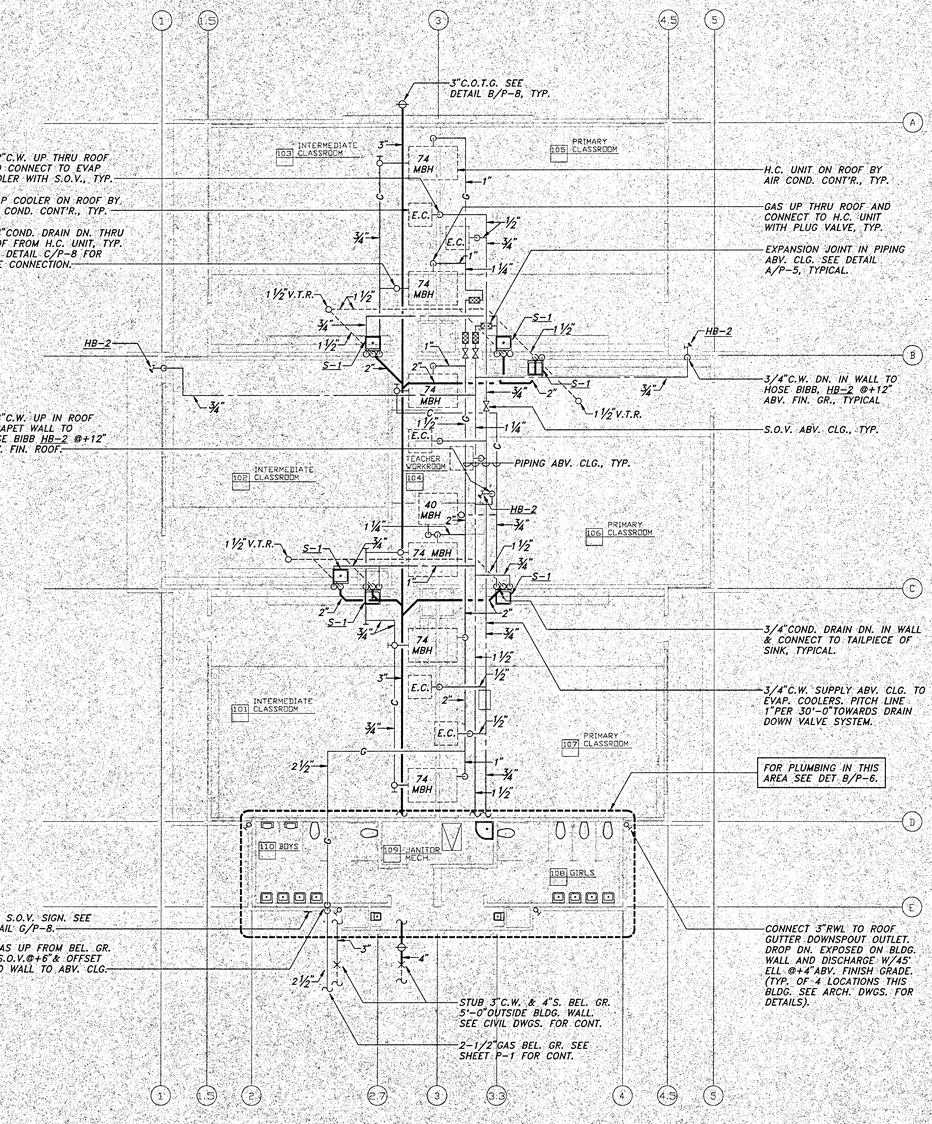
DEPARTMENT OF GENERAL SERVICES
Office of the State Architect
PORTION 1
APR 11 1993
Structural Safety Section
Appl. #
Approved by:



north

INTERMEDIATE CLASSROOM PLUMBING PLAN 'E'

1/8" = 1'-0"



north

INTERMEDIATE/PRIMARY CLASSROOM PLUMBING PLAN 'F'

1/8" = 1'-0"

KLASSEN CORPORATION
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Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT PAUL KLASSEN Exp. 8-31-95 STATE OF CALIFORNIA

C-8,610 C-10,401

The plans, specifications and ideas contained in these drawings are the property of the architect and are not to be used in whole or in part thereof without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job site. This office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop drawings must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

Sheet title: MECHANICAL PLUMBING PLANS

REGISTERED PROFESSIONAL ENGINEER GILBERT L. RYE M 026224 Exp. 6-30-95 MECHANICAL STATE OF CALIFORNIA

Lawrence • Rye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 N. Main Avenue, Suite D Fresno, CA 93727
(209) 255-6126 FAX 264-254-4207

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Date	Revisions:

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MAR 17 1993
Structural Safety Section
Appl. # 05 92162
Checked by

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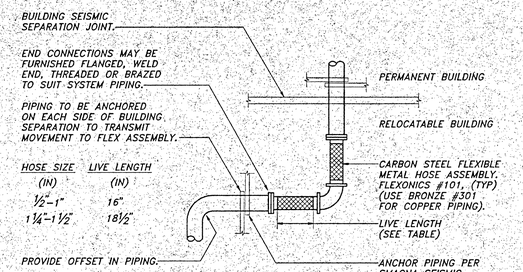
ACCESS COMPLIANCE SECTION
MAR 17 93
Reviewed by

Drawn by: DLB
Checked by: BAG
Job no: 1233

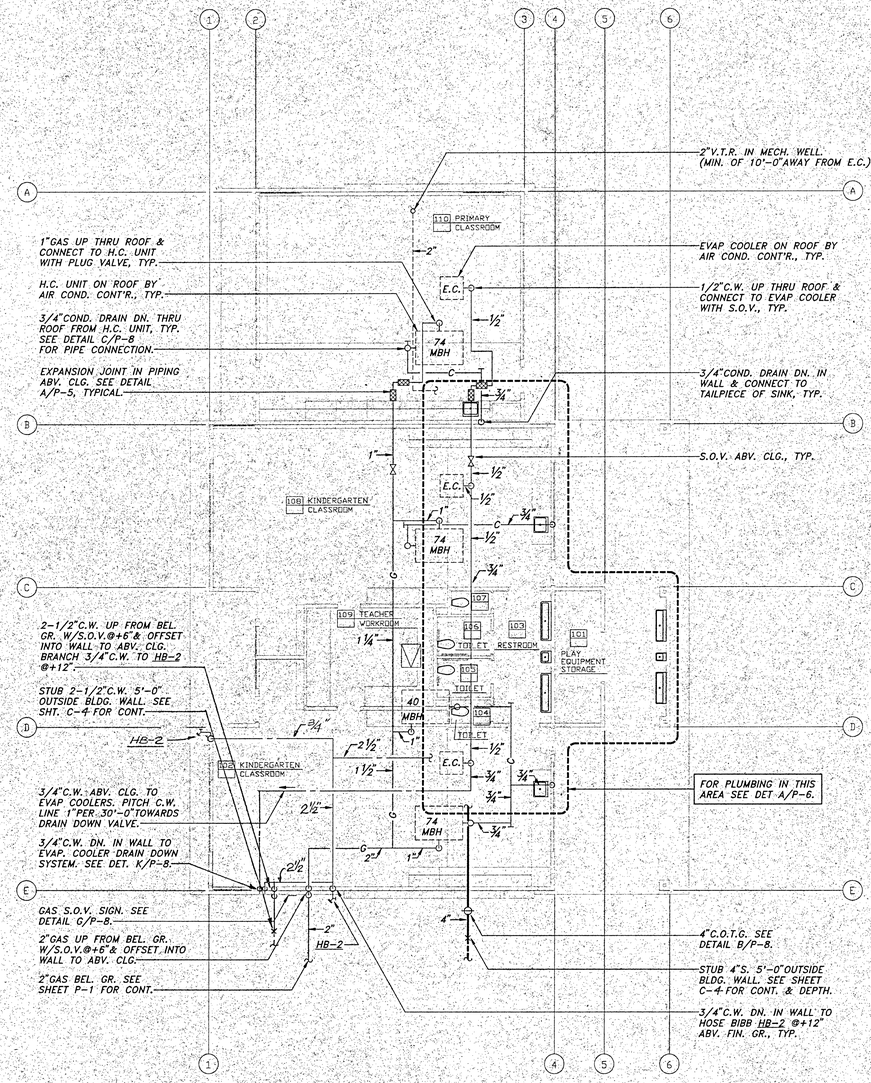
Sheet: P4
Sheet of: 8

Date:



SEISMIC JOINT FOR PIPE DETAIL — A/P-5

SCALE: NONE



north. KINDERGARTEN CLASSROOM PLUMBING PLAN 'D'

1/8" = 1'-0"

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Department of General Services
Office of the State Architect
PORTION 1
MAY 11 1999
Structural Safety Section
Appl. # 4.5.01.3
Reviewed By

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION REVIEW NO. 1021
91.2 MAY 11 '98
Reviewed By

MAR 8 1999

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT LYNN MASSA No. C10091 EXP. 1-31-2000 STATE OF CALIFORNIA

C-B,610 C-10,401

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All drawings are instruments of service and shall remain the property of the architect whether the project for which they are made is executed or not. The drawings, specifications and ideas incorporated herein, as an instrument of service, is and shall not be used in whole or part for any other project without written authorization of the architect. Visual contact with these drawings and specifications shall constitute conclusive evidence of acceptance of these restrictions. Shop drawings will not be accepted unless sent to the office for approval before processing any fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: KINDERGARTEN PLUMBING PLAN
BUILDING "D"

REGISTERED PROFESSIONAL ENGINEER GILBERT L. AYE No. 10,224 Exp. 6-30-99 MECHANICAL STATE OF CALIFORNIA

Lawrence • Aye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1330 N. Glen Avenue, Suite 28 Fresno, CA 93711
(209) 434-4115 FAX 209-224-4271

Date:	Issued For:

Date:	Revisions:

Drawn by: DLB

Checked by: DAD

Job no: 1283

Sheet: P-5

Sheet of: 8

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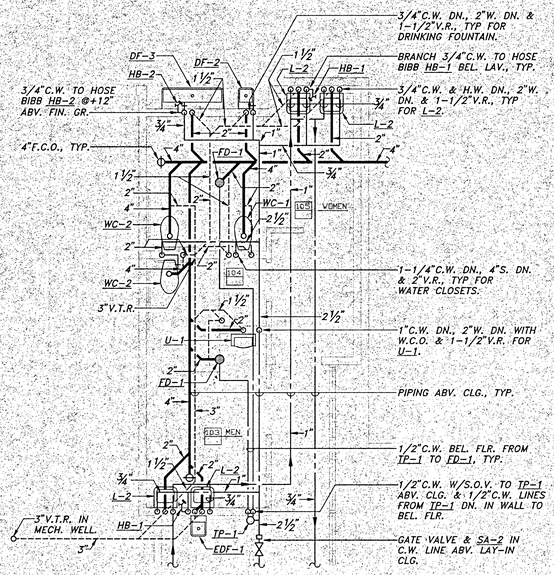
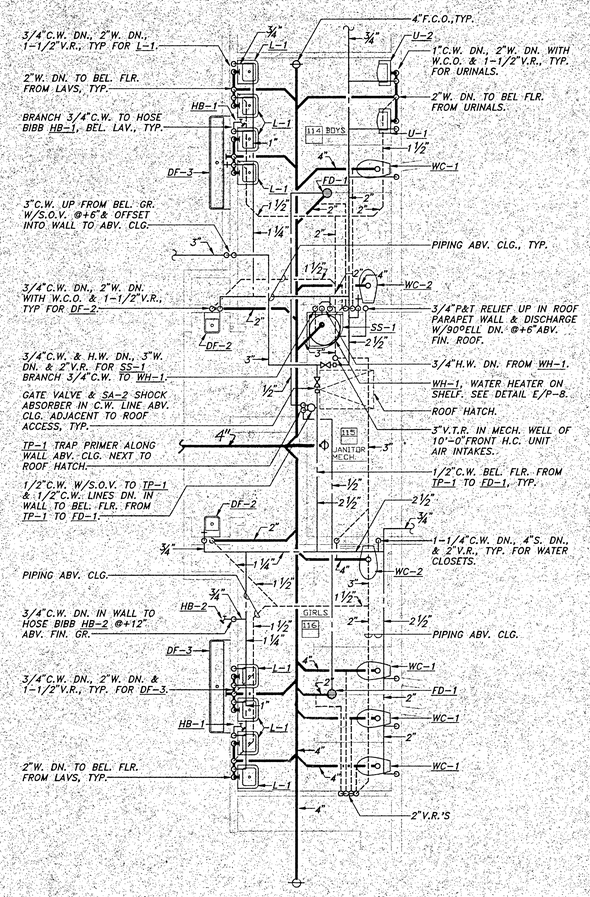


DETAILED PLUMBING PLAN – BLDG. "C"

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

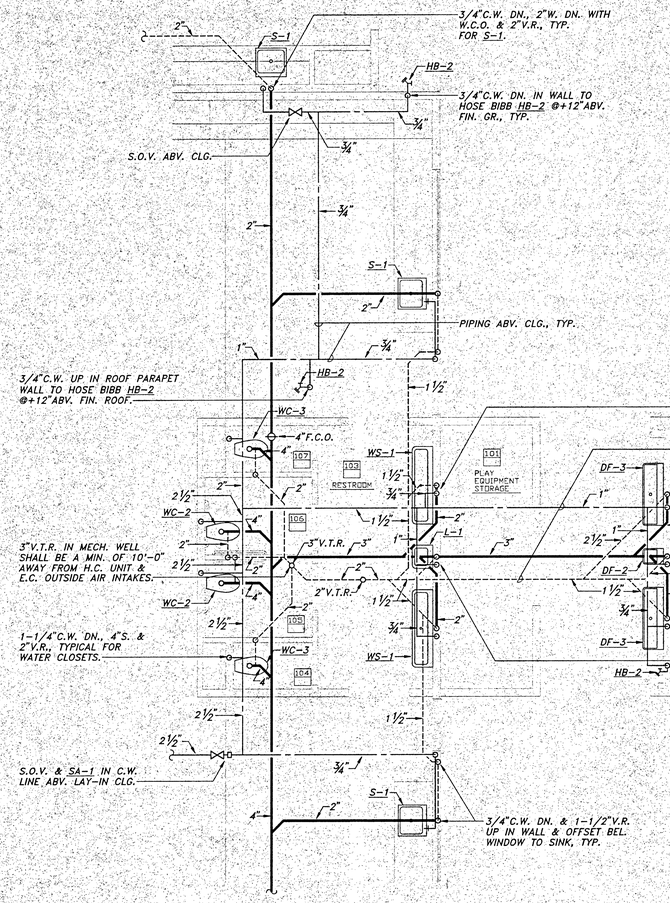
D / P-6



DETAILED PLUMBING PLAN – BLDG. "C"

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

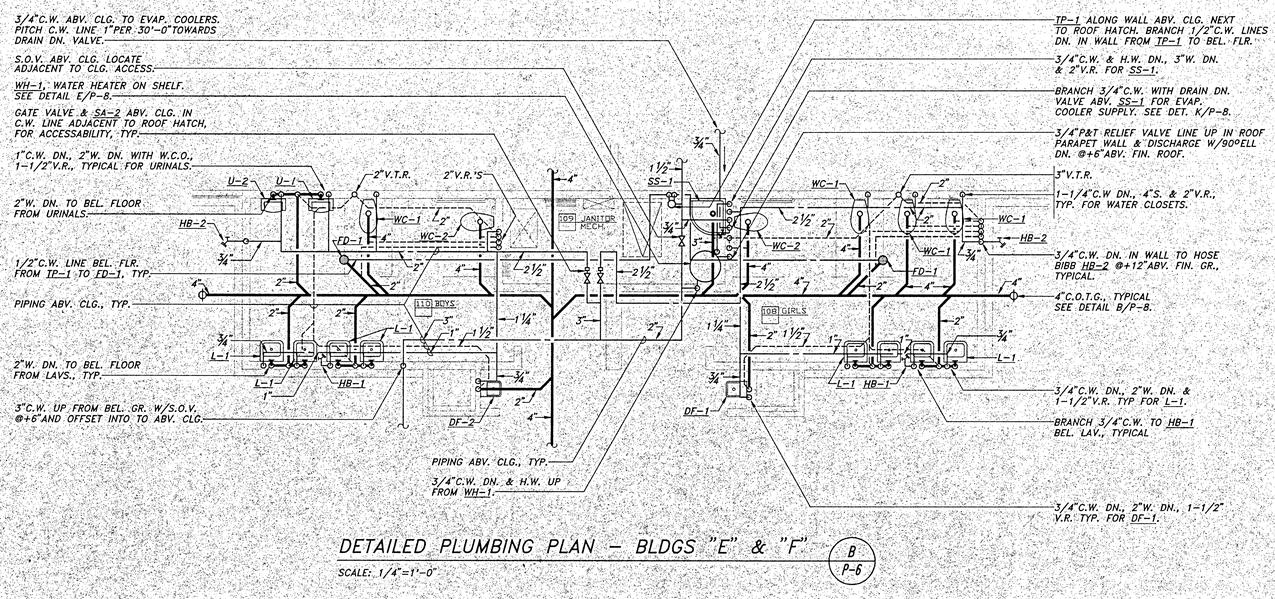
C / P-6



DETAILED PLUMBING PLAN – BLDG. "D"

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

A / P-6



DETAILED PLUMBING PLAN – BLDGS "E" & "F"

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

B / P-6

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPROVED FOR MR 11 1993
Date
Reviewed by

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Approved By

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT PHIL KLASSEN CIVIL STATE OF CALIFORNIA

C-8,610 C-10,401

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: DETAILED PLUMBING PLANS

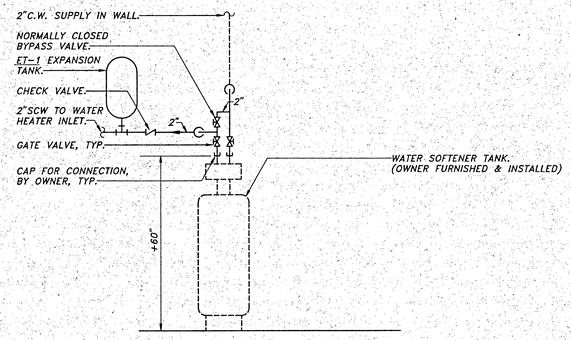
REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE No. 026224 Exp. 6-30-93 MECHANICAL STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1700 N. Fourth Avenue, Suite 23 Fresno, Ca. 93721
(209) 226-8155 FAX-209-224-4837

Date	Issued for:

Date	Revisions:

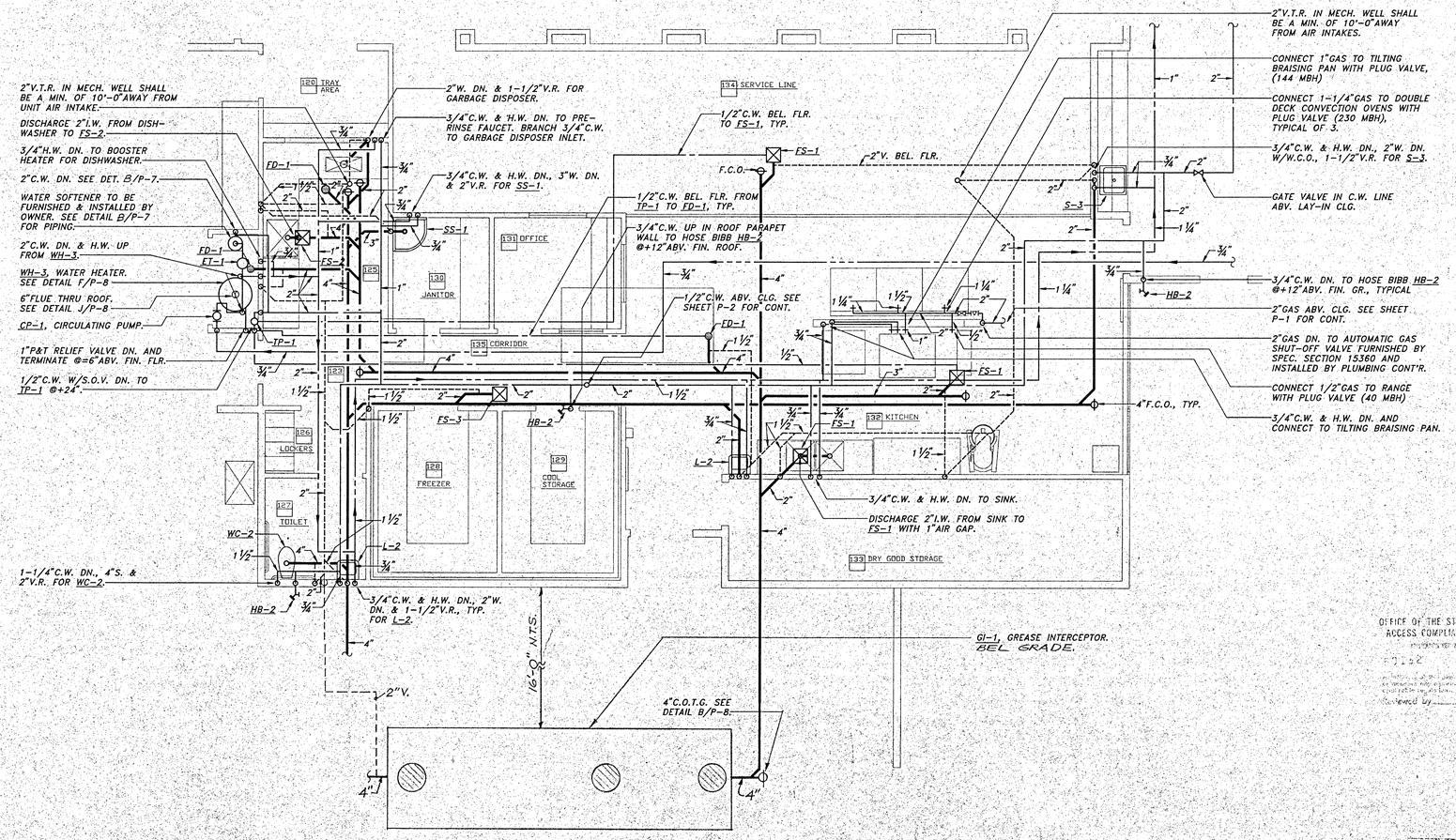
Drawn by: DLB
Checked by: GLN
Job no: 1283
Sheet: P.6
Sheet of: 8
Date:



WATER PIPING SCHEMATIC

SCALE: NONE

B / P-7



DETAILED PLUMBING PLAN – KITCHEN AREA BLDG. "C"

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

A / P-7

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT — LEVEL KLASSEN — 12-31-94 — STATE OF CALIFORNIA

C-8,610 C-10,401

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All dimensions on these drawings shall have precedence over scaled dimension. contractors shall verify and be responsible for all dimensions and conditions on the job site and this office shall be notified of any variation from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: DETAILED PLUMBING PLAN KITCHEN AREA BUILDING "C"

REGISTERED ENGINEER — GILBERT L. IVE — No. 6221 — Exp. 6-30-95 — MECHANICAL — STATE OF CALIFORNIA

Lawrence • Ive • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 N. Real Avenue, Suite 23 (209) 226-6135 Fresno, Ca 93711 FAX 209-226-6209

Date	Issued for:

Date	Revisions:

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
APPROVED PLANS
2152 MAY 1, 93
In accordance with applicable provisions of Title 24, California Code of Regulations
Reviewed by

Drawn by: DLB
Checked by: DAD
Job no: 1223
Sheet: P.7
Sheet of: 8
Date:

APPROVED PLANS MAY 1993

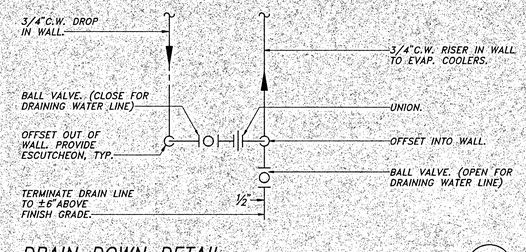
INVENTORY MAIN STAMP — Department of General Services — Office of the State Architect — PORTION 1 — MAR 11 1993 — Structural Safety Section — 59167

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

MARK	FIXTURE	CONNECTION SIZES S OR W	V.	C.W.	H.W.	DESCRIPTION
HB-2	HOSE BIBB	–	–	3/4"	–	WOODFORD #24P ROUGH BRONZE WALL HOSE VALVE WITH LOCKSHIELD, VACUUM BREAKER, AND LOOSE TEE KEY HANDLE.
FD-1	FLOOR DRAIN	2"	1-1/2"	–	–	JAY R. SMITH #2005-B, W/5" SQUARE NICKEL BRONZE STRAINER. PROVIDE TRAP PRIMER CONNECTION WHEN APPLICABLE.
FS-1	FLOOR SINK	–	–	–	–	JAY R. SMITH #3140-12C, 12" X 12" WITH FLASHING CLAMP AND WITH NICKEL BRONZE RIM AND HALF GRATE. SEE PLAN FOR SIZE. INSTALL FLUSH WITH FINISHED FLOOR. PROVIDE TRAP PRIMER CONNECTION WHEN APPLICABLE.
FS-2	FLOOR SINK	4"	2"	–	–	JAY R. SMITH #3200-12C, 16-1/2" X 16-1/2" X 12" DEEP WITH FLASHING CLAMP AND WITH NICKEL BRONZE RIM AND HALF GRATE. INSTALL FLUSH WITH FINISHED FLOOR.
FS-3	FLOOR SINK	–	–	–	–	JAY R. SMITH #3100-12C, 8-1/2" X 8-1/2" WITH FLASHING CLAMP AND WITH NICKEL BRONZE RIM AND HALF GRATE. SEE PLAN FOR SIZE. INSTALL FLUSH WITH FINISHED FLOOR. PROVIDE TRAP PRIMER CONNECTION WHEN APPLICABLE.
SA-1	SHOCK ABSORBER	–	–	1"	–	JAY R. SMITH #5030 ALL STAINLESS STEEL CONSTRUCTION, P.D.I. SYMBOL "D".
SA-2	SHOCK ABSORBER	–	–	1"	–	JAY R. SMITH #5020 ALL STAINLESS STEEL CONSTRUCTION, P.D.I. SYMBOL "C".
SA-3	SHOCK ABSORBER	–	–	1"	–	JAY R. SMITH #5010 ALL STAINLESS STEEL CONSTRUCTION, P.D.I. SYMBOL "B".
GI-1	GREASE INTERCEPTOR	4"	2"	–	–	M.C. NOTTINGHAM #B-4500, 4500 GALLON CAPACITY PRECAST REINFORCED CONCRETE TANK, WITH THREE GAS-TIGHT MANHOLE COVERS AND FRAMES EXTENDED TO GRADE.
CP-1	CIRCULATING PUMP	–	–	–	3/4"	GRUNDFOS #UP-25-64-SF IN-LINE CENTRIFUGAL PUMP WITH 3/4" FLANGED CONNECTIONS. 1/12 HP., 120V/1 PHASE. 5 GPM AT 16 FT. HEAD.
WH-1	WATER HEATER	–	–	3/4"	3/4"	AMERICAN APPLIANCE #EFR-15LS, 15 GALLON STORAGE CAPACITY, W/ONE 1500 WATT, 120V/1 PHASE ELEMENT, AND 3/4" P & T RELIEF VALVE. OPERATING WEIGHT = 195 LBS.
WH-2	WATER HEATER	–	–	3/4"	3/4"	AMERICAN APPLIANCE #MEFU, 30 GALLON STORAGE CAPACITY, 23 GPH RECOVERY RATE AT 80 DEG. F. TEMP. RISE, WITH TWO 4500 WATT, NON-SIMULTANEOUS 240V/1 PHASE ELEMENTS, AND 3/4" P & T RELIEF VALVE. OPERATING WEIGHT= 365 LBS.
WH-3	WATER HEATER	–	6"	1-1/2"	1-1/2"	AMERICAN APPLIANCE #DISD 250-100-1, 100 GALLON STORAGE CAPACITY, 250,000 BTUH INPUT, 281 GPH RECOVERY RATE AT 80 DEG. F. TEMP. RISE AND 1" P & T RELIEF VALVE. UNIT REQUIRES 120V/1 PHASE FOR INTERMITTENT IGNITION DEVICE. OPERATING WEIGHT = 1,483 LBS.

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
—HPG—	HIGH PRESSURE GAS	HPG
—LPG—	LIQUIDFIED PETROLEUM GAS	LPG
—C—	CONDENSATE DRAIN	CD
———	EXISTING PIPING	
—◇—	FLOOR CLEANOUT	FCO
—◇—	CLEANOUT TO GRADE	COTG
———	WALL CLEANOUT	WCO
—○—	PIPING TURN UP	
—⊖—	PIPING TURN DOWN	
—×—	POINT OF CONNECTION	POC
(N)	NEW	
(E)	EXISTING	
	ABOVE CEILING	ABV CLG
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	TYPICAL	TYP
	CONTINUATION	CONT
—⊗—	SHUT-OFF VALVE IN BOX	SOV
—▷◁—	SHUT-OFF VALVE	SOV
—↑↓—	CHECK VALVE	
—▽—	PLUG VALVE	
—F—	FIRE PROTECTION LINE	



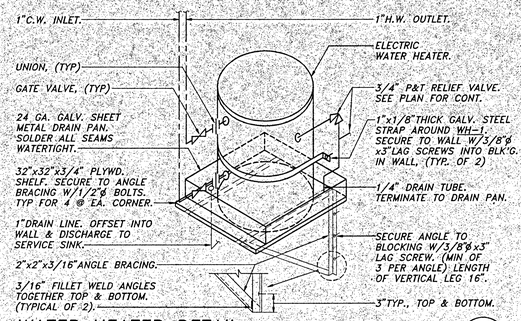
DRAIN DOWN DETAIL

K / P-8

SCALE: NONE

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

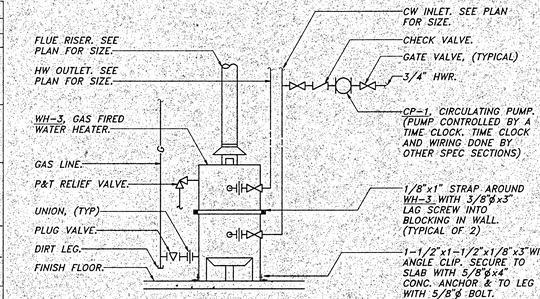
MARK	FIXTURE	CONNECTION SIZES S OR W	V.	C.W.	H.W.	DESCRIPTION
WC-1	WATER CLOSET	4"	2"	1/2"	–	AMERICAN STANDARD ELONGATED "MADERA AQUAMETER 1.5 GPF" #2234.015 WITH SLOAN "ROYAL" #111 FLUSH VALVE AND OLSONITE #95CC/SS OPEN-FRONT SEAT.
WC-2	WATER CLOSET	4"	2"	1"	–	AMERICAN STANDARD ELONGATED "ELDERLY NEWCADET AQUAMETER 1.5 GPF" #3043.102 W/SLOAN "ROYAL" #111 FLUSH VALVE & OLSONITE #95CC/SS OPEN-FRONT SEAT.
WC-3	WATER CLOSET	4"	2"	1"	–	AMERICAN STANDARD "BABY DEVORO 1.6 FV" #2282.010 WITH SLOAN "ROYAL" #111 FLUSH VALVE AND #126-CC OPEN-FRONT SEAT LESS COVER.
U-1	URINAL	2"	1-1/2"	1"	–	AMERICAN STANDARD "ALLBROOK" #6540.017 W/SLOAN "ROYAL"#180 FLUSH VALVE, & JAY R. SMITH#644-Z SUPPORT CARRIER W/FACTORY INSTALLED URINAL STRAINER.
U-2	URINAL	2"	1-1/2"	3/4"	–	AMERICAN STANDARD "WASHBROOK 1.0 GPF" #6501.010 W/#047068-0070A INTEGRAL STRAINER, SLOAN "ROYAL" #186-1 FLUSH VALVE AND JAY R. SMITH #637-Z SUPPORT CARRIER.
L-1	LAVATORY	2"	1-1/2"	1/2"	–	AMERICAN STANDARD "NEW LUCERNE" #0356.421, 20" X 18" WITH #2411.015 GRID DRAIN, CHICAGO #333-665-VPC SLOW-CLOSING FAUCET INDEXED "C" AND JAY R. SMITH #700-Z SUPPORT CARRIER. ADJUST FAUCET TO STAY OPEN FOR 10 SECONDS.
L-2	LAVATORY	2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD "NEW LUCERNE" #0355.012, 20" X 18" WITH #2411.015 GRID DRAIN, MOEN #8470 SINGLE LEVER FAUCET, AND JAY R. SMITH #700-Z SUPPORT CARRIER.
WS-1	WASH SINK	2"	1-1/2"	1/2"	1/2"	KOHLER "BROCKWAY" #K-3200, 5' LONG ENAMELED CAST IRON WITH #K-8820 GRID DRAIN, TWO #K-8880 SOAP DISHES, THREE #K-8892 FAUCETS, AND JAY R. SMITH #850-Z SUPPORT CARRIER.
S-1	CLASSROOM SINK	2"	1-1/2"	1/2"	–	JUST #HCRA-1931-A-GR, 19"x31"x 6-1/2 DEEP STAINLESS STEEL WITH CHICAGO#350-VPC PANTRY FAUCET INDEXED "C" AT LEFT REAR, CHICAGO #748-665-VPW DRINKING BUBBLER AT RIGHT FRONT, AND SINK STRAINER. FAUCET HANDLE & BUBBLER W/ LEVER
S-2	SINK	2"	1-1/2"	1/2"	1/2"	JUST #SL-1921-A-GR, 19" X 21" STAINLESS STEEL WITH #J35GS BASKET STRAINER, AND CHICAGO #786 SWIVEL GOOSENECK FAUCET WITH #E3 AERATOR AND 4" WRIST BLADE HANDLES.
S-3	SINK	2"	1-1/2"	1/2"	1/2"	JUST #SL-1921-A-GR, 19" X 21" STAINLESS STEEL WITH #J35GS BASKET STRAINER AND CHICAGO #527 FAUCET.
S-4	SINK	2"	1-1/2"	1/2"	1/2"	JUST #CRB-1921-A-GR, 19"x21" STAINLESS STEEL W/#J35GS STRAINER, CHICAGO #527 FAUCET AND HAWS #5505 BUBBLER WITH LEVER HANDLE & RIGHT LEDGE.
SS-1	SERVICE SINK	3"	2"	1/2"	1/2"	AMERICAN STANDARD "FLORWELL" #7740.020, 28" X 28" ENAMELED CAST IRON WITH #7745.011 RIM GUARD, #8344.111 WALL MOUNT FAUCET WITH VACUUM BREAKER, STOPS, AND WALL BRACE, #7721.038 DRAIN, AND WITH STERN-WILLIAMS #T35 36" HOSE WITH WALL BRACKET.
EDF-1	ELECTRIC DRINKING FOUNTAIN	2"	1-1/2"	1/2"	–	HAWS #HWBF8-S WALL-MOUNT FOR WHEELCHAIR ACCESS WITH STAINLESS STEEL CABINET AND JAY R. SMITH #800-Z SUPPORT CARRIER. 1/5 HP., 120V/1 PHASE.
DF-2	DRINKING FOUNTAIN	2"	1-1/2"	1/2"	–	HAWS #1118BP, WALL-MOUNT STAINLESS STEEL FOR WHEELCHAIR ACCESS, PUSH BAR OPERATION,BACKPLATE,AND JAY R. SMITH #824-Z SUPPORT CARRIER.
DF-3	DRINKING FOUNTAIN	2"	1-1/2"	1/2"	–	HAWS #1441 WALL-MOUNT FOR WHEELCHAIR ACCESS WITH TWO VANDAL PROOF BUBBLERS AND PUSH-BUTTON VALVES, VANDAL RESISTANT BOTTOM PLATE, AND JAY R. SMITH #824-Z SUPPORT CARRIER.
HB-1	HOSE BIBB	–	–	3/4"	–	WOODFORD #24P POLISHED CHROME WALL HOSE VALVE WITH LOCKSHIELD, VACUUM BREAKER, AND REMOVABLE LOOSE TEE KEY HANDLE.
TP-1	TRAP PRIMER	–	–	1/2"	–	P.P.P. #P-1 VALVE W/DISTRIBUTION UNITS AS REQUIRED FOR UP TO (4) DRAINS.
ET-1	EXPANSION TANK	–	–	–	–	AMTROL #ST-5, 5 GALLON ASME RATED WITH STAINLESS STEEL CONNECTIONS & FDA APPROVED BLADDER FOR POTABLE WATER USE.



WATER HEATER DETAIL

E / P-8

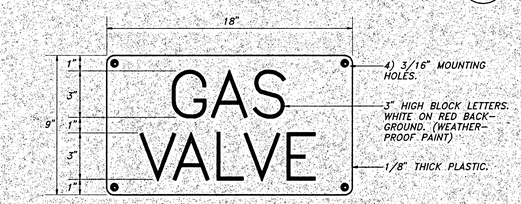
SCALE: NONE



WATER HEATER DETAIL

F / P-8

SCALE: NONE

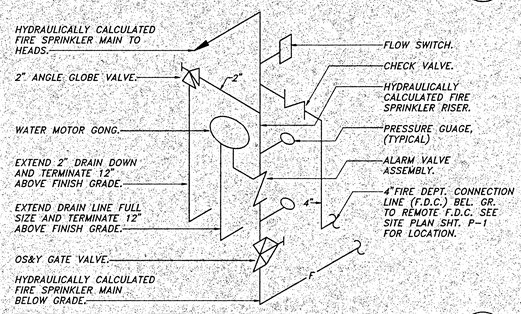


NOTE:
SIGN TO BE CONSPICUOUSLY LOCATED ABOVE BUILDING GAS SHUT-OFF VALVE AS INDICATED ON FLOOR PLAN.

GAS VALVE SIGN DETAIL

G / P-8

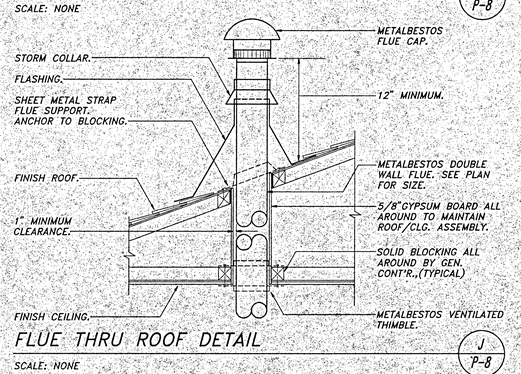
SCALE: NONE



FIRE SPRINKLER RISER DETAIL

H / P-8

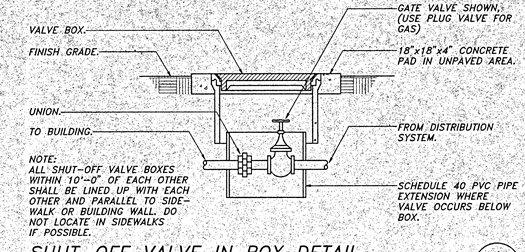
SCALE: NONE



FLUE THRU ROOF DETAIL

J / P-8

SCALE: NONE

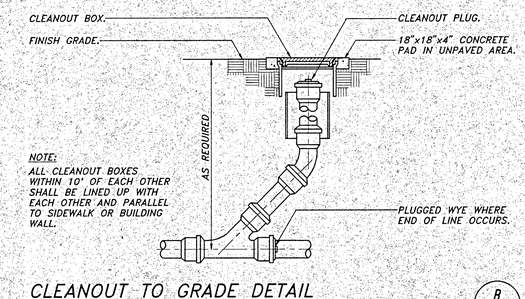


NOTE:
ALL SHUT-OFF VALVE BOXES WITHIN 10'-0" OF EACH OTHER SHALL BE LINED UP WITH EACH OTHER AND PARALLEL TO SIDE-WALK OR BUILDING WALL. DO NOT LOCATE IN SIDEWALKS IF POSSIBLE.

SHUT-OFF VALVE IN BOX DETAIL

A / P-8

SCALE: NONE

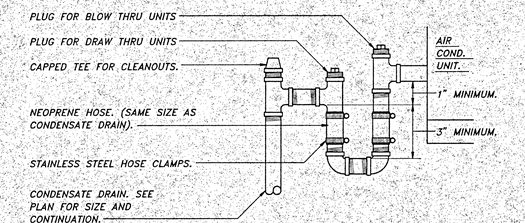


NOTE:
ALL CLEANOUT BOXES WITHIN 10' OF EACH OTHER SHALL BE LINED UP WITH EACH OTHER AND PARALLEL TO SIDEWALK OR BUILDING WALL.

CLEANOUT TO GRADE DETAIL

B / P-8

SCALE: NONE



CONDENSATE DRAIN CONNECTION DETAIL

C / P-8

SCALE: NONE

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C-8,610 C-10,401

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

Sheet title: PLUMBING DETAILS & SCHEDULES

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Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
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(559) 226-6131 — FAX 226-6137

Date:	Issued for:

Date:	Revisions:

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
reviewed per W.M. 4-99
5-11-2 MAR 11 '03
Reviewed by:

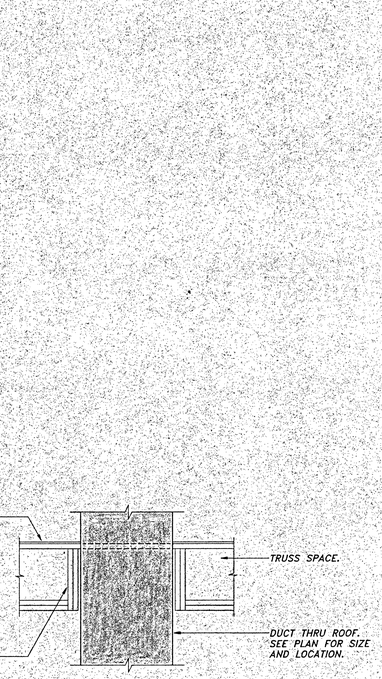
Drawn by: DLB
Checked by: GNL
Job no: 1823

Sheet: P.8
Sheet of: 6

Date:

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 2003
Structural Safety Section
Approved by:

AIR CONDITIONING LEGEND		
SYMBOL	ITEM	ABBR
	ROUND DUCT	—
	SHEET METAL DUCT	—
	DUCT WITH ACOUSTIC LINING	—
	SUPPLY AIR DUCT DROP	—
	RETURN AIR DUCT DROP	—
	EXHAUST AIR DUCT DROP	—
	SUPPLY AIR DUCT RISE	—
	RETURN AIR DUCT RISE	—
	EXHAUST AIR DUCT RISE	—
	TURNING VANES	TV
	EXTRACTOR	—
	VOLUME CONTROL DAMPER WITH LOCKING QUADRANT	VCD
	FIRE DAMPER WITH ACCESS PANEL	FD
CFM	CUBIC FEET OF AIR PER MINUTE	CFM
T	THERMOSTAT @ +4'-0"	T'STAT
	DIRECTION OF FLOW	—
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
	PIPE OR DUCT TURN DOWN	—
	PIPE OR DUCT TURN UP	—
	BYPASS TIMER	BPT
	POINT OF CONNECTION	POC
	EXISTING (DESIGNATED)	(E)



DUCT PENETRATION THRU ROOF DETAIL

A/M-1

SCALE: NONE

GENERAL PROJECT NOTE – COORDINATION OF WORK

Layout of materials, equipment and systems is generally diagramatic unless specifically dimensioned. Some work may be shown offset for clarity. 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 interferences with each other, or with structural, electrical, architectural or other elements. 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.

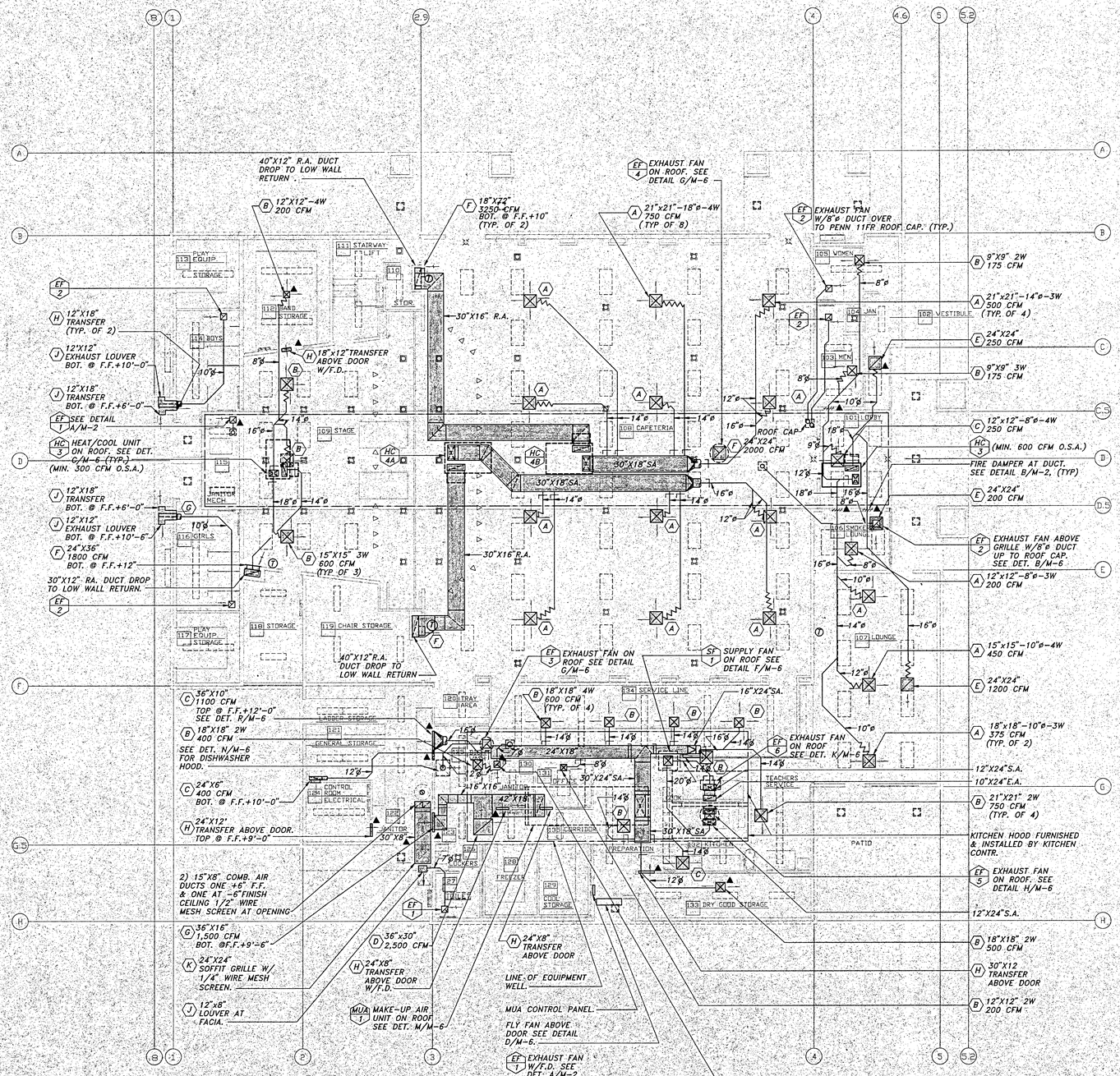
NOTE: ALL ROOF PENETRATIONS IN THIS BUILDING REQUIRE A DUCT SHAFT. SEE DETAIL A/M-1.

All mechanical and electrical equipment shall be braced or anchored to resist a horizontal force acting in any direction using the following criteria:

Fixed Equipment on GRADE ... 20% OF Operating Weight
Fixed Equipment on Structure ... 30% of Operating Weight

For Flexibly Mounted Equipment Use 4x the above values. Simultaneous Vertical Force = Use 1/3x Horizontal Force.

Where anchorage details are not shown on the drawings the field installation shall be subject to the approval of the mechanical engineer and the field representative of the Office of the State Architect.



CAFETERIA AIR CONDITIONING PLAN

C

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REGISTERED ARCHITECT KARL KLASSEN C10401 EXP. 1-31-13 STATE OF CALIFORNIA

C-8,610 C-10,401

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

Sheet title: AIR CONDITIONING PLANS

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE M 026724 Exp. 6/30/13 MECHANICAL STATE OF CALIFORNIA

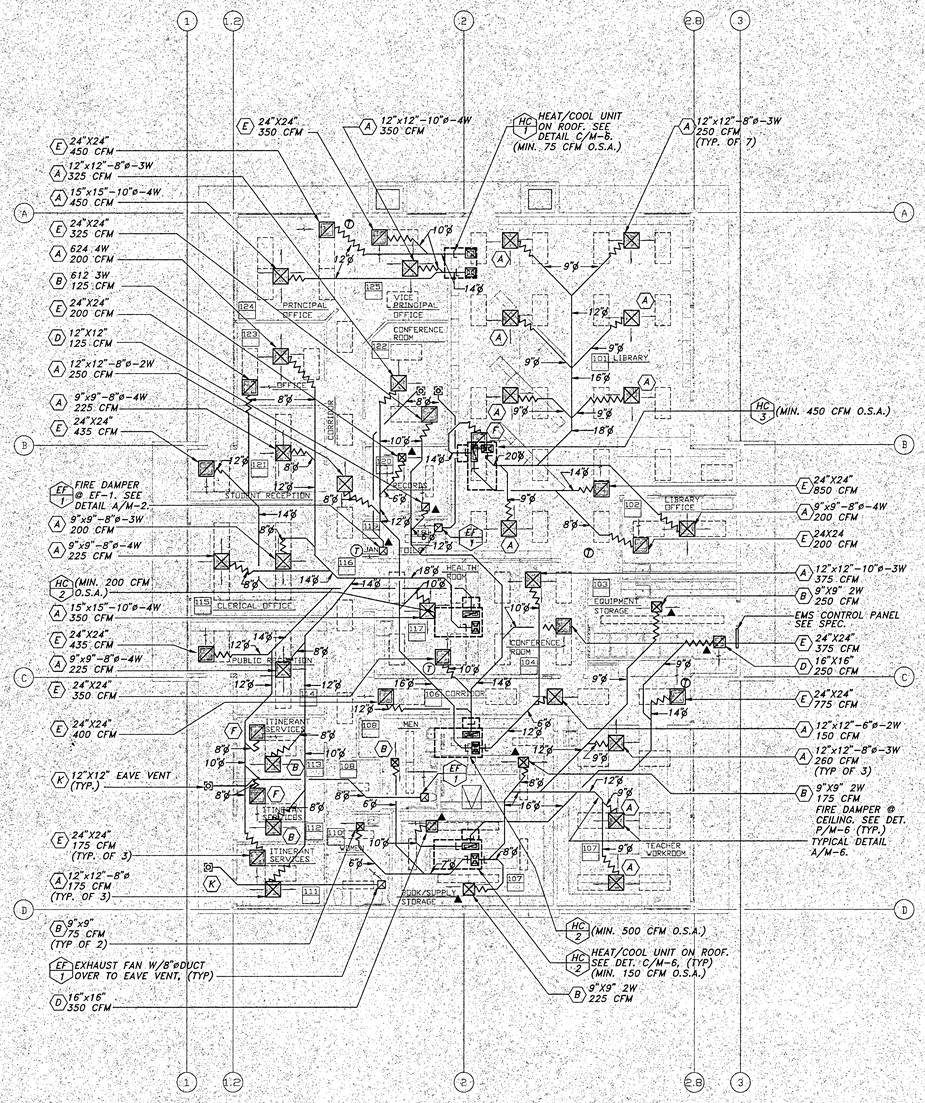
Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1360 E. Main Street, Suite 10 Ventura, CA 93001
(805) 652-0323 FAX (805) 652-0327

Date:	Issued For:

Date:	Revisions:

CERTIFICATION CLEARED
Department of General Services
Office of the State Architect
PORTION 1
1 1 1993
Structural Safety Section
BY

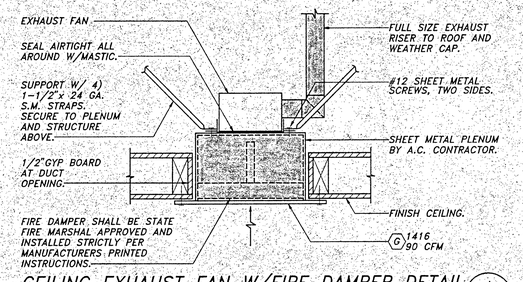
Drawn by: TLB
Checked by: LNB
Job no: 1223
Sheet: M.1
Sheet of: 6
Date:



north

ADMINISTRATION / LIBRARY AIR CONDITIONING PLAN 'A'

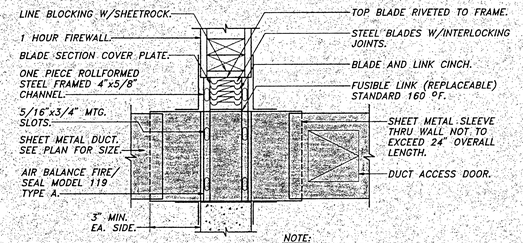
1/8" = 1'-0"



CEILING EXHAUST FAN W/FIRE DAMPER DETAIL

A / M-2

SCALE: NONE



FIRE DAMPER SPECIFICATION:
ALL FIRE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED & INSTALLED STRICTLY PER MANUFACTURERS PRINTED INSTRUCTIONS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.

NOTE:
L FRAME WELDED, BOLTED OR SCREWED TO ALL 4 SIDES OF SLEEVE. L FRAME SHALL BE DESIGNED TO LAP WALL NOT LESS THAN 1". ROUGH OPENING IN MASONRY WALLS & NET OPENING IN FRAME WALLS SHALL EXCEED NET O.D. OF DAMPER ASSEMBLY. DO NOT FASTEN SIDES OR TOP OF L TO WALL OR PARTITION.

FIRE DAMPER DETAIL

B / M-2

SCALE: NONE

FIRE DAMPER DETAIL FOR REFERENCE ONLY.

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LICENSED ARCHITECT — LARRY KLASSEN — C16421 — EXPIRES 08-31-2013 — STATE OF CALIFORNIA

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Contractor shall verify and be responsible for all dimensions and conditions on the job. Any discrepancies must be reported immediately to this office prior to beginning of any construction. Commencement of any construction by any contractor or subcontractor shall constitute acceptance of the drawings as instruments of service. Any errors or omissions noted on these drawings must be reported immediately to this office prior to beginning of any construction.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: ADMINISTRATION/LIBRARY AIR CONDITIONING PLAN

REGISTERED PROFESSIONAL ENGINEER — GILBERT L. NYE — M 026224 — EXP. 6-30-13 — MECHANICAL — STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1360 N. Blue Gum St., Suite 111 Anaheim, CA 92806 (714) 238-8111
2500 Venture Oaks Way, Suite 210 Sacramento, CA 95833 (916) 263-3870

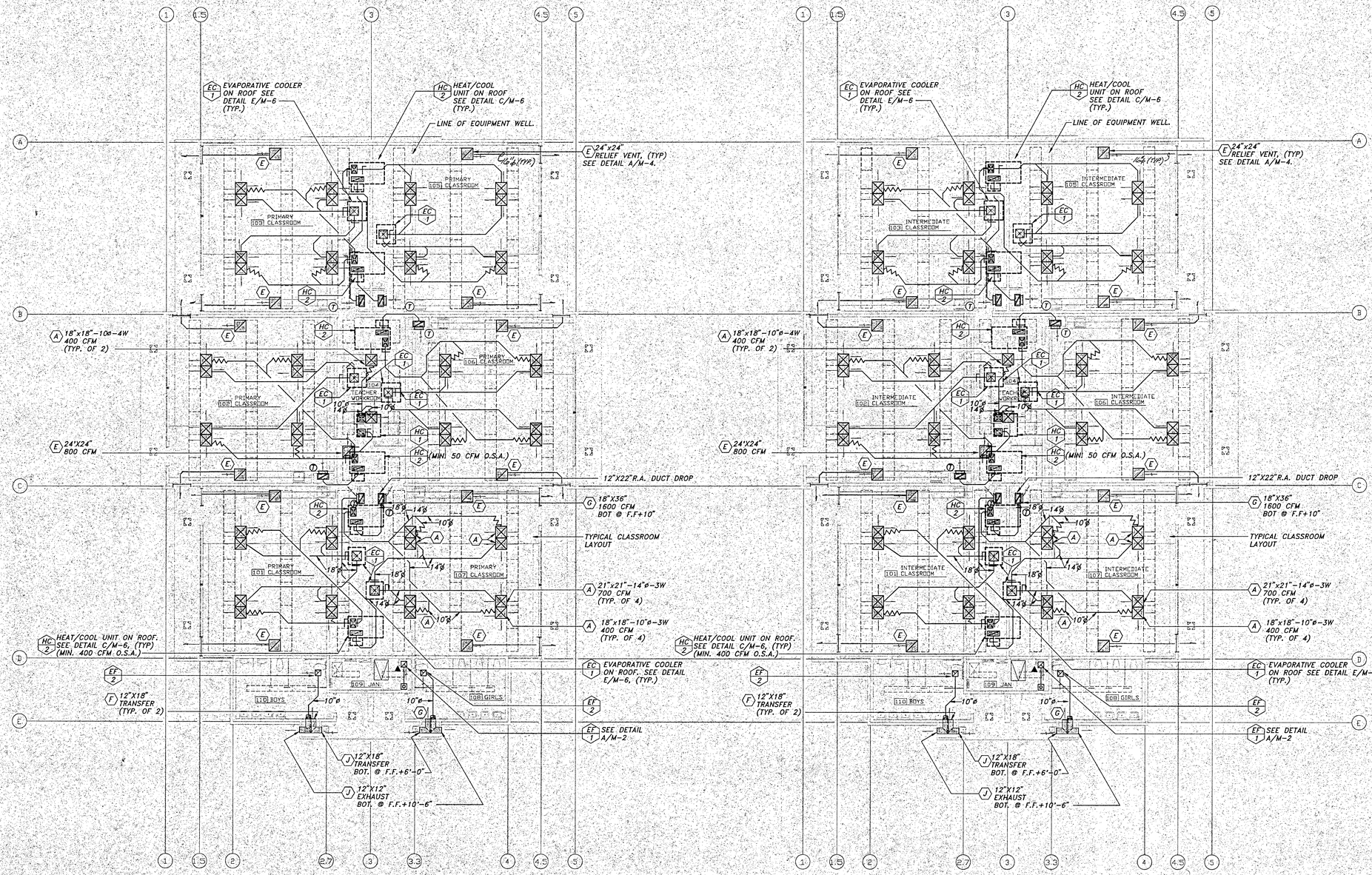
Date	Issued For:

Date	Revisions:

Drawn by: SLB
Checked by: LMB
Job no: 1223

Sheet: M.2
Sheet of: 6
Date:

IDENTIFICATION STAMP — Department of General Services — Office of the State Architect — PORTION 1 — MAR 11 1993 — Structural Safety Section — Approved By — MAR 8 1993



north

PRIMARY CLASSROOM AIR CONDITIONING PLAN 'E'

1/8" = 1'-0"

INTERMEDIATE CLASSROOM AIR CONDITIONING PLAN 'F'

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

C-8,610 F.O.F. CA/V C-10,401

These drawings and specifications are, and shall remain, the property of the Architect and the visual and written information contained thereon shall not be used in whole or part, other than for the specified project, for any other project, without the written agreement of the Architect. Visitors, contractors and subcontractors shall confirm and verify the accuracy of these restrictions with the Architect before using any portion of the visual and written information contained thereon. Any unauthorized use, without the specific written agreement of the Architect, of any portion of the visual and written information contained thereon, or any similar project, shall be at the sole risk of the user and without liability or legal exposure to the Architect. User shall indemnify and hold harmless the Architect and his consultants against all damages, liabilities or costs, including reasonable attorney's fees and defense costs, arising from any such use. Do not scale drawings. Prior to proceeding with fabrication, the contractor shall verify all dimensions and conditions and shall report any discrepancies to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: DIMENSIONAL & INTERMEDIATE / PRIMARY CLASSROOM AIR CONDITIONING PLAN

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE M 026224 Exp. 6-30-25 MECHANICAL STATE OF CALIFORNIA

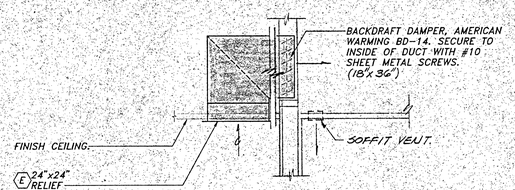
Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 N. Blue Avenue, Suite 23 Fresno, CA 93711
(559) 338-4135 FAX 559-431-4227

Date:	Issued for:

Date:	Revisions:

IDENTIFICATION
Department of General Services
Office of the State Architect
PORTION 1
JAN 11 2023
Structural Safety Section
Approved By

Drawn by: DLB
Checked by: LHB
Job no: 1223
Sheet: M.3
Sheet of: 6
Date:



SECTION AT RELIEF VENT DETAIL — A / M-4

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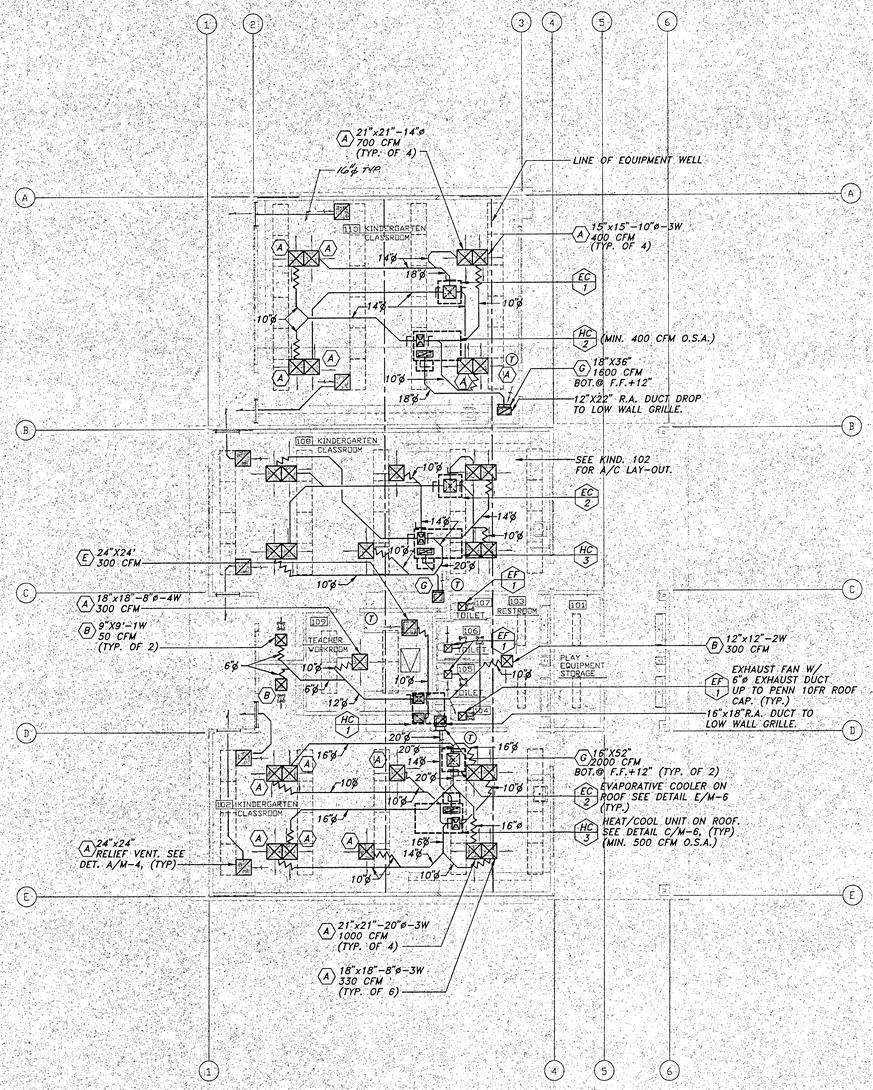

north

KINDERGARTEN AIR CONDITIONING PLAN — 'D'

1/8" = 1'-0"

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT — L. PHIL KLASSEN — CIVIL — STATE OF CALIFORNIA — REN. 8-31-2010

C-8,610 C-10,401

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Contractor shall verify and be responsible for all dimensions and conditions. Do not scale drawings. Any discrepancies, errors or omissions found in these drawings shall be reported to the architect immediately. Contractor shall not proceed with any work in question until the discrepancy is resolved. Figured dimensions govern over scaled dimensions. Contractor shall submit shop drawings to the architect for review before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

Sheet title: KINDERGARTEN AIR CONDITIONING PLAN

REGISTERED PROFESSIONAL ENGINEER — GILBERT L. NYE — M 020224 Exp. 6-30-09 — MECHANICAL — STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
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Date	Issued for

Date	Revisions

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PORTION 1
MAR 11 2009
Structural Safety Section
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RECEIVED BY
MAR 6 2009

Drawn by: DLB
Checked by: LHB
Job no: 1223

Sheet: M.4
Sheet of: 6
Date:

GRILLE SCHEDULE		
MARK	DUTY	DESCRIPTION
A	CEILING SUPPLY	TUTTLE & BAILEY SRSV LOUVER FACE SQUARE NECK W/ROUNDNECK ADAPTER DIFFUSER FOR STD. LAY-IN CEILING, WITH O.B.D., FLAT BLACK INTERIOR AND NO. 7 FINISH.
B	CEILING SUPPLY	TUTTLE & BAILEY SFSV LOUVER FACE SQUARE NECK DIFFUSER FOR SURFACE MOUNTING WITH O.B.D. FIXED PATTERN, AND NO. 7 FINISH.
C	WALL SUPPLY	TUTTLE & BAILEY GEAV DIFFUSER WITH INTEGRAL CORE, O.B.D. 5 DEG. UPWARD DEFLECTION AND NO. 7 FINISH.
D	CEILING RETURN OR EXHAUST	TUTTLE & BAILEY TXE ALUMINUM EGG CRATE REGISTER WITH 1/2"X1/2" GRID FOR SURFACE MOUNTING, AND NO. 7 FINISH.
E	CEILING RETURN OR EXHAUST	TUTTLE & BAILEY TXO ALUMINUM EGG CRATE REGISTER WITH 1/2"X1/2" GRID FOR STD. LAY-IN CEILING.
F	WALL RETURN (HEAVY DUTY)	TUTTLE & BAILEY T110G HEAVY GAGE STEEL CORE REGISTER O.B.D., AND BAKED OFF-WHITE ENAMEL FINISH.
G	WALL RETURN OR EXHAUST	TUTTLE & BAILEY GERV REGISTER WITH INTEGRAL CORE, (WITHOUT INDENTS), O.B.D., AND NO. 7 FINISH.
H	TRANSFER GRILLE	TUTTLE & BAILEY GER REGISTER WITH INTEGRAL CORE, (WITHOUT INDENTS), AND NO. 7 FINISH.
J	WALL LOUVER	AMERICAN WARMING AND VENTILATING LF-47. FORMER METAL LOUVER, PRIME COAT SUITABLE FOR FINISH PAINTING, WITH BIRD SCREEN.
K	SOFFIT GRILLE	TUTTLE & BAILEY GER WITH INTEGRAL CORE,(WITHOUT INDENTS). AND NO.7 FINISH

SUPPLY FAN SCHEDULE	
DESIGNATION	SF 1
CFM	4,000
ESP (IN WC)	0.625
HP/WATTS	1-1/2 / -
VOLTS/PHASE	208/3
RPM	620
TIP SPEED/SONES	2,418/-
DRIVE	BELT
MOUNTING	ROOF
FILTERS	4/20X25X2
MANUFACTURER	PENN
TYPE	MUFFAN
MODEL NUMBER	MU4015
CONTROL	①
LOCATION	KITCHEN
OPER WT (LBS)	200
ACCESSORIES	-

① INTER-LOCK W/MUA-1.

PACKAGE AIR CONDITIONING UNIT SCHEDULE					
DESIGNATION		HC 1	HC 2	HC 3	HC 4A - HC 4B
NAMEPLATE AMPS		14.2	10.4	13.68	14.91
VOLTS/PHASE		208/1	460/3	460/3	460/3
SEER AT ARI		9.5	9.3	9.3	8.4
BLOWER	CFM	800	1600	2,000	4,000
	DUCT SP (IN WC)	0.5	0.5	0.6	1.0
	MIN OSA (CFM)	SEE PLAN	SEE PLAN	SEE PLAN	1000
	HP/SPEED	1/3 / MED	3/4 / HI	1.0/-	2 / -
	DRIVE	DIRECT	DIRECT	DIRECT	BELT
	MAX FUSE SIZE	25	20	20	30
COOLING	SENSIBLE (MBH)	18.5	37.9	49.5	95.9
	TOTAL (MBH)	20.9	44.4	54.1	108.1
	EADB/EAWB (°F)	80/64	80/64	80/64	80/64
	AMB AIR (°F)	110	110	110	110
HEATING	INPUT (MBH)	40.0	74.0	74.0	180.0
	OUTPUT (MBH)	31.0	58.46	58.46	142.2
	FUEL	NATURAL GAS	NATURAL GAS	NATURAL GAS	NATURAL GAS
FILTERS	QUANTITY/SIZE	1/20x25x2	2/16x25x2	2/16x25x2	4/20x20x2
	TYPE	FARR 30/30	FARR 30/30	FARR 30/30	FARR 30/30
	PD (IN WC)	0.2	0.3	0.3	0.3
MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER
TYPE		GAS ELECTRIC	GAS ELECTRIC	GAS ELECTRIC	GAS ELECTRIC
MODEL NUMBER		48NLTQ24300	48DJD005	48DJD006	48DJD012
LOCATION		ROOF	ROOF	ROOF	ROOF
OPER WT (LBS)		460	540	600	1,100
ACCESSORIES		SEE SPECS	SEE SPECS	SEE SPECS	SEE SPECS

EXHAUST FAN SCHEDULE						
DESIGNATION	EF 1	EF 2	EF 3	EF 4	EF 5	EF 6
CFM	95	200	500	2,000	3,900	3,600
ESP (IN WC)	0.1	0.1	0.30	0.25	1.0	1.0
HP/WATTS	-/50	-/105	1/8-/-	1/2/-	1 1/2/-	2/-
VOLTS/PHASE	120/1	120/1	120/1	120/1	208/3	208/3
RPM	1050	1050	1079	1517	785	1,465
TIP SPEED/SONES	-/1.3	-/2.4	3,107/4.3	5,361/11.0	5,035/8.7	6701
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	BELT	BELT
MOUNTING	CEILING	CEILING	ROOF	ROOF	ROOF	ROOF
MANUFACTURER	PENN	PENN	PENN	PENN	PENN	ILG
TYPE	ZEPHYR	ZEPHYR	DOMEX	DOMEX	FUMEX	UTILITY
MODEL NUMBER	Z-6	Z-8	AT10L	AB35	24B	BCL1650
CONTROL	①	①	SEE SPEC.	②	SEE SPEC.	SEE SPEC.
LOCATION	SEE PLANS	SEE PLANS	DISH WASH	MULTI-USE	KITCHEN	KITCHEN
OPER WT (LBS)	20	25	40	50	220	200
ACCESSORIES	-	-	-	ACOUSTIC CURB	HINGED SUBBASE VENTILATED CURB	-

① INTERLOCK WITH EMS.
② INTERLOCK WITH HC-4A & 4B.

EVAPORATIVE COOLER SCHEDULE		
DESIGNATION	EC 1	EC 2
CFM	2800	4,000
ESP (IN WC)	0.4	0.4
FAN HP	1/2	3/4
FAN VOLTS/PHASE	120/1	120/1
PUMP HP	75W	75W
PUMP VOLTS/PHASE	120/1	120/1
RPM	-	-
MANUFACTURER	ARVIN	ARVIN
TYPE	DOWN DISCH	DOWN DISCHARGE
MODEL NUMBER	ED430C	ED6300
LOCATION	ROOF	ROOF
OPER WT (LBS)	325	400
ACCESSORIES	-	FILTERS (4) 20"x25"x2" WASHABLE

MAKE-UP AIR UNIT SCHEDULE	
DESIGNATION	MUA 1
HI/LOW	8,000/5,330
ESP (IN WC)	.6
HP	7 1/2
VOLTS/PHASE	460/3
INPUT (MBH)	540.0
OUTPUT (MBH)	432.0
FUEL	NATURAL GAS
	8
MANUFACTURER	ENERGY LABS INC.
TYPE	HEAT/COOL
MODEL NUMBER	D80A20FC
LOCATION	KITCHEN
OPER WT (LBS)	4,400
ACCESSORIES	①

① 12" CELDEK EVAPORATIVE COOLER MODUAL OUTSIDE AIR/RETURN AIR DAMPERS, FACTORY S.A. & R.A. PLENUM, & 2 SPEED FAN. SEE SPECS FOR ADDITIONAL INFORMATION.

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE M 026228 Exp. 6-30-95 MECHANICAL STATE OF CALIFORNIA

PORTION 1
IDENTIFICATION CARD
Department of General Services
Office of the State Architect
MAR 11 1993
Structural Safety Section
OSA 19 A 57 1 6 2
Date Approved 3/4/93

RECEIVED
MAR 8 1993

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT PAUL KLASSEN RENEWAL 08/31/94 STATE OF CALIFORNIA

C-8610 (C-10,61)

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

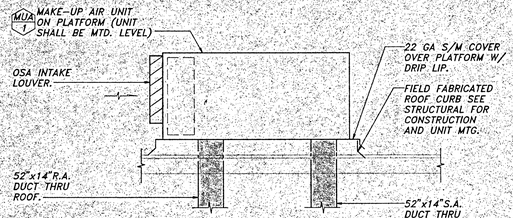
Sheet title: AIR CONDITIONING SCHEDULES

Lawrence • Nye • Recker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1330 N. Glen Avenue, Suite 23 (209) 226-0115 Fresno, CA 93711 FAX (209) 224-4259

Date	Issued for

Date	Revisions

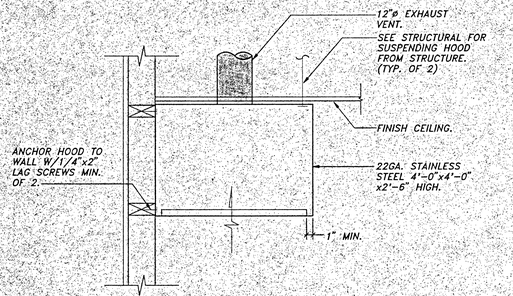
Drawn by: DLB
Checked by: LMB
Job no: 1223
Sheet: M.5
Sheet of: 6
Date:



SECTION AT MAKE-UP AIR UNIT

SCALE: NONE

M / M-6



SECTION AT DISHWASHER HOOD

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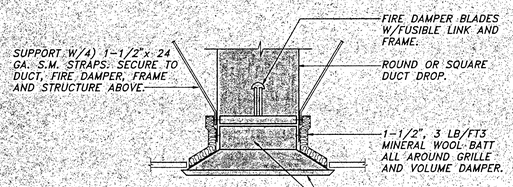
N / M-6



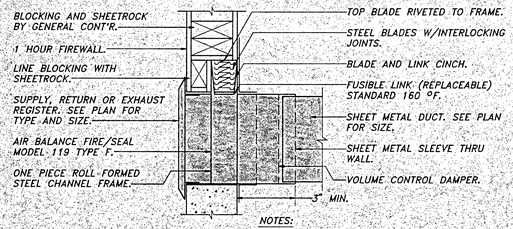
FIRE DAMPER SPECIFICATIONS:

ALL FIRE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED AND INSTALLED STRICTLY PER MANU-FACTURERS PRINTED INSTRUCTIONS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.

CEILING FIRE DAMPER DETAIL

SCALE: NONE

P / M-6



NOTES:

1. GRILLE W/REMOVABLE CORE WHERE ACCESS DOOR IS IMPRACTICAL.
2. L' FRAME WELDED, BOLTED OR SCREWED TO ALL 4 SIDES OF SLEEVE. L' FRAME SHALL BE DESIGNED TO LAP WALL NOT LESS THAN 1". ROUGH OPENING IN MASONRY WALLS & NET OPENING IN FRAME WALLS SHALL EXCEED NET O.D. OF DAMPER ASSEMBLY. DO NOT FASTEN SIDES OR TOP OF L' TO WALL OR PARTITION.

FIRE DAMPER SPECIFICATION:

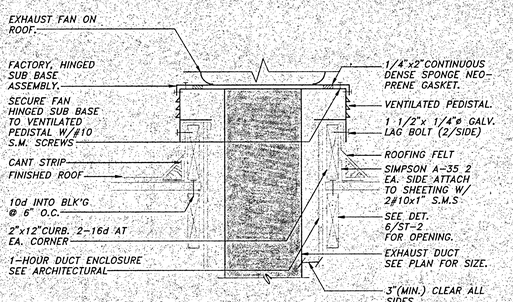
ALL FIRE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED & INSTALLED STRICTLY PER MANUFACTURERS PRINTED INSTRUCTIONS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.

FIRE DAMPER DETAIL

SCALE: NONE

FIRE DAMPER DETAIL FOR REFERENCE ONLY.

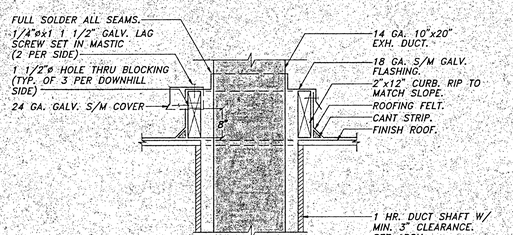
R / M-6



KITCHEN FAN MTG. DETAIL

SCALE: NONE

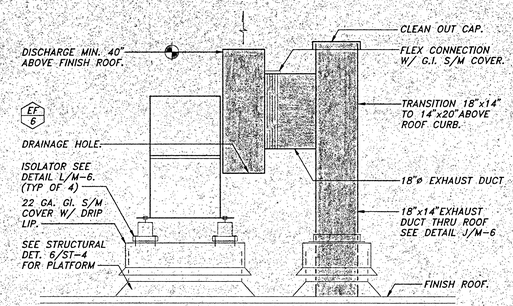
H / M-6



KITCHEN EXHAUST ROOF PENETRATION DETAIL

SCALE: NONE

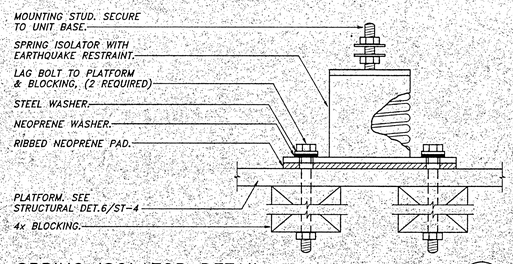
J / M-6



EXHAUST FAN EF-6 MOUNTING

SCALE: NONE

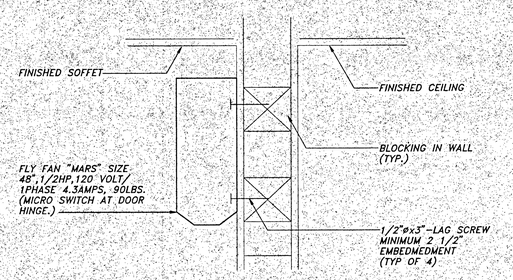
K / M-6



SPRING ISOLATOR DETAIL

SCALE: NONE

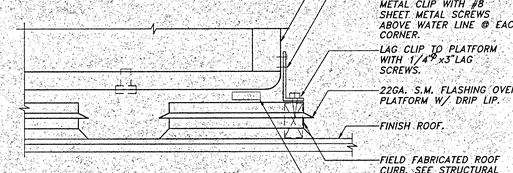
L / M-6



FLY FAN MOUNTING DETAIL

SCALE: NONE

D / M-6

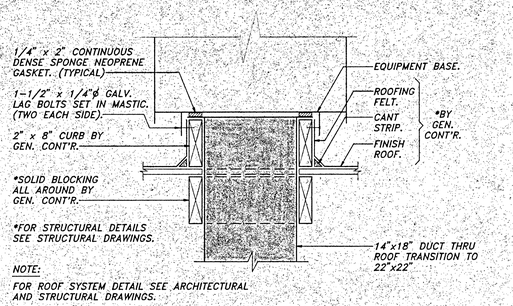


NOTE:
NOTCH PLATFORM TO ACCOMMODATE DRAIN & OVERFLOW PIPE.

EVAPORATIVE COOLER MOUNTING DETAIL

SCALE: NONE

E / M-6

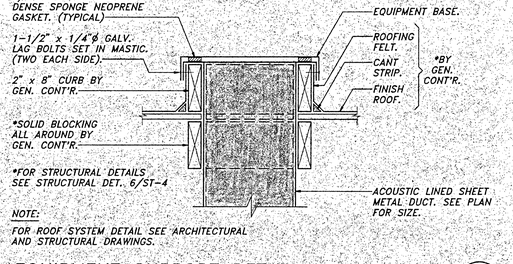


NOTE:
FOR ROOF SYSTEM DETAIL SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

SUPPLY FAN MOUNTING

SCALE: NONE

F / M-6

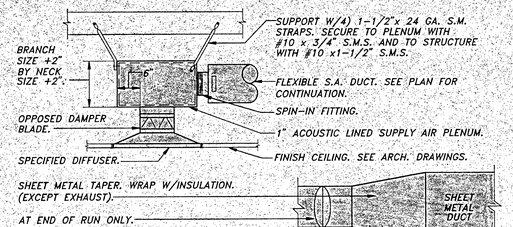


NOTE:
FOR ROOF SYSTEM DETAIL SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

EQUIPMENT SUPPORT DETAIL

SCALE: NONE

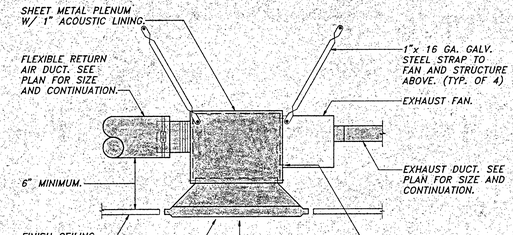
G / M-6



TYPICAL S.A. DEVICE-BRANCH DUCT DETAIL

SCALE: NONE

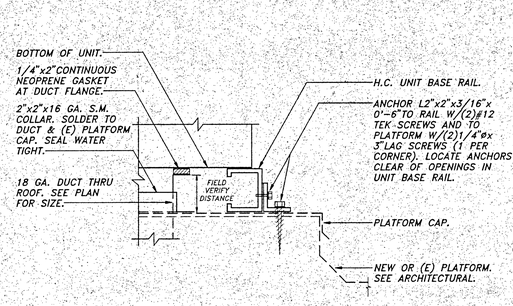
A / M-6



RETURN/EXHAUST AIR PLENUM DETAIL

SCALE: NONE

B / M-6



H.C. UNIT MOUNTING DETAIL

SCALE: NONE

C / M-6

KLASSEN CORPORATION
Architecture
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Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT — GILBERT L. RYE — OF CAL

C-8,610 C-10,401

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Contractor shall verify and be responsible for all dimensions and conditions on the job. Any discrepancies must be reported to the architect before proceeding with construction. Contractor shall verify and be responsible for all dimensions and conditions on the job. Any discrepancies must be reported to the architect before proceeding with construction. Written dimensions are given where necessary for clarity. Figured dimensions are given where necessary for clarity. Figured details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: AIR CONDITIONING DETAILS

Lawrence • Rye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1200 E. Shaw Avenue, Suite 201 Fresno, CA 93710
(559) 226-6151 FAX (559) 224-0329

REGISTERED PROFESSIONAL ENGINEER — GILBERT L. RYE — No. 020224 — Exp. 6-30-93 — MECHANICAL — STATE OF CALIFORNIA

Date	Issued For

Date	Revisions

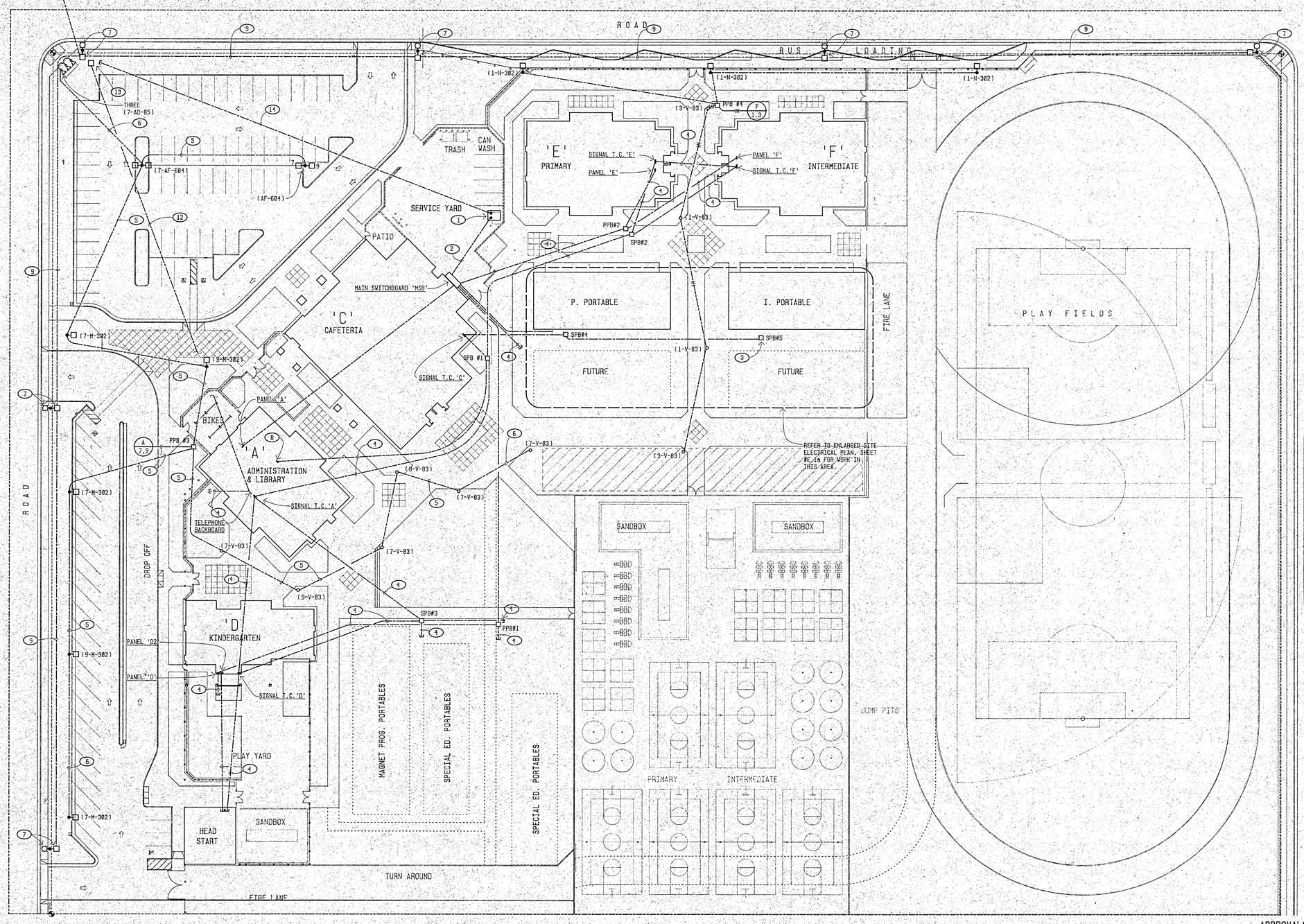
IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
RECEIVED MAR 11 1993
Structural Safety Section
#25416
Reviewed for code compliance

MAR - 8 1993

Drawn by: DLB
Checked by: LHB
Job no: 1223
Sheet: M.6
Sheet of: 6
Date:

NOTES (THIS SHEET ONLY):

1. PROVIDE PAD, GROUNDING AND BARRIER POSTS FOR P.G. & E. PAD MOUNTED TRANSFORMER PER P.G. & E. REQUIREMENTS.
2. FIVE 5"C (SECONDARY).
3. REFER TO DETAILS #14/E.15 AND #15/E.15 FOR PULL BOX REQUIREMENTS, TYPICAL.
4. REFER TO ONE LINE DIAGRAM AND SIGNALS LINE DIAGRAM, DETAILS #1/E.16 AND #2/E.16 RESPECTIVELY FOR ALL SITE FEEDERS AND STUB OUT REQUIREMENTS.
5. 3/4"C - 3 #10 + 1 #12 GND (THWN-CU).
6. 3/4"C - 2 #10 + 1 #12 GND (THWN-CU).
7. PROVIDE A NEW STREET LIGHT ASSEMBLY (5800 LUMEN) AND PULL BOX PER THE CITY OF BAKERSFIELD STANDARDS. VERIFY THE EXACT LOCATIONS WITH THE CITY OF BAKERSFIELD PRIOR TO ROUGH-IN. RUN 1 1/2"C - 2 #6 + 1 #10 GND (THWN-CU) FROM PULL BOX INTO STREET LIGHT.
8. INTERCOM/P.A. PULL CAN. REFER TO SHEET #E.6 FOR EXACT LOCATION.
9. 1 1/2"C - 2 #6 + 1 #10 GND (THWN-CU).
10. PROVIDE A 13 1/4"W x 24"L x 24"DP SPLICE BOX WITH TWO IN LINE WATERPROOF FUSE HOLDERS AND 20A FUSES (FOR STREET LIGHT CIRCUIT). RUN 2"C FROM SPLICE BOX TO NEW RISER POLE. P.G. & E. SHALL PROVIDE POLE RISER AND SECONDARY CONDUCTORS FROM A POLE MOUNTED TRANSFORMER TO SPLICE BOX AND MAKE CONNECTIONS. IN-LINE WATERPROOF FUSEHOLDER SHALL BE A BUSSMAN #HEH-BW-RLC-B OR EQUAL.
11. NEW P.G. & E. RISER POLE. VERIFY EXACT QUADRANT WITH P.G. & E.
12. TWO 2"C (TELEPHONE) AND ONE 2"C (CABLE T.V.). PROVIDE 1/4" NYLON PULL ROPE IN EACH. STUB 2"C (CABLE T.V.) ADJACENT TO TELEPHONE CO. CLOSURE.
13. NEW TELEPHONE CO. CLOSURE. VERIFY EXACT LOCATION WITH PACIFIC BELL.
14. TWO 4"C (PRIMARY). COORDINATE EXACT POINT OF SERVICE CONNECTION WITH P.G. & E.



SITE ELECTRICAL PLAN

1"=30'-0"

north

TITLE 24

THE CALIFORNIA ENERGY CONSERVATION STANDARDS FOR NONRESIDENTIAL BUILDINGS HAS BEEN REVIEWED AND THE BUILDING DESIGN DESCRIBED ON THESE PAGES IS IN SUBSTANTIAL CONFORMANCE.

CODE, RULES & REGULATIONS

ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST REGULATIONS OF THE STATE FIRE MARSHAL, CALIFORNIA CODE OF REGULATIONS, SERVING UTILITY COMPANIES AND OTHER APPLICABLE STATE ORDINANCES. NOTHING IN THESE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED AS TO PERMIT WORK NOT CONFORMING TO THESE CODES. WHERE WORK OF A HIGHER DEGREE IS INDICATED IN THE PLANS OR SPECIFICATIONS THIS REQUIREMENT SHALL GOVERN.

UTILITY COMPANY REQUIREMENTS

VERIFY AND COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS BEFORE BIDDING JOB AND BEFORE CONSTRUCTION:

POWER CO.			
PG&E	TOM AGUILAR	PH.	(805) 398-5965
PHONE CO.			
PACIFIC BELL	BOB BLACKBURN	PH.	(805) 631-3440
CATV CO.			
WARNER CABLE	MARK BAIZE	PH.	(805) 327-9935

APPROVALS

MAR 0 1993

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
APPLICATION FILED BY: [illegible]
[illegible] MAR 11 93
Acceptance of this plan does not relieve the responsible person of compliance with applicable regulations.
Reviewed By

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
FORM-1
MAR 11 1993
Structural Safety Section
Appl. # A5916.2
Date Checked By

KLASSEN CORPORATION
Architecture
Planning
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2021 Westwind Drive
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(805) 327-0875
(805) 327-5933 Fax

REGISTERED ARCHITECT
L. PHIL KLASSEN
#C10401
Exp. 1-31-95
STATE OF CALIFORNIA

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Figured dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: SITE ELECTRICAL PLAN

REGISTERED PROFESSIONAL ENGINEER
Donald Carpenter
No. 7198
Exp. 9/30/93
Electrical
STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.

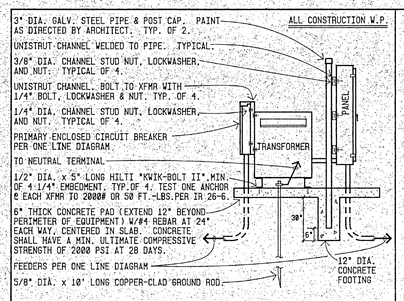
Job no: 1223

Dgn. file:

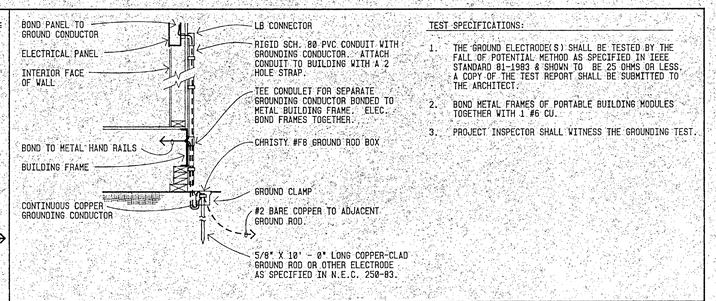
Sheet: E.1

Sheet of: 17

Date:

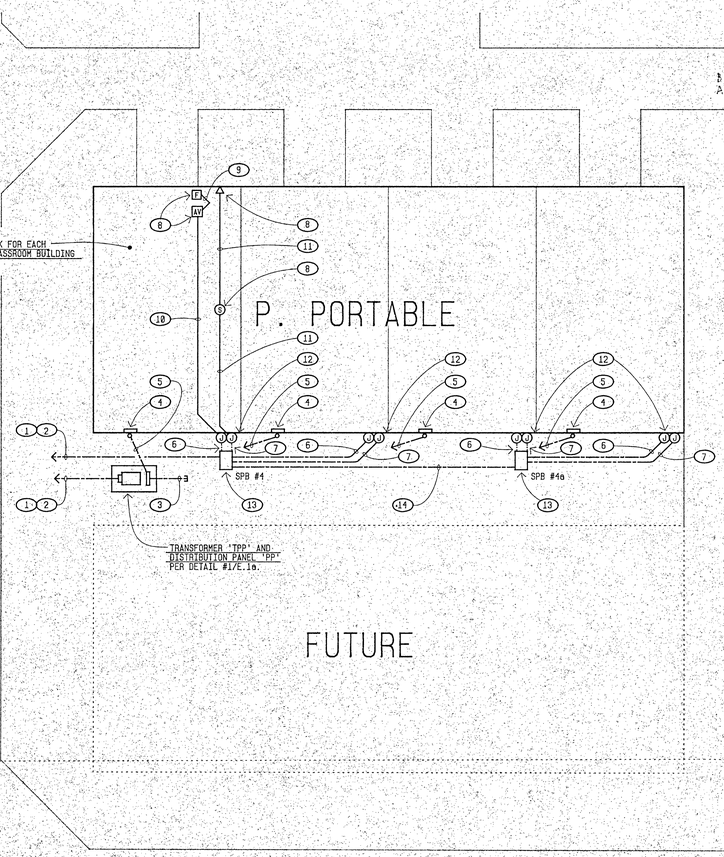


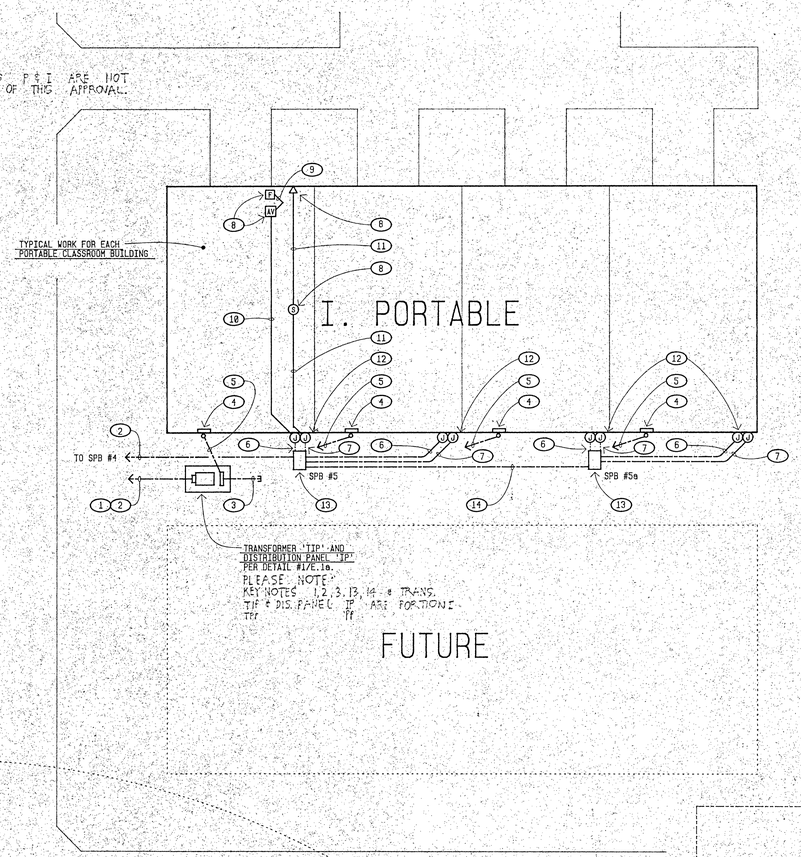
1 / E1a TRANSFORMER 'TPP' & PANEL 'PP' MOUNTING DETAIL NTS



2 / E1a PORTABLE BUILDING SYSTEM GROUND DETAIL NTS

BUILDINGS P & I ARE NOT A PART OF THIS APPROVAL.





NOTES (THIS SHEET ONLY):

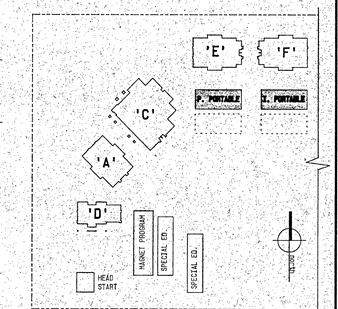
1. REFER TO SITE ELECTRICAL PLAN, SHEET #1/E.1 FOR CONTINUATION.
2. REFER TO ONE LINE DIAGRAM AND SIGNALS LINE DIAGRAM, DETAILS #1/E.16 AND #2/E.16, RESPECTIVELY FOR FEEDER REQUIREMENTS.
3. FOUR 1 1/4"C STUBS FOR FUTURE PORTABLE CLASSROOM BUILDINGS. CAP AND TAG.
4. CONNECT SUB-PANEL SUPPLIED WITH PORTABLE CLASSROOM BUILDING. VERIFY EXACT LOCATION AT SITE. PROVIDE LB CONDUIT BODY AS REQUIRED. BOND AND GROUND SUB-PANEL PER DETAIL #2/E.1a.
5. RUN 1 1/4"C - 3 #2 + 1 #8 GND (THWN-CU) TO RESPECTIVE DISTRIBUTION PANEL.
6. 3/4"C - 8 #12, 4 #14 (F.A.)
7. 1/2"C - ONE I.C. CABLE (INTERCOM); 3/4"C (T.V.); 3/4" (COMPUTER) 3/4"C (BURGLAR ALARM); 3/4"C (SPARE).
8. TYPICAL OF ALL DEVICES SHOWN INSIDE PORTABLE CLASSROOM BUILDING; COORDINATE EXACT LOCATION OF ROUGH-IN BOXES SUPPLIED WITH PORTABLE CLASSROOM BUILDING AT SITE. INSTALL NEW DEVICES.
9. EXISTING 3/4"C. PULL-IN NEW 4 #14 AND CONNECT TO NEW FIRE ALARM DEVICE.
10. EXISTING 3/4"C. PULL-IN NEW 8 #12, 4 #14 AND CONNECT TO NEW RESPECTIVE FIRE ALARM DEVICES.
11. EXISTING 3/4"C. PULL-IN NEW I.C. CABLE AND CONNECT TO NEW INTERCOM DEVICES.
12. COORDINATE EXACT LOCATIONS OF SCREW COVER CANS SUPPLIED WITH PORTABLE CLASSROOM BUILDING AT SITE.
13. REFER TO DETAIL #15/E.15 FOR PULL BOX SIZES. OMIT 2" THICK SLURRY FLOOR.
14. 3/4"C 4 #12, 4 #14 (FIRE ALARM); 3/4"C - TWO I.C. CABLES (INTERCOM); 3/4"C (FUTURE I.C. CABLES); FOUR 1"C (FUTURE COMPUTER/ T.V./BURGLAR ALARM/SPARE).

NOTE:

PRIMARY AND INTERMEDIATE PORTABLES ARE NOT A PART OF THIS APPROVAL. THEY ARE PHASE 2 OF THIS APPLICATION. WORK UNDER THE BASE CONTRACT (PHASE 1) IS LIMITED TO THE WORK DESCRIBED IN KEYNOTES #1, 2, 3, 13 & 14 AND TRANSFORMERS "TPP" & "TIP". DISTRIBUTION PANELS "PP" & "IP" AND SPB #4, 4a, 5 & 5a.

PARTIAL SITE ELECTRICAL PLAN

1" = 10'-0"



KEY PLAN

APPROVALS

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
MAR 08 1993
MAR 11 93
Reviewed by

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Approved by

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

REGISTERED ARCHITECT ROBERT A. KLASSEN #C8610 Exp. 1-31-93 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

Sheet title: PARTIAL SITE ELECTRICAL PLAN - PRIMARY/INTERMEDIATE PORTABLES

BAKERSFIELD, CA.

REGISTERED PROFESSIONAL ENGINEER Daniel Carmichael No. 7198 Exp. 6/30/93 Electrical STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.

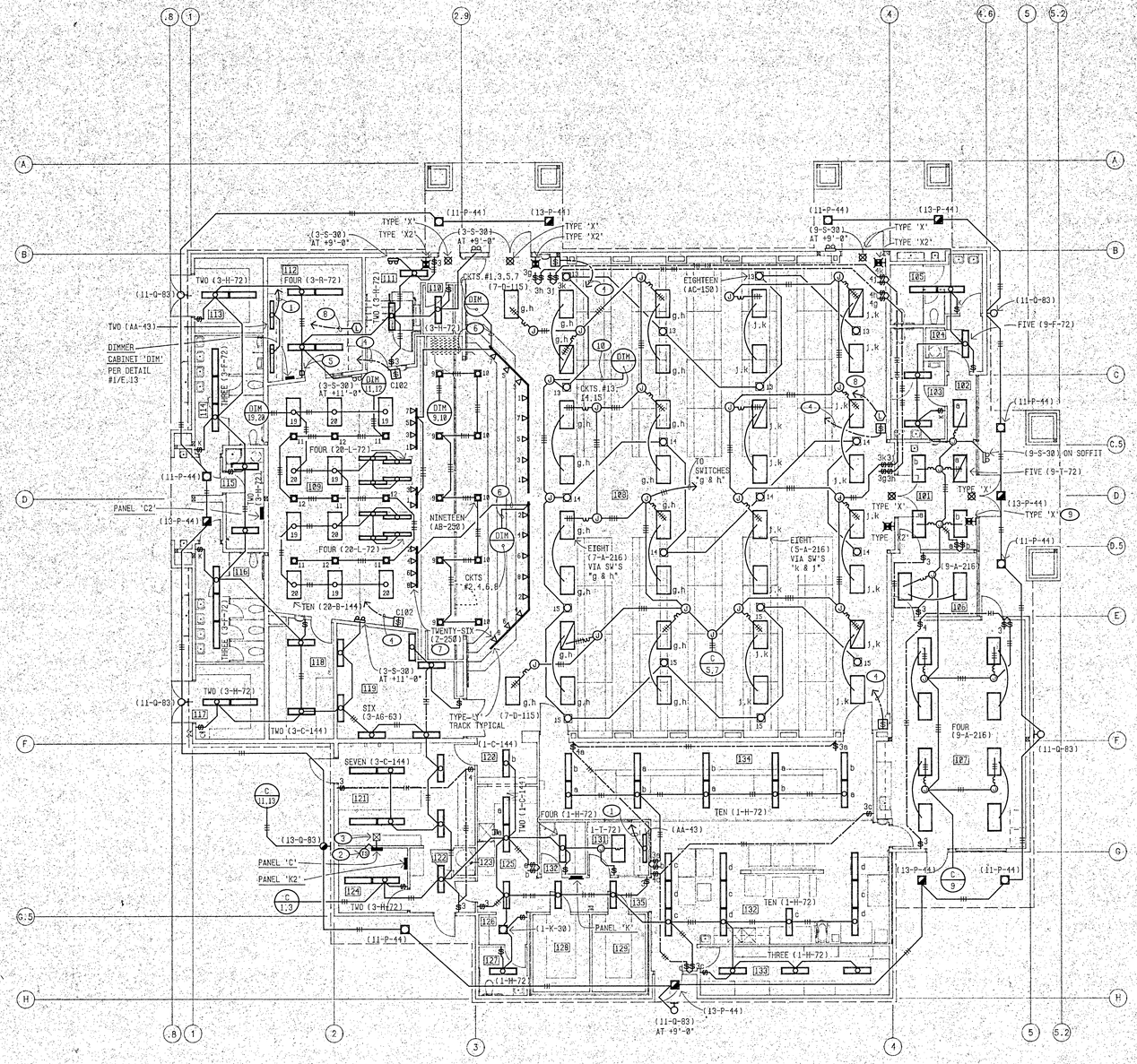
Job no: 1223

Dgn. file:

Sheet: E.1a

Sheet of: 17

Date:



CAFETERIA LIGHTING PLAN 'C'

1/8" = 1'-0"

NOTES (THIS SHEET ONLY):

1. CONNECT TO 120V PLUG CIRCUIT BELOW.
2. PROVIDE TIMESWITCH AND WIRING (PER SPEC.) TO CONTROL LIGHTS ON CIRCUIT #C/11 (#CK2/28).
3. PROVIDE PHOTO CONTROL ON ROOF (PER SPEC.) TO CONTROL LIGHTS ON CIRCUIT #C/13. RUN 1/2"C - 3 #12 TO PHOTO CONTROL.
4. RUN 1"C + CONTROL WIRING TO DIMMER CABINET 'DIM'. REFER TO DETAIL #1/E13.
5. FLUORESCENT DIMMER SWITCH FOR 10 LAMPS. LUTRON "NOVA" SERIES #NF-10 OR EQUAL.
6. 1"C - 6 #10 + 1 #12 GND (THWN-CU).
7. LOCATE TYPE 'Z' FIXTURES ON TRACK AND AIM AS DIRECTED BY OWNER.
8. RUN 1 1/4"C + CONTROL WIRING TO DIMMER CABINET 'DIM'. REFER TO DETAIL #1/E.13.
9. CONTRACTOR SHALL PROVIDE MOUNTING BRACKETS AS REQUIRED TO ATTACH LOW LEVEL EXIT SIGN (SIDES AND BOTTOM) TO 'STOREFRONT' GLAZING SYSTEM. SUBMIT SHOP DRAWING TO ARCHITECT FOR APPROVAL PRIOR TO FABRICATION. FINISH OF BRACKETS, SHALL MATCH ADJACENT MULLION FINISH. REFER TO FIXTURE SCHEDULE NOTE #3 FOR MOUNTING HEIGHT REQUIREMENTS.
10. 3/4"C - 6 #10 + 1 #12 GND (THWN-CU).

ELECTRICAL SYMBOLS

ALL DIMENSIONS TO CENTER OF BOX, U.O.N.

3-	CIRCUIT NUMBER (3-A-150)
-A-	FIXTURE TYPE (3-A-150)
-150	FIXTURE WATTAGE (3-A-150)
	HOME RUN 3/4"C - MIN. (PANEL 'A', CIRCUIT #3)
	CONDUIT RUN IN WALL OR ATTIC (1/2"C-2#12 AWG TW + 1#12 GND)
	CONDUIT RUN IN FLOOR OR UG (1/2"C-2#12 AWG TW + 1#12 GND)
	HASH LINES DENOTE NUMBER OF #12 + 1 #12 GROUND IN CONDUIT. U.O.N., 1/2"C FOR UP TO 3 #12 +1 #12 GND, 3/4"C FOR UP TO 5 #12 + 1 #12 GND
	EXIT LIGHT, WALL MOUNTED
	TERMINAL CABINET (SIZE AS SHOWN)
	ELECTRICAL PANELBOARD
(1)	TELEPHONE OUTLET IN WALL (+18" U.O.N.)
	TELEPHONE OUTLET IN FLUSH FLOOR BOX.
	DUPLEX RECEPTACLE IN WALL (+18" U.O.N.)
	DUPLEX RECEPTACLE IN FLUSH FLOOR BOX
	SPECIAL OUTLET AS NOTED ON PLANS. (+18" U.O.N.)
	JUNCTION BOX WITH FLEX CONNECTION
	CEILING MOUNTED FIXTURE
	WALL MOUNTED FIXTURE (MOUNT AS SHOWN)
	RECESSED MOUNTED FIXTURE IN CEILING
	FLUORESCENT FIXTURE
	EXIT LIGHT, CEILING MOUNTED
	POLE MOUNTED LIGHT FIXTURE
	MOTOR
W.P.	WEATHERPROOF
	SWITCH (+4'-0" U.O.N.)
3	SWITCH, THREE WAY (" ")
PB	PUSHBUTTON, +48" U.O.N.
K	KEY OPERATED SWITCH, +48" U.O.N.
	DIMMER SWITCH, +48" U.O.N.
	COMBINATION FUSIBLE DISCONNECT/MAGNETIC STARTER.
T	THERMOSTAT (+4'-0")
TS	TIME SWITCH, FLUSH MOUNTED (U.O.N.)
	PHOTO CONTROL ON ROOF
U.O.N	UNLESS OTHERWISE NOTED
	QUADRUPLEX RECEPTACLE (+18" U.O.N)
	ISO-GND DUPLEX RECEPTACLE, +18" U.O.N
	ISO-GND QUADRUPLEX RECEPTACLE, +18" U.O.N.
D	DEDICATED DUPLEX RECEPTACLE (GREY), +18" U.O.N.
	G.F.C.I. DUPLEX RECEPTACLE, +18" U.O.N.
	MOTION SENSOR ON CEILING (OCCUPANCY SENSOR SYSTEM)
(3)	SWITCHPACK IN ATTIC (OCCUPANCY SENSOR SYSTEM)
TV	TELEVISION OUTLET IN WALL, 18" BELOW CEILING
(1) C	COMPUTER OUTLET IN WALL, +18" U.O.N.
	INTERCOM HANDSET ON WALL, +48" U.O.N.
	INTERCOM /PUBLIC ADDRESS SPEAKER. LOCATE AS SHOWN ON PLANS.
(2) F	FIRE ALARM MANUAL PULL STATION, +48".
(4) V	FIRE ALARM VISUAL ALARM UNIT
AV	FIRE ALARM MINI-HORN AND VISUAL/STROBE UNIT
H	FIRE ALARM HORN, +18'-0", U.O.N.
	BATTERY OPERATED CLOCK, 12" BELOW CEILING.
S	SMOKE DETECTOR MOUNTED ON CEILING.
	DUPLEX RECEPTACLE W/LOCKABLE COVER, +18" U.O.N.
	SINGLE RECEPTACLE W/LOCKABLE COVER, +18" U.O.N.
	TWO 3-LAMP FIXTURES, TANDEM WIRED W/ FACTORY INTERTIE.
	FUSED DISCONNECT SWITCH BY ELECTRIC CONTRACTOR (U.O.N.)
E	ELECTRICAL NOTE #1. REFER TO NOTES ON SAME SHEET.
	LOW LEVEL EXIT SIGN
	EMERGENCY LIGHT FIXTURE
	FLUORESCENT FIXTURE EQUIPPED WITH EMERGENCY BATTERY PACK
	SIGN ABOVE DOOR "FIRE ALARM INSIDE"
	RECESSED MOUNTED NIGHT LIGHT FIXTURE
	G.F.C.I. QUADRUPLEX RECEPTACLE, +18" U.O.N.
SM	STAGE MONITOR JACK AT +18" U.O.N. (ROUGH-IN BOX ONLY)
M	MICROPHONE JACK AT +18" U.O.N. (ROUGH-IN BOX ONLY)
SI	STAGE INTERCOM JACK AT +48" U.O.N. (ROUGH-IN BOX ONLY)
FB	FLUSH FLOOR BOX (FOR MIKE AND PROJECTOR JACKS BY SOUND CONTRACTOR)
FA	FIRE ALARM MINI-HORN, +7'-0" U.O.N.

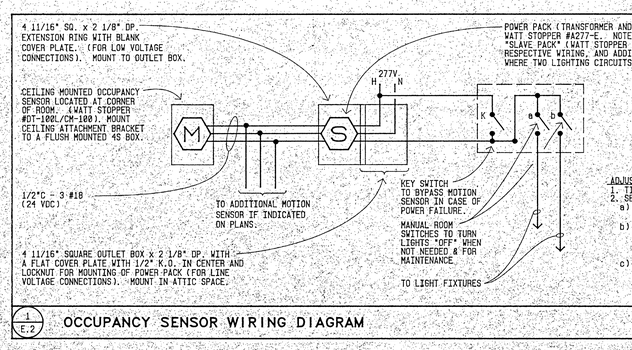
ELECTRICAL SYMBOLS NOTES:

(1) RUN 3/4"C STUB INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING, U.O.N..

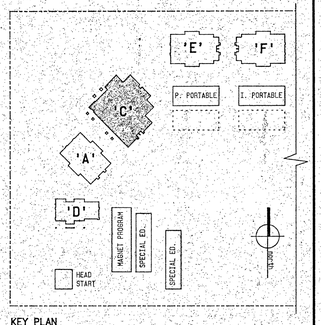
(2) MOUNT AT 80 INCHES ABOVE THE HIGHEST FLOOR LEVEL WITHIN THE SPACE OR 6 INCHES BELOW CEILING, WHICHEVER IS LOWER.

(3) MOTION SENSOR HAS AN ISOLATED RELAY CONTACT (WITH NORMALLY OPEN AND NORMALLY CLOSED CONTACTS) WHICH CAN BE USED FOR A FUTURE "INTRUSION ALARM" CONNECTION.

(4) AV INDICATES A SEPERATE VISUAL STROBE UNIT AND A SEPERATE MINI-HORN AUDIBLE UNIT. MOUNT THE VISUAL STROBE PER NOTE (2), WITH THE MINI-HORN 6" ABOVE. EACH DEVICE SHALL BE WIRED ON A SEPERATE SIGNALING CIRCUIT.



1 / E.2 OCCUPANCY SENSOR WIRING DIAGRAM NTS



KEY PLAN

APPROVALS

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPROVED PER W 300 DWG
MAR 11 93
MAR 8 1993
Reviewed by

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
And # 65911-9-1-54
Rechecked by

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
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REGISTERED ARCHITECT
L. PHIL KLASSEN
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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.
Sheet title: CAFETERIA LIGHTING PLAN, BUILDING 'C'

REGISTERED PROFESSIONAL ENGINEER
Dennis Carmody
No. 7198
Exp. 9/30/93
Electrical
STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.
Job no: 1223
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Sheet: E.2
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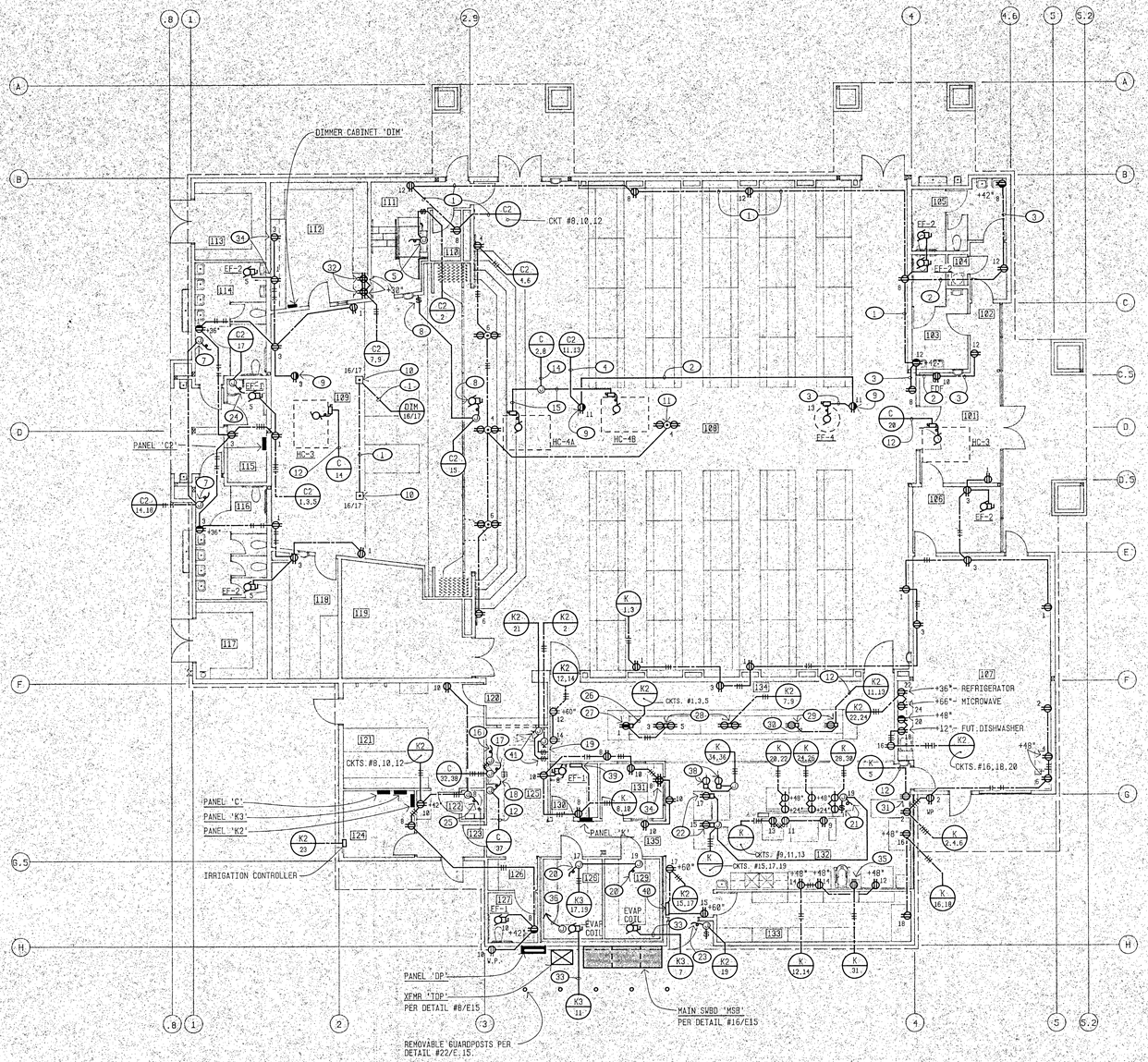
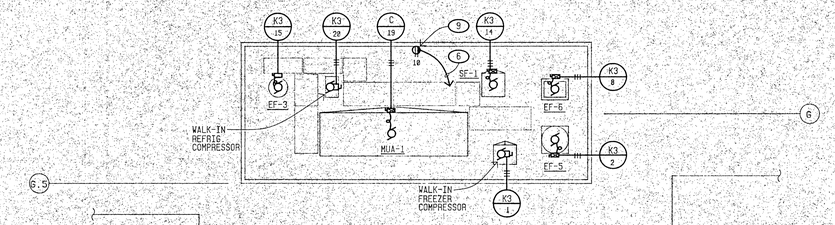


CAFETERIA POWER PLAN 'C'

1/8" = 1'-0"



PARTIAL CAFETERIA ROOF ELECTRICAL PLAN 'C'

1/8" = 1'-0"

NOTES (THIS SHEET ONLY):

1. 3/4"C - 4 #10 + 1 #12 GND (THWN - CU)
2. 1/2"C - 3 #10 + 1 #12 GND (THWN - CU)
3. 1/2"C - 2 #10 + 1 #12 GND (THWN - CU)
4. 3/4"C - 3 #10 + 1 #12 GND (THWN - CU)
5. CONNECT WHEELCHAIR LIFT POWER AND CONTROLS. VERIFY EXACT REQUIREMENTS WITH SUPPLIER.
6. CONNECT TO RESPECTIVE 120V PLUG CIRCUIT BELOW.
7. CONNECT HAND DRYER, 208v 1ph 2000w. VERIFY EXACT LOCATION WITH ARCHITECT.
8. CONNECT MOTORIZED PROJECTION SCREEN, CONTROLS AND CONTROL SWITCH. PROVIDE CONTROL WIRING AS DIRECTED BY SUPPLIER. VERIFY EXACT LOCATION WITH ARCHITECT.
9. WEATHERPROOF G.F.C.I. DUPLEX RECEPTACLE ON ROOF. MOUNT TO SIDEWALL OF MECHANICAL WELL AT +24" ABOVE ROOF.
10. STAGE LIGHT FLOOR POCKET EQUIPPED WITH ONE DUPLEX RECEPTACLE AND AND ONE TWIST-LOCK DUPLEX RECEPTACLE, E.O.I. #FP 2-GANG OR EQUAL. VERIFY EXACT LOCATION WITH ARCHITECT BEFORE ROUGH-IN.
11. TYPICAL OF ALL FLOOR OUTLETS: VERIFY EXACT LOCATION WITH ARCHITECT BEFORE ROUGH-IN.
12. 3/4"C - 3 #10 + 1 #10 GND (THWN-CU)
13. 3/4"C - 8 #12 + 1 #12 GND (THWN-CU)
14. 1"C - 6 #8 + 1 # 10 GND (THWN-CU)
15. 3/4"C - 3 #8 + 1 #10 GND (THWN-CU)
16. CONNECT DISHWASHER MOTORS, 460V 3ph 3HP
17. CONNECT DISHWASHER ELECTRIC TANK HEAT, 460v 3ph 10.0kw
18. CONNECT BOOSTER WATER HEATER, 460v 3ph 24.0kw
19. CONNECT GARBAGE DISPOSER POWER AND CONTROLLER, 208V 3ph 2HP.
20. CONNECT 120v LIGHTS, DOOR HEATERS, SWITCHES, ETC. SUPPLIED WITH WALK-IN BOX. VERIFY EXACT REQUIREMENTS WITH SUPPLIER.
21. CONNECT VAPORPROOF LIGHTS IN EXHAUST HOOD (SUPPLIED WITH HOOD) AND PROVIDE ENGRAVED NAMEPLATE AT SWITCH: "HOOD LIGHTS".
22. PROVIDE A POWER CORD REEL WITH 25 FEET OF #12/3 SO CORD, BALL STOP AND POWER OUTLET BOX (WITH TWO 20A DUPLEX RECEPTACLES, MOUNTED BACK TO BACK) ON END OF CORD. WOODHEAD #9383/9521/9080-10E123 OR APPROVED EQUAL. VERIFY EXACT LOCATION WITH ARCHITECT.
23. CONNECT AIR CURTAIN POWER AND CONTROLS (MOUNTED OVER DOOR), 120V 1/2 H.P. MICRO SWITCH TO BE BE SUPPLIED WITH AIR CURTAIN.
24. CONNECT ELECTRIC WATER HEATER, 120V 1500W. VERIFY EXACT LOCATION WITH PLUMBING DRAWINGS.
25. CONNECT WATER HEATER INTERMITTENT IGNITION DEVICE AND CIRCULATING PUMP.
26. 3/4"C - 4 #12 + 1 #12 EQUIPMENT GND. + 1 #12 ISO. GND. (THWN-CU)
27. PROVIDE A LOW PROFILE ABOVE FLOOR SERVICE FITTING, FLOOR BOX AND ISOLATED GROUND DUPLEX RECEPTACLE FOR CASH REGISTER SECTION OF THE SERVICE COUNTER. HUBBELL #SC-3051 PEDESTAL, #SA-2536 FLOOR BOX AND #SA-2525 COVER PLATE. VERIFY EXACT LOCATION WITH ARCHITECT BEFORE ROUGH-IN.
28. PROVIDE A LOW PROFILE ABOVE FLOOR SERVICE FITTING, FLOOR BOX AND TWO 20A DUPLEX RECEPTACLES FOR MILK COOLER (ON COLD FOOD) SECTION OF THE SERVICE COUNTER. HUBBELL #SC-3050 PEDESTAL, TWO #SS-309-D RECEPTACLE PLATES, #SA-2536 FLOOR BOX, AND #SA-2525 COVERPLATE. VERIFY EXACT LOCATION WITH ARCHITECT BEFORE ROUGH-IN.
29. PROVIDE A FLUSH FLOOR SERVICE FITTING, FLOOR BOX AND A SINGLE 30A 120V TWISTLOCK RECEPTACLE AND MATCHING PLUG FOR HOT FOOD SECTION OF THE SERVICE COUNTER. HUBBELL #2610-A RECEPTACLE, #SA-2436 FLOOR BOX, AND #SA-2425 COVER PLATE. VERIFY EXACT LOCATION WITH ARCHITECT BEFORE ROUGH-IN
30. 3/4"C - 2 #10 + 1 #10 GND. (THWN-CU)
31. PROVIDE A 30A 120/208V 1ph TWISTLOCK SINGLE RECEPTACLE FOR HOT AND COLD BUFFET CART, NEMA L14-30R.
32. MOUNT BEHIND SOUND EQUIPMENT CABINET. COORDINATE EXACT LOCATION WITH ARCHITECT AND SOUND EQUIPMENT CONTRACTOR.
33. SEAL ALL CONDUIT PENETRATIONS INTO WALK-IN BOXES ON "WARM" SIDE OF BOX PER N.E.C. 300-7.
34. MOUNT IN KNEE SPACE BELOW.
35. PROVIDE A 15A 208V 3ph 4W GROUNDING TYPE SINGLE RECEPT. (NEMA #15-15R) MATCHING PLUG AND 6 FOOT POWER CORD FOR 60 QUART MIXER, 208V 3ϕ 2 HP.
36. RUN 3/4"C - 5 #12 TO FREEZER COMPRESSOR CONTROL PANEL FOR EVAP. COIL DEFROST CYCLE. COLOR CODING OF WIRES AS DIRECTED BY EQUIP. SUPPLIER.
37. TYPICAL OF ALL H.V.A.C. EQUIPMENT ALL CONTROL CONDUIT AND WIRING SHALL BE FURNISHED AND INSTALLED BY THE CONTROLS CONTRACTOR.
38. PROVIDE A POWER CORD REEL WITH 25 FEET OF #10/3 SO CORD, BALL STOP AND POWER OUTLET BOX (WITH A 125V 20A SINGLE RECEPTACLE) ON END OF CORD. WOODHEAD #9242/9521/3081 OR APPROVED EQUAL. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN
39. PROVIDE A 10-POLE ELECTRICALLY OPERATED AND HELD CONTACTOR WITH 20 AMP RATED NORMALLY OPEN CONTACTS, 120V COIL AND MOUNTED INSIDE A NEMA 1 FLUSH ENCLOSURE. RUN 1/2"C - 2 #12 + 1 #12 GND FROM 120V COIL TO AUXILIARY DRY CONTACTS (NORMALLY CLOSED) IN FIRE SUPPRESSION SYSTEM CONTROL PANEL. CONNECT SO THAT WHEN FIRE SUPPRESSION SYSTEM IS ACTIVATED, COIL WILL OPEN CONTACTS AND SHUT DOWN RESPECTIVE BRANCH CIRCUITS BELOW KITCHEN EXHAUST HOOD.
40. CONNECT MAKE-UP AIR CONTROL PANEL. VERIFY EXACT LOCATION & REQUIREMENTS WITH MECHANICAL.
41. CONNECT ROLL-UP COUNTER FIRE DOOR AND CONTROL SWITCH. VERIFY EXACT REQUIREMENTS AND LOCATION WITH DOOR SUPPLIER.

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REGISTERED ARCHITECT
L. PHIL KLASSEN
#C10401
Exp. 1-31-95
STATE OF CALIFORNIA

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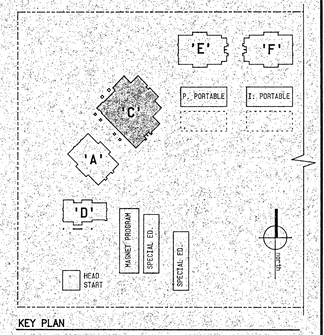
BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: CAFETERIA POWER PLAN, BUILDING 'C'



KEY PLAN

APPROVALS

REGISTERED PROFESSIONAL ENGINEER
Steve Carrillo
No. 7198
Exp. 6/30/93
Electrical
STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.

Job no: 1223

Dgn. file:

Sheet: E.3

Sheet of: 17

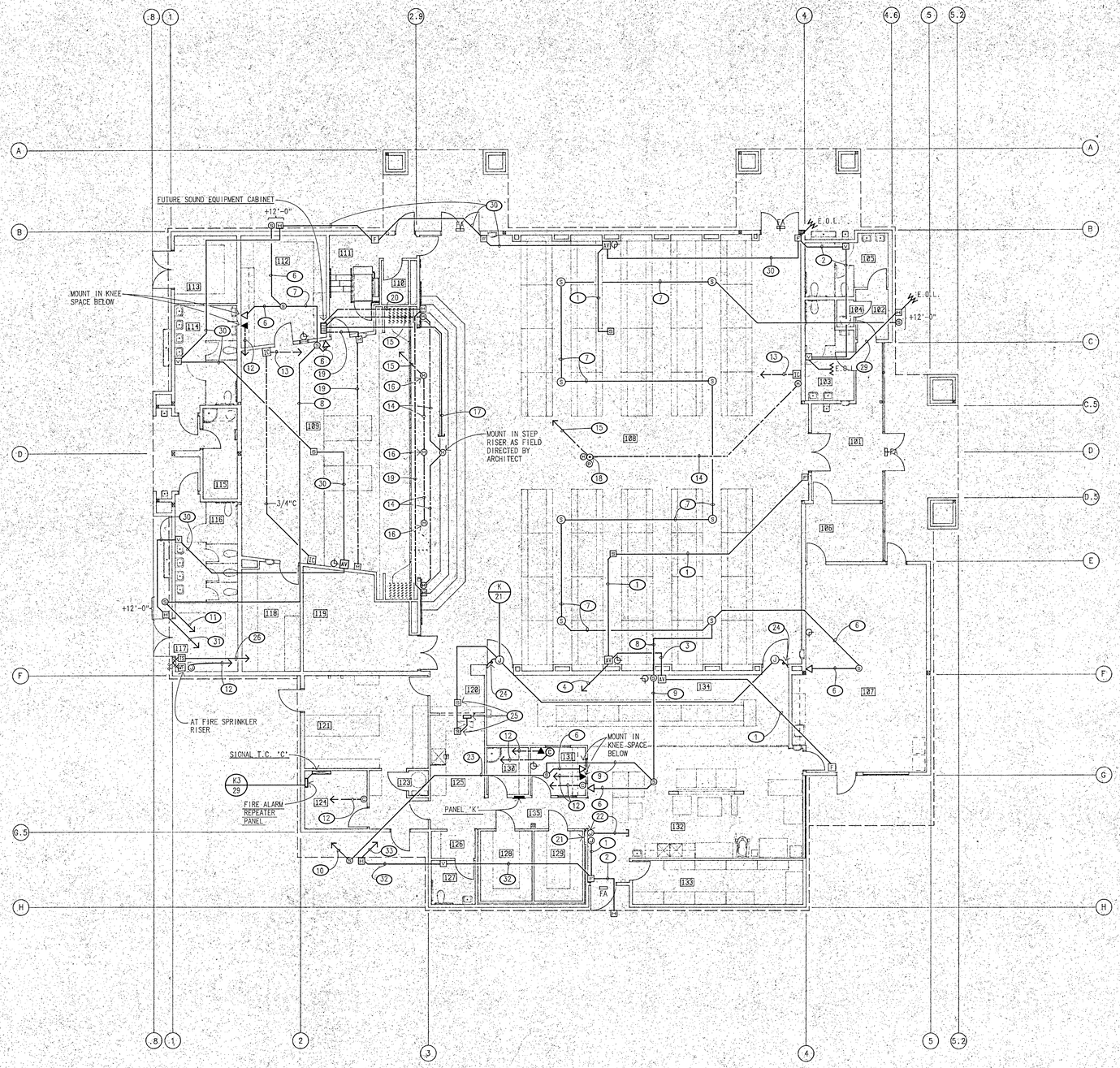
Date:

APPROVALS

MAR 8 1993

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
1130 K STREET, SUITE 101
SACRAMENTO, CA 95814
APPLICATION # 2424 MAR 1 '93
Approval of this plan does not relieve the owner or his agent of responsibility for compliance with all applicable regulations. Approval may be withdrawn if errors, omissions or misrepresentations are discovered subsequent to approval.
reviewed by

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Appl. # 85916
Inspected by



CAFETERIA SIGNALS PLAN 'C'

1/8" = 1'-0"

NOTES (THIS SHEET ONLY):

1. 1/2"C - 4 #14.
2. 1/2"C - 4 #12.
3. 3/4"C - 8 #12, 4 #14.
4. 3/4"C - 8 #12, 4 #14 TO FIRE ALARM SECTION OF SIGNAL T.C. "C".
5. 3/4"C - 4 #14 TO FIRE ALARM SECTION OF SIGNAL T.C. "C".
6. 1/2"C - ONE I.C. CABLE.
7. 1/2"C - TWO I.C. CABLES.
8. 3/4"C - THREE I.C. CABLES.
9. 3/4"C - FOUR I.C.CABLES.
10. 1"C - FIVE I.C. CABLES TO INTERCOM SECTION OF SIGNAL T.C. "C".
11. 3/4"C - THREE I.C. CABLES TO INTERCOM SECTION OF SIGNAL T.C. "C".
12. 3/4"C TO TELEPHONE/COMPUTER SECTION OF SIGNAL T.C. "C".
13. 1"C TO FUTURE SOUND EQUIPMENT CABINET (FOR "CLEAR-COM" CABLES BY SOUND CONTRACTOR). STUB UP TO +12" A.F.F.
14. 3/4"C (FOR MICROPHONE CABLES BY SOUND CONTRACTOR).
15. 1"C TO FUTURE SOUND EQUIPMENT CABINET (FOR MICROPHONE CABLES BY SOUND CONTRACTOR). STUB UP TO +12" A.F.F.
16. CEILING MOUNTED MICROPHONE JACK. VERIFY EXACT LOCATION WITH ARCHITECT BEFORE ROUGH-IN. STUB UP TO +12" A.F.F.
17. 1 1/2"C STUB INTO MAIN SPEAKER CLUSTER (FOR SPEAKER CABLES BY SOUND CONTRACTOR).
18. TYPICAL OF ALL FLOOR OUTLETS: VERIFY EXACT LOCATION WITH ARCHITECT BEFORE ROUGH-IN.
19. 3/4"C (FOR SPEAKER CABLES BY SOUND CONTRACTOR).
20. 1"C TO FUTURE SOUND EQUIPMENT CABINET (FOR SPEAKER CABLES BY SOUND CONTRACTOR). STUB UP TO +12" A.F.F.
21. MOUNT BEHIND FIRE SUPRESSION SYSTEM CONTROL PANEL. (FOR INITIATION OF SCHOOLS FIRE ALARM SYSTEM VIA AUXILIARY CONTACTS IN FIRE SUPRESSION SYSTEM CONTROL PANEL).
22. PROVIDE TWO 4" OCTAGONAL OUTLET BOXES AND FLUSH IN WALL AT +5'-0" A.F.F. (FOR FIRE SUPPRESSION SYSTEM). RUN 1/2"C FROM EACH BOX TO 4" ABOVE FINISHED CEILING. ORIENT AND LOCATE BOXES AS DIRECTED BY FIRE SUPPRESSION SUPPLIER.
23. 1"C - FIVE I.C. CABLES.
24. CONNECT SMOKE DOOR ELECTROMECHANICAL DOOR HOLDER, WITH INTEGRAL SMOKE DETECTOR. COORDINATE EXACT LOCATION WITH ARCHITECT AND REQUIREMENTS OF DOOR HOLDER WITH SUPPLIER. RUN CONDUIT INTO TOP OF DOOR FRAME.
25. PROVIDE 120V SMOKE DETECTOR, SINGLE ACTION, PHOTOELECTRIC TYPE WITH AUXILIARY CONTACTS TO CONTROL SMOKE ACTIVATED OVERHEAD COILING DOOR. DETECTOR SHALL BE A SIMPLEX #2098-9201 (C.S.F.M. #7257-026:132) WITH #2098-9536 BASE AND A #2098-9734 120V POWER PACK (C.S.F.M. #7302-026:149 OR EQUAL. SMOKE DETECTOR SHALL BE WIRED TO ACTIVATE CLOSING MECHANISM OF COILING DOOR, UPON SENSING SMOKE. RUN 1/2"C - 2 #12 FROM RESPECTIVE SMOKE DETECTOR TO CLOSING MECHANISM. VERIFY EXACT LOCATION AND REQUIREMENTS WITH OVERHEAD COILING DOOR SUPPLIER.
26. 3/4"C - 8 # 14 TO FIRE ALARM SECTION OF SIGNAL T.C. "C"
27. TWO 1"C STUBS INTO ACCESSIBLE ATTIC FROM BURGLAR ALARM/TELEVISION SECTION OF SIGNAL T.C. "C".
28. TYPICAL AT TC, TV & SO, ELECTRICAL CONTRACTOR SHALL PROVIDE ROUGH-IN BACKBOXES FOR "STAGE INTERCOM, MONITOR SPEAKER AND MICROPHONE JACKS," 4" SQUARE OR AS DIRECTED BY SOUND EQUIPMENT CONTRACTOR.
29. 1/2" C - 2 #12.
30. 1/2"C - 1 #12,2 #14.
31. 3/4"C - 1 #12, 2#14 TO FIRE ALARM SECTION OF SIGNAL T.C. "C".
32. 3/4"C - 1 #12, 8 #14.
33. 3/4"C - 1 #12, 8 #14 TO FIRE ALARM SECTION OF SIGNAL T.C. "C".

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REGISTERED ARCHITECT
L. PHIL KLASSEN
#C10401
Exp. 1-31-95
STATE OF CALIFORNIA

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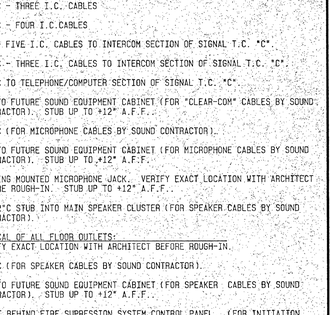
BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL — BAKERSFIELD, CA.

Sheet title: CAFETERIA SIGNALS PLAN, BUILDING 'C'



KEY PLAN

REGISTERED PROFESSIONAL ENGINEER
Darrin Clifford
No. 21198
Exp. 9/30/93
Electrical
STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.

Job no: 1223

Dgn. file:

Sheet: E.4

Sheet of: 17

Date:

APPROVALS

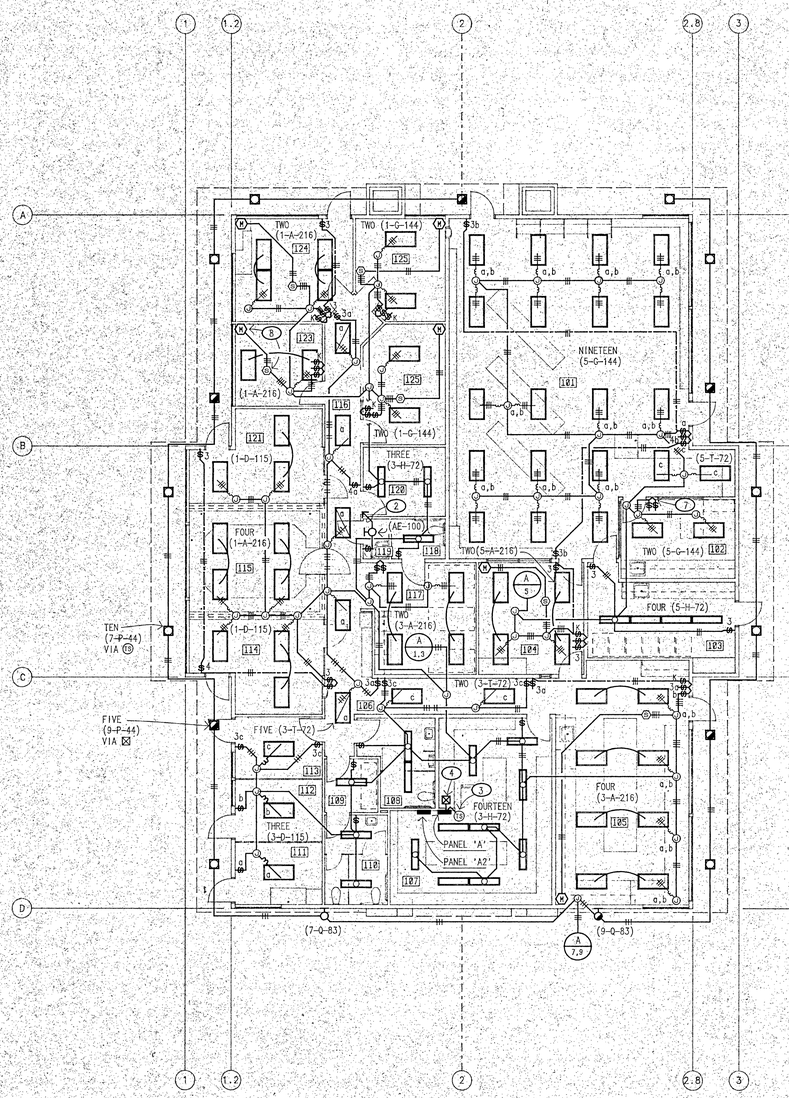
DSA
MR 8 '93

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
EXPIRATION DATE OF APPROVAL
E91 2 MAR 11 '93
Approval of the plan does not authorize any violation of provisions in any other laws or ordinances.
Reviewed by

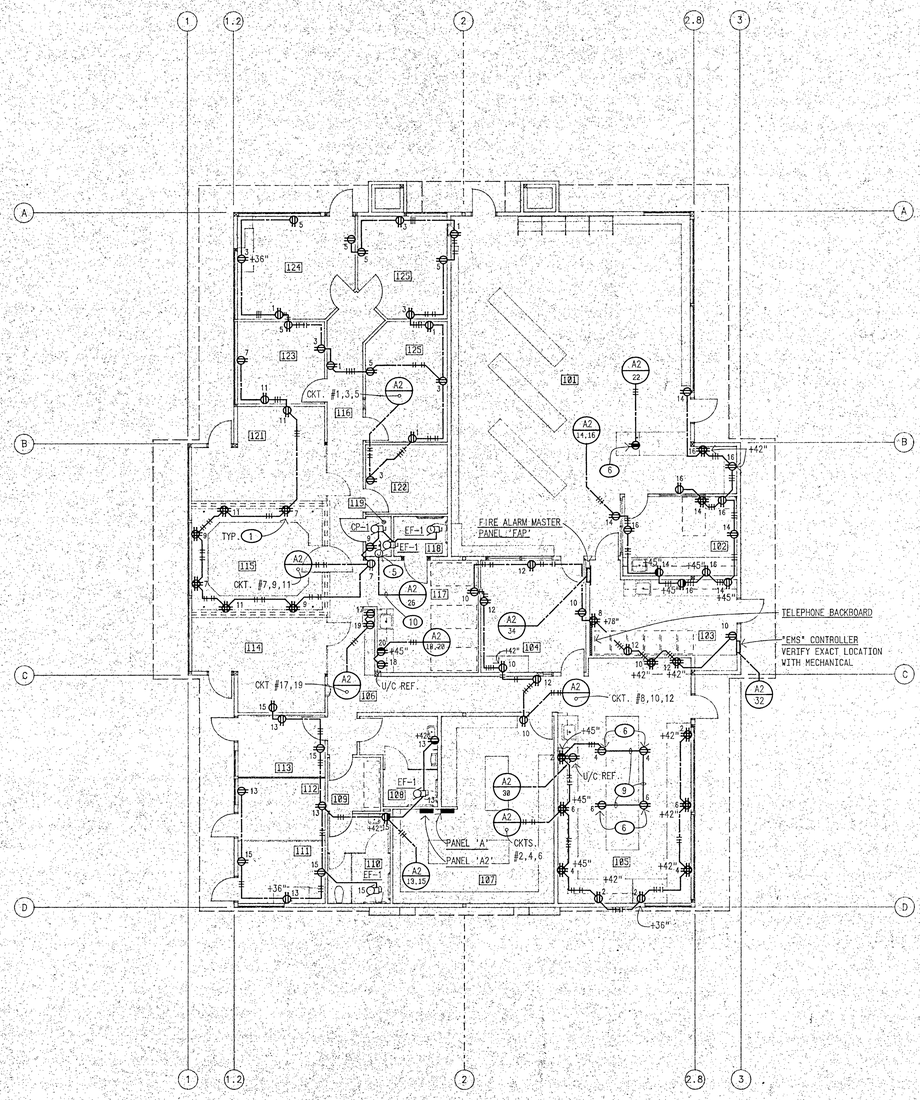
CERTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Appl. # 75716
Checked by

NOTES (THIS SHEET ONLY):

1. MOUNT IN KNEE SPACE BELOW.
2. CONNECT TO 120v PLUG CIRCUIT BELOW.
3. PROVIDE TIMESWITCH AND WIRING (PER SPECS.) TO CONTROL LIGHTS ON CIRCUIT #A/7.
4. PROVIDE PHOTO CONTROL ON ROOF TO CONTROL LIGHTS ON CIRCUIT #A/9 RUN 1/2"C - 3 #12 TO PHOTO CONTROL.
5. CONNECT ELECTRIC WATER HEATER, 208v 1ph 4500w
6. MOUNT OUTLET IN CABINETRY AT +30" AS DIRECTED BY ARCHITECT.
7. TYPICAL WHERE TWO SWITCHES ARE SHOWN CONTROLLING 3 AND 4 LAMP FIXTURES:
   ONE SWITCH CONTROLS TWO OUTER LAMPS IN EACH FIXTURE.
   THE OTHER SWITCH CONTROLS REMAINING CENTER LAMP(S) IN EACH FIXTURE.
8. REFER TO OCCUPANCY SENSOR WIRING DIAGRAM, DETAIL #1/E2 FOR WIRING OF OCCUPANCY SENSOR SYSTEM.
9. RUN CONDUIT IN CABINETRY AS DIRECTED BY ARCHITECT.
10. 3/4"C - 2 #10 + 1 #10 GND (THWN-CU)



ADMINISTRATION / LIBRARY LIGHTING PLAN 'A'
1/8" = 1'-0"



ADMINISTRATION / LIBRARY POWER PLAN 'A'
1/8" = 1'-0"

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REGISTERED ARCHITECT
L. PHIL KLASSEN
#C10401
Exp. 1-31-95
STATE OF CALIFORNIA

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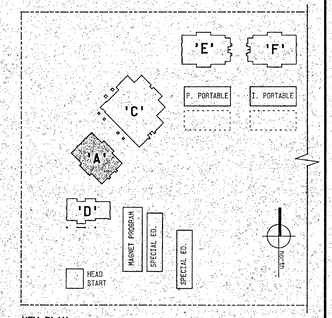
BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: ADMIN./LIBRARY LIGHTING AND POWER PLANS, BUILDING 'A'

REGISTERED PROFESSIONAL ENGINEER
Gerald Cornelius
No. 7198
Exp. 9/30/93
Electrical
STATE OF CALIFORNIA



KEY PLAN

APPROVALS

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPROVED PER W. INC. PLAN
MAR 11 1993
Reviewed by

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Appl. # E5916
Reviewed By

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.

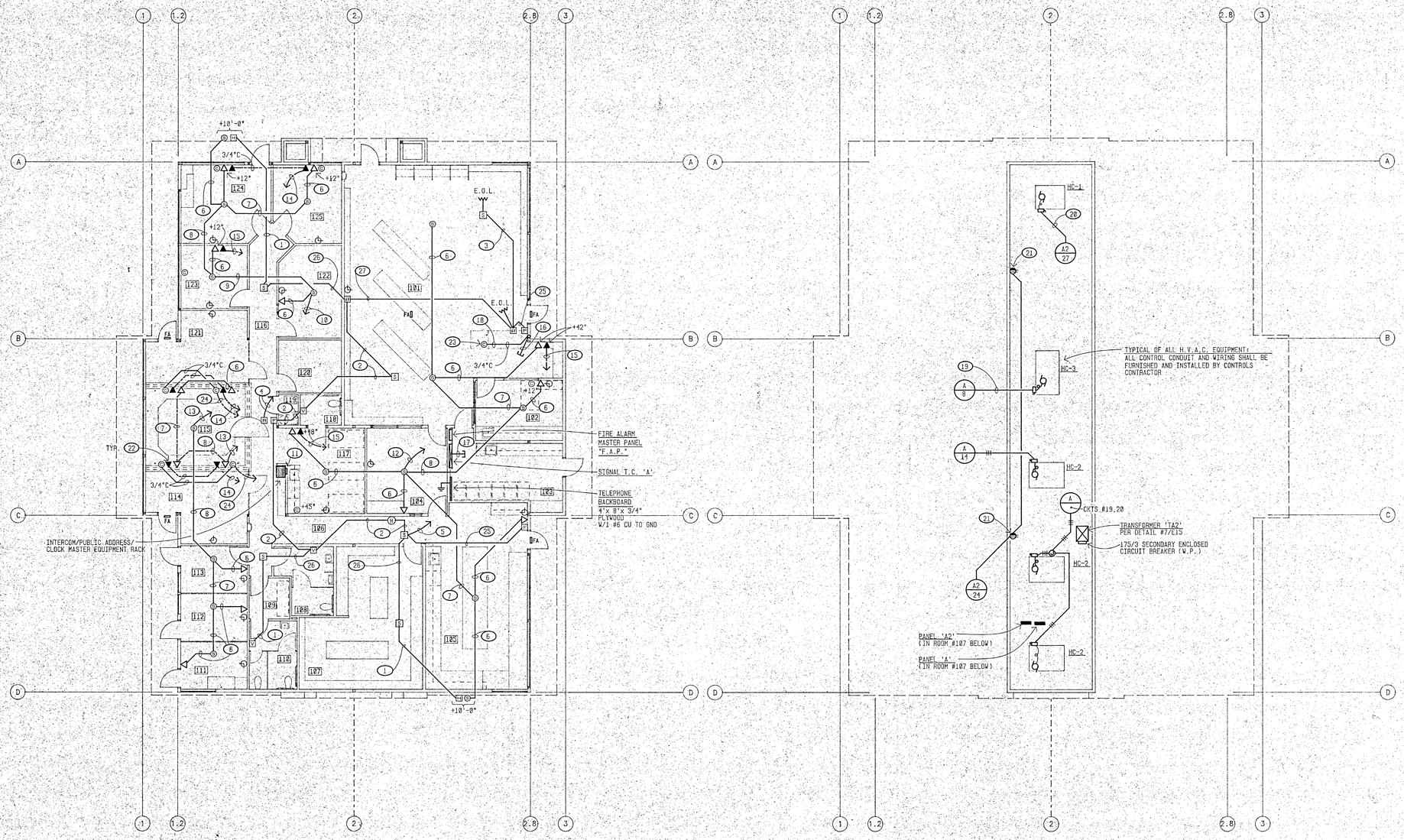
Job no: 1223

Dgn. file:

Sheet: E.5

Sheet of: 17

Date:



ADMINISTRATION/LIBRARY SIGNALS PLAN 'A'

1/8" = 1'-0"

ADMINISTRATION/LIBRARY ROOF ELECTRICAL PLAN 'A'

1/8" = 1'-0"

NOTES (THIS SHEET ONLY):

1. 1/2"C - 4 #12
2. 3/4"C - 6 #12, 2 #14
3. 1/2"C - 2 #14
4. 3/4"C - 8 #14 TO FIRE ALARM MASTER PANEL 'F.A.P.'
5. 3/4"C - 6 #12, 2 #14 TO FIRE ALARM MASTER PANEL 'F.A.P.'
6. 1/2"C - ONE I.C.CABLE
7. 1/2"C - TWO I.C.CABLES
8. 3/4"C - THREE I.C.CABLES
9. 3/4"C - FOUR I.C.CABLES
10. 1"C - FIVE I.C.CABLES TO INTERCOM SECTION OF SIGNAL T.C. 'A'
11. PROVIDE PULL BOX BEHIND EQUIPMENT RACK PER SIGNALS LINE DIAGRAM, DETAIL #2/E16.
12. 1"C - SIX I.C.CABLES TO INTERCOM SECTION OF SIGNAL T.C. 'A'
13. 3/4"C - FOUR I.C.CABLES TO INTERCOM SECTION OF SIGNAL T.C. 'A'
14. 1"C TO TELEPHONE BACKBOARD
15. 3/4"C TO TELEPHONE BACKBOARD
16. 1"C STUB TO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING
17. 2"C STUB (COMPUTER) AND 1"C (BURGLAR ALARM) INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING.
18. RUN CONDUIT IN CABINETRY AS DIRECTED BY ARCHITECT.
19. 3/4"C - 3 #10 + 1 #10 GND (THWN-CU)
20. 3/4"C - 2 #10 + 1 #10 GND (THWN-CU)
21. WEATHERPROOF G.F.C.I. DUPLEX RECEPTACLE ON ROOF. MOUNT TO SIDEWALL OF MECHANICAL WELL AT +24" ABOVE ROOF.
22. MOUNT IN KNEE SPACE BELOW.
23. MOUNT IN CABINETRY AS DIRECTED BY ARCHITECT.
24. 1"C TO COMPUTER SECTION OF SIGNAL T.C. 'A'.
25. 1/2"C - 4 #14.
26. 3/4"C - 4 #12, 4 #14.
27. 3/4"C - 6 #12, 2 #14.

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REGISTERED ARCHITECT
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#C10401
Exp. 1-31-95
STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: ADMIN./LIBRARY SIGNALS AND ROOF ELECT. PLANS, BUILDING 'A'

REGISTERED PROFESSIONAL ENGINEER
Gerald Carmichael
Lic. 7198
Exp. 6/30/93
Electrical
STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.

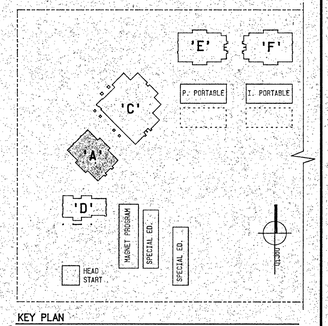
Job no: 1223

Dgn. file:

Sheet: E.6

Sheet of: 17

Date:



KEY PLAN

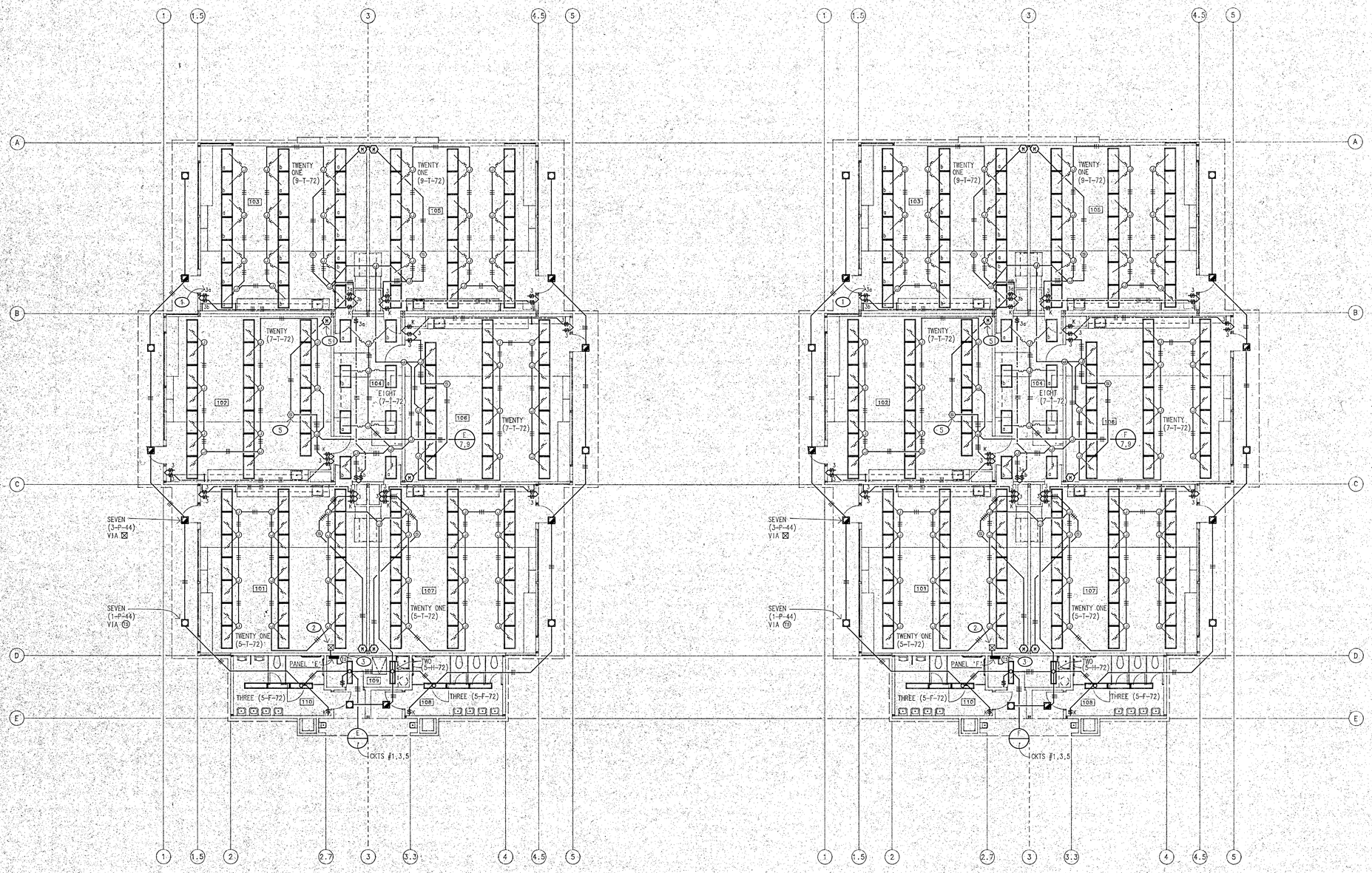
APPROVALS

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION NO. IN 59 0165
5912 MAR 11 93
APPROVAL of this plan does not eliminate the requirement for compliance with applicable regulations.

CERTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Application No. IN 59 0165
Reviewed by

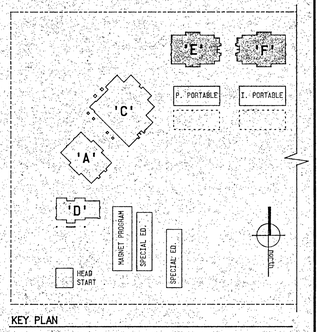
NOTES (THIS SHEET ONLY):

1. TYPICAL SWITCHING ARRANGEMENT OF CLASSROOM LIGHTS
2. PROVIDE PHOTO CONTROL ON ROOF TO CONTROL LIGHTS ON CIRCUIT #F/3 (#E/3). RUN 1/2"C - 3 #12 TO PHOTO CONTROL.
3. PROVIDE TIMESWITCH AND WIRING (PER SPEC.) TO CONTROL LIGHTS ON CIRCUIT #F/1 (#E/1)
4. LOWER CASE LETTER DENOTES CONTROLLING SWITCH, TYPICAL.
5. REFER TO OCCUPANCY SENSOR WIRING DIAGRAM, DETAIL #1/E2 FOR WIRING OF OCCUPANCY SENSOR SYSTEM.



INTERMEDIATE CLASSROOM LIGHTING PLAN 'E'
1/8" = 1'-0"

INTERMEDIATE / PRIMARY CLASSROOM LIGHTING PLAN 'F'
1/8" = 1'-0"



KEY PLAN

APPROVALS

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION PER W. 3/10 CRCS
MAR 8 1993
Reviewed by

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Appl. # A59162
Backcheck By

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REGISTERED ARCHITECT
L. PHIL KLASSEN
#C10401
Exp. 1-31-95
STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: INTERMEDIATE AND INTERMEDIATE/PRIMARY CLASSROOM LIGHTING PLANS, BUILDINGS 'E & F'

REGISTERED PROFESSIONAL ENGINEER
Gerald Carneiro
No. 7198
Exp. 9/30/93
Electrical
STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.

Job no: 1223

Dgn. file:

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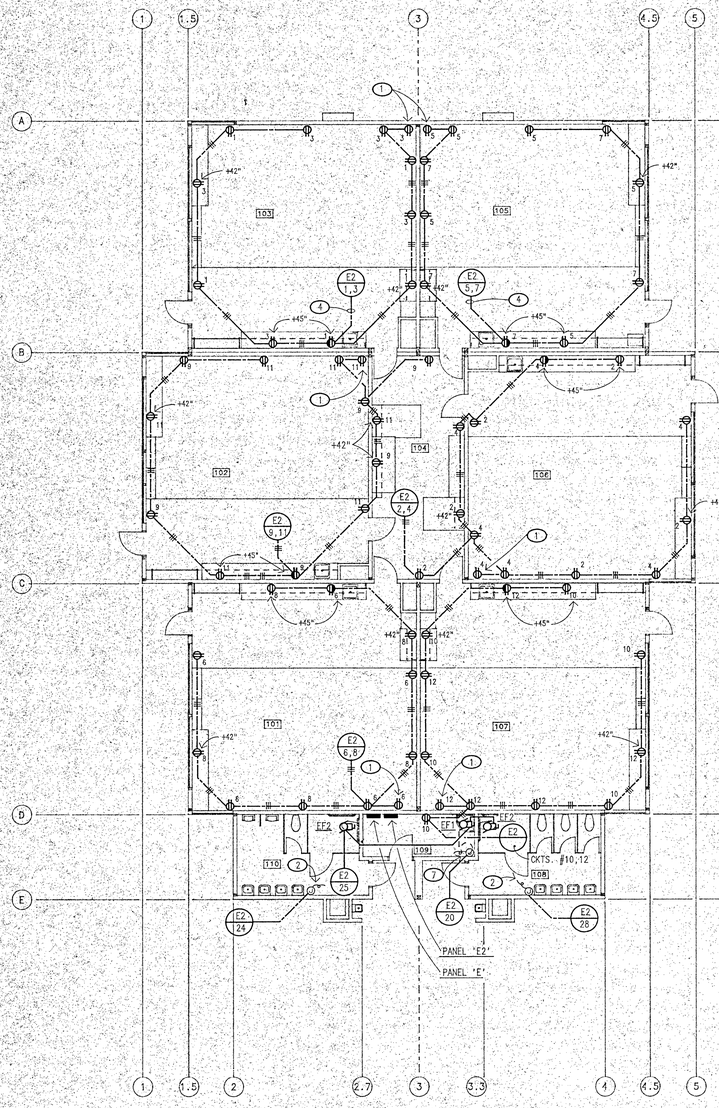
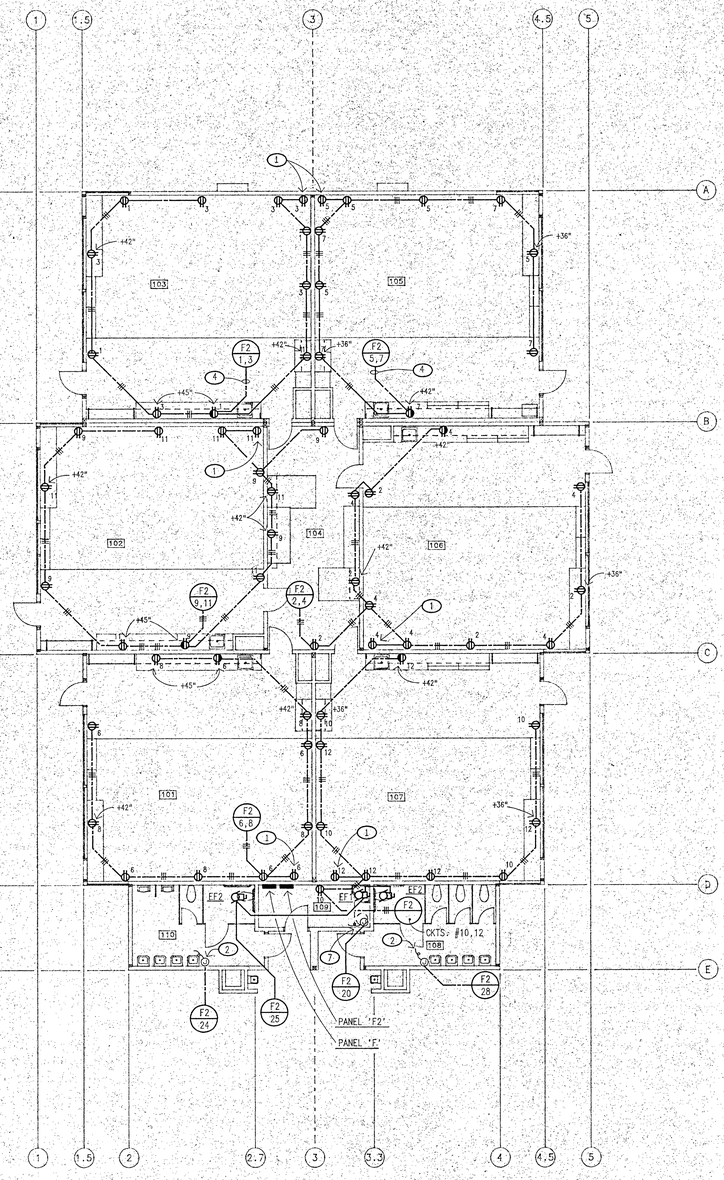
Sheet of: 17

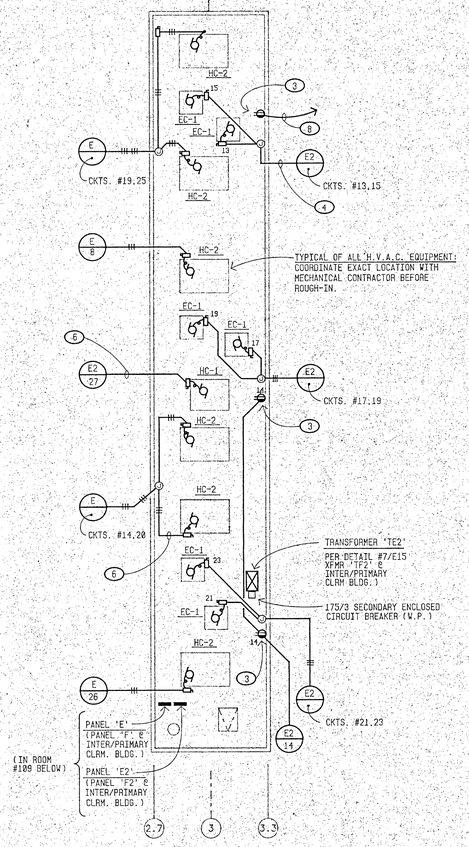
Date:



north INTERMEDIATE CLASSROOM POWER PLAN 'E'
1/8" = 1'-0"



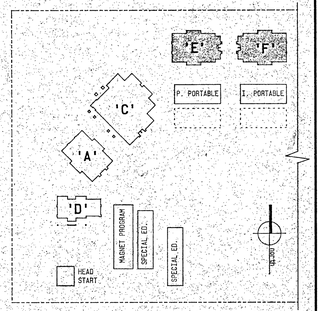
north INTERMEDIATE / PRIMARY CLASSROOM POWER PLAN 'F'
1/8" = 1'-0"



north INTERMEDIATE CLASSROOM 'E' PARTIAL ROOF ELECTRICAL PLAN
1/8" = 1'-0" (INTERMEDIATE/PRIMARY CLASSROOM "F" SIMILAR)

NOTES (THIS SHEET ONLY):

1. MOUNT DUPLEX RECEPTACLE AT 12" BELOW CEILING ADJACENT TO TELEVISION OUTLET OR AS DIRECTED BY ARCHITECT.
2. CONNECT HAND DRYER, 208V 1ϕ 2000W. VERIFY EXACT LOCATION WITH ARCHITECT.
3. WEATHERPROOF G.F.C.I. DUPLEX RECEPTACLE ON ROOF. MOUNT TO SIDEWALL OF MECHANICAL WELL AT +24" ABOVE ROOF.
4. 3/4"C - 3 #10 +1 #12 GND. (THWN-CU).
5. TYPICAL OF ALL H.V.A.C. EQUIPMENT: ALL CONTROL CONDUIT AND WIRING SHALL BE FURNISHED AND INSTALLED BY THE CONTROLS CONTRACTOR.
6. 3/4"C - 2 #10 + 1 #10 GND (THWN-CU)
7. CONNECT ELECTRIC WATER HEATER WH-1, 120V 1500W.
8. CONNECT TO 120V PLUG CIRCUIT BELOW.



KEY PLAN

APPROVALS

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION REVIEW NO. 1
MAR 11 93
Reviewed by

Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Appl. # 459162
Backchecked By

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

REGISTERED ARCHITECT
L. PHIL KLASSEN
#C10401
Exp. 1-31-95
STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: INTERMEDIATE AND INTERMEDIATE/PRIMARY CLASSROOM POWER PLANS, BUILDINGS 'E & F'

REGISTERED PROFESSIONAL ENGINEER
Gerald Carnevale
No. 7198
Exp. 9/30/93
Electrical
STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.

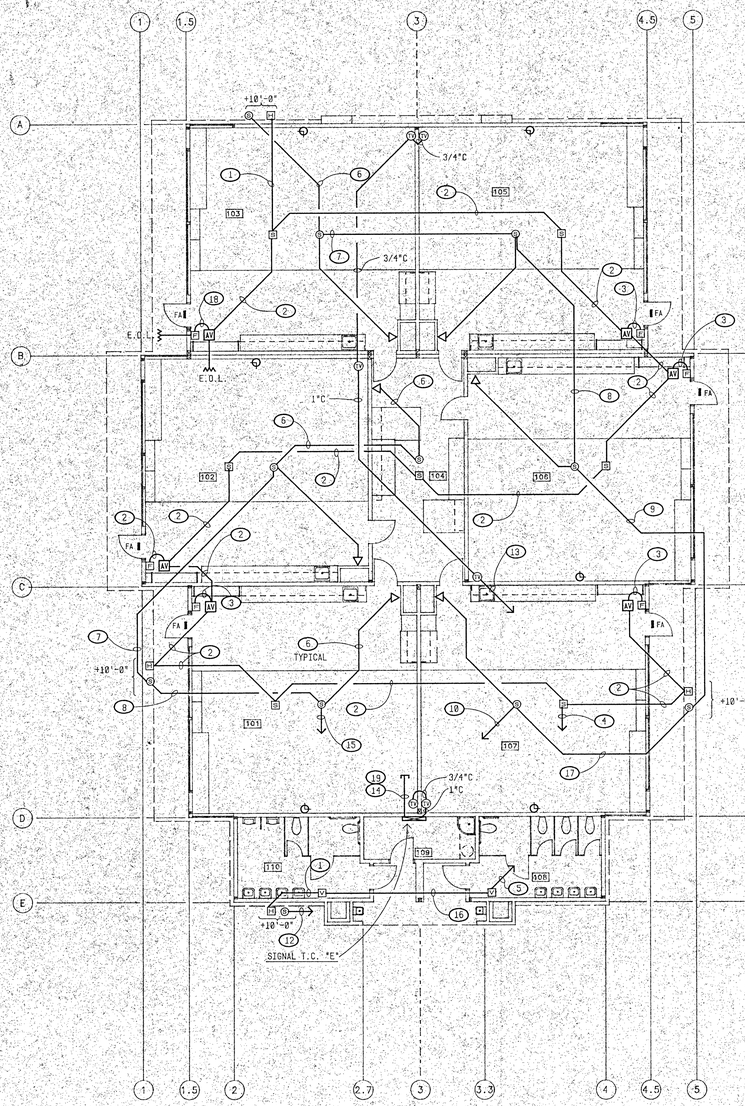
Job no: 1223

Dgn. file:

Sheet: E.8

Sheet of: 17

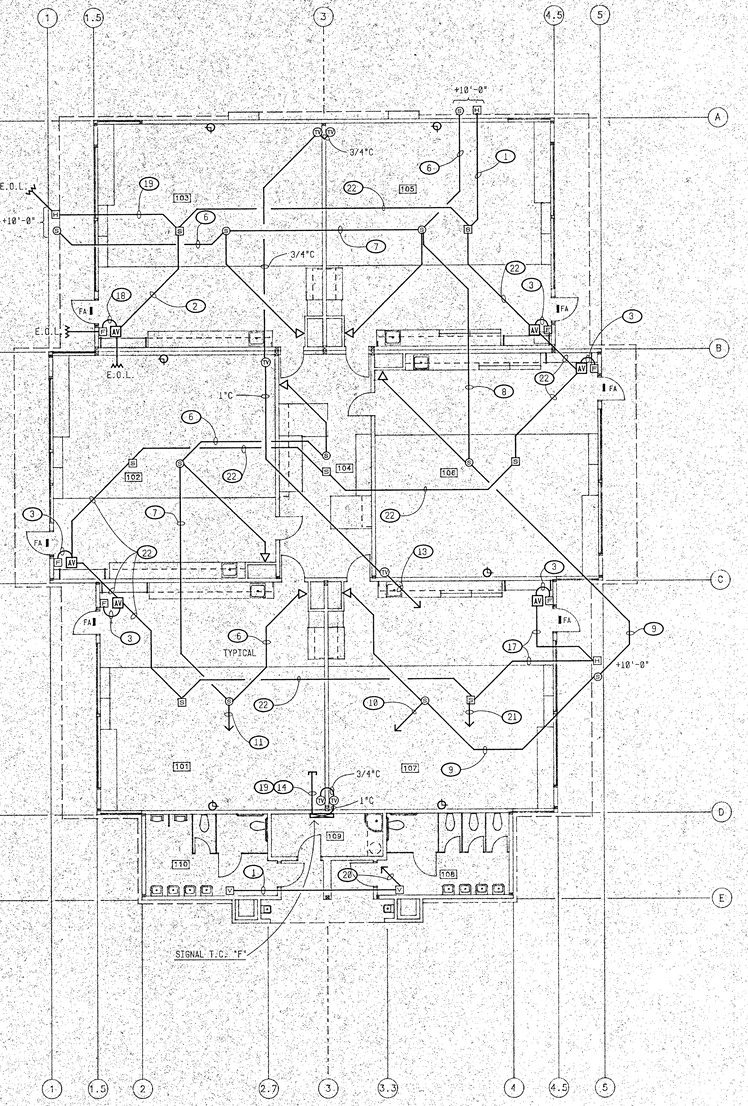
Date:



north

INTERMEDIATE CLASSROOM SIGNALS PLAN 'E'

1/8" = 1'-0"



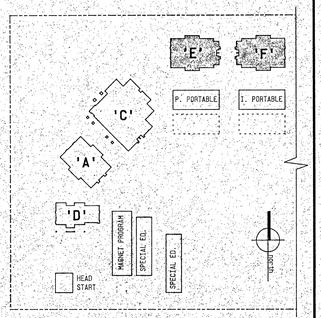
north

INTERMEDIATE / PRIMARY CLASSROOM SIGNALS PLAN 'F'

1/8" = 1'-0"

NOTES (THIS SHEET ONLY):

1. 1/2"C - 4 #12
2. 1/2"C - 6 #12, 2 #14
3. 1/2"C - 4 #14
4. 3/4"C - 6 #12, 2 #14 TO FIRE ALARM SECTION OF SIGNAL T.C. 'E'.
5. 3/4"C - 8 #12 TO FIRE ALARM SECTION OF SIGNAL T.C. 'E'.
6. 1/2"C - ONE I.C. CABLE
7. 1/2"C - TWO I.C. CABLES
8. 3/4"C - THREE I.C. CABLES
9. 3/4"C - FOUR I.C. CABLES
10. 3/4"C - FIVE I.C. CABLES TO INTERCOM SECTION OF RESPECTIVE SIGNAL T.C.
11. 3/4"C - THREE I.C. CABLES TO INTERCOM SECTION OF RESPECTIVE SIGNAL T.C.
12. 3/4"C - ONE I.C. CABLE TO INTERCOM SECTION OF RESPECTIVE SIGNAL T.C.
13. 1"C - TO BURGLAR ALARM/TELEVISION SECTION OF RESPECTIVE SIGNAL T.C.
14. 1"C STUB INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING FROM BURGLAR ALARM/TELEVISION SECTION.
15. 3/4"C - FOUR I.C. CABLES TO INTERCOM SECTION OF RESPECTIVE SIGNAL T.C.
16. 3/4"C - 8 #12
17. 3/4"C - 8 #12, 4 #14.
18. 1/2"C - 2 #14.
19. 1 1/4"C AND 1"C STUBS INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING FROM COMPUTER SECTION.
20. 3/4"C - 4 #12 TO FIRE ALARM SECTION OF SIGNAL T.C. 'F'.
21. 3/4"C - 4 #12, 2 #14 TO FIRE ALARM SECTION OF SIGNAL T.C. 'F'.
22. 3/4"C - 4 #12, 2 #14.
23. 1/2"C - 2 #12.



KEY PLAN

APPROVALS

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION PER W. RED DOLS
MAR 11 93
Reviewed by

Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
A591 x 2
Reviewed by

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

REGISTERED ARCHITECT
L. PHIL KLASSEN
#C10401
Exp. 1-31-95
STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title:
INTERMEDIATE AND INTERMEDIATE/PRIMARY CLASSROOM SIGNALS PLANS, BUILDINGS 'E & F'

REGISTERED PROFESSIONAL ENGINEER
Gerald Cornelius
No. 7198
Exp. 9/30/93
Electrical
STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.

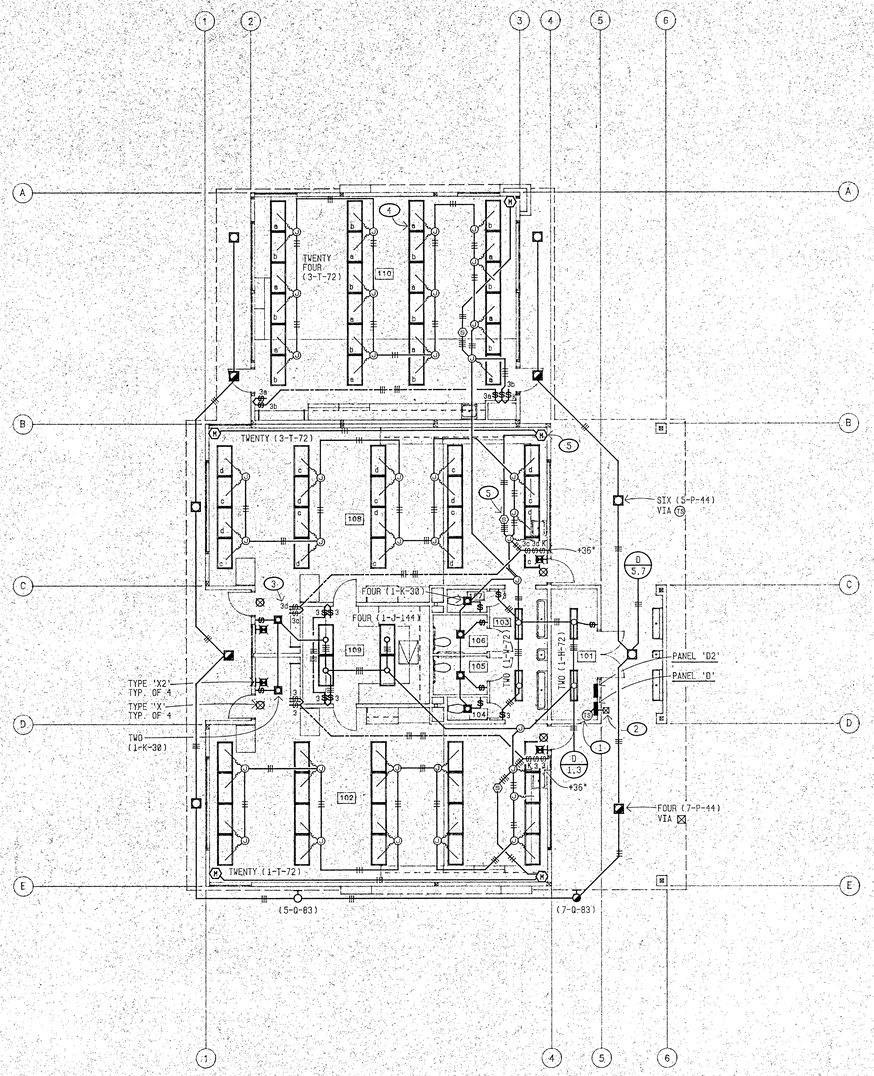
Job no: 1223

Dgn. file:

Sheet:
E.9

Sheet of: 17

Date:

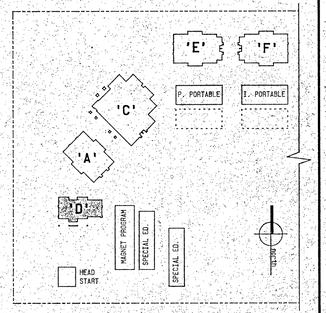


KINDERGARTEN CLASSROOM LIGHTING PLAN 'D'

1/8" = 1'-0"

NOTES (THIS SHEET ONLY):

1. PROVIDE TIMESWITCH AND WIRING (PER SPEC.) TO CONTROL LIGHTS ON CIRCUIT #D/5.
2. PROVIDE PHOTOCONTROL ON ROOF TO CONTROL LIGHTS ON CIRCUIT #D/7. RUN 1/2"C - 3 #12 TO PHOTO CONTROL.
3. TYPICAL SWITCHING ARRANGEMENT OF KINDERGARTEN CLASSROOM LIGHTS.
4. LOWER CASE LETTER DENOTES CONTROLLING SWITCH, TYPICAL.
5. REFER TO OCCUPANCY SENSOR WIRING DIAGRAM, DETAIL #1/E2, FOR WIRING OF OCCUPANCY SENSOR SYSTEM.



KEY PLAN

APPROVALS

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION PER W. JUD RIVES
59162 MAR 11 93
APPROVAL of this plan does not authorize or approve any omission or deviation from applicable regulations.
Reviewed by

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Appl. No. 59162
Accompanied by

KLASSEN CORPORATION
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Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

REGISTERED ARCHITECT
L. PHIL KLASSEN
#C10401
Exp. 1-31-95
STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: KINDERGARTEN CLASSROOM LIGHTING PLAN, BUILDING 'D'

REGISTERED PROFESSIONAL ENGINEER
Gerald Cornelius
No. 7198
Exp. 9/30/93
Electrical
STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.

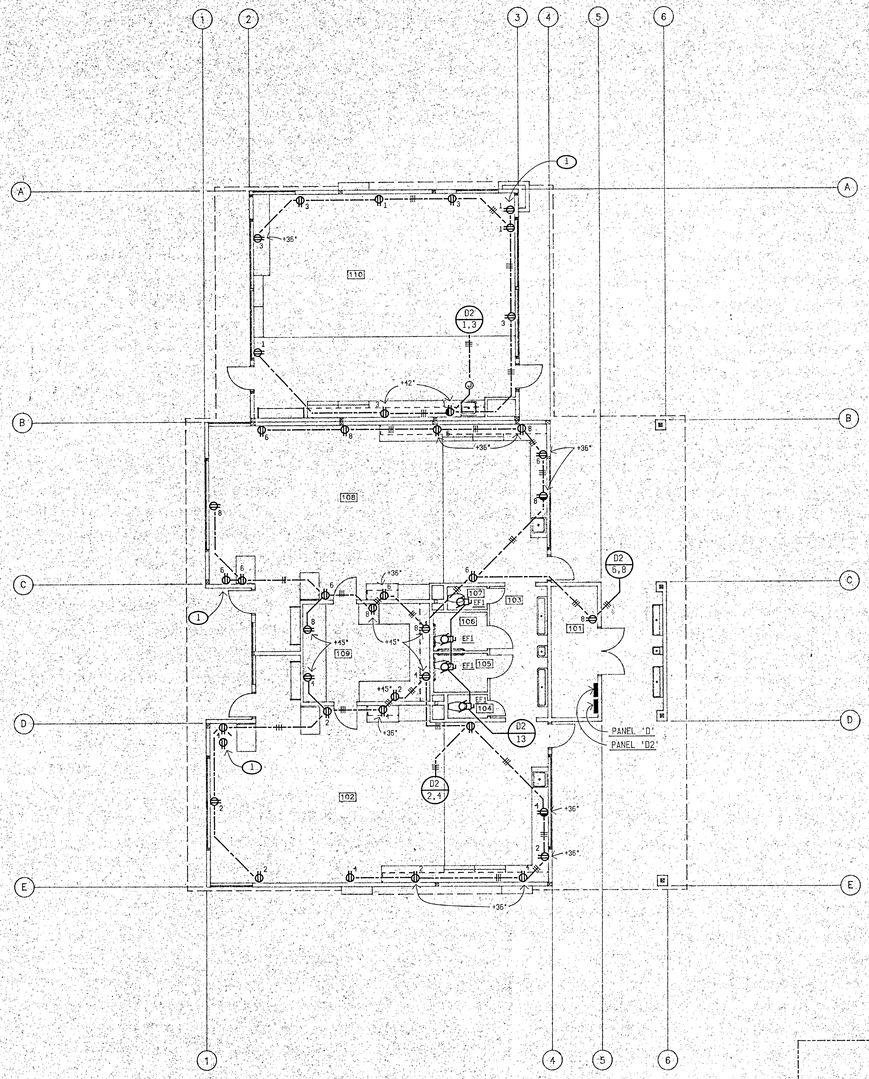
Job no: 1223

Dgn. file:

Sheet: E.10

Sheet of: 17

Date:



KINDERGARTEN CLASSROOM POWER PLAN 'D'

1/8" = 1'-0"

120/208 VOLTS 3 Ø 4 WIRE
225 A. BUSSING NO A. MAIN BKR.
42 CIRCUIT
BOLT-ON

10,000 BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
SURFACE MOUNTING
(1)

PANEL 'D2'

CIR.	BKR.	LOAD V.A. ØA	LOAD V.A. ØB	LOAD V.A. ØC	DESCRIPTION	DESCRIPTION	LOAD V.A. ØC	LOAD V.A. ØB	LOAD V.A. ØA	BKR.	CIR.
01	20/1	900			RECEPT.- CLASSROOM	RECEPT.- CLASSROOM			1440	20/1	02
03			900		↓	↓		1440			04
05				1255	EC-1. 1/6 H.P. & 75W PUMP		1440				06
07		1735			EC-2. 3/4 H.P. & 75W PUMP	↓			1440		08
09			1735		↓	SPARE				25/2	10
11				360	RECEPT.- W.P.ON ROOF	HC-1	1480			25/2	12
13		180			EXHAUST FANS				1440		14
15					SPARE	FUTURE "HEADSTART" BUILDING		8400		50/2	16
17					↓	↓	8400				18
19		200			FIRE ALARM REPEATER PANEL	T.V.S.S.				30/3	20
21	25/2		1480		HC - 1.						22
23				1480							24

TOTAL LOADS: ØA = 7,375W (61A) ØB = 2,475W (104A) ØC = 12,935W (108A)

(1) IN ADDITION TO STANDARD EQUIPMENT GROUND BUS, PROVIDE AN INSULATED GROUND BUS FOR "ISOLATED GROUND RECEPTACLES."

NOTES (THIS SHEET ONLY):

(1) MOUNT DUPLEX RECEPTACLE AT 12" BELOW CEILING ADJACENT TO TELEVISION OUTLET OR AS DIRECTED BY ARCHITECT.

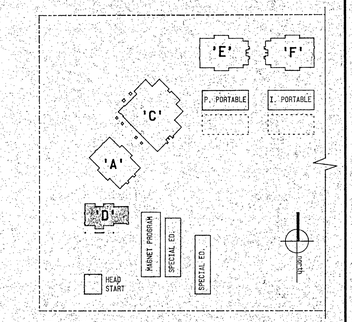
277/480 VOLTS 3 Ø 4 WIRE
225 A. BUSSING 150 A. MAIN BKR.
30 CIRCUIT
BOLT-ON

14,000 BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
SURFACE MOUNTING

PANEL 'D'

CIR.	BKR.	LOAD V.A. ØA	LOAD V.A. ØB	LOAD V.A. ØC	DESCRIPTION	DESCRIPTION	LOAD V.A. ØC	LOAD V.A. ØB	LOAD V.A. ØA	BKR.	CIR.
01	20/1	2510			LIGHTS - KINDERGARTEN TEACHER	XFMR 'TD2'			7195	70/3	02
03			3170		LIGHTS - KINDERGARTEN CLASSROOM			12,475			04
05				265	- VIA (T)		12,935				06
07		180			- VIA ⊠	HC-2			2880	25/2	08
09					SPARE			2880			10
11							2880				12
13						HC-3			3790	25/3	14
15								3790			16
17							3750				18
19						HC-3			3790	25/3	20
21								3790			22
23							3790				24
25											26
27											28
29											30

TOTAL LOADS: ØA = 20,345W (73A) ØB = 26,185W (94A) ØC = 23,660W (85A)



KEY PLAN

APPROVALS

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION FOR W. NO. 81955
5916 MAR 11 93
Approval of this plan does not constitute or approve any omission or deviation from applicable regulations.
Reviewed by

DESIGNATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
File No. 45916
Checked by

KLASSEN CORPORATION

Architecture
Planning
Construction

2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

REGISTERED ARCHITECT
L. PHIL KLASSEN
#C10401
Exp. 1-31-95
STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title:
KINDERGARTEN CLASSROOM POWER PLAN, BUILDING 'D'

REGISTERED PROFESSIONAL ENGINEER
David Carmichael
No. 7198
Exp. 9/30/93
Electrical
STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.

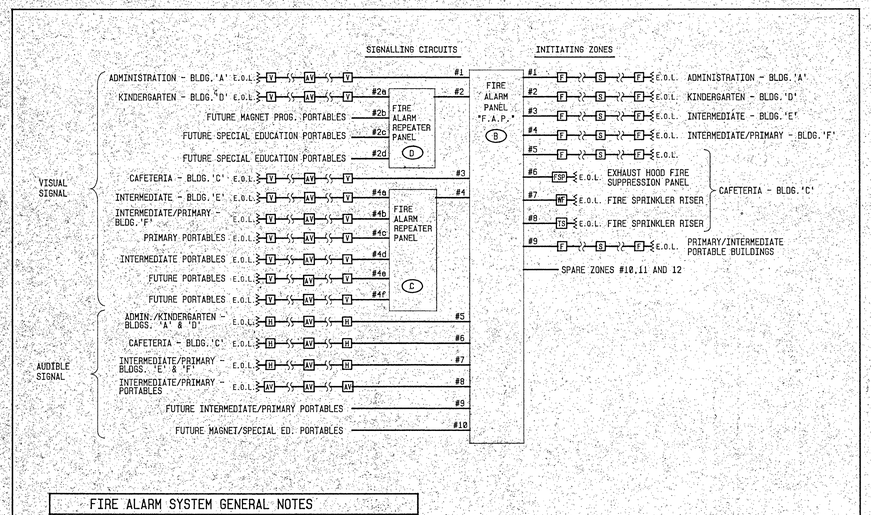
Job no: 1223

Dgn. file:

Sheet:
E.11

Sheet of: 17

Date:



FIRE ALARM SYSTEM GENERAL NOTES

1. THE FIRE ALARM SYSTEM INDICATED IN THESE DRAWINGS SHALL BE USED FOR CONSTRUCTION.
2. CONTRACTOR IS TO PROVIDE AS-BUILT DRAWINGS TO ARCHITECT AND SCHOOL DISTRICT FOR RECORD PURPOSES ONLY.
3. FIRE ALARM SYSTEM SHALL MEET SPECIFICATION REQUIREMENTS. ALL COMPONENTS TO HAVE C.S.F.M. LISTING NUMBERS.
4. SUBMIT VOLTAGE DROP AND STANDBY BATTERY CALCULATIONS.

FIRE ALARM LEVEL OF AUDIBILITY

ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 10 DB ABOVE AMBIENT NOISE LEVELS MEASURED FOUR FEET ABOVE THE FLOOR INSIDE BUILDING.

AMBIENT NOISE LEVELS SHALL BE CONSTRUED TO MEAN THAT WHICH CAN NORMALLY EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS, CALIFORNIA BUILDING CODE SECTION 7203.

SCHOOLS FIRE ALARM REQUIREMENTS

THE FIRE ALARM SYSTEM SHALL CONFORM TO CALIFORNIA BUILDING CODE SECTION 809 AND CALIFORNIA ELECTRICAL CODE ARTICLE 760.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY, CALIFORNIA BUILDING CODE SECTION E740-16.

FIRE ALARM PANEL BATTERY CALCULATIONS

1. **BATTERY AMP HOURS REQUIRED:**
   24 HOURS IN STANDBY MODE.
   5 MINUTES IN ALARM MODE.
2. **BATTERY CALCULATIONS:**

	STANDBY	ALARM
COMMON CONTROL BOARD	.100A	.420A
FOUR ZONE EXPANSION BOARD	.225A	.450A
AUDIBLE ALARM CONTROL BOARD	.125A	1.000A
MASTER CODER MODULE	.023A	.025A
SPRINKLER SUPERVISORY BOARD	.010A	.085A
REMOTE ANNUNCIATOR	0	.085A
HORNS (.025 EACH)	0	.450A
MINI-HORN (.015 EACH)	0	.420A
STROBES (.090 EACH)	0	4.05A
TOTAL	.483A	6.985A

STANDBY 24 HR x .483 = 11.592 AH
ALARM .083 (5 MIN.) x 6.985A = .573 AH
12.165 AH
SAFETY FACTOR x 1.1
13.382 AH

PROVIDE 21 AH BATTERIES

NOTES (THIS SHEET ONLY):

(A) REFER TO SPECIFICATIONS, SECTION 16721 FOR MANUFACTURER REQUIREMENTS AND C.S.F.M. LISTING NUMBERS.

(B) FIRE ALARM PANEL SHALL BE EQUIPPED WITH AN 8.0A POWER SUPPLY.

(C) SIX-CIRCUIT ADA REPEATER PANEL WITH 8.0 A.H. BATTERIES. THORN #3832-992-003/7070-036; C.S.F.M. #7165-077:068.

(D) FOUR-CIRCUIT ADA REPEATER PANEL WITH 8.0 A.H. BATTERIES. THORN #3832-992-002/7070-036; C.S.F.M. #7165-077:068.

VOLTAGE DROP CALCULATIONS FOR SIGNALING CIRCUITS

$$\text{VOLTAGE DROP} = \frac{\text{CURRENT} \times \text{WIRE LENGTH} \times 21.6}{\text{CIRC. MILS}}$$

$$\text{VOLTAGE DROP } \% = \frac{\text{VOLTAGE DROP}}{\text{APPLIED VOLTAGE}} \times 100$$

1. SIGNALING CIRCUIT #5

$$\frac{.210 \times 650' \times 21.6}{6530} = 0.971$$

$$\frac{0.450}{24} \times 100 = 1.88\%$$

2. SIGNALING CIRCUIT #7

$$\frac{.36 \times 1380' \times 21.6}{10380} = 1.03$$

$$\frac{1.03}{24} \times 100 = 4.00\%$$

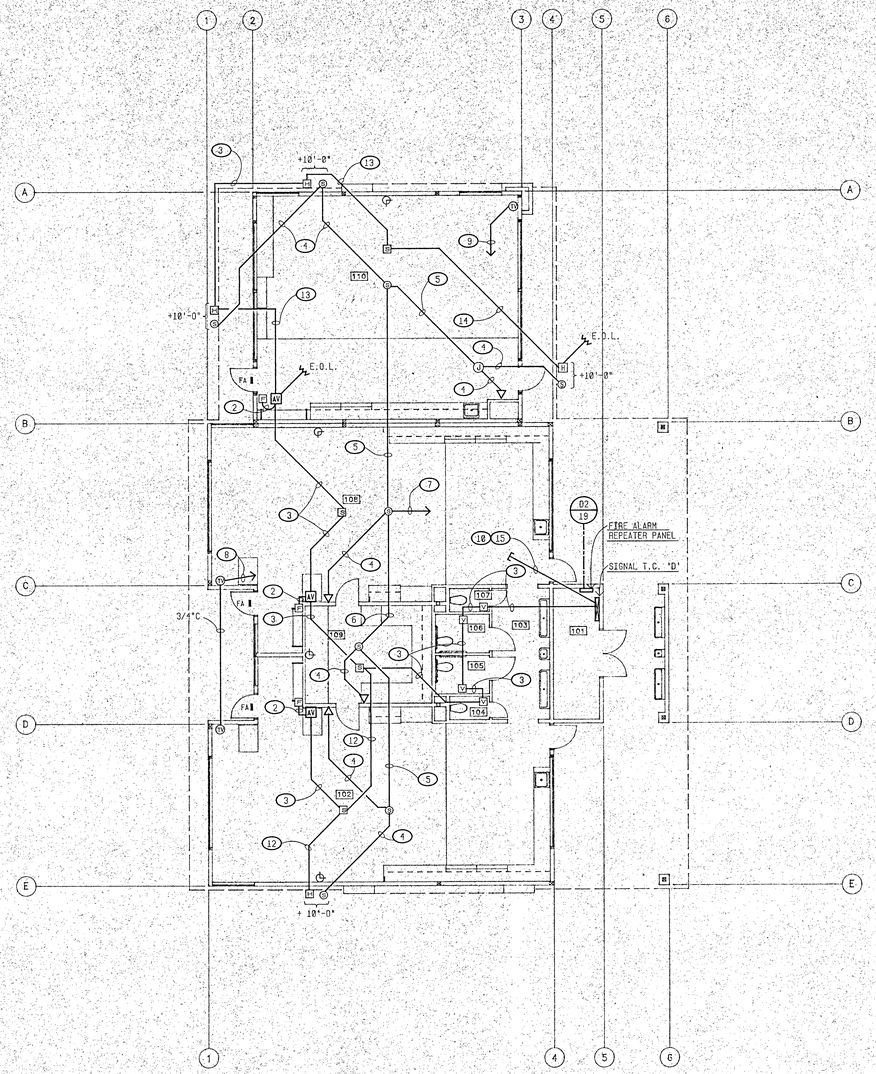
3. SIGNALING CIRCUIT #4b

$$\frac{.720 \times 570' \times 21.6}{6530} = 1.35$$

$$\frac{1.35}{24} \times 100 = 5.65\%$$

NOTE: VALUES SHOWN ARE WORST CASE VOLTAGE DROPS. OTHER SIGNALING CIRCUITS WOULD HAVE LESS CURRENT AND/OR SHORTER WIRE LENGTHS.

1/E.12 FIRE ALARM WIRING DIAGRAM — NO SCALE

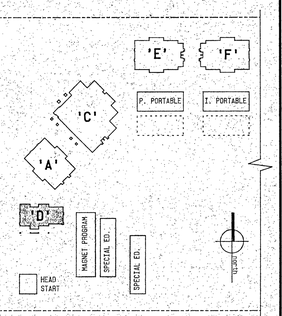


north KINDERGARTEN CLASSROOM SIGNALS PLAN 'D'

1/8" = 1'-0"

NOTES (THIS SHEET ONLY):

(1) 1/2"C - 4 #12
(2) 1/2"C - 4 #14
(3) 3/4"C - 4 #12, 2 #14
(4) 1/2"C - ONE I.C. CABLE
(5) 1/2"C - TWO I.C. CABLES
(6) 3/4"C - THREE I.C. CABLES
(7) 3/4"C - FIVE I.C. CABLES TO INTERCOM SECTION OF SIGNAL T.C. 'D'.
(8) 1"C - TO BURGLAR ALARM/TELEVISION SECTION OF SIGNAL T.C. 'D'.
(9) 3/4"C TO BURGLAR ALARM/TELEVISION SECTION OF SIGNAL T.C. 'D'.
(10) 1"C STUB INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING FROM BURGLAR ALARM/TELEVISION SECTION.
(11) 1/2"C - 2 #14.
(12) 3/4"C - 8 #12, 4 #14.
(13) 1/2"C - 2 #12, 2 #14.
(14) 1/2"C - 2 #12.
(15) TWO 1"C STUBS INTO ACCESSIBLE ATTIC SPACE ABOVE T-BAR CEILING FROM COMPUTER SECTION.



KEY PLAN

APPROVALS

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
APPLICATION FILED IN OFFICE
9-14-92 MAR 11 93
Review of this plan does not relieve any responsibility for omissions or deviations from applicable requirements.
Reviewed by

IDENTIFICATION LETTER
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Appl. # 9311
Date checked by

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Architecture
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Bakersfield, CA 93301
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REGISTERED ARCHITECT — L. PHIL KLASSEN #C10401 Exp. 1-31-95 — STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL — BAKERSFIELD, CA.

Sheet title: KINDERGARTEN CLASSROOM SIGNALS PLAN. BUILDING 'D' AND FIRE ALARM WIRING DIAGRAM.

REGISTERED PROFESSIONAL ENGINEER — David Carmichael — No. 7198 — Exp. 6/30/93 — Electrical — STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.
Job no: 1223
Dgn. file:
Sheet: E.12
Sheet of: 17
Date:

DIMMING SYSTEM EQUIPMENT SPECIFICATIONS:

1. **DIMMER CABINET 'DIM'** - SHALL BE AN E.D.I. PROLITE JR. (#PLJ-DC6/S/MCB) WITH SIX QUAD 1.8KW DIMMER MODULES, E.D.I.#PLJ-Q1/I (ONE SHALL BE "NON-DIM"). CABINET SHALL BE BUSSED AT 100A 120/208V 3Ø 4W WITH A 100A MAIN BREAKER. CABINET SHALL BE FAN COOLED INTERNALLY AND HAVE A LOCKABLE DOOR.

2. **PORTABLE DIMMING CONTROL CONSOLE** - SHALL BE AN E.D.I. "MINSTREL" WITH MAIN FUNCTION, TOTAL OF 24 CONTROL CHANNELS, "HOUSELIGHT" AND "MEMORY/EFFECTS" MODULES, SCRIPT LIGHT, "ROADCASE", WOOD END PANELS AND POWER AND CONTROL CABLES. CONSOLE SHALL ALSO CONTROL FLUORESCENT LIGHTS ABOVE STAGE.

3. **REMOTE RECEPTACLE STATION (FOR CONTROL CONSOLE)** - SHALL BE AN E.D.I. #LTCSMXLR/15FD/LKOR. PROVIDE ONE FLUSH CABINET AT BACKSTAGE AND ONE FLUSH CABINET IN MULTI-PURPOSE. VERIFY EXACT LOCATIONS WITH ARCHITECT BEFORE ROUGH-IN.

4. **REMOTE CONTROL STATION (FOR "HOUSE" DOWNLIGHTS)** - SHALL BE AN E.D.I. #D303/RM/LKOR WITH "TAKE CONTROL" BUTTON, MASTER SLIDER AND THREE CONTROL CHANNELS. MOUNT IN A FLUSH CABINET WITH METAL LOCKABLE DOOR.

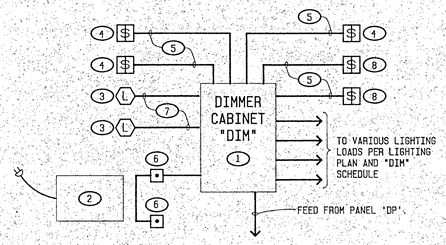
5. 1"C + LOW VOLTAGE WIRING PER MANUFACTURER'S SHOP DRAWING.

6. **FLOOR POCKET** - SHALL BE AN E.D.I. #FP 2-GANG WITH CAST ALUMINUM TREAD PLATE AND ONE DIMMED 20A TWISTLOCK DUPLEX RECEPTACLE AND ONE NON-DIMMED 20A STRAIGHT BLADE DUPLEX RECEPTACLE MOUNTED INSIDE.

7. 1 1/4"C + LOW VOLTAGE WIRING PER MANUFACTURER'S SHOP DRAWING.

8. **REMOTE CONTROL STATION (FOR FLUORESCENT LIGHTS ABOVE STAGE)** - SHALL BE AN E.D.I. #C102/MS.

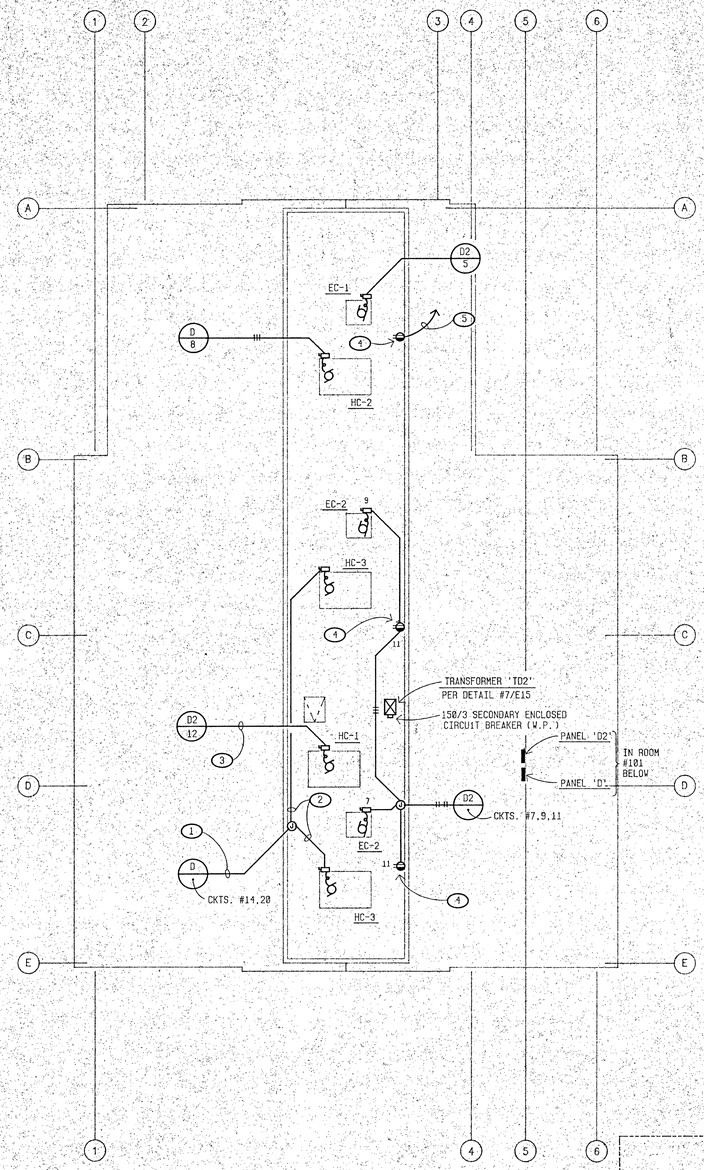
NOTE: PROVIDE FACTORY SHOP DRAWINGS AND BAKELITE ENGRAVED NAMEPLATES FOR ALL EQUIPMENT NOTED ABOVE.



DIMMER CABINET "DIM" SCHEDULE

PLAN CKT NO.	DESIGNATION	MODULE TYPE	ASSIGNED LOADS WATTS / PHASE ΦA	ΦB	ΦC
1	STAGE TRACK LIGHTS	PLJ-Q1-I	450		
2	STAGE TRACK LIGHTS		450		
3	STAGE TRACK LIGHTS		450		
4	STAGE TRACK LIGHTS		450		
5	STAGE TRACK LIGHTS	PLJ-Q1-I		450	
6	STAGE TRACK LIGHTS			450	
7	STAGE TRACK LIGHTS			450	
8	STAGE TRACK LIGHTS			450	
9	DOWNLIGHTS ABOVE STAGE (FRONT ROW)	PLJ-Q1-I			
10	DOWNLIGHTS ABOVE STAGE (SECOND ROW)				1500
11	DOWNLIGHTS ABOVE STAGE (LAST 3 ROWS)				1500
12	DOWNLIGHTS ABOVE STAGE (LAST 3 ROWS)				1500
13	"HOUSE" DOWNLIGHTS (OUTSIDE ROW)	PLJ-Q1-I	1300		
14	"HOUSE" DOWNLIGHTS (CENTER ROW)		1050		
15	"HOUSE" DOWNLIGHTS (OUTSIDE ROW)		1300		
16	FLOOR POCKETS		1000		
17	FLOOR POCKETS	PLJ-Q1-I (NON-DIM)		500	
18					
19	FLUORESCENT LIGHTS ABOVE STAGE			1155	
20	FLUORESCENT LIGHTS ABOVE STAGE			1155	
21					
22					
23					
24					

1 / E.13 MULTI-PURPOSE DIMMING SYSTEM NTS



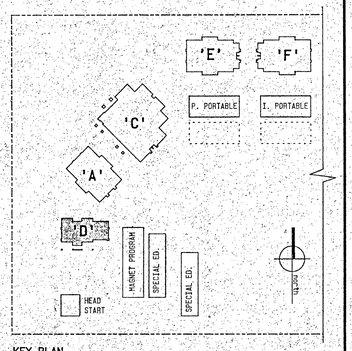
KINDERGARTEN CLASSROOM ROOF ELECTRICAL PLAN 'D'

north

1/8" = 1'-0"

NOTES (THIS SHEET ONLY):

1. 3/4"C - 6 #10 + 1 #10 GND (THWN-CU)
2. 3/4"C - 3 #10 + 1 #10 GND (THWN-CU)
3. 3/4"C - 2 #10 + 1 #10 GND (THWN-CU)
4. WEATHERPROOF G.F.C.I. DUPLEX RECEPTACLE ON ROOF. MOUNT TO SIDEWALL OF MECHANICAL WELL @ +24" ABOVE ROOF
5. CONNECT TO 120V PLUG CIRCUIT BELOW



KEY PLAN

APPROVALS

APPROVED FIRE MARSHAL DATE MAR 8 1993

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
APPLICATION FILE W. PUC DOCS
59152 MAR 11 93
APPROVAL of this plan does not authorize or approve any omission or deviation from applicable regulations.
Reviewed by

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
59152
Approved by

KLASSEN CORPORATION
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REGISTERED ARCHITECT L. PHIL KLASSEN #C10401 Exp. 1-31-95 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CA.

Sheet title: KINDERGARTEN CLASSROOM ROOF ELECTRICAL PLAN, BUILDING 'D' & DIMMING SYSTEM DIAGRAM

REGISTERED PROFESSIONAL ENGINEER Gerald Cernich No. 7198 Exp. 9/30/93 Electrical STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.

Job no: 1223

Dgn. file:

Sheet: E.13

Sheet of: 17

Date:

PANEL 'A'

277/480 VOLTS 3 Ø 4 WIRE
225 A. BUSSING 175 A. MAIN BKR.
42 CIRCUIT
BOLT-ON

14,000 BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
SURFACE MOUNTING

CIR.	BKR.	LOAD V.A. ØA	LOAD V.A. ØB	LOAD V.A. ØC	DESCRIPTION	DESCRIPTION	LOAD V.A. ØC	LOAD V.A. ØB	LOAD V.A. ØA	BKR.	CIR.
1	20/1	2320			LIGHTS - OFFICES	XFMR 'TA2'			8510	70/3	2
3			3405		- CORR. WORKROOM			10,710			4
5				3600	- LIBRARY		7980				6
7		1350			- VIA Ⓔ	HC-3			3790	25/3	8
9			825		- VIA ⊠			3790			10
11					SPARE		3790				12
13						HC-2			2880	20/3	14
15								2880			16
17							2880				18
19	20/3	2880			HC-2	HC-2			2880	20/3	20
21			2880					2880			22
23				2880			2880				24
25											26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42

TOTAL LOADS: Ø A= 25,110 W 91 A Ø B= 26,070 W 97 A Ø C= 24,510 W 89 A

PANEL 'C'

277/480 VOLTS 3 Ø 4 WIRE
225 A. BUSSING NO A. MAIN BKR.
42 CIRCUIT
BOLT-ON

14,000 BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
SURFACE MOUNTING

CIR.	BKR.	LOAD V.A. ØA	LOAD V.A. ØB	LOAD V.A. ØC	DESCRIPTION	DESCRIPTION	LOAD V.A. ØC	LOAD V.A. ØB	LOAD V.A. ØA	BKR.	CIR.
1	20/1	2480			LIGHTS - KITCHEN	HC-4A, 20A			4130	50/3	2
3			9300		- TOILETS, STORAGE			4130			4
5				2595	- CAFETERIA		4130				6
7		1960				HC-4B, 20A			4130	50/3	8
9			1800		- LOBBY, LOUNGE			4130			10
11				640	- VIA Ⓔ		4130				12
13		350			- VIA ⊠	HC-3, 15A			3790	25/3	14
15					SPARE			3790			16
17							3790				18
19	20/3	3050			MUA-1, 7 1/2 H.P.	HC-3, 15A			3790	25/3	20
21			3050					3790			22
23				3050			3790				24
25	20/3				SPARE						26
27											28
29											30
31	20/1					DISHWASHER MOTORS			1330	20/3	32
33	20/1							1330			34
35							1330				36
37	40/3	8000			BOOSTER WATER HTR.	DISHWASHER TANK HEAT			3335	20/3	38
39			8000					3335			40
41				8000			3335				42

TOTAL LOADS: Ø A= 36,345 W 131 A Ø B= 36,655 W 132 A Ø C= 34,790 W 126 A

PANEL 'E'

277/480 VOLTS 3 Ø 4 WIRE
225 A. BUSSING 225 A. MAIN BKR.
42 CIRCUIT
BOLT-ON

14,000 BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
SURFACE MOUNTING

CIR.	BKR.	LOAD V.A. ØA	LOAD V.A. ØB	LOAD V.A. ØC	DESCRIPTION	DESCRIPTION	LOAD V.A. ØC	LOAD V.A. ØB	LOAD V.A. ØA	BKR.	CIR.
1	20/1	640			LIGHTS - VIA Ⓔ	XFMR 'TE2'			8040	70/3	2
3			560		- VIA ⊠			10,990			4
5				3600	- CLRM. TOILETS		10,490				6
7		3460			- CLRMS	HC-2			3410	20/3	8
9			3025					3410			10
11					SPARE			3410			12
13						HC-2			3410	20/3	14
15								3410			16
17								3410			18
19	20/3	2860			HC-2	HC-2			3410	20/3	20
21			2880					3410			22
23				2880				3410			24
25	20/3	2880			HC-2	HC-2			3410	20/3	26
27			2880					3410			28
29				2880				3410			30
31											32
33											34
35											36
37											38
39											40
41											42

TOTAL LOADS: Ø A= 19,420 W 186 A Ø B= 31,855 W 115 A Ø C= 31,370 W 113 A

PANEL 'F'

277/480 VOLTS 3 Ø 4 WIRE
225 A. BUSSING 225 A. MAIN BKR.
42 CIRCUIT
BOLT-ON

14,000 BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
SURFACE MOUNTING

CIR.	BKR.	LOAD V.A. ØA	LOAD V.A. ØB	LOAD V.A. ØC	DESCRIPTION	DESCRIPTION	LOAD V.A. ØC	LOAD V.A. ØB	LOAD V.A. ØA	BKR.	CIR.
1	20/1	310			LIGHTS - VIA Ⓔ	XFMR 'TF2'			8040	70/3	2
3			310		- VIA ⊠			10,990			4
5				3600	- CLRM. TOILETS		10,490				6
7		3460			- CLRMS	HC-2			2880	20/3	8
9			3025					2880			10
11					SPARE		2880				12
13						HC-2			2880	20/3	14
15								2880			16
17							2880				18
19	20/3	2880			HC-2	HC-2			2880	20/3	20
21			2880					2880			22
23				2880				2880			24
25	20/3	2880			HC-2	HC-2			2880	20/3	26
27			2880					2880			28
29				2880				2880			30
31											32
33											34
35											36
37											38
39											40
41											42

TOTAL LOADS: Ø A= 29,090 W 105 A Ø B= 31,605 W 114 A Ø C= 31,370 W 113 A

PANEL 'A2'

120/208 VOLTS 3 Ø 4 WIRE
225 A. BUSSING NO A. MAIN BKR.
42 CIRCUIT
BOLT-ON

10,000 BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
SURFACE MOUNTING (1) (3)

CIR.	BKR.	LOAD V.A. ØA	LOAD V.A. ØB	LOAD V.A. ØC	DESCRIPTION	DESCRIPTION	LOAD V.A. ØC	LOAD V.A. ØB	LOAD V.A. ØA	BKR.	CIR.
1	20/1	900			RECEPT. - OFFICES	RECEPT. - TEACHER WORKROOM			1080	20/1	2
3			900					1080			4
5				1080			1080				6
7		900			- CLERICAL	- TEL BKBD			360		8
9			720			- CONF EQUIP.		1260			10
11				900			1080				12
13		900			- ITINERANT SERVICES	- LIBRARY			1440		14
15			900					1440			16
17				500	- I.C./P.A. RACK	- U/C REFRIG.	1020				18
19		500				- HEALTH			180		20
21					SPARE	- ISO. GND		180			22
23						- W.P. ON ROOF	360				24
25						WATER HEATER WH-2			2250	30/2	26
27	25/2		1480		HC-1			2250			28
29				1480		RECEPT. - U/C REFRIG.	1000			20/1	30
31						EMS CONTROLLER			500		32
33						FIRE ALARM PANEL		500			34
35											36
37	20/3				T.V.S.S.						38
39											40
41											42

TOTAL LOADS: Ø A= 9,010 W 75 A Ø B= 10,710 W 89 A Ø C= 8,480 W 71 A

PANEL 'C2'

120/208 VOLTS 3 Ø 4 WIRE
100 A. BUSSING NO A. MAIN BKR.
30 CIRCUIT
BOLT-ON

10,000 BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
SURFACE MOUNTING

CIR.	BKR.	LOAD V.A. ØA	LOAD V.A. ØB	LOAD V.A. ØC	DESCRIPTION	DESCRIPTION	LOAD V.A. ØC	LOAD V.A. ØB	LOAD V.A. ØA	BKR.	CIR.
1	20/1	1080			RECEPT. - STAGE	WHEELCHAIR LIFT			1180	20/1	2
3			1080			RECEPT. - STAGE		900			4
5				310	EXHAUST FANS		900				6
7		500			RECEPT. - SOUND EQUIP.	- CAFETERIA			900		8
9			500			- E.D.F.		700			10
11				1180	EF4, 1/2 H.P.	- CAFETERIA	900				12
13		360			RECEPT. - W.P.ON ROOF	HAND DRYER			1000	20/2	14
15			700		PROJECTION SCREEN			1000			16
17				1500	WATER HEATER WH-1	HAND DRYER	1000			20/1	18
19									1000		20
21						SPARE				20/1	22
23											24
25											26
27											28
29											30

TOTAL LOADS: Ø A= 6,020 W 50 A Ø B= 4,880 W 41 A Ø C= 5,790 W 48 A

PANEL 'E2'

120/208 VOLTS 3 Ø 4 WIRE
225 A. BUSSING NO A. MAIN BKR.
42 CIRCUIT
BOLT-ON

10,000 BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
SURFACE MOUNTING (1) (3)

CIR.	BKR.	LOAD V.A. ØA	LOAD V.A. ØB	LOAD V.A. ØC	DESCRIPTION	DESCRIPTION	LOAD V.A. ØC	LOAD V.A. ØB	LOAD V.A. ØA	BKR.	CIR.
1	20/1	900			RECEPT. - CLRM.	RECEPT. - CLRM.			1080	20/1	2
3			1080					1260			4
5				1080			1080				6
7		900							900		8
9			1080					1080			10
11				1260			1080				12
13		1255			EC-1, 1/2 H.P. 8 .75W PUMP	- W.P.ON ROOF			540		14
15			1255			SPARE					16
17				1255		SPARE					18
19	1255					WATER HEATER, WH-1			1500		20
21			1255			SPARE					22
23				1255		HAND DRYER	1000			20/2	24
25		210			EXHAUST FANS				1000		26
27	25/2		1480		HC-1	HAND DRYER		1000		20/2	28
29				1480				1000			30
31						SPARE				20/1	32
33											34
35											36
37						T.V.S.S.				30/3	38
39											40
41											42

TOTAL LOADS: Ø A= 9,540 W 80 A Ø B= 9,670 W 81 A Ø C= 10,490 W 87 A

PANEL 'K'

120/208 VOLTS 3 Ø 4 WIRE
225 A. BUSSING NO A. MAIN BKR.
42 CIRCUIT
BOLT-ON

10,000 BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
FLUSH MOUNTING

CIR.	BKR.	LOAD V.A. ØA	LOAD V.A. ØB	LOAD V.A. ØC	DESCRIPTION	DESCRIPTION	LOAD V.A. ØC	LOAD V.A. ØB	LOAD V.A. ØA	BKR.	CIR.
1	20/1	900			RECEPT. - CAFETERIA, LOUNGE	RECEPT. - KITCHEN, LOUNGE			720	20/1	2
3			900			- VENDING MACHINE		1000			4
5	30/2			1235	HOT & COLD BUFFET CART		1000				6
7		1235				- OFFICE, JANITOR			770		8
9	20/1		600		RECEPT. - BRAISING PAN, RANGE			900			10
11				2000	- HEATING CABINET	-REFRIGERATOR	1130				12
13		2000				- BAKER'S TABLE			360		14
15			1045		- CORD REEL SLICER	-MICROWAVE		1500			16
17				360		-MILK COOLER	760				18
19		300			EXHAUST HOOD LIGHTS	- CONVECTION OVEN			1780		20
21			200		SMOKE DOOR HOLDERS			1780			22
23				100	CONTACTOR		1780				24
25					SPARE				1780		26
27								1780			28
29							1780				30
31	15/3	940			60 QT. MIXER	SPACE					32
33			940			RECEPT. - CORD REEL HEATING CAB'T		2000		20/1	34
35				940			2000				36
37											38
39											40
41											42

TOTAL LOADS: Ø A= 10,785 W 90 A Ø B= 12,645 W 105 A Ø C= 13,085 W 109 A

PANEL 'K2'

120/208 VOLTS 3 Ø 4 WIRE
225 A. BUSSING NO A. MAIN BKR.
42 CIRCUIT
BOLT-ON

10,000 BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
SURFACE MOUNTING (1)

CIR.	BKR.	LOAD V.A. ØA	LOAD V.A. ØB	LOAD V.A. ØC	DESCRIPTION	DESCRIPTION	LOAD V.A. ØC	LOAD V.A. ØB	LOAD V.A. ØA	BKR.	CIR.
1	20/1	500			SERVING LINE, CASH RECEPT. REGISTER	GARBAGE DISPOSAL			940	15/3	2
3			720		- MILK SECTION			940			4
5				720			940				6
7		1600			- COLD FOOD SECTION	RECEPT. - JANITOR TOILET			540	20/1	8
9			1600					540			10
11	30/1			2400	- HOT FOOD SECTION	- BUG ZAPPER	1200				12
13		2400				- MILK COOLER			760		14
15	20/1		1200		- BUG ZAPPER			760			16
17				500	- FIRE SUPPRESSION	- FUTURE DISHWASHER	1500				18
19		865			AIR CURTAIN	- LOUNGE			1020		20
21					SPARE	- REFRIGERATOR		1000			22
23				500	LANDSCAPE CONTROLLER	- U/C MICROWAVE	1000				24
25					SPARE						26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42

TOTAL LOADS: Ø A= 8,605 W 72 A Ø B= 7,260 W 61 A Ø C= 18,760 W 73 A

PANEL 'K3'

120/208 VOLTS 3 Ø 4 WIRE
100 A. BUSSING NO A. MAIN BKR.
30 CIRCUIT
BOLT-ON

10,000 BREAKER A.I.C.
5 3/4" MAX. ENCL. DEPTH
SURFACE MOUNTING

CIR.	BKR.	LOAD V.A. ØA	LOAD V.A. ØB	LOAD V.A. ØC	DESCRIPTION	DESCRIPTION	LOAD V.A. ØC	LOAD V.A. ØB	LOAD V.A. ØA	BKR.	CIR.
1	15/3	855			WALK-IN FREEZER COMPRESSOR	EF-5, 1 1/2 H.P.			720	15/3	2
3			855					720			4
5				855				720			6
7	15/2	180			WALK-IN REFRIGERATOR EVAP. COIL	EF-6, 2 H.P.			940	15/3	8
9			180					940			10
11	15/2			135	WALK-IN FREEZER EVAP. COIL		940				12
13		135				SF-1, 1 1/2 H.P.			720	15/3	14
15	20/1		700		EF-3, 1/4 H.P.			720			16
17				500	WALK-IN COOLER LIGHTS, HEATER		720				18
19		500			WALK-IN FREEZER LIGHTS, HEATER	WALK-IN REFRIGERATOR COMPRESSOR			420	15/3	20
21					SPARE			420			22
23							420				24
25											26
27											28
29	20/1			180	F.A. REPEATER PANEL						30

TOTAL LOADS: Ø A= 1,390 W 37 A Ø B= 1,455 W 37 A Ø C= 1,470 W 38 A

PANEL 'F2' SIMILAR

TYPICAL PANEL SCHEDULE NOTES:

1. IN ADDITION TO STANDARD EQUIPMENT GROUND BUS, PROVIDE AN INSULATED GROUND BUS FOR "ISOLATED GROUND RECEPTACLES."
2. LOCK-ON TYPE CIRCUIT BREAKER
3. PROVIDE DOUBLE-BARREL LUGS FOR DOUBLE NEUTRAL CONDUCTORS AS REQUIRED.
4. HOMERUN VIA CONTACTOR.

APPROVALS

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION NO. R. DSA
DATE MAR 11 1993
ALL RIGHTS OF this plan are reserved to the architect and/or engineer. Any revisions or omissions of information from approved plans must be approved by the architect and/or engineer.
Reviewed by

APPLICATION NUMBER
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Reviewed by

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REGISTERED ARCHITECT
L. PHIL KLASSEN
#C10401
Exp. 1-31-95
STATE OF CALIFORNIA

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Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

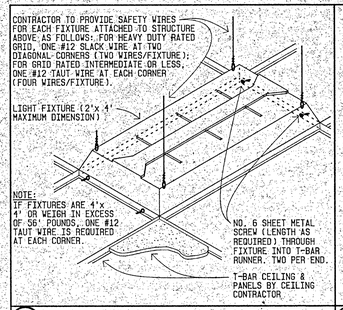
Sheet title: PANEL SCHEDULES

REGISTERED PROFESSIONAL ENGINEER
Bryce Carnahan
No. 17716
Exp. 9/30/93
Electrical
STATE OF CALIFORNIA

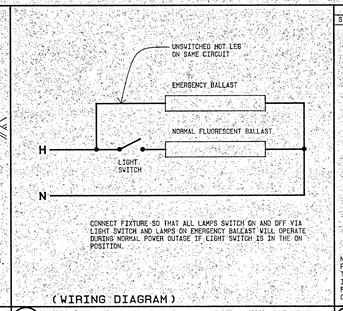
Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.
Job no: 1223
Dgn. file:
Sheet: E.14
Sheet of: 17
Date:

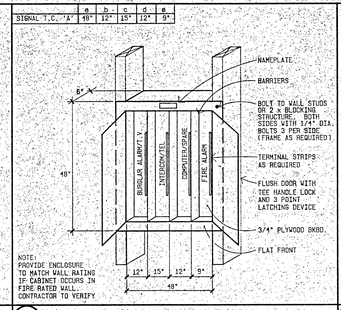


1 E-15 RECESSED FIXTURE MOUNTING NTS

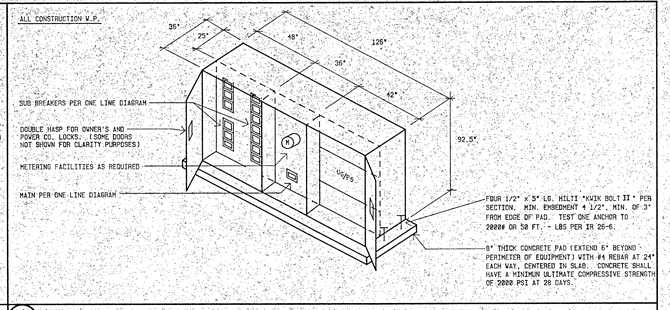


(WIRING DIAGRAM)

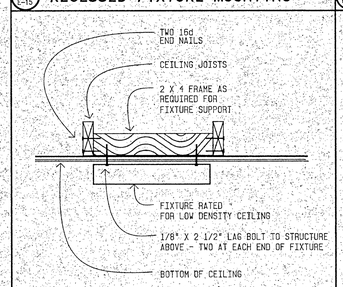
6 E-15 EMERGENCY FLUORESCENT FIXTURE NTS



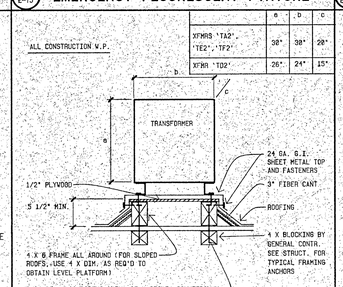
11 E-15 FLUSH SIGNAL T.C. NTS



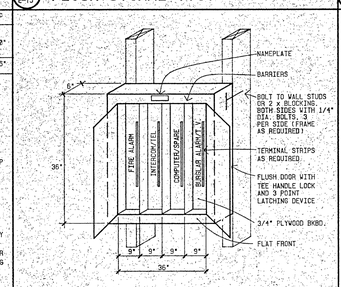
16 E-15 MAIN SWITCHBOARD 'MSB' NTS



4 E-15 SURFACE FIXTURE MOUNTING NTS

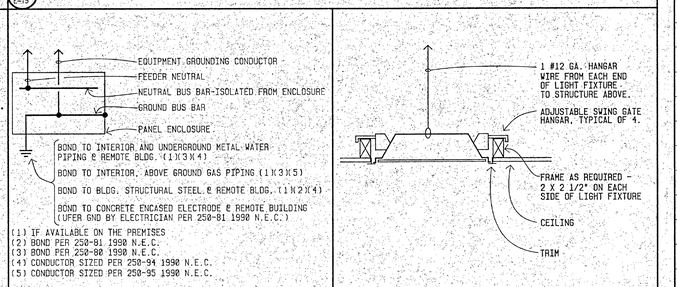


7 E-15 ROOF MOUNTED TRANSFORMER NTS



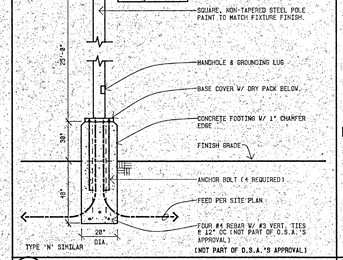
TYPICAL FOR SIGNAL T.C.'S "C,D,E, & F."

12 E-15 SURFACE SIGNAL T.C. NTS

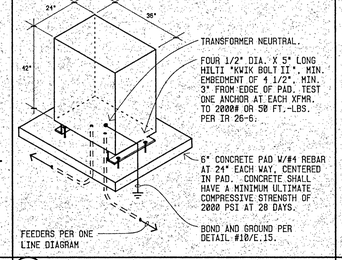


17 E-15 GROUNDING ELECTRODE SYSTEM FOR REMOTE BUILDINGS NTS

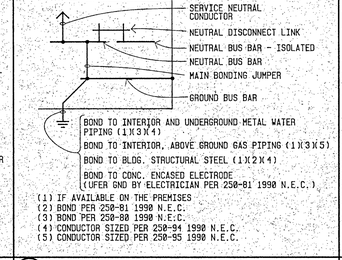
21 E-15 FIXTURE "W" MOUNTING NTS



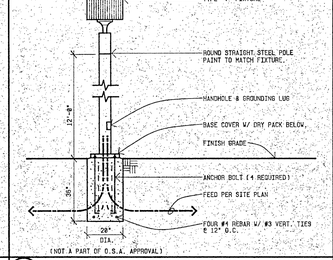
1 E-15 POLE FIXTURE MOUNTING NTS



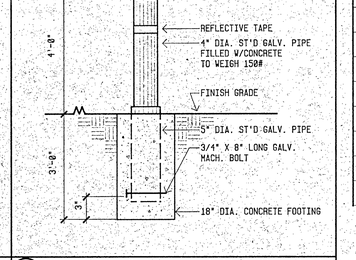
6 E-15 TRANSFORMER 'TDP' MOUNTING NTS



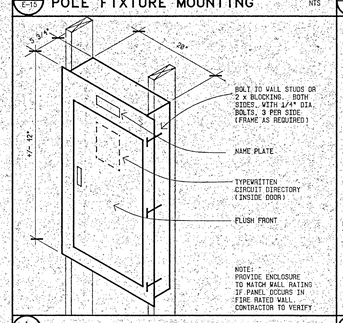
13 E-15 GROUNDING ELECTRODE SYSTEM NTS



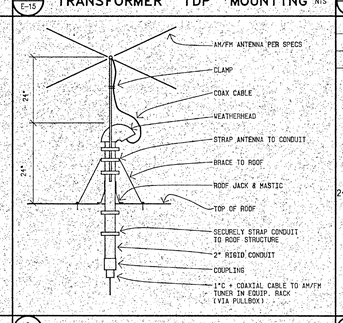
18 E-15 POLE FIXTURE MOUNTING NTS



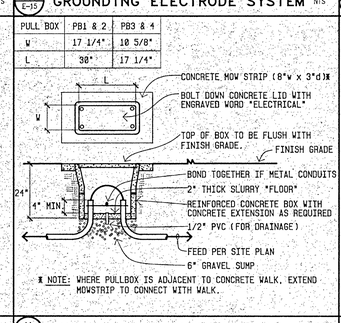
22 E-15 REMOVEABLE GUARDPOST DETAIL NTS



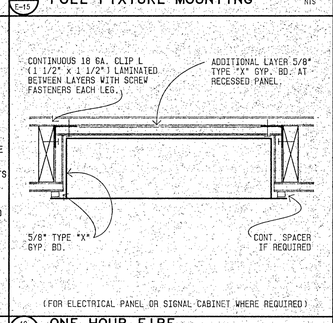
4 E-15 FLUSH MOUNTED PANEL NTS



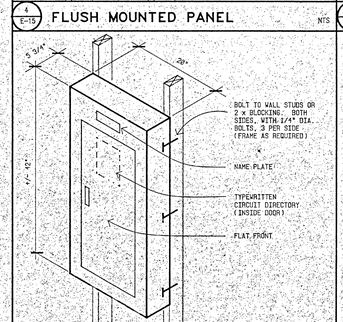
9 E-15 AM/FM ANTENNA MOUNTING DETAIL NTS



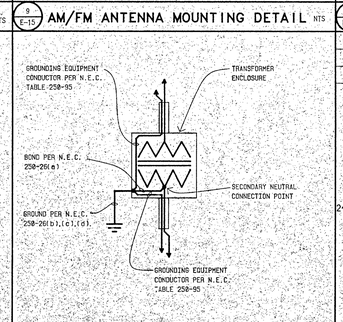
14 E-15 POWER PULL BOX "PPB" NTS



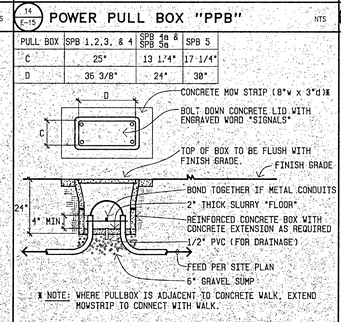
19 E-15 ONE HOUR FIRE RATED ENCLOSURE NTS



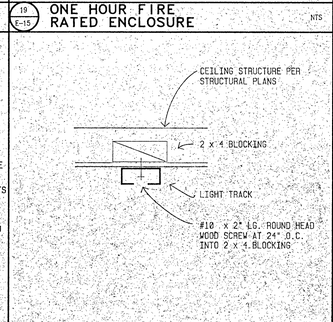
5 E-15 SURFACE MOUNTED PANEL NTS



10 E-15 TRANSFORMER BONDING AND GROUNDING DETAIL NTS



15 E-15 SIGNALS PULL BOX "SPB" NTS



20 E-15 FIXTURE "Y" MOUNTING NTS

ALL EQUIPMENT ANCHORAGE SHALL COMPLY WITH TITLE 24, PART 2 OF THE CALIFORNIA CODE OF REGULATIONS.

ALL ELECTRICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

FIXED EQUIPMENT ON GRADE — 20% OF OPERATING WEIGHT
FIXED EQUIPMENT ON STRUCTURE — 30% OF OPERATING WEIGHT

(FOR MULTI-PURPOSE BUILDINGS, PERCENT OF OPERATING WEIGHT SHALL BE 125% OF VALUES NOTED ABOVE.)

FOR FLEXIBLY MOUNTED EQUIPMENT, USE 4 X THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE = USE 1/3 X HORIZONTAL FORCE.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE FIELD REPRESENTATIVE OF THE OFFICE OF THE STATE ARCHITECT.

SEISMIC ANCHORAGE REQUIREMENTS

FIXTURE SCHEDULE

FIXTURE SYMBOL (3-A-150): 3 = CIRCUIT NUMBER, A = FIXTURE TYPE, 150 = FIXTURE WATTAGE.
ALL FLUORESCENT LAMPS TO BE T8, 265 ma. SYLVANIA "OCTRON" F032 3500K, GE "TRIMLINE" F32T8 OR APPROVED EQUAL (U.O.N.)
ALL FLUORESCENT BALLASTS TO BE SOLID STATE "ELECTRONIC" TYPE, (U.O.N.) (11).

TYPE	WATTS	LAMPS	VOLT	MANUFACTURER	CATALOG NO.	MOUNT	NOTES:
A	216	6F032	277V	COLUMBIA	TWO 4PS2G-52-243	FLUSH T-BAR	(1), (2) PER DETAIL #1/E15
B	144	4F032	120V	COLUMBIA	P4-244F-43483 -1	RECESS	
C	144	4F032	277V	LITHONIA	AW440AR	SURF.	
D	115	3F032		COLUMBIA	4PS2G-52-243	FLUSH T-BAR	(1)
F	72	2F032		FAILSAFE	FWS-2/40 - ESB	SURF.	
G	144	4F032		COLUMBIA	4PS2G-52-244	FLUSH T-BAR	
H	72	2F032		LITHONIA	AW240AR	SURF.	
J	144	4F032		COLUMBIA	4PS2F-52-244	RECESS	
K	30	1GT26		PRESCOLITE	CF123526-B462	RECESS	
L	72	2F032		LA LIGHTING	STR-200-2-4R	SURF.	(5)
M	302	250W HPS		QUALITY	SJ-24-3-HPS-250-277	POLE	TYPE 3 DISTRIBUTION PER DETAIL #3/E15
N	302	250W HPS		QUALITY	SJ-24-2-HPS-250-277	POLE	TYPE 2 DISTR. PER DETAIL #3/E15
P	44	35W HPS		FAILSAFE	HDR-35S-277-93/85	RECESS	FLAT LENS
Q	83	70W HPS		MOLDCAST	MOL-1-09-70 TPH	WALL +12'-0" U.O.N.	
R	72	2F40 T12RS		LITHONIA	AW240AR-DIM	SURF	(6)
S	30	INCL.		DUAL-LITE	EZ-2/VRS-4X	WALL	EMERGENCY (4) LIGHTING FIXTURE
T	72	2F032		COLUMBIA	4PS2G-52-242	FLUSH T-BAR	(1)
V	83	70W HPS		MOLDCAST	52120-27-BZP-LEX	POLE	PER DETAIL #18/E15
W	72	2F032		COLUMBIA	4PS2F-52-142	RECESS	PER DETAIL #21/E15
X	—	—		SRBT	171-G-20-CSEWH	WALL	SELF-LUMINOUS EXIT SIGN
X2	—	—		SRBT	171-RM-G-20-CSEWH	WALL	SELF-LUMINOUS LOW LEVEL EXIT SIGN (3)
Y	—	—	120V	PRESCOLITE	SERIES TT	SURF	(7), (10)
Z	250	Q250W PAR 38 SP		PRESCOLITE	T144/T94	TRACK	(8), (10)
AA	43	1F40W T12RS		ALKCO	1146-RSW	SURF.	MOUNT BELOW UPPER CABINET
AB	250	Q250W PAR38FL		PRESCOLITE	84-832	RECESS	(9)
AC	150	Q150 PAR38FL		PRESCOLITE	84-832	RECESS	
AD	85	70W HPS	277V	IMPERIAL BRONZELITE	GM-4070-HP-H DSCGM4200	GROUND	SIGN LIGHT
AE	100	100W A19	120V	PRESCOLITE	WB-2	WALL ABOVE DOOR	
AF	604	2-250W HPS	277V	QUALITY	TWO SJ-24-3-HPS-250-277	POLE	PER DETAIL #3/E15
AG	63	2F032	277V	NORTHERN LIGHT	SPBN-G24-R2/NR/277	WALL +13'-0"	

FIXTURE SCHEDULE NOTES:

(1) SOME FIXTURES SHALL BE EQUIPPED WITH EMERGENCY BATTERY PACK. PULL UNSWITCHED HOT LEG TO FIXTURE. SEE DETAIL #6/E15. REFER TO LIGHTING PLAN FOR EXACT LOCATIONS.

(2) MASTER/SLAVE FIXTURES WITH FACTORY PREWIRED INTERTIE CABLE, LENGTH AS REQUIRED.

(3) MOUNT LOW LEVEL EXIT SIGN ( ) AS FOLLOWS: MOUNT BOTTOM OF SIGN AT +6" A.F.F. BUT NOT MORE THAN +8" A.F.F. AND EDGE OF SIGN WITHIN 4" OF DOOR FRAME OR ADJACENT TO THE DOOR.

(4) OMIT VANDAL SHIELD AT LIGHT FIXTURE ON STAGE.

(5) MOUNT ON SIDE WALL OF SMOKE HATCH WELL.

(6) FIXTURE SHALL BE EQUIPPED WITH DIMMING BALLAST IN LIEU OF ELECTRONIC BALLAST.

(7) PROVIDE TWO TWO CIRCUIT TRACKS (SIDE BY SIDE) OR ONE FOUR CIRCUIT TRACK AND ALL NECESSARY CONNECTORS AND MOUNTING HARDWARES AS REQ'D. LENGTHS AND CONFIGURATION PER LIGHTING PLAN, SHEET #E.2.

(8) PROVIDE THE FOLLOWING COLOR FILTERS: EIGHTEEN RED, EIGHTEEN BLUE AND EIGHTEEN GREEN.

(9) PROVIDE SIX (6) SLOPED CEILING ADAPTORS FOR TYPE 'AB' FIXTURES MOUNTED IN SLOPED CEILINGS. PRESCOLITE #SCAB-22°-DRY.

(10) VERIFY FINISH WITH ARCHITECT.

(11) ALL ELECTRONIC BALLASTS SHALL COMPLY WITH THE LATEST P.G. & E. ENERGY EFFICIENCY REQUIREMENTS FOR POWER FACTOR, BALLAST FACTOR AND TOTAL HARMONIC DISTORTION.

APPROVALS

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
(APPLICANT PER M. THE KING)
5916.2 MAR 11 93
All PLANS of this plan does not assume responsibility for any omission or deviations from applicable regulations.
Reviewed by

CERTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
A5916.2
Reviewed By

KLASSEN CORPORATION
Architecture
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2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
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REGISTERED ARCHITECT — L. PHIL KLASSEN — #C10401 — Exp. 1-31-95 — STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

Sheet title: FIXTURE SCHEDULE AND DETAILS

REGISTERED PROFESSIONAL ENGINEER — Gerald Carnahan — No. 7198 — Exp. 9/30/93 — Electrical — STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.
Job no: 1223
Dgn. file:
Sheet: E.15
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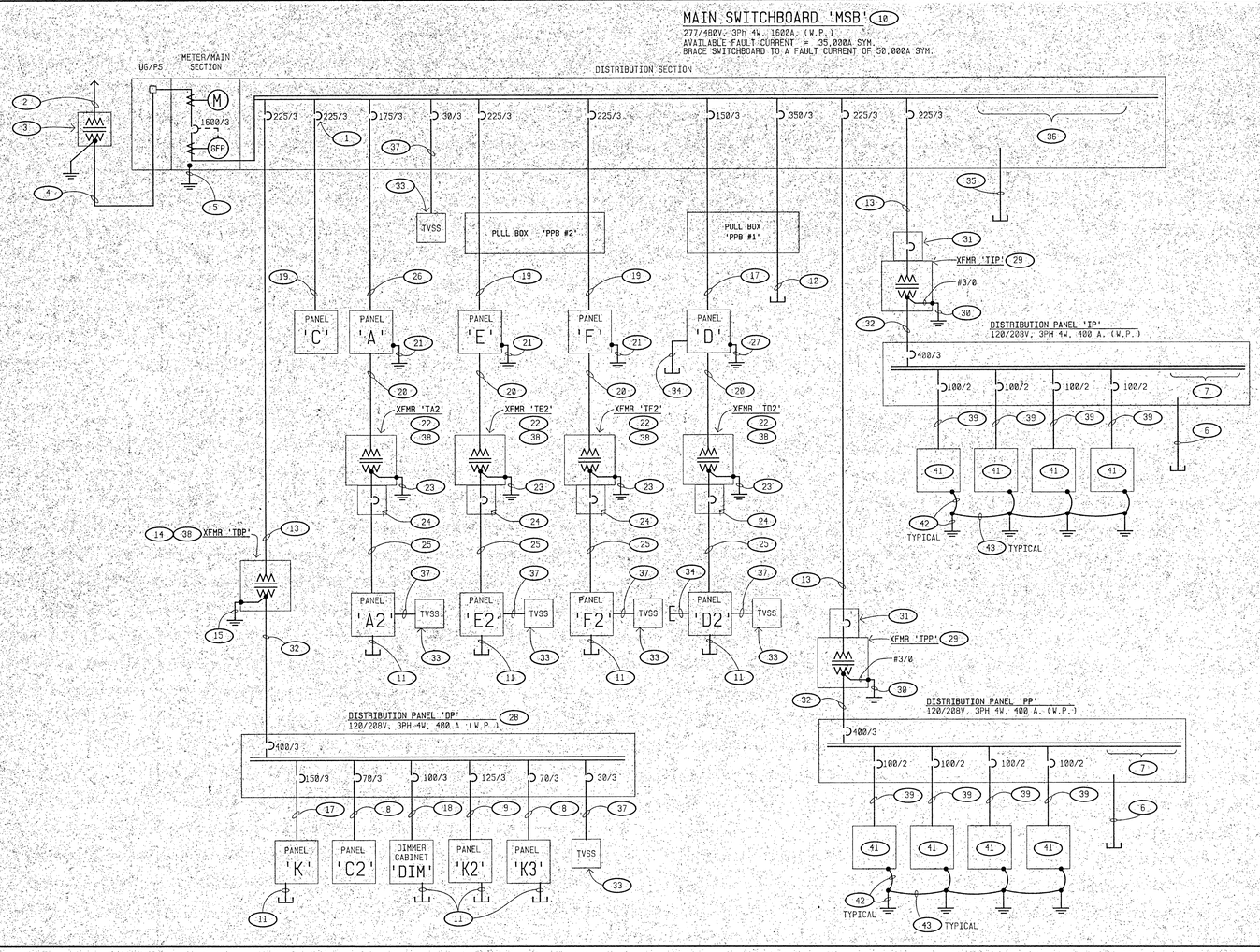


1 / E-16 ONE LINE DIAGRAM — NO SCALE

ONE LINE DIAGRAM NOTES:

(ALL CONDUCTORS SHALL BE THWN-CU, U.O.N.)

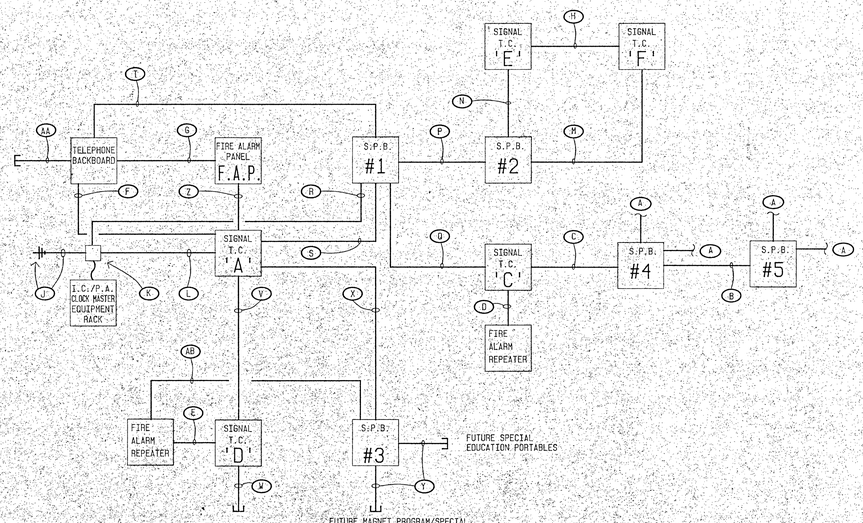
1. CURRENT LIMITING CIRCUIT BREAKER TO LIMIT LET-THRU CURRENT TO 14,000 A.I.C.
2. TWO 4" PRIMARY CONDUITS TO P.G.& E. FACILITIES. VERIFY EXACT SERVICE CONNECTION POINT WITH P.G.& E.
3. P.G.& E. PAD MOUNTED TRANSFORMER. PAD AND BARRIER POSTS BY ELECTRICAL CONTRACTOR PER P.G.& E. REQUIREMENTS.
4. FIVE 5" SECONDARY CONDUITS.
5. 1 #3/0 TO GROUNDING ELECTRODES PER DETAIL #13/E15.
6. FOUR 1 1/4"C STUBS FOR FUTURE PORTABLE CLASSROOM BUILDINGS. CAP AND TAG.
7. SPACE FOR A MINIMUM OF FOUR 100/2 CIRCUIT BREAKERS. PROVIDE MOUNTING HARDWARE FOR FUTURE CONNECTIONS.
8. 1 1/4"C - 4 #4 + 1 #8 GND
9. 2"C - 4 #1 + 1 #6 EQUIP. GND + 1 #6 ISO. GND
10. SHORT CIRCUIT CURRENT INTERRUPTING RATING OF ALL CIRCUIT BREAKERS IN 'MSB' SHALL BE 42K A.I.C.
11. TWO 1" CONDUIT STUBS INTO ACCESSIBLE ATTIC SPACE. CAP AND TAG.
12. TWO 3 1/2"C STUBS FOR FUTURE "MAGNET PROGRAM" AND "SPECIAL EDUCATION" PORTABLE CLASSROOM BUILDINGS. CAP AND TAG.
13. 2 1/2"C - 3 #4/0 + 1 #4 GND.
14. TRANSFORMER 'TDP' SHALL BE RATED AT 480:120/208V 3ϕ 4W, 150 KVA, NEMA 3R.
15. 3/4"C - 1 #2/0 TO GROUNDING ELECTRODES PER DETAIL #10/E15.
16. NOT USED.
17. 2"C - 4 #1/0 + 1 #6 GND.
18. 1 1/2"C - 4 #2 + 1 #8 GND.
19. 2 1/2"C - 4 #4/0 + 1 #4 GND.
20. 1 1/4"C - 3 #4 + 1 #8 GND.
21. 3/4"C - 1 #2 TO GROUNDING ELECTRODES PER REMOTE BUILDING GROUNDING ELECTRODE SYSTEM, DETAIL #17/E15.
22. TRANSFORMERS 'TA2', 'TD2', 'TE2' AND 'TF2' SHALL BE RATED AT 480:120/208V 3ϕ 4W, 45 KVA, NEMA 3R.
23. 3/4"C - 1 #4 TO GROUNDING ELECTRODES PER TRANSFORMER BONDING AND GROUNDING DETAIL #10/E15.
24. 150/3 SECONDARY CIRCUIT BREAKER IN A NEMA 3R ENCLOSURE AT TRANSFORMER.
25. ✱ 2 1/2"C - 5 #2/0 + 1 #6 EQUIP. GND + 1 #6 ISO. GND.
26. 2"C - 4 #2/0 + 1 #6 GND.
27. 3/4"C - 1 #4 TO GROUNDING ELECTRODES PER REMOTE BUILDING GROUNDING ELECTRODE SYSTEM, DETAIL #17/E15.
28. PANEL SHALL BE EQUIPPED WITH AN ISOLATED GROUND BUS AND HAVE SPACE FOR TWO 125/3 CIRCUIT BREAKERS.
29. TRANSFORMERS 'TPP' AND 'TIP' SHALL BE RATED AT 480:120/208V 3ϕ 4W, 150 KVA, NEMA 3R.
30. 1 #6 TO 5/8" DIAMETER x 10' LONG COPPER-CLAD GROUND ROD.
31. 225/3 PRIMARY ENCLOSED CIRCUIT BREAKER, NEMA 3R.
32. TWO 2 1/2"C - 4 #3/0 + 1 #2 GND. IN EACH.
33. TRANSIENT VOLTAGE SURGE SUPPRESSION, PANEL MOUNT TYPE, PER SPECIFICATIONS.
34. ONE 1 1/2"C STUB FOR FUTURE "HEAD START" PORTABLE CLASSROOM BUILDING. CAP AND TAG.
35. THREE 3"C STUBS. CAP AND TAG.
36. SPACE FOR MINIMUM OF THREE 225/3 CIRCUIT BREAKERS. PROVIDE MOUNTING HARDWARE FOR FUTURE CONNECTIONS.
37. 3/4"C - 4 #10 + 1 #10 GND
38. XFMR SHALL HAVE A K-FACTOR RATING OF 4 PER ANSI.IEEE C57.110-1986.
39. 1 1/4"C - 3 #2 + 1 #8 GND
40. 2"C - 6 #2 + 1 #8 GND
41. 100 AMP 120/208V 1Ø 3W SUB-PANEL SUPPLIED WITH PORTABLE CLASSROOM BUILDING. VERIFY EXACT LOCATION WITH BUILDING SUPPLIER.
42. 1/2"C - 1 #6 TO PORTABLE BUILDING GROUNDING ELECTRODE SYSTEM PER DETAIL # 2/E.12.
43. RUN 1 #2 BARE CONDUCTOR BETWEEN ADJACENT GROUND RODS. MINIMUM COVER OF 18".

✱ NOTE: FEEDERS SHOWN WITH 5 WIRES + GROUNDS HAVE TWO NEUTRAL CONDUCTORS.

SERVICE CALCULATION:

	PROPOSED	FUTURE
LIGHTING x 125%	84 KVA	41 KVA
RECEPTACLES (FIRST 10 KW x 100%, REMAINDER x 50%).	41 KVA	14 KVA
H.V.A.C. x 100%	363 KVA	190 KVA
MISCELLANEOUS x 100%	34 KVA	6 KVA
KITCHEN EQUIPMENT x 65%	61 KVA	
STAGE LIGHTING x 100%	17 KVA	
SUB-TOTAL	600 KVA	245 KVA
TOTAL	845 KVA	
AT 277/480V, 3 PH 4 W	1,018 AMPS	

THEREFORE A 1600 AMP SWITCHBOARD IS ADEQUATE.



2 / E-16 SIGNALS LINE DIAGRAM — NO SCALE

SIGNALS LINE DIAGRAM NOTES:

A. REFER TO PARTIAL SITE ELECTRICAL PLAN, SHEET #E.1a FOR CONDUIT AND WIRING/CABLING REQUIREMENTS.

B. 1"C - 8 #12, 4 #14 (FIRE ALARM). 4 #12 ARE FOR FUTURE INTERMEDIATE PORTABLES, SIG.CKT #4f. LEAVE 25' OF ADDITIONAL WIRE LENGTH COILED UP AND TAPED OFF INSIDE S.P.B. #5; 3/4"C - FOUR I.C. CABLES (INTERCOM); AND A SPARE 3/4"C (FOR FUTURE I.C. CABLES); 1 1/4"C (TELEVISION); 1 1/4"C (BURGLAR ALARM); 1 1/4"C (COMPUTER); 1 1/4"C (SPARE).

C. 1"C - 12 #12, 4 #14 (FIRE ALARM). 4 #12 ARE FOR THE FUTURE PRIMARY PORTABLES, SIG.CKT: #4e. LEAVE 25' OF ADDITIONAL WIRE LENGTH COILED UP AND TAPED OFF INSIDE S.P.B. #4; 1"C - EIGHT I.C. CABLES (INTERCOM) AND A SPARE 1"C (FOR FUTURE I.C. CABLES); 1 1/2"C (TELEVISION); 1 1/4"C (BURGLAR ALARM); 1 1/2"C (SPARE); 1 1/2"C (COMPUTER).

D. 1"C - 12 #12 (FIRE ALARM).

E. 3/4"C - 6 #12 (FIRE ALARM)

F. 1 1/2"C (TELEPHONE); 1 1/2"C (BURGLAR ALARM).

G. 1"C (TELEPHONE).

H. 3/4"C - 4 #12 (FIRE ALARM).

J. RUN 1"C TO ROOF FOR CONNECTION TO AM/FM ANTENNA. PROVIDE ANTENNA AND RELATED WORK PER DETAIL #9/E15.

K. PROVIDE A 18"W x 18"H x 4" DEEP SCREW COVER CAN WITH THREE 3" DIAMETER GROMMETED OPENINGS IN COVER. MOUNT FLUSH IN WALL BEHIND EQUIPMENT RACK AT +12" A.F.F. TO BOTTOM OF CAN.

L. 2 1/2"C - 40 I.C. CABLES. RUN IN ATTIC SPACE.

M. 3/4"C - 4 #12, 4 #14 (FIRE ALARM); 1 1/4"C - 10 I.C. CABLES (INTERCOM); 1"C (TELEVISION); 1"C (BURGLAR ALARM); 1 1/4"C (COMPUTER); 1"C (SPARE).

N. 1"C - 2 #10, 6 #12, 6 #14 (FIRE ALARM); 1 1/4"C - 10 I.C. CABLES (INTERCOM); 1"C (TELEVISION); 1"C (BURGLAR ALARM); 1 1/4"C (COMPUTER); 1"C (SPARE).

P. 1"C - 2 #10, 6 #12, 6 #14 (FIRE ALARM); 1 1/2"C - 20 I.C. CABLES (INTERCOM); 1 1/2"C (TELEVISION); 1 1/2"C (BURGLAR ALARM); 1 1/2"C (COMPUTER); 1 1/2"C (SPARE).

Q. 1 1/4"C - 14 #12, 12 #14 (FIRE ALARM); 2"C - 27 I.C. CABLES (INTERCOM); 1 1/2"C (TELEVISION); 1 1/2"C (BURGLAR ALARM); 1 1/2"C (COMPUTER); 1 1/2"C (SPARE); 1 1/4"C (TELEPHONE).

R. TWO 2"C - 47 I.C. CABLES (INTERCOM). RUN CABLES TO RACK VIA NOTE (K)

S. 1 1/4"C - 2 #10, 20 #12, 18 #14 (FIRE ALARM); 2"C (TELEVISION); 2"C (COMPUTER); 2"C (SPARE).

T. 2"C (BURGLAR ALARM).

V. 1"C - 6 #12, 6 #14 (FIRE ALARM); 1"C - 8 I.C. CABLES (INTERCOM); 1"C (TELEVISION); 1"C (BURGLAR ALARM); 1"C (COMPUTER); 1"C (SPARE).

V. 3/4"C (FIRE ALARM); 3/4"C (INTERCOM); 3/4"C (TELEVISION); 3/4"C (BURGLAR ALARM); 1"C (COMPUTER); 1"C (SPARE); CAP AND TAG ALL STUBS.

X. 1"C (FIRE ALARM); 1 1/2"C (INTERCOM); 1 1/2"C (FUTURE I.C.) FOUR 1 1/2"C (TELEVISION/BURGLAR ALARM/COMPUTER/SPARE).

Y. 1"C (FIRE ALARM); 1"C (INTERCOM); FOUR 1 1/4"C (TELEVISION/BURGLAR ALARM/COMPUTER/SPARE). CAP AND TAG ALL STUBS.

Z. 2"C - 2 #10, 16 #24, 34 #24.

AA. 1"C. CAP AND TAG.

AB. 1"C - (FIRE ALARM).

APPROVALS

APPROVED BY THE DIVISION OF THE STATE ARCHITECT
DSA 6,593
ACCESSIBILITY APPROVAL

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPLICATION PER W. IC.D SOKS
59162 MAR 11 93
APPROVAL of this plan does not authorize a violation of any provision or omission of any applicable regulations.
Reviewed by

DSA/FIRE & LIFE SAFETY
Department of General Services
Office of the State Architect
MAR 17 1993
PORTION 1
Structural Safety Section
Appl. # 59162
Reviewed by

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

REGISTERED ARCHITECT
L. PHIL KLASSEN
#C10401
Exp. 1-31-95
STATE OF CALIFORNIA

The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.
Written dimensions on these drawings shall have precedence over scaled dimensions. contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

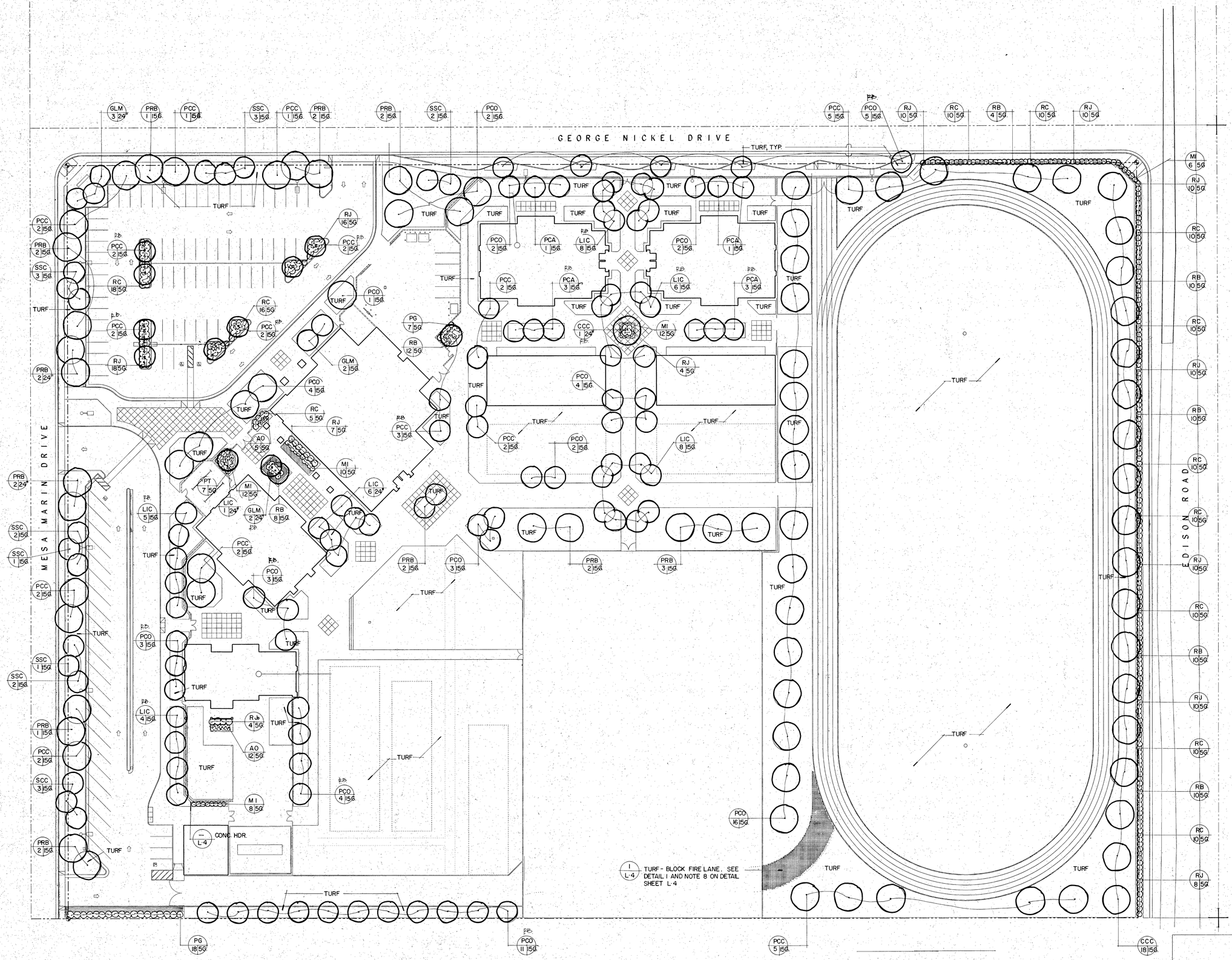
Sheet title: ONE LINE, SIGNALS LINE, AND FIRE ALARM WIRING DIAGRAMS

REGISTERED PROFESSIONAL ENGINEER
David Carpenter
No. 7198
Exp. 9/30/93
Electrical
STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.T.S.
Job no: 1223
Dgn. file:
Sheet: E.16
Sheet of: 17
Date:



LANDSCAPE PLAN

1"=30'-0"

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

LICENSED ARCHITECT L. PHIL KLASSEN C10401 REN 1-31-95 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

Sheet title: **LANDSCAPE PLAN**

LANDSCAPE ARCHITECTURE
RALPH ADAME A.S.L.A.
LANDSCAPE ARCHITECT #2000
5405 STOCKDALE HWY. #207
BAKERSFIELD, CALIF. 93309
(805) 397-6661

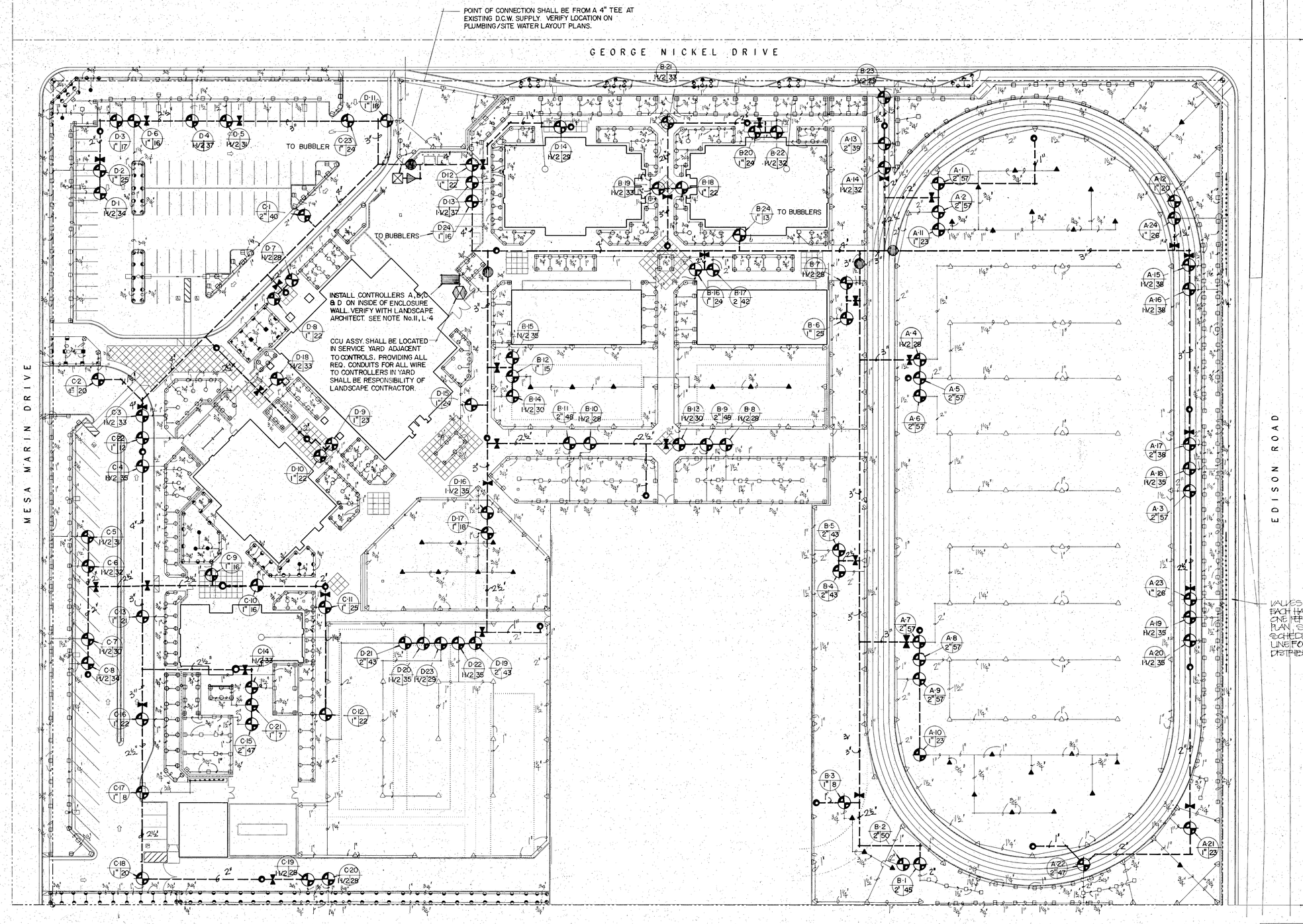
REGISTERED LANDSCAPE ARCHITECT RALPH ADAME No. 2000 SIGNATURE DATE STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.A.
Job no: 1223
9211.063
Dgn. file:
Sheet: **L-1**
Sheet of: 28
Date: 12-22-92

PORTION 1
Department of General Services
Office of the State Architect
Structural Safety Section



IRRIGATION PLAN

1"=30'-0"

north

PORTION 1

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

LICENSED ARCHITECT L. PHIL KLASSEN C10401 REN. 4-31-95 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.
Sheet title: IRRIGATION PLAN

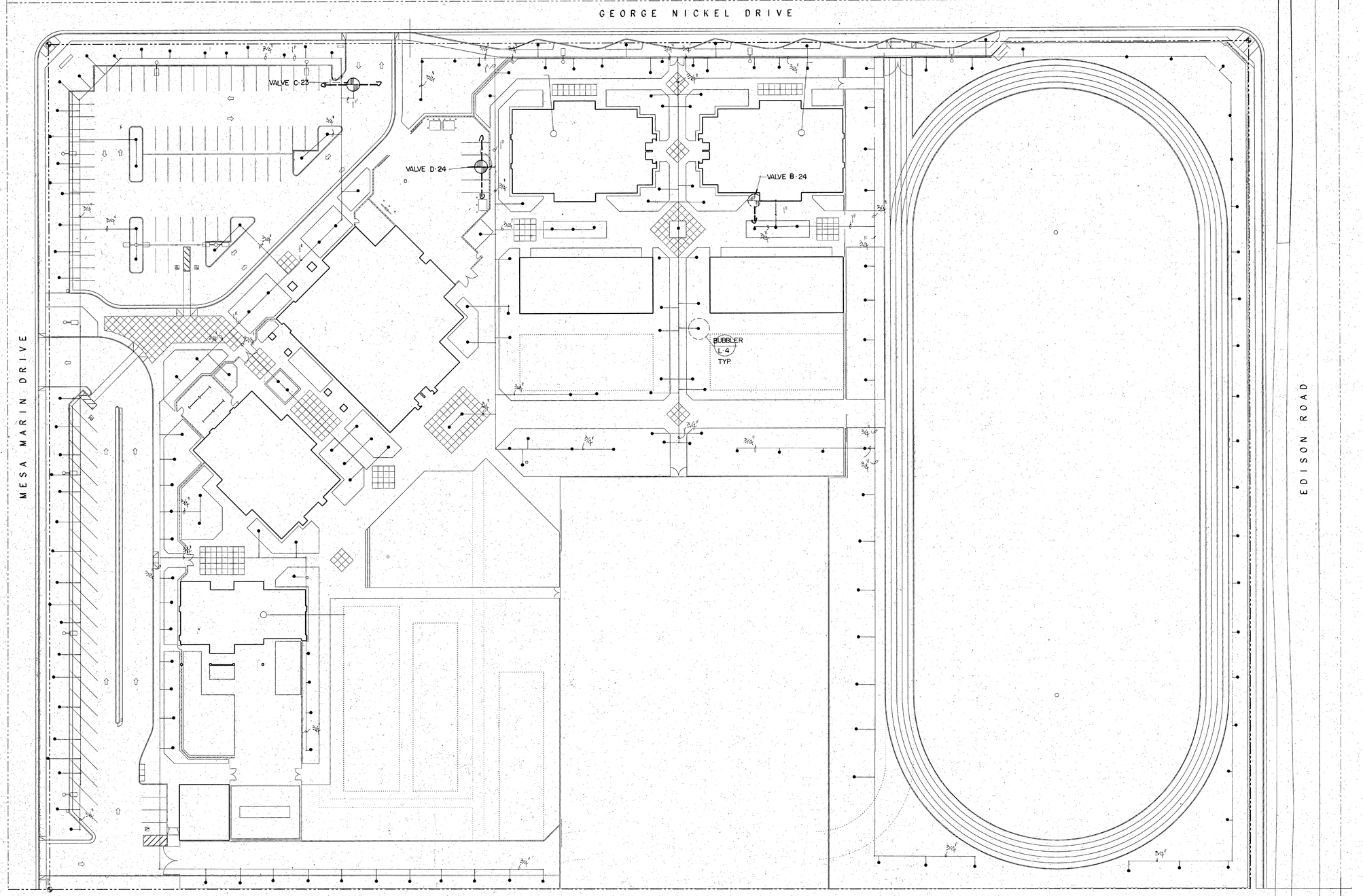
LANDSCAPE ARCHITECTURE
RALPH ADAME A.S.L.A.
LANDSCAPE ARCHITECT #2000
5405 STOCKDALE HWY. #207
BAKERSFIELD, CALIF. 93309
(805) 397-6661

REGISTERED LANDSCAPE ARCHITECT RALPH ADAME No. 2000 EXPIRATION DATE 3-31-93 STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:

Drawn by: R.A.
Job no: 1223
Dgn. file: 9211.063
Sheet: L-2
Sheet of: 28
Date: 12-22-92



IRRIGATION PLAN - TREE BUBBLERS

1"=30'-0"

north

PORTION 1

Department of General Services
Office of the State Architect
Structural Safety Section

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

LICENSED ARCHITECT
L. PHIL KLASSEN
C10401
STATE OF CALIFORNIA

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Written dimensions on these drawings shall have precedence over scaled dimension; contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CA.

Sheet title:
IRRIGATION PLAN TREE BUBBLERS

LANDSCAPE ARCHITECTURE
RALPH ADAME A.S.L.A.
LANDSCAPE ARCHITECT #2000
5405 STOCKDALE HWY. #207
BAKERSFIELD, CALIF. 93309
(805) 327-6664

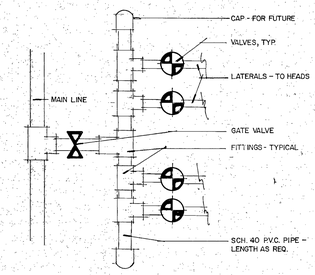
REGISTERED LANDSCAPE ARCHITECT
RALPH ADAME
No. 2000
SIGNATURE
DATE
STATE OF CALIFORNIA

Date:	Issued for:

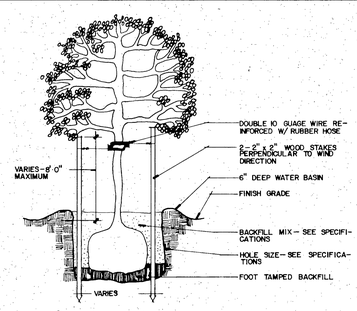
Date:	Revisions:

Drawn by: R.A.
Job no: 1223
Dgn. file: 9211.063
Sheet: **L-3**
Sheet of: 28
Date: 12-22-92

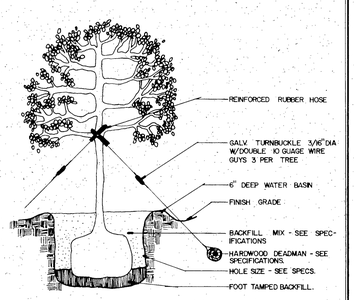
LANDSCAPE DETAILS



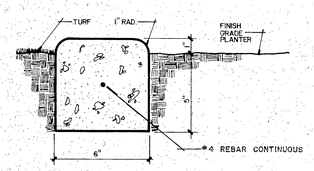
TYP. IRRIGATION MANIFOLD ASSEMBLY



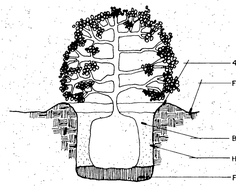
TREE STAKING / PLANTING DETAIL



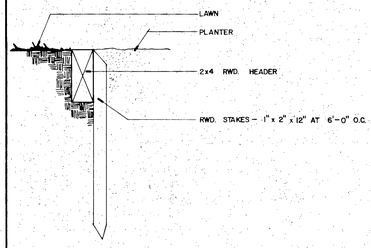
TREE GUYING / PLANTING DETAIL



CONCRETE MOWSTRIP



SHRUB PLANTING DETAIL



HEADER DETAIL

LANDSCAPE SCHEDULE

PLANT SYMBOL / QUANTITY / SIZE CONTAINER

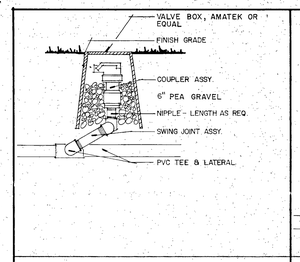
SYM	SIZE	BOTANICAL NAME	COMMON NAME
		TREES	
CCC	15G	CINNAMOMUM CAMPHORA	CAMPHOR-TREE
GLM	15G, 24"	GINKGO BILOBA	MAIDENHAIR TREE
LIC	15G, 24"	LAGERSTROEMIA INDICA 'PUREA'	CRAPE MYRTLE
PCA	15G.	PRUNUS CERASIFERA 'ATROPURPUREA'	FLOWERING PLUM
PEC	15G.	PISTACIA CHINENSIS	CHINESE ELM
PCO	15G	PYRUS CALLERYANA 'ARISTOCRAT'	ORNAMENTAL PEAR
PPD	15G, 24"	PLATANUS RACEMOSA 'BLOODGOOD'	CALIFORNIA SYCAMORE
SSC	15G.	SEQUOIA SEMPERVIRENS	COAST REDWOOD
		SHRUBS	
AD	5G.	AGAPANTHUS 'PETER PAN'	DWARF LILY OF THE NILE
MI	5G.	MORAEA IRIDIOIDES	FORTNIGHT LILY
PG	5G	PHOTINIA GLABRA	JAPANESE PHOTINIA
PB	5G	RAPHIOLEPIS INDICA 'BALLERINA'	INDIA HAWTHORN
RC	5G	RAPHIOLEPIS INDICA 'COATES CRIMSON'	INDIA HAWTHORN
PJ	5G.	RAPHIOLEPIS INDICA 'J. EVENS'	INDIA HAWTHORN
		GROUND COVERS	
	FLATS	HYPERICUM CALYCINUM	AARON'S BEARD 2 1/2" oc
	FLATS	VINCA MINOR	DWARF PERIWINKLE 6" oc
		TURF	
		COMMON BURMUDA HYDROSEEDED - SEE SPECIFICATIONS	

LANDSCAPE NOTES:

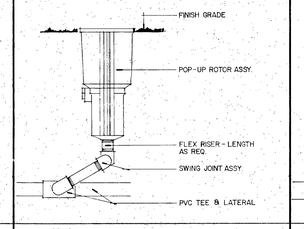
1. THERE SHALL BE NO DELETIONS OR SUBSTITUTIONS WITHOUT THE APPROVAL OF THE LANDSCAPE ARCHITECT.
2. INSTALL ALL MATERIAL AS CALLED OUT IN DETAILS AND AS PER SPECIFICATIONS.
3. GROUNDCOVERS TO EXTEND UNDER AND AROUND ALL SHRUBS AND SHALL BE TRIANGULAR SPACED.
4. ALL TREES IN TURF AREAS TO RECEIVE TRUNK GUARDS BY 'ARBOR GARD' AS MANUFACTURED BY DEEP ROOT CORP., WESTMINSTER, CA 92683, (714) 848-0563. INSTALL AS PER MANUFACTURERS SPECIFICATIONS. AN APPROVED EQUAL MAY BE SUBSTITUTED.
5. RELOCATE PLANT MATERIALS TO ACCOMODATE LIGHT STANDARDS IN PLANTERS IF NECESSARY. LANDSCAPE ARCHITECT TO HAVE FINAL APPROVAL.
6. R.B.- INDICATES TREES TO HAVE 'DEEP ROOT' CONTROL BARRIERS. BARRIERS TO BE 24" AS MANUFACTURED BY DEEP ROOT CORP., WESTMINSTER, CA 92683, (714) 898-0568, OR AN APPROVED EQUAL. INSTALL AS PER MANUFACTURERS SPECIFICATIONS.
7. ALL GROUNDCOVERS ON SLOPED AREAS SHALL RECEIVE A LAYER OF JUTE MESH. SECURE WITH METAL PINS OR AS PER MANUFACTURERS RECOMMENDATIONS. MATERIAL SHALL BE GEOJUTE BY BELTON INDUSTRIES, INC., (800) 225-4099, OR AN APPROVED EQUAL.
8. FIRE LANE PAVING SHALL BE 'TURF-BLOCK' PAVERS AS MANUFACTURED BY ACKER-STONE, (800) 258-2353. VERIFY WITH MANUFACTURER FOR INSTALLATION REQUIREMENTS. SEE DETAIL 1, THIS SHEET.
9. ALL PLANTER BEDS NOT HAVING GROUND COVERS SHALL RECEIVE A 2" LAYER OF WALK-ON SHREDDED BARK. EXTEND UNDER ALL PLANTS.

REGISTERED LANDSCAPE ARCHITECT RALPH ADAME No. 2000 SIGNATURE DATE STATE OF CALIFORNIA

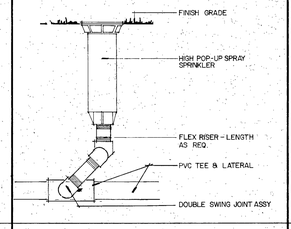
IRRIGATION DETAILS



QUICK COUPLER



TYP. ROTORY LAWN HEAD



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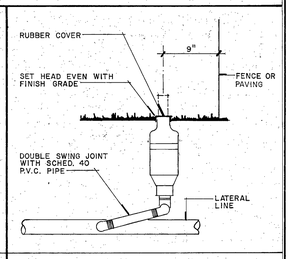
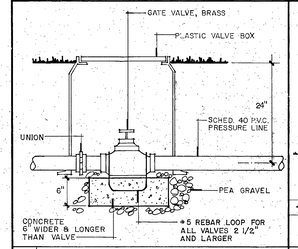
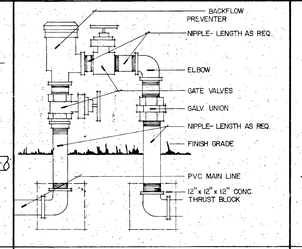


R70 ROTOR HEAD



GATE VALVE



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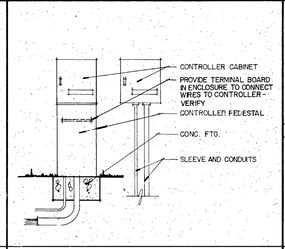
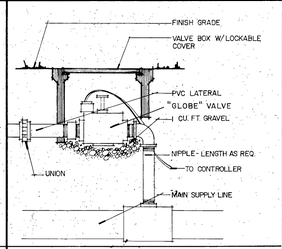
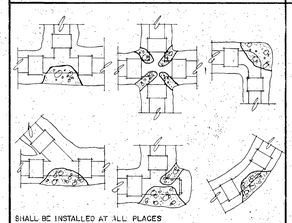


CONTROLLER : WALL & PED.

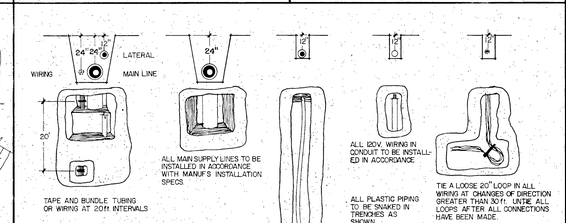


REMOTE CONTROL VALVE



SHALL BE INSTALLED AT ALL PLACES WHERE A CHANGE OF DIRECTION OCCURS AT ALL SIZES IN THE SCH. 40 MAIN LINE.

THRUST BLOCK



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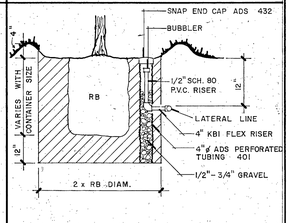
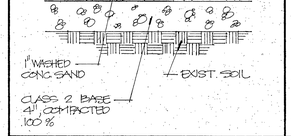
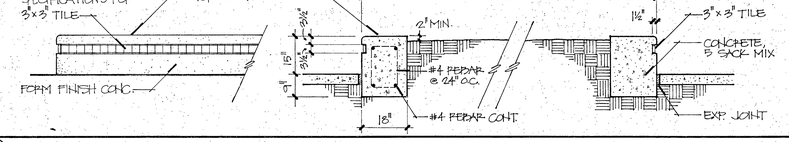


BUBBLER



1 TURF BLOCK 1 1/2"



2 PLANTER ELEV. 1/2" PLANTER SECTION 1/2"

IRRIGATION SCHEDULE

VALVE NUMBER / VALVE SIZE / WATER DEMAND

SYM	SIZE	MANUFACTURE	MODEL NO.	P.S.I.	COMMENTS
❋	1/3	HUNTER	PS-04-10A-V	30	S-TYPE SPRAY SPRINKLERS - ADJ.
◴	1/4		PS-04-10A-V	30	" " " "
◓	1/2		PS-04-10A-V	30	" " " "
●	F		PS-04-10F-V	30	" " " FULL
◍	1/4		PS-04-12A-V	30	" " " ADJ.
⊙	1/3		PS-04-12A-V	30	" " " "
⊖	1/2		PS-04-12A-V	30	" " " "
○	F		PS-04-12F-V	30	" " " FULL
◱	1/4		PS-04-15A-V	30	" " " ADJ.
⊠	1/3		PS-04-15A-V	30	" " " "
◨	1/2		PS-04-15A-V	30	" " " "
■	F		PS-04-15F-V	30	" " " FULL
△	PART	RAINBIRD	P-32C-LA-2.0	35	TUFF BIRD POTOP POP-UP
▲	FULL		P-32C-LA-20	35	" " " "
△	PART		PC-70PC-13-PC	40	POTOP POP-UP SPRINKLER
△	FULL		PC-70PC-15-PC	40	" " "
•			401	—	BUBBLER - INSTALL ON RISER
⊞	1/4	HUNTER	PS-04-17A-V	30	S-TYPE SPRAY SPRINKLERS - ADJ.
⊡	1/3		PS-04-17A-V	30	" " " "
⊟	1/2		PS-04-17A-V	30	" " " "
□	F		PS-04-17F-V	30	" " " "
⋈	LINE SIZE	WILKENS OR EQ.	BRASS GLOBE		INSTALL IN BOX - SEE DETAIL
◔	1, 1½, 2	RAINBIRD	EFB OR PPS-B		VALVES - INSTALL IN LOCKING BOX, ONE PER BOX - SEE DETAIL
Ⓜ		RAINBIRD	CCU-1		CLUSTER COMMAND UNIT - SEE NOTE #14
⊠		POINT OF CONNECTION - VERIFY LOCATION ON SITE WATER PLAN			
△	4"	FEBCO	825YD		BACKFLOW PREVENTOR, NOTE #7
◯	2"	CLA-VAL	136-01A/24-V		MASTER VALVE FLANGED ASSY. SEE NOTE #9
		RAINBIRD — RSC SAT 24 W/REMOTE BIRD ADAPTER PLUG - 4 PA.			CONTROLLERS - INSTALL IN LOCKABLE ENCLOSURE, SEE NOTES #15 #11
		LASCO OR EQ.	CLASS 200		LOW PRESSURE SUPPLY LINE
		LASCO OR EQ.	SCH. 40		HIGH PRESSURE MAIN LINE
●	1"	RAINBIRD	44-LRC		QUICK COUPLER - SEE DETAIL

IRRIGATION NOTES:

1. INSTALL ALL MATERIALS AS CALLED OUT IN DETAILS AND AS PER SPECIFICATIONS.
2. THERE SHALL BE NO DELETIONS OR SUBSTITUTIONS WITHOUT THE APPROVAL OF THE LANDSCAPE ARCHITECT.
3. ALL SPRINKLERS AND VALVES SHALL BE ADJUSTED FOR REQUIRED COVERAGE WITH MINIMUM OVERSPRAY. LANDSCAPE ARCHITECT TO HAVE FINAL APPROVAL.
4. ALL COMPONENT LOCATIONS ARE APPROXIMATE AND DIAGRAMATIC AS SHOWN. PLACE COMPONENTS IN PLANTER AREAS NEAREST LOCATION SHOWN.
5. ALL LINES RUNNING UNDER WALKS AND PAVING TO BE INSTALLED IN SCH. 40 SLEEVES TO BE A MINIMUM OF 1" LARGER THAN IRRIGATION LINE.
6. ALL SYSTEMS DESIGNED FOR PERFORMANCE AT 30,35,40 P.S.I. PRESSURE.
7. INSTALL BACKFLOW PREVENTER IN ENCLOSURE BY LEMURE, MODEL No. BF307242. PLACE ON 4" CONC. SLAB 3'-0"x 7'-0".
8. ALL QUICK COUPLER VALVES, GATE VALVES, AND REMOTE CONTROL VALVES TO BE INSTALLED IN LOCKABLE VALVE BOXES, ONE PER BOX, SEE SPEC'S.
9. ALL MASTER VALVES SHALL BE WIRED TO THE LAST STATION ON EACH CONTROLLER. VERIFY PRIOR TO FINAL HOOK-UP. MASTER VALVE & FLOW SENSER MUST BE INSTALLED AS A UNIT.
10. PROVIDE 1 EACH RAINBIRD RB-320PLUS REMOTE CONTROL TRANSCEIVER PER CONTROLLER.
11. INSTALL CONTROLLER AND CONTROL UNITS IN LEMURE ENCLOSURES. UNITS SHALL BE PEDESTAL MOUNTED AND SHALL BE LOCATED IN SERVICE YARD. VERIFY LOCATION ON PLANS - REVIEW W/ LANDSCAPE ARCHITECT.
12. ALL IRRIGATION HEADS SHALL BE INSTALLED ON DOUBLE SWING JOINT ASSEMBLIES EXCEPT BUBBLERS. BUBBLERS SHALL BE INSTALLED ON FLEX RISERS.
13. LANDSCAPE CONTRACTOR SHALL HAVE THE OPTION TO MOVE OR RELOCATE MAINLINES, LATERAL LINES, HEADS AND VALVES DUE TO EXISTING UNDER-GROUND UTILITIES, UNFORSEEN OBSTACLES AND FOR EASE OF INSTALLATION AS APPROVED BY THE LANDSCAPE ARCHITECT.
14. RAINBIRD CCU-1 ASSY. SHALL BE INSTALLED ONLY AS PER MANUF. SPECS. UTILIZING ONLY RAINBIRD APPROVED 'MAXIWIRE' AND RELATED EQUIPMENT. ASSY. SHALL BE KTIPS 1000SS-CCU-1-CSA/12-TEL/P
15. CONTROLLER ASSY. SHALL BE: 3 EA. KTIPS-1000SS-24-CSA/24-REM/P-600 POT-IR220P2-MPD AND 1 EA. KTIPS-24-CSA/24-1126/R-REM/P-600 POT-IR220P2-MPD
16. WIRE FROM FLOW SENSER TO CONTROLLER MUST BE ARIZONA BRAND WIRE AND MUST BE INSTALLED IN CONDUIT.

PORTION 1

STATE OF CALIFORNIA DEPARTMENT OF GENERAL SERVICES
APR 13 1993
OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION L.A.

PASSED APPROVED STATE OF CALIFORNIA C-10 510

The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect and no part thereof shall be copied, disclosed to others or used in conjunction with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.
Written dimensions on these drawings shall have precedence over scaled dimension: contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
MESA MARIN ELEMENTARY SCHOOL
MESA MARIN DRIVE
BAKERSFIELD, CA

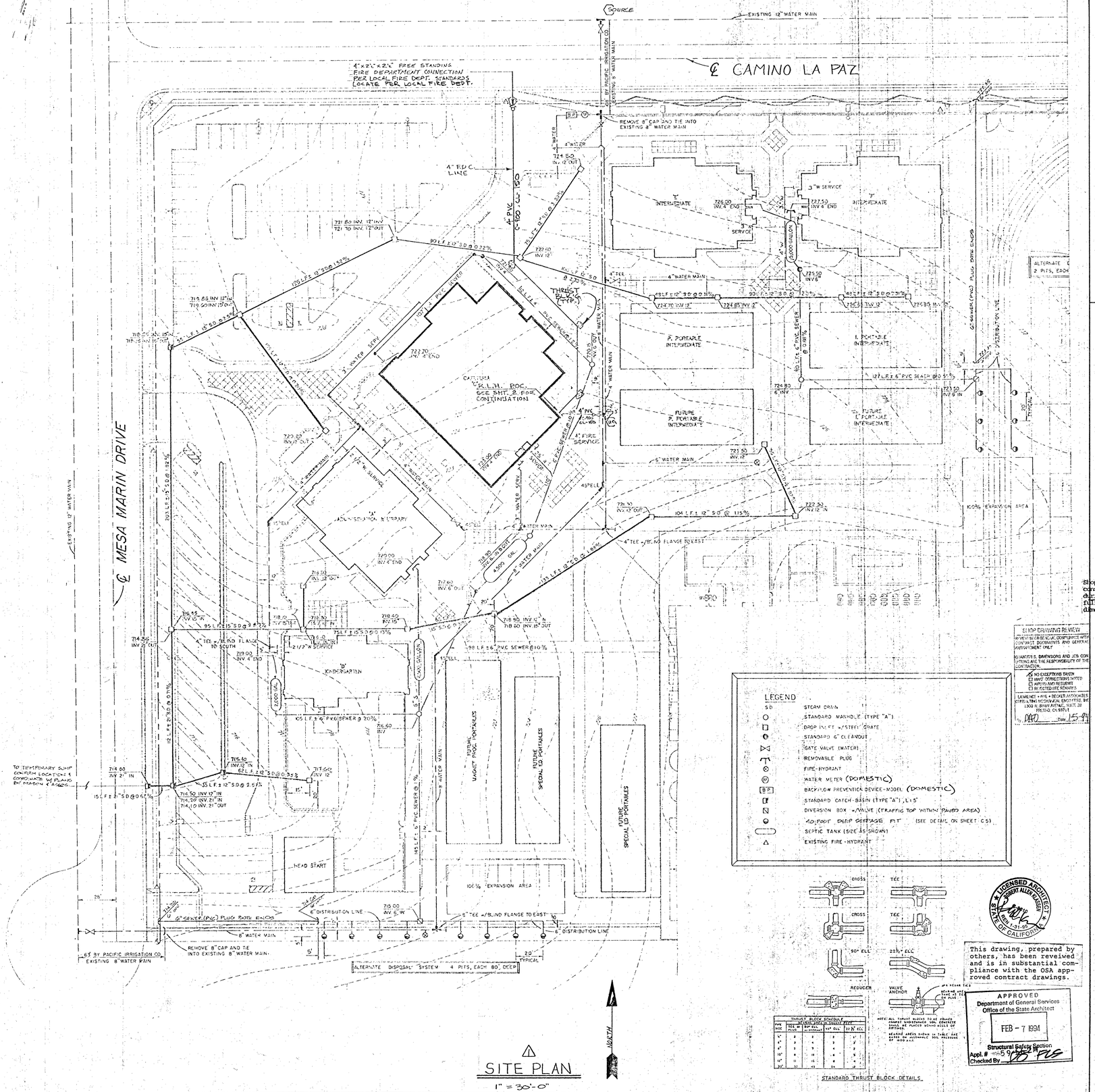
Sheet title: DETAIL SHEET

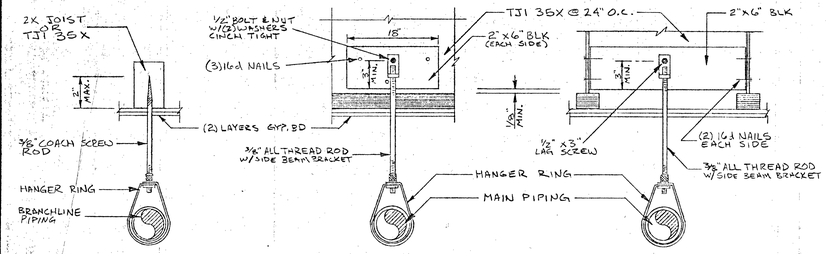
LANDSCAPE ARCHITECTURE
RALPH ADAME A.S.L.A.
LANDSCAPE ARCHITECT #2000
5405 STOCKDALE HWY. #207
BAKERSFIELD, CALIF. 93309
(805) 397-6661

Date:	Issued for:

Date:	Revisions:

Drawn by: R.A.
Checked by:
Job no: 9211.063 1223
Sheet: L-4
Sheet of:
Date:


SOURCE
EXISTING 12" WATER MAIN
℄ CAMINO LA PAZ
℄ MESA MARIN DRIVE
4"x2"x2" FREE STANDING FIRE DEPARTMENT CONNECTION PER LOCAL FIRE DEPT. STANDARDS. LOCATE PER LOCAL FIRE DEPT.
REMOVE 8" CAP AND TIE INTO EXISTING 8" WATER MAIN
6" BY PACIFIC IRRIGATION CO. EXISTING 8" WATER MAIN
4" FDC LINE
4" PVC C-900 CL 150
721.80 INV. 12" IN
721.70 INV. 12" OUT
90 L.F. 12" S.D. @ 0.22%
722.10 INV. 12"
722.50 INV. 12" OUT
8" STUB
THRUST BLOCK (TYP.)
4" WATER MAIN
725.50 INV. 8
4" TEE
3" W SERVICE
"A" INTERMEDIATE
726.20 INV. 4" END
727.50 INV. 4" END
"B" INTERMEDIATE
3" W SERVICE
4" WATER MAIN
725.85 INV. 12"
725.85 INV. 12"
725.85 INV. 12"
715.85 INV. 12" IN
719.50 INV. 15" OUT
150 L.F. 12" S.D. @ 1.52%
90 L.F. 12" S.D. @ 1.22%
90 L.F. 12" S.D. @ 1.22%
90 L.F. 12" S.D. @ 1.22%
100' PVC SEWER
90 L.F. 8" PVC SEWER @ 1.00%
3" WATER SERV.
4" WATER MAIN
723.70 INV. 4" END
CAFETERIA "R.L.H. ROC. SEE SHT. 2 FOR CONTINUATION
4" FIRE SERVICE
4" PVC SEWER @ 1.00%
720.15 INV. 8" OUT
8" WATER MAIN
720.80 INV. 4" END
720.00 INV. 4" END
719.90 INV. 4" END
719.80 INV. 12" OUT
717.80 INV. 6" OUT
717.60 INV. 12" IN
718.90 INV. 12" IN
718.80 INV. 18" OUT
718.40 INV. 18"
718.00 INV. 18"
715.95 INV. 12" IN
95 L.F. 12" S.D. @ 2.63%
4" TEE w/ 6" S.D. FLANGE TO SOUTH
719.00 INV. 4" END
2-1/2" W SERVICE
"D" KINDERGARTEN
75 L.F. 6" S.D. @ 0.67%
98 L.F. 6" PVC SEWER @ 1.0%
105 L.F. 6" PVC SEWER @ 2.0%
715.60 INV. 12" IN
715.50 INV. 12" IN
714.50 INV. 12" IN
714.20 INV. 21" IN
714.10 INV. 21" OUT
715.00 INV. 12"
715.60 INV.
85 L.F. 12" S.D. @ 2.67%
62 L.F. 18" S.D. @ 0.32%
714.00 INV. 21" IN
15 L.F. 21" S.D. @ 0.67%
TO TEMPORARY SUMP LOCATION & CONNECTION PLANS BY MASON & SONS
HEAD START
"C" 1777
28'
714.00 INV. 6" IN
6" SEWER (PVC) PLUG BOTH ENDS
6" DISTRIBUTION LINE
715.00 INV. 6" W
8" WATER MAIN
8" TEE w/BLIND FLANGE TO EAST
6" DISTRIBUTION LINE
5'
REMOVE 8" CAP AND TIE INTO EXISTING 8" WATER MAIN.
6" BY PACIFIC IRRIGATION CO. EXISTING 8" WATER MAIN
ALTERNATE DISPOSAL SYSTEM 4 PITS, EACH 80' DEEP
20' TYPICAL
"E" INTERMEDIATE
"F" INTERMEDIATE
P. PORTABLE INTERMEDIATE
L. PORTABLE INTERMEDIATE
FUTURE P. PORTABLE INTERMEDIATE
FUTURE L. PORTABLE INTERMEDIATE
FUTURE MARKET PROOF PORTABLES
FUTURE SPECIAL ED PORTABLES
FUTURE SPECIAL ED PORTABLES
106% EXPANSION AREA
127 L.F. 6" PVC SEWER @0.51%
723.50 INV. 6" IN
6" SEWER (PVC) PLUG BOTH ENDS
6" DISTRIBUTION LINE
ALTERNATE DISPOSAL SYSTEM 2 PITS, EACH
104 L.F. 12" S.D. @ 1.15%
722.30 INV. 12" IN
4" TEE w/BLIND FLANGE TO EAST
105 L.F. 6" PVC SEWER @ 1.0%
719.80 INV. 12" IN
719.70 INV. 12" OUT
719.60 INV. 6" OUT
719.50 INV. 6" IN
719.40 INV. 4" OUT
719.30 INV. 4" IN
718.90 INV. 4" IN
718.80 INV. 4" OUT
718.60 INV. 4" IN
718.50 INV. 4" OUT
718.40 INV. 4" IN
718.30 INV. 4" OUT
718.20 INV. 4" IN
718.10 INV. 4" OUT
718.00 INV. 4" IN
717.90 INV. 4" OUT
717.80 INV. 4" IN
717.70 INV. 4" OUT



HANGER #10
N.T.S.

HANGER #13
N.T.S.

HANGER #110
N.T.S.

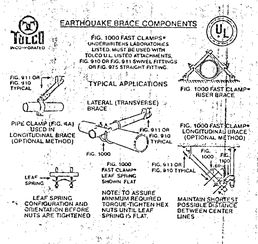
HYDRAULIC-SYSTEM

Location: STAGE
ROOM 109
No. of Sprinklers: 19

Basis of Design
1) DENSITY ..... 0.16 GPM/SQ FT.
2) DESIGNED AREA OF DISCHARGE 1500 SQ FT.

System Demand
1) GPM DISCHARGE ..... 459 GPM
2) RESIDUAL PRESSURE AT THE BASE OF THE RISER ..... 57.5 PSI

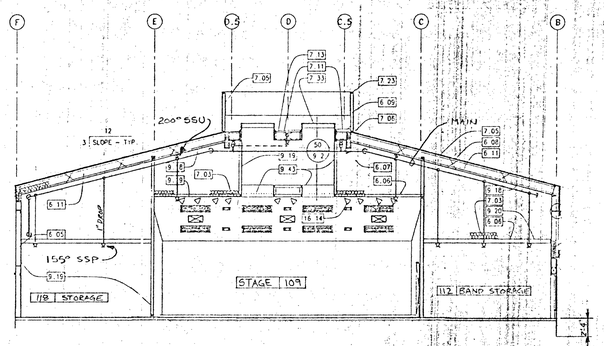
* TO BE PLACED ON RISER



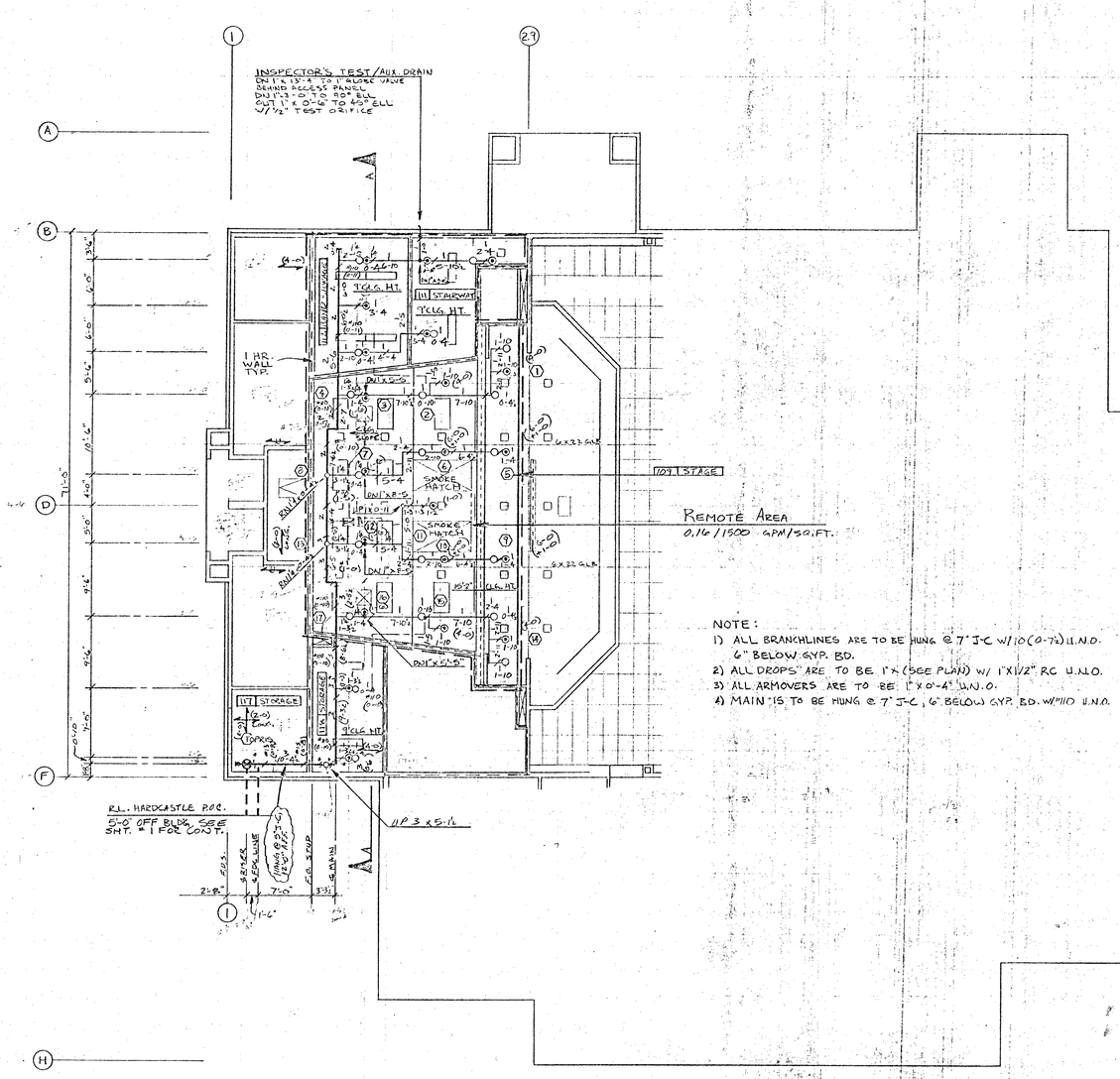
SWAY BRACING

KEYNOTES:

6 05	2x8 STUDS @ 16" o/c
6 06	2" C.J./R.R. @ 16" o/c
6 07	GLU-LAM WOOD BEAM
6 08	PLYWOOD ROOF SHEATHING
6 09	WOOD FRAME PARAPET
6 11	TRUSS JOIST ROOF FRAMING
7 03	9" BATT INSULATION - (R-30)
7 05	PREFINISHED METAL ROOFING
7 06	PREFINISHED METAL REGLET TO STUCCO PARAPET WALL
7 11	BUILT-UP COMPOSITION ROOFING
7 13	WALKWAY PROTECTION CAPSHEET
7 23	24 GA. G.I. CAP FLASHING - PAINTED
7 33	SMOKE HATCH
9 18	2 - LAYERS 5/8" GYPSUM BOARD DRYWALL TYPE 'X' (FIRE RATED)
9 19	5/8" GYPSUM BOARD DRYWALL TYPE 'X' (FIRE RATED)
9 20	5/8" GYPSUM BOARD DRYWALL w/ (1) LAYER 5/8" TYPE 'X' @ TOP SIDE ATTIC OF 2x CEILING JOISTS
9 43	PARABOLIC DRILLED SMOKE SHAFT
10 61	MASONIC SINGLE PANEL MOVABLE PARTITION
16 14	STAGE LIGHTING FIXTURES



SECTION A-A
1/8" = 1'-0"



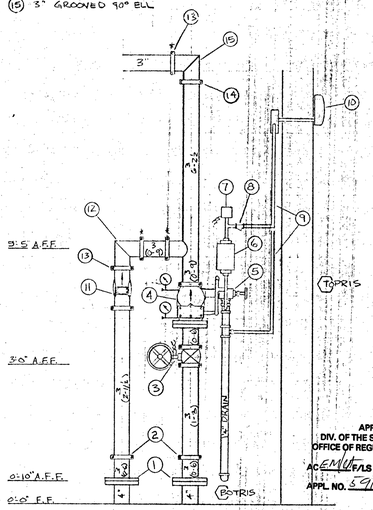
NOTE:
1) ALL BRANCHLINES ARE TO BE HUNG @ 7" J-C W/10(0-7½) U.N.O. 6" BELOW GYP. BD.
2) ALL DROPS ARE TO BE 1"X (SEE PLAN) W/ 1"X1/2" RC U.N.O.
3) ALL ARMOVERS ARE TO BE 1"X 0'-4" U.N.O.
4) MAIN IS TO BE HUNG @ 7" J-C, 6" BELOW GYP. BD. W/#110 U.N.O.

FIRE SPRINKLER PLAN
1/8" = 1'-0"

NORTH

Material List

1. 3"x9" FLANGE
2. 3" FLEXIBLE COUPLING
3. 3" NIBCO 6007FS-8 BUTTERFLY VA. W/TAMPER SWITCH, C.S.F.M. # 7768-1243:101
4. 3" FxG VIKING MODEL H-2 ALARM VALVE
5. STANDARD TRIM FOR 3" VIKING MODEL H-2 ALARM VALVE
6. VIKING MODEL C-1 RETARD CHAMBER
7. POTTER PSI0A PRESSURETYPE WATERFLOW SWITCH, C.S.F.M. # 7770-0328-001
8. 3/4" Y STRAINER
9. WATER MOTOR ALARM PIPING (FOREMAN ORDER)
10. VIKING MODEL F-2 WATER MOTOR ALARM
11. 3" GxG CHECK VALVE
12. 3" GROOVED 90° ELL
13. 3" RIGID COUPLING
14. 3" GROOVED COUPLING
15. 3" GROOVED 90° ELL



LICENSED ARCHITECT ROBERT ALLEN GLASSER C-8810 REN. 1-31-95 STATE OF CALIFORNIA

This drawing, prepared by others, has been reveiwed and is in substantial compliance with the OSA approved contract drawings.

SHOP DRAWING REVIEW
REVIEWED FOR GENERAL COMPLIANCE WITH CONTRACT DOCUMENTS AND GENERAL ARRANGEMENT ONLY.
QUANTITIES, DIMENSIONS AND JOB CONDITIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
NO EXCEPTIONS TAKEN
MAKE CORRECTIONS NOTED
AMEND AND RESUBMIT
RESUBMIT REVISIONS
LAWRENCE + HOE + BECKER ASSOCIATES CONSULTING MECHANICAL ENGINEERS, INC. 1300 W. SHAW AVENUE, SUITE 28 FRESNO, CA 93711
By DMD Date 1-5-94

APPROVED
Department of General Services
Office of the State Architect
FEB - 7 1994
Structural Safety Section
Appl. # 59162
Checked By

Gilbert L. Nye, P.E. M-26224

Shop drawings have been reviewed for general methods and typical construction only. Time does not permit a review in the depth provided during the preparation of the construction documents. Completeness, fulfillment of the intent of the construction documents, and all dimensional relationships remain the responsibility of the Contractor.

This drawing, prepared by others, has been reviewed and is in substantial compliance with the OSA approved contract drawings.

RISER DETAIL
(LOOKING NORTHEAST)
N.T.S.

REVISED 12/21/93

REGISTERED PROFESSIONAL ENGINEER R. L. HARDCASTLE No. FP 172 FIRE PROTECTION STATE OF CALIFORNIA 12/21/93

APPROVED
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
ACEMU/FALS SS
APPL. NO. 59162 DATE 2/8/94

HANGERS NUMBERS AND DESCRIPTIONS

#1	U-Hook	#13	Eye-Rod Nut And Washer And Hanger Ring
#2	Wrap-Around U-Hook	#20	Power-Driven Stud For Concrete, Rod Coupling,
#3	U-Hook w/Uneven Legs		Machine-Thread Rod, And Hanger Ring
#4	Yoke Hanger Rod	#21S	Beam Clamp
#5	Ceiling Plate, Machine-Thread Rod, And Hanger Ring	#24	C-Clamp, Machine-Thread Rod, And Hanger Ring
#7	Concrete Insert, Machine-Thread Rod, And Hanger Ring	#25	Top-Beam Clamp, Machine-Thread Rod, And Hanger Ring
#9	Concrete Insert, Machine-Thread Rod, And Hanger Ring	#88C	Hanger Ring
#10	Clevis Screw Rod And Hanger Ring (Rod Bottom Optional)	#1000	UNI-STRUT 3/4" Attached to Concrete
#11	Toggle-Wing, Machine-Thread Rod, And Hanger	#1000	UNI-STRUT 3/4" Attached to Wood
#12	Expansion Shield For Concrete, Machine-Thread Rod Hanger Ring	#1000	Talon Earthquake Brace
		#1011	Pipe Stand
		#110	Trapeze Bar
		#120	Detailed Non-Standard Hanger As Detailed
		#1210	2-Way Earthquake Brace
		#1211	4-Way Earthquake Brace

SYMBOLS AND ABBREVIATIONS

	GROOVED COUPLING
	GROOVED CAP
	GROOVED ELBOW
	RIGID COUPLING
	SCREWED PLUG
	SYSTEM RISER
B.O.B.	BOTTOM OF BEAM TO ℄ OF PIPE
B.O.J.	BOTTOM OF JOIST (OR PURLIN) TO ℄ OF PIPE
B.O.S.	BOTTOM OF SHEATHING TO ℄ OF PIPE
	BULL-HEADED TEE W/1" RISER TO UPRIGHT HEAD AND 1" DROP TO PENDENT HEAD
	BULL-HEADED TEE W/UPRIGHT HEAD AND 1" DROP TO PENDENT HEAD

SPRINKLERS

QTY	SYMB	TYPE	TEMP.	FINISH	ORIF.	CANOPY	FINISH
20	○	UPRIGHT VIKING MOD. 'M'	200°	BRASS	1/2"	—	—
	⊗	UPRIGHT WITH RISER					
	⊙	PENDENT					
21	⊙	PENDENT WITH DROP VIKING MOD. 'M'	155°	CHROME	1/2"	REC.	CHROME
	●	UPRIGHT HIGH TEMP					
	◁	SIDEWALL					

THIS PLAN PREPARED BY THE OFFICE OF:

R.L Hardcastle Co., Inc.
310-30th Street
Bakersfield, California 93301
(805) 322-9344
C-16 #461154

MESA MARIN ELEMENTARY SCHOOL
4201 MESA MARIN DRIVE
BAKERSFIELD, CALIFORNIA

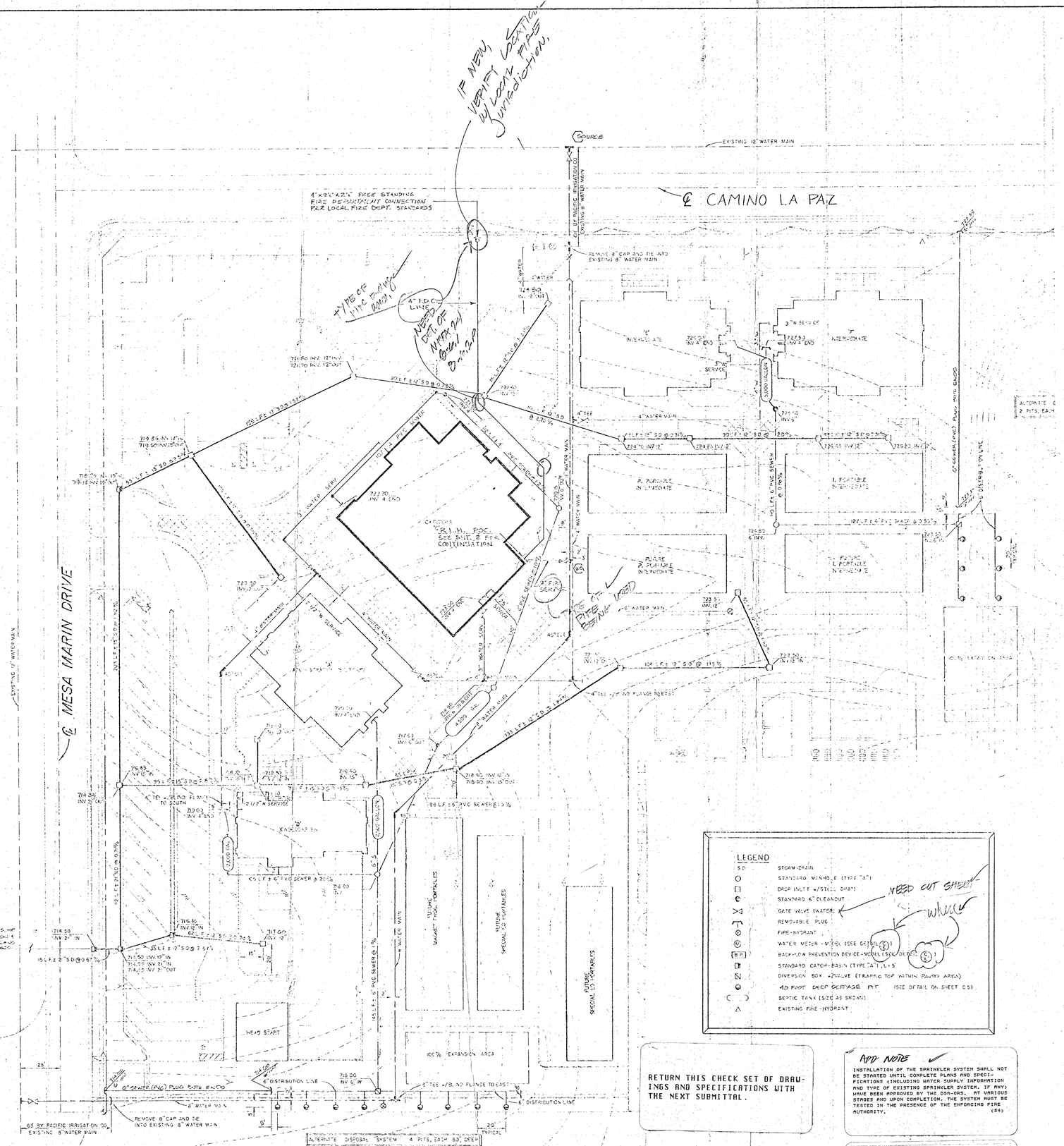
APPL. # 59162

FIRE SPRINKLER PLAN - SECTION - DETAILS

SCALE NOTED | DATE 10-25-93 | SHT. 2 OF 2
DRAWN BY JLN | CONTRACT NO. 645

41-TOTAL

BLUEPRINT SERVICE



SITE PLAN

1" = 30'-0"

LEGEND

- SD — STORM DRAIN
- STANDARD MANHOLE (TYPE "A")
- DROP INLET W/STEEL GRATE
- STANDARD 6" CLEANOUT
- GATE VALVE (WATER)
- REMOVABLE PLUG
- FIRE HYDRANT
- WATER METER - METAL (SEE DETAIL 3)
- BP — BACKFLOW PREVENTION DEVICE - MODEL (SEE DETAIL 1)
- STANDARD CATCH-BASIN (TYPE "A1", L=5')
- DIVERSION BOX W/VALVE (TRAFFIC TOP WITHIN PAVED AREA)
- 40 FOOT DEEP SEEPAGE PIT. (SEE DETAIL ON SHEET C-5)
- SEPTIC TANK (SIZE AS SHOWN)
- EXISTING FIRE HYDRANT

RETURN THIS CHECK SET OF DRAWINGS AND SPECIFICATIONS WITH THE NEXT SUBMITTAL.

ADD NOTE

INSTALLATION OF THE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS (INCLUDING WATER SUPPLY INFORMATION AND TYPE OF EXISTING SPRINKLER SYSTEM, IF ANY) HAVE BEEN APPROVED BY THE DSA-ORS, AT VARIOUS STAGES AND UPON COMPLETION. THE SYSTEM MUST BE TESTED IN THE PRESENCE OF THE ENFORCING FIRE AUTHORITY. (SN)

THE ARCHITECT OF RECORD IS REQUIRED TO STAMP AND SIGN DEFERRED APPROVAL SUBMITTALS. (T-24, CCR, PART 1, SEC. N-317 (B) 3). (S25)

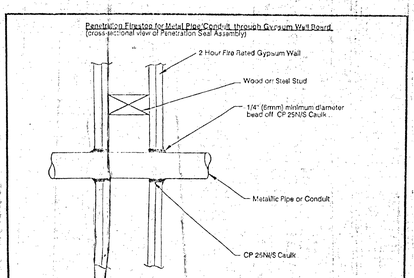
CHECK SET

FIRE & LIFE SAFETY

DIVISION OF THE STATE ARCHITECT

OFFICE OF REGULATION SERVICES

Penetration Firestop for Metal Pipe/Conduit through Gypsum Wall Board
(cross-sectional view of Penetration Seal Assembly)



NOTE:

1. Install as tightly into the annular space as the annular space will permit with the exception of the penetration surface.
2. Finish caulking with a 1/4" (6mm) minimum bead of CP 25NS Caulk applied to the perimeter of the conduit/pipe at its egress from the wall.
3. Annular space is not to exceed 3/16" (5mm).
4. Install 3M Firestop on both sides of the wall.

These recommendations are based on product performance per ASTM E-8121, 1479) Fire Test and UL Through-Penetration Firestop System #147.

UL System #WL

This Print supercedes Print # 5300IC-PP-13

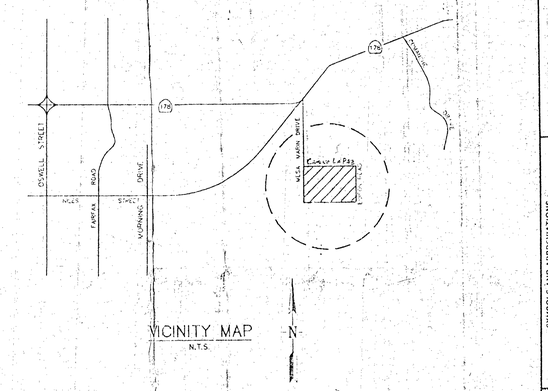
Mod. 1	Date 08-25-98	Inv.	Dr.
Dr. RA Wilson		App. AJ Schommer	
Dwg. No. 5300-MPC7			

3M Brand Fire Protection Products

Penetration Firestop
Metal Pipe/Conduit Through a Gypsum Wall Board
CP 25N/S Caulk

2 Hour Rating — Page 1 of 1

3M/St. Pal



VICINITY MAP

N.T.S.

GENERAL NOTES

1. The automatic fire sprinkler system shall conform to the requirements of the 1989 edition of NFPA pamphlet #13
2. Penetrations of rated assemblies shall be fire-stopped. Fire stopping shall be an approved material as prescribed in California State Fire Marshal standard 43-I
3. Installation of the sprinkler system shall not be started until complete plans and specifications (including water supply information and type of existing system, if any) have been approved by the ~~California State Fire Marshal~~ DIVISION OF STATE ARCHITECT (DSA)
4. At various stages and upon completion, the system must be tested in the presence of the enforcing agency
5. Building Occupancy is Ordinary Hazard Group ~~II~~ Office Storage Group II
   Building Design is 0.16 gpm/sq. ft. over 1500 sq. ft.
6. Any fire protection equipment or materials used in this fire protection system shall be U.L. listed for fire protection use
7. Fire Sprinkler Orifice Size ~~1/2~~
   Fire Sprinkler K-Factor is 5.5
8. Earthquake bracing shall be standard per NFPA 13. Lateral sway bracing may be omitted when hanger rods less than 6" or U-hooks with 30 degrees deflection are used
9. All Pipe For Lines Shall Be Allied XL with Cast Iron Screwed Fittings
10. All Pipe For Mains Shall Be Allied Superflow with Welded and Grooved fittings
11. A spare head cabinet shall be provided with 3 uprights and 3 pendent fire sprinklers and 1 installing wrench for each type of sprinkler
12. This fire sprinkler system shall have 24 hour monitoring to an approved central station. All work to be performed on the monitoring system shall be by others
13. All wiring, electrical, painting, or fire extinguishers are by others
14. Flow Test Information (Reduced 15% per BCFD)

Date	Static (psi)	Residual (psi)	Flow (gpm)	Conducted By
10-23-93	71	57	2449	OLCESE WATER DISTRICT

15. The underground portion of this fire sprinkler system shall conform to the National Fire Protection Association pamphlet number 24 (NFPA 24). Minimum depth of bury shall be 3'-0". All changes in direction of any underground mains shall be restrained with thrust blocks or U.L. approved restraining devices
16. All low points of the system shall have provisions for drainage in accordance with NFPA 13.
17. The overhead portion of this system shall be tested at 200 psi for 2 hours. The underground portion of this system shall be flushed in accordance with NFPA 24 before connecting with the overhead system and be tested at 200 psi for 2 hours
18. Fire Hydrant and Fire Hydrant underground piping system shop drawings shall be submitted to the California State Fire Marshal for approval prior to installation. Drawings shall be stamped and signed by a C-16, C-34 or C-36 Specialty Contractor or a Class A General Contractor or a Fire Protection Engineer, Mechanical Engineer, or Civil Engineer for approval prior to installation
19. The Fire Sprinkler and/or Fire Hydrant underground piping system indicated in these drawings is for bidding purposes only. It shall not be used for construction.

bill Houb - NEED SUBMITTAL TO DSA 12-1-93

PROVIDES DETS!

SHOP DRAWING REVIEW

THIS NOTE IS FOR GENERAL CONFORMANCE WITH CONTRACT DOCUMENTS AND GENERAL ARRANGEMENT ONLY.

QUANTITIES, DIMENSIONS AND JOB CONDITIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

☐ NO EXCEPTIONS TAKEN
☐ MAKE CORRECTIONS NOTED
☐ AMEND AND RESUBMIT
☐ REJECTED AS REMARKS

LAWRENCE • RYE • BECKER ASSOCIATES CONSULTING MECHANICAL ENGINEERS, INC. 1303 W. ELLIS AVENUE, SUITE 20 FRESNO, CA 93711

By _____ Date 11/8/93

APPROVED
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
DSA
FIRE & LIFE SAFETY
SD
ACC
APPL. NO.
DATE
PROFESSIONAL ENGINEER
HARDCASTLE
No. FP 172
FIRE PROTECTION
STATE OF CALIFORNIA

THIS DRAWING IS THE PROPERTY OF THE ENGINEER AND IS NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ENGINEER. ALL RIGHTS RESERVED UNDER THE COPYRIGHT LAWS.

RECEIVED
NOV 0 8 1993
BY THE BAKERSFIELD OFFICE FOR
DIVISION OF THE STATE ARCHITECT

HANGERS NUMBERS AND DESCRIPTIONS

#1	U-Hook	#13	Eye Rod, Nut And Washer, And Hanger Ring
#2	Weld, Around U-Hook	#20	Power-Driven Stud w/ Concrete, Rod Coupler, Nut And Washer, Rod, And Hanger Ring
#3	U-Hook w/Threaded Ends		Pipe Strap
#4	Riveted Hook	#21S	C-Clamp, Machine Thread Rod, And Hanger Ring
#5	Swing Plate, Machine Thread Rod, And Hanger Ring	#24	Top Beam Clamp, Machine Thread Rod, And Hanger Ring
#7	Concrete Insert, Machine Thread Rod, And Hanger Ring	#25	Hanger Ring Attached to Concrete
#9	Concrete Insert, Machine Thread Rod, And Hanger Rings, Coach Screw Rod And Hanger Ring (Rod Button (optional)	#90C	Hanger Ring Attached to Wood
		#89W	UNI - STRUT Attached to Wood
		#1000	Tolco Earthquake Brace
		#1001	Post Stand
		#110	**Tolco Bar
		#120	Tolco Flush-Standard Hanger As Detailed On Plans
			Carloy Earthquake Brace
			TriVia Earthquake Brace

SYMBOLS AND ABBREVIATIONS

	GROOVED COUPLING
	GROOVED CAP
	GROOVED ELBOW
	RIGID COUPLING
	SYSTEM RISER
B.C.	BOTTOM OF BEAM TO ℄ OF PIPE
J.C.	BOTTOM OF JOIST (OR PURLIN) TO ℄ OF PIPE
	BOTTOM OF DECK TO ℄ OF PIPE
	DUAL-HEADED TEE W/ ONE UPRIGHT TO SPRINKLER

SPRINKLERS

SYMB	TYPE	TEMP	FINISH	CANOPY	ORIF.	FINISH
○	UPRIGHT					
⊗	UPRIGHT WITH RISER					
◎	PENDENT					
⊙	PENDENT WITH DROP					
⊕	UPRIGHT HIGH TEMP					
△	SIDEWALL					

QTY

R.L Hardcastle Co., Inc.
310-30th Street
Bakersfield, California 93301
(805) 322-9344
C-16 #461154

MESA MARIN ELEMENTARY SCHOOL
4201 MESA MARIN DRIVE
BAKERSFIELD, CALIFORNIA

SHT. 1 of 2

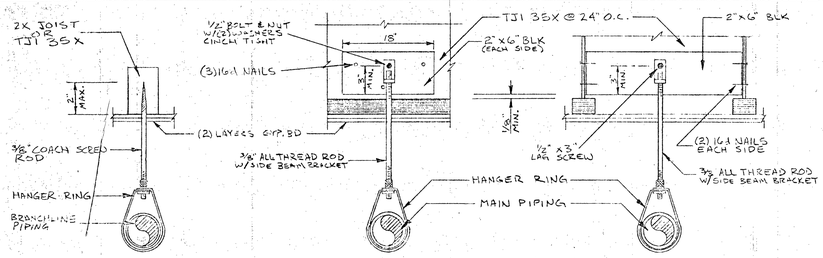
Site Plan - General Notes - Vicinity Map

DATE 10-25-93

CONTRACT NO 645

SCALE Noted

DRAWN BY JLN



HANGER #10
N.T.S.

HANGER #13
N.T.S.

HANGER #110
N.T.S.

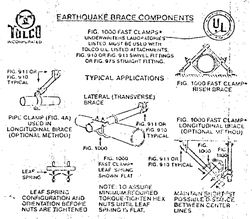
HYDRAULIC-SYSTEM

Location: STAGE
ROOM 109
No. of Sprinklers 13

Basis of Design
1) DENSITY 0.16 GPM/SQ. FT.
2) DESIGNED AREA OF DISCHARGE LARGEST ROOM

System Demand
1) GPM DISCHARGE 364 GPM
2) RESIDUAL PRESSURE AT THE BASE OF THE RISER 57.7 PSI

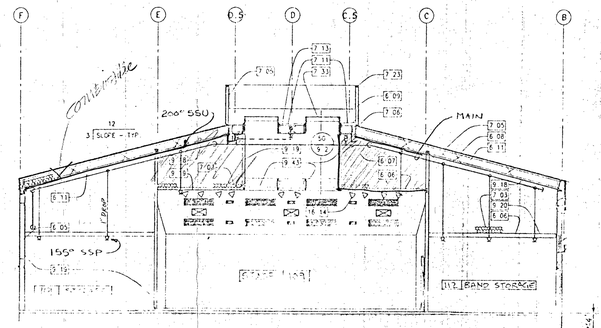
* TO BE PLACED ON RISER



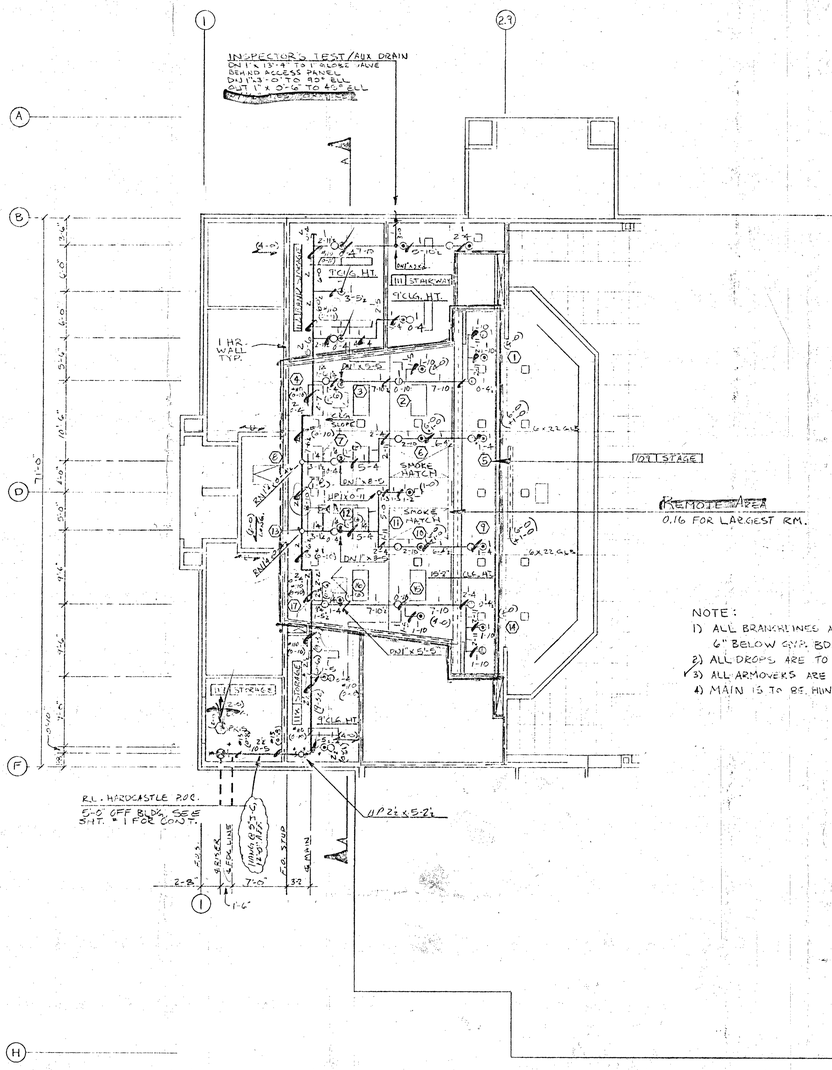
SWAY BRACING

KEYNOTES:

6 05	2x8 STUDS @ 16" o/c	
6 06	2x C.J./R.R @ 16" o/c ;	
6 07	GLU-LAM WOOD BEAM	
6 08	PLYWOOD ROOF SHEATHING \	
6 09	WOOD FRAME PARAPET	
6 11	TRUSS JOIST ROOF FRAMING	
7 03	9" BATT INSULATION - (R-30)	
7 05	PREFINISHED METAL ROOFING	
7 06	PREFINISHED METAL REGLET TO STUCCO PARAPET WALL	
7 11	BUILT-UP COMPOSITION ROOFING	
7 13	WALKWAY PROTECTION CAPSHEET	
7 23	24 GA. G.I. CAP FLASHING - PAINTED	
7 33	SMOKE HATCH	
* 9 18	2 - LAYERS 5/8" GYPSUM BOARD DRYWALL TYPE 'X' (FIRE RATED)	
9 19	5/8" GYPSUM BOARD DRYWALL TYPE 'X' (FIRE RATED)	
9 20	5/8" GYPSUM BOARD DRYWALL w/ (1) LAYER 5/8" TYPE 'X' @ T.O. SIDE ATTIC W/ 2x CEILING JOISTS	
9 43	PAINTED (OPTIONAL SHEEN)	
10 61	MANUAL SINGLE PANE, MOVABLE PARTITION	
16 14	STAGE LIGHTING FIXTURES	



SECTION A-A
1/8" = 1'-0"



FIRE SPRINKLER PLAN
1/8" = 1'-0"

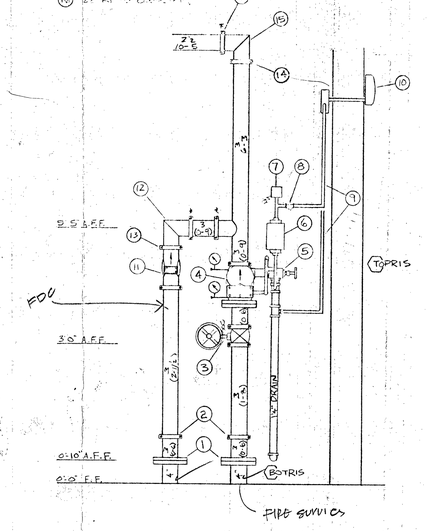
NORTH

Material List

1. 3"x9" FLANGE
2. 3" FLEXIBLE COUPLING
3. 3" NIBCO SERIES 2 BUTTERFLY VA w/ TAMPER SWITCH, CS.F.M. 7778-1743-011
4. 3" FIRE-LITE MODEL MZ ALARM VALVE
5. STANDARD TRIM FOR 3" VIKING MODEL H-2 ALARM VALVE
6. VIKING MODEL C-1 RETARD CHAMBER
7. POTTER 5-W PRESSURETYPE WATERFLOW SWITCH, C.S.F.M. 7770-0565-001
8. 3/4" Y STRAINER
9. WATER MOTER ALARM PIPING (FOREMAN ORDER)
10. VIKING MODEL F-2 WATER MOTOR ALARM
11. 3" S.V.G. CHECK VALVE
12. 3" GROOVED 90° ELL
13. 3" RIGID COUPLING
14. 3"x2½" REDUCING GROOVE COUPLING
15. 2½" GROOVED 90° ELL
16. 2½" RIGID COUPLING

VERIFY # (NOT CORRECT IN SPEC BOOK!)

OK. 8/12-3-93 MFG Eqt Sheets



RISER DETAIL
(LOOKING NORTHEAST)
N.T.S.

REGISTERED PROFESSIONAL ENGINEER
R. L. HARDCASTLE
No. EP 172
Fire Protection
STATE OF CALIFORNIA
11/21/94

HANGERS NUMBERS AND DESCRIPTIONS

#1	U-HOOK	
#2	Wood Around U-Hook	
#3	U-Hook w/ Offset Legs	
#13	Eye Rod, Nut And Washer, And Hanger Ring	
#20	Power-Driven Stud For Concrete, Rod Coupling	
#215	Machine-Threaded Rod, And Hanger Ring	
#24	Ceiling Plate, Machine Threaded Rod, And Hanger Ring	
#25	C-Clamp, Machine Threaded Rod, And Hanger Ring	
#5	Top-Beam Clamp, Machine-Thread Rod, And Hanger Ring	
#7	Concrete Insert, Machine Threaded Rod, And Hanger Ring	
#8	Beam Attachment, Machine Threaded Rod, And Hanger Ring	
#9	Adjustable Swivel Ring And Hanger Ring	
#13	Clevis, Rod And Hanger Ring (Oval Burlap)	
###	Ring Washer, Thread Rod, And Hanger Ring	
###	Beam Clamp, Rod And Hanger Ring	
###	Ceiling Plate, Machine Threaded Rod, And Hanger Ring	

#HNG	STRUT	Attached to Concrete
#HNG	STRUT	Attached to Wood
#1000	Tolco Earthquake Brace	
#1101	Pipe Band	
#1110	3" x 1/4" Iron Standard Hanger As Detailed	
#1120	Clevis Hanger	

SYMBOLS AND ABBREVIATIONS

GC	GROOVED COUPLING
GC	GROOVED CAP
GE	GROOVED ELBOW
RC	RIGID COUPLING
⅝	⅝" TWO PLUG
FM	FASTMASTER
BOT	BOTTOM OF BEAM TO C OF PIPE
BOT	BOTTOM OF JOIST FOR PIPE
BOT	BOTTOM OF SHEATHING
SLH	SIDE-HEADED TEE WITH SIDE HEAD THROUGH TO THE RIGHT (LOOKING AT PLAN)

SPRINKLERS

QTY	SYMB	TYPE	TEMP.	FINISH	ORIF.	CANOPY	FINISH
20	○	UPRIGHT VIKING MOD. 'M'	200°	BRASS	½"	—	—
	⊗	UPRIGHT WITH RISER					
	◎	PENDENT					
21	⊙	PENDENT WITH DROP VIKING MOD. 'M' UPRIGHT HIGH TEMP.	155°	CHROME	½"	REC.	CHROME
	●	SIDEWALL					
	△						

THIS PLAN PREPARED BY THE R.L. HARDCASTLE OFFICE FOR:

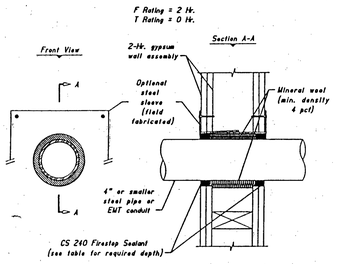
MESA MARIN ELEMENTARY SCHOOL
4201 MESA MARIN DRIVE
BAKERSFIELD, CALIFORNIA

JOB NO. 59/62 | FIRE SPRINKLER PLAN - SECTION - DETAILS | DATE NO. 10-25-93 | SHT. 2 OF 2 | CONTRACT NO. 64

R.L Hardcastle Co., Inc.
310-30th Street
Bakersfield, California 93301
(805) 322-1944
C-16 #431154

BLUEPRINT SERVICE

Metal Pipe/Conduit Thru 2-Hr. Gypsum Wall



Pipe Dia.	Steel Sleeve	Annular Space (in.)	Mineral Wool	CS 240 Depth	"F" Rating (hrs.)	"T" Rating (hrs.)
1/2"-4"	Yes	3/4	4"	1/2"	2	0
1/2"-4"	No	3/4	3"	1"	2	0

STEP 1 - PREPARATION

All surfaces should be clean, sound and dry prior to application of firestopping materials.

STEP 2 - STEEL SLEEVE (OPTIONAL)

If sleeve will not be installed, skip to Step 3. If a sleeve will be installed, use 25 gauge galvanized sheet metal to form a cylinder with mounting flanges as shown in the drawing. Attach the flanges with 4 drywall screws on both sides of the wall.

STEP 3 - BACKING MATERIAL

WITHOUT SLEEVE

Firmly pack mineral wool (minimum density of 4 lbs./cu.ft.) into the opening to a depth of 3". Use Wrap Tape or tie wire to keep mineral wool from falling into wall cavity. Leave 1" space on both sides of the wall for Firestop Sealant.

WITH SLEEVE

Firmly pack mineral wool into the opening to a depth of 4". Leave 1/2" space on both sides of the wall for Firestop Sealant.

STEP 4 - FIRESTOP SEALANT

Apply a 1" depth (1/2" if sleeve was used) of CS 240 Firestop Sealant over the mineral wool on both sides of the wall until flush with the wall. Tool with a putty knife for a smooth appearance. Leave complete seal undisturbed for 48 hours.

FIRE ALARM SEQUENCE OF OPERATION

Upon the activation of any initiating device (manual station, smoke detector, heat detector) all fire alarm horns, mini horns, and strobes will activate. The master panel will indicate the building location where the fire alarm device was energized. All site fire alarm horns and strobes will sound until silenced. The zone light indicating the area of alarm will not be extinguished until the master panel is reset.

THE FIRE ALARM SYSTEM SHALL CONFORM TO SECTION 2-809 PART 2 OF TITLE 24 AND ARTICLE 3-760 OF PART 3, TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS, NFPA 72, AND CFC ARTICLE 14.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY. SECTION 740-16, TITLE 24, CALIFORNIA CODE OF REGULATIONS

ALL WIRE SHALL BE TYPE THHN.

FIRE STOP SEALANT HILTI #CS240 CSFM #4060-1200:100

SYMBOLS

- (F) MANUAL FIRE ALARM STATION NOTIFIER #NBG-10 DUAL ACTION CSFM #7150-0028:139 UNIT MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX WITH SINGLE GANG RING
- (S) SMOKE DETECTOR NOTIFIER #2400 CSFM #7272-1209:103 UNITS MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX WITH TWO GANG RING
- (V) VISUAL STROBE NOTIFIER #GXS4-HWR CSFM#7300-0569:114 ADA APPROVED, UNIT MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX.
- (24) AUDIO VISUAL UNIT PER SPECIFICATIONS NOTIFIER #GXS-4HWR STROBE CSFM #7300-0569:114 WITH NOTIFIER #M1Z-24-R SOUNDER CSFM#7135-0785:115 MOUNTED 6 INCHES ABOVE
- (HN) FIRE ALARM HORN NOTIFIER #MA 12/24D CSFM#7135-1209:124 UNIT MOUNTS SEMI-FLUSH TO A WEATHERPROOF OUTLET BOX
- (FAAP) FIRE ALARM ANNUNCIATOR PANEL NOTIFIER #AFM-16A CSFM #7120-0028:156 UNIT MOUNTS SEMI-FLUSH TO A 4 GANG ELECTRICAL BOX MOUNTED VERTICALLY
- (FMAP) FIRE ALARM MASTER PANEL NOTIFIER #500 CSFM #7165-0028:157 COMPLETE WITH 16 INIATING ZONES AND 10 SIGNAL CIRCUITS
- (B) FIRE ALARM SIGNAL BOOSTER PANEL SILENT KNIGHT #5295 CSFM #7300-0558:118 COMPLETE WITH 4 SIGNAL CIRCUITS, BATTERIES, AND AUTO-CHARGER. UNIT MOUNTS SURFACE

VOLTAGE DROP CALCULATIONS

VOLTS DROP = $\frac{\text{DISTANCE} \times \text{AMPS} \times 21.6}{\text{CIRCULAR MILS}}$

VOLTS DROP % = $\frac{\text{VOLTAGE DROP} \times 100}{\text{APPLIED VOLTAGE}}$

VOLTS DROP = $\frac{636 \text{ FT} \times 70.4 \text{ AMP} \times 21.6}{10380 \text{ CIR MILS}}$ = 93 VOLTS

VOLTS DROP % = $\frac{93 \text{ VOLTS} \times 100}{24 \text{ VOLTS APPLIED}}$ = 39 %

BATTERY CALCULATIONS

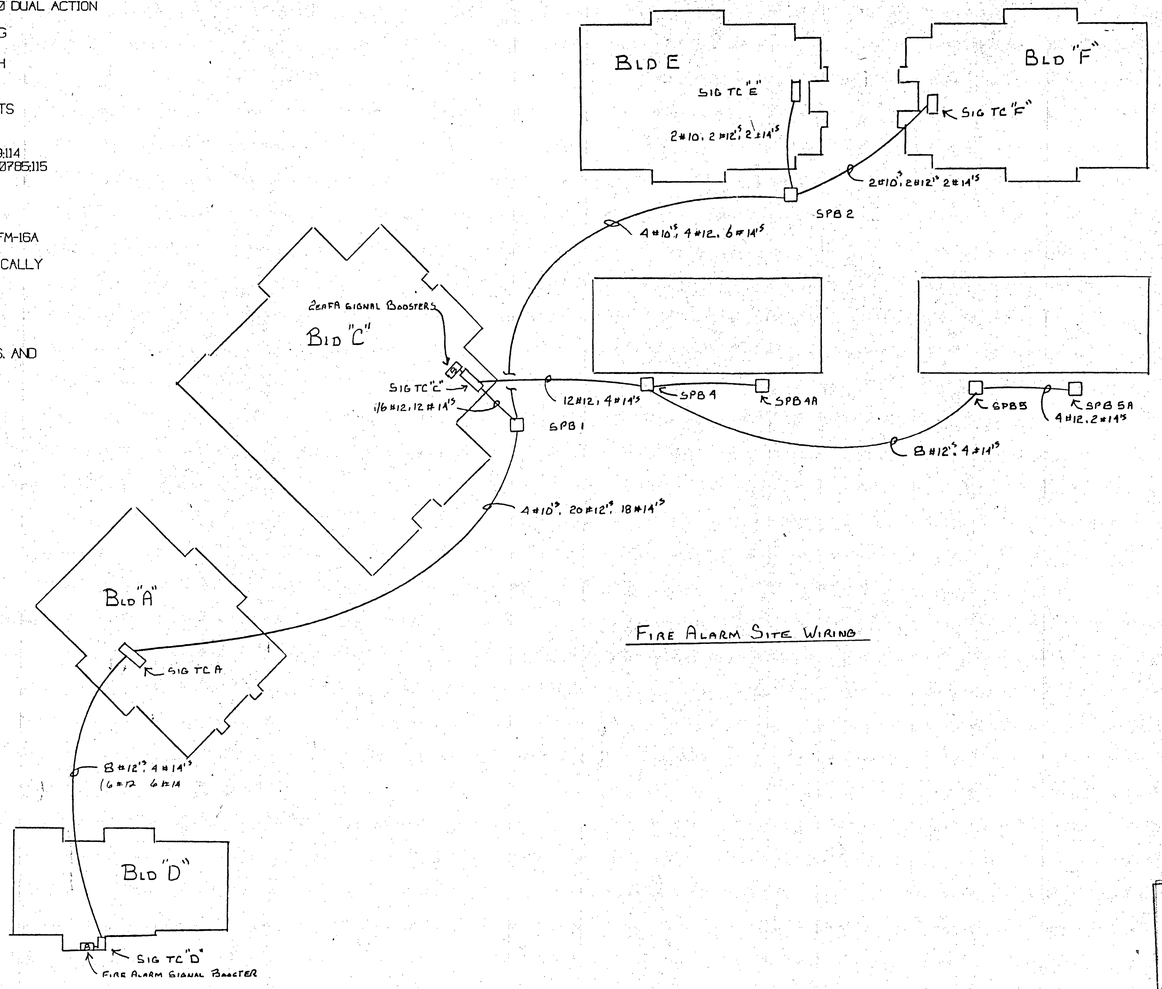
DEVICE	QUANTITY	EACH	STANDBY	ALARM
FIRE ALARM CONTROL	1	.201	.201	.461
FIRE ALARM ANNUNCIATOR	1	.025	.025	.065
SMOKE DETECTORS	29	.00042	.003	.003
HEAT DETECTORS				
PULL STATIONS				
DUCT DETECTORS				
MODULES ( )				
HORNS				
VISUAL STROBES				
AUDIO/VISUAL DEVICES	36	VAR		.4596
		TOTAL	.229	.5125

STANDBY: 124 HR. X .229 = 5.496 AH

ALARM [5] MIN [25] X .5125 = .4305

TOTAL REQUIRED = 5.927

BATTERIES FURNISHED = 7.000 AH



FIRE ALARM SITE WIRING

APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # 52-105 FLS
Checked By

Submittal #44
REVIEWED
COLOMBO CONST. CO. INC.
By:
Date: 5/30/94

This document, prepared by others, has been reviewed and is in substantial compliance with the OSA approved contract documents.

REGISTERED ARCHITECT KENNETH KLASSEN REN 5-31-95 STATE OF CALIFORNIA

Reviewed
Submittal has been reviewed as per Specification Section 01300
- ☐ no exceptions taken
- ☒ make corrections noted
- ☐ revise and resubmit
- ☐ rejected, see marks
- ☐ Remarks attached

KLASSEN CORP.
date 4.4.94 by

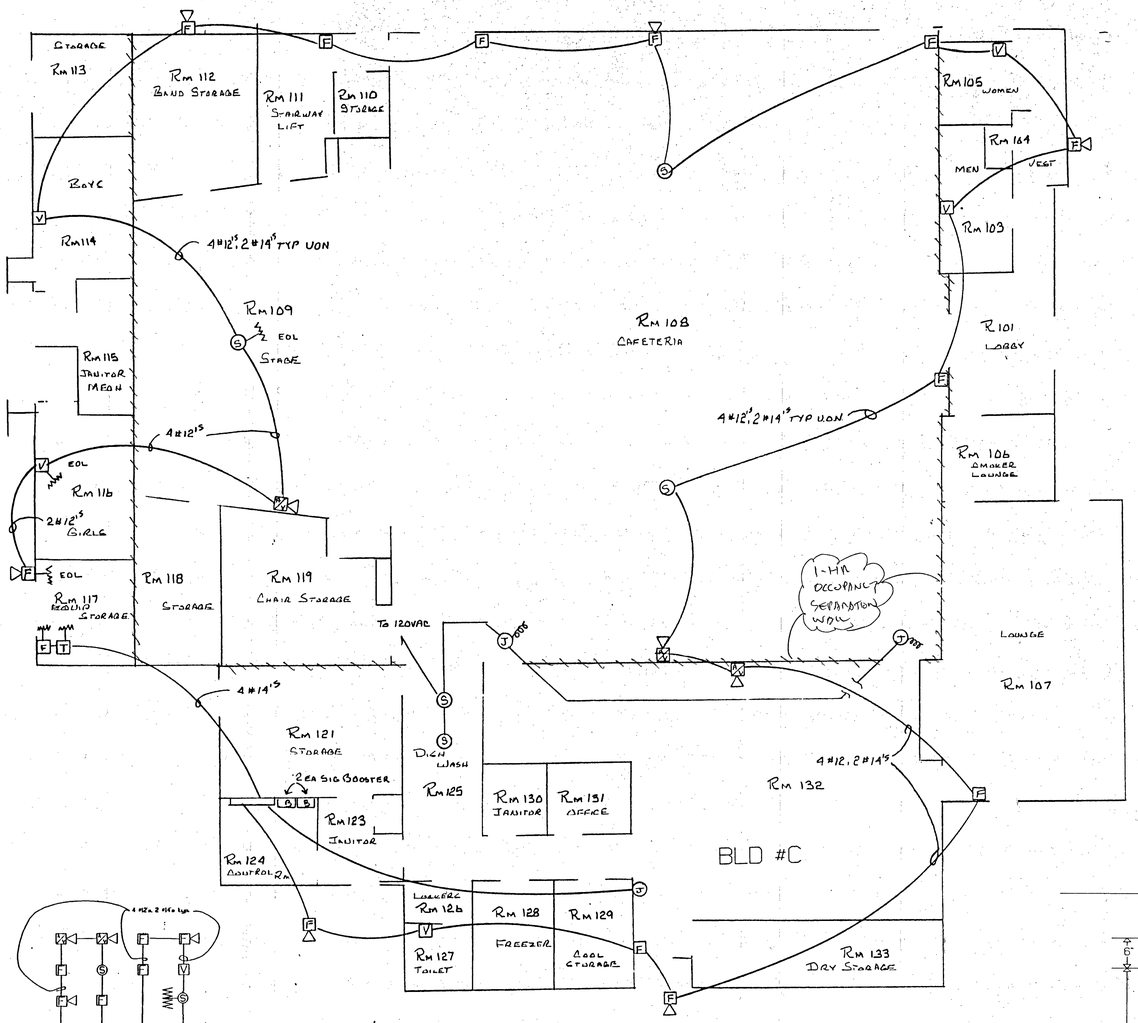
CEASAR CHAVEZ SCHOOL
BAKERSFIELD, CA.

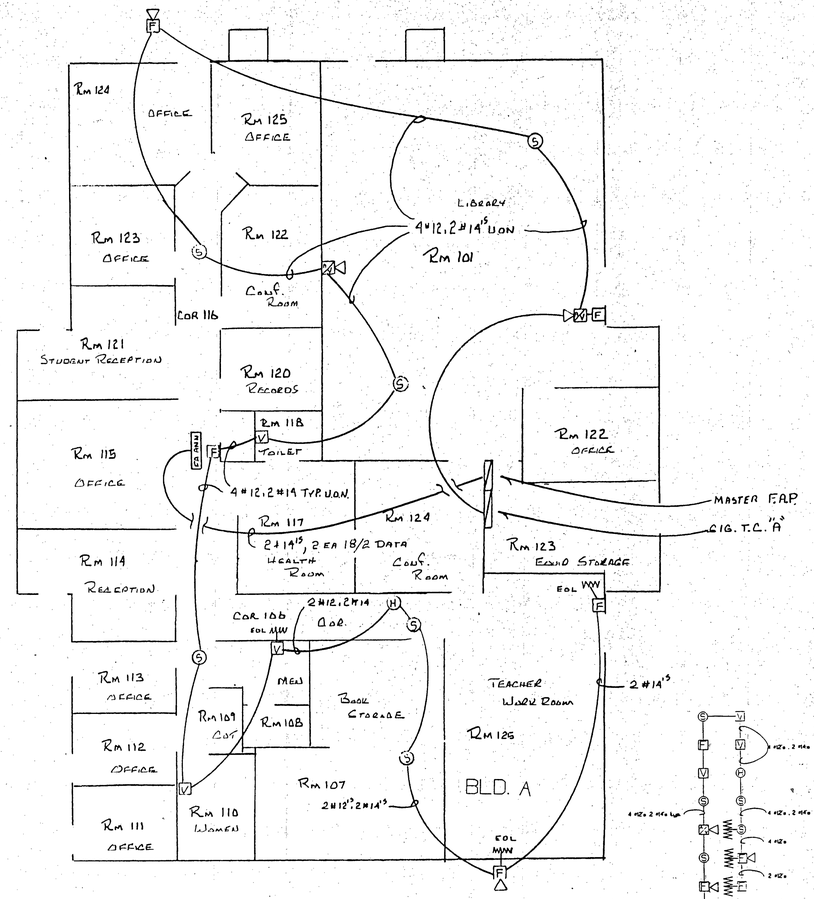
SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED Jan 19-94

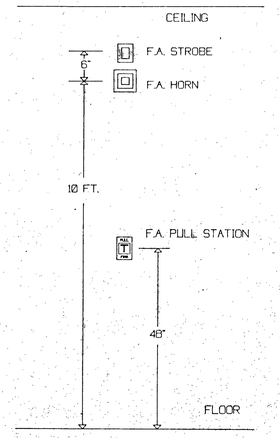
FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ Feb 22-94
BATTERY CALCULATIONS Mar 28-94

PSA-DRS # A 59162
DIST FILE # F-15-6

DRAWING NO. F1







WALL ELEVATION DETAIL
F.A. EQUIP. MOUNTING HEIGHTS

APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # 5
Checked By

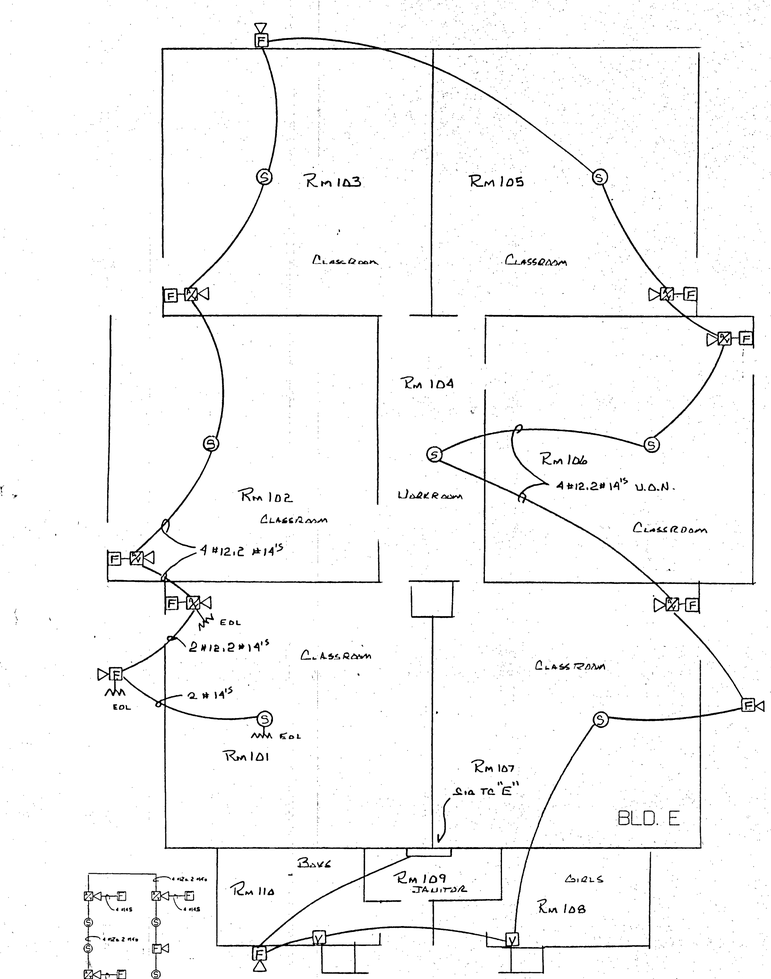
Reviewed
Submittal has been reviewed as per Specification Section 01300.
☐ no exceptions taken
☒ make corrections noted
☐ revise and resubmit
☐ rejected, see marks
☐ Remarks attached
KLASSEN CORP.
date 5.6.94 by

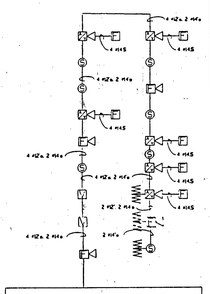
CESAR CHAVEZ SCHOOL
BAKERSFIELD, CA.

SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED JAN 19-94

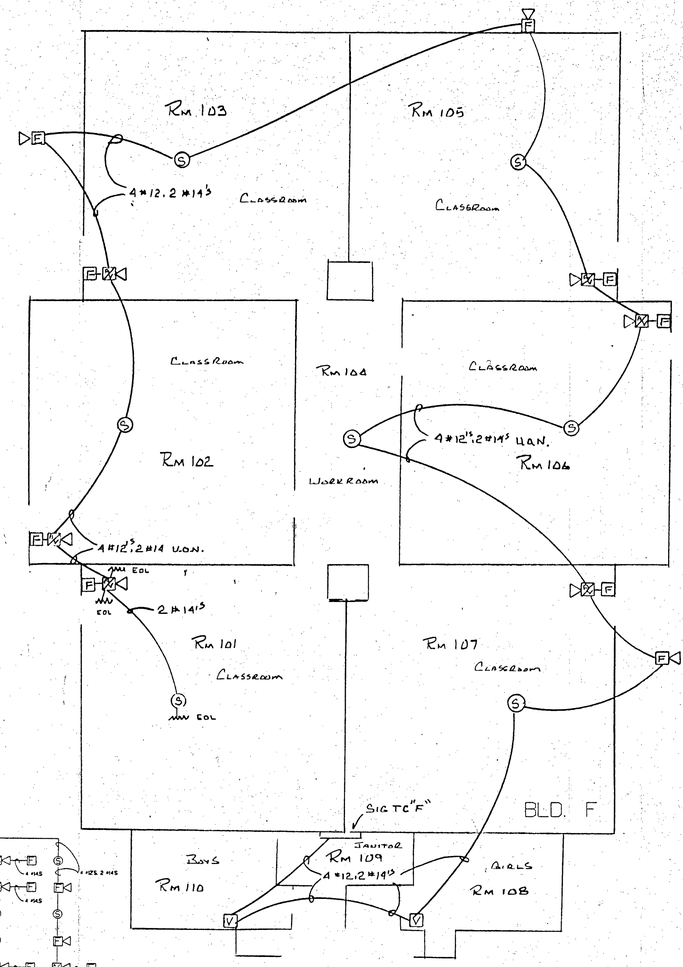
FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ BATTERY CALCULATIONS — MAR 28 94

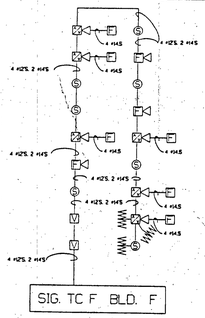
DRAWING NO. F2



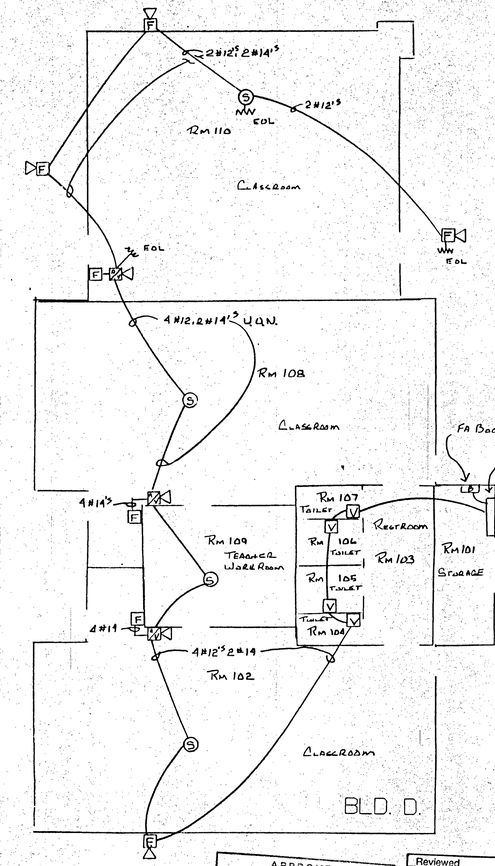


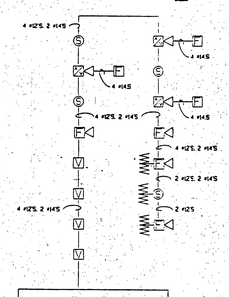
SIG. TC -E BLD. E





SIG. TC F BLD. F





SIG. TC D BLD. D.

APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # 5-92-214
Checked By

Reviewed
Submittal has been reviewed as per Specification Section 01300
- [x] no exceptions taken
- [ ] make corrections noted
- [ ] revise and resubmit
- [ ] rejected, see marks
- [ ] Remarks attached

KLASSEN CORP.
date 6-1-94 by

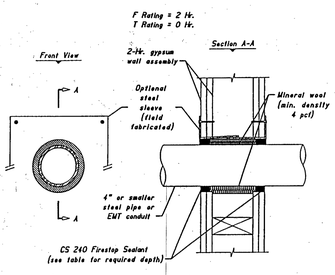
CEASAR CHAVEZ SCHOOL
BAKERSFIELD, CA.

SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED Jan 17-94

FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ BATTERY CALCULATIONS Mar 28-94

DRAWING NO. F3

Metal Pipe/Conduit Thru 2-Hr. Gypsum Wall



Pipe Dia.	Steel Sleeve	Annular Space (in.)	Mineral Wool	CS 240 Depth	"F" Rating (hrs.)	"T" Rating (hrs.)
1/2"-4"	Yes	3/4	4"	1/2"	2	0
1/2"-4"	No	3/4	3"	1"	2	0

STEP 1 - PREPARATION

All surfaces should be clean, sound and dry prior to application of firestopping materials.

STEP 2 - STEEL SLEEVE (OPTIONAL)

If sleeve will not be installed, skip to Step 3. If a sleeve will be installed, use 25 gauge galvanized sheet metal to form a cylinder with mounting flanges as shown in the drawing. Attach the flanges with 4 drywall screws on both sides of the wall.

STEP 3 - BACKING MATERIAL

WITHOUT SLEEVE

Firmly pack mineral wool (minimum density of 4 lbs./cu.ft.) into the opening to a depth of 3". Use Wrap Tape or tie wire to keep mineral wool from falling into wall cavity. Leave 1" space on both sides of the wall for Firestop Sealant.

WITH SLEEVE

Firmly pack mineral wool into the opening to a depth of 4". Leave 1/2" space on both sides of the wall for Firestop Sealant.

STEP 4 - FIRESTOP SEALANT

Apply a 1" depth (1/2" if sleeve was used) of CS 240 Firestop Sealant over the mineral wool on both sides of the wall until flush with the wall. Tool with a putty knife for a smooth appearance. Leave complete seal undisturbed for 48 hours.

FIRE ALARM SEQUENCE OF OPERATION

Upon the activation of any initiating device (manual station, smoke detector, heat detector) all fire alarm horns, mini horns, and strobes will activate. The master panel will indicate the building location where the fire alarm device was energized. All site fire alarm horns and strobes will sound until silenced. The zone light indicating the area of alarm will not be extinguished until the master panel is reset.

THE FIRE ALARM SYSTEM SHALL CONFORM TO SECTION 2-809 PART 2 OF TITLE 24 AND ARTICLE 3-760 OF PART 3, TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS, NFPA 72, AND CFC ARTICLE 14.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY. SECTION 740-16, TITLE 24, CALIFORNIA CODE OF REGULATIONS

ALL WIRE SHALL BE TYPE THHN.

FIRE STOP SEALANT HILTI #CS240 CSFM #4060-1200:100

SYMBOLS

- (F) MANUAL FIRE ALARM STATION NOTIFIER #NBG-10 DUAL ACTION CSFM #7150-0028:139 UNIT MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX WITH SINGLE GANG RING
- (S) SMOKE DETECTOR NOTIFIER #2400 CSFM #7272-1209:103 UNITS MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX WITH TWO GANG RING
- (V) VISUAL STROBE NOTIFIER #GXS4-HWR CSFM#7300-0569:114 ADA APPROVED. UNIT MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX.
- (AV) AUDIO VISUAL UNIT PER SPECIFICATIONS NOTIFIER #GXS-4HWR STROBE CSFM #7300-0569:114 WITH NOTIFIER #M12-24-R SOUNDER CSFM#7135-0765:115 MOUNTED 6 INCHES ABOVE
- (HN) FIRE ALARM HORN NOTIFIER #MA 12/24D CSFM#7135-1209:124 UNIT MOUNTS SEMI-FLUSH TO A WEATHERPROOF OUTLET BOX
- (FAP) FIRE ALARM ANNUNCIATOR PANEL NOTIFIER #AFM-16A CSFM #7120-0028:156 UNIT MOUNTS SEMI-FLUSH TO A 4 GANG ELECTRICAL BOX MOUNTED VERTICALLY
- (FFAP) FIRE ALARM MASTER PANEL NOTIFIER #500 CSFM #7165-0028:157 COMPLETE WITH 16 INIATING ZONES AND 10 SIGNAL CIRCUITS
- (B) FIRE ALARM SIGNAL BOOSTER PANEL SILENT KNIGHT #5295 CSFM #7300-0558:118 COMPLETE WITH 4 SIGNAL CIRCUITS. BATTERIES. AND AUTO-CHARGER. UNIT MOUNTS SURFACE

VOLTAGE DROP CALCULATIONS

$$\text{VOLTS DROP} = \frac{\text{DISTANCE X AMPS X 21.6}}{\text{CIRCULAR MILS}}$$

$$\text{VOLTS DROP\%} = \frac{\text{VOLTAGE DROP X 100}}{\text{APPLIED VOLTAGE}}$$

$$\text{VOLTS DROP} = \frac{636 \text{ FT X .704 AMP X 21.6}}{10380 \text{ CIR MILS}} = .93 \text{ VOLTS}$$

$$\text{VOLTS DROP \%} = \frac{.93 \text{ VOLTS X 100}}{24 \text{ VOLTS APPLIED}} = 3.9\ \%$$

BATTERY CALCULATIONS

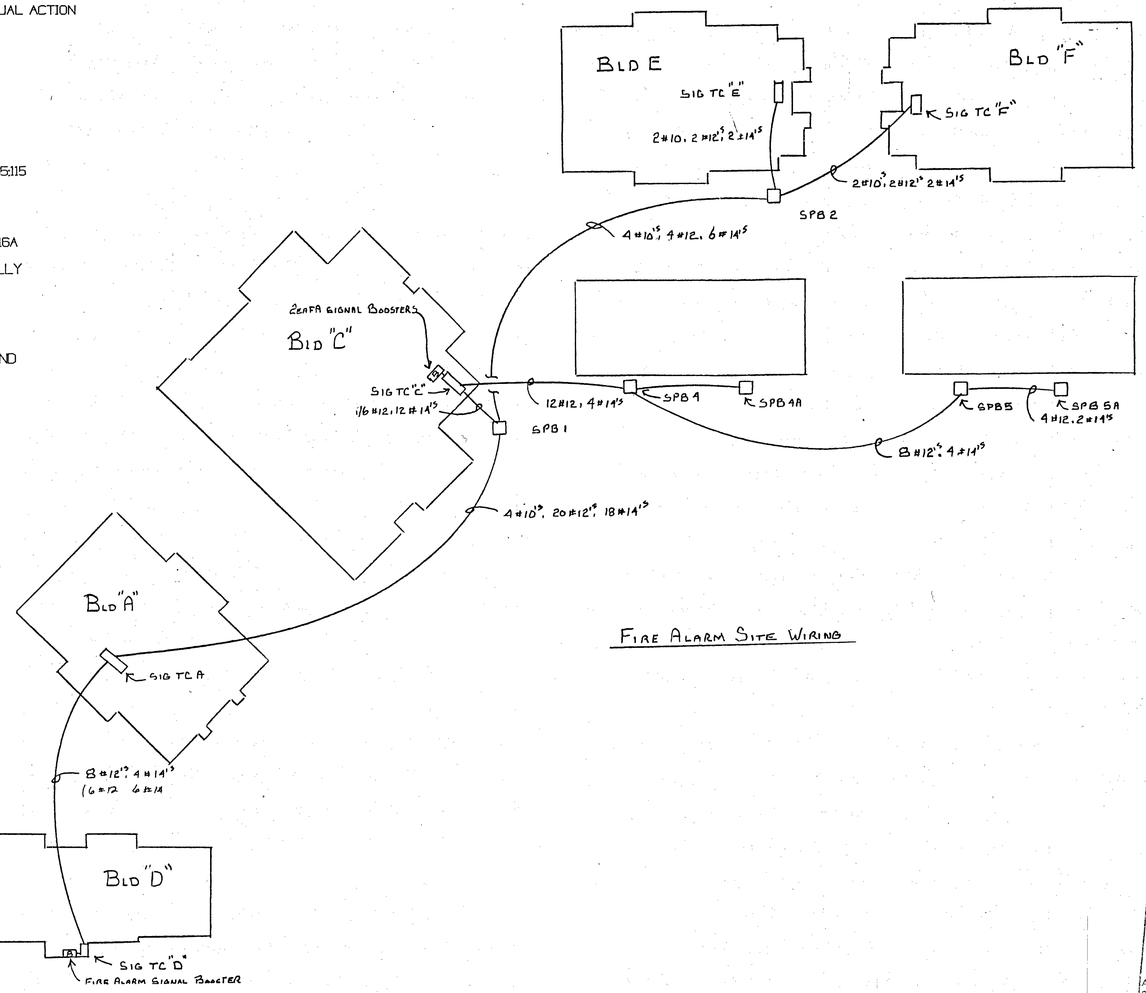
DEVICE	QUANTITY	EACH	STANDBY	ALARM
FIRE ALARM CONTROL	1	.201	.201	.461
FIRE ALARM ANNUNCIATOR	1	.025	.025	.065
SMOKE DETECTORS	29	.00002	.003	.003
HEAT DETECTORS				
PULL STATIONS				
DUCT DETECTORS				
MODULES ( )				
HORNS				
VISUAL STROBES	36	VAR		4.596
AUDIO/VISUAL DEVICES				
		TOTAL	.229	5.125

STANDBY: 124 HR. X .229 = 5.496 AH

ALARM (5) MIN (.25) X 5.125 = 4.305

TOTAL REQUIRED = 5.927

BATTERIES FURNISHED = 7.000 AH



FIRE ALARM SITE WIRING

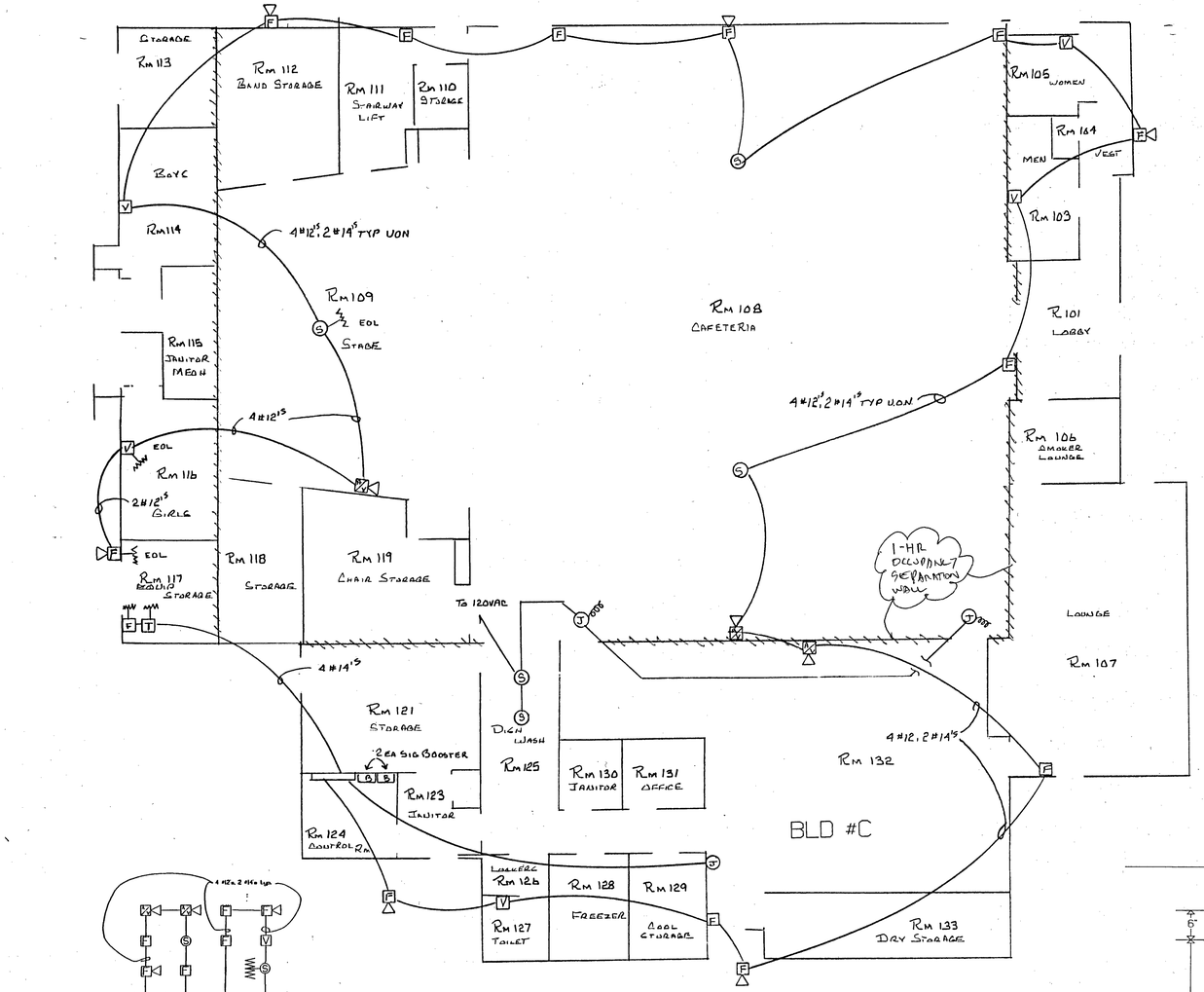
APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # 50-28
Checked By

Resubmittal #4
REVIEWED
COLLINS CONST. CO. INC.
By:
Date: 5/30/94

This document, prepared by others, has been reviewed and is in substantial compliance with the OSA approved contract documents.

Reviewed
Submittal has been reviewed as per Specification Section 01300
☐ no exceptions taken
☒ make corrections noted
☐ revise and resubmit
☐ rejected, see marks
☐ Remarks attached
KLASSEN CORP.
date 4-4-94 by

CEASAR CHAVEZ SCHOOL BAKERSFIELD, CA.		
SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED Jan 19-94
FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ BATTERY CALCULATIONS		Feb 22-94 Mar 28-94
DSA-OAS # A59162 DIST. FILE # F-15-6		DRAWING NO. F1



APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # 5 93 A 2 Pe
Checked By

CEASAR CHAVEZ SCHOOL
BAKERSFIELD, CA.

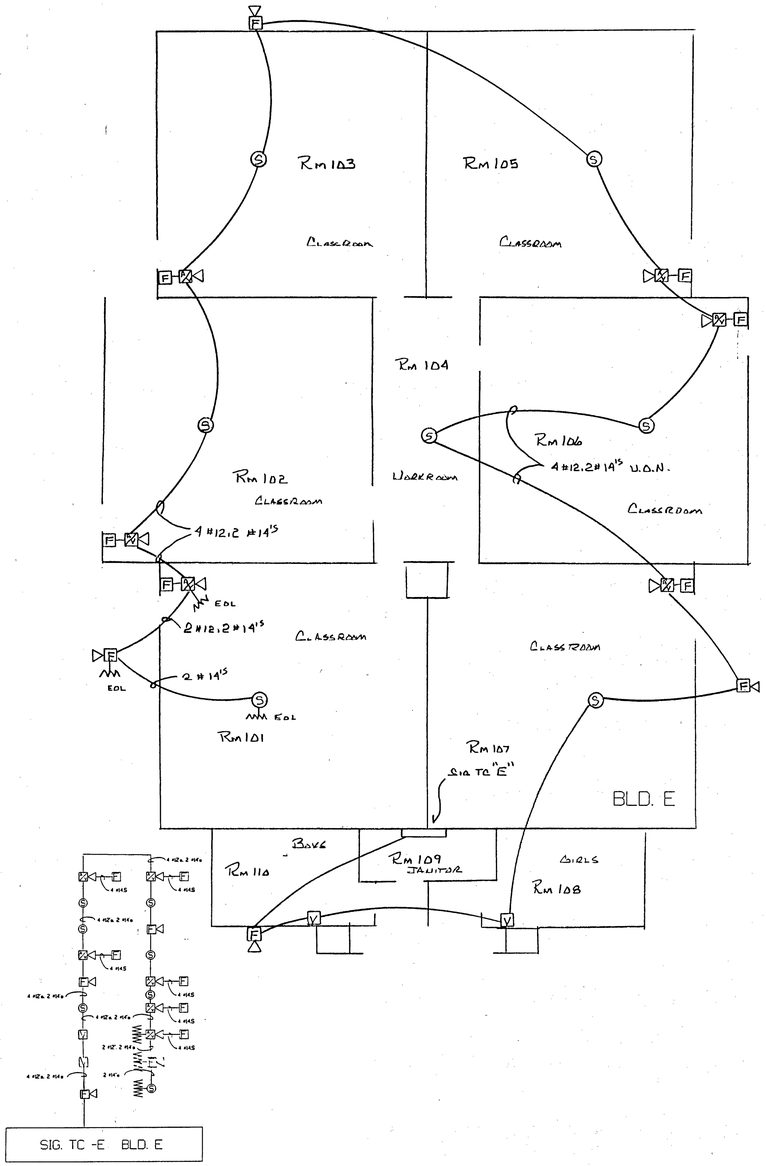
SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED JAN 19-94

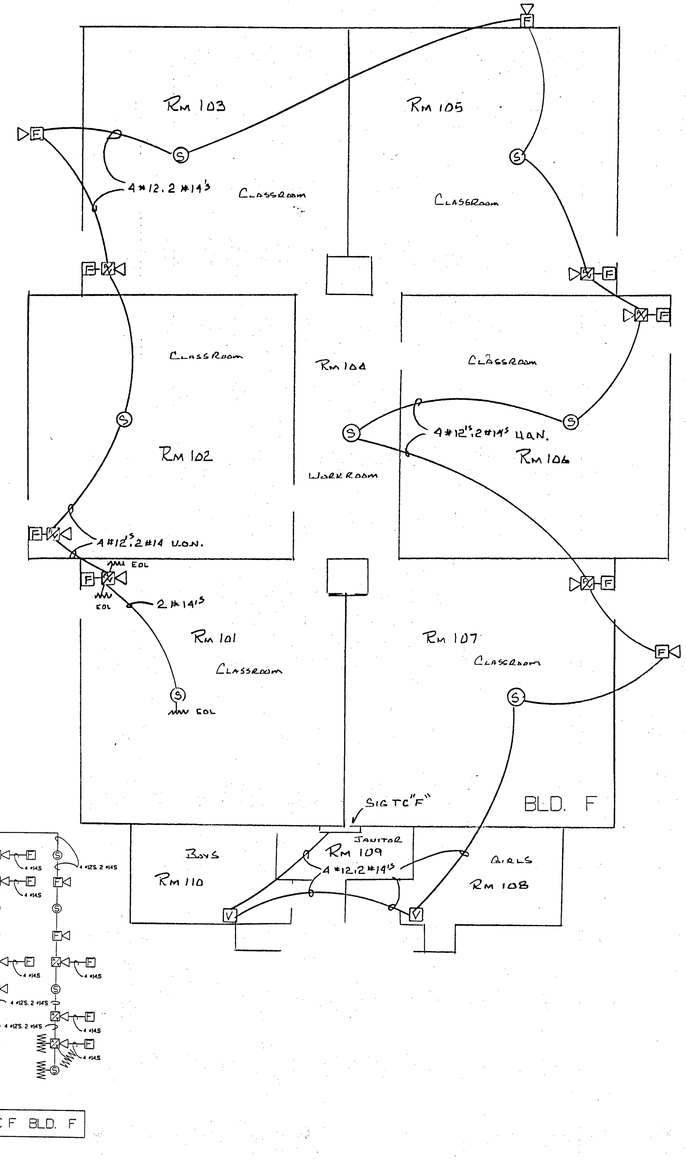
FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ BATTERY CALCULATIONS Mar 28 94

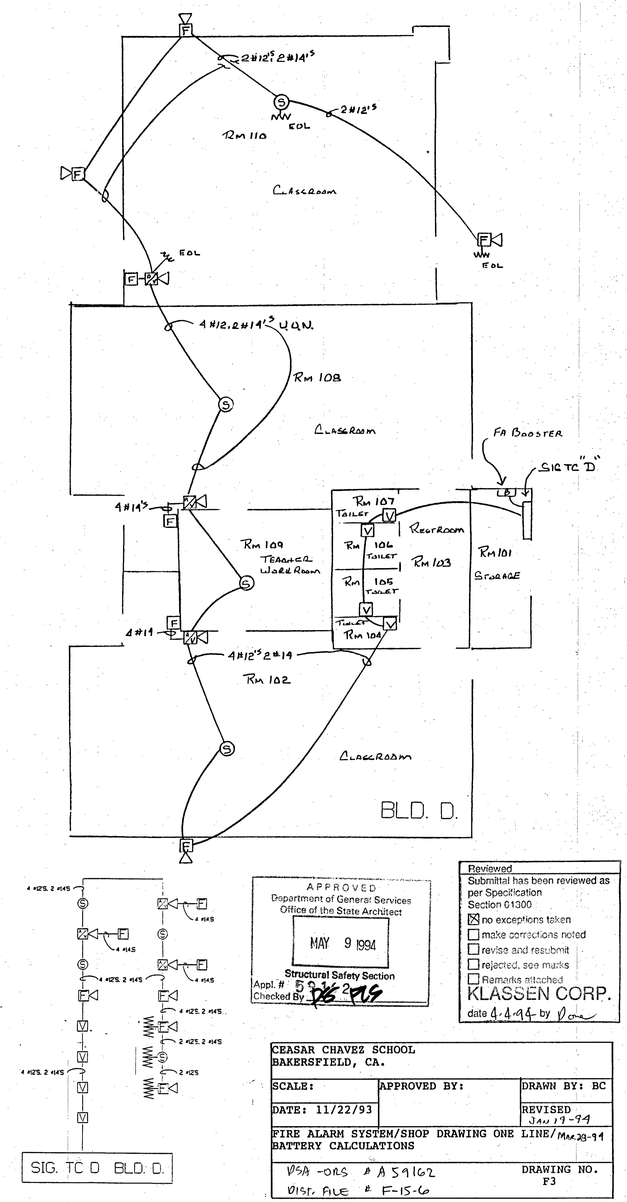
PSA-ORS # A59162	DRAWING NO. F2
DIST. FILE # F-15-C	

Reviewed
Submittal has been reviewed as per Specification Section 01300
- ☐ no exceptions taken
- ☒ make corrections noted
- ☐ revise and resubmit
- ☐ rejected, see marks
- ☐ Remarks attached

KLASSEN CORP.
date 4-4-94 by Dave





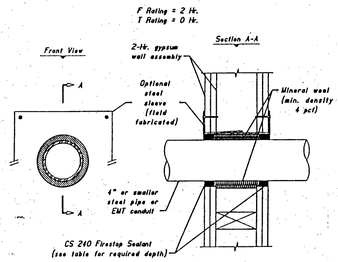


APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # 5 2 1 2
Checked By

Reviewed
Submittal has been reviewed as per Specification Section 01300
☒ no exceptions taken
☐ make corrections noted
☐ revise and resubmit
☐ rejected, see marks
☐ Remarks attached
KLASSEN CORP.
date 4-4-94 by

CEASAR CHAVEZ SCHOOL BAKERSFIELD, CA.		
SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED JAN 19-94
FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/MAR 28-94 BATTERY CALCULATIONS		
DSA -ORS # A 59162 DIST. FILE # F-15-6		DRAWING NO. F3

Metal Pipe/Conduit Thru 2-Hr. Gypsum Wall



Pipe Dia.	Steel Sleeve	Annular Space (in.)	Mineral Wool	CS 240 Depth	"F" Rating (hrs.)	"T" Rating (hrs.)
1/2"-4"	Yes	3/4	4"	1/2"	2	0
1/2"-4"	No	3/4	3"	1"	2	0

STEP 1 - PREPARATION

All surfaces should be clean, sound and dry prior to application of firestopping materials.

STEP 2 - STEEL SLEEVE (OPTIONAL)

If sleeve will not be installed, skip to Step 3. If a sleeve will be installed, use 25 gauge galvanized sheet metal to form a cylinder with mounting flanges as shown in the drawing. Attach the flanges with 4 drywall screws on both sides of the wall.

STEP 3 - BACKING MATERIAL

WITHOUT SLEEVE

Firmly pack mineral wool (minimum density of 4 lbs./cu.ft.) into the opening to a depth of 3" . Use Wrap Tape or tie wire to keep mineral wool from falling into wall cavity. Leave 1" space on both sides of the wall for Firestop Sealant.

WITH SLEEVE

Firmly pack mineral wool into the opening to a depth of 4". Leave 1/2" space on both sides of the wall for Firestop Sealant.

STEP 4 - FIRESTOP SEALANT

Apply a 1" depth (1/2" if sleeve was used) of CS 240 Firestop Sealant over the mineral wool on both sides of the wall until flush with the wall. Tool with a putty knife for a smooth appearance. Leave complete seal undisturbed for 48 hours.

SYMBOLS

- (M) MANUAL FIRE ALARM STATION NOTIFIER #NBG-10 DUAL ACTION CSFM #7150-028:139 UNIT MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX WITH SINGLE GANG RING
- (S) SMOKE DETECTOR NOTIFIER #2400 CSFM #7272-1209:103 UNITS MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX WITH TWO GANG RING
- (V) VISUAL STROBE NOTIFIER #GXS4-HWR CSFM#7300-0569:114 ADA APPROVED, UNIT MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX.
- (AV) AUDIO VISUAL UNIT PER SPECIFICATIONS NOTIFIER #GXS-4HWR STROBE CSFM #7300-0569:114 WITH NOTIFIER #MIZ-24-R SOUNDER CSFM#7135-0785:115 MOUNTED 6 INCHES ABOVE
- (H) FIRE ALARM HORN NOTIFIER #MA 12/24D CSFM#7135-1209:124 UNIT MOUNTS SEMI-FLUSH TO A WEATHERPROOF OUTLET BOX
- FAAP FIRE ALARM ANNUNCIATOR PANEL NOTIFIER #AFM-16A CSFM #7120-0028:156 UNIT MOUNTS SEMI-FLUSH TO A 4 GANG ELECTRICAL BOX MOUNTED VERTICALLY
- FFAP FIRE ALARM MASTER PANEL NOTIFIER #500 CSFM #7165-0028:157 COMPLETE WITH 16 INIATING ZONES AND 10 SIGNAL CIRCUITS
- B FIRE ALARM SIGNAL BOOSTER PANEL SILENT KNIGHT #5295 CSFM #7300-0558:118 COMPLETE WITH 4 SIGNAL CIRCUITS. BATTERIES. AND AUTO-CHARGER. UNIT MOUNTS SURFACE

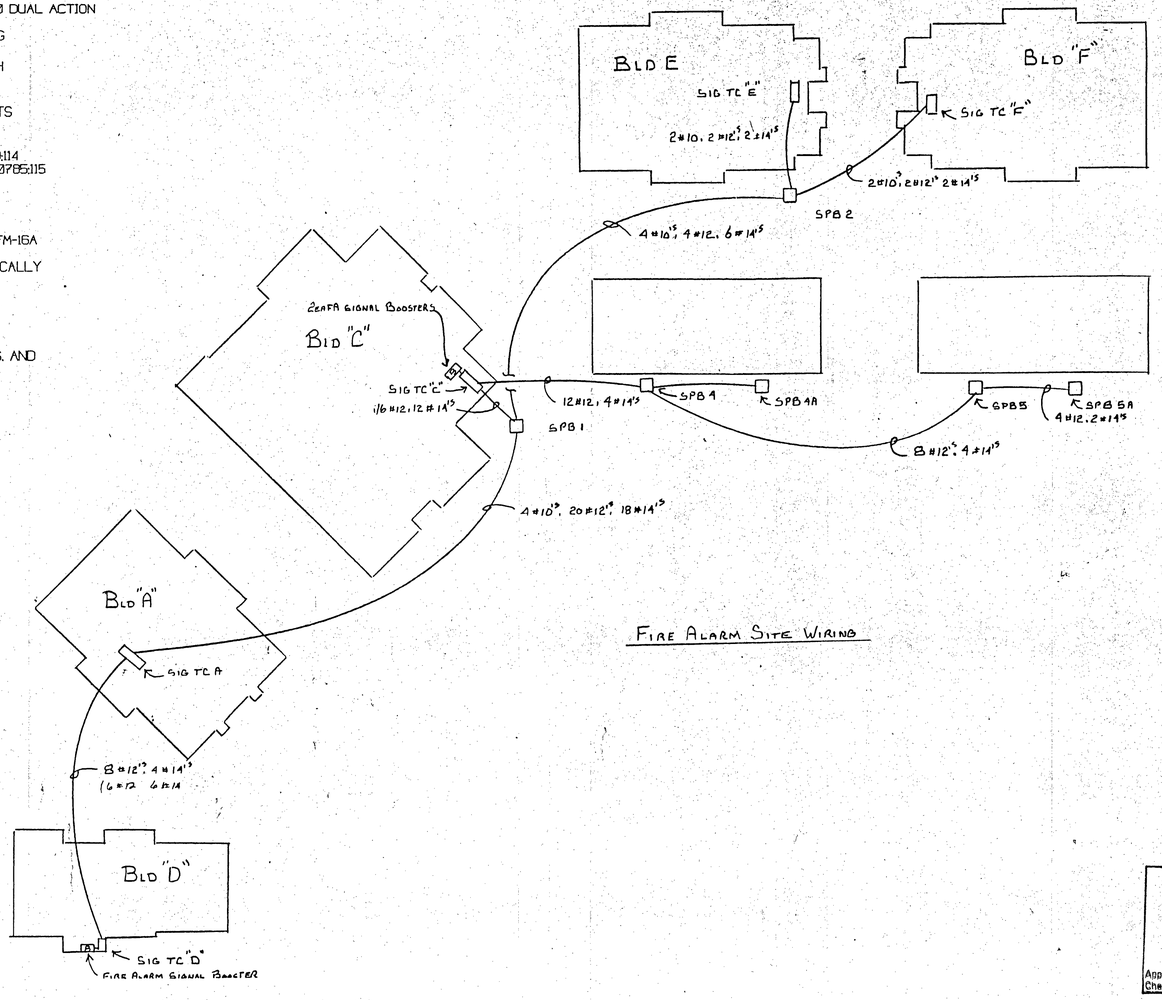
VOLTAGE DROP CALCULATIONS

$$\text{VOLTS DROP} = \frac{\text{DISTANCE} \times \text{AMPS} \times 21.6}{\text{CIRCULAR MILS}}$$

$$\text{VOLTS DROP\%} = \frac{\text{VOLTAGE DROP} \times 100}{\text{APPLIED VOLTAGE}}$$

$$\text{VOLTS DROP} = \frac{636 \text{ FT} \times .704 \text{ AMP} \times 21.6}{10380 \text{ CIR MILS}} = .93 \text{ VOLTS}$$

$$\text{VOLTS DROP \%} = \frac{.93 \text{ VOLTS} \times 100}{24 \text{ VOLTS APPLIED}} = 3.9\ \%$$



FIRE ALARM SITE WIRING

BATTERY CALCULATIONS

DEVICE	QUANTITY	EACH	STANDBY	ALARM
FIRE ALARM CONTROL	1	.20I	.20I	.46I
FIRE ALARM ANNUNCIATOR	1	.025	.025	.065
SMOKE DETECTORS	29	.00002	.003	.003
HEAT DETECTORS				
PULL STATIONS				
DUCT DETECTORS				
MODULES ( )				
HORNS				
VISUAL STROBES				
AUDIO/VISUAL DEVICES	36	VAR		4.596
		TOTAL	.229	5.125

STANDBY: 12A 3HR. X .229 = 5.496 AH

ALARM (5) MIN (25) X 5.125 = 4.305

TOTAL REQUIRED = 5.927

BATTERIES FURNISHED = 7.000 AH

FIRE ALARM SEQUENCE OF OPERATION

Upon the activation of any initiating device (manual station, smoke detector, heat detector) all fire alarm horns, mini horns, and strobes will activate. The master panel will indicate the building location where the fire alarm device was energized. All site fire alarm horns and strobes will sound until silenced. The zone light indicating the area of alarm will not be extinguished until the master panel is reset.

THE FIRE ALARM SYSTEM SHALL CONFORM TO SECTION 2-809 PART 2 OF TITLE 24 AND ARTICLE 3-760 OF PART 3, TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS, NFPA 72, AND CFC ARTICLE 14.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY. SECTION 740-16, TITLE 24, CALIFORNIA CODE OF REGULATIONS

ALL WIRE SHALL BE TYPE THHN.

FIRE STOP SEALANT HILTI #CS240 CSFM #4060-1200:100

APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # 0 1
Checked By

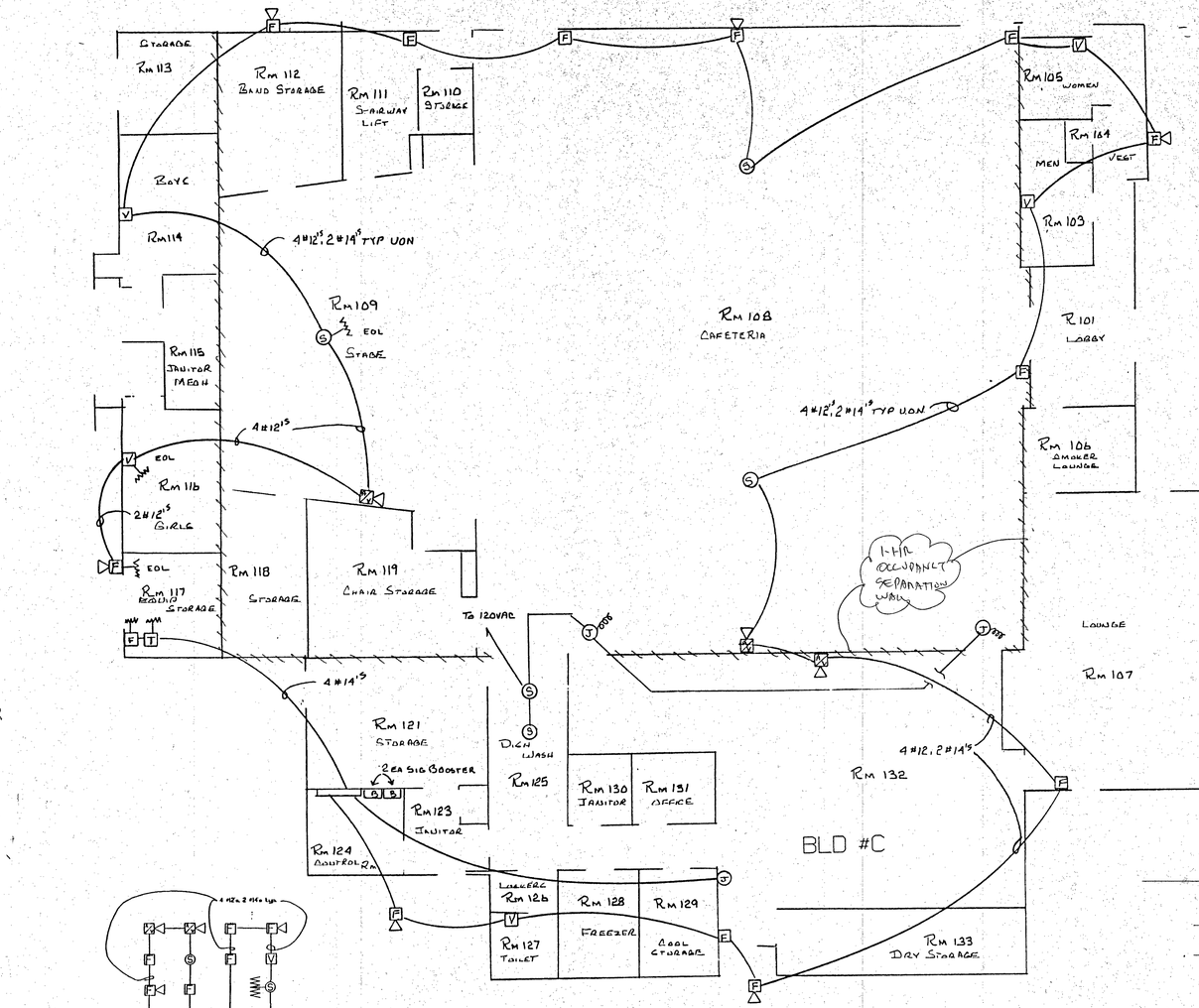
Reviewed #4CR
REVIEWED
COLOMBO CONST. CO. INC.
By:
Date: 3/30/94

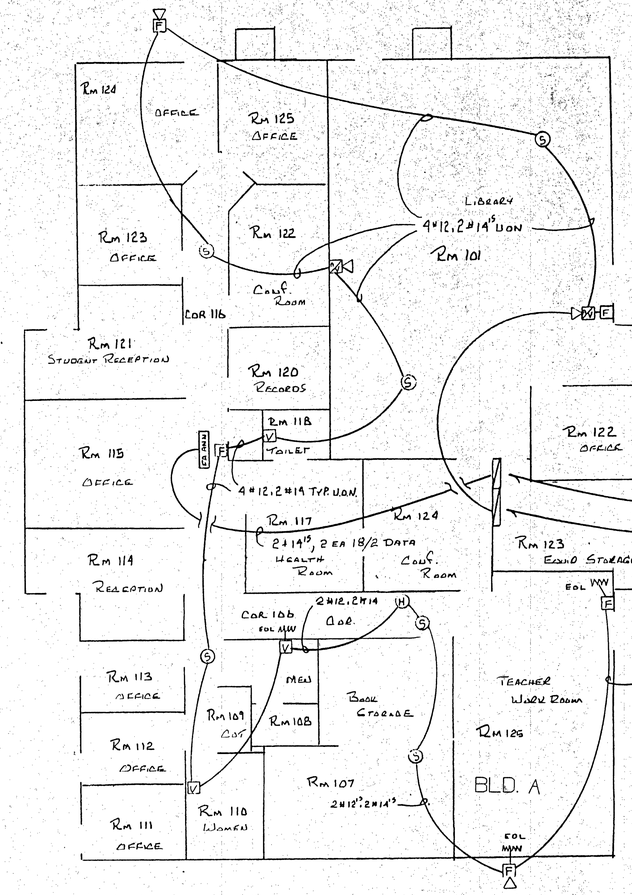
59162R

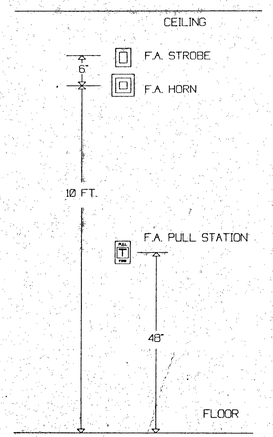
LICENSED ARCHITECT ROBERT ALLEN KLASSEN C-26810 REN 1-31-95 STATE OF CALIFORNIA

Reviewed
Submittal has been reviewed as per Specification Section 01300
☐ no exceptions taken
☒ make corrections noted
☐ revise and resubmit
☐ rejected, see marks
☐ Remarks attached
KLASSEN CORP.
date 4.9.94 by Pmc

CEASAR CHAVEZ SCHOOL BAKERSFIELD, CA.		
SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED JAN 19-94
FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ Feb 22-94 BATTERY CALCULATIONS		Mar 28-94
DSA-ORS # A59162 DIST FILE # F-15-26		DRAWING NO. F1







WALL ELEVATION DETAIL
F.A. EQUIP. MOUNTING HEIGHTS

APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # 59-82
Checked By

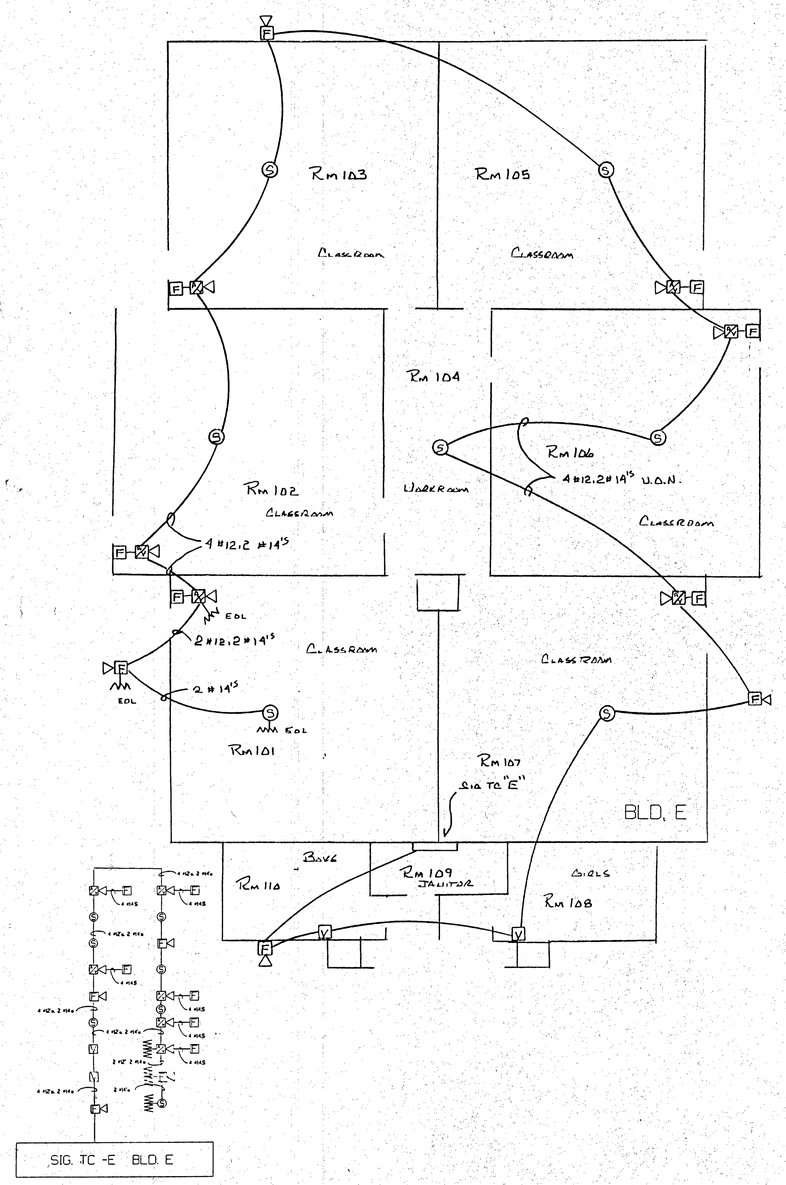
Reviewed
Submittal has been reviewed as per Specification Section 01300
☐ no exceptions taken
☒ make corrections noted
☐ revise and resubmit
☐ rejected, see marks
☐ Remarks attached
KLASSEN CORP.
date 4.4.94 by

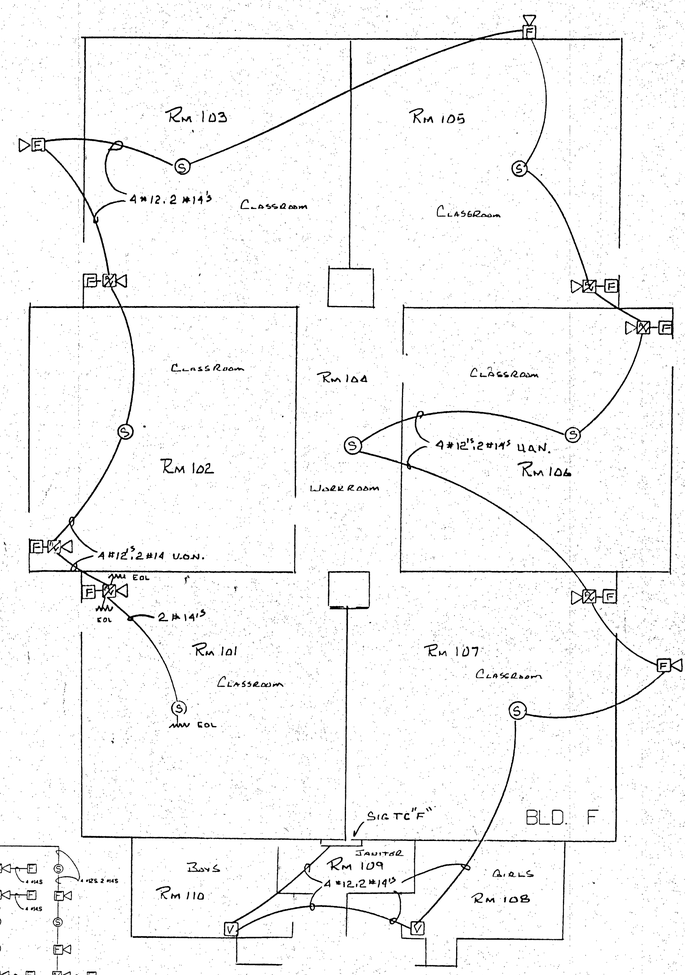
CEASAR CHAVEZ SCHOOL
BAKERSFIELD, CA.

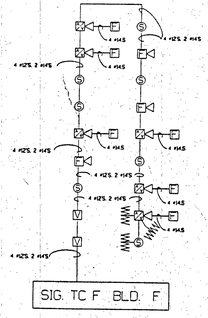
SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED JAN 19-94

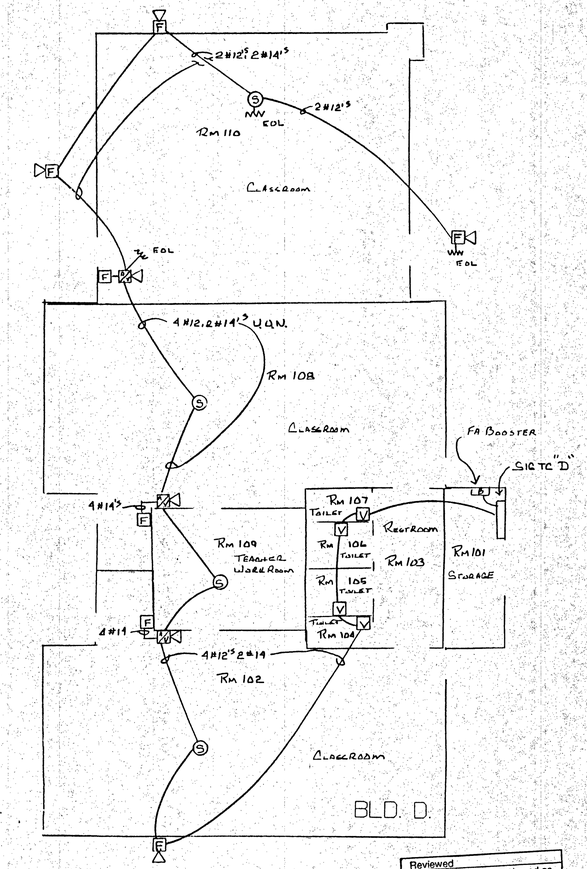
FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ BATTERY CALCULATIONS Mar 22 94

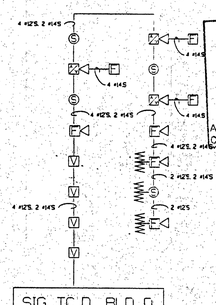
DRAWING NO. F2









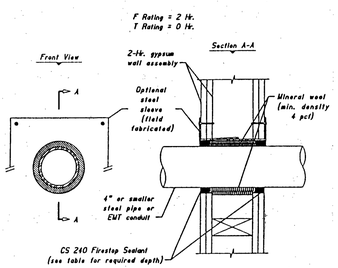


APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # F
Checked By

Reviewed
Submittal has been reviewed as per Specification Section 01300
☒ no exceptions taken
☐ make corrections noted
☐ revise and resubmit
☐ rejected, see marks
☐ Remarks attached
KLASSEN CORP.
date 4-4-94 by

CEASAR CHAVEZ SCHOOL BAKERSFIELD, CA.		
SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED JAN 17-94
FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ BATTERY CALCULATIONS		MAR 29-94
		DRAWING NO. F3

Metal Pipe/Conduit Thru 2-Hr. Gypsum Wall



Pipe Dia.	Steel Sleeve	Annular Space (in.)	Mineral Wool	CS 240 Depth	"F" Rating (hrs.)	"T" Rating (hrs.)
1/2"-4"	Yes	3/4	4"	1/2"	2	0
1/2"-4"	No	3/4	3"	1"	2	0

STEP 1 - PREPARATION

All surfaces should be clean, sound and dry prior to application of firestopping materials.

STEP 2 - STEEL SLEEVE (OPTIONAL)

If sleeve will not be installed, skip to Step 3. If a sleeve will be installed, use 25 gauge galvanized sheet metal to form a cylinder with mounting flanges as shown in the drawing. Attach the flanges with 4 drywall screws on both sides of the wall.

STEP 3 - BACKING MATERIAL

WITHOUT SLEEVE

Firmly pack mineral wool (minimum density of 4 lbs./cu.ft.) into the opening to a depth of 3" . Use Wrap Tape or tie wire to keep mineral wool from falling into wall cavity. Leave 1" space on both sides of the wall for Firestop Sealant.

WITH SLEEVE

Firmly pack mineral wool into the opening to a depth of 4". Leave 1/2" space on both sides of the wall for Firestop Sealant.

STEP 4 - FIRESTOP SEALANT

Apply a 1" depth (1/2" if sleeve was used) of CS 240 Firestop Sealant over the mineral wool on both sides of the wall until flush with the wall. Tool with a putty knife for a smooth appearance. Leave complete seal undisturbed for 48 hours.

FIRE ALARM SEQUENCE OF OPERATION

Upon the activation of any initiating device (manual station, smoke detector, heat detector) all fire alarm horns, mini horns, and strobes will activate. The master panel will indicate the building location where the fire alarm device was energized. All site fire alarm horns and strobes will sound until silenced. The zone light indicating the area of alarm will not be extinguished until the master panel is reset.

THE FIRE ALARM SYSTEM SHALL CONFORM TO SECTION 2-809 PART 2 OF TITLE 24 AND ARTICLE 3-760 OF PART 3, TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS, NFPA 72, AND CFC ARTICLE 14.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY. SECTION 740-16, TITLE 24, CALIFORNIA CODE OF REGULATIONS

ALL WIRE SHALL BE TYPE THHN.

FIRE STOP SEALANT HILTI #CS240 CSFM #4060-1200:100

SYMBOLS

- (M) MANUAL FIRE ALARM STATION NOTIFIER #NBG-10 DUAL ACTION CSFM #7150-0028:139 UNIT MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX WITH SINGLE GANG RING
- (S) SMOKE DETECTOR NOTIFIER #2400 CSFM #7272-1209:103 UNITS MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX WITH TWO GANG RING
- (V) VISUAL STROBE NOTIFIER #GXS4-HWR CSFM#7300-0569:114 ADA APPROVED. UNIT MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX.
- (AV) AUDIO VISUAL UNIT PER SPECIFICATIONS NOTIFIER #GXS-4HWR STROBE CSFM #7300-0569:114 WITH NOTIFIER #MIZ-24-R SOUNDER CSFM#7135-0785:115 MOUNTED 6 INCHES ABOVE
- (H) FIRE ALARM HORN NOTIFIER #MA 12/24D CSFM#7135-1209:124 UNIT MOUNTS SEMI-FLUSH TO A WEATHERPROOF OUTLET BOX
- (FAAP) FIRE ALARM ANNUNCIATOR PANEL NOTIFIER #AFM-16A CSFM #7120-0028:156 UNIT MOUNTS SEMI-FLUSH TO A 4 GANG ELECTRICAL BOX MOUNTED VERTICALLY
- (FFAP) FIRE ALARM MASTER PANEL NOTIFIER #500 CSFM #7165-0028:157 COMPLETE WITH 16 INIATING ZONES AND 10 SIGNAL CIRCUITS
- (B) FIRE ALARM SIGNAL BOOSTER PANEL SILENT KNIGHT #5295 CSFM #7300-0558:118 COMPLETE WITH 4 SIGNAL CIRCUITS. BATTERIES. AND AUTO-CHARGER. UNIT MOUNTS SURFACE

VOLTAGE DROP CALCULATIONS

VOLTS DROP = $\frac{\text{DISTANCE} \times \text{AMPS} \times 21.6}{\text{CIRCULAR MILS}}$

VOLTS DROP % = $\frac{\text{VOLTAGE DROP} \times 100}{\text{APPLIED VOLTAGE}}$

VOLTS DROP = $\frac{636 \text{ FT} \times .794 \text{ AMP} \times 21.6}{10380 \text{ CIR MILS}}$ = .93 VOLTS

VOLTS DROP % = $\frac{.93 \text{ VOLTS} \times 100}{24 \text{ VOLTS APPLIED}}$ = 3.9 %

BATTERY CALCULATIONS

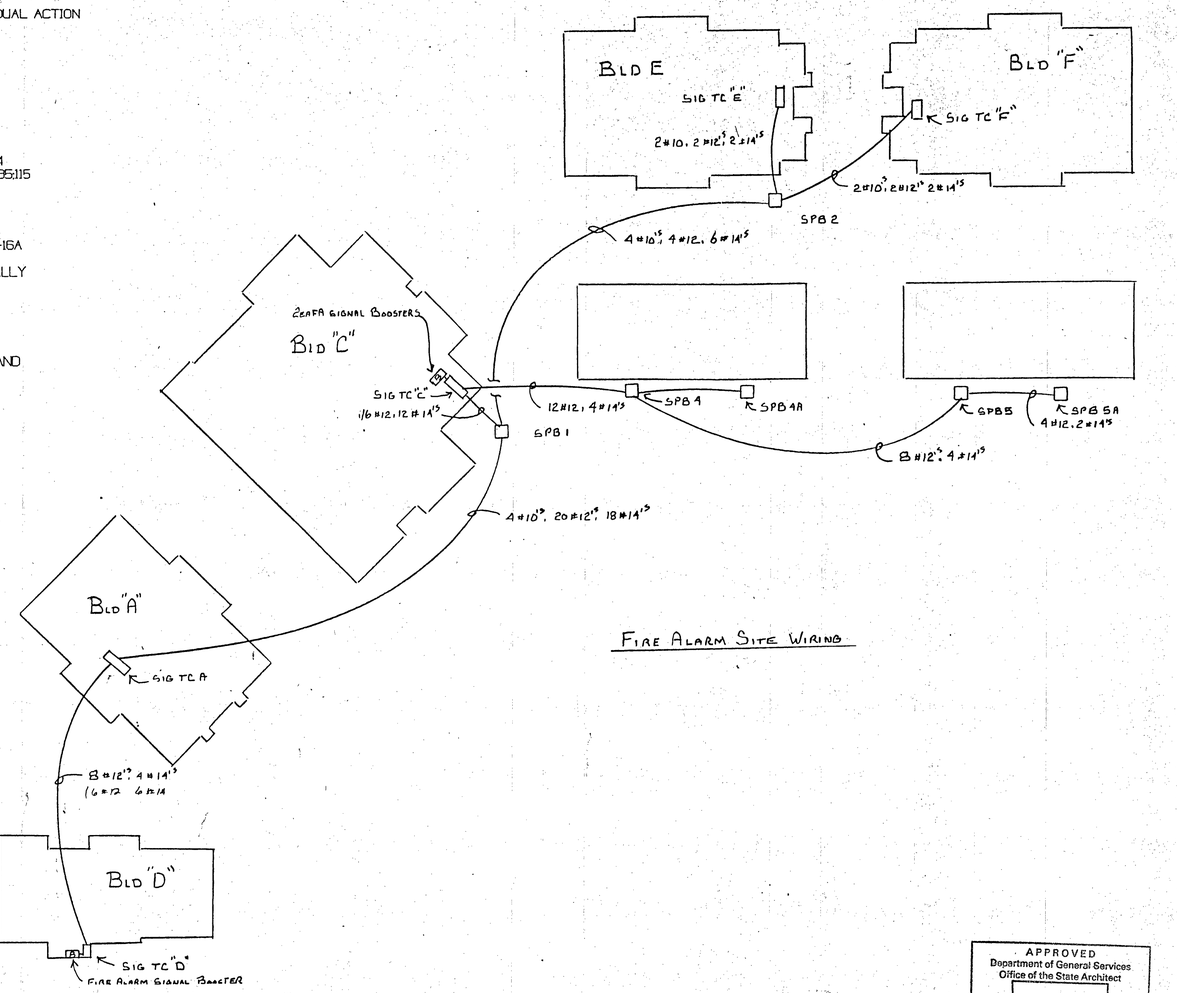
DEVICE	QUANTITY	EACH	STANDBY	ALARM
FIRE ALARM CONTROL	1	.201	.201	.461
FIRE ALARM ANNUNCIATOR	1	.025	.025	.065
SMOKE DETECTORS	29	.00002	.003	.003
HEAT DETECTORS				
PULL STATIONS				
DUCT DETECTORS				
MODULES ( )				
HORNS				
VISUAL STROBES	36	VAR		.1596
AUDIO/VISUAL DEVICES				
		TOTAL	.229	.5125

STANDBY: 124 HR. X .229 = 5.496 AH

ALARM .05 HR (2.5) X .5125 = 4.105

TOTAL REQUIRED = 5.927

BATTERIES FURNISHED = 7.000 AH



FIRE ALARM SITE WIRING

This document, prepared by others, has been reviewed and is in substantial compliance with the OSA approved contract documents.

LICENSED ARCHITECT JOHN ALLEN KLASSEN REN 1-31-96 STATE OF CALIFORNIA

Reviewed
Submittal has been reviewed as per Specification Section 01300
- ☐ no exceptions taken
- ☒ make corrections noted
- ☐ revise and resubmit
- ☐ rejected, see marks
- ☐ Remarks attached

KLASSEN CORP.
date 4.4.94 by

APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # 5.9.76.2
Checked By

REVIEWED
COLOMBO CONST. CO. INC.
By:
Date: 3/30/94

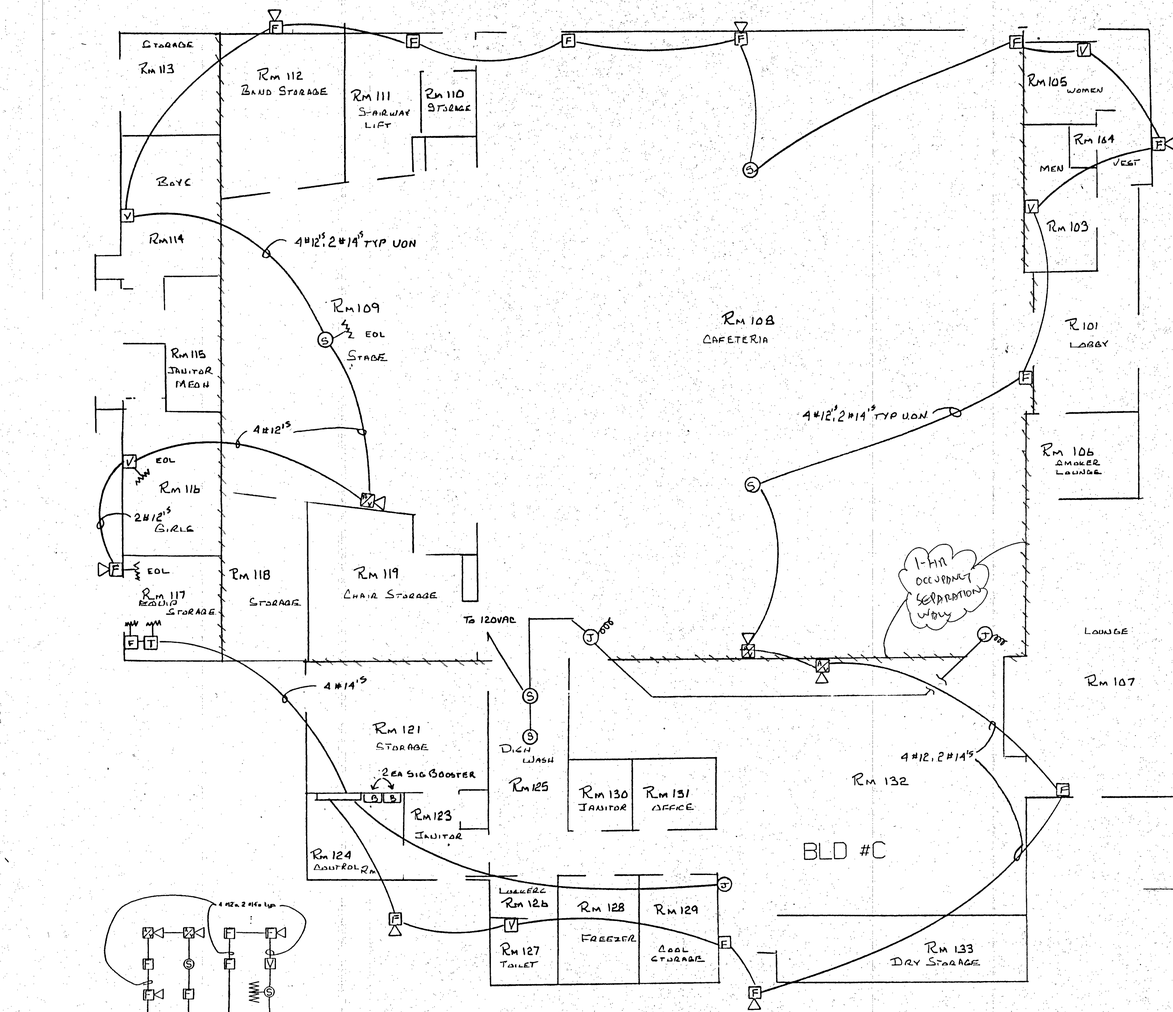
CEASAR CHAVEZ SCHOOL
BAKERSFIELD, CA.

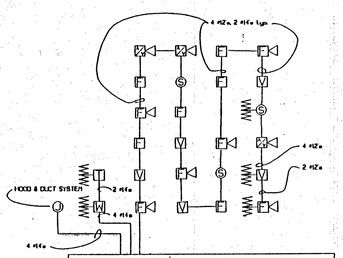
SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED Jan 19-94

FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ Feb 22-94
BATTERY CALCULATIONS Mar 28-94

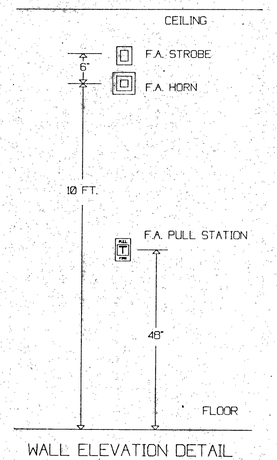
OSA-ORS # A 59162
DIST. FILE # F-15-C

DRAWING NO. F1

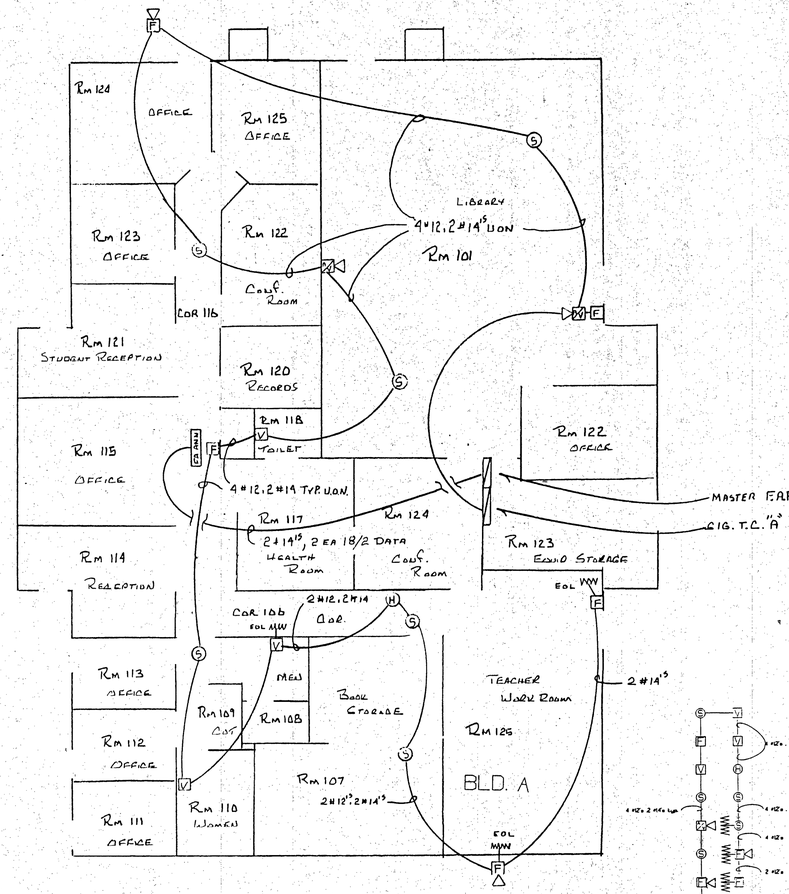


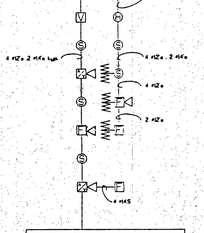


TC-C BLD #C CAFETERIA



WALL ELEVATION DETAIL
F.A. EQUIP. MOUNTING HEIGHTS





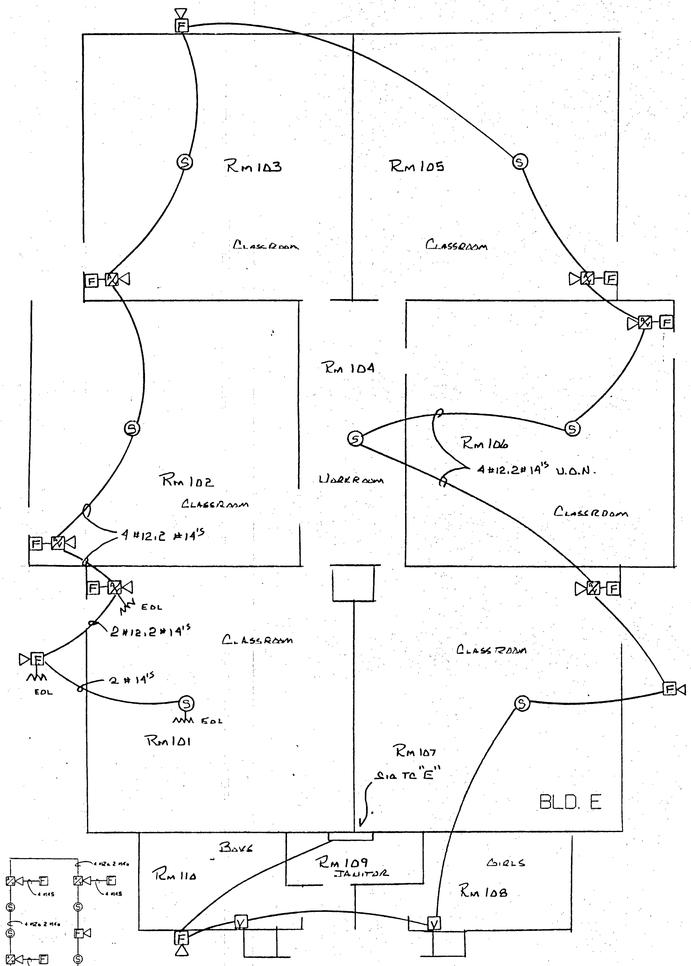
TC A BLD. A ADMIN.

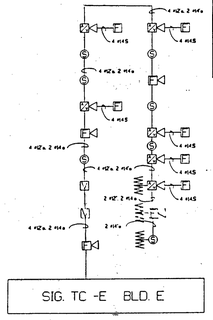
APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # 5 96 27
Checked By

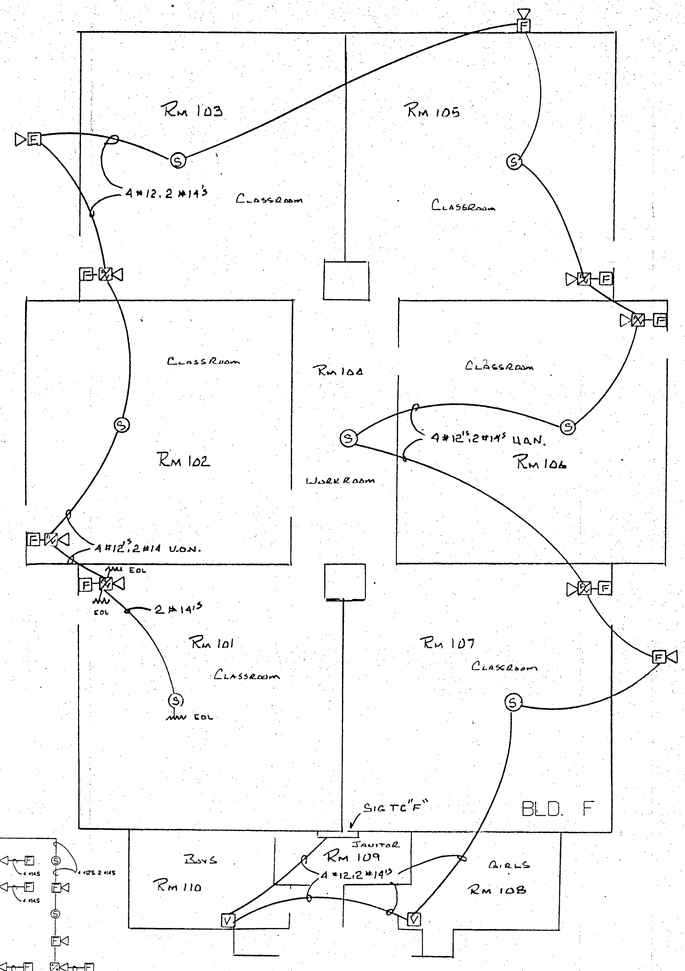
CEASAR CHAVEZ SCHOOL BAKERSFIELD, CA.		
SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED JAN 19-94
FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ BATTERY CALCULATIONS		Mar 20 94
		DRAWING NO. F2

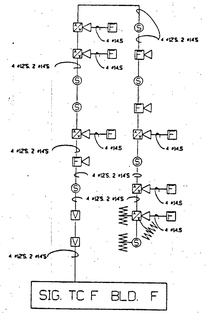
Reviewed
Submittal has been reviewed as per Specification Section 01300
- ☐ no exceptions taken
- ☒ make corrections noted
- ☐ revise and resubmit
- ☐ rejected, see marks
- ☐ Remarks attached

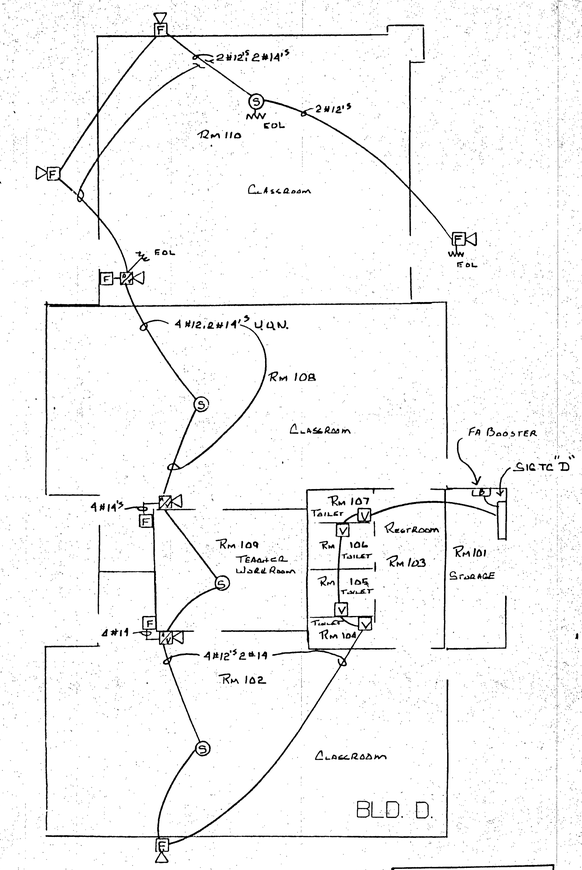
KLASSEN CORP.
date 4-6-94 by Dme

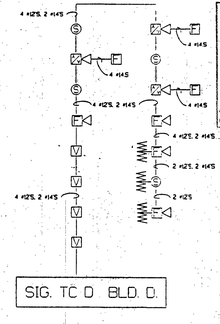










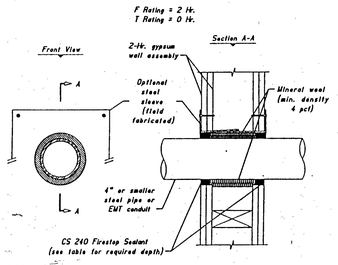


APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. #
Checked By

Reviewed
Submittal has been reviewed as per Specification Section 01300
☒ no exceptions taken
☐ make corrections noted
☐ revise and resubmit
☐ rejected, see marks
☐ Remarks attached
KLASSEN CORP.
date 4-4-94 by

CEASAR CHAVEZ SCHOOL BAKERSFIELD, CA.		
SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED JAN 17-94
FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ BATTERY CALCULATIONS		MAR 28-94
		DRAWING NO. F3

Metal Pipe/Conduit Thru 2-Hr. Gypsum Wall



Pipe Dia.	Steel Sleeve	Annular Space (in.)	Mineral Wool	CS 240 Depth	"F" Rating (hrs.)	"T" Rating (hrs.)
1/2"-4"	Yes	3/4	4"	1/2"	2	0
1/2"-4"	No	3/4	3"	1"	2	0

STEP 1 - PREPARATION

All surfaces should be clean, sound and dry prior to application of firestopping materials.

STEP 2 - STEEL SLEEVE (OPTIONAL)

If sleeve will not be installed, skip to Step 3. If a sleeve will be installed, use 25 gauge galvanized sheet metal to form a cylinder with mounting flanges as shown in the drawing. Attach the flanges with 4 drywall screws on both sides of the wall.

STEP 3 - BACKING MATERIAL

WITHOUT SLEEVE

Firmly pack mineral wool (minimum density of 4 lbs./cu.ft.) into the opening to a depth of 3". Use Wrap Tape or tie wire to keep mineral wool from falling into wall cavity. Leave 1" space on both sides of the wall for Firestop Sealant.

WITH SLEEVE

Firmly pack mineral wool into the opening to a depth of 4". Leave 1/2" space on both sides of the wall for Firestop Sealant.

STEP 4 - FIRESTOP SEALANT

Apply a 1" depth (1/2" if sleeve was used) of CS 240 Firestop Sealant over the mineral wool on both sides of the wall until flush with the wall. Tool with a putty knife for a smooth appearance. Leave complete seal undisturbed for 48 hours.

FIRE ALARM SEQUENCE OF OPERATION

Upon the activation of any initiating device (manual station, smoke detector, heat detector) all fire alarm horns, mini horns, and strobes will activate. The master panel will indicate the building location where the fire alarm device was energized. All site fire alarm horns and strobes will sound until silenced. The zone light indicating the area of alarm will not be extinguished until the master panel is reset.

THE FIRE ALARM SYSTEM SHALL CONFORM TO SECTION 2-809 PART 2 OF TITLE 24 AND ARTICLE 3-760 OF PART 3, TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS, NFPA 72, AND CFC ARTICLE 14.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY. SECTION 740-16, TITLE 24, CALIFORNIA CODE OF REGULATIONS

ALL WIRE SHALL BE TYPE THHN.

FIRE STOP SEALANT HILTI #CS240 CSFM #4060-1200:100

SYMBOLS

- (M) MANUAL FIRE ALARM STATION NOTIFIER #NBG-10 DUAL ACTION CSFM #7150-0028:139 UNIT MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX WITH SINGLE GANG RING
- (S) SMOKE DETECTOR NOTIFIER #2400 CSFM #7272-1209:103 UNITS MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX WITH TWO GANG RING
- (V) VISUAL STROBE NOTIFIER #GXS4-HWR CSFM#7300-0569:114 ADA APPROVED. UNIT MOUNTS SEMI-FLUSH TO A 4 INCH ELEC. BOX.
- (AV) AUDIO VISUAL UNIT PER SPECIFICATIONS NOTIFIER #GXS-4HWR STROBE CSFM #7300-0569:114 WITH NOTIFIER #MIZ-24-R SOUNDER CSFM#7135-0785:115 MOUNTED 6 INCHES ABOVE
- (H) FIRE ALARM HORN NOTIFIER #MA 12/24D CSFM#7135-1209:124 UNIT MOUNTS SEMI-FLUSH TO A WEATHERPROOF OUTLET BOX
- (FAAP) FIRE ALARM ANNUNCIATOR PANEL NOTIFIER #AFM-16A CSFM #7120-0028:156 UNIT MOUNTS SEMI-FLUSH TO A 4 GANG ELECTRICAL BOX MOUNTED VERTICALLY
- (FFAP) FIRE ALARM MASTER PANEL NOTIFIER #500 CSFM #7165-0028:157 COMPLETE WITH 16 INIATING ZONES AND 10 SIGNAL CIRCUITS
- (B) FIRE ALARM SIGNAL BOOSTER PANEL SILENT KNIGHT #5295 CSFM #7300-0558:118 COMPLETE WITH 4 SIGNAL CIRCUITS. BATTERIES. AND AUTO-CHARGER. UNIT MOUNTS SURFACE

VOLTAGE DROP CALCULATIONS

VOLTS DROP = $\frac{\text{DISTANCE X AMPS X 21.6}}{\text{CIRCULAR MILS}}$

VOLTS DROP % = $\frac{\text{VOLTAGE DROP X 100}}{\text{APPLIED VOLTAGE}}$

VOLTS DROP = $\frac{636 \text{ FT X } .784 \text{ AMP X } 21.6}{10380 \text{ CIR MILS}}$ = .93 VOLTS

VOLTS DROP % = $\frac{.93 \text{ VOLTS X } 100}{24 \text{ VOLTS APPLIED}}$ = 3.9 %

BATTERY CALCULATIONS

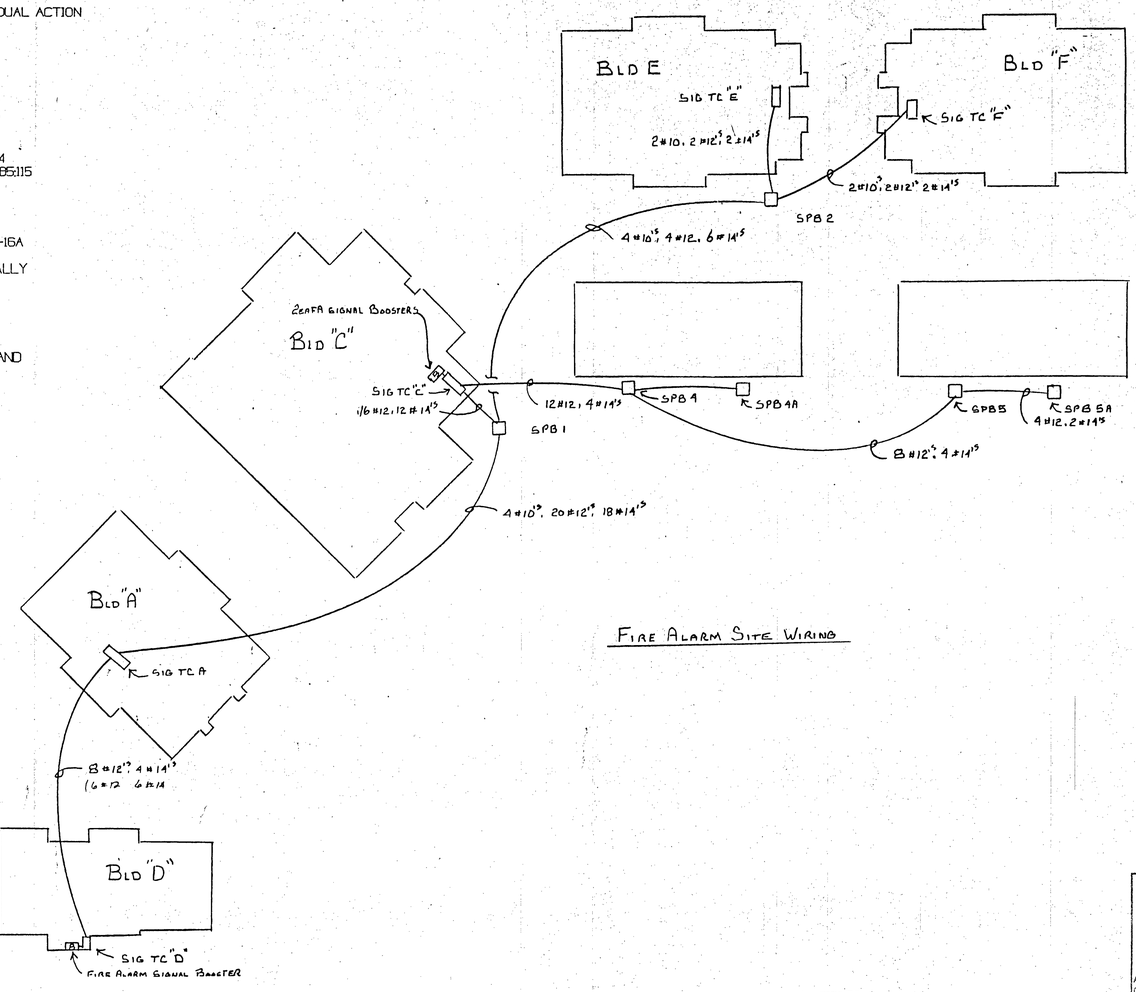
DEVICE	QUANTITY	EACH	STANDBY	ALARM
FIRE ALARM CONTROL	1	.201	.201	.461
FIRE ALARM ANNUNCIATOR	1	.025	.025	.065
SMOKE DETECTORS	29	.00012	.003	.003
HEAT DETECTORS				
PULL STATIONS				
DUCT DETECTORS				
MODULES ( )				
HORNS				
VISUAL STROBES	36	VAR		.1.596
AUDIO/VISUAL DEVICES				
		TOTAL	.229	.5125

STANDBY: (24 HR. X .229) = 5.496 AH

ALARM (5) MIN (.25) X .5125 = .4305

TOTAL REQUIRED = 5.927

BATTERIES FURNISHED = 7.000 AH



FIRE ALARM SITE WIRING

APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # 5
Checked By

Resubmittal #4 PC
REVIEWED
COLOMBO CONST. CO. INC.
By:
Date: 3/30/94

This document, prepared by others, has been reviewed and is in substantial compliance with the OSA approved contract documents.

LICENSED ARCHITECT ROBERT ALLEN KLASSEN REN 1-31-95 STATE OF CALIFORNIA

Reviewed
Submittal has been reviewed as per Specification Section 01300
- ☐ no exceptions taken
- ☒ make corrections noted
- ☐ revise and resubmit
- ☐ rejected, see marks
- ☐ Remarks attached

KLASSEN CORP.
date 4-7-94 by

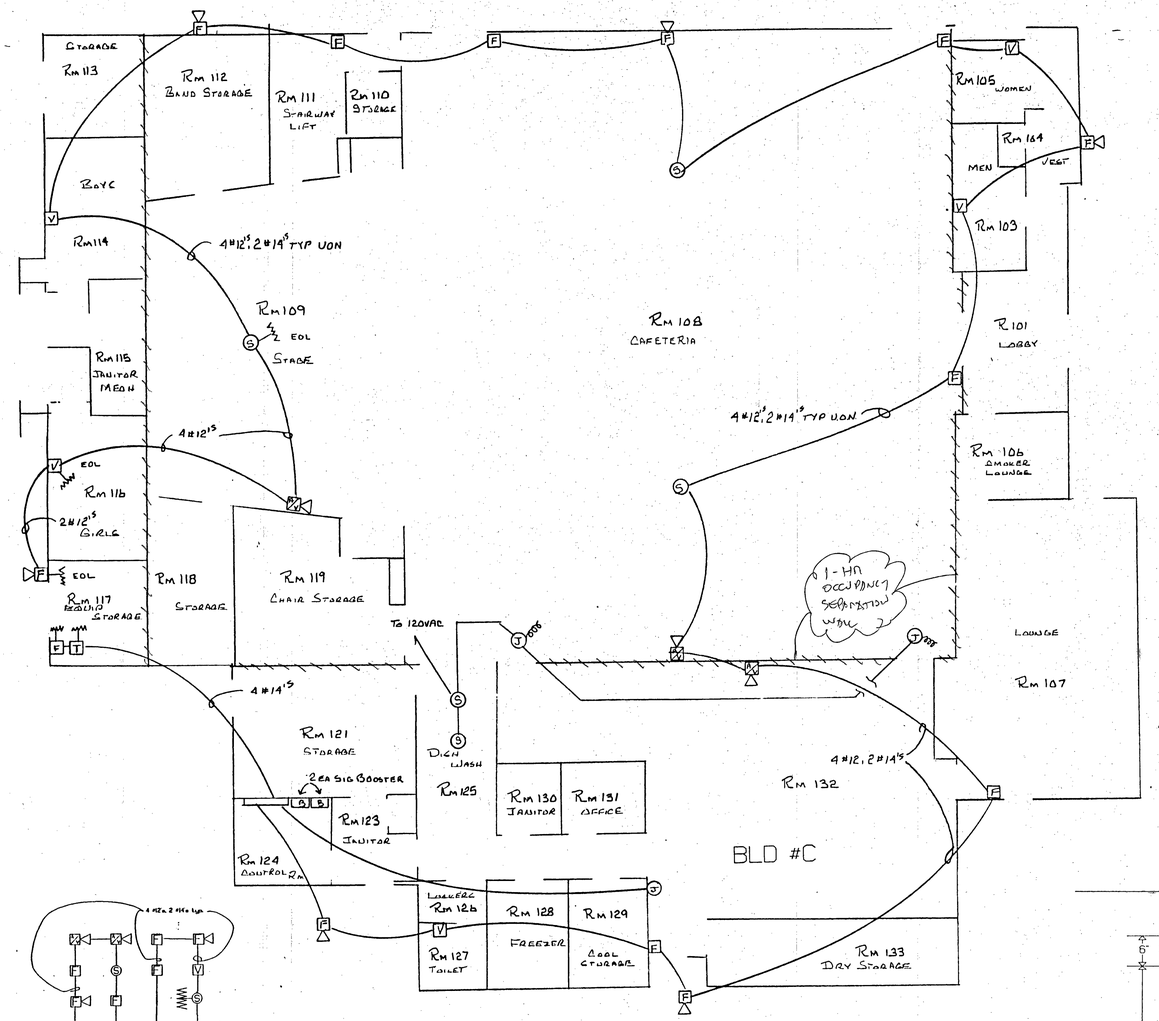
CEASAR CHAVEZ SCHOOL
BAKERSFIELD, CA.

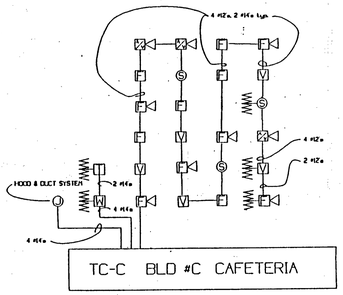
SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED Jan 19-94

FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ Feb 22-94
BATTERY CALCULATIONS Mar 28-94

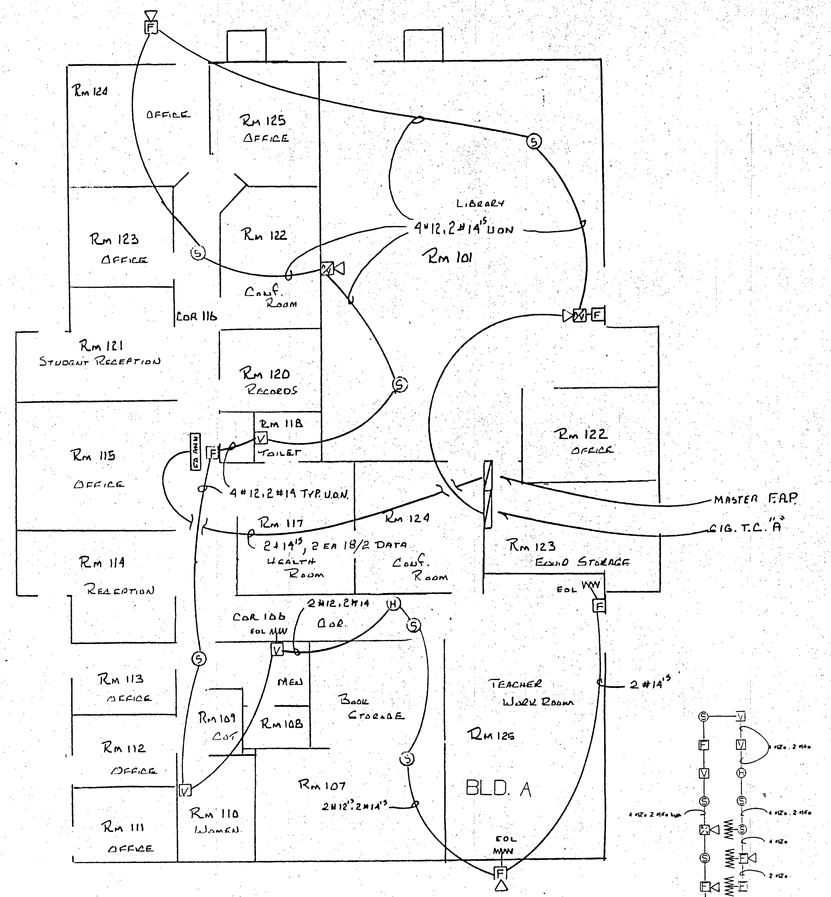
PSA-ORS # A59162
DIST. FILE # F-15-6

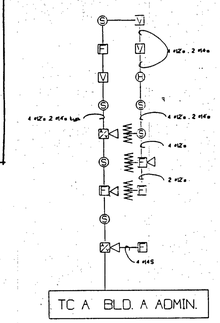
DRAWING NO. F1



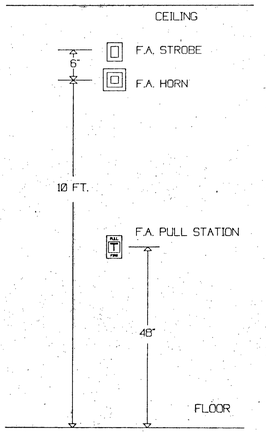


TC-C BLD #C CAFETERIA





TC A BLD. A ADMIN.

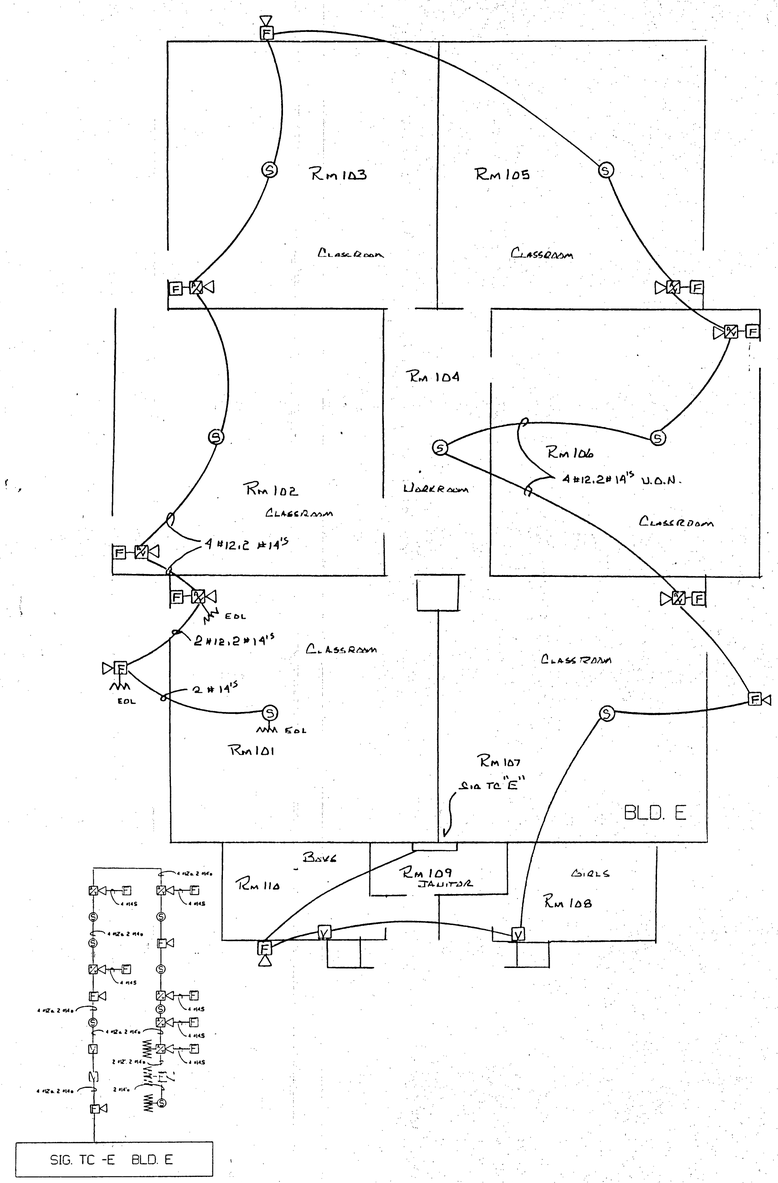


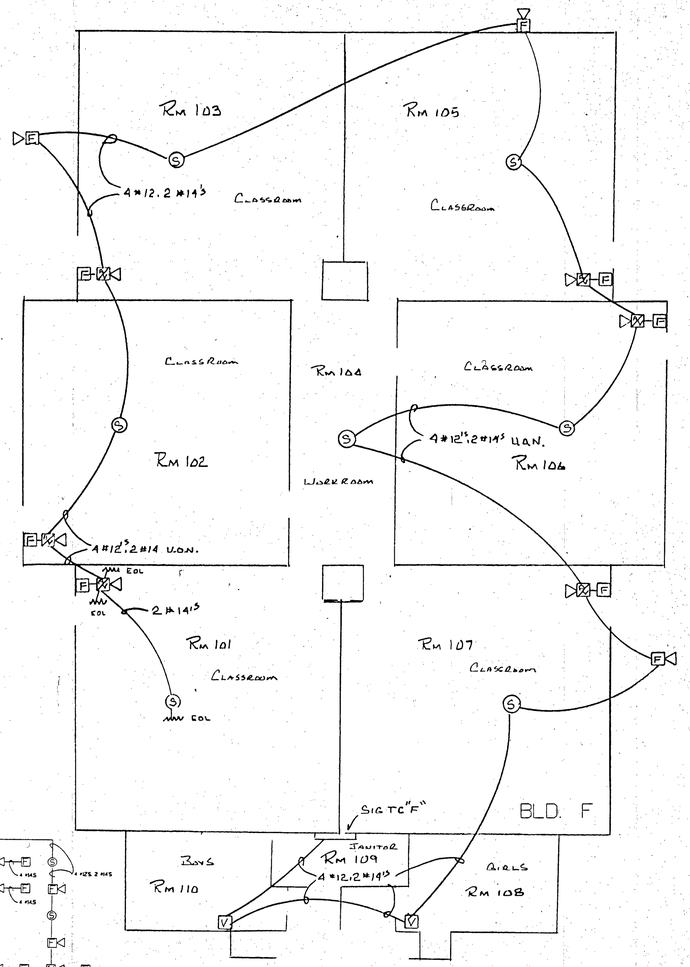
WALL ELEVATION DETAIL
F.A. EQUIP. MOUNTING HEIGHTS

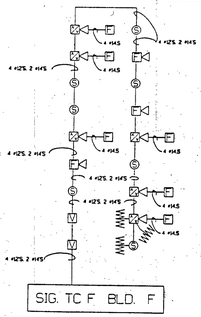
APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl. # 59 1629
Checked By DB FLS

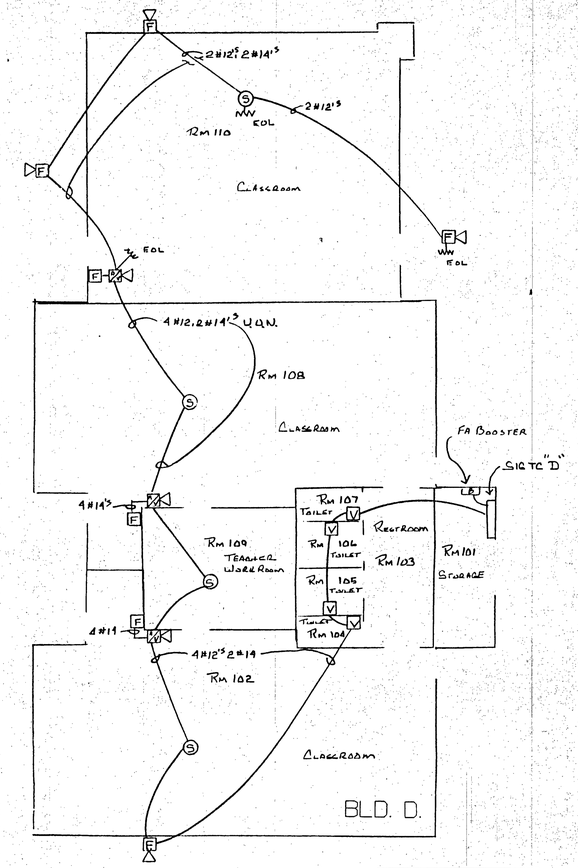
Reviewed
Submittal has been reviewed as per Specification Section 01300
☐ no exceptions taken
☒ make corrections noted
☐ revise and resubmit
☐ rejected, see marks
☐ Remarks attached
KLASSEN CORP.
date 4-4-94 by Don

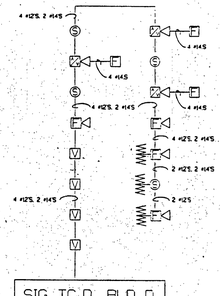
CEASAR CHAVEZ SCHOOL BAKERSFIELD, CA.		
SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED JAN 19-94
FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ BATTERY CALCULATIONS		MAR 22.94
		DRAWING NO. F2











APPROVED
Department of General Services
Office of the State Architect
MAY 9 1994
Structural Safety Section
Appl.# 59-82
Checked By

Reviewed
Submittal has been reviewed as per Specification Section 01300
- [x] no exceptions taken
- [ ] make corrections noted
- [ ] revise and resubmit
- [ ] rejected, see marks
- [ ] Remarks attached

KLASSEN CORP.
date 9-4-94 by Doc

CEASAR CHAVEZ SCHOOL
BAKERSFIELD, CA.

SCALE:	APPROVED BY:	DRAWN BY: BC
DATE: 11/22/93		REVISED JAN 17-94

FIRE ALARM SYSTEM/SHOP DRAWING ONE LINE/ MAR 28-94
BATTERY CALCULATIONS

DRAWING NO. F3

MATCH–LINE SEE SHEET 3

MATCH–LINE SEE SHEET 3

SCALE: 1"= 20'

LEGEND

FG	FINISHED GROUND
AC	ASPHALT CONCRETE
FS	FINISHED SURFACE
FL	FLOWLINE
T.O.G.	TOP OF GRATE
F.F.	FINISHED FLOOR
F.P.	FINISHED PAD
L.S.	LANDSCAPE AREA
GB	GRADE BREAK
	DIRECTION OF DRAINAGE
	CONTOUR LINE (ELEVATION AS SHOWN)
TC	TOP OF CURB
SC	STAMP CONCRETE

INSTALL 10' OF 5" DEEP, 4" WIDE OPENING SLOTTED DRAIN; CALLY STEEL, TRUF DRAIN PART NO. #125

RESTROOMS

'E' INTERMEDIATE F.F. 30.50 F.P. 30.00

P. PORTABLE INTERMEDIATE F.F. 29.82 F.P. 28.65

FUTURE P. PORTABLE INTERMEDIATE F.F. 28.82 F.P. 27.65

6" P.C. CONCRETE W/ 4.4.4.4 W.W. FABRIC W/ SAWCUTTED PLANE JOINTS @ 15' O.C. & EXPANSION JOINTS @ PERIMETER

SWINGS

FUTURE SPECIAL ED PORTABLES F.F. 28.17 F.P 27.00

FUTURE SPECIAL ED PORTABLES F.F. 25.67 F.P 24.50

FUTURE MAGNET PROG. PORTABLES F.F. 24.67 F.P 23.50

CAN WASH

TRASH

SERVICE YARD

PATIO

CAFETERIA 'C' F.F. 26.50 F.P 26.00

RESTROOMS

'A' ADMINISTRATION & LIBRARY F.F. 24.50 F.P 24.00

'D' KINDERGARTEN F.F. 22.50 F.P. 22.00

PLAY YARD

SANDBOX

FIRE LANE

HEAD START F.F. 20.50 F.P 20.00

BIKES

DROP OFF

0.2' ASPHALT CONCRETE OVER 1' CL II AGGREGATE BASE

TYPICAL

STANDARD CATCH–BASIN

STANDARD CATCH–BASINS

STREET FLOWLINE ELEVATIONS OBTAINED FROM STREET PLANS BY MASON AND ASSOC./CONTRACTOR SHALL COORDINATE FINAL PLANS PRIOR TO STAKING OF ONSITE WORK

STREET FLOWLINE ELEVATIONS OBTAINED FROM STREET PLANS BY MASON AND ASSOC./CONTRACTOR SHALL COORDINATE FINAL PLANS PRIOR TO STAKING OF ONSITE WORK

30'

30'

℄ CAMINO LA PAZ

℄ NICKEL AVENUE

℄ MESA MARIN DRIVE

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24

59162 07/21/93
REVIEWER DATE

mAH 9/16/93
REVIEWER DATE

REVIEWER DATE

S.P.R.#0172-93-18

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES — APPROVED — JUL 12 1993 — DIVISION OF THE STATE ARCHITECT

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect (and no part thereof shall be used or disclosed except with the prior consent of the architect) for work on project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.

Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL — BAKERSFIELD, CA

MESA MARIN ELEMENTARY SCHOOL
KERN CANYON ROAD
BAKERSFIELD, CA

11201 KERN CANYON ROAD

Sheet title: GRADING PLAN WEST HALF

PORTER · ROBERTSON — 92-397 — ROSEMEAD, CA 91770 — 1200 - 21ST. STREET, BAKERSFIELD, CA 93301 — PH. 805 / 327-0562 FAX 805 / 327-1466 — REG. EXPIRES 12/31/94

JOB NO. 92-397 — DRAWN BY: PORTER — CHECKED BY: PORTER — DATE: 6/30/93

REVISIONS

Date:	Issued for:

Date:	Revisions:
6-23-93	ADD. #2 Rev

Drawn by:

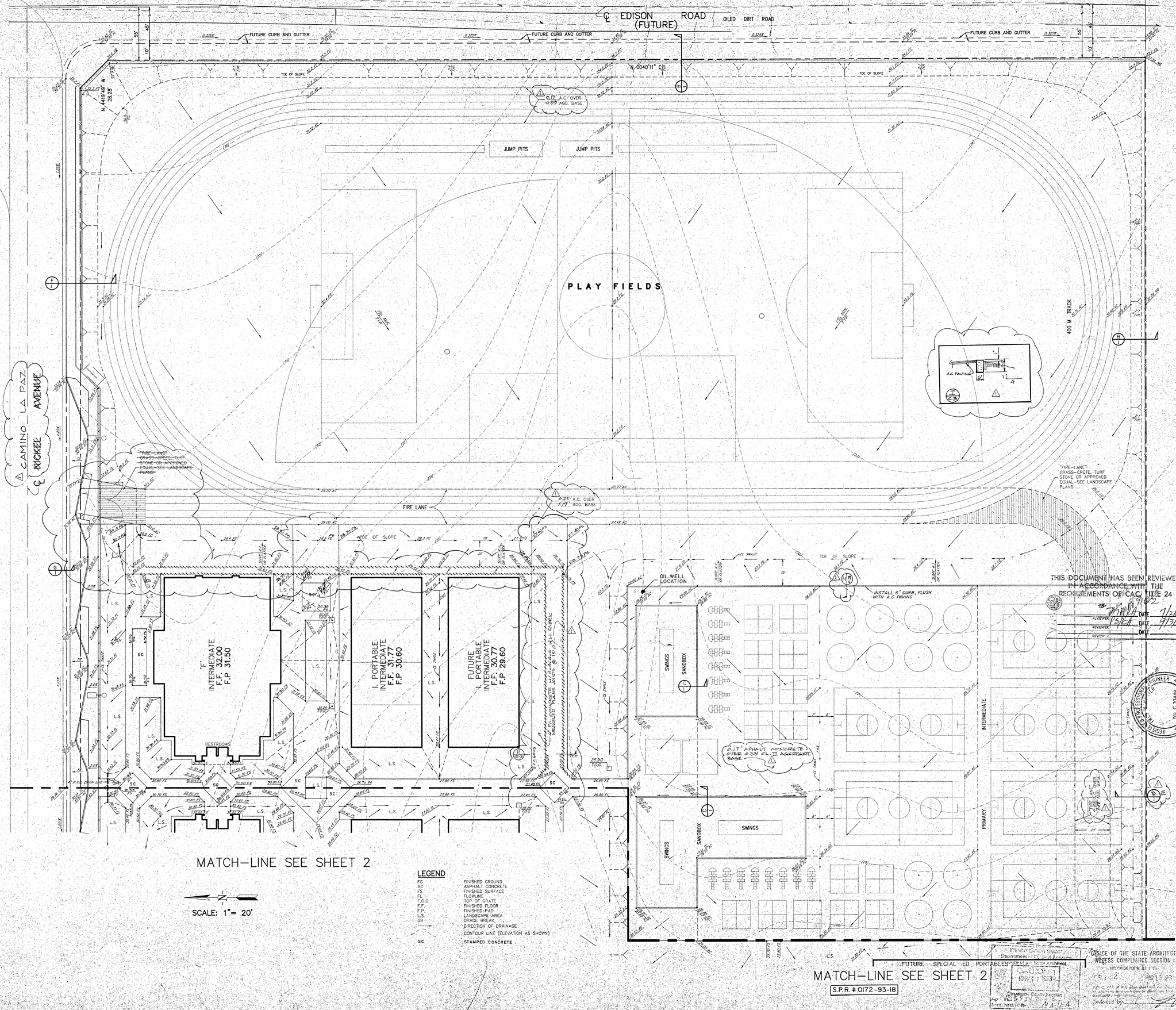
Job no: 92-397

Dgn. file:

Sheet: C.2

Sheet of:

Date:



MATCH-LINE SEE SHEET 2

SCALE: 1"= 20'

LEGEND

FG	FINISHED GROUND
AC	ASPHALT CONCRETE
FS	FINISHED SURFACE
FL	FLOWLINE
T.O.G.	TOP OF GRATE
F.F.	FINISHED FLOOR
F.P.	FINISHED PAD
L.S.	LANDSCAPE AREA
GB	GRADE BREAK
	DIRECTION OF DRAINAGE
	CONTOUR LINE (ELEVATION AS SHOWN)
SC	STAMPED CONCRETE

MATCH-LINE SEE SHEET 2

S.P.R. # 0172-93-18

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24

REVIEWER MAKA DATE 7/21/93
REVIEWER VS/EA DATE 9/3/93
REVIEWER DATE

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

LICENSED ARCHITECT
STATE OF CALIFORNIA

The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect; and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.
Written dimensions on these drawings shall have precedence over scaled dimensions; contractors shall verify and be responsible for all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL
1201 KERN CANYON ROAD
BAKERSFIELD, CA

MESA MARIN ELEMENTARY SCHOOL
KERN CANYON ROAD
BAKERSFIELD, CA

Sheet title: GRADING PLAN EAST HALF

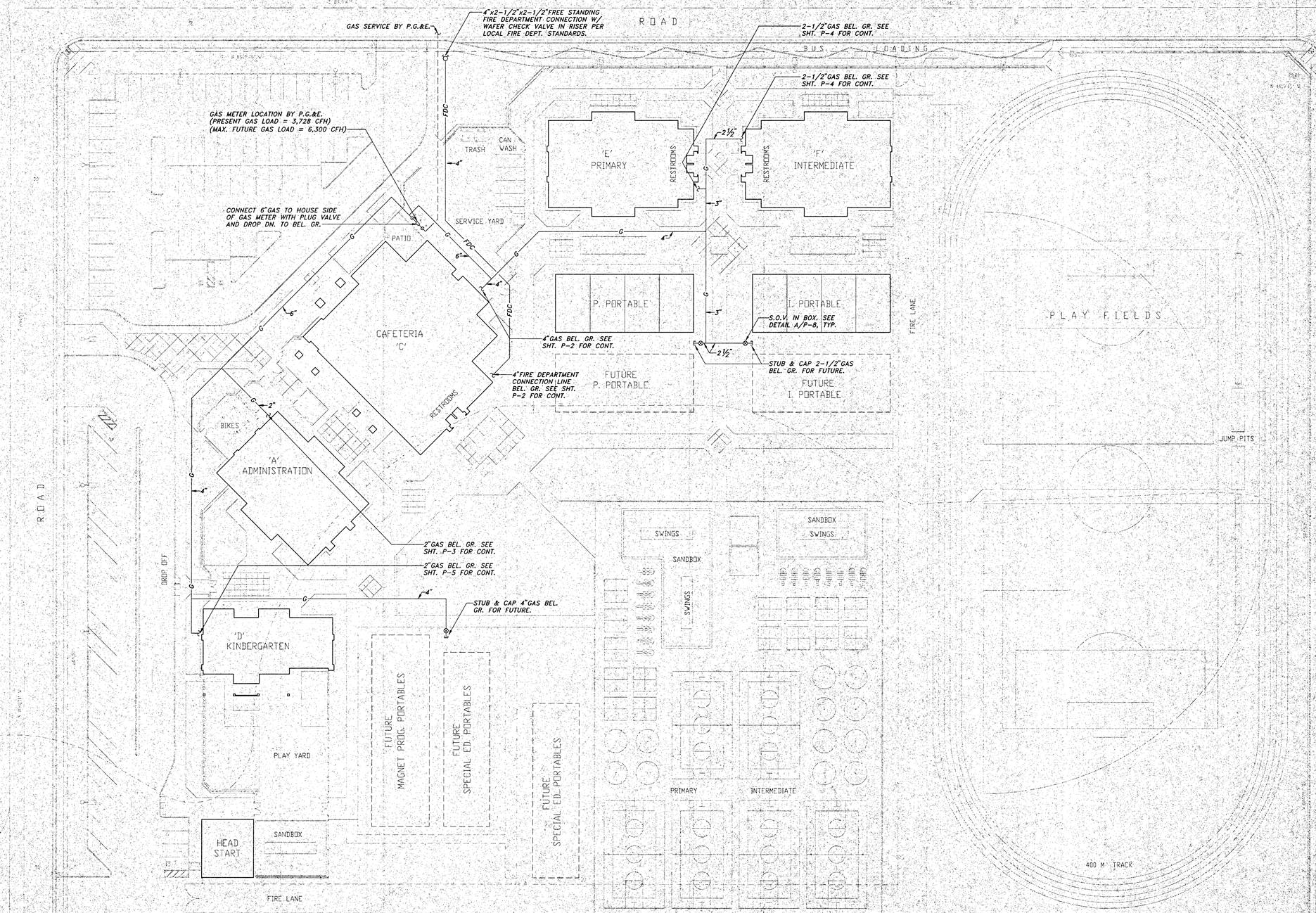
PR PORTER · ROBERTSON
ENGINEERING · SURVEYING
1200 - 21ST STREET
BAKERSFIELD, CA. 93301
805 / 327-0962
FAX 805 / 327-1065
FRED W. PORTER RCE 33448 EXP. 8/30/94

REVISIONS DATE

Date:	Issued for:

Date:	Revisions:
6-23-93	1 ADD #2 ROG

Drawn by:
Job no: 92-397
Dgn. file:
Sheet: C.3
Sheet of:
Date:



PLUMBING SITE PLAN

1"=30'-0"

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24

5/18/2

DATE 7/11/93

DATE 7/29/93

DATE

DEPARTMENT OF GENERAL SERVICES
Division of Architectural Services
Office of the State Architect
PORTION 1
JUN 1, 1993
Structural Safety Section
Appl. #
Back-checked By

8 1993

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT
KLASSEN
C13001
STATE OF CALIFORNIA

C-8,610 C-10,401

The Drawings, Specifications and other documents prepared by the Architect are instruments of service for use solely with respect to this project. They are not to be used by the Owner or others on other projects, for additions to this project or for completion of this project by others, except by agreement in writing and with appropriate compensation to the Architect. All common law, statutory and other reserved rights, including copyright thereto, are retained by the Architect. Visual contact with these drawings or other documents shall constitute prima facie evidence of the acceptance of these restrictions.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title

LICENSED PROFESSIONAL ENGINEER
GILBERT L. NYE
14056224
Exp. 6-30-93
MECHANICAL
STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS - ENVIRONMENTAL
1300 "E" Street (mailing), Suite 13 Fresno, CA 93721
(209) 268-1234 FAX 268-1237

Date	Issued For

Date	Revisions
8-24-93	ADD. #2

Drawn by: MLB

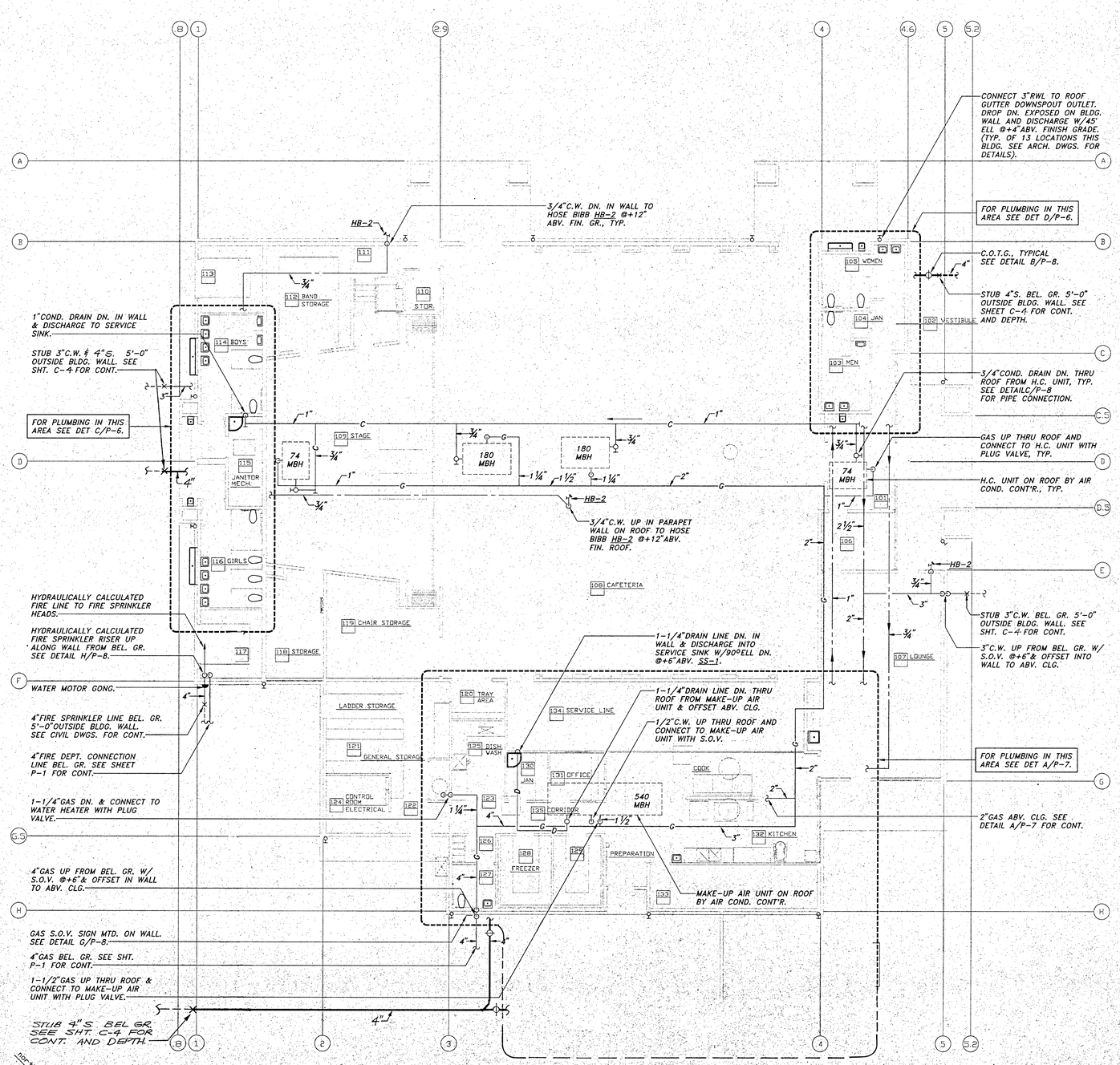
Checked by: GLN

Job No.: 9327

Sheet: P-1

Sheet of 8

Date:



CAFETERIA PLUMBING FLOOR PLAN 'C'

1/8" = 1'-0"

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT LYLE KLASSEN RENEWAL 1-31-95 STATE OF CALIFORNIA

C-8,610 C-10,401

The ideas, drawings and designs incorporated herein are the property of the architect and no part thereof shall be copied, disclosed to others or used in connection with any work of project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.
Contractor shall verify and shall have jurisdiction approval before commencing any work. Contractor shall verify and be responsible for all dimensions and conditions on the job and these drawings. Any discrepancy must be reported to the architect before commencing work. Any deviation from the drawings and specifications shown on these drawings shall be submitted to the architect for approval before proceeding in fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA
Sheet title: MECHANICAL PLUMBING

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24
5/16/94 DATE
7/21/93 DATE
9/3/93 DATE
REVIEWER

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE M 026204 CIVIL MECHANICAL STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 N. Burr avenue, Suite 23 Fresno, Ca. 93711
(209) 438-1550 FAX (209) 431-4207

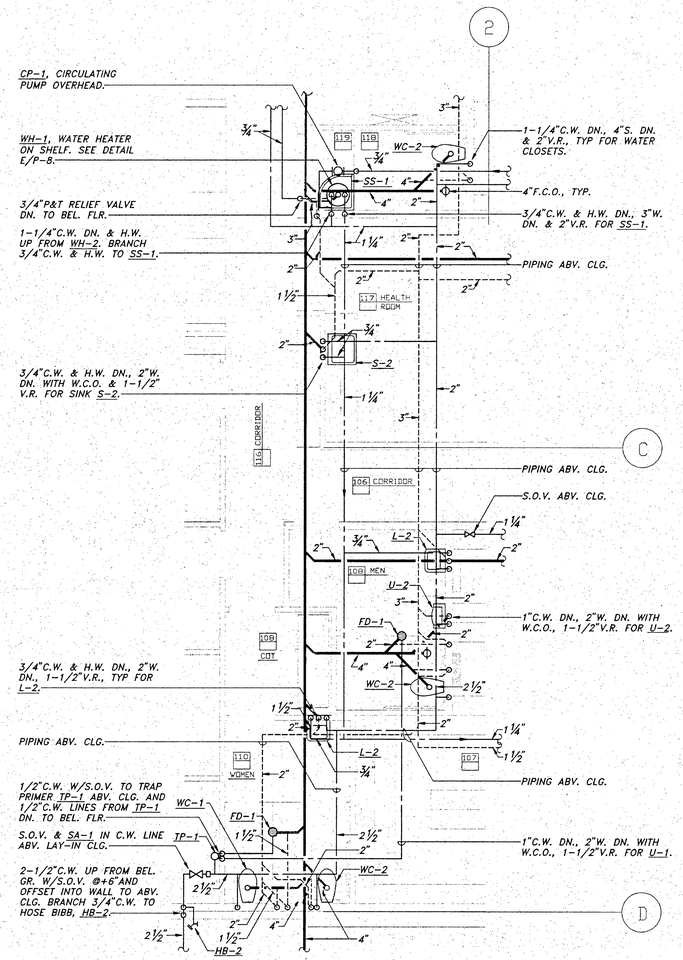
Date	Issued for:

Date	Revisions:
5-24-93	ADD #2

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
Reviewed by:

IDENTIFICATION STAMP Department of General Services Office of the State Architect PORTION 1 Structural Safety Section Reviewed By:

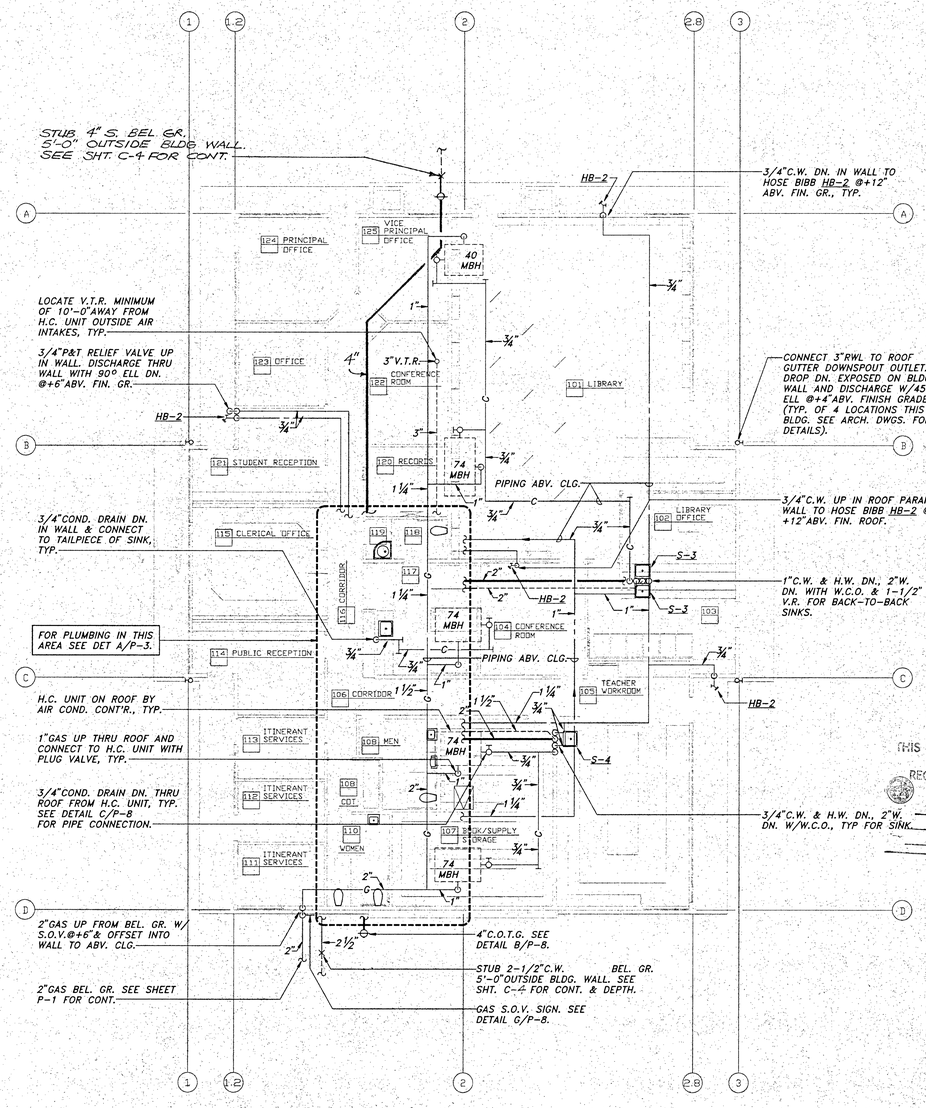
Drawn by: RLB
Checked by: LAD
Job no: 1223
Sheet: P2
Sheet of: 8
Date:



DETAILED PLUMBING PLAN

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

A / P-3



ADMINISTRATION / LIBRARY PLUMBING PLAN 'A'

1/8" = 1'-0"

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24
5962
REVIEWER MA-LA DATE 7/21/93
REVIEWER PS-LA DATE 9/3/93
REVIEWER DATE

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
APPLICATION NO. 93 0412
1992 MAR 11 93
Reviewed by

MAR 8 1993

Department of General Services
Office of the State Architect
PORTION I
MAR 11 1993
Structural Safety Section
Approved by

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT PAUL KLASSEN C18401 REN 1-31-95 STATE OF CALIFORNIA
C-8,610 C-10,401

The above drawings are the property of Klassen Corporation and were created and developed for use on the project noted herein. None of the ideas, designs or plans shall be used by or disclosed to any person, firm or corporation for any purpose whatsoever without the written permission of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. Any changes made on these drawings or any other drawings issued in connection with this project shall be made known to the architect in writing. Architect will not be responsible for any changes made in the plans by any other party. Contractor shall verify and be responsible for all dimensions and conditions on the job site. Any discrepancies found between the drawings and site conditions or any omissions from the drawings must be reported immediately to the architect and work not proceed until the discrepancies have been resolved. Contractor shall not scale drawings. Written dimensions shall have precedence over scaled dimensions. Contractor shall check and verify all figures before laying out the work and will be responsible for any errors which may have been made as a result of his failure to do so. Do not use plans for construction purposes unless issued and signed by the architect. Any use which any third party makes of these plans will be the responsibility of such third party. Submission or distribution of these documents to meet official regulatory requirements or for other purposes in connection with this project is not to be construed as publication in derogation of the reserved rights of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. Any changes made on these drawings or any other drawings issued in connection with this project shall be made known to the architect in writing. Architect will not be responsible for any changes made in the plans by any other party. Contractor shall verify and be responsible for all dimensions and conditions on the job site. Any discrepancies found between the drawings and site conditions or any omissions from the drawings must be reported immediately to the architect and work not proceed until the discrepancies have been resolved. Contractor shall not scale drawings. Written dimensions shall have precedence over scaled dimensions. Contractor shall check and verify all figures before laying out the work and will be responsible for any errors which may have been made as a result of his failure to do so. Do not use plans for construction purposes unless issued and signed by the architect. Any use which any third party makes of these plans will be the responsibility of such third party. Submission or distribution of these documents to meet official regulatory requirements or for other purposes in connection with this project is not to be construed as publication in derogation of the reserved rights of the architect.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA
ADMIN. / LIBRARY PLUMBING
Sheet Title

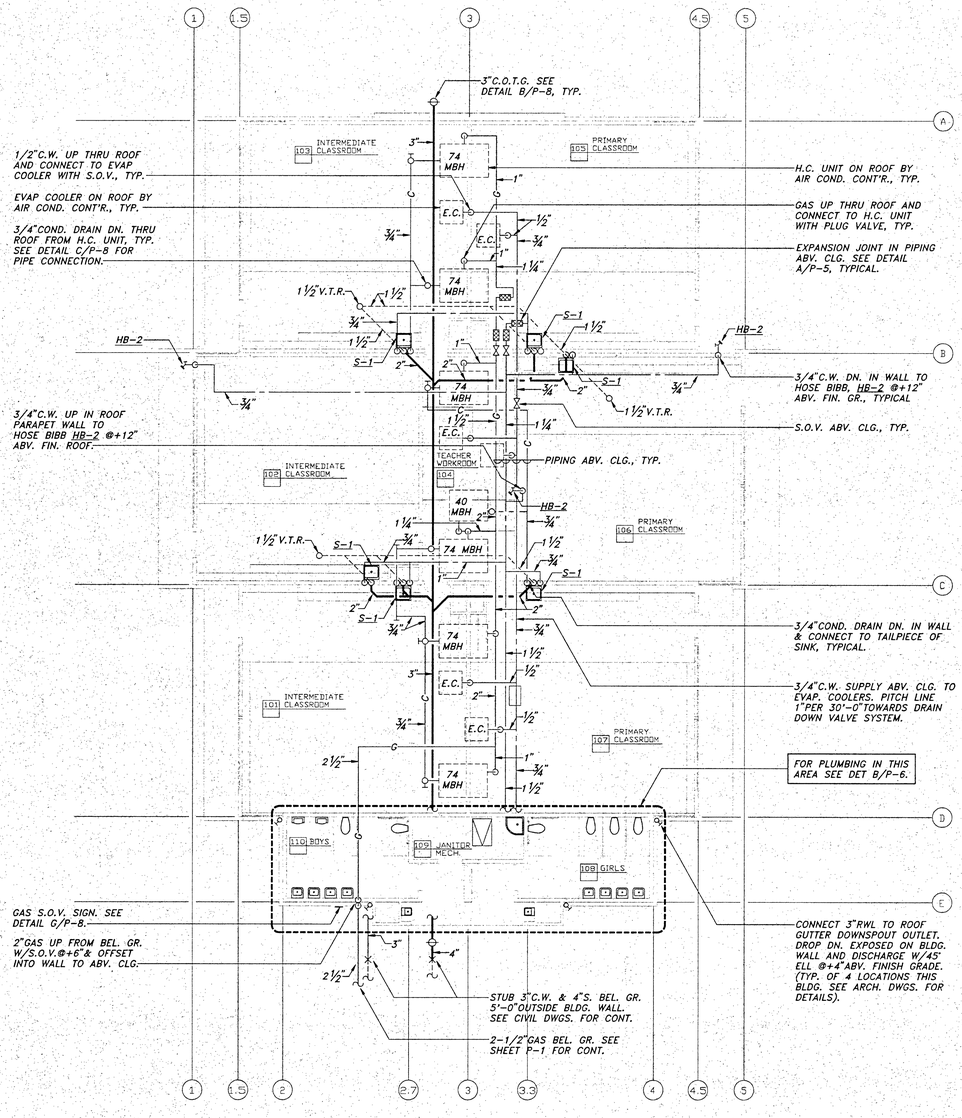
REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE M 026224 Exp. 6-30-93 MECHANICAL STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1360 E. River Avenue, Suite 101 Fresno, CA 93721
(209) 256-4111 FAX 256-4117

Date	Issued For

Date	Revisions
5-24-93	ADD #2

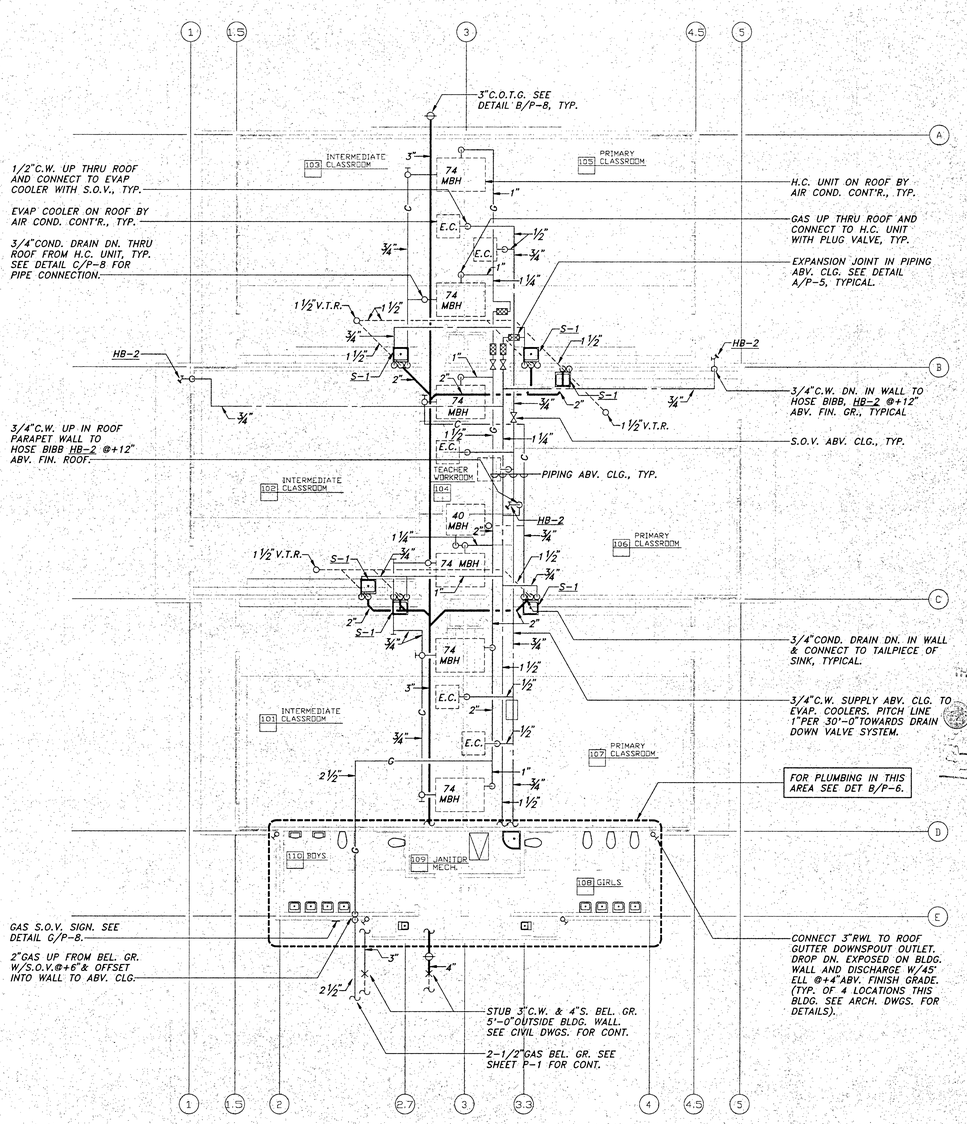
Drawn by: pcs
Checked by: DAD
Job no: 1823
Sheet: P.3
Sheet of: 8
Date:



north

INTERMEDIATE CLASSROOM PLUMBING PLAN 'E'

1/8" = 1'-0"



north

INTERMEDIATE/PRIMARY CLASSROOM PLUMBING PLAN 'F'

1/8" = 1'-0"

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

STATE OF CALIFORNIA — LICENSED ARCHITECT — PAUL KLASSEN — 10401

C-8,610 C-34,1,3,4,8 C-10,401

All ideas, designs, arrangements and plans indicated or represented by these drawings are and shall remain the property of the Architect and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the Architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of this restriction. Written dimensions on these drawings shall have precedence over scaled dimensions. Contractor shall verify and be responsible for all dimensions and conditions on the job site. This office shall be notified of any variation from the dimensions and conditions shown by these drawings and must be approved by this office prior to commencing any work. Copyright

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

Sheet title:

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24
BY 59162
M/A-LA ALTERNATE DATE 7/2/93
P/A REVIEWER DATE 9/2/93
REVIEWER DATE

REGISTERED PROFESSIONAL ENGINEER — GILBERT L. IVE — M 052234 — MECHANICAL — STATE OF CALIFORNIA

Lawrence • Ive • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1001 S. Real Avenue, Suite 22 Visalia, CA 93277
(209) 625-0115 FAX 209-625-4227

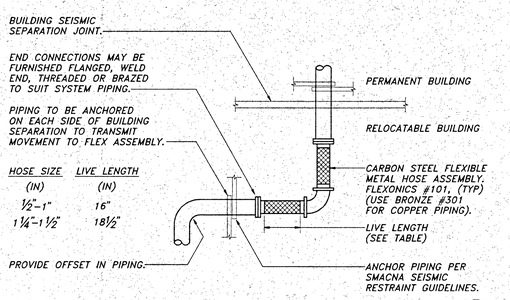
Date:	Issued For:

Date:	Revisions:
6-24-93	ADD #2

Drawn by: DLB
Checked by: DAD
Job no: 1223
Sheet: P.4
Sheet of 8
Date:

CONSTRUCTION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1994
Structural Safety Section
Appl. # 05 59 62
Reviewed By

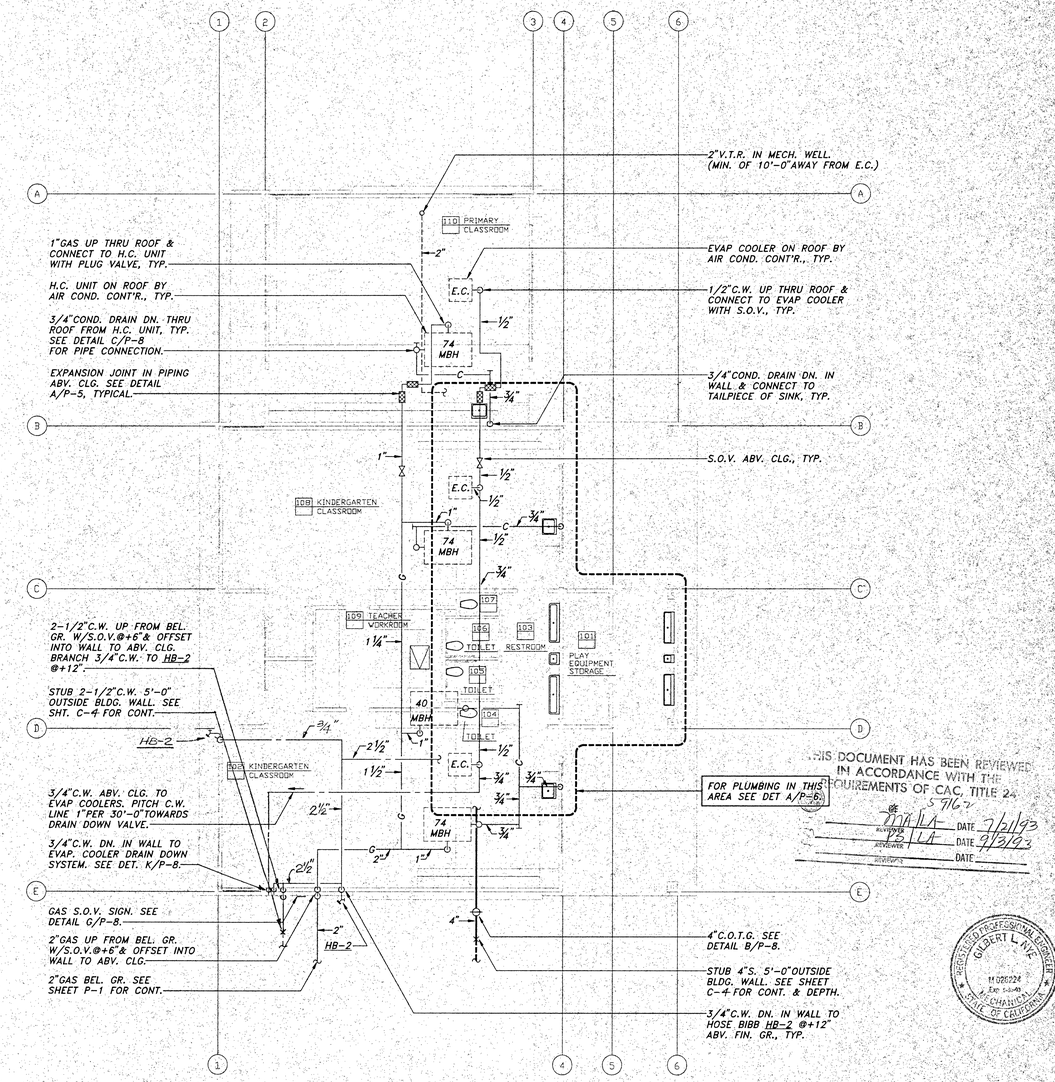
OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
MAR 11 94



SEISMIC JOINT FOR PIPE DETAIL

A / P-5

SCALE: NONE



north

KINDERGARTEN CLASSROOM PLUMBING PLAN 'D'

1/8" = 1'–0"

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24
BY DATE 7/21/93
BY DATE 9/3/93
DATE

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
And P & S
Reviewed By

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPROVED FOR IN COMPLIANCE
DATE MAR 11 93
Reviewed By

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT
RICHARD D. KLASSEN
Citizen
STATE OF CALIFORNIA
C-B,610 E-10,401
The above drawings and specifications and ideas designs arrangements and plans indicated thereon are and shall remain the property of the Architect and are not to be used in whole or part for any other project and are not to be changed or copied in any form whatsoever, whether the project for which they are made is executed or not. They are not to be loaned, copied or exhibited except with the written consent of the Architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of these restrictions. All drawings, specifications and copies thereof furnished by the Architect are and shall remain his property. They are to be used only with respect to this project and shall not be used in whole or part for any other project without the Architect's written authorization. Contractor shall verify and be responsible for all dimensions and conditions on the job. Do not scale drawings. Any discrepancies found between drawings and existing conditions shall be brought to the Architect's attention immediately. Shop drawings and details must be submitted to the office for approval before ordering or construction.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: KINDERGARTEN PLUMBING PLAN

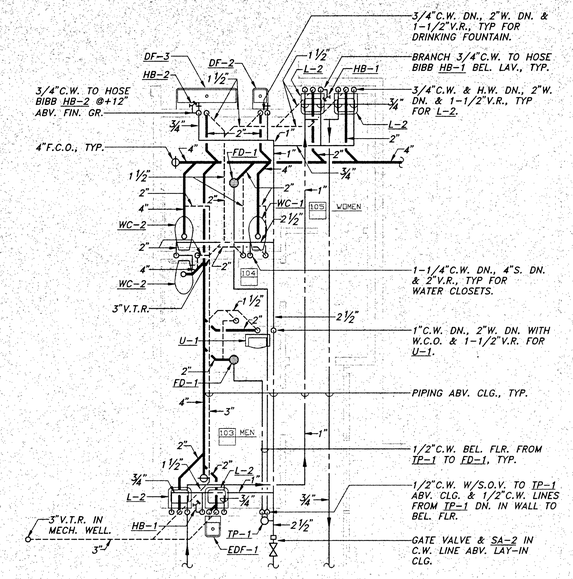
REGISTERED PROFESSIONAL ENGINEER
GILBERT L. NYE
M 026224
Exp 5-31-93
CHAIRMAN
STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1361 E. Shaw Avenue, Suite 101 Fresno, Ca 93710
(209) 226-0131 FAX 226-0137

Date	Issued For

Date	Revisions
6-24-93	ADD #2

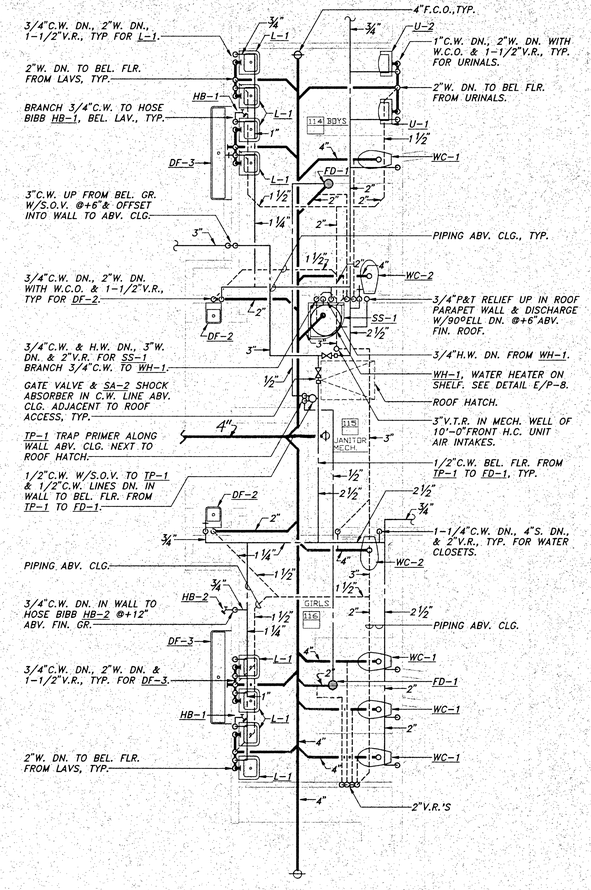
Drawn by: RCB
Checked by: DAC
Job No: 1223
Sheet: P.5
Sheet one 8
Date:



DETAILED PLUMBING PLAN – BLDG. "C"

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

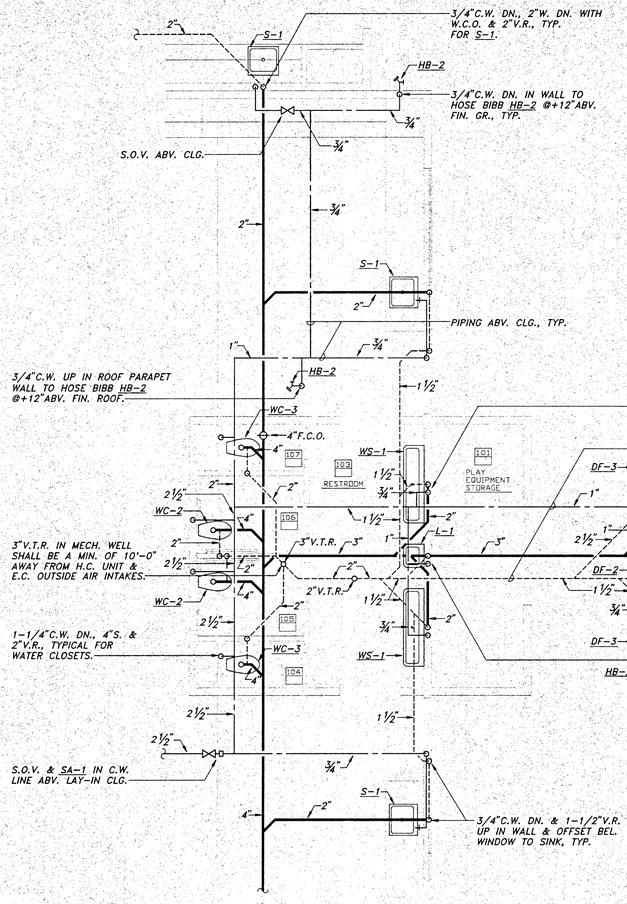
D / P-6



DETAILED PLUMBING PLAN – BLDG. "C"

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

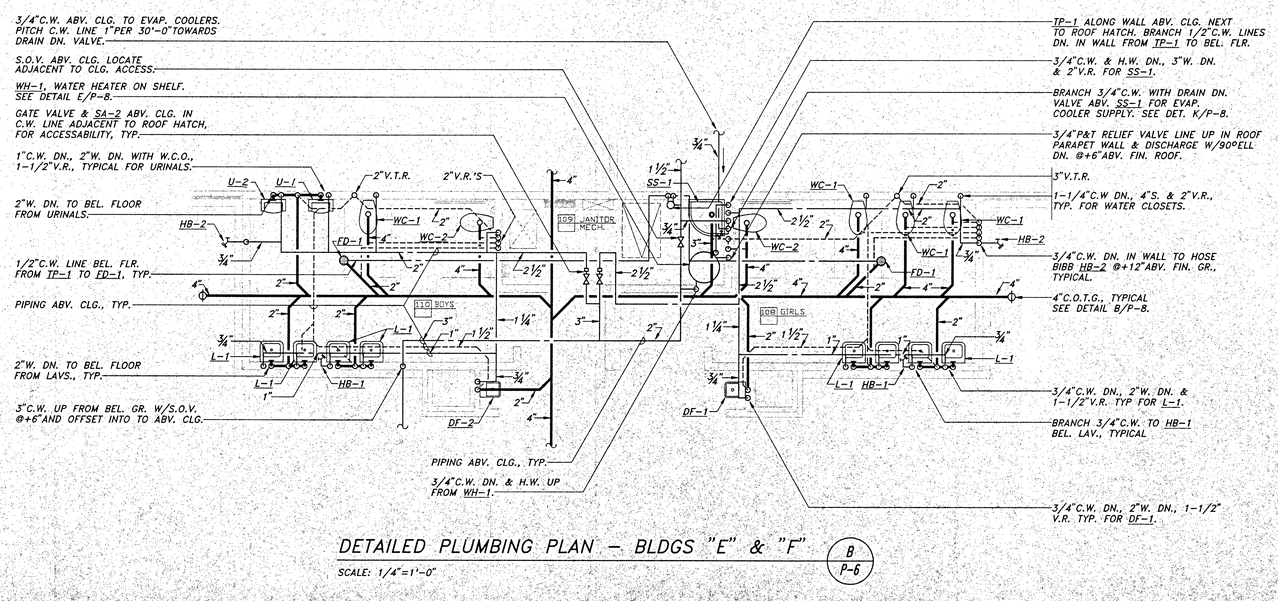
C / P-6



DETAILED PLUMBING PLAN – BLDG. "D"

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

A / P-6



DETAILED PLUMBING PLAN – BLDGS "E" & "F"

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

B / P-6

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

REGISTERED PROFESSIONAL ENGINEER — PHIL KLASSEN — CIVIL — LICENSED ARCHITECT — STATE OF CALIFORNIA

C-8,610 C-10,401

The above drawings and specifications are and shall remain the property of the Architect and are not to be used in whole or part for any other project without written authorization of the Architect. Visual contact with these drawings and specifications shall constitute prima facie evidence of the acceptance of these restrictions. Any unauthorized use of these drawings and specifications will be subject to legal action. Any errors or omissions noted by the user of these drawings and specifications must be reported to the Architect immediately upon discovery. The Architect will not be responsible for any changes made in the drawings and specifications without the Architect's knowledge and consent. Submission or distribution of these instruments to meet official regulatory requirements or for other purposes in connection with this project is not to be construed as publication in derogation of the Architect's reserved rights. The drawings and specifications are not to be used in any way by any party for other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The Architect shall not be responsible for any use of the drawings and specifications by any party for other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The drawings and specifications are not to be used in any way by any party for other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect. The drawings and specifications are not to be used in any way by any party for other projects or extensions to this project except by agreement in writing and with appropriate compensation to the Architect.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

Sheet title:

REGISTERED PROFESSIONAL ENGINEER — GILBERT L. NYE — M 026024 — Exp. 6-30-13 — MECHANICAL — STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 T. Street (mail) Suite 22 — Fresno, Ca. 93721
(559) 266-4282 — FAX 266-4284

Date:	Issued For:

Date:	Revisions:
6-24-93	ADD #2

Drawn by: DCB

Checked by: DMG

Job no: 1223

Sheet: P.6

Sheet of

Date:

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24

5-9162

APPLICANT — DATE 7-1-93

REVIEWER — DATE 7-13-93

REVISIONS — DATE

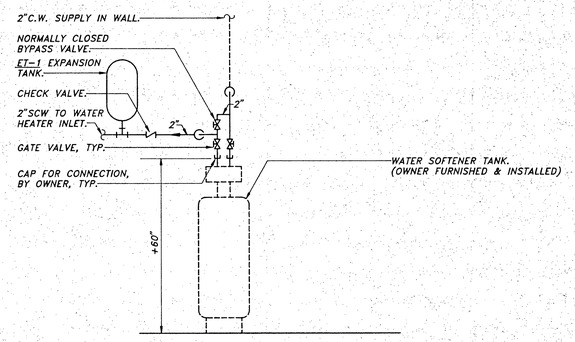
OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION

REVIEWED PER M. 1/6 DATED MAR 11 93

Reviewed by

MAR 8 1993

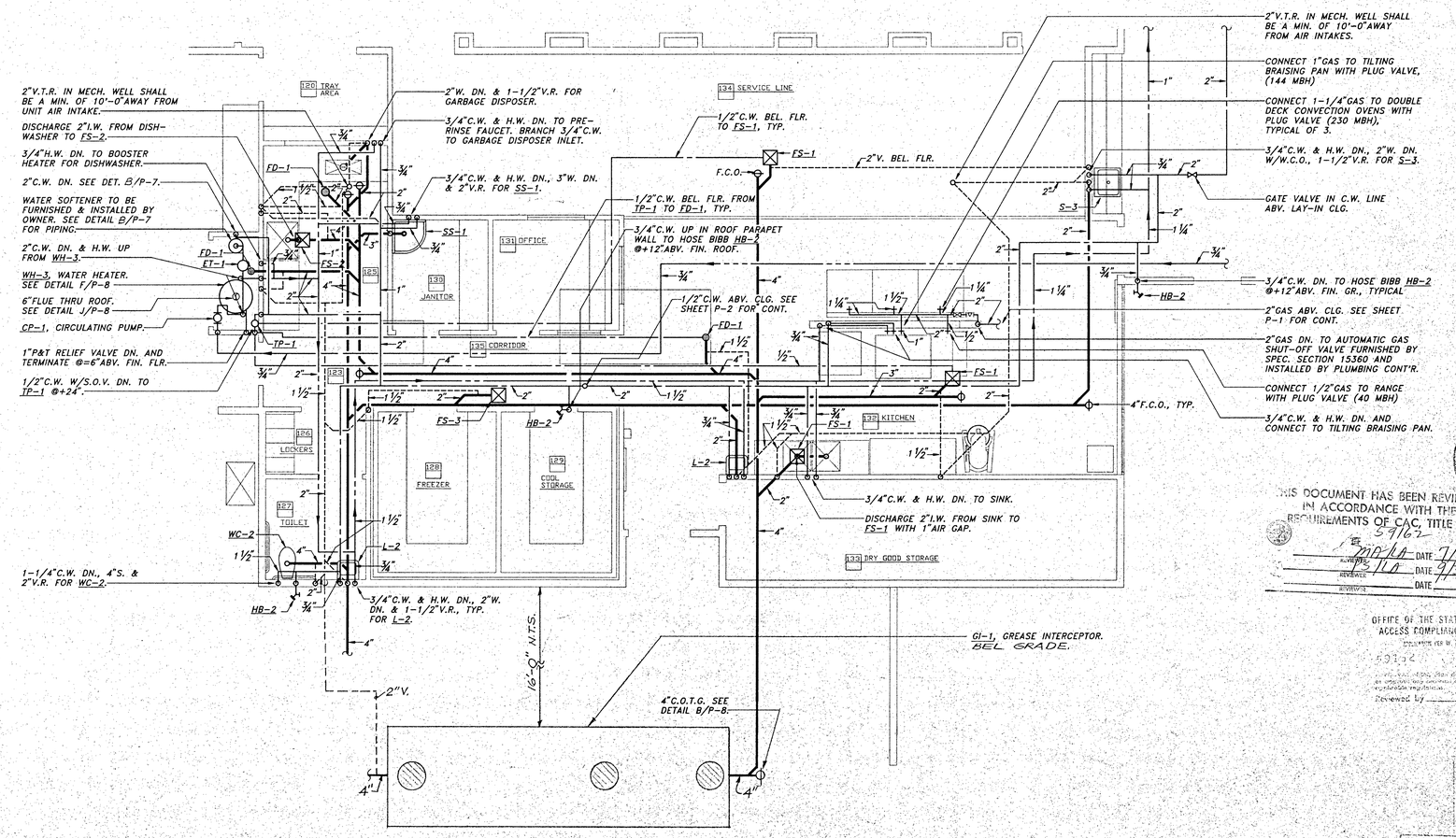
IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Application # 93-16-2-1/14/1
Reviewed by



WATER PIPING SCHEMATIC

B / P-7

SCALE: NONE



DETAILED PLUMBING PLAN – KITCHEN AREA BLDG. "C"

A / P-7

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

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

C-8,610 C-10,401

The above drawings and specifications and ideas, designs and arrangements of the various items and parts thereof are and shall remain the property of the undersigned and shall not be used in whole or part for any work by any contractor or by any other person on any other project without the written permission of the undersigned. Visual contact with these drawings and specifications shall constitute conclusive evidence of acceptance of the restrictions.
Written dimensions on these drawings shall have precedence over scaled dimensions. Contractor shall verify and be responsible for all dimensions and conditions on the job and this office must be notified of any variance from the dimensions and conditions shown by these drawings before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: DETAILED PLUMBING PLAN – KITCHEN AREA BUILDING "C"

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1901 T. Street Annex, Suite 20 Fresno, CA 93721
(209) 266-4141 FAX (209) 266-4189

Date	Issued For

Date	Revisions
6-24-93	ADD #2

Drawn by: DLB
Checked by: DAD
Job no: 1223
Sheet: P.7
Sheet 6 of 8
Date:

GILBERT L. TITE — M 022241 — Exp. 6-30-95 — ARCHITECT — STATE OF CALIFORNIA

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24
59162
mp-LA DATE 7/21/93
mp-LA DATE 9/3/93
REVIEWER DATE
REVIEWER DATE

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
59162 MAR 1 '93
Reviewed by

DSA 6-1

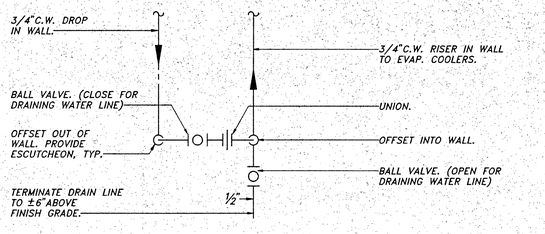
IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
59162

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

MARK	FIXTURE	CONNECTION SIZES S OR W	V.	C.W.	H.W.	DESCRIPTION
HB-2	HOSE BIBB	–	–	3/4"	–	WOODFORD #24P ROUGH BRONZE WALL HOSE VALVE WITH LOCKSHIELD, VACUUM BREAKER, AND LOOSE TEE KEY HANDLE.
FD-1	FLOOR DRAIN	2"	1-1/2"	–	–	JAY R. SMITH #2005–B, W/5" SQUARE NICKEL BRONZE STRAINER. PROVIDE TRAP PRIMER CONNECTION WHEN APPLICABLE.
FS-1	FLOOR SINK	–	–	–	–	JAY R. SMITH #3140–12C, 12" X 12" WITH FLASHING CLAMP AND WITH NICKEL BRONZE RIM AND HALF GRATE. SEE PLAN FOR SIZE. INSTALL FLUSH WITH FINISHED FLOOR. PROVIDE TRAP PRIMER CONNECTION WHEN APPLICABLE.
FS-2	FLOOR SINK	4"	2"	–	–	JAY R. SMITH #3200–12C, 16–1/2" X 16–1/2" X 12" DEEP WITH FLASHING CLAMP AND WITH NICKEL BRONZE RIM AND HALF GRATE. INSTALL FLUSH WITH FINISHED FLOOR.
FS-3	FLOOR SINK	–	–	–	–	JAY R. SMITH #3100–12C, 8–1/2" X 8–1/2" WITH FLASHING CLAMP AND WITH NICKEL BRONZE RIM AND HALF GRATE. SEE PLAN FOR SIZE. INSTALL FLUSH WITH FINISHED FLOOR. PROVIDE TRAP PRIMER CONNECTION WHEN APPLICABLE.
SA-1	SHOCK ABSORBER	–	–	1"	–	JAY R. SMITH #5030 ALL STAINLESS STEEL CONSTRUCTION, P.D.I. SYMBOL "D".
SA-2	SHOCK ABSORBER	–	–	1"	–	JAY R. SMITH #5020 ALL STAINLESS STEEL CONSTRUCTION, P.D.I. SYMBOL "C".
SA-3	SHOCK ABSORBER	–	–	1"	–	JAY R. SMITH #5010 ALL STAINLESS STEEL CONSTRUCTION, P.D.I. SYMBOL "B".
GI-1	GREASE INTERCEPTOR	4"	2"	–	–	M.C. NOTTINGHAM #B–4500, 4500 GALLON CAPACITY PRECAST REINFORCED CONCRETE TANK, WITH THREE GAS–TIGHT MANHOLE COVERS AND FRAMES EXTENDED TO GRADE.
CP-1	CIRCULATING PUMP	–	–	–	3/4"	GRUNDFOS #UP–25–64–SF IN–LINE CENTRIFUGAL PUMP WITH 3/4" FLANGED CONNECTIONS. 1/12 HP.,120V/1 PHASE. 5 GPM AT 16 FT. HEAD.
WH-1	WATER HEATER	–	–	3/4"	3/4"	AMERICAN APPLIANCE #EFR–15LS, 15 GALLON STORAGE CAPACITY, W/ONE 1500 WATT, 120V/1 PHASE ELEMENT, AND 3/4" P & T RELIEF VALVE. OPERATING WEIGHT = 195 LBS.
WH-2	WATER HEATER	–	–	3/4"	3/4"	AMERICAN APPLIANCE #MEFU, 30 GALLON STORAGE CAPACITY, 23 GPH RECOVERY RATE AT 80 DEG. F. TEMP. RISE, WITH TWO 4500 WATT, NON–SIMULTANEOUS 240V/1 PHASE ELEMENTS, AND 3/4" P & T RELIEF VALVE. OPERATING WEIGHT= 365 LBS.
WH-3	WATER HEATER	–	6"	1–1/2"	1–1/2"	AMERICAN APPLIANCE #DISD 250–100–1, 100 GALLON STORAGE CAPACITY, 250,000 BTUH INPUT, 281 GPH RECOVERY RATE AT 80 DEG. F. TEMP. RISE AND 1" P & T RELIEF VALVE. UNIT REQUIRES 120V/1 PHASE FOR INTERMITTENT IGNITION DEVICE. OPERATING WEIGHT = 1,483 LBS.

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
—HPG—	HIGH PRESSURE GAS	HPG
—LPG—	LIQUIDFIED PETROLEUM GAS	LPG
—C—	CONDENSATE DRAIN	CD
———	EXISTING PIPING	
—◇—	FLOOR CLEANOUT	FCO
—◇—	CLEANOUT TO GRADE	COTG
—|	WALL CLEANOUT	WCO
—○	PIPING TURN UP	
—⊖	PIPING TURN DOWN	
—✕—	POINT OF CONNECTION	POC
(N)	NEW	
(E)	EXISTING	
	ABOVE CEILING	ABV CLG
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	TYPICAL	TYP
	CONTINUATION	CONT
—⊗—	SHUT–OFF VALVE IN BOX	SOV
—▷◁—	SHUT–OFF VALVE	SOV
—┐└—	CHECK VALVE	
—┤▽├—	PLUG VALVE	
—F—	FIRE PROTECTION LINE	



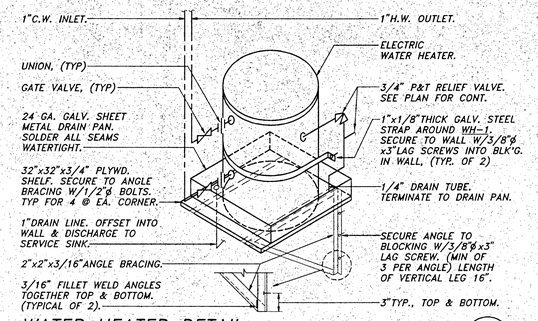
DRAIN DOWN DETAIL

SCALE: NONE

K / P-8

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

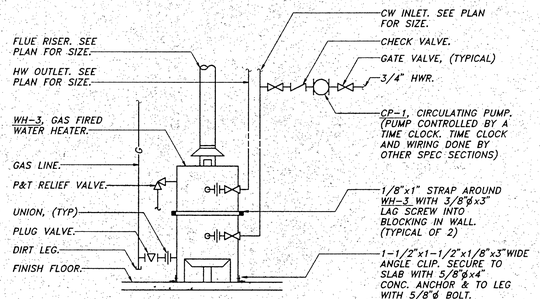
MARK	FIXTURE	CONNECTION SIZES S OR W	V.	C.W.	H.W.	DESCRIPTION
WC-1	WATER CLOSET	4"	2"	1/2"	–	AMERICAN STANDARD ELONGATED "MADERA AQUAMETER 1.5 GPF" #2234.015 WITH SLOAN "ROYAL" #111 FLUSH VALVE AND OLSONITE #95CC/SS OPEN–FRONT SEAT.
WC-2	WATER CLOSET	4"	2"	1"	–	AMERICAN STANDARD ELONGATED "ELDERLY NEWCADET AQUAMETER 1.5 GPF" #3043.102 W/SLOAN "ROYAL" #111 FLUSH VALVE & OLSONITE #95CC/SS OPEN–FRONT SEAT.
WC-3	WATER CLOSET	4"	2"	1"	–	AMERICAN STANDARD "BABY DEVORO 1.6 FV" #2282.010 WITH SLOAN "ROYAL" #111 FLUSH VALVE AND #126–CC OPEN–FRONT SEAT LESS COVER.
U-1	URINAL	2"	1–1/2"	1"	–	AMERICAN STANDARD "ALLBROOK" #6540.017 W/SLOAN "ROYAL"#180 FLUSH VALVE, & JAY R. SMITH#644–Z SUPPORT CARRIER W/FACTORY INSTALLED URINAL STRAINER.
U-2	URINAL	2"	1–1/2"	3/4"	–	AMERICAN STANDARD "WASHBROOK 1.0 GPF" #6501.010 W/#047068–0070A INTEGRAL STRAINER, SLOAN "ROYAL" #186–1 FLUSH VALVE AND JAY R. SMITH #637–Z SUPPORT CARRIER.
L-1	LAVATORY	2"	1–1/2"	1/2"	–	AMERICAN STANDARD "NEW LUCERNE" #0356.421, 20" X 18" WITH #2411.015 GRID DRAIN, CHICAGO #333–665–VPC SLOW–CLOSING FAUCET INDEXED "C" AND JAY R. SMITH #700–Z SUPPORT CARRIER. ADJUST FAUCET TO STAY OPEN FOR 10 SECONDS.
L-2	LAVATORY	2"	1–1/2"	1/2"	1/2"	AMERICAN STANDARD "NEW LUCERNE" #0355.012, 20" X 18" WITH #2411.015 GRID DRAIN, MOEN #8470 SINGLE LEVER FAUCET, AND JAY R. SMITH #700–Z SUPPORT CARRIER.
WS-1	WASH SINK	2"	1–1/2"	1/2"	1/2"	KOHLER "BROCKWAY" #K–3200, 5' LONG ENAMELED CAST IRON WITH #K–8820 GRID DRAIN, TWO #K–8880 SOAP DISHES, THREE #K–8892 FAUCETS, AND JAY R. SMITH #850–Z SUPPORT CARRIER.
S-1	CLASSROOM SINK	2"	1–1/2"	1/2"	–	JUST #HCRA–1931–A–GR, 19"x31"x 6–1/2"DEEP STAINLESS STEEL WITH CHICAGO#350–VPC PANTRY FAUCET INDEXED "C" AT LEFT REAR, CHICAGO #748–665–VPW DRINKING BUBBLER AT RIGHT FRONT, AND SINK STRAINER. FAUCET HANDLE & BUBBLER W/ LEVER.
S-2	SINK	2"	1–1/2"	1/2"	1/2"	JUST #SL–1921–A–GR, 19" X 21" STAINLESS STEEL WITH #J35GS BASKET STRAINER, AND CHICAGO #786 SWIVEL GOOSENECK FAUCET WITH #E3 AERATOR AND 4" WRIST BLADE HANDLES.
S-3	SINK	2"	1–1/2"	1/2"	1/2"	JUST #SL–1921–A–GR, 19" X 21" STAINLESS STEEL WITH #J35GS BASKET STRAINER AND CHICAGO #527 FAUCET.
S-4	SINK	2"	1–1/2"	1/2"	1/2"	JUST #CRB–1921–A–GR, 19"x21" STAINLESS STEEL W/#J35GS STRAINER, CHICAGO #527 FAUCET AND HAWS #5505 BUBBLER WITH LEVER HANDLE & RIGHT LEDGE.
SS-1	SERVICE SINK	3"	2"	1/2"	1/2"	AMERICAN STANDARD "FLORWELL" #7740.020, 28" X 28" ENAMELED CAST IRON WITH #7745.011 RIM GUARD, #8344.111 WALL MOUNT FAUCET WITH VACUUM BREAKER, STOPS, AND WALL BRACE, #7721.038 DRAIN, AND WITH STERN–WILLIAMS #T35 36" HOSE WITH WALL BRACKET.
EDF-1	ELECTRIC DRINKING FOUNTAIN	2"	1–1/2"	1/2"	–	HAWS #HWBFB–S WALL–MOUNT FOR WHEELCHAIR ACCESS WITH STAINLESS STEEL CABINET AND JAY R. SMITH #800–Z SUPPORT CARRIER. 1/5 HP., 120V/1 PHASE.
DF-2	DRINKING FOUNTAIN	2"	1–1/2"	1/2"	–	HAWS #1118BP, WALL–MOUNT STAINLESS STEEL FOR WHEELCHAIR ACCESS, PUSH BAR OPERATION,BACKPLATE,AND JAY R. SMITH #824–Z SUPPORT CARRIER.
DF-3	DRINKING FOUNTAIN	2"	1–1/2"	1/2"	–	HAWS #1441 WALL–MOUNT FOR WHEELCHAIR ACCESS WITH TWO VANDAL PROOF BUBBLERS AND PUSH–BUTTON VALVES, VANDAL RESISTANT BOTTOM PLATE, AND JAY R. SMITH #824–Z SUPPORT CARRIER.
HB-1	HOSE BIBB	–	–	3/4"	–	WOODFORD #24P POLISHED CHROME WALL HOSE VALVE WITH LOCKSHIELD, VACUUM BREAKER, AND REMOVABLE LOOSE TEE KEY HANDLE.
TP-1	TRAP PRIMER	–	–	1/2"	–	P.P.P. #P–1 VALVE W/DISTRIBUTION UNITS AS REQUIRED FOR UP TO (4) DRAINS.
ET-1	EXPANSION TANK	–	–	–	–	AMTROL #ST–5, 5 GALLON ASME RATED WITH STAINLESS STEEL CONNECTIONS & FDA APPROVED BLADDER FOR POTABLE WATER USE.



WATER HEATER DETAIL

SCALE: NONE

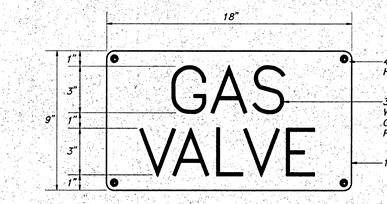
E / P-8



WATER HEATER DETAIL

SCALE: NONE

F / P-8

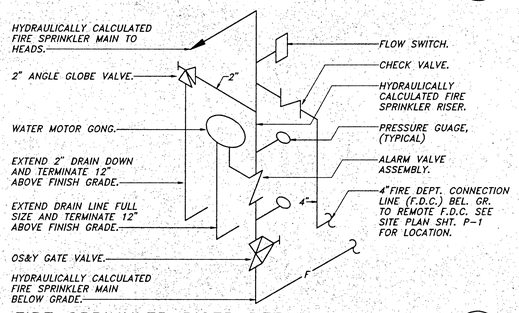


NOTE:
SIGN TO BE CONSPICUOUSLY LOCATED ABOVE BUILDING GAS SHUT–OFF VALVE AS INDICATED ON FLOOR PLAN.

GAS VALVE SIGN DETAIL

SCALE: NONE

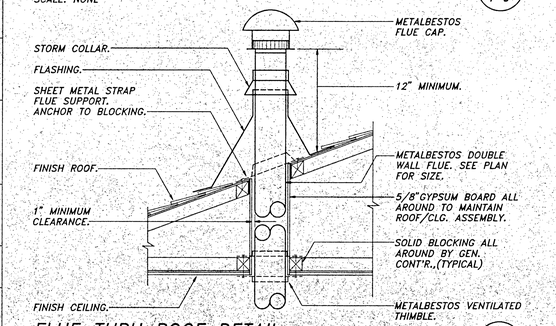
G / P-8



FIRE SPRINKLER RISER DETAIL

SCALE: NONE

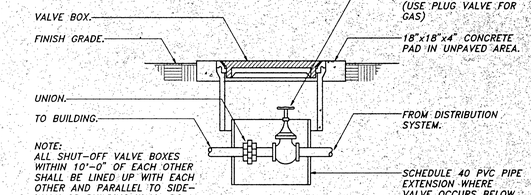
H / P-8



FLUE THRU ROOF DETAIL

SCALE: NONE

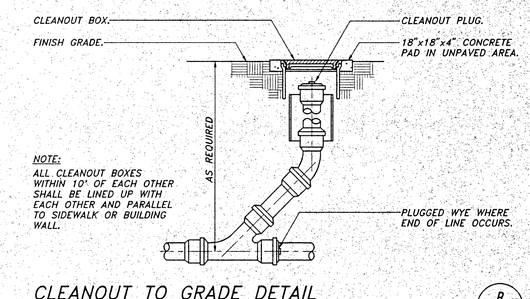
J / P-8



SHUT–OFF VALVE IN BOX DETAIL

SCALE: NONE

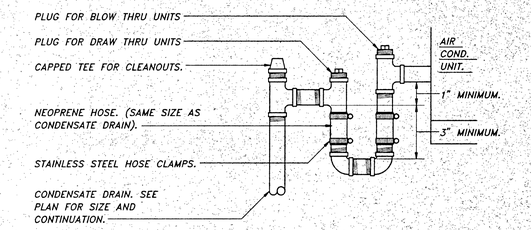
A / P-8



CLEANOUT TO GRADE DETAIL

SCALE: NONE

B / P-8



CONDENSATE DRAIN CONNECTION DETAIL

SCALE: NONE

C / P-8

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C-8,610 C-10,401

The ideas, designs and arrangements and kind, whether or not protected by copyright laws, and whether or not capable of being patented or registered, contained in these plans and specifications are and shall remain the property of the architect, and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these plans and specifications shall constitute conclusive evidence of such acceptance of these restrictions.

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: PLUMBING SCHEDULES & DETAILS

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THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24

5/9/62

DESIGNER — DATE 7/6/93
CHECKER — DATE 7/13/93
REVIEWER — DATE
REVIEW 2

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
APPROVED PER M 20 CFR
DATE MAR 11 93
Reviewed by

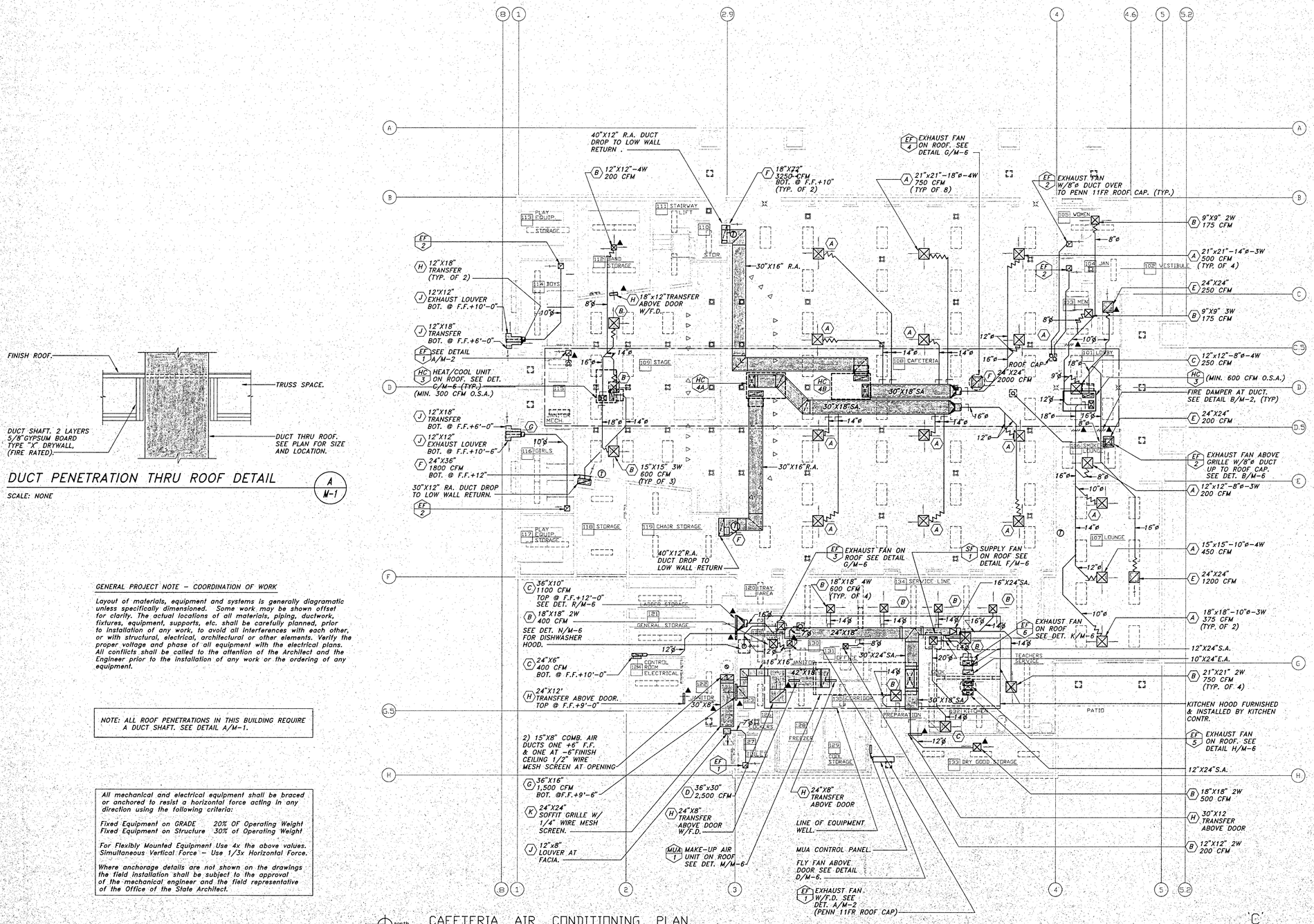
IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Reviewed By

Date	Issued for

Date	Revisions
5-24-93	ADD #2

Drawn by: DLB
Checked by: DAD
Job no: 1283
Sheet: P.8
Sheet of 8
Date:

AIR CONDITIONING LEGEND		
SYMBOL	ITEM	ABBR
	ROUND DUCT	—
	SHEET METAL DUCT	—
	DUCT WITH ACOUSTIC LINING	—
	SUPPLY AIR DUCT DROP	—
	RETURN AIR DUCT DROP	—
	EXHAUST AIR DUCT DROP	—
	SUPPLY AIR DUCT RISE	—
	RETURN AIR DUCT RISE	—
	EXHAUST AIR DUCT RISE	—
	TURNING VANES	TV
	EXTRACTOR	—
	VOLUME CONTROL DAMPER WITH LOCKING QUADRANT	VCD
-OR-	FIRE DAMPER WITH ACCESS PANEL	FD
CFM	CUBIC FEET OF AIR PER MINUTE	CFM
T	THERMOSTAT @ +4'-0"	T'STAT
	DIRECTION OF FLOW	—
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
	PIPE OR DUCT TURN DOWN	—
	PIPE OR DUCT TURN UP	—
	BYPASS TIMER	BPT
	POINT OF CONNECTION	POC
	EXISTING (DESIGNATED)	(E)



north

CAFETERIA AIR CONDITIONING PLAN

1/8" = 1'-0"

'C'



DUCT PENETRATION THRU ROOF DETAIL

A M-1

SCALE: NONE

GENERAL PROJECT NOTE – COORDINATION OF WORK

Layout of materials, equipment and systems is generally diagramatic unless specifically dimensioned. Some work may be shown offset for clarity. 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 interferences with each other, or with structural, electrical, architectural or other elements. 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.

NOTE: ALL ROOF PENETRATIONS IN THIS BUILDING REQUIRE A DUCT SHAFT. SEE DETAIL A/M-1.

All mechanical and electrical equipment shall be braced or anchored to resist a horizontal force acting in any direction using the following criteria:

Fixed Equipment on GRADE 20% OF Operating Weight
Fixed Equipment on Structure 30% of Operating Weight

For Flexibly Mounted Equipment Use 4x the above values. Simultaneous Vertical Force – Use 1/3x Horizontal Force.

Where anchorage details are not shown on the drawings the field installation shall be subject to the approval of the mechanical engineer and the field representative of the Office of the State Architect.

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LICENSED ARCHITECT — RICHARD L. KLASSEN — C 17401 — REGISTERED PROFESSIONAL ENGINEER — MECHANICAL — C-10,401 — C-8,610

The layout, drawings, specifications and designs contained in these plans and documents are the property of the architect and are not to be used in whole or part thereof without the written consent of the architect. These plans and documents have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.
Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors and subcontractors shall verify and be responsible for all dimensions in the field. Any discrepancies in the plans and specifications must be reported to the architect immediately. Submission or delivery of these plans to any governmental agency or to any other person or entity in connection with the performance of work on this project is not intended to and does not create any rights in any third parties.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

Sheet title: AIR CONDITIONING PLAN

BAKERSFIELD, CALIFORNIA

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24, PART 1

REGISTERED PROFESSIONAL ENGINEER — GILBERT L. RIVE — 16026224 — MECHANICAL — STATE OF CALIFORNIA

5767

REVIEWER — DATE 7/21/15

REVIEWER — DATE 6/3/15

REVIEWER — DATE

Department of General Services — Division of the State Architect

PORTION 1 — 11 1993

Structural Safety Section

Reviewed By

RECEIVED — MAR 0 1 2016

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Date	Issued For

Date	Revisions
6-24-93	ADD #2

Drawn by: DLB

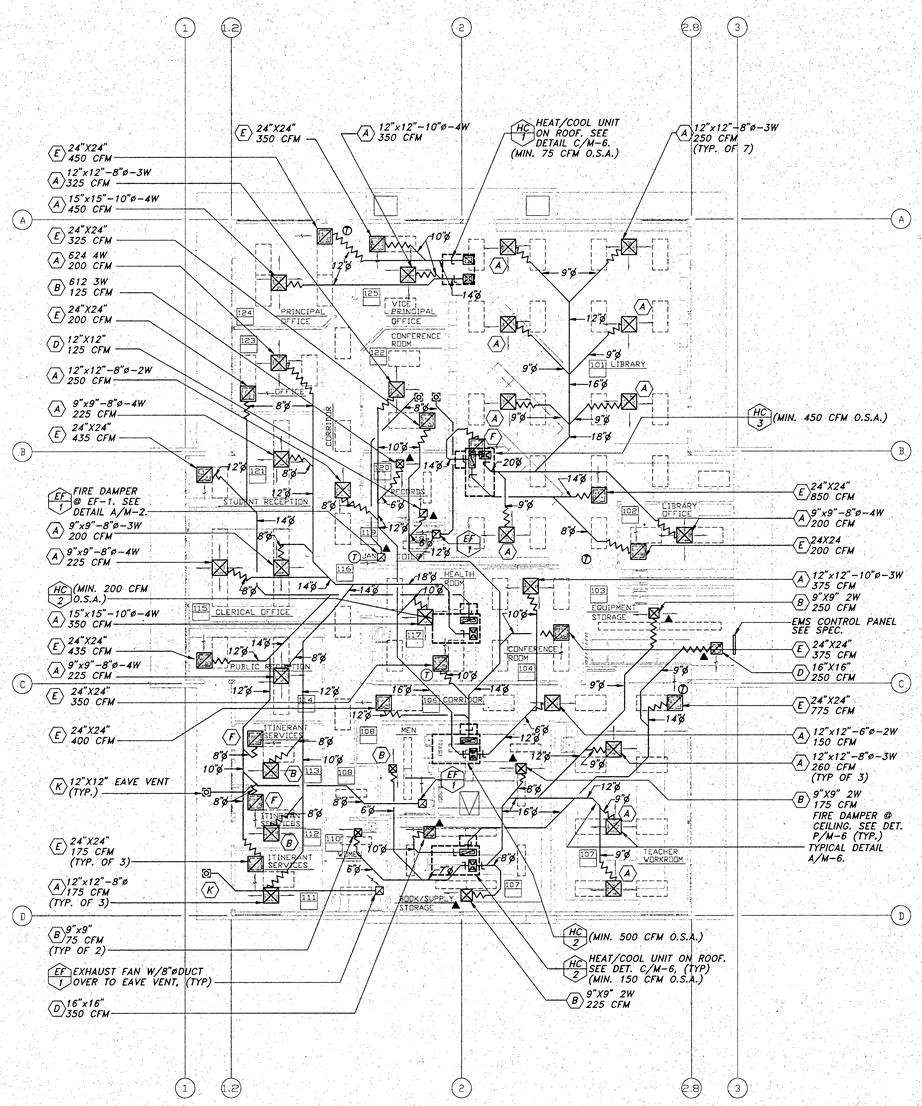
Checked by: DLB

Job No: 1223

Sheet: M.1

Sheet of: 6

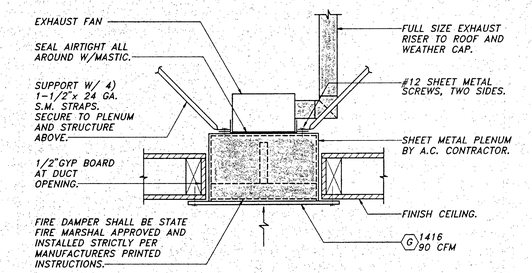
Date:



north

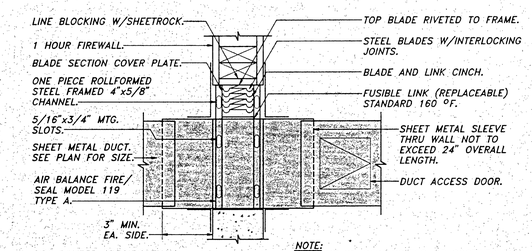
ADMINISTRATION / LIBRARY AIR CONDITIONING PLAN 'A'

1/8" = 1'-0"



CEILING EXHAUST FAN W/FIRE DAMPER DETAIL A/M-2

SCALE: NONE



FIRE DAMPER SPECIFICATION:
ALL FIRE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED & INSTALLED STRICTLY PER MANUFACTURERS PRINTED INSTRUCTIONS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.

NOTE:
L FRAME WELDED, BOLTED OR SCREWED TO ALL 4 SIDES OF SLEEVE. L FRAME SHALL BE DESIGNED TO LAP WALL NOT LESS THAN 1". ROUGH OPENING IN MASONRY WALLS & NET OPENING IN FRAME WALLS SHALL EXCEED NET O.D. OF DAMPER ASSEMBLY. DO NOT FASTEN SIDES OR TOP OF L TO WALL OR PARTITION.

FIRE DAMPER DETAIL B/M-2

SCALE: NONE

FIRE DAMPER DETAIL FOR REFERENCE ONLY.

THIS DOCUMENT HAS BEEN REVIEWED FOR COMPLIANCE IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24
37/62
BY MNA DATE 7/21/93
REVIEWER
BY MNA DATE 7/21/93
REVIEWER
DATE
REVIEWER

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAR 11 1993
Structural Safety Section
Appl # AS 91 62
By MNA
MAR 8 1993

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT
PHIL KLASSEN
Expires 12-31-93
STATE OF CALIFORNIA

C-8,610 C-10,401

The above drawings and specifications are hereby assigned to the ownership of the architect and are not to be changed or copied in any form whatsoever, nor assigned to any third parties without written authorization from the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions. The architect will not be responsible for any changes and field problems not approved by him prior to construction. Any deviations shall be submitted to the architect for approval before proceeding with construction.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA
Sheet title: ADMINISTRATION / LIBRARY AIR CONDITIONING PLAN

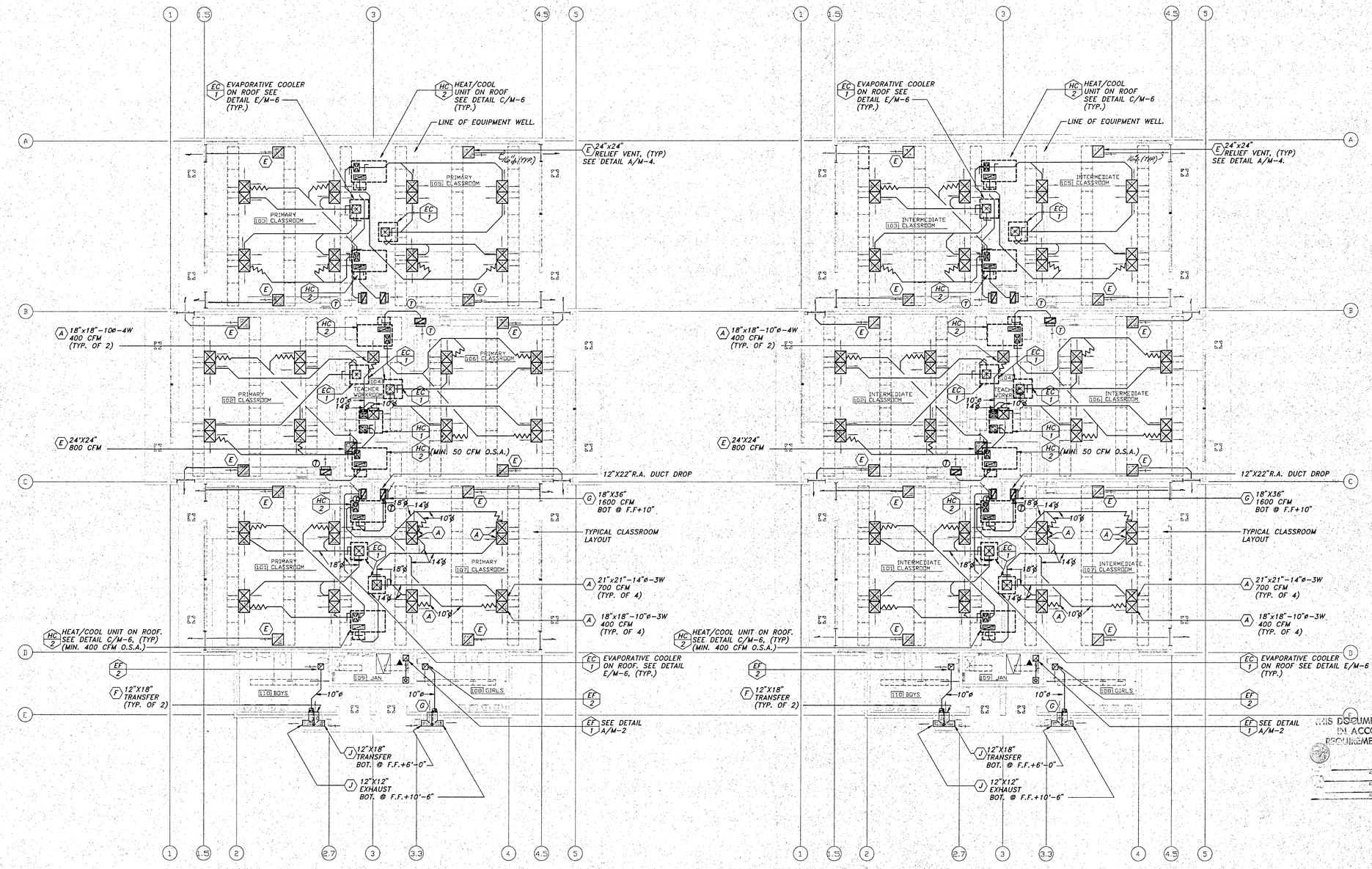
R. REGISTERED PROFESSIONAL ENGINEER
GILBERT L. NYE
M 026224
Exp. 6-30-93
MECHANICAL
STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1301 N. Spurr Avenue, Suite 22 Tulare, Ca. 93274
(209) 688-0181 FAX-688-1324-4227

Date:	Issued for:

Date:	Revisions:
6-24-93	ADD #2

Drawn by: DLB
Checked by: LNB
Job no: 1223
Sheet: M.2
Sheet of: 6
Date:



North

PRIMARY CLASSROOM AIR CONDITIONING PLAN 'E'

1/8" = 1'-0"

INTERMEDIATE CLASSROOM AIR CONDITIONING PLAN 'F'

KLASSEN CORPORATION
Architecture
Planning
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2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

REGISTERED LICENSED ARCHITECT — LYNN KLASSEN — 017401 — STATE OF CALIFORNIA

C-8,610 C-10,401

The ideas, drawings and information here and while designed for the project are the property of the architect and are not to be used in whole or part for any other project without written consent of the architect. Visual contact with these drawings or specifications shall constitute prima facie evidence of the acceptance of these restrictions.
Written dimensions on these drawings shall have precedence over scaled dimensions. Contractor shall verify and be responsible for all dimensions on the job site. Do not scale drawings. Any discrepancies shall be reported to the office for clarification before proceeding with construction.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet Title: MECHANICAL FLOOR PLAN

REGISTERED PROFESSIONAL ENGINEER — GILBERT L. NYE — M 025228 — Exp. 6-30-95 — MECHANICAL — STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 T Street, Suite D, Fresno, CA 93721
(209) 498-4616 FAX 498-4627

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24
59162
MA/LA DATE 7/21/93
REVIEWER
DSA/LA DATE 9/3/93
REVIEWER
DATE

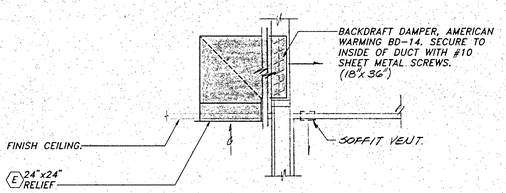
Date	Issued for:

Date	Revisions:
8-24-93	ADD #2

IDENTIFICATION
Department of Veterans Services
Office of the State Architect
PORTION 1
JUL 11 1993
Structural Safety Section
App. # A 59162
Inspector of Record

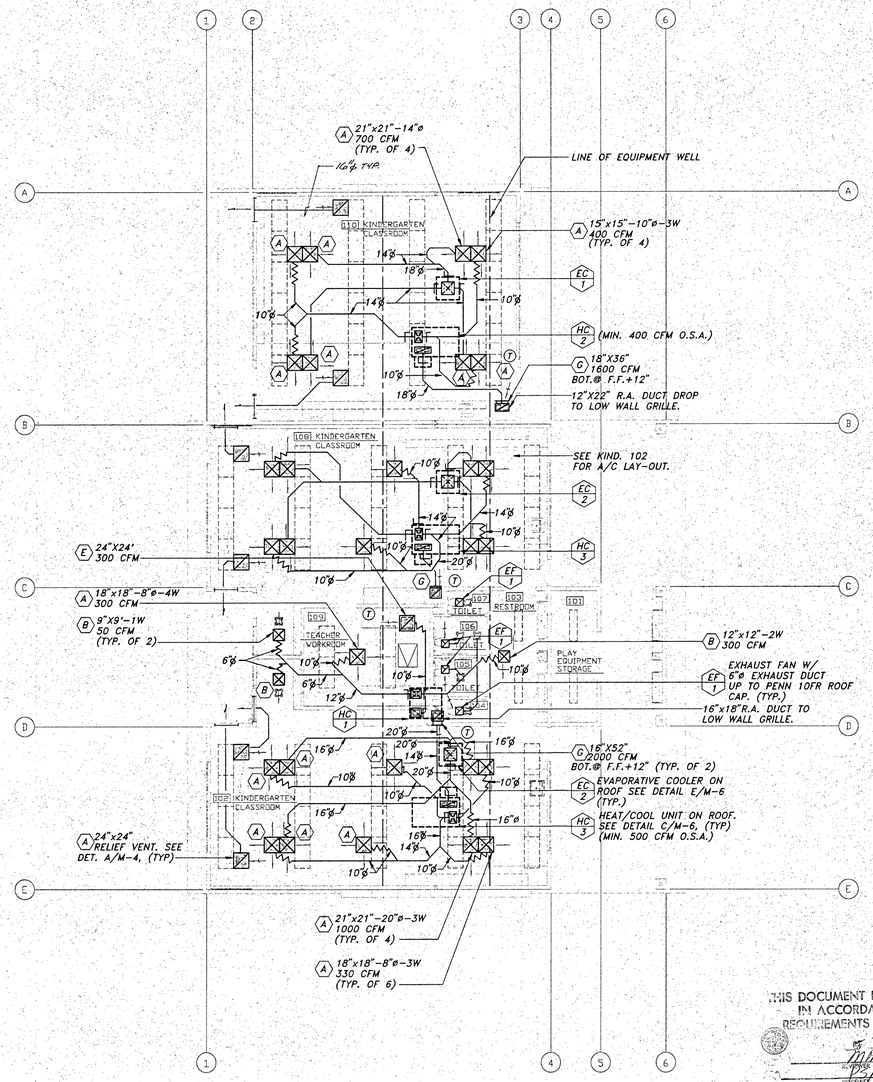
APPROVED
MAR 8 1994

Drawn by: MLB
Checked by: LNK
Job no: 1223
Sheet: M.3
Sheet of 6
Date:



SECTION AT RELIEF VENT DETAIL — A/M-4

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



north

KINDERGARTEN AIR CONDITIONING PLAN — D

1/8" = 1'-0"

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24

DATE 7/21/93

DATE 7/30/93

DATE

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
NOV 11 1993
Structural Safety Section
1 A 2 1 1 6 /

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

REGISTERED LICENSED ARCHITECT PAUL KLASSEN C-8,610 C-10,401

The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect and no part thereof shall be copied, disclosed to others or used in connection with any work or other project for which they are not specifically prepared and developed without the written consent of the architect. Visual contact with these drawings and specifications shall constitute conclusive evidence of acceptance of these restrictions.

Contractor shall verify and be responsible for all dimensions and conditions on the job. Any discrepancy in these drawings and/or specifications must be reported to the architect immediately. Contractor shall not proceed with any work without clarification. Contractor shall assume all responsibility for any changes made in these drawings and/or specifications without the knowledge and consent of the architect. Submission of or failure to submit shop drawings to the architect for review shall not relieve contractor of responsibility for deviations from requirements of the contract documents by contractor unless he has in writing called the architect's attention to such deviations at the time of submission and the architect has given written approval to the specific deviation. Contractor shall not be relieved of responsibility for errors or omissions in shop drawings by the architect's review thereof.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

Sheet title: KINDERGARTEN CLASSROOM AIR CONDITIONING PLAN

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE M 026224 Exp. 6-30-95 MECHANICAL STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1301 T Street (mailing address) Fresno, CA 93721
(209) 485-8181 (209) 485-8182

Date:	Issues For:

Date:	Revisions:
6-24-93	ADD #2

Drawn by: DB

Checked by: LNB

Job no: 1223

Sheet: M.4

Sheet of: 6

Date:

GRILLE SCHEDULE		
MARK	DUTY	DESCRIPTION
A	CEILING SUPPLY	TUTTLE & BAILEY SRSV LOUVER FACE SQUARE NECK W/ROUNDNECK ADAPTER DIFFUSER FOR STD. LAY-IN CEILING, WITH O.B.D., FLAT BLACK INTERIOR AND NO. 7 FINISH.
B	CEILING SUPPLY	TUTTLE & BAILEY SFSV LOUVER FACE SQUARE NECK DIFFUSER FOR SURFACE MOUNTING WITH O.B.D. FIXED PATTERN, AND NO. 7 FINISH.
C	WALL SUPPLY	TUTTLE & BAILEY GEAV DIFFUSER WITH INTEGRAL CORE, O.B.D. 5 DEG. UPWARD DEFLECTION AND NO. 7 FINISH.
D	CEILING RETURN OR EXHAUST	TUTTLE & BAILEY TXE ALUMINUM EGG CRATE REGISTER WITH 1/2"X1/2" GRID FOR SURFACE MOUNTING, AND NO. 7 FINISH.
E	CEILING RETURN OR EXHAUST	TUTTLE & BAILEY TXO ALUMINUM EGG CRATE REGISTER WITH 1/2"X1/2" GRID FOR STD. LAY-IN CEILING.
F	WALL RETURN (HEAVY DUTY)	TUTTLE & BAILEY T110G HEAVY GAGE STEEL CORE REGISTER O.B.D., AND BAKED OFF-WHITE ENAMEL FINISH.
G	WALL RETURN OR EXHAUST	TUTTLE & BAILEY GERV REGISTER WITH INTEGRAL CORE, (WITHOUT INDENTS), O.B.D., AND NO. 7 FINISH.
H	TRANSFER GRILLE	TUTTLE & BAILEY GER REGISTER WITH INTEGRAL CORE, (WITHOUT INDENTS), AND NO. 7 FINISH.
J	WALL LOUVER	AMERICAN WARMING AND VENTILATING LF-47. FORMER METAL LOUVER. PRIME COAT SUITABLE FOR FINISH PAINTING, WITH BIRD SCREEN.
K	SOFFIT GRILLE	TUTTLE & BAILEY GER WITH INTEGRAL CORE.(WITHOUT INDENTS). AND NO.7 FINISH

SUPPLY FAN SCHEDULE	
DESIGNATION	SF-1
CFM	4,000
ESP (IN WC)	0.625
HP/WATTS	1-1/2 / -
VOLTS/PHASE	208/3
RPM	620
TIP SPEED/SONES	2,418/-
DRIVE	BELT
MOUNTING	ROOF
FILTERS	4/20X25X2
MANUFACTURER	PENN
TYPE	MUFFAN
MODEL NUMBER	MU4015
CONTROL	①
LOCATION	KITCHEN
OPER WT (LBS)	200
ACCESSORIES	-

① INTER-LOCK W/MUA-1.

PACKAGE AIR CONDITIONING UNIT SCHEDULE					
DESIGNATION	HC-1	HC-2	HC-3	HC-4A - HC-4B	
NAMEPLATE AMPS	14.2	10.4	13.68	14.91	
VOLTS/PHASE	208/1	460/3	460/3	460/3	
SEER AT ARI	9.5	9.3	9.3	8.4	
BLOWER	CFM	800	1600	2,000	4,000
	DUCT SP (IN WC)	0.5	0.5	0.6	1.0
	MIN OSA (CFM)	SEE PLAN	SEE PLAN	SEE PLAN	1000
	HP/SPEED	1/3 / MED	3/4 / HI	1.0/-	2 / -
	DRIVE	DIRECT	DIRECT	DIRECT	BELT
	MAX FUSE SIZE	25	20	20	30
COOLING	SENSIBLE (MBH)	18.5	37.9	49.5	95.9
	TOTAL (MBH)	20.9	44.4	54.1	108.1
	EADB/EAWB (°F)	80/64	80/64	80/64	80/64
	AMB AIR (°F)	110	110	110	110
HEATING	INPUT (MBH)	40.0	74.0	74.0	180.0
	OUTPUT (MBH)	31.0	58.46	58.46	142.2
	FUEL	NATURAL GAS	NATURAL GAS	NATURAL GAS	NATURAL GAS
FILTERS	QUANTITY/SIZE	1/20x25x2	2/16x25x2	2/16x25x2	4/20x20x2
	TYPE	FARR 30/30	FARR 30/30	FARR 30/30	FARR 30/30
	PD (IN WC)	0.2	0.3	0.3	0.3
MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER
TYPE		GAS ELECTRIC	GAS ELECTRIC	GAS ELECTRIC	GAS ELECTRIC
MODEL NUMBER		48NLTO24300	48DJD005	48DJD006	48DJD012
LOCATION		ROOF	ROOF	ROOF	ROOF
OPER WT (LBS)		460	540	600	1,100
ACCESSORIES		SEE SPECS	SEE SPECS	SEE SPECS	SEE SPECS

EXHAUST FAN SCHEDULE						
DESIGNATION	EF-1	EF-2	EF-3	EF-4	EF-5	EF-6
CFM	95	200	500	2,000	3,900	3,600
ESP (IN WC)	0.1	0.1	0.30	0.25	1.0	1.0
HP/WATTS	-/50	-/105	1/8/-	1/2/-	1 1/2/-	2/-
VOLTS/PHASE	120/1	120/1	120/1	120/1	208/3	208/3
RPM	1050	1050	1079	1517	785	1,465
TIP SPEED/SONES	-/1.3	-/2.4	3,107/4.3	5,361/11.0	5,035/8.7	6701
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	BELT	BELT
MOUNTING	CEILING	CEILING	ROOF	ROOF	ROOF	ROOF
MANUFACTURER	PENN	PENN	PENN	PENN	PENN	ILG
TYPE	ZEPHYR	ZEPHYR	DOMEX	DOMEX	FUMEX	UTILITY
MODEL NUMBER	Z-6	Z-8	AT10L	AB35	24B	BCL1650
CONTROL	①	①	SEE SPEC.	②	SEE SPEC.	SEE SPEC.
LOCATION	SEE PLANS	SEE PLANS	DISH WASH	MULTI-USE	KITCHEN	KITCHEN
OPER WT (LBS)	20	25	40	50	220	200
ACCESSORIES	-	-	-	ACOUSTIC CURB	HINGED SUBBASE VENTILATED CURB	-

① INTERLOCK WITH EMS.
② INTERLOCK WITH HC-4A & 4B.

EVAPORATIVE COOLER SCHEDULE		
DESIGNATION	EC-1	EC-2
CFM	2800	4,000
ESP (IN WC)	0.4	0.4
FAN HP	1/2	3/4
FAN VOLTS/PHASE	120/1	120/1
PUMP HP	75W	75W
PUMP VOLTS/PHASE	120/1	120/1
RPM	-	-
MANUFACTURER	ARVIN	ARVIN
TYPE	DOWN DISCH	DOWN DISCHARGE
MODEL NUMBER	ED430C	ED6300
LOCATION	ROOF	ROOF
OPER WT (LBS)	325	400
ACCESSORIES	-	FILTERS (4) 20"x25"x2" WASHABLE

MAKE-UP AIR UNIT SCHEDULE	
DESIGNATION	MUA-1
HI/LOW	8,000/5,330
ESP (IN WC)	.6
HP	7 1/2
VOLTS/PHASE	460/3
INPUT (MBH)	540.0
OUTPUT (MBH)	432.0
FUEL	NATURAL GAS
	8
MANUFACTURER	ENERGY LABS INC.
TYPE	HEAT/COOL
MODEL NUMBER	D80A20FC
LOCATION	KITCHEN
OPER WT (LBS)	4,400
ACCESSORIES	①

① 12" CELDEK EVAPORATIVE COOLER MODUAL OUTSIDE AIR/RETURN AIR DAMPERS, FACTORY S.A. & R.A. PLENUM, & 2 SPEED FAN. SEE SPECS FOR ADDITIONAL INFORMATION.

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE M 026224 Exp. 6-30-93 MECHANICAL STATE OF CALIFORNIA

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24
59162
DESIGNER MHA DATE 7/21/93
CHECKED BY MHA DATE 9/3/93
REVIEWER DATE

PORTION 1
IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
MAR 11 1993
Structural Safety Section
Initial A 59162
Incremented By

MAR 8 1993

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

M. KLASSEN ARCHITECT No. 11,533 CIVIL STRUCTURAL REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA
C-8,610 C-10,401
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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: MECHANICAL SCHEDULES

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 N. River Avenue, Suite 28 Fresno, CA 93721
(209) 268-1132 FAX-268-1134

Date	Issued for:

Date	Revisions:
6-24-93	ADD #2

Drawn by: MLB
Checked by: LNB
Job No: 1223
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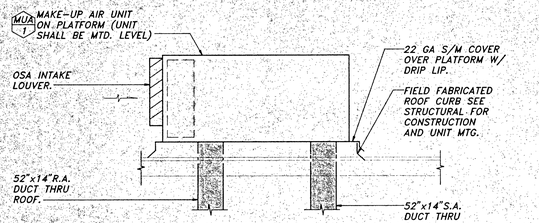
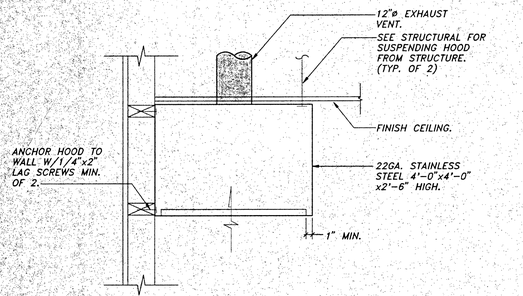
Sheet of: 6
Date:



SECTION AT MAKE-UP AIR UNIT

M / M-6

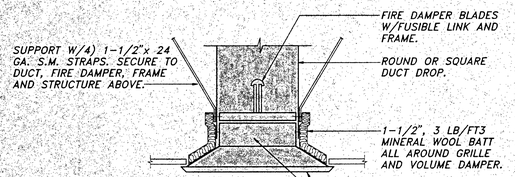
SCALE: NONE



SECTION AT DISHWASHER HOOD

N / M-6

SCALE: NONE



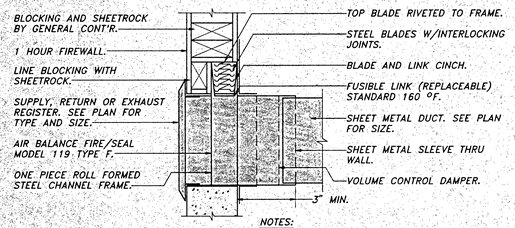
FIRE DAMPER SPECIFICATIONS:

ALL FIRE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED AND INSTALLED STRICTLY PER MANU-FACTURERS PRINTED INSTRUCTIONS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.

CEILING FIRE DAMPER DETAIL

P / M-6

SCALE: NONE



NOTES:

1. GRILLE W/REMOVABLE CORE WHERE ACCESS DOOR IS IMPRACTICAL.
2. L FRAME WELDED, BOLTED OR SCREWED TO ALL 4 SIDES OF SLEEVE. L FRAME SHALL BE DESIGNED TO LAP WALL NOT LESS THAN 1". ROUGH OPENING IN MASONRY WALLS & NET OPENING IN FRAME WALLS SHALL EXCEED NET O.D. OF DAMPER ASSEMBLY. DO NOT FASTEN SIDES OR TOP OF L TO WALL OR PARTITION.

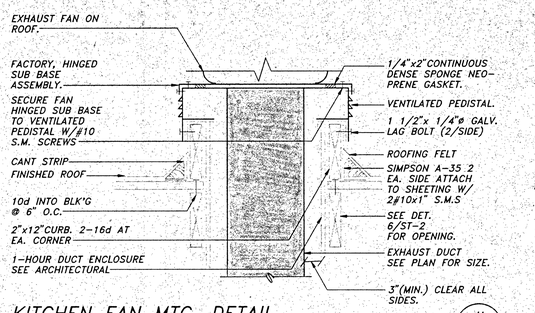
FIRE DAMPER SPECIFICATION:
ALL FIRE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED & INSTALLED STRICTLY PER MANUFACTURERS PRINTED INSTRUCTIONS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.

FIRE DAMPER DETAIL

R / M-6

SCALE: NONE

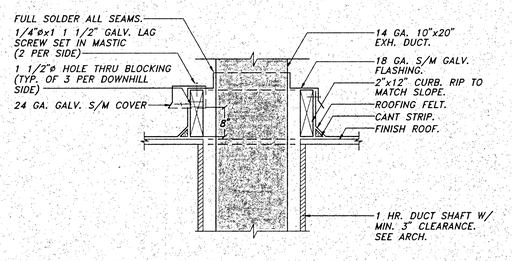
FIRE DAMPER DETAIL FOR REFERENCE ONLY.



KITCHEN FAN MTG. DETAIL

H / M-6

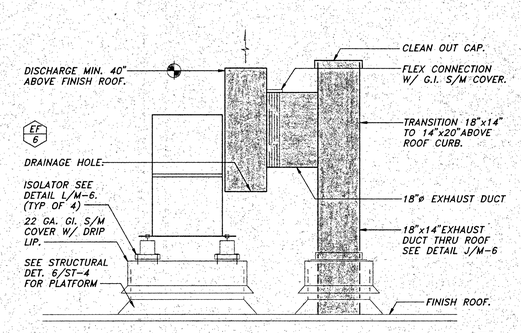
SCALE: NONE



KITCHEN EXHAUST ROOF PENETRATION DETAIL

J / M-6

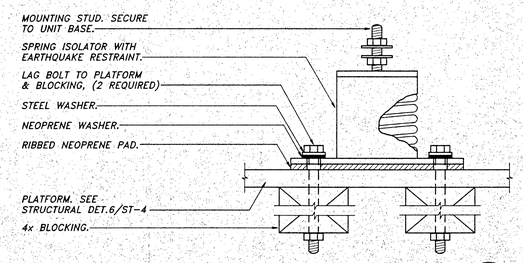
SCALE: NONE



EXHAUST FAN EF-6 MOUNTING

K / M-6

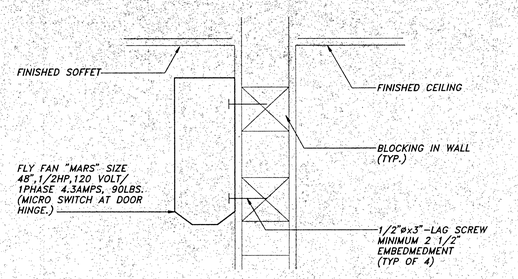
SCALE: NONE



SPRING ISOLATOR DETAIL

L / M-6

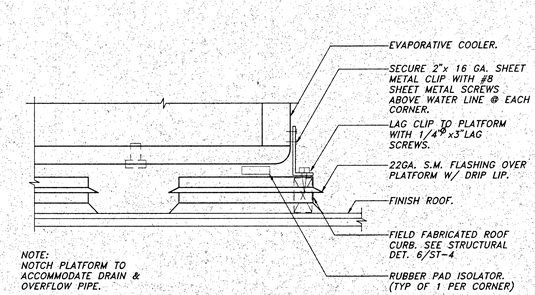
SCALE: NONE



FLY FAN MOUNTING DETAIL

D / M-6

SCALE: NONE

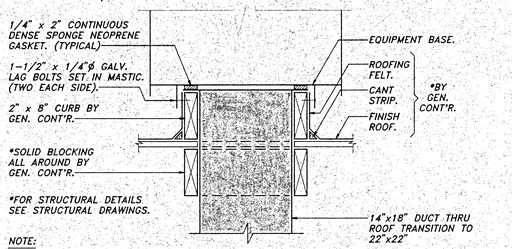


NOTE:
NOTCH PLATFORM TO ACCOMMODATE DRAIN & OVERFLOW PIPE.

EVAPORATIVE COOLER MOUNTING DETAIL

E / M-6

SCALE: NONE

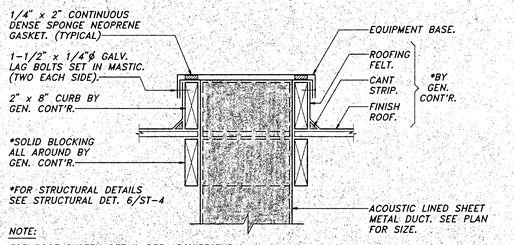


NOTE:
FOR ROOF SYSTEM DETAIL SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

SUPPLY FAN MOUNTING

F / M-6

SCALE: NONE

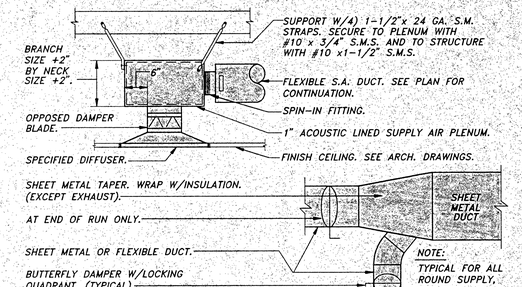


NOTE:
FOR ROOF SYSTEM DETAIL SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

EQUIPMENT SUPPORT DETAIL

G / M-6

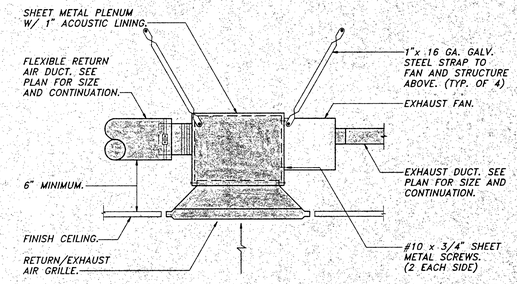
SCALE: NONE



TYPICAL S.A. DEVICE-BRANCH DUCT DETAIL

A / M-6

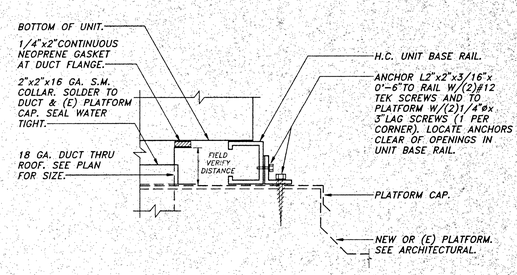
SCALE: NONE



RETURN/EXHAUST AIR PLENUM DETAIL

B / M-6

SCALE: NONE



H.C. UNIT MOUNTING DETAIL

C / M-6

SCALE: NONE

REGISTERED PROFESSIONAL ENGINEER GILBERT L. AYE M 026224 Exp 6-30-95 MECHANICAL STATE OF CALIFORNIA

THIS DOCUMENT HAS BEEN REVIEWED IN ACCORDANCE WITH THE REQUIREMENTS OF CAC, TITLE 24 5916

MHA DATE 7/21/93
REVIEWED
PSH DATE 9/3/93
REVIEWED
DATE
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IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
JUL 1 1993
Structural Safety Section
5916

JUL 8 1993

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

C-8.610 C-10.401

The various drawings and specifications are and shall remain the property of the architect and are not to be used in whole or part for any other project without written authorization of the architect and shall not be loaned, copied or disclosed without written consent. Visual contact with these plans shall constitute prima facie evidence of the acceptance of these restrictions. All drawings, specifications and ideas, designs or arrangements represented thereby are and shall remain the property of the architect. All rights are reserved. No part thereof may be used by any person, firm or corporation for any purpose whatsoever without the written permission of the architect. Visual contact with these plans shall constitute prima facie evidence of the acceptance of these restrictions.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

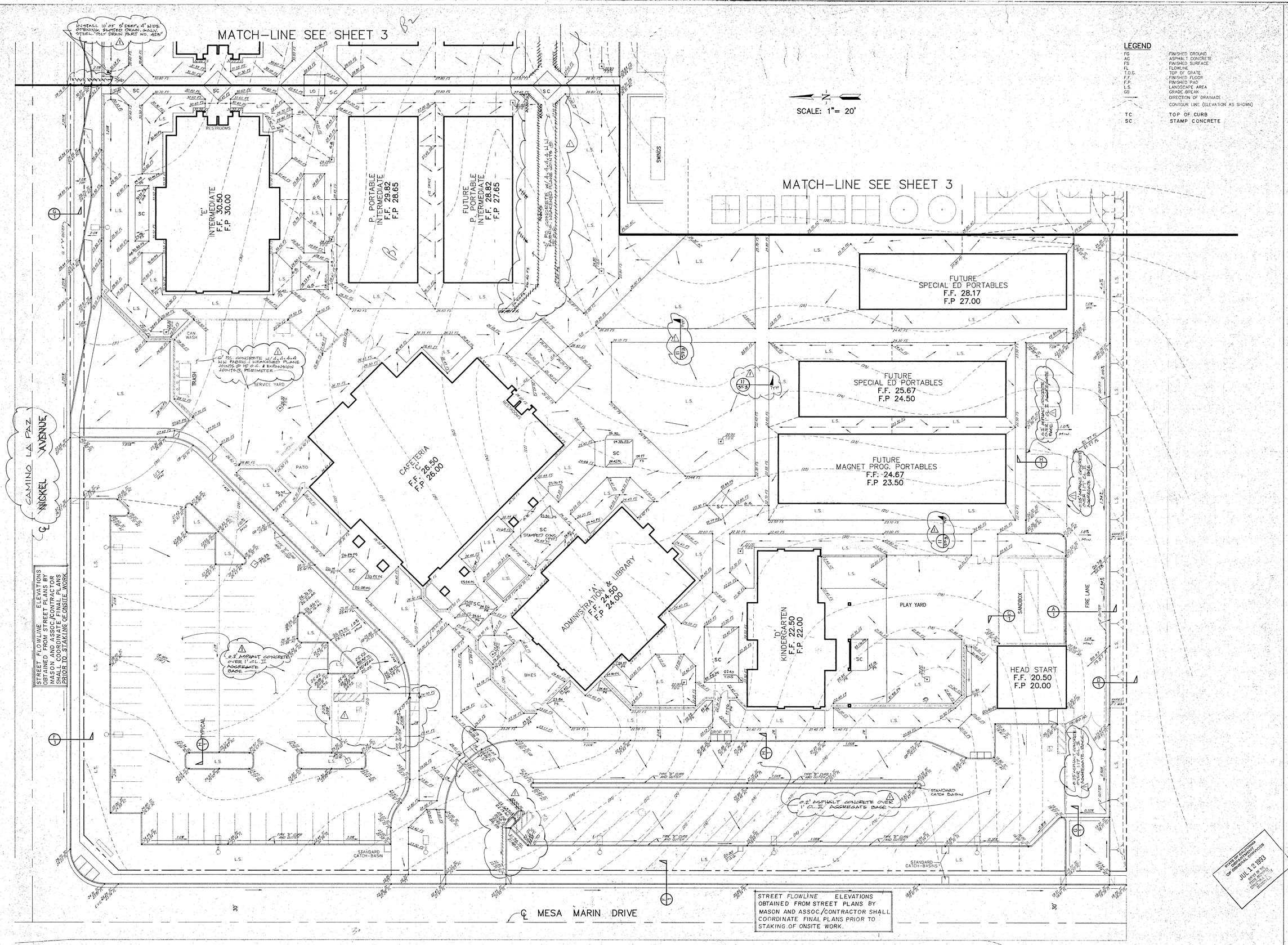
Sheet title: ATTACHMENTS AND DETAILS

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 N. Real Avenue, Suite 29 Fresno, CA 93711
(559) 256-5115 FAX (559) 256-5127

Date	Issued For

Date	Revisions
6-24-93	ADD #2

Drawn by: DJS
Checked by: LNB
Job No: 1823
Sheet: M.6
Sheet of 6
Date:



LEGEND

FG	FINISHED GROUND
AC	ASPHALT CONCRETE
FS	FINISHED SURFACE
FL	FLOWLINE
T.O.G.	TOP OF GRATE
F.F.	FINISHED FLOOR
F.P.	FINISHED PAD
L.S.	LANDSCAPE AREA
GB	GRADE BREAK
	DIRECTION OF DRAINAGE
	CONTOUR LINE (ELEVATION AS SHOWN)
TC	TOP OF CURB
SC	STAMP CONCRETE

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

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Written dimensions on these drawings shall have precedence over scaled dimension. contractors shall verify and be responsible for all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL
11201 KERN CANYON ROAD
BAKERSFIELD, CA

MESA MARIN ELEMENTARY SCHOOL
KERN CANYON ROAD
BAKERSFIELD, CA

Sheet title: **GRADING PLAN WEST HALF**

PR PORTER · ROBERTSON
ENGINEERING • SURVEYING
1200 - 21ST. STREET
BAKERSFIELD, CA 93301
805 / 327-0362
FAX 805 / 327-1065
FRED W. PORTER RCE 33448 EXP.8/30/94

92-397

REVISIONS	DATE

Date:	Issued for:

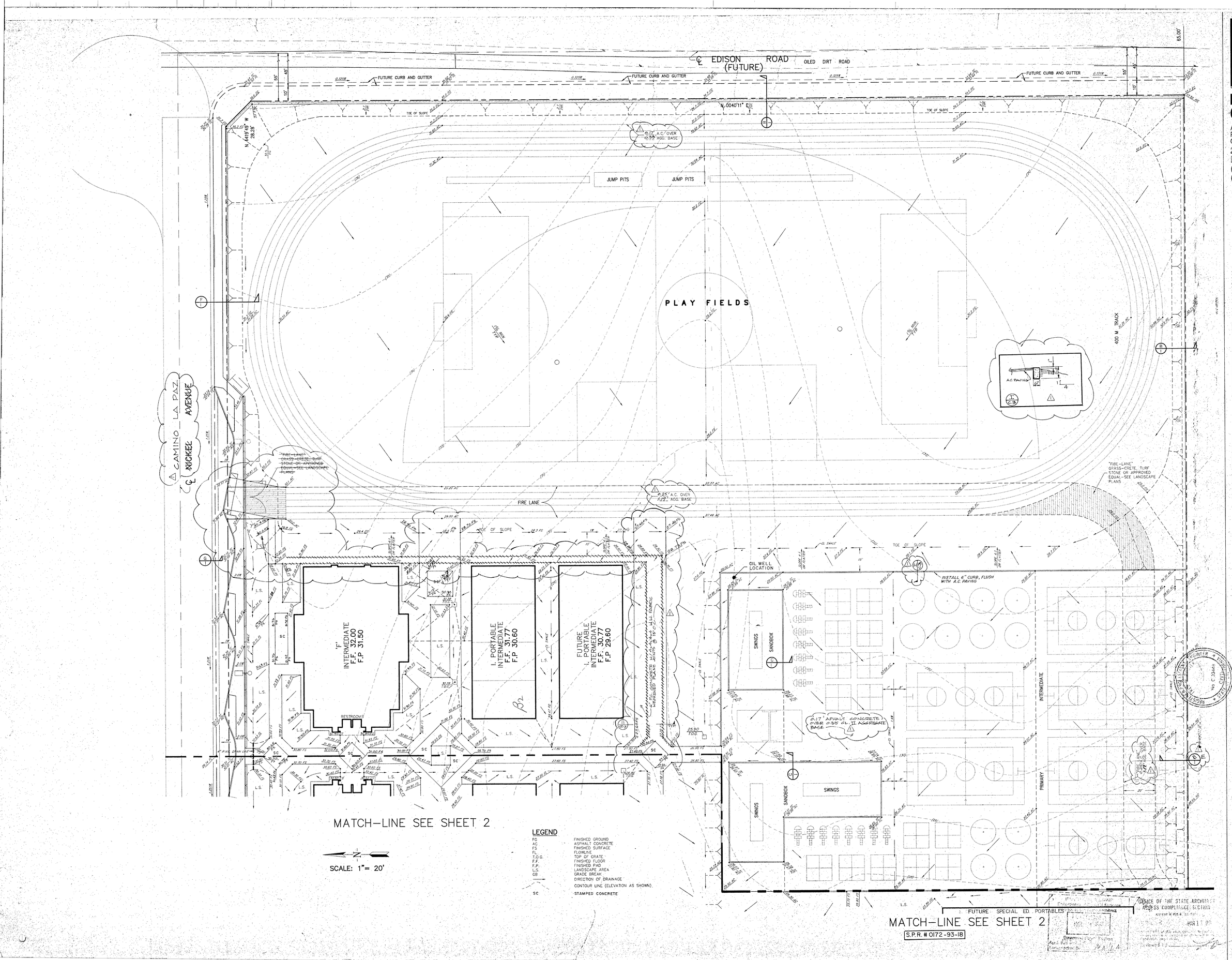
Date:	Revisions:
6-23-93	1 ADD. #2 ROG

Drawn by:
Job no: 92-397
Dgn. file:
Sheet: C.2
Sheet of:
Date:

STATE OF CALIFORNIA DEPARTMENT OF GENERAL SERVICES JUL 12 1993 DIVISION OF THE STATE ARCHITECT STRUCTURAL SECTION

S.P.R.#0172-93-18

ADDENDUM #2 & #3



MATCH-LINE SEE SHEET 2

SCALE: 1"= 20'

LEGEND

FG	FINISHED GROUND
AC	ASPHALT CONCRETE
FS	FINISHED SURFACE
FL	FLOWLINE
T.O.G.	TOP OF GRATE
F.F.	FINISHED FLOOR
F.P.	FINISHED PAD
L.S.	LANDSCAPE AREA
GB	GRADE BREAK
	DIRECTION OF DRAINAGE
	CONTOUR LINE (ELEVATION AS SHOWN)
SC	STAMPED CONCRETE

MATCH-LINE SEE SHEET 2

S.P.R. # 0172-93-18

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875
(805) 327-5933 Fax

LICENSED ARCHITECT L. PHIL KLASSEN C13401 STATE OF CALIFORNIA

The above drawings and specifications and ideas, designs and arrangements represented thereby are and shall remain the property of the architect and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written consent of the architect. Visual contact with these drawings or specifications shall constitute conclusive evidence of acceptance of these restrictions.
Written dimensions on these drawings shall have precedence over scaled dimension. Contractors shall verify and be responsible for, all dimensions and conditions on the job and this office must be notified of any variations from the dimensions and conditions shown by these drawings. Shop details must be submitted to this office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

1120 KERN CANYON ROAD BAKERSFIELD, CA

MESA MARIN ELEMENTARY SCHOOL
KERN CANYON ROAD
BAKERSFIELD, CA

Sheet title: GRADING PLAN EAST HALF

PR PORTER · ROBERTSON ENGINEERING · SURVEYING
1200 - 21ST STREET BAKERSFIELD, CA 93301
805 / 327-0362 FAX 805 / 327-1065
FRED W. PORTER RCE 33448 EXP. 6/30/94

REVISIONS | DATE

Date:	Issued for:

Date:	Revisions:
6-23-93	1 ADD #2 ROG

Drawn by:

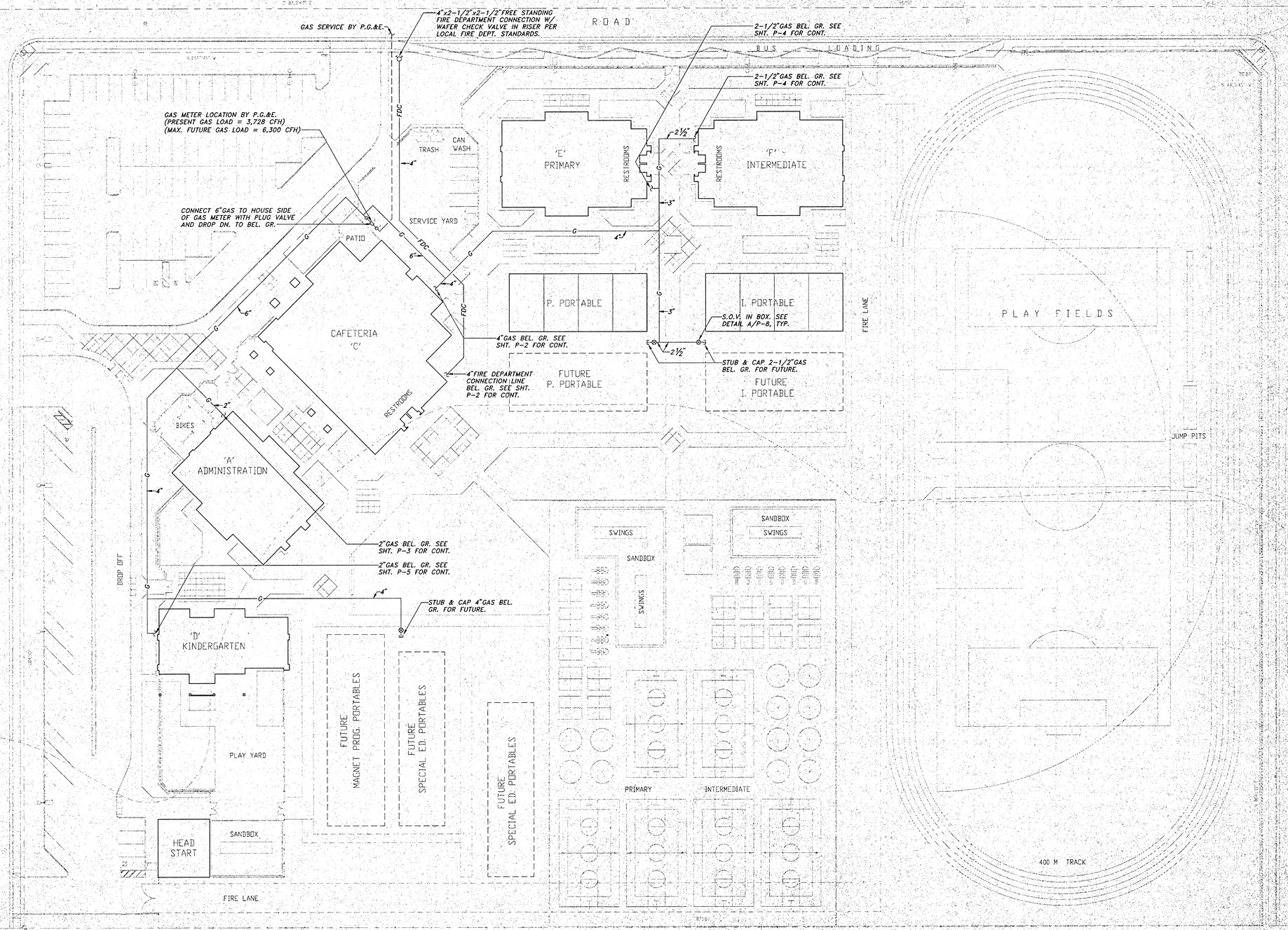
Job no: 92-397

Dgn. file:

Sheet: C.3

Sheet of:

Date:



PLUMBING SITE PLAN

1"=30'-0"

north

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

C-8,610 C-10,401

The above and foregoing plans, drawings and specifications are and shall remain the property of the Klassen Corporation and are not to be used in whole or in part for any other work or project other than the specific project for which they have been prepared and developed without the written consent of the Klassen Corporation. Visual contact with these plans and specifications shall constitute conclusive evidence of such acceptance and agreement. Any unauthorized use without written permission of these drawings and their preparer will be prosecuted to the fullest extent of the law. Klassen Corporation shall be indemnified and held harmless by the user from any claims, damages, losses, expenses or liabilities arising out of any use of these plans, drawings or specifications shown by these drawings. Only the original drawings bear the stamp and signature of the Klassen Corporation.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title:

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 N. First Avenue, Suite 19 Fresno, CA 93703
(209) 226-0181 FAX 226-0187

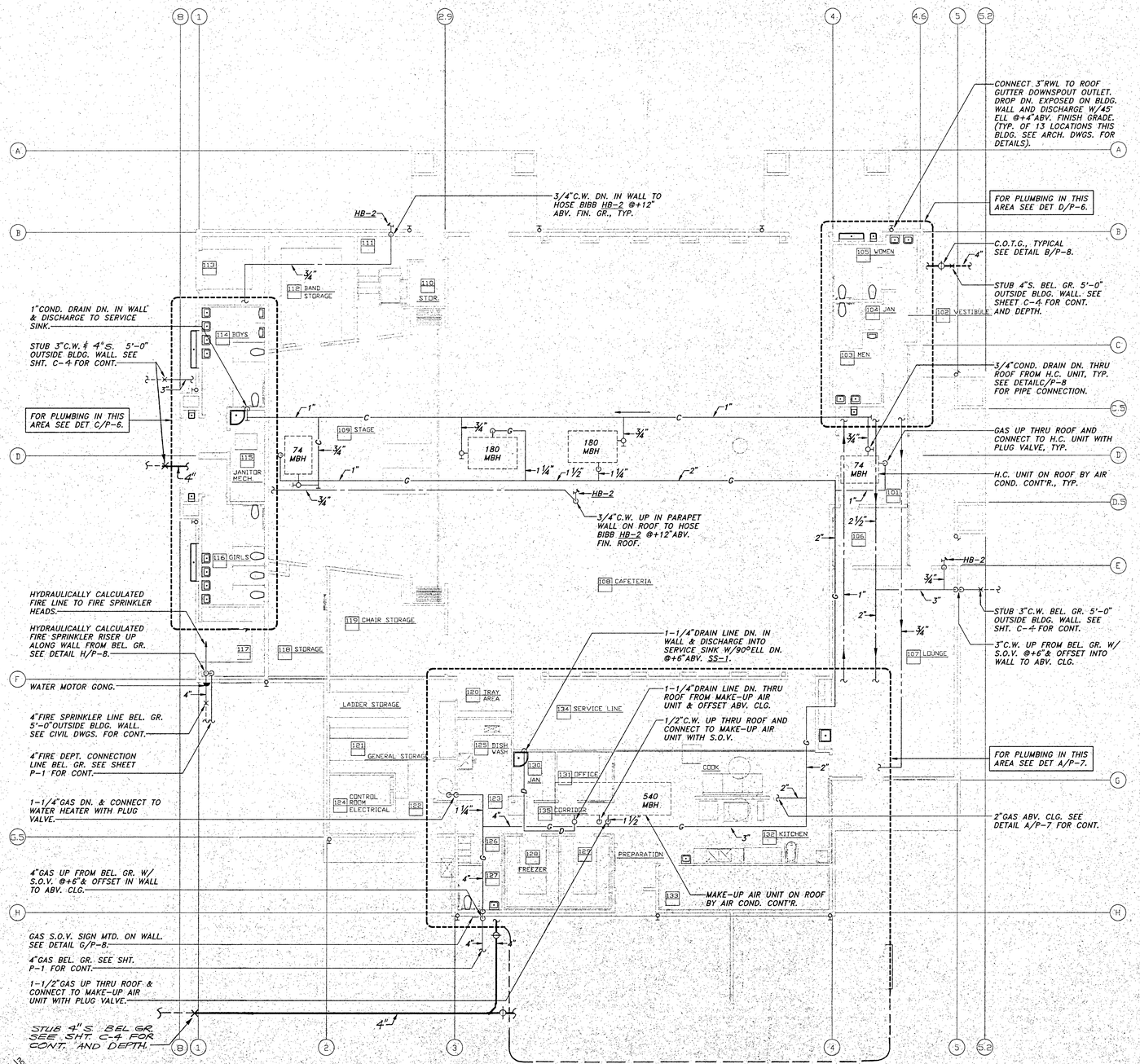
Date:	Issued for:

Date:	Revisions:
8-24-93	ADD #2

Drawn by: DLB 8-93
Checked by: DAT
Job no: 9223
Sheet: P.1
Sheet of: 6
Date:

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION

Structural Safety Section
PORTION 1
DSA-SS



CAFETERIA PLUMBING FLOOR PLAN 'C'

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT PHIL KLASSEN C10491 EXP. 1-31-94 STATE OF CALIFORNIA

C-8,610 C-10,401

The ideas shown on these drawings are the property of the architect and are not to be used in whole or part for any other project without written permission. Visual contact with these drawings shall constitute conclusive evidence of acceptance of these restrictions. The architect shall not be responsible for any changes made in these drawings by any other party. Any changes made in these drawings must be approved by this office. Failure to notify this office will relieve the architect of responsibility for any variations from the drawings as constructed unless such changes have been approved by this office. Do not scale drawings. Verify all dimensions before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: PLUMBING

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE No. 20623A Exp. 6-30-93 MECHANICAL STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 N. Sun Avenue, Suite 29 Fresno, CA 93711
(209) 299-1511 FAX (209) 299-4901

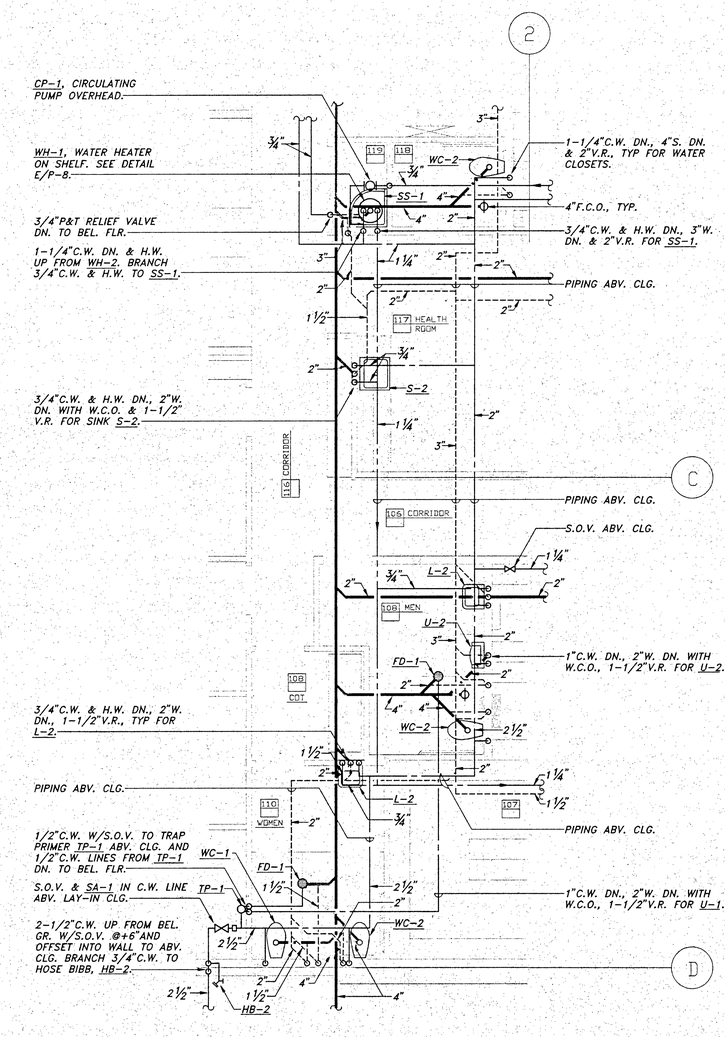
Date	Issued for:

Date	Revisions:
6-24-93	ADD #2

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
Approved for [illegible]
Date 11-17-93
Reviewed by

IDENTIFICATION NO. [illegible]
Department of General Services
Office of the State Architect
PORTION 1
NOV 17 1993
Structural Safety Section
Reviewed By

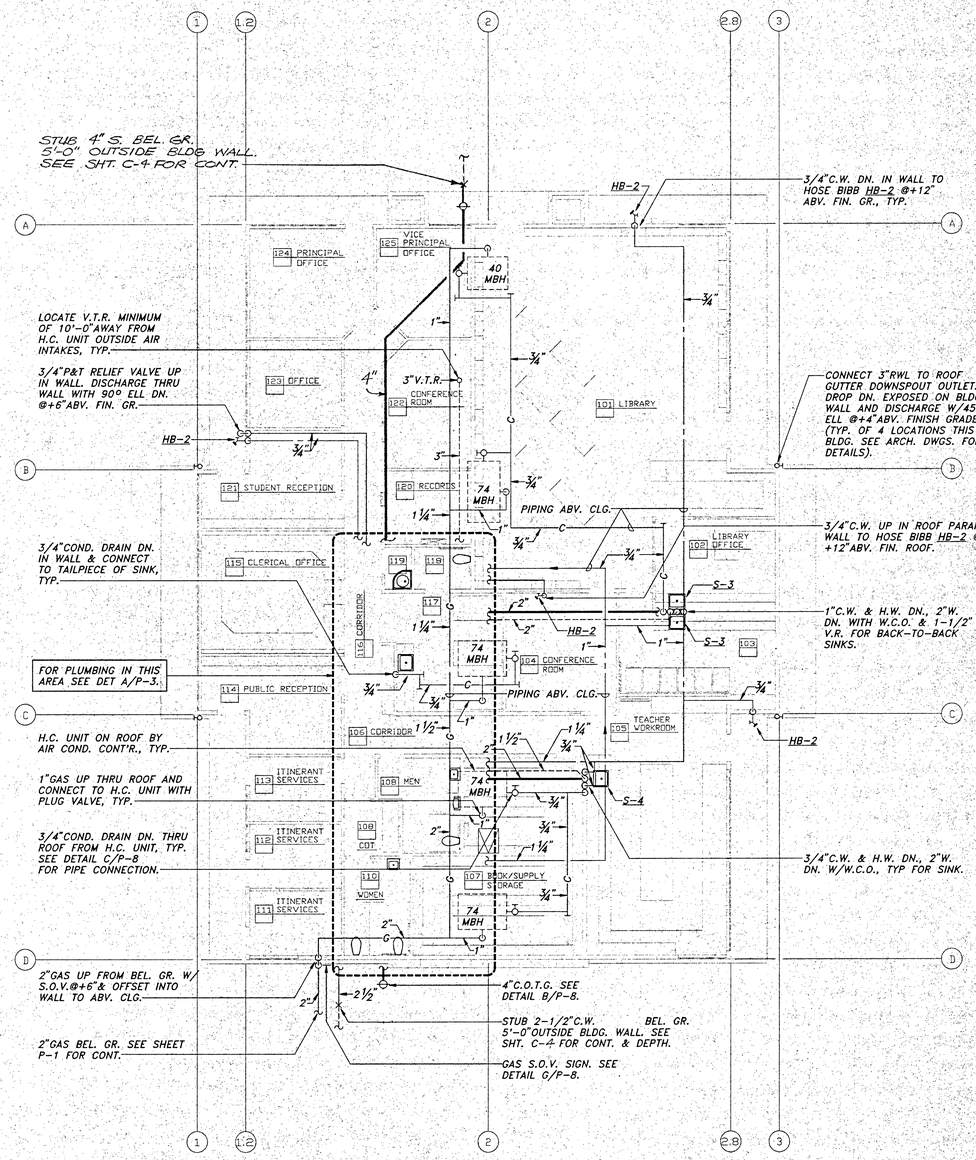
Drawn by: DLB
Checked by: DAB
Job no: 1223
Sheet: P2
Sheet no: 6
Date:



DETAILED PLUMBING PLAN

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

A / P-3



ADMINISTRATION / LIBRARY PLUMBING PLAN 'A'

1/8" = 1'-0"

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

C-8,610 REN 1-31-95 C-10,401

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: ADMINISTRATION / LIBRARY PLUMBING PLAN 'A'

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 N. Real Avenue, Suite 23 Phone, CA 93311
(209) 256-5151 FAX 256-5251

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE 19 026224 Exp. 6-30-93 MECHANICAL STATE OF CALIFORNIA

Date:	Issued for:

Date:	Revisions:
6-24-93	ADD #2

Drawn by: LLB
Checked by: GLN
Job no: 1823

Sheet: P.3
Sheet of 8

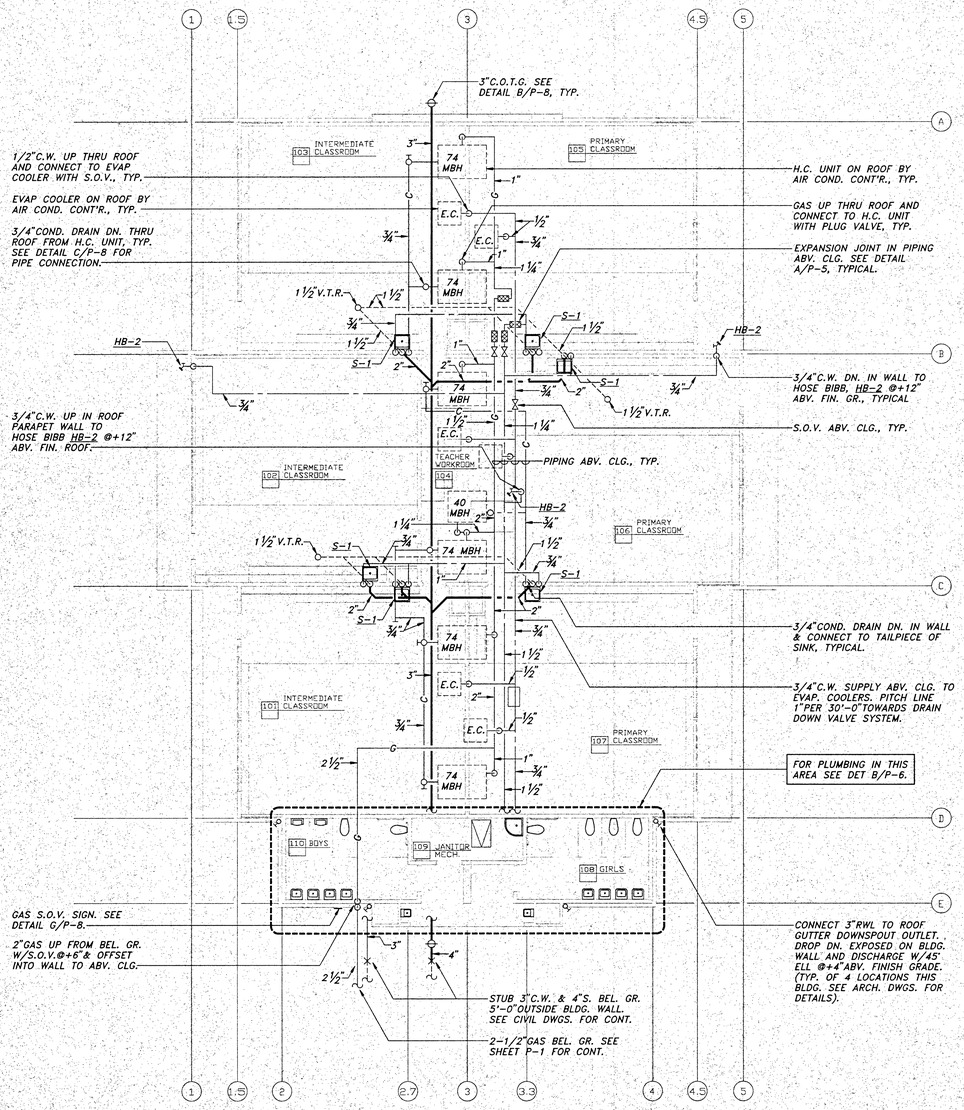
Date:

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION

Reviewed by

Division of the State Architect Office of the State Architect PORTION 1 JUL 1 1993 Structural Safety Section

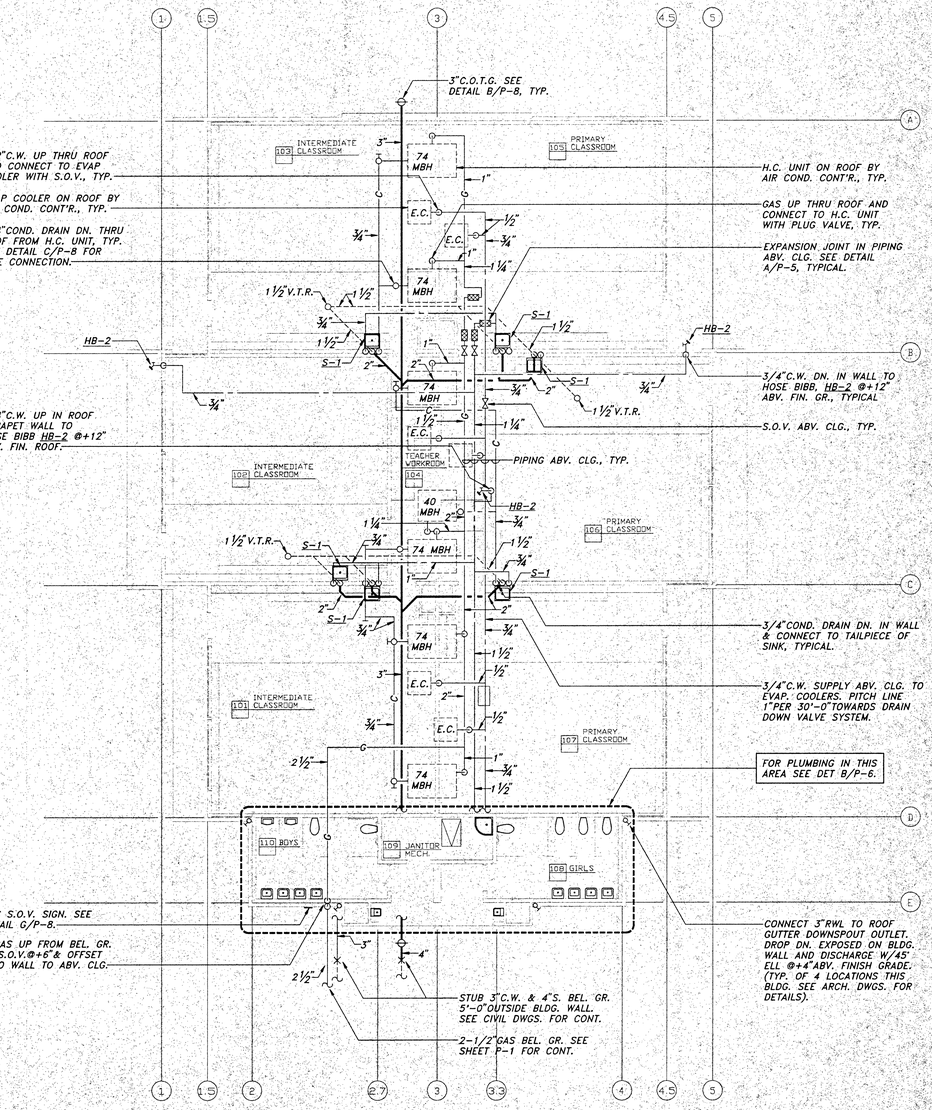
Approved by



north

INTERMEDIATE CLASSROOM PLUMBING PLAN 'E'

1/8" = 1'-0"



north

INTERMEDIATE/PRIMARY CLASSROOM PLUMBING PLAN 'F'

1/8" = 1'-0"

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT PAUL KLASSEN Expires 1-31-98 STATE OF CALIFORNIA

C-8,610 C-10,401

The ideas, designs, arrangements and plans indicated or represented by this drawing are and shall remain the property of the architect and no part thereof shall be copied, disclosed to others or used in connection with any work or project other than the specific project for which they have been prepared and developed without the written permission of the architect. Visual contact with these drawings shall constitute evidence of acceptance of these restrictions. All drawings, specifications and copies thereof furnished by the architect are and shall remain his property. They are to be used only with respect to this project and shall not be used on other projects except by agreement in writing and with appropriate compensation to the architect. Written dimensions shall have precedence over scaled dimensions. Contractor shall verify and be responsible for all dimensions and conditions on the job site. This office must be notified of any variations from the dimensions and conditions shown by these drawings. Submission of alternate materials or equipment for approval must be submitted to the office for approval before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

Sheet title: PLUMBING PLANS

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE M 026224 Exp. 6-30-94 MECHANICAL STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1301 E. Burr Avenue, Suite 19 Fresno, Ca. 93710
(209) 438-8181 FAX-(209) 264-4207

Date	Issued For

Date	Revisions
6-24-93	ADD #2

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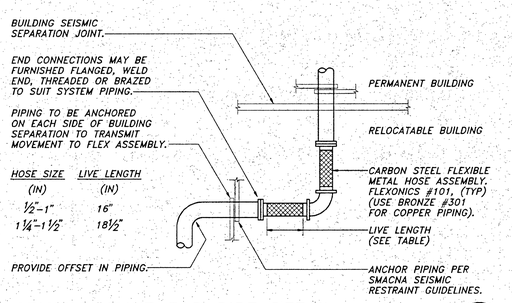
Department of General Services
Office of the State Architect
PORTION 1
SEP 17 1993
Structural Safety Section
Acct # 43910.07
Tabbed and Filed by

Drawn by: DJS
Checked by: JAD
Job no: 4283
Sheet: P.4
Sheet 4 of 6
Date:

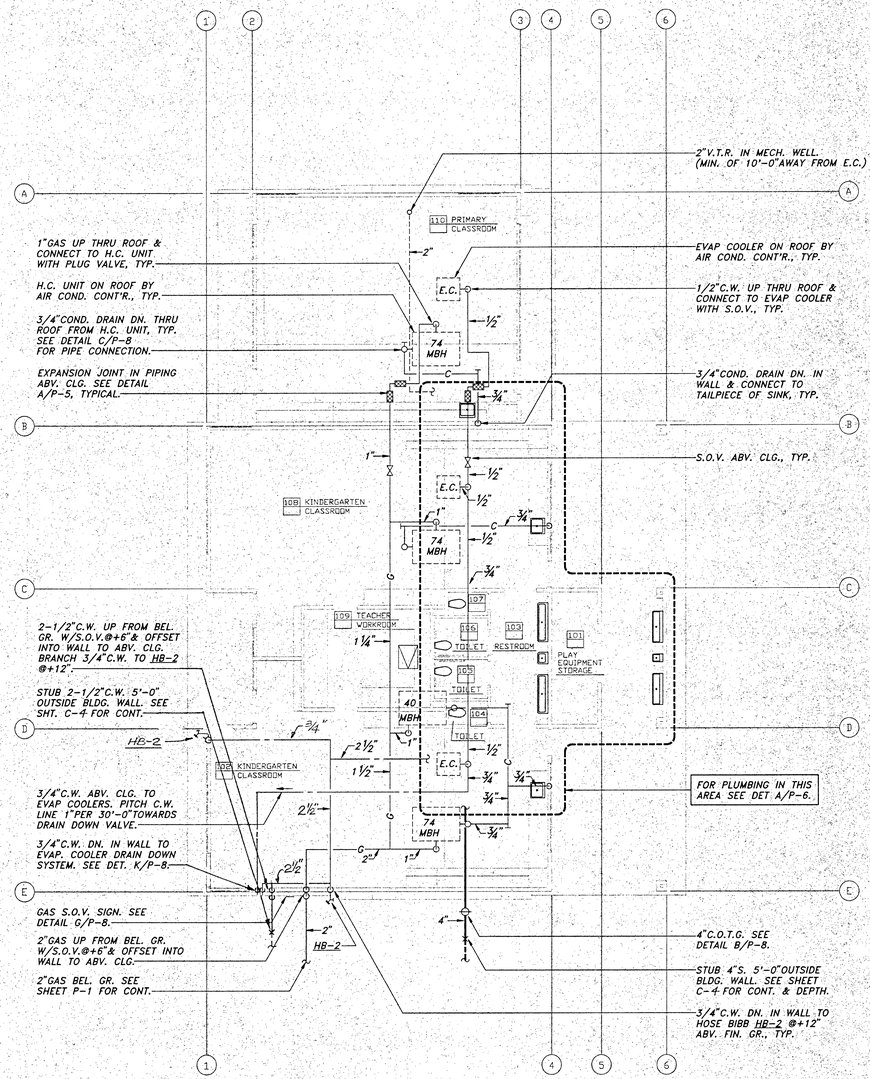
OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
APPROVED
BY: DATE: 9/1/93
Approved by



SEISMIC JOINT FOR PIPE DETAIL

A / P-5

SCALE: NONE



north

KINDERGARTEN CLASSROOM PLUMBING PLAN 'D'

1/8" = 1'-0"

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
PORTION 1
MAY 11 1993
Structural Safety Section
Appl. #A1 2 3
Back-checked By

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
EXEMPTION #OS # 93-0109
Reviewed by

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

REGISTERED ARCHITECT Edward Klassen Clover C-8,610 C-10,401 STATE OF CALIFORNIA

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All drawings, specifications and ideas contained in these documents are instruments of service and the architect shall have property rights therein. Architect does not guarantee fit of products or platform on the job as shown on these plans. Contractor shall verify all dimensions on the job and shall notify architect of any discrepancies before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: KINDERGARTEN CLASSROOM PLUMBING PLAN

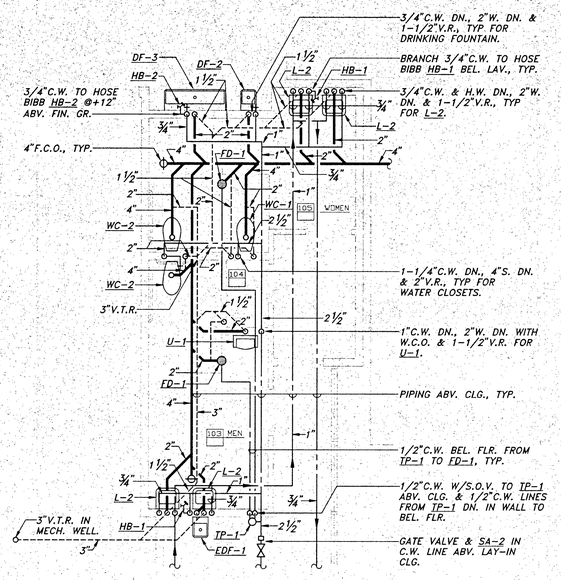
REGISTERED PROFESSIONAL ENGINEER GILBERT L. RYE 31 12/31/94 Exp. 6-30-95 MECHANICAL STATE OF CALIFORNIA

Lawrence • Rye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 N. State Avenue, Suite 19 Fresno, CA 93703
(209) 226-9100 FAX (209) 226-0837

Date	Issued for:

Date	Revisions
6-24-93	ADD #2

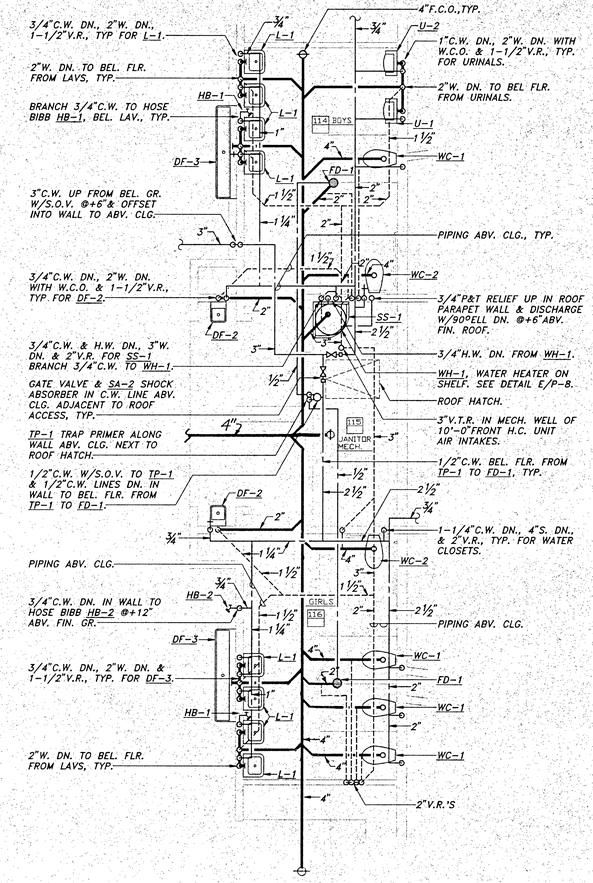
Drawn by: DCB
Checked by: DAD
Job no.: 1223
Sheet: P.5
Sheet of: 8
Date:



DETAILED PLUMBING PLAN – BLDG. "C"

D / P-6

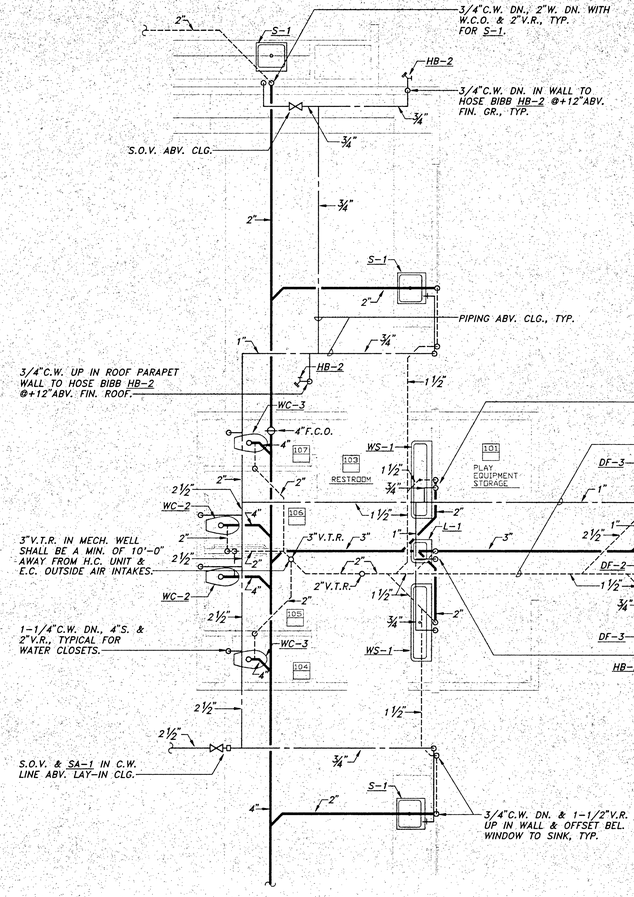
SCALE: 1/4"=1'-0"



DETAILED PLUMBING PLAN – BLDG. "C"

C / P-6

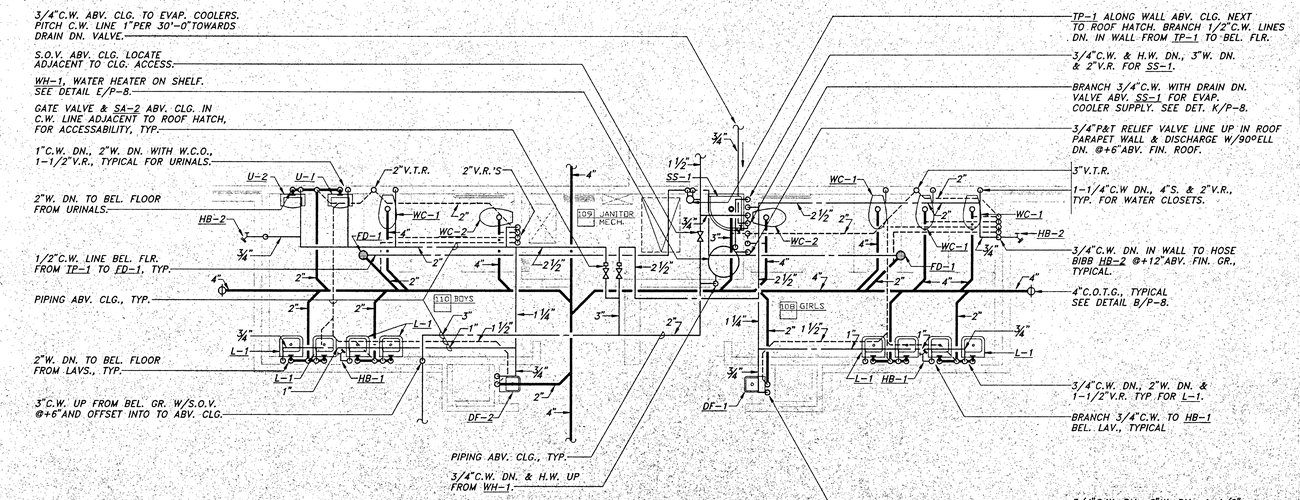
SCALE: 1/4"=1'-0"



DETAILED PLUMBING PLAN – BLDG. "D"

A / P-6

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



DETAILED PLUMBING PLAN – BLDGS "E" & "F"

B / P-6

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

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT — LYNN RAGER — C-10,591 — EXP. 8-31-95

C-8,610 C-10,401

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

Sheet title: DETAILED PLUMBING PLANS

REGISTERED PROFESSIONAL ENGINEER — GILBERT L. NYE — M 025224 — Exp. 6-30-95 — MECHANICAL — STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1301 T Street, Suite 13 Fresno, CA 93721
(209) 233-5126 FAX (209) 233-5027

Date	Issued For

Date	Revisions
6-24-93	ADD #2

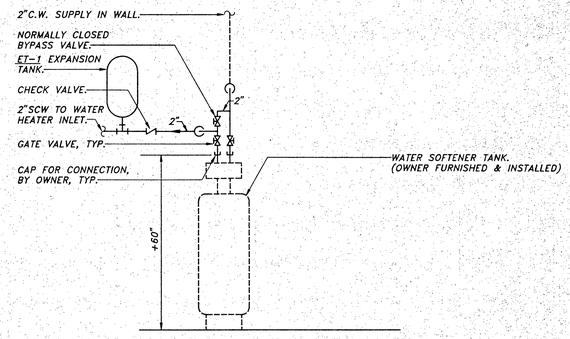
OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION

Reviewed by

RECEIVED MAR 8 1993

IDENTIFICATION STAMP Department of General Services Office of the State Architect PORTION 1 MAR 11 1993 Structural Safety Section

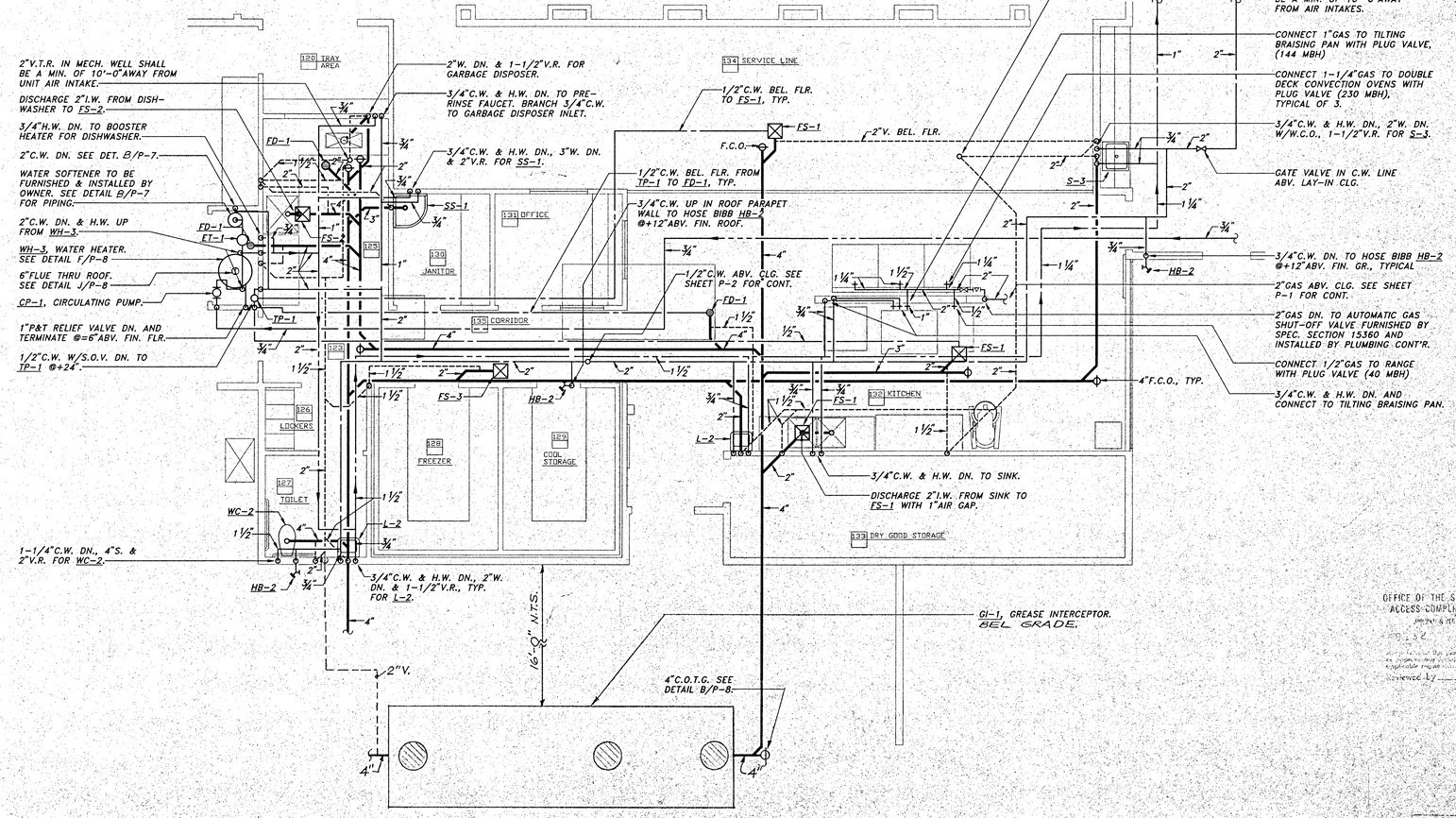
Drawn by: DLB
Checked by: GLN
Job No: 1223
Sheet: P.6
Sheet of 8
Date:



WATER PIPING SCHEMATIC

SCALE: NONE

B
P-7



DETAILED PLUMBING PLAN – KITCHEN AREA BLDG. "C"

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

A
P-7

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT — KLYNE KLASSEN — C19151 — EXP. 1-31-95 — STATE OF CALIFORNIA

C-8,610 C-10,400

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Written dimensions on these drawings shall have precedence over scaled dimension. Contractors shall verify and be responsible for all dimensions and conditions on the job. This office must be notified of any variations from the dimensions and conditions shown by these drawings prior to commencement of work. Submission of substitute materials and procedures are not to be assumed until approved by the architect in writing.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: DETAILED PLUMBING PLAN KITCHEN AREA BUILDING "C"

REGISTERED PROFESSIONAL ENGINEER — GILBERT L. WYE — No. 26224 — Exp. 6-30-95 — MECHANICAL — STATE OF CALIFORNIA

Lawrence • Wye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1300 E. Bard Street, Suite 12 — Ventura, CA 93001 — (805) 654-0161 — FAX (805) 654-0277

Date	Issued For:

Date	Revisions:
6-24-93	ADD #2

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
DSA 102 MAR 1 '93
Reviewed by

Drawn by: DLB
Checked by: DAG
Job no: 1283

Sheet: P.7
Sheet of: 8
Date:

DSA 8/93

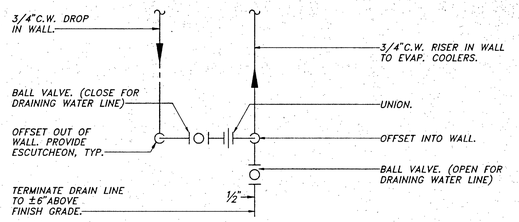
OFFICE OF THE STATE ARCHITECT
Department of General Services
Office of the State Architect
FORTION 1
MAR 1 1993
Structural Safety Section

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

MARK	FIXTURE	CONNECTION SIZES S OR W	V.	C.W.	H.W.	DESCRIPTION
HB-2	HOSE BIBB	–	–	3/4"	–	WOODFORD #24P ROUGH BRONZE WALL HOSE VALVE WITH LOCKSHIELD, VACUUM BREAKER, AND LOOSE TEE KEY HANDLE.
FD-1	FLOOR DRAIN	2"	1-1/2"	–	–	JAY R. SMITH #2005-B, W/5" SQUARE NICKEL BRONZE STRAINER. PROVIDE TRAP PRIMER CONNECTION WHEN APPLICABLE.
FS-1	FLOOR SINK	–	–	–	–	JAY R. SMITH #3140-12C, 12" X 12" WITH FLASHING CLAMP AND WITH NICKEL BRONZE RIM AND HALF GRATE. SEE PLAN FOR SIZE. INSTALL FLUSH WITH FINISHED FLOOR. PROVIDE TRAP PRIMER CONNECTION WHEN APPLICABLE.
FS-2	FLOOR SINK	4"	2"	–	–	JAY R. SMITH #3200-12C, 16-1/2" X 16-1/2" X 12" DEEP WITH FLASHING CLAMP AND WITH NICKEL BRONZE RIM AND HALF GRATE. INSTALL FLUSH WITH FINISHED FLOOR.
FS-3	FLOOR SINK	–	–	–	–	JAY R. SMITH #3100-12C, 8-1/2" X 8-1/2" WITH FLASHING CLAMP AND WITH NICKEL BRONZE RIM AND HALF GRATE. SEE PLAN FOR SIZE. INSTALL FLUSH WITH FINISHED FLOOR. PROVIDE TRAP PRIMER CONNECTION WHEN APPLICABLE.
SA-1	SHOCK ABSORBER	–	–	1"	–	JAY R. SMITH #5030 ALL STAINLESS STEEL CONSTRUCTION, P.D.I. SYMBOL "D".
SA-2	SHOCK ABSORBER	–	–	1"	–	JAY R. SMITH #5020 ALL STAINLESS STEEL CONSTRUCTION, P.D.I. SYMBOL "C".
SA-3	SHOCK ABSORBER	–	–	1"	–	JAY R. SMITH #5010 ALL STAINLESS STEEL CONSTRUCTION, P.D.I. SYMBOL "B".
GI-1	GREASE INTERCEPTOR	4"	2"	–	–	M.C. NOTTINGHAM #B-4500, 4500 GALLON CAPACITY PRECAST REINFORCED CONCRETE TANK, WITH THREE GAS-TIGHT MANHOLE COVERS AND FRAMES EXTENDED TO GRADE
CP-1	CIRCULATING PUMP	–	–	–	3/4"	GRUNDFOS #UP-25-64-SF IN-LINE CENTRIFUGAL PUMP WITH 3/4" FLANGED CONNECTIONS. 1/12 HP.,120V/1 PHASE. 5 GPM AT 16 FT. HEAD.
WH-1	WATER HEATER	–	–	3/4"	3/4"	AMERICAN APPLIANCE #EFR-15LS, 15 GALLON STORAGE CAPACITY, W/ONE 1500 WATT, 120V/1 PHASE ELEMENT, AND 3/4" P & T RELIEF VALVE. OPERATING WEIGHT = 195 LBS.
WH-2	WATER HEATER	–	–	3/4"	3/4"	AMERICAN APPLIANCE #MEFU, 30 GALLON STORAGE CAPACITY, 23 GPH RECOVERY RATE AT 80 DEG. F. TEMP. RISE, WITH TWO 4500 WATT, NON-SIMULTANEOUS 240V/1 PHASE ELEMENTS, AND 3/4" P & T RELIEF VALVE. OPERATING WEIGHT= 365 LBS.
WH-3	WATER HEATER	–	6"	1-1/2"	1-1/2"	AMERICAN APPLIANCE #DISD 250--100-1, 100 GALLON STORAGE CAPACITY, 250,000 BTUH INPUT, 281 GPH RECOVERY RATE AT 80 DEG. F. TEMP. RISE AND 1" P & T RELIEF VALVE. UNIT REQUIRES 120V/1 PHASE FOR INTERMITTENT IGNITION DEVICE. OPERATING WEIGHT = 1,483 LBS.

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
—HPG—	HIGH PRESSURE GAS	HPG
—LPG—	LIQUIDFIED PETROLEUM GAS	LPG
—C—	CONDENSATE DRAIN	CD
———	EXISTING PIPING	
—⊕—	FLOOR CLEANOUT	FCO
—⊕—	CLEANOUT TO GRADE	COTG
—⊣—	WALL CLEANOUT	WCO
—○—	PIPING TURN UP	
—⊖—	PIPING TURN DOWN	
—×—	POINT OF CONNECTION	POC
(N)	NEW	
(E)	EXISTING	
	ABOVE CEILING	ABV CLG
	BELOW FLOOR	BEL FLR
	BELOW GRADE	BEL GR
	TYPICAL	TYP
	CONTINUATION	CONT
—⊗—	SHUT-OFF VALVE IN BOX	SOV
—⋈—	SHUT-OFF VALVE	SOV
—⊣\—	CHECK VALVE	
—⊣▽⊢—	PLUG VALVE	
—F—	FIRE PROTECTION LINE	



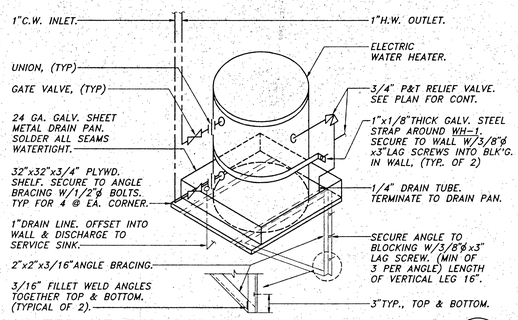
DRAIN DOWN DETAIL

K P-8

SCALE: NONE

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

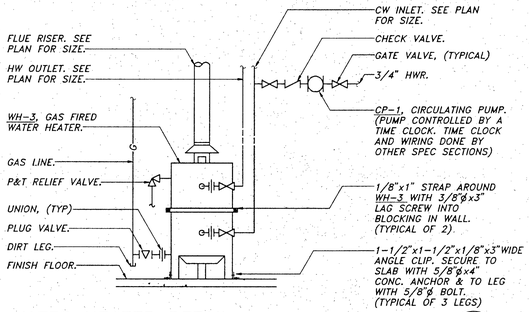
MARK	FIXTURE	CONNECTION SIZES S OR W	V.	C.W.	H.W.	DESCRIPTION
WC-1	WATER CLOSET	4"	2"	1/2"	–	AMERICAN STANDARD ELONGATED "MADERA AQUAMETER 1.5 GPF" #2234.015 WITH SLOAN "ROYAL" #111 FLUSH VALVE AND OLSONITE #95CC/SS OPEN-FRONT SEAT.
WC-2	WATER CLOSET	4"	2"	1"	–	AMERICAN STANDARD ELONGATED "ELDERLY NEWCADET AQUAMETER 1.5 GPF" #3043.102 W/SLOAN "ROYAL" #111 FLUSH VALVE & OLSONITE #95CC/SS OPEN-FRONT SEAT.
WC-3	WATER CLOSET	4"	2"	1"	–	AMERICAN STANDARD "BABY DEVORO 1.6 FV" #2282.010 WITH. SLOAN "ROYAL" #111 FLUSH VALVE AND #126-CC OPEN-FRONT SEAT LESS COVER.
U-1	URINAL	2"	1-1/2"	1"	–	AMERICAN STANDARD "ALLBROOK" #6540.017 W/SLOAN "ROYAL"#180 FLUSH VALVE, & JAY R. SMITH#644-Z SUPPORT CARRIER W/FACTORY INSTALLED URINAL STRAINER.
U-2	URINAL	2"	1-1/2"	3/4"	–	AMERICAN STANDARD "WASHBROOK 1.0 GPF" #6501.010 W/#047068-0070A INTEGRAL STRAINER, SLOAN "ROYAL" #186-1 FLUSH VALVE AND JAY R. SMITH #637-Z SUPPORT CARRIER.
L-1	LAVATORY	2"	1-1/2"	1/2"	–	AMERICAN STANDARD "NEW LUCERNE" #0356.421, 20" X 18" WITH #2411.015 GRID DRAIN, CHICAGO #333-665-VPC SLOW-CLOSING FAUCET INDEXED "C" AND JAY R. SMITH #700-Z SUPPORT CARRIER. ADJUST FAUCET TO STAY OPEN FOR 10 SECONDS.
L-2	LAVATORY	2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD "NEW LUCERNE" #0355.012, 20" X 18" WITH #2411.015 GRID DRAIN, MOEN #8470 SINGLE LEVER FAUCET, AND JAY R. SMITH #700-Z SUPPORT CARRIER.
WS-1	WASH SINK	2"	1-1/2"	1/2"	1/2"	KOHLER "BROCKWAY" #K-3200, 5' LONG ENAMELED CAST IRON WITH #K-8820 GRID DRAIN, TWO #K-8880 SOAP DISHES, THREE #K-8892 FAUCETS, AND JAY R. SMITH #850-Z SUPPORT CARRIER.
S-1	CLASSROOM SINK	2"	1-1/2"	1/2"	–	JUST #HCRA-1931-A-GR, 19"x31"x 6-1/2"DEEP STAINLESS STEEL WITH CHICAGO#350-VPC PANTRY FAUCET INDEXED "C" AT LEFT REAR, CHICAGO #748-665-VPW DRINKING BUBBLER AT RIGHT FRONT, AND SINK STRAINER. FAUCET HANDLE & BUBBLER W/ LEVER.
S-2	SINK	2"	1-1/2"	1/2"	1/2"	JUST #SL-1921-A-GR, 19" X 21" STAINLESS STEEL WITH #J35GS BASKET STRAINER, AND CHICAGO #786 SWIVEL GOOSENECK FAUCET WITH #E3 AERATOR AND 4" WRIST BLADE HANDLES.
S-3	SINK	2"	1-1/2"	1/2"	1/2"	JUST #SL-1921-A-GR, 19" X 21" STAINLESS STEEL WITH #J35GS BASKET STRAINER AND CHICAGO #527 FAUCET.
S-4	SINK	2"	1-1/2"	1/2"	1/2"	JUST #CRB-1921-A-GR, 19"x21" STAINLESS STEEL W/#J35GS STRAINER, CHICAGO #527 FAUCET AND HAWS #5505 BUBBLER WITH LEVER HANDLE & RIGHT LEDGE.
SS-1	SERVICE SINK	3"	2"	1/2"	1/2"	AMERICAN STANDARD "FLORWELL" #7740.020, 28" X 28" ENAMELED CAST IRON WITH #7745.011 RIM GUARD, #8344.111 WALL MOUNT FAUCET WITH VACUUM BREAKER, STOPS, AND WALL BRACE, #7721.038 DRAIN, AND WITH STERN-WILLIAMS #T35 36" HOSE WITH WALL BRACKET.
EDF-1	ELECTRIC DRINKING FOUNTAIN	2"	1-1/2"	1/2"	–	HAWS #HWBFB-S WALL-MOUNT FOR WHEELCHAIR ACCESS WITH STAINLESS STEEL CABINET AND JAY R. SMITH #800-Z SUPPORT CARRIER. 1/5 HP., 120V/1 PHASE.
DF-2	DRINKING FOUNTAIN	2"	1-1/2"	1/2"	–	HAWS #1118BP, WALL-MOUNT STAINLESS STEEL FOR WHEELCHAIR ACCESS, PUSH BAR OPERATION,BACKPLATE,AND JAY R. SMITH #824-Z SUPPORT CARRIER.
DF-3	DRINKING FOUNTAIN	2"	1-1/2"	1/2"	–	HAWS #1441 WALL-MOUNT FOR WHEELCHAIR ACCESS WITH TWO VANDAL PROOF BUBBLERS AND PUSH-BUTTON VALVES, VANDAL RESISTANT BOTTOM PLATE, AND JAY R. SMITH #824-Z SUPPORT CARRIER.
HB-1	HOSE BIBB	–	–	3/4"	–	WOODFORD #24P POLISHED CHROME WALL HOSE VALVE WITH LOCKSHIELD, VACUUM BREAKER, AND REMOVABLE LOOSE TEE KEY HANDLE.
TP-1	TRAP PRIMER	–	–	1/2"	–	P.P.P. #P-1 VALVE W/DISTRIBUTION UNITS AS REQUIRED FOR UP TO (4) DRAINS.
ET-1	EXPANSION TANK	–	–	–	–	AMTROL #ST-5, 5 GALLON ASME RATED WITH STAINLESS STEEL CONNECTIONS & FDA APPROVED BLADDER FOR POTABLE WATER USE.



WATER HEATER DETAIL

E P-8

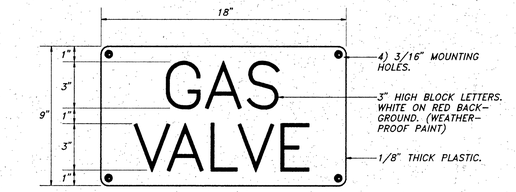
SCALE: NONE



WATER HEATER DETAIL

F P-8

SCALE: NONE

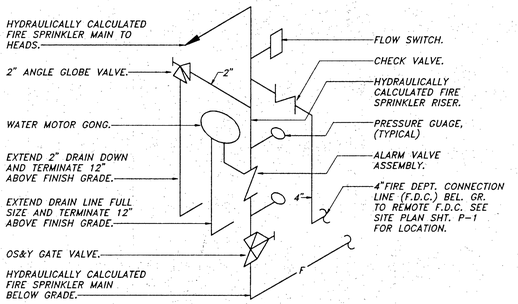


NOTE:
SIGN TO BE CONSPICUOUSLY LOCATED ABOVE BUILDING GAS SHUT-OFF VALVE AS INDICATED ON FLOOR PLAN.

GAS VALVE SIGN DETAIL

G P-8

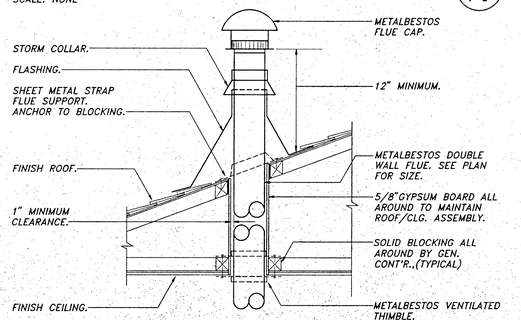
SCALE: NONE



FIRE SPRINKLER RISER DETAIL

H P-8

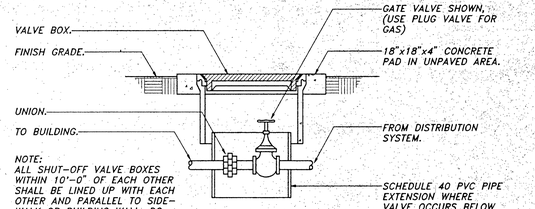
SCALE: NONE



FLUE THRU ROOF DETAIL

J P-8

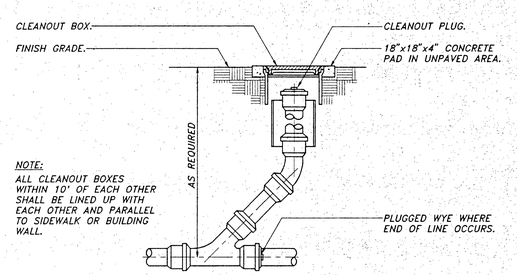
SCALE: NONE



SHUT-OFF VALVE IN BOX DETAIL

A P-8

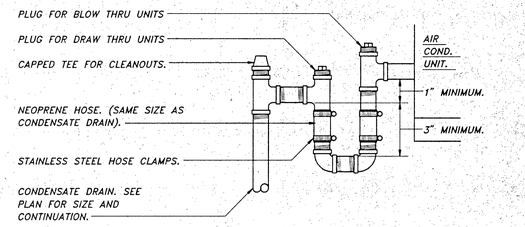
SCALE: NONE



CLEANOUT TO GRADE DETAIL

B P-8

SCALE: NONE



CONDENSATE DRAIN CONNECTION DETAIL

C P-8

SCALE: NONE

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C-8,610 C-10,401

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Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors shall verify and be responsible for all dimensions and conditions on the job site. This office must be notified of any variations from the dimensions and conditions shown by these drawings. All errors and omissions must be reported to the architect immediately and before proceeding with fabrication.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: PLUMBING

GILBERT L. NYE
M-022224
EXPIRES 12-31-24
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
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Date:	Issued For:

Date:	Revisions:
6-24-93	ADD #2

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
REVIEWED FOR COMPLIANCE
DATE: MAY 1 93
REVIEWED BY:

Drawn by: DLB
Checked by: DAG
Job no: 1223
Sheet: P.8
Sheet of: 8
Date:

Department of General Services
Office of the State Architect
APPROVED
MAR 11 1993
Structural Safety Section

AIR CONDITIONING LEGEND		
SYMBOL	ITEM	ABBR
	ROUND DUCT	—
	SHEET METAL DUCT	—
	DUCT WITH ACOUSTIC LINING	—
	SUPPLY AIR DUCT DROP	—
	RETURN AIR DUCT DROP	—
	EXHAUST AIR DUCT DROP	—
	SUPPLY AIR DUCT RISE	—
	RETURN AIR DUCT RISE	—
	EXHAUST AIR DUCT RISE	—
	TURNING VANES	TV
	EXTRACTOR	—
	VOLUME CONTROL DAMPER WITH LOCKING QUADRANT	VCD
-OR-	FIRE DAMPER WITH ACCESS PANEL	FD
CFM	CUBIC FEET OF AIR PER MINUTE	CFM
T	THERMOSTAT @ +4'-0"	T'STAT
	DIRECTION OF FLOW	—
	SUPPLY AIR	SA
	RETURN AIR	RA
	EXHAUST AIR	EA
	OUTSIDE AIR	OSA
	PIPE OR DUCT TURN DOWN	—
	PIPE OR DUCT TURN UP	—
	BYPASS TIMER	BPT
	POINT OF CONNECTION	POC
	EXISTING (DESIGNATED)	(E)



DUCT PENETRATION THRU ROOF DETAIL

A / M-1

SCALE: NONE

GENERAL PROJECT NOTE – COORDINATION OF WORK

Layout of materials, equipment and systems is generally diagramatic unless specifically dimensioned. Some work may be shown offset for clarity. 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 interferences with each other, or with structural, electrical, architectural or other elements. 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.

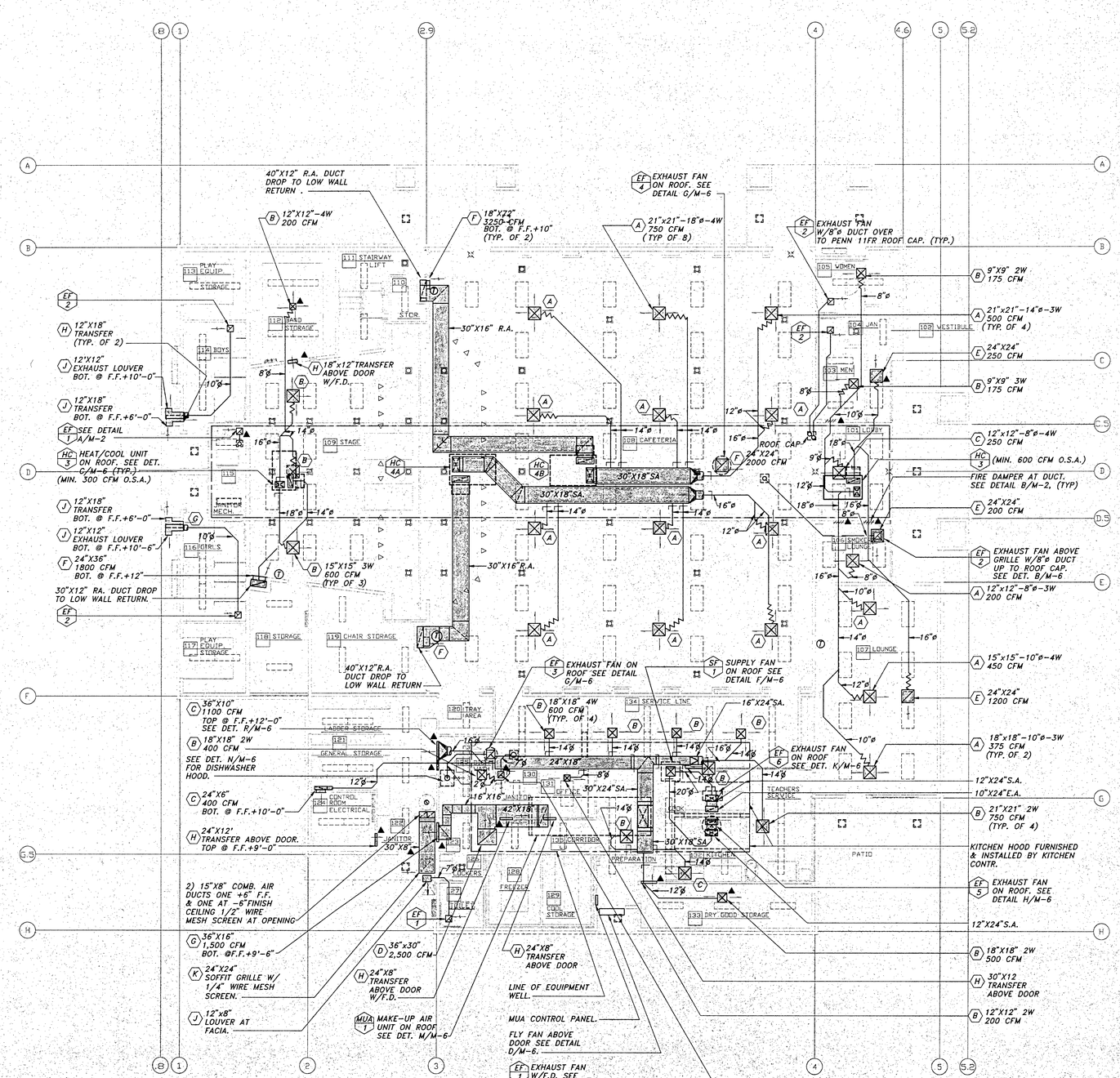
NOTE: ALL ROOF PENETRATIONS IN THIS BUILDING REQUIRE A DUCT SHAFT. SEE DETAIL A/M-1.

All mechanical and electrical equipment shall be braced or anchored to resist a horizontal force acting in any direction using the following criteria:

Fixed Equipment on GRADE 20% OF Operating Weight
Fixed Equipment on Structure 30% of Operating Weight

For Flexibly Mounted Equipment Use 4x the above values. Simultaneous Vertical Force – Use 1/3x Horizontal Force.

Where anchorage details are not shown on the drawings the field installation shall be subject to the approval of the mechanical engineer and the field representative of the Office of the State Architect.



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LICENSED ARCHITECT PHIL KLASSEN C10401 12-31-21 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT

MESA MARIN ELEMENTARY SCHOOL

BAKERSFIELD, CALIFORNIA

Sheet title:

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REGISTERED PROFESSIONAL ENGINEER GILBERT LEE No 026224 Exp. 6-30-95 MECHANICAL STATE OF CALIFORNIA

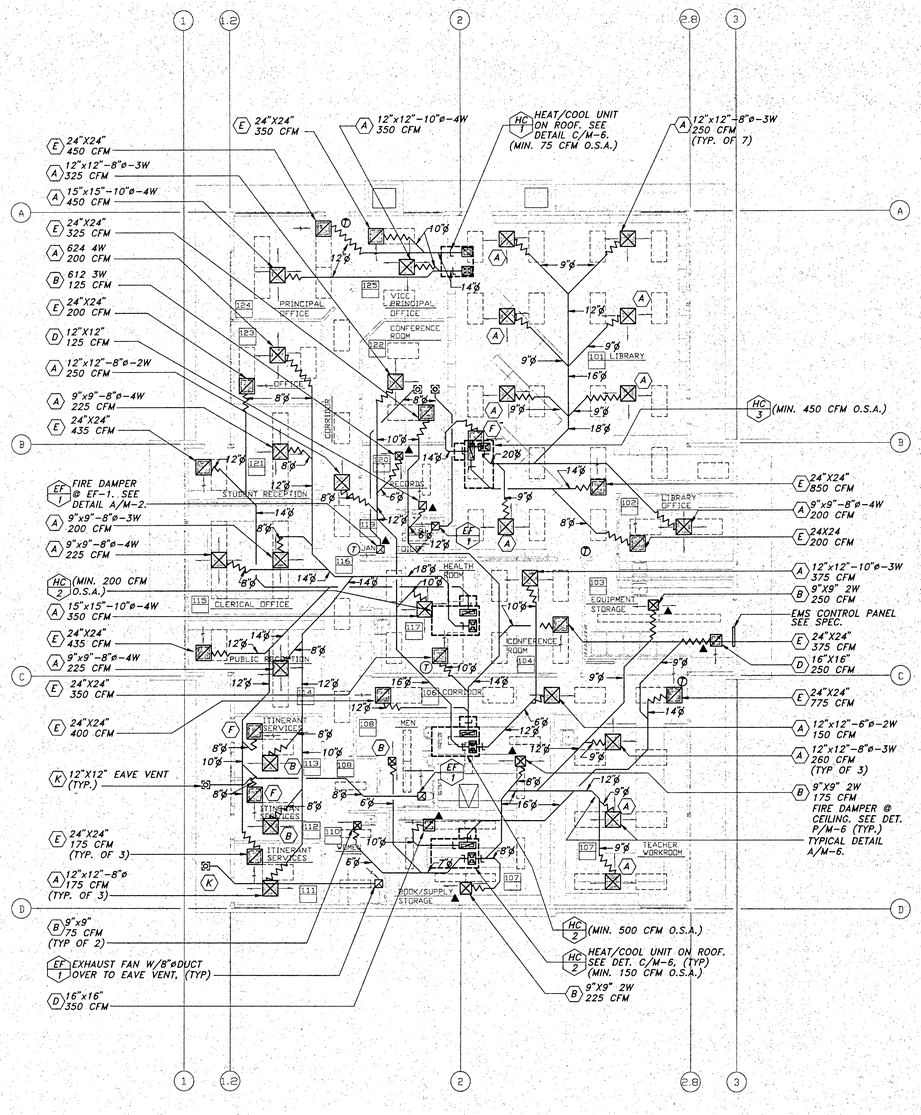
Date:	Issued For:

Date:	Revisions:
6-24-93	ADD #2

IT IS A VIOLATION OF LAW for any person, unless acting under the direction of a licensed architect, engineer or other person exempted under Section 5536 of the Business and Professions Code, to alter any item on this plan. If this plan is altered, the altering person shall affix to the plan his seal or stamp, the notation "altered by" followed by his signature and the date of such alteration, and a specific description of the alteration.

Approved by the Division of the State Architect, Department of General Services
Use of the State Architect
PORTION 1
1993
Structural Safety Section
Reviewed By

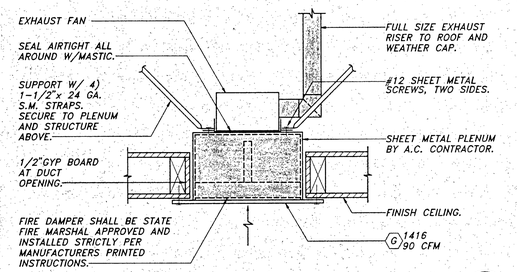
Drawn by: DLB
Checked by: GLB
Job no: 1223
Sheet: M.1
Sheet of: 6
Date:



north

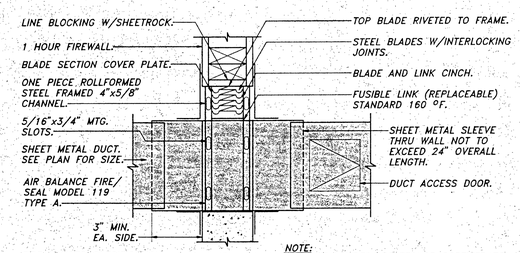
ADMINISTRATION / LIBRARY AIR CONDITIONING PLAN 'A'

1/8" = 1'-0"



CEILING EXHAUST FAN W/FIRE DAMPER DETAIL (A / M-2)

SCALE: NONE



FIRE DAMPER SPECIFICATION:
ALL FIRE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED & INSTALLED STRICTLY PER MANUFACTURERS PRINTED INSTRUCTIONS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.

NOTE:
L FRAME WELDED, BOLTED OR SCREWED TO ALL 4 SIDES OF SLEEVE. L FRAME SHALL BE DESIGNED TO LAP WALL NOT LESS THAN 1". ROUGH OPENING IN MASONRY WALLS & NET OPENING IN FRAME WALLS SHALL EXCEED NET O.D. OF DAMPER ASSEMBLY. DO NOT FASTEN SIDES OR TOP OF L TO WALL OR PARTITION.

FIRE DAMPER DETAIL (B / M-2)

SCALE: NONE

FIRE DAMPER DETAIL FOR REFERENCE ONLY.

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Bakersfield, CA 93301
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LICENSED ARCHITECT LYNE KLASSEN C21639 STATE OF CALIFORNIA

C-8,610 C-10,401

The ideas and designs incorporated herein, as an instrument of service, are the property of the architect and are not to be used in whole or in part for any other project without written authorization of the architect. Visitors, contractors and subcontractors are required to verify all dimensions and conditions of the job and shall notify this office of any discrepancies before proceeding with the construction work. Drawings are not to be scaled. Contractor shall check and verify all plans and existing conditions on the job and shall notify the architect of any discrepancies before proceeding with the work. Written dimensions on these drawings shall have precedence over scaled dimensions. Contractors and subcontractors shall verify and be responsible for all dimensions. Do not scale drawings. Any errors or omissions noted by the contractor must be reported to the architect immediately. Submission or delivery of these plans to any governmental agency shall not be construed as publication in derogation of the reserved rights of the architect. Any changes or modifications to these drawings shall be approved by the architect before proceeding with construction.

BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: ADMINISTRATION / LIBRARY AIR CONDITIONING PLAN

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE M 026224 Exp. 6-30-93 MECHANICAL STATE OF CALIFORNIA

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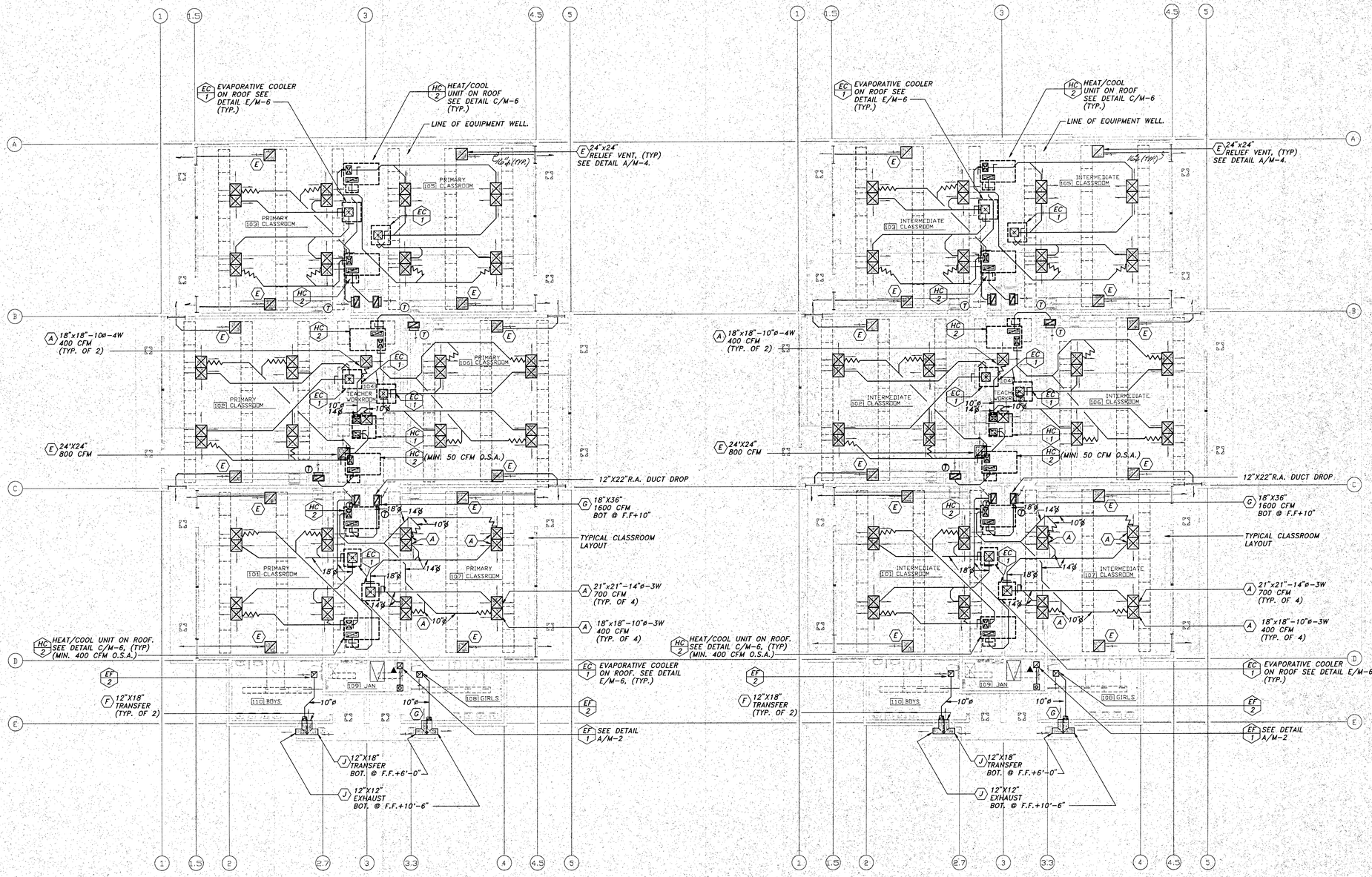
Date:	Issued For:

Date:	Revisions:
6-24-93	ADD #2

JOE WILLIAMSON STAMP: Department of General Services, Office of the State Architect, APPROVED, Structural Safety Section, File No. A59162, By: [illegible]

Drawn by: DLB
Checked by: LHB
Job no: 1823
Sheet: M.2
Sheet of: 6
Date:



PRIMARY CLASSROOM AIR CONDITIONING PLAN 'E'

1/8" = 1'-0"

INTERMEDIATE CLASSROOM AIR CONDITIONING PLAN 'F'

KLASSEN CORPORATION
Architecture
Planning
Construction
2021 Westwind Drive
Bakersfield, CA 93301
(805) 327-0875

LICENSED ARCHITECT LAURIE KLASSEN Date 12-31-24 STATE OF CALIFORNIA

C-8,610 C-10,401

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE M 026224 Exp. 6-30-25 MECHANICAL STATE OF CALIFORNIA

Lawrence • Nye • Becker Associates
CONSULTING MECHANICAL ENGINEERS, INCORPORATED
1331 N. San Joaquin, Suite 20 Fresno, Ca 93721
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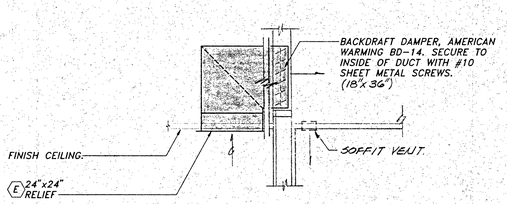
Date:	Issued For:

Date:	Revisions:
6-24-25	ADD #2

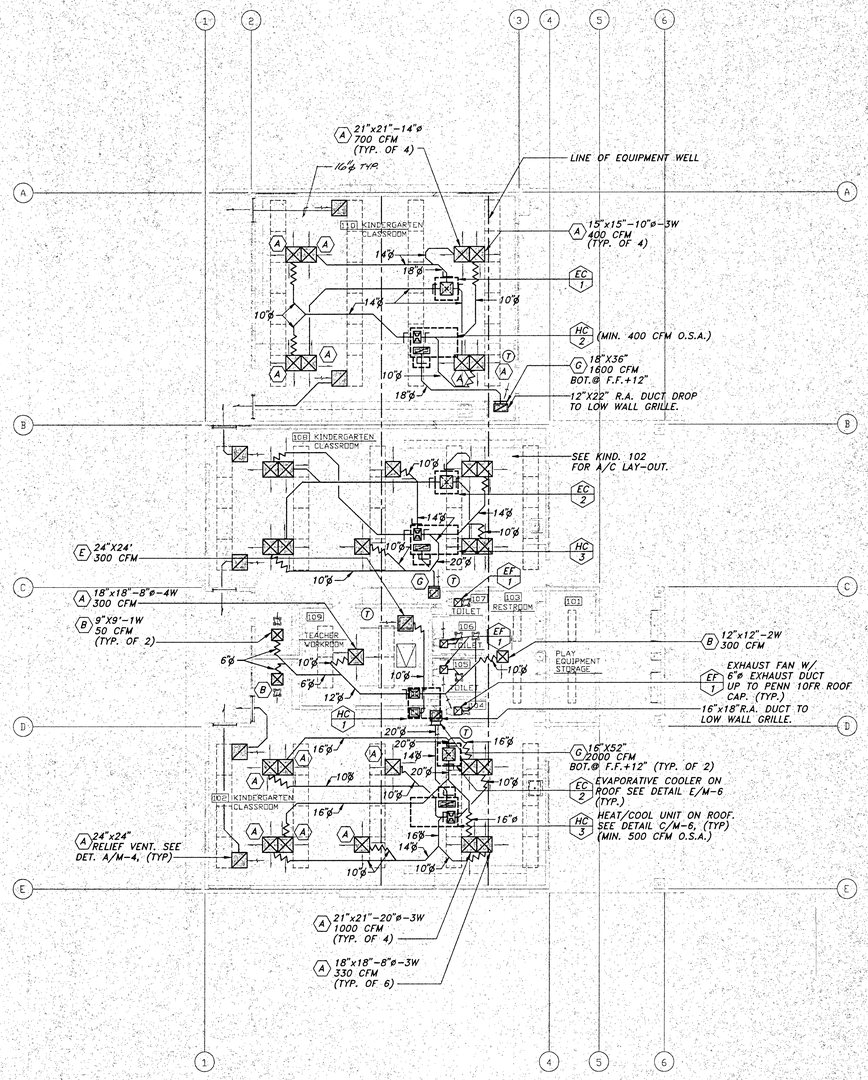
DSA/SS Department of General Services Office of the State Architect
PORTION 1 JUN 11 2025
Structural Safety Section
Approved by

Drawn by: DLB
Checked by: DLB
Job no: 1823
Sheet: M.3
Sheet of 6
Date:



SECTION AT RELIEF VENT DETAIL — A/M-4

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



KINDERGARTEN AIR CONDITIONING PLAN — 'D'

1/8" = 1'-0"

KLASSEN CORPORATION
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Planning
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LICENSED ARCHITECT — LAWRENCE KLASSEN — C-10451 — EXP. 8-31-95 — STATE OF CALIFORNIA

C-8,610 C-10,401

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BAKERSFIELD CITY SCHOOL DISTRICT
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BAKERSFIELD, CALIFORNIA

Sheet title: MECHANICAL

REGISTERED PROFESSIONAL ENGINEER — GILBERT L. NYE — M 026224 — Exp. 6-30-95 — MECHANICAL — STATE OF CALIFORNIA

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Date:	Issued For:

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APPROVED — 0 1993

Drawn by: DLB
Checked by: HP
Job no: 1223
Sheet: M.4
Sheet of: 6
Date:

GRILLE SCHEDULE		
MARK	DUTY	DESCRIPTION
A	CEILING SUPPLY	TUTTLE & BAILEY SRSV LOUVER FACE SQUARE NECK W/ROUNDNECK ADAPTER DIFFUSER FOR STD. LAY-IN CEILING, WITH O.B.D., FLAT BLACK INTERIOR AND NO. 7 FINISH.
B	CEILING SUPPLY	TUTTLE & BAILEY SFSV LOUVER FACE SQUARE NECK DIFFUSER FOR SURFACE MOUNTING WITH O.B.D. FIXED PATTERN, AND NO. 7 FINISH.
C	WALL SUPPLY	TUTTLE & BAILEY GEAV DIFFUSER WITH INTEGRAL CORE, O.B.D. 5 DEG. UPWARD DEFLECTION AND NO. 7 FINISH.
D	CEILING RETURN OR EXHAUST	TUTTLE & BAILEY TXE ALUMINUM EGG CRATE REGISTER WITH 1/2"X1/2" GRID FOR SURFACE MOUNTING, AND NO. 7 FINISH.
E	CEILING RETURN OR EXHAUST	TUTTLE & BAILEY TXO ALUMINUM EGG CRATE REGISTER WITH 1/2"X1/2" GRID FOR STD. LAY-IN CEILING.
F	WALL RETURN (HEAVY DUTY)	TUTTLE & BAILEY T110G HEAVY GAGE STEEL CORE REGISTER O.B.D., AND BAKED OFF-WHITE ENAMEL FINISH.
G	WALL RETURN OR EXHAUST	TUTTLE & BAILEY GERV REGISTER WITH INTEGRAL CORE, (WITHOUT INDENTS), O.B.D., AND NO. 7 FINISH.
H	TRANSFER GRILLE	TUTTLE & BAILEY GER REGISTER WITH INTEGRAL CORE, (WITHOUT INDENTS), AND NO. 7 FINISH.
J	WALL LOUVER	AMERICAN WARMING AND VENTILATING LF-47. FORMER METAL LOUVER. PRIME COAT SUITABLE FOR FINISH PAINTING, WITH BIRD SCREEN.
K	SOFFIT GRILLE	TUTTLE & BAILEY GER WITH INTEGRAL CORE,(WITHOUT INDENTS). AND NO.7 FINISH

SUPPLY FAN SCHEDULE	
DESIGNATION	SF 1
CFM	4,000
ESP (IN WC)	0.625
HP/WATTS	1-1/2 / -
VOLTS/PHASE	208/3
RPM	620
TIP SPEED/SONES	2,418/-
DRIVE	BELT
MOUNTING	ROOF
FILTERS	4/20X25X2
MANUFACTURER	PENN
TYPE	MUFFAN
MODEL NUMBER	MU4015
CONTROL	①
LOCATION	KITCHEN
OPER WT (LBS)	200
ACCESSORIES	-

① INTER-LOCK W/MUA-1.

PACKAGE AIR CONDITIONING UNIT SCHEDULE					
DESIGNATION	HC 1	HC 2	HC 3	HC 4A - HC 4B	
NAMEPLATE AMPS	14.2	10.4	13.68	14.91	
VOLTS/PHASE	208/1	460/3	460/3	460/3	
SEER AT ARI	9.5	9.3	9.3	8.4	
BLOWER	CFM	800	1600	2,000	4,000
	DUCT SP (IN WC)	0.5	0.5	0.6	1.0
	MIN OSA (CFM)	SEE PLAN	SEE PLAN	SEE PLAN	1000
	HP/SPEED	1/3 / MED	3/4 / HI	1.0/-	2 / -
	DRIVE	DIRECT	DIRECT	DIRECT	BELT
	MAX FUSE SIZE	25	20	20	30
COOLING	SENSIBLE (MBH)	18.5	37.9	49.5	95.9
	TOTAL (MBH)	20.9	44.4	54.1	108.1
	EADB/EAWB (°F)	80/64	80/64	80/64	80/64
	AMB AIR (°F)	110	110	110	110
HEATING	INPUT (MBH)	40.0	74.0	74.0	180.0
	OUTPUT (MBH)	31.0	58.46	58.46	142.2
	FUEL	NATURAL GAS	NATURAL GAS	NATURAL GAS	NATURAL GAS
FILTERS	QUANTITY/SIZE	1/20x25x2	2/16x25x2	2/16x25x2	4/20x20x2
	TYPE	FARR 30/30	FARR 30/30	FARR 30/30	FARR 30/30
	PD (IN WC)	0.2	0.3	0.3	0.3
MANUFACTURER		CARRIER	CARRIER	CARRIER	CARRIER
TYPE		GAS ELECTRIC	GAS ELECTRIC	GAS ELECTRIC	GAS ELECTRIC
MODEL NUMBER		48NLTO24300	48DJD0005	48DJD006	48DJD012
LOCATION		ROOF	ROOF	ROOF	ROOF
OPER WT (LBS)		460	540	500	1,100
ACCESSORIES		SEE SPECS	SEE SPECS	SEE SPECS	SEE SPECS

EXHAUST FAN SCHEDULE						
DESIGNATION	EF 1	EF 2	EF 3	EF 4	EF 5	EF 6
CFM	95	200	500	2,000	3,900	3,600
ESP (IN WC)	0.1	0.1	0.30	0.25	1.0	1.0
HP/WATTS	-/50	-/105	1/8/-	1/2/-	1 1/2/-	2/-
VOLTS/PHASE	120/1	120/1	120/1	120/1	208/3	208/3
RPM	1050	1050	1079	1517	785	1,465
TIP SPEED/SONES	-/1.3	-/2.4	3,107/4.3	5,361/11.0	5,035/8.7	6701
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	BELT	BELT
MOUNTING	CEILING	CEILING	ROOF	ROOF	ROOF	ROOF
MANUFACTURER	PENN	PENN	PENN	PENN	PENN	ILG
TYPE	ZEPHYR	ZEPHYR	DOMEX	DOMEX	FUMEX	UTILITY
MODEL NUMBER	Z-6	Z-8	AT10L	AB35	24B	BCL1650
CONTROL	①	①	SEE SPEC.	②	SEE SPEC.	SEE SPEC.
LOCATION	SEE PLANS	SEE PLANS	DISH WASH	MULTI-USE	KITCHEN	KITCHEN
OPER WT (LBS)	20	25	40	50	220	200
ACCESSORIES	-	-	-	ACOUSTIC CURB	HINGED SUBBASE VENTILATED CURB	-

① INTERLOCK WITH EMS.
② INTERLOCK WITH HC-4A & 4B.

EVAPORATIVE COOLER SCHEDULE		
DESIGNATION	EC 1	EC 2
CFM	2800	4,000
ESP (IN WC)	0.4	0.4
FAN HP	1/2	3/4
FAN VOLTS/PHASE	120/1	120/1
PUMP HP	75W	75W
PUMP VOLTS/PHASE	120/1	120/1
RPM	-	-
MANUFACTURER	ARVIN	ARVIN
TYPE	DOWN DISCH	DOWN DISCHARGE
MODEL NUMBER	ED430C	ED6300
LOCATION	ROOF	ROOF
OPER WT (LBS)	325	400
ACCESSORIES	-	FILTERS (4) 20"x25"x2" WASHABLE

MAKE-UP AIR UNIT SCHEDULE	
DESIGNATION	MUA 1
HI/LOW	8,000/5,330
ESP (IN WC)	.6
HP	7 1/2
VOLTS/PHASE	460/3
INPUT (MBH)	540.0
OUTPUT (MBH)	432.0
FUEL	NATURAL GAS
	8
MANUFACTURER	ENERGY LABS INC.
TYPE	HEAT/COOL
MODEL NUMBER	D80A20FC
LOCATION	KITCHEN
OPER WT (LBS)	4,400
ACCESSORIES	①

① 12" CELDEK EVAPORATIVE COOLER MODUAL OUTSIDE AIR/RETURN AIR DAMPERS, FACTORY S.A. & R.A. PLENUM, & 2 SPEED FAN. SEE SPECS FOR ADDITIONAL INFORMATION.

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE M 026224 Exp. 6-30-95 MECHANICAL STATE OF CALIFORNIA

PORTION 1
IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
MAR 11 1993
Structural Safety Section
Checked By

MAR 8 1993

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LICENSED ARCHITECT PAUL KLASSEN C-17401 REN. 8-31-95 STATE OF CALIFORNIA

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: AIR CONDITIONING SCHEDULES

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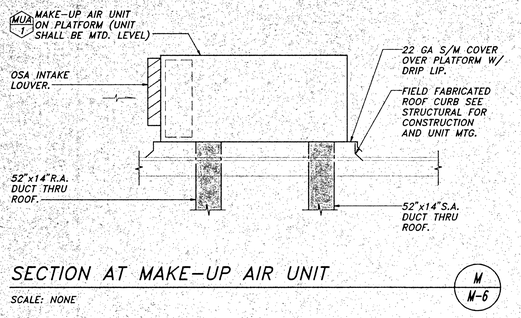
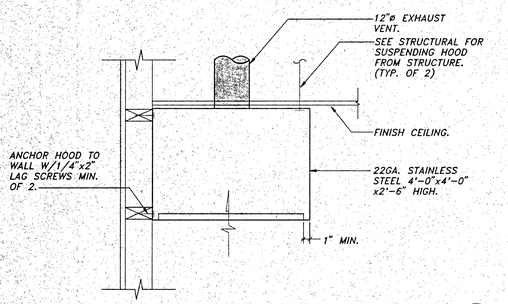


SECTION AT MAKE-UP AIR UNIT

SCALE: NONE

M / M-6



SECTION AT DISHWASHER HOOD

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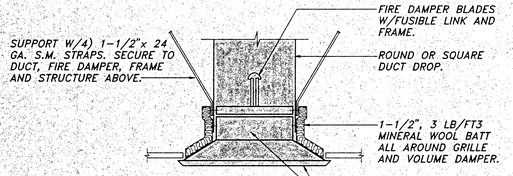
N / M-6



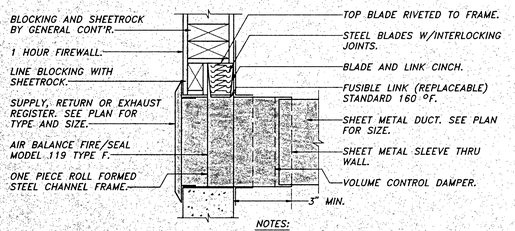
FIRE DAMPER SPECIFICATIONS:

ALL FIRE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED AND INSTALLED STRICTLY PER MANU-FACTURERS PRINTED INSTRUCTIONS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.

CEILING FIRE DAMPER DETAIL

SCALE: NONE

P / M-6



NOTES:

1. GRILLE W/REMOVABLE CORE WHERE ACCESS DOOR IS IMPRACTICAL.
2. L FRAME WELDED, BOLTED OR SCREWED TO ALL 4 SIDES OF SLEEVE. L FRAME SHALL BE DESIGNED TO LAP WALL NOT LESS THAN 1". ROUGH OPENING IN MASONRY WALLS & NET OPENING IN FRAME WALLS SHALL EXCEED NET O.D. OF DAMPER ASSEMBLY. DO NOT FASTEN SIDES OR TOP OF L TO WALL OR PARTITION.

FIRE DAMPER SPECIFICATION:

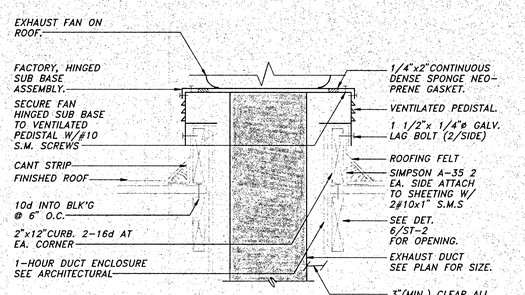
ALL FIRE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED & INSTALLED STRICTLY PER MANUFACTURERS PRINTED INSTRUCTIONS. MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.

FIRE DAMPER DETAIL

SCALE: NONE

FIRE DAMPER DETAIL FOR REFERENCE ONLY.

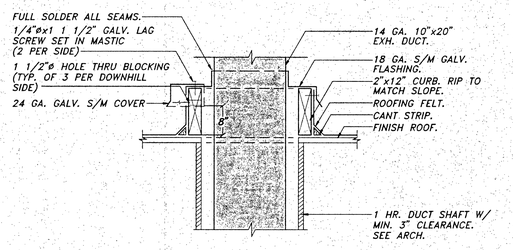
R / M-6



KITCHEN FAN MTG. DETAIL

SCALE: NONE

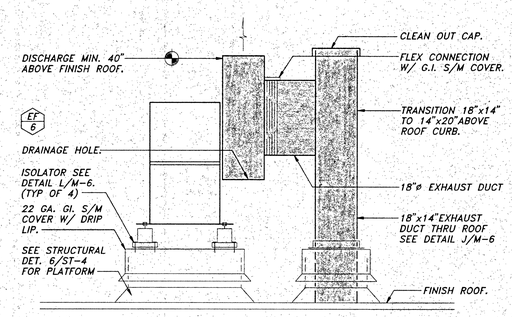
H / M-6



KITCHEN EXHAUST ROOF PENETRATION DETAIL

SCALE: NONE

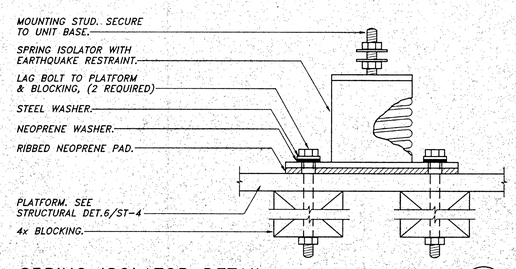
J / M-6



EXHAUST FAN EF-6 MOUNTING

SCALE: NONE

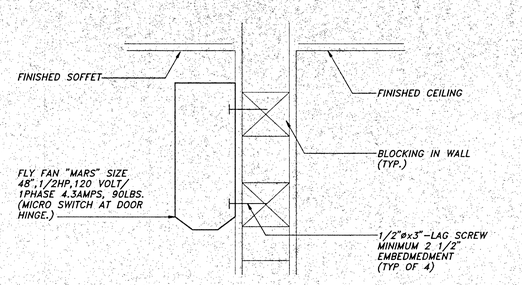
K / M-6



SPRING ISOLATOR DETAIL

SCALE: NONE

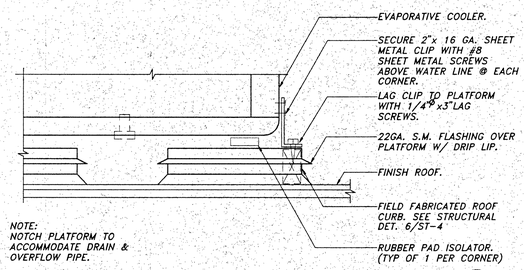
L / M-6



FLY FAN MOUNTING DETAIL

SCALE: NONE

D / M-6

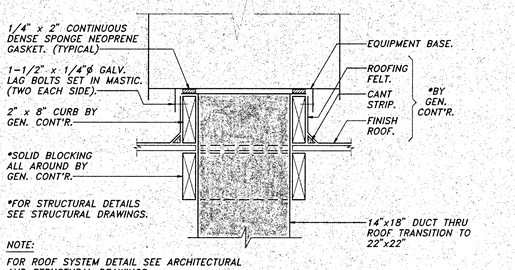


NOTE:
NOTCH PLATFORM TO ACCOMMODATE DRAIN & OVERFLOW PIPE.

EVAPORATIVE COOLER MOUNTING DETAIL

SCALE: NONE

E / M-6

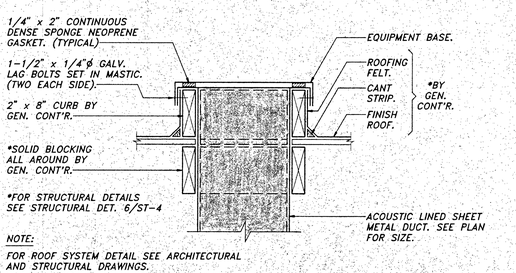


NOTE:
FOR ROOF SYSTEM DETAIL SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

SUPPLY FAN MOUNTING

SCALE: NONE

F / M-6

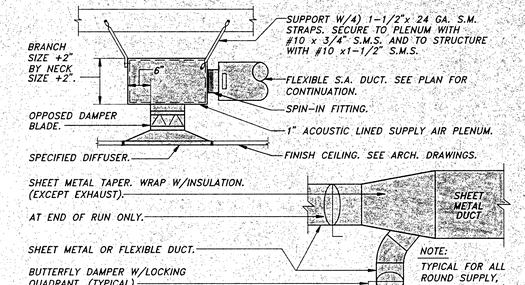


NOTE:
FOR ROOF SYSTEM DETAIL SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

EQUIPMENT SUPPORT DETAIL

SCALE: NONE

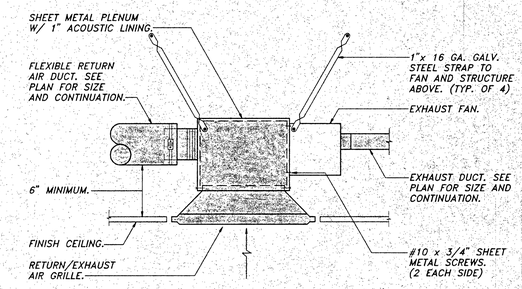
G / M-6



TYPICAL S.A. DEVICE-BRANCH DUCT DETAIL

SCALE: NONE

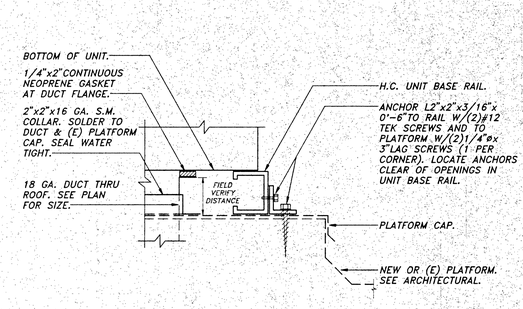
A / M-6



RETURN/EXHAUST AIR PLENUM DETAIL

SCALE: NONE

B / M-6



H.C. UNIT MOUNTING DETAIL

SCALE: NONE

C / M-6

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LICENSED ARCHITECT PHIL KLASSEN 17551 RENEWAL 08/31/2011

C-8,610 C-10,401

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BAKERSFIELD CITY SCHOOL DISTRICT
MESA MARIN ELEMENTARY SCHOOL
BAKERSFIELD, CALIFORNIA

Sheet title: AIR CONDITIONING DETAILS

REGISTERED PROFESSIONAL ENGINEER GILBERT L. NYE No. 26224 Exp. 6-30-09 MECHANICAL STATE OF CALIFORNIA

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Sheet 10 of 26
Date:

Department of General Services Office of the State Architect
PORTION 1 NOV 11 1993
Structural Safety Section
25516

DSA 8 1993