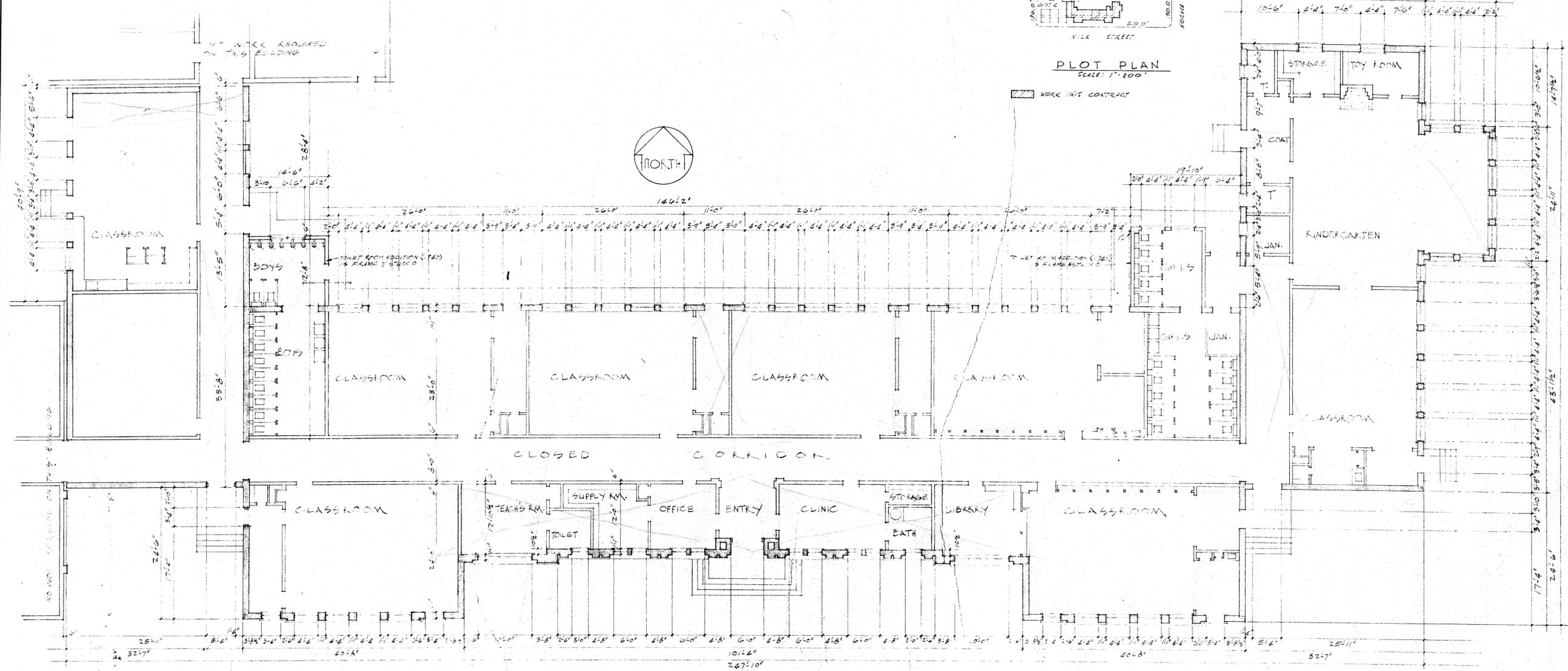


PLOT PLAN  
SCALE: 1" = 100'

WORK THIS CONTRACT

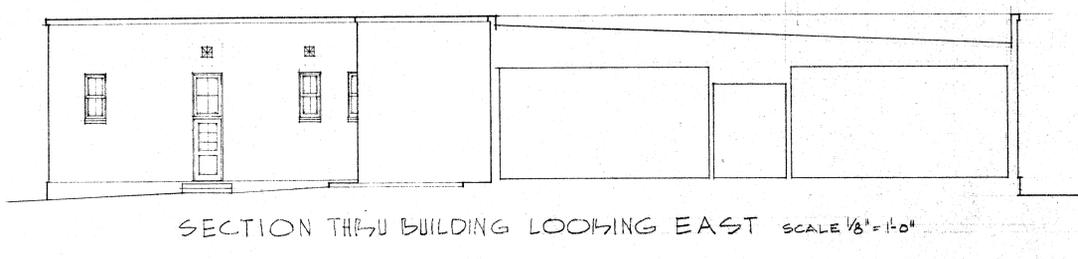
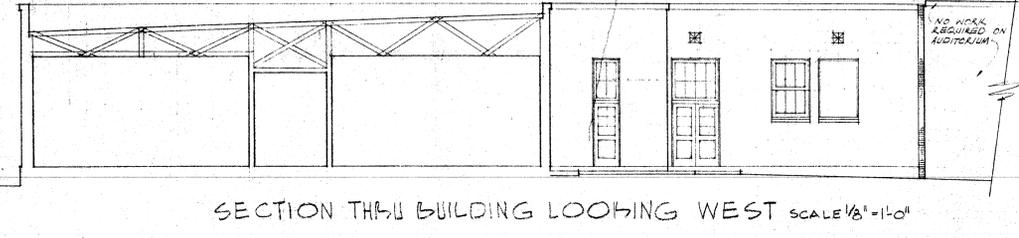
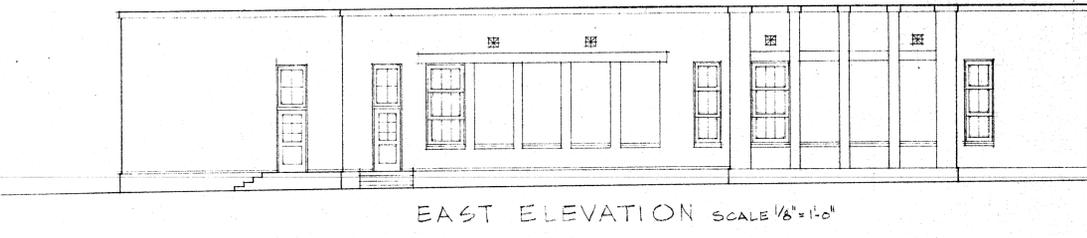
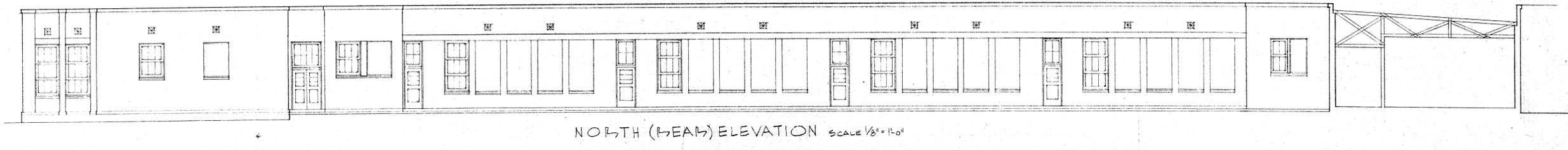
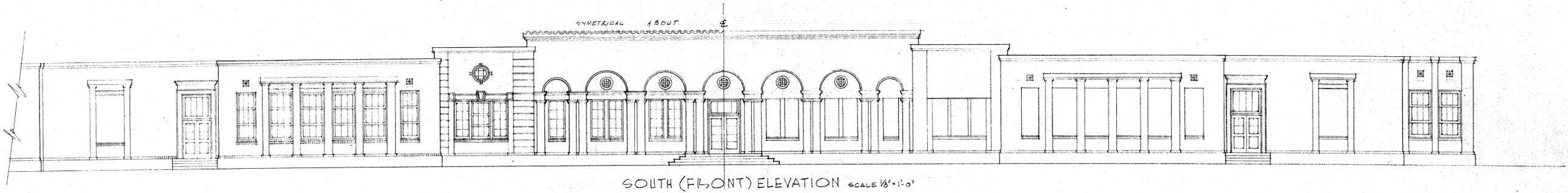


FLOOR PLAN OF PRESENT BUILDING SCALE 1/8" = 1'-0"

NOTE  
THIS SHEET SHOWS ORIGINAL FLOOR PLAN TO BE USED IN CONNECTION WITH SHEET #1 AS AN AID TO SHOW CONSTRUCTION, THE EXTENT OF REPAIRS TO BE MADE.

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.

COUNTY OF KERN OFFICE OF SUPERINTENDENT OF SCHOOLS JESSE D. STOCKTON - SUPERINTENDENT	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	BAKERSFIELD CITY SCHOOLS 1800 R. ST. BAKERSFIELD CALIF. BOARD OF EDUCATION	REHAB. OF HORACE MANN ELEM. SCH. BAKERSFIELD CITY SCHOOL DIST. BAKERSFIELD CALIFORNIA	DRAWN BY 37
APPROVED _____ DATE _____	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPROVED _____ APPLICATION NO. _____ ERNEST L. MCCOY ARCHITECT	APPROVED _____ DATE 5-14-58 ERNEST L. MCCOY ARCHITECT	JOB NO. 52-8 ERNEST L. MCCOY ARCHITECT 129 HAY BLDG. 1612 - 19th ST. BAKERSFIELD CALIFORNIA	OF SHEETS DATE



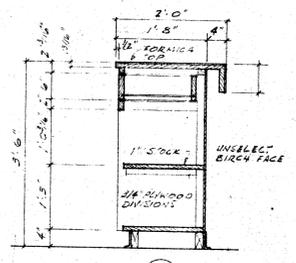
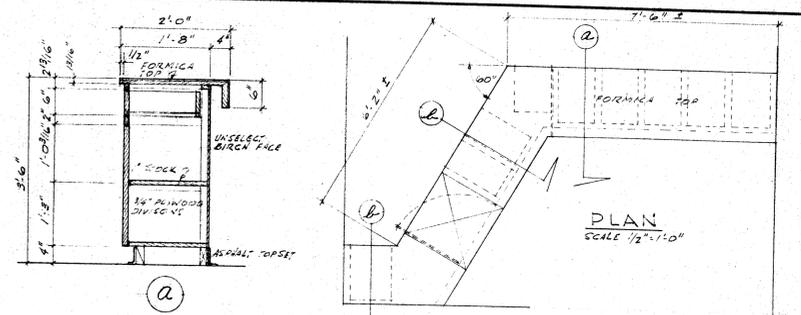
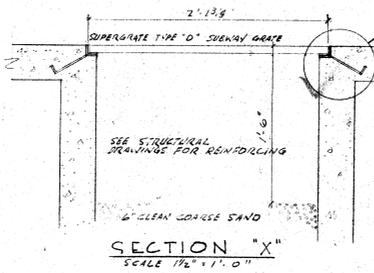
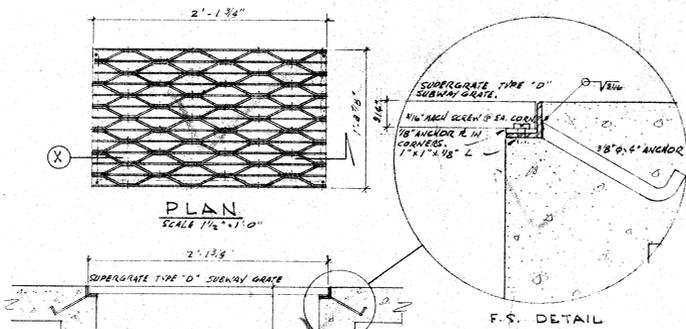
NOTE  
THIS SHEET SHOWING ORIGINAL EXT. ELEV. TO BE  
USED IN CONJUNCTION WITH SHEET #21 AS AN AID  
TO SHOW CONTRACTOR THE EXTENT OF  
REHABILITATION OF BUILDING

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.

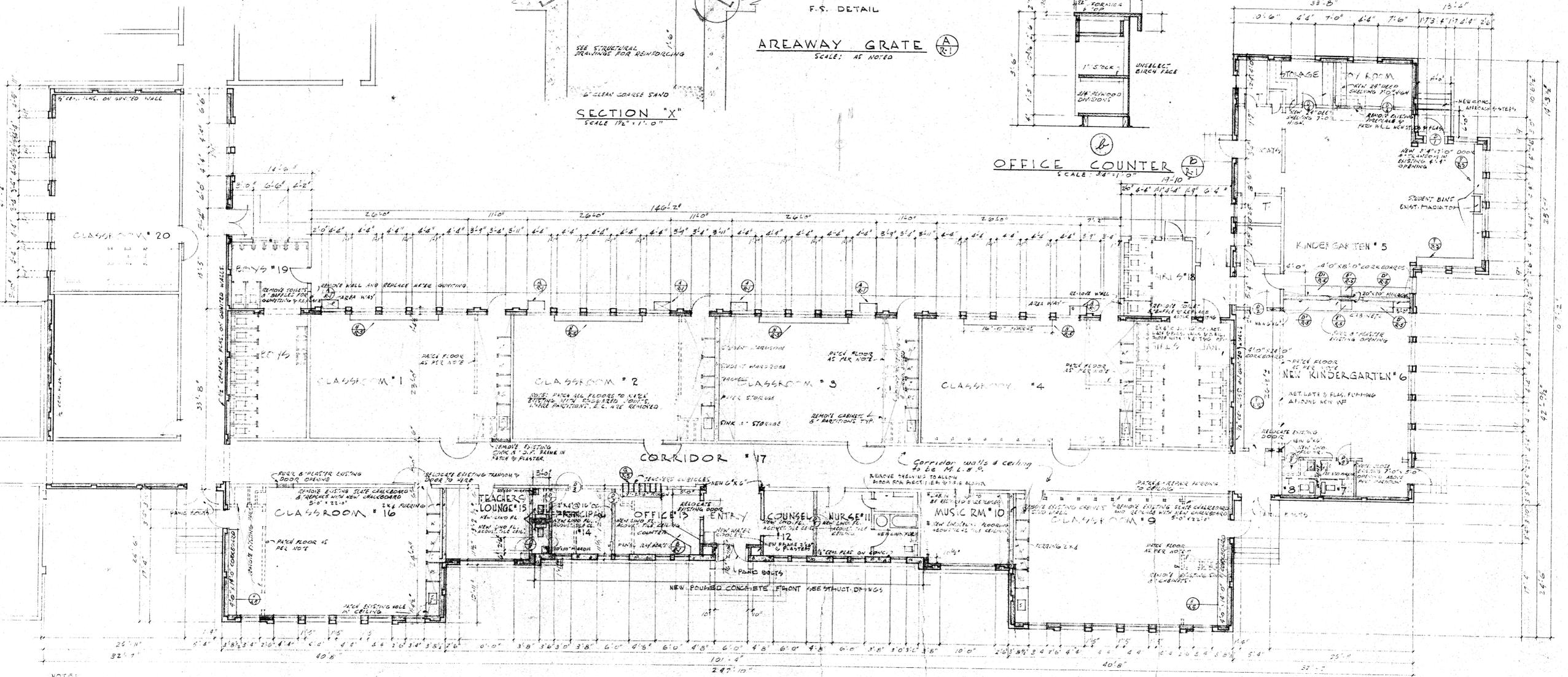
COUNTY OF KERN OFFICE OF SUPERINTENDENT OF SCHOOLS JESSE D. STOCKTON - SUPERINTENDENT	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	BAKERSFIELD CITY SCHOOLS 1600 K ST. BAKERSFIELD CALIF. BOARD OF EDUCATION	REHAB OF HORACE MANN ELEM. SCH. BAKERSFIELD CITY SCHOOL DIST. BAKERSFIELD CALIFORNIA
APPROVED _____ DATE _____	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPROVED _____ APPLICATION NO. _____ JAMES M. O'BRIEN SUPERVISING STRUCTURAL ENGINEER	APPROVED _____ DATE 3-14-58 FRS Williams & Hallinger ARCHITECTS	JOB NO. 82-6 ERNEST L. M'COY - A.I.A. ARCHITECT 129 HAY BLDG. BAKERSFIELD CALIFORNIA

**DOOR SCHEDULE**  
SCALE 1/4" = 1'-0"

3'-0" x 7'-0" 1/4"	3'-0" x 7'-0" 1/4"	2'-6" x 7'-0" 1/4"	1'-6" x 7'-0" 1/4"
UNSELECT BIRCH	UNSELECT BIRCH	UNSELECT BIRCH	UNSELECT BIRCH



**OFFICE COUNTER**  
SCALE 3/8" = 1'-0"



**FLOOR PLAN OF REHABILITATED BUILDING** SCALE 1/8" = 1'-0"

NOTE: THE GENERAL CONTRACTOR AND ALL HIS CONTRACTORS ARE TO VISIT THE BUILDING TO BE FAMILIARIZED THEMSELVES WITH THE TRUE INTENT AND MEANING OF PLANS AND SPECIFICATIONS FOR REHABILITATION AND MODERNIZATION OF THIS SCHOOL. REFER TO STRUCTURAL DRAWINGS FOR CEILING CONSTRUCTION WHICH SHOWS INTENT OF PATCH WORK TO BE DONE.

NOTE: WHERE NEW L.V.D. FLOORING IS CALLED FOR REMOVE EXISTING BASE JOIST & REPLACE WITH NEW ONE ROUND.

**LEGEND**

- EXISTING BRICK
- NEW BRICK
- NEW CONSTRUCTION
- NEW CONCRETE

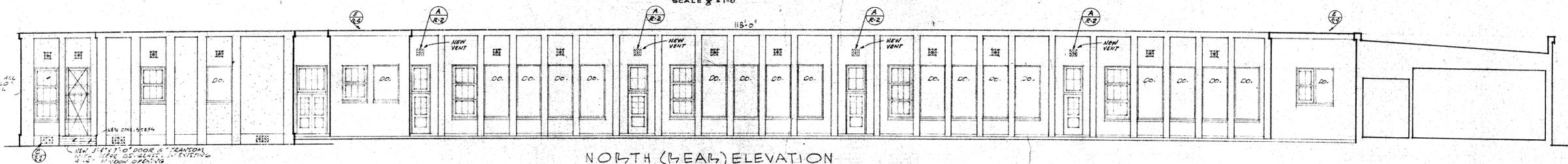
NOTE: ALL EXISTING SKELETON TYPE INTERIOR DOOR LOCKS TO BE REMOVED & REPLACED WITH LOCKS THAT ARE REMOVED FROM THE BUILDING AT ALL TIMES. ALL EXTERIOR DOUBLE DOORS TO BE FIVE PANIC HARDWARE (3 REQUIRED).

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.

<b>COUNTY OF KERN</b> OFFICE OF SUPERINTENDENT OF SCHOOLS JESSE D. STOCKTON - SUPERINTENDENT	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	<b>BAKERSFIELD CITY SCHOOLS</b> 1600 K. ST. BAKERSFIELD, CALIF.	<b>REHAB. OF HORACE MANN ELEM. SCH.</b> BAKERSFIELD CITY SCHOOL DIST. BAKERSFIELD CALIFORNIA	DRAWN BY 
APPROVED DATE	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPLICATION APPROVED 	<b>BOARD OF EDUCATION</b> APPROVED 	JOB NO. 129 <b>ERNEST L. M'COY - A.I.A. - ARCHITECT</b> 129 HAY BLDG. BAKERSFIELD	

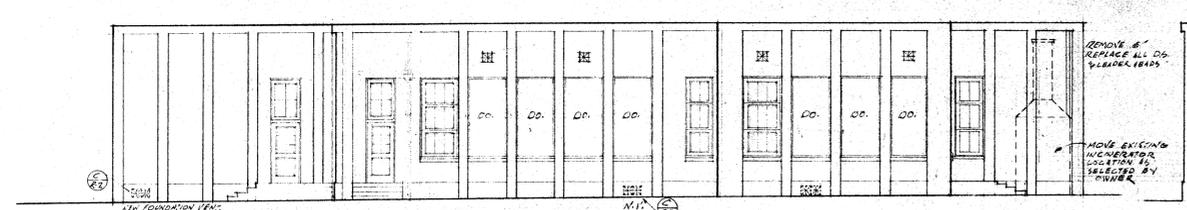


SOUTH (FRONT) ELEVATION  
SCALE 1/8" = 1'-0"

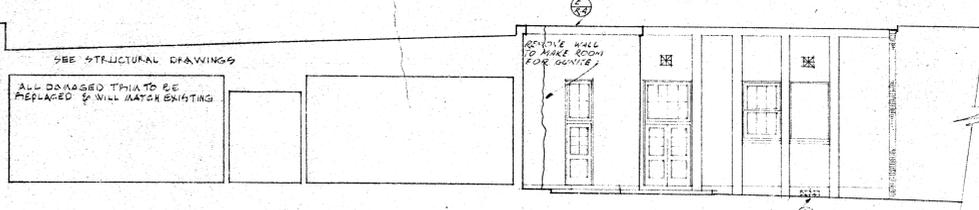


NORTH (REAR) ELEVATION  
SCALE 1/8" = 1'-0"

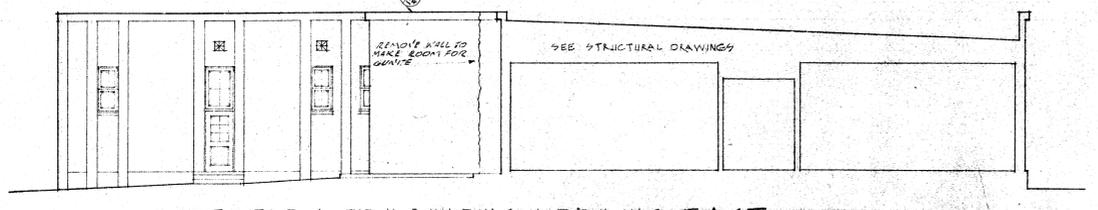
NOTE: REMOVE & REPLACE ALL EXISTING 1" x 4" SPAN WITH 1/2" x 1" x 4" SPAN. SEE SPEC. FOR NORTH ELEV. OF CLASSROOMS. SEE SPEC.



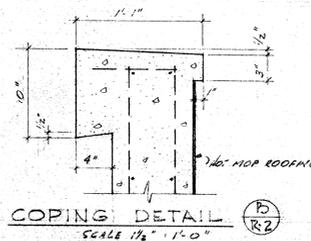
EAST ELEVATION  
SCALE 1/8" = 1'-0"



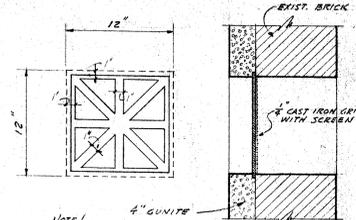
SECTION THRU BUILDING LOOKING WEST  
SCALE 1/8" = 1'-0"



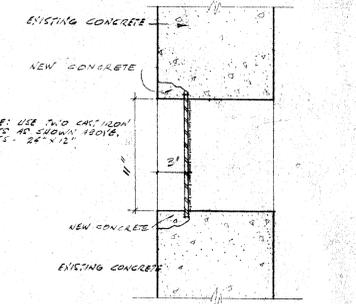
SECTION THRU BUILDING LOOKING EAST  
SCALE 1/8" = 1'-0"



COPING DETAIL  
SCALE 1/2" = 1'-0"



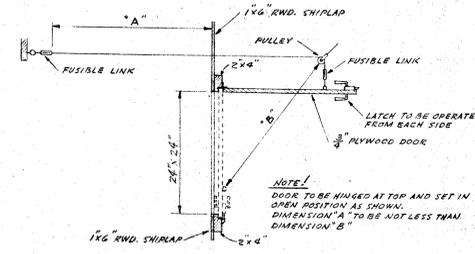
CAST IRON SCREENED VENT  
SCALE 1/2" = 1'-0"



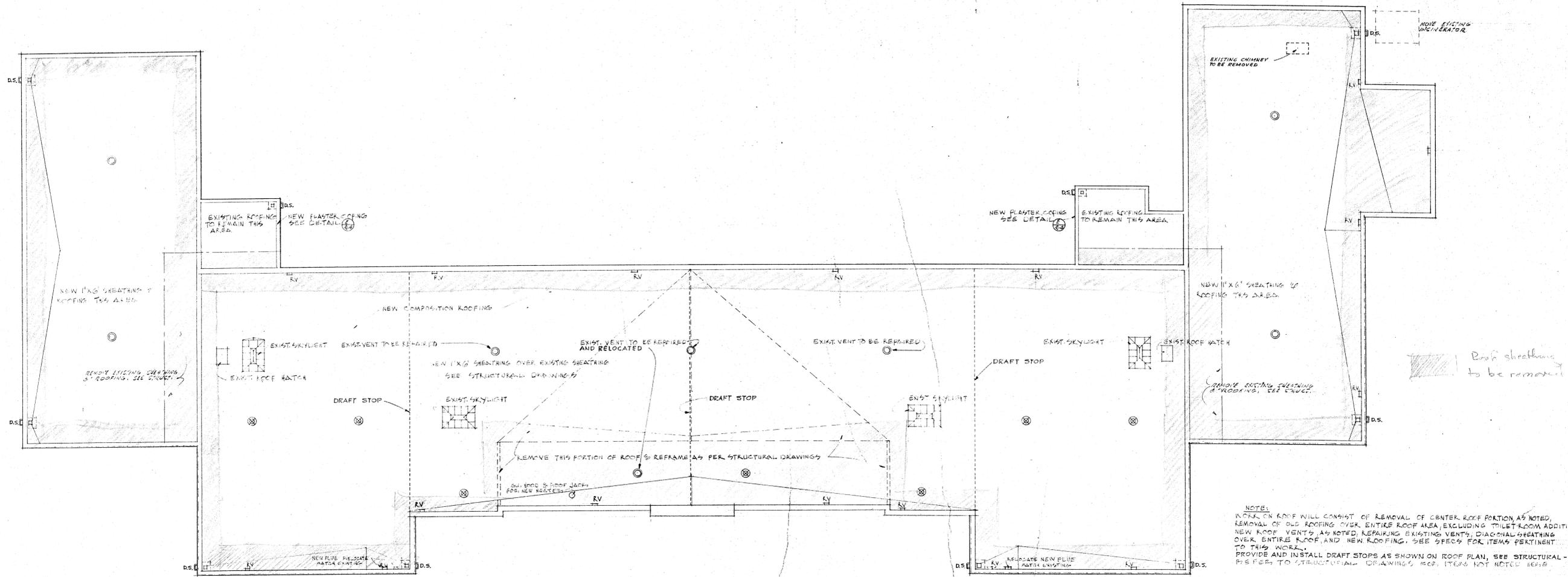
FOUNDATION VENT  
SCALE 1/2" = 1'-0"

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.

COUNTY OF KERN OFFICE OF SUPERINTENDENT OF SCHOOLS JESSE D. STOCKTON - SUPERINTENDENT	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	BAKERSFIELD CITY SCHOOLS 1600 K ST BAKERSFIELD CALIF. BOARD OF EDUCATION	REHAB OF HORACE MANN ELEM. SCH. BAKERSFIELD CITY SCHOOL DIST. BAKERSFIELD CALIFORNIA	DRAWN BY 
APPROVED DATE	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPROVED 	APPROVED 	JOB NO. 53-2 ERNEST L. MCGOY - A-I-A- ARCHITECT 129 HAY BLDG. BAKERSFIELD	DATE 5-14-58 C-332 1612 - 19th ST. CALIFORNIA



DETAIL OF DRAFT STOP DOOR  
SCALE 3/4" = 1'-0"



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

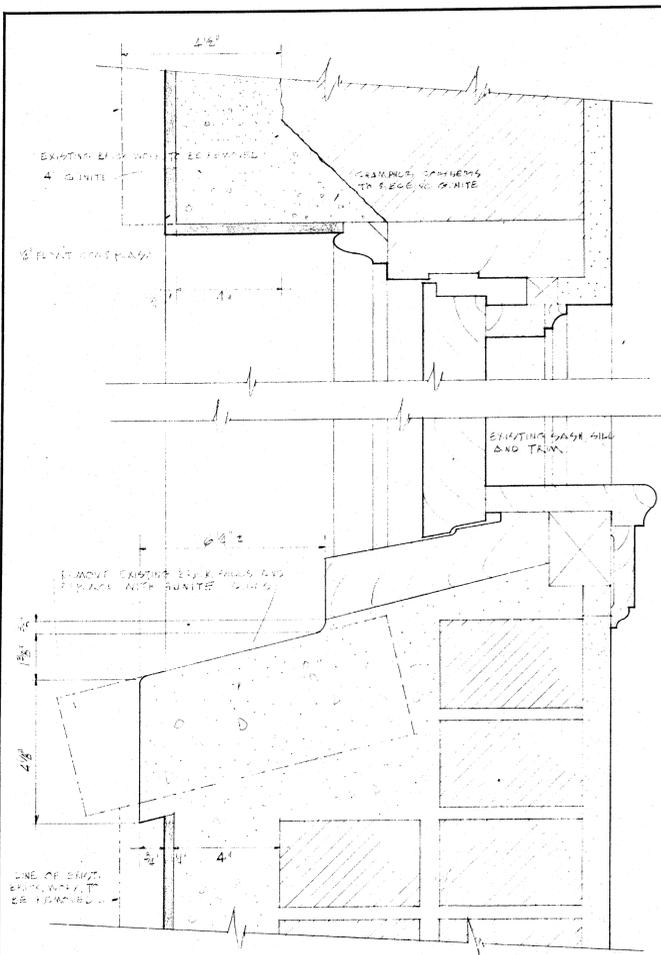
- LEGEND**
- ⊙ EXISTING 16" TURBINE ROTARY TYPE VENTILATORS TO HAVE BEARINGS REPLACED AND PUT IN FIRST CLASS OPERATING CONDITION.
  - ⊗ NEW 16" FORBES SYHONAIRE AS MANUFACTURED BY WESTERN ENGINEERING CO. OR EQUAL.
  - R.V. EXISTING RADIATOR VENTS
  - D.S. DOWNSPOUTS TO BE REMOVED, THEN REPLACED AFTER GUNTING

NOTE:  
WORK ON ROOF WILL CONSIST OF REMOVAL OF CENTER ROOF PORTION AS NOTED, REMOVAL OF OLD ROOFING OVER ENTIRE ROOF AREA, EXCLUDING TOILET ROOM ADDITION. NEW ROOF VENTS AS NOTED, REPAIRING EXISTING VENTS, DIAGONAL SHEATHING OVER ENTIRE ROOF, AND NEW ROOFING. SEE SPECS FOR ITEMS PERTINENT TO THIS WORK.  
PROVIDE AND INSTALL DRAFT STOPS AS SHOWN ON ROOF PLAN, SEE STRUCTURAL DRAWINGS PER TO STRUCTURAL DRAWINGS FOR ITEMS NOT NOTED HERE.

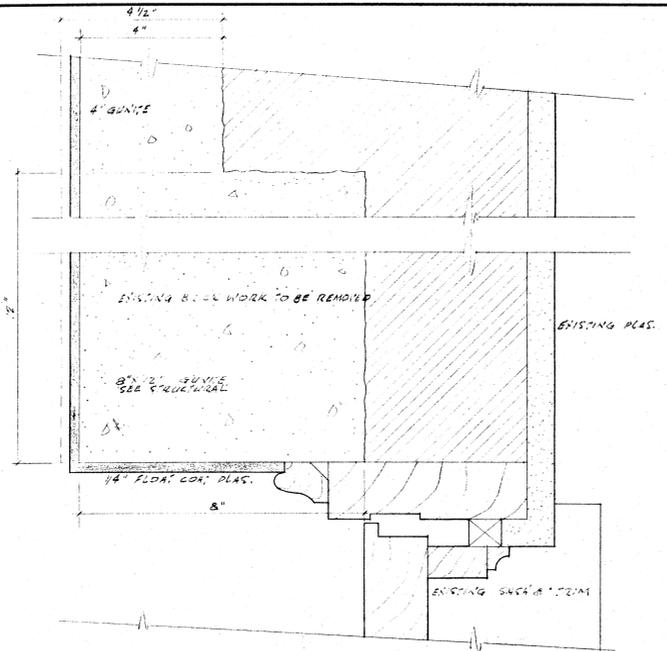
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.

COUNTY OF KERN OFFICE OF SUPERINTENDENT OF SCHOOLS JESSE D. STOCKTON — SUPERINTENDENT	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	BAKERSFIELD CITY SCHOOLS 1600 K ST. BAKERSFIELD, CALIF. BOARD OF EDUCATION	REHAB OF HOPACE MANN ELEM. SCH. BAKERSFIELD CITY SCHOOL DIST. BAKERSFIELD CALIFORNIA
APPROVED _____ DATE _____	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPLICATION NO. _____ APPROVED _____ SUPERVISING STRUCTURAL ENGINEER	APPROVED _____ DATE 12-53 PRES. _____ SECRETARY _____	JOB NO. _____ ERNEST L. MCCOY - A-I-A - ARCHITECT 129 HAY BLDG. 1612 - 19th ST. BAKERSFIELD CALIFORNIA

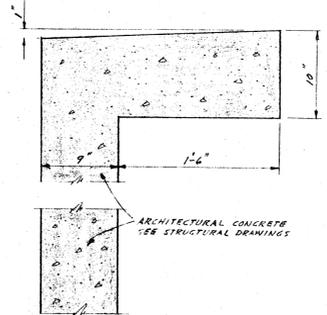




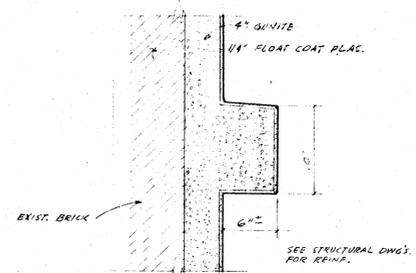
SECTION THROUGH EXISTING NORTH WINDOWS SHOWING EXTENT OF CONSTRUCTION - 1/2 FULL SIZE (R-3)



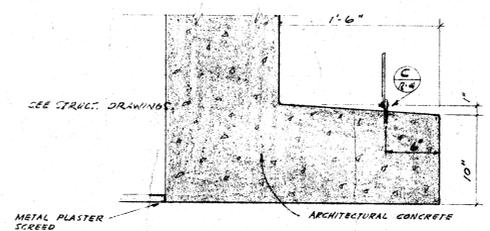
SECTION OF JAMB SHOWING EXTENT OF CONSTRUCTION 1/2 F.S. (P-A-4)



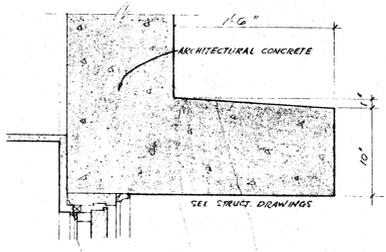
SECTION 'A' SCALE 1/2\"/>



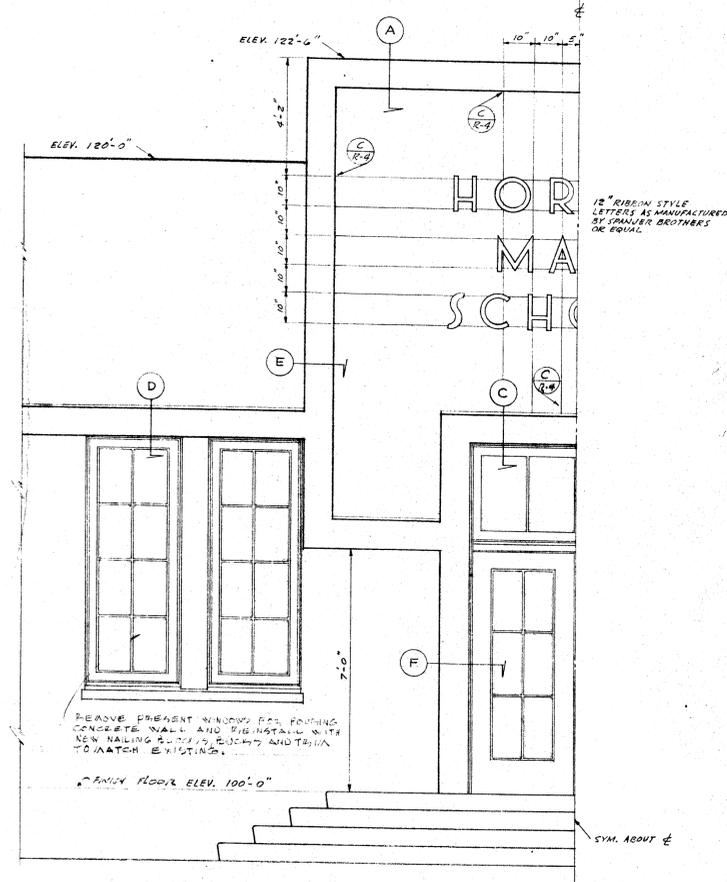
SECTION 'B' SCALE 1/2\"/>



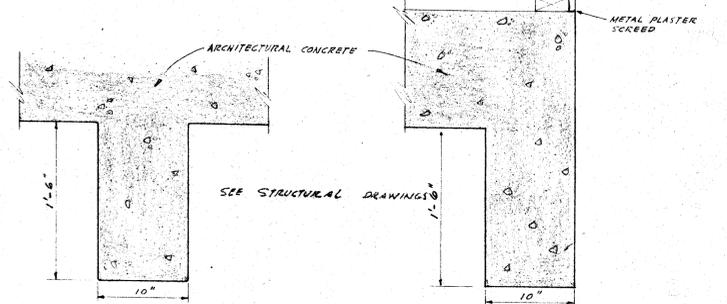
SECTION 'C' SCALE 1/2\"/>



SECTION 'D' SCALE 1/2\"/>

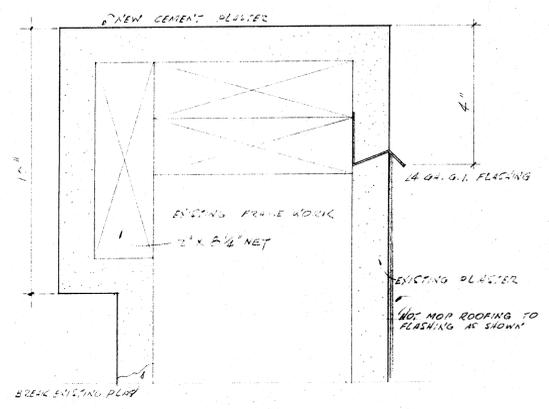


PART FRONT ELEVATION (P-R-4) SCALE 1/2\"/>

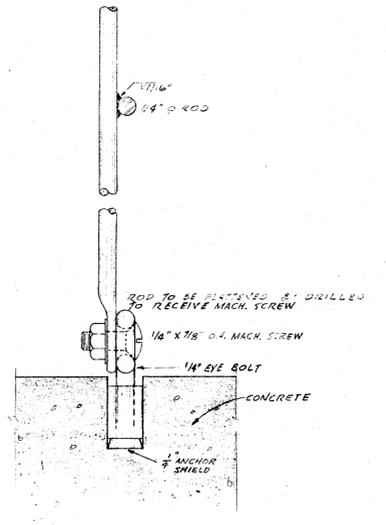


SECTION 'E' SCALE 1/2\"/>

SECTION 'F' SCALE 1/2\"/>



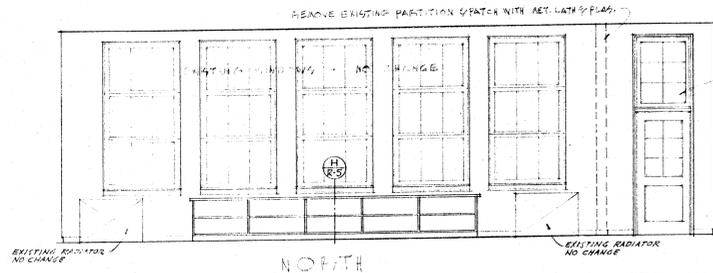
COPING DETAIL 1/2 FULL SIZE (E-R-4)



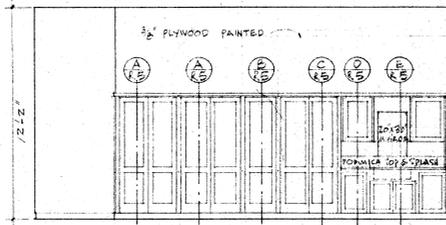
F.S. DETAIL (C-R-4)

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.

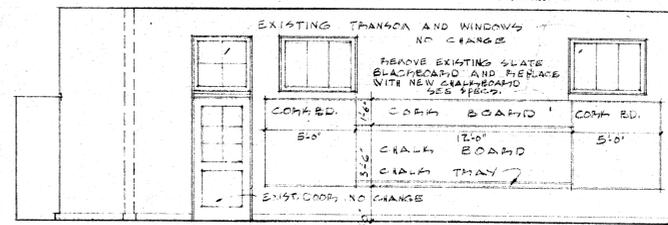
COUNTY OF KERN OFFICE OF SUPERINTENDENT OF SCHOOLS JESSE D. STOCKTON - SUPERINTENDENT	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	BAKERSFIELD CITY SCHOOLS 1600 K ST. BAKERSFIELD CALIF. BOARD OF EDUCATION	REHAB. OF HORACE MANN ELEM SCHOOL BAKERSFIELD CITY SCHOOL DIST. BAKERSFIELD CALIFORNIA	DRAWN BY G.E.
APPROVED DATE	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPROVED SUPERVISOR OF STRUCTURAL ENGINEER	APPROVED DATE 11-16-52 Ernest L. McCoy	JOB NO. 53-10 ERNEST L. MCCOY A-I-A ARCHITECT 129 HAY BLDG. BAKERSFIELD CALIFORNIA	R SHEET NO. 1 DATE



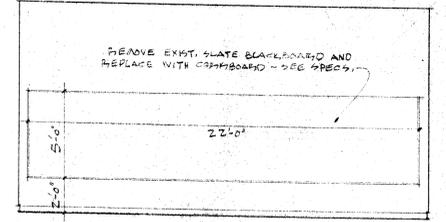
NORTH



EAST

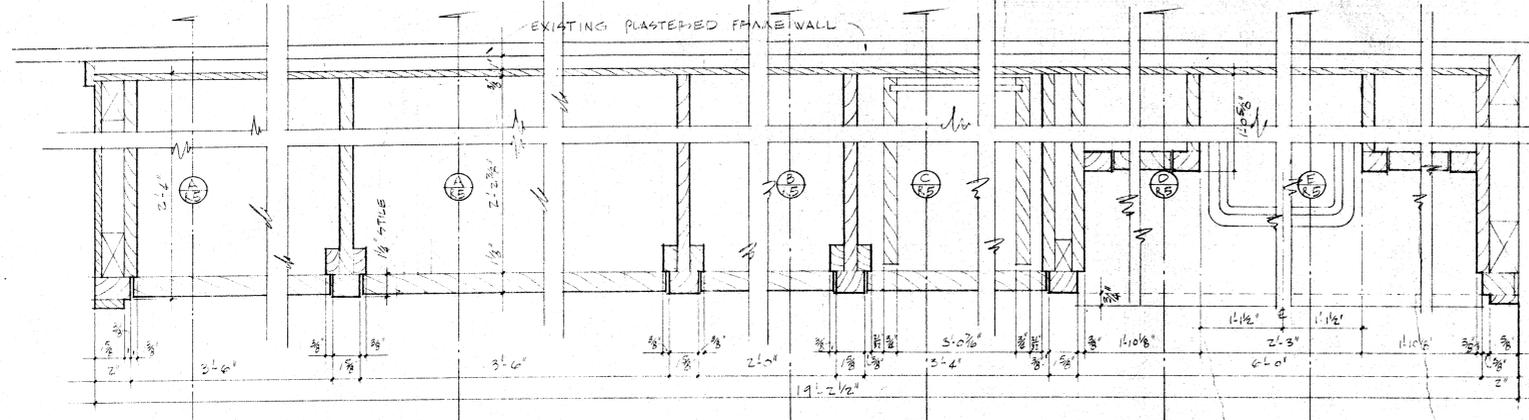
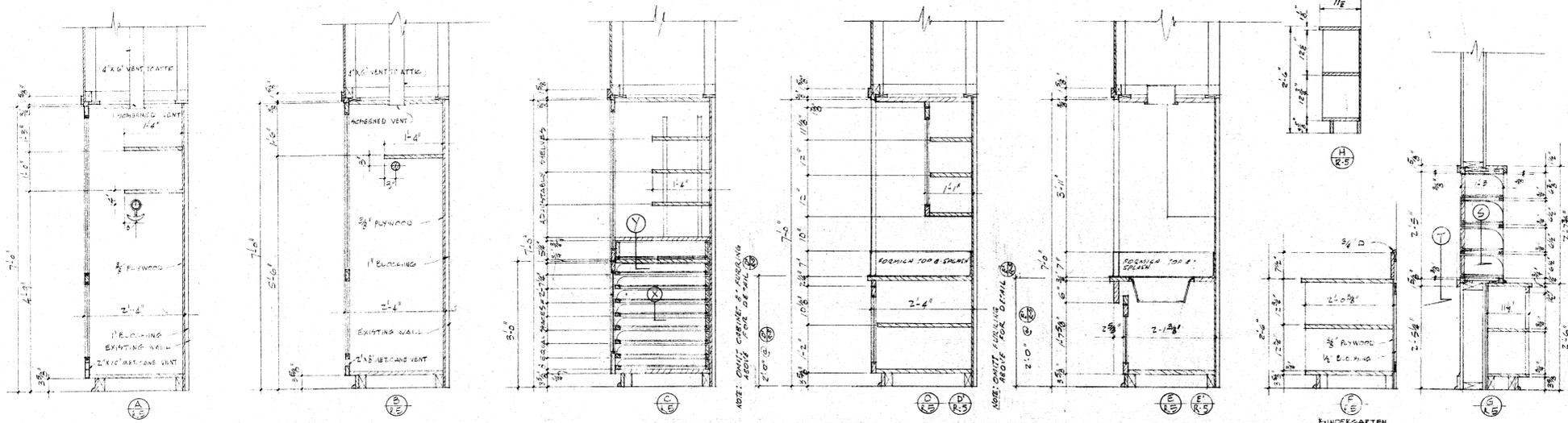


SOUTH

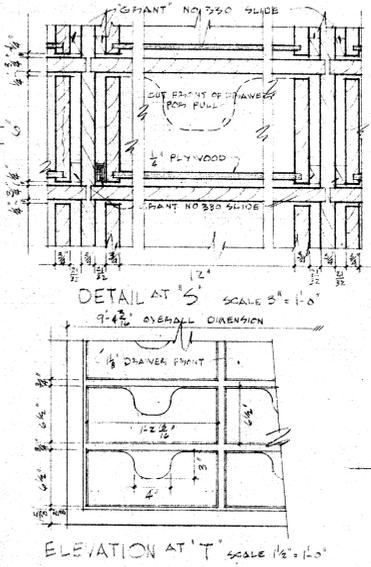


WEST

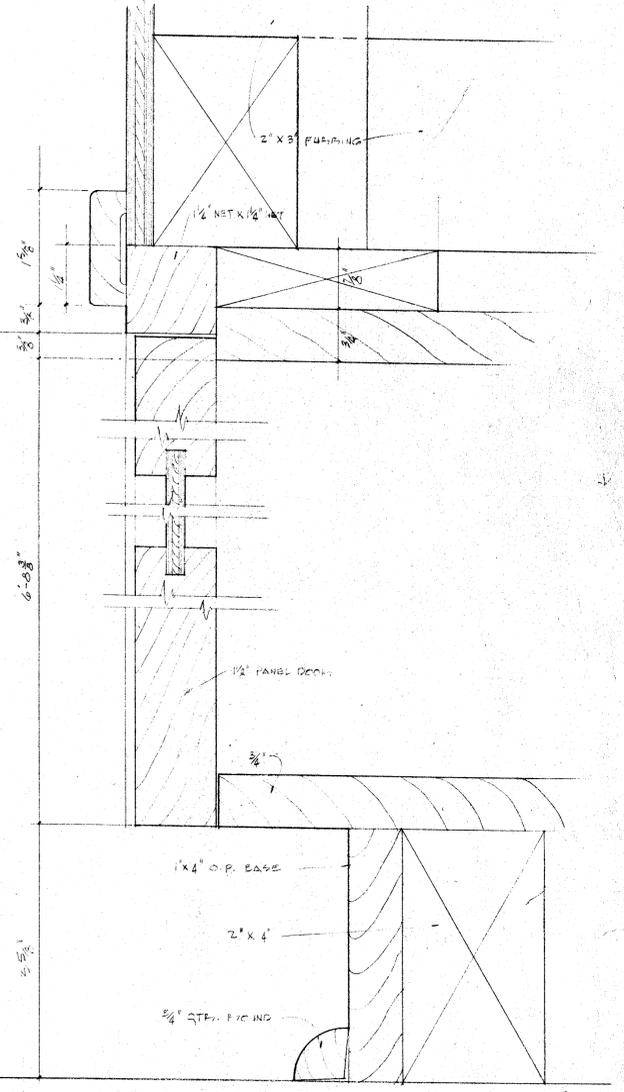
INTERIOR ELEVATIONS OF TYPICAL CLASSROOMS SHOWING EXISTING AND NEW WORKS SCALE 1/4" = 1'-0"



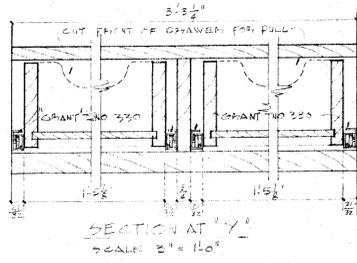
PLAN OF CLASSROOM CABINETS SCALE 3/8" = 1'-0"



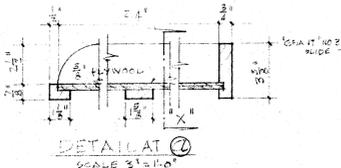
ELEVATION AT 'T' SCALE 1/8" = 1'-0"



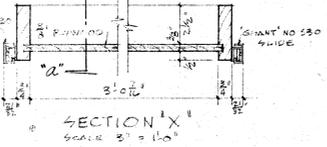
TYPICAL CABINET SECTION SCALE-FULL SIZE



SECTION AT 'Y' SCALE 3/8" = 1'-0"



DETAIL AT 'Z' SCALE 3/8" = 1'-0"



SECTION 'X' SCALE 3/8" = 1'-0"

NOTE: SIZE RELYING TO CABINETS TO BE SECURELY FASTENED TO WALL PLACING

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.

COUNTY OF KERN  
OFFICE OF SUPERINTENDENT OF SCHOOLS  
JESSE D. STOCKTON - SUPERINTENDENT

STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF ARCHITECTURE

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS  
DIVISION OF ARCHITECTURE  
APPROVED  
DATE 5-18-55  
Ernest L. McCoy  
REGISTERED ARCHITECT

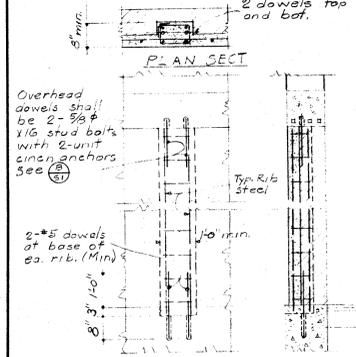
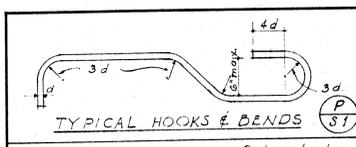
BAKERSFIELD CITY SCHOOLS  
1600 K ST. BAKERSFIELD CALIF.  
BOARD OF EDUCATION

APPROVED  
DATE 5-18-55  
Ernest L. McCoy  
REGISTERED ARCHITECT

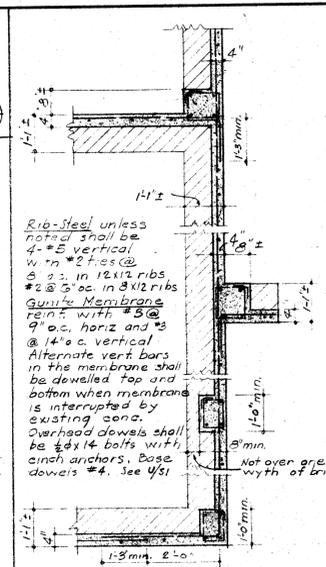
REHAB. OF HORACE MANN ELEM. SCH.  
BAKERSFIELD CITY SCHOOL DIST.  
BAKERSFIELD CALIFORNIA

JOB NO. 57-10  
ERNEST L. M'COY - A.I.A. ARCHITECT  
129 HAY BLDG.  
BAKERSFIELD - CALIFORNIA

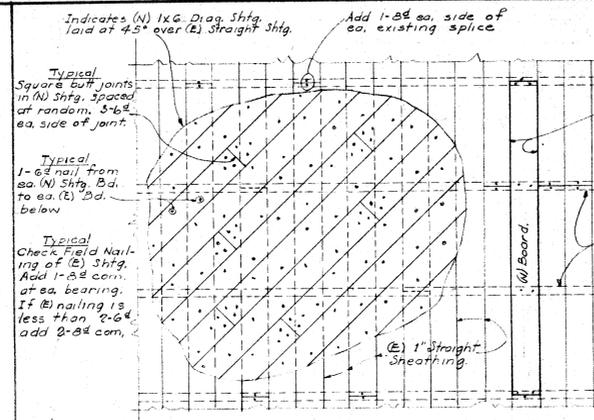
DRAWN BY  
L. J. ...  
DATE



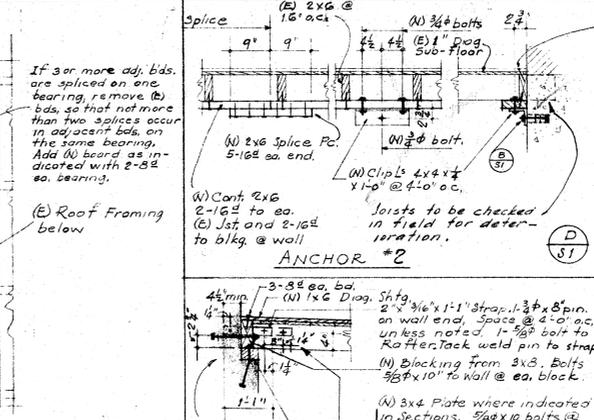
TYPICAL FLUSH RIB, TOP END DYING AGAINST EXISTING CONCRETE (R) (SI)



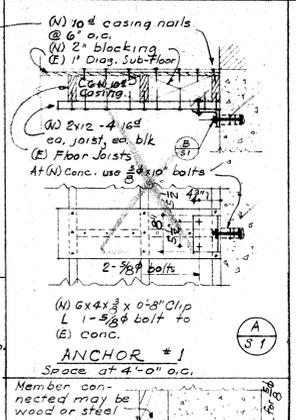
PLAN OF TYPICAL CORNERS & INTERSECTIONS (N) (SI)



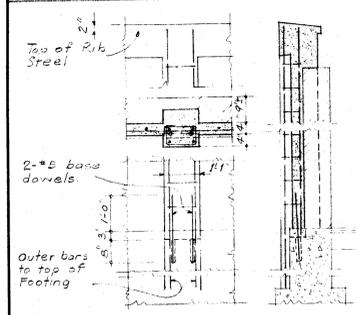
TYPICAL DETAIL OF NEW 1X6 DIAGONAL SHEATHING APPLIED OVER EXISTING ONE INCH STRAIGHT SHEATHING (G) (SI)



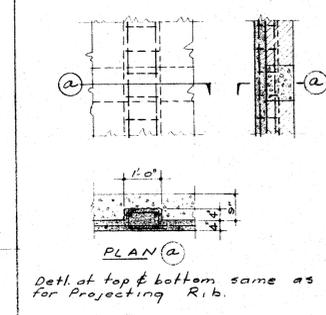
TYP. DETAIL AT WALLS WHERE DIAPHRAM IS CUT (G) (SI)



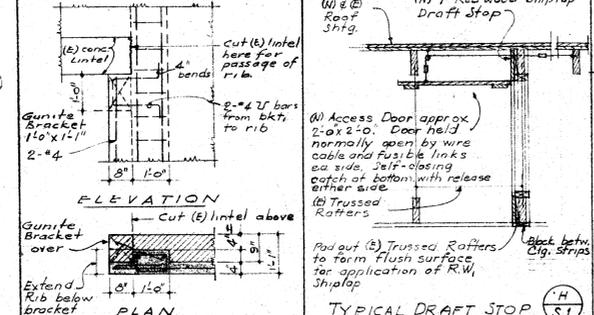
TYPICAL 2-UNIT CINDER ANCHOR (B) (SI)



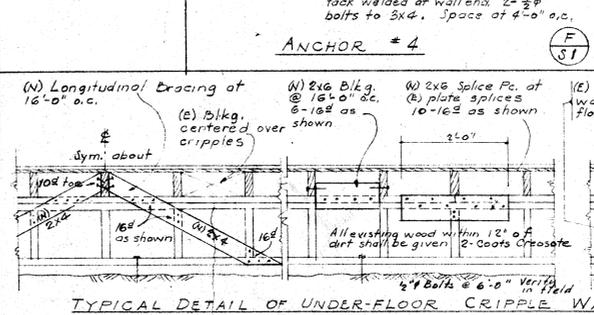
TYPICAL PROJECTING RIB IN CONT. WALL (S) (SI)



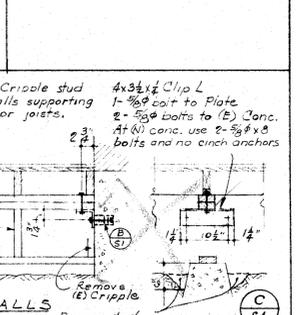
TYPICAL FLUSH RIBS CHASED THRU LINTELS (M) (SI)



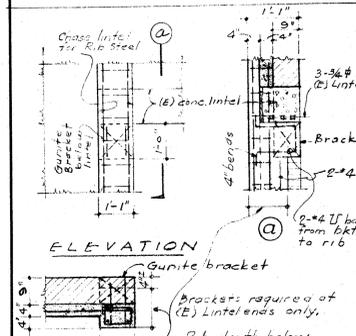
TYP. LINTEL SUPPORT AT FLUSH RIBS (J) (SI)



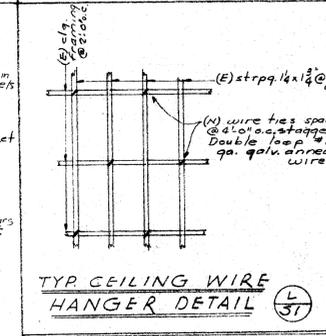
TYPICAL DETAIL OF UNDER-FLOOR CRIPPLE WALLS (C) (SI)



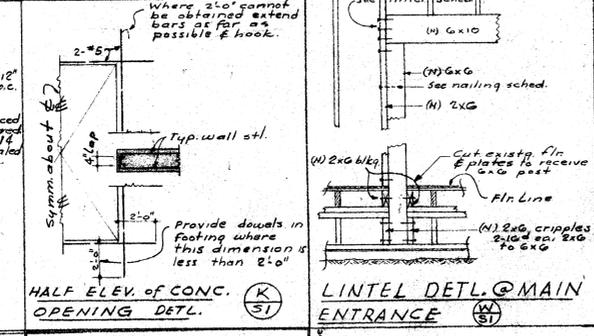
TYPICAL DRAFT STOP (H) (SI)



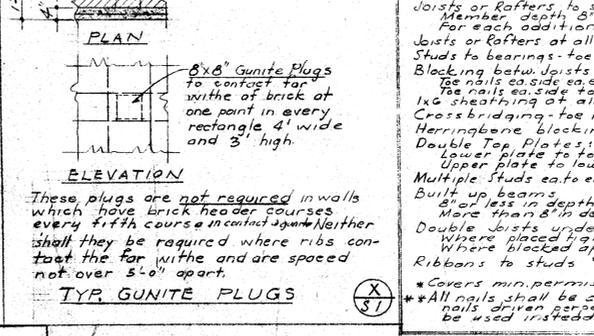
TYP. LINTEL SUPPORT AT PROJECTING RIBS (T) (SI)



TYP. CEILING WIRE HANGER DETAIL (L) (SI)



HALF ELEV. OF CONC. OPENING DETL. (K) (SI)



TYP. GUNITE PLUGS (X) (SI)

**NAILING SCHEDULE**

ITEM	NAILING
Joists or Rafter to sides of studs	3:10d
Member depth 8" or less	1:10d
For each additional 4" in depth	2:10d
Joists or rafters at all bearing depths	2:10d
Studs to bearings - toe nails ea. side	2:10d
Blocking betw. joists or rafters	2:10d
Toe nails ea. side, end to joists or rafters	2:10d
1x6 sheathing at all bearings	2:8d
Cross bridging - toe nails ea. end	2:8d
Herringbone blocking ea. end	2:10d
Double Top Plates:	
Lower plate to top of studs	2:20d
Upper plate to lower plate (staggered)	1:8d @ 8" o.c.
Multiple studs ea. to (stagger if wider than 4")	1:8d @ 16" o.c.
Built up beams:	
2" or less in depth (staggered)	1:8d @ 8" o.c.
More than 2" in depth (staggered)	3:8d @ 24" o.c.
Double joists under partitions	
Where placed tight together (staggered)	1:8d @ 8" o.c.
Where blocked apart (ea. block)	2:8d
Ribbons to studs "1"	2:8d

\*Covers min. permissible connections only.  
\*\*All nails shall be common wire nails. Where possible nails shall be perpendicular to the grain. (S) shall be used instead of toe nails.

**GENERAL NOTES**

**SOIL CONDITIONS**

Footings are supported on sandy loam. Soil bearing value used in design 2000 p.s.f. dead load only, 2500 p.s.f. dead load plus live load.

**REINFORCED CONCRETE**

All concrete shall have a minimum ultimate compressive strength of 2000 p.s.f. at 28 days.

No brick or masonry material shall be used to support concrete supports for testing steel.

Anchor bolts and dowels shall be securely held in place before concrete is poured.

Splices in reinforcing steel shall lap 30 bar diam. min. in concrete unless otherwise noted. Separate bars 2" diam. o.c. at laps (1/2" clear min.) Column dowels shall be separated 1" clear min.

Reinforcing steel shall have the min. protective concrete coverage as indicated below:

- Footings (main stl) - 3" slabs above grade - 2" 2" m.s. over top, soffit - 1 1/2"
- All deformed bars shall comply with the latest A.S.T.M. designation A305.
- All slabs on fill other than walks shall be reinforced with 3/8" x 10" E.W.M. (plastic wire welded mesh) placed in center of slab.
- See Architectural and/or Mechanical drawings for location of pipes, vents, ducts or other similar openings.
- All walls shall be doweled to supporting footings, beams, girders or slabs with bars. Bars in walls unless indicated otherwise. Anchorage of dowels shall be equivalent to bar splice.
- Horizontal pour joints in walls, girders, beams, girders or slabs shall be approved by the Architect or Structural Engineer.
- Where new poured concrete is in contact with existing concrete or existing brick, the contact surface shall be cleaned, roughened by sand blasting or other method approved by the Structural Engineer.

**GUNITE**

All gunite shall have a minimum ultimate compressive strength of 3000 p.s.f. at 28 days.

Where gunite is to make contact with poured concrete the concrete shall be in place before uniting is done.

All surfaces gunited against shall be cleaned and roughened by sand blasting or other method approved by Structural Engineer.

Reinforcing steel in gunite shall be properly supported and stayed so as to avoid injurious vibration during guniting.

Minimum coverage of reinf. steel by gunite shall be as indicated below:

- Between main bars and surface of gunite - 2"
- Clearance between bars - 1"

At all cold joints in gunite work more than 3 hours old the surface shall be roughened, cleaned and new gunite placed before proceeding with new guniting.

Width of gunite chases shall be 1 1/2 times their depth.

**TIMBER**

All framing lumber shall be grade marked Douglas Fir. See specs.

Bolt, sill plates to new concrete with 5/8" x 12" bolts @ 4' o.c. max. unless otherwise noted. At all corners intersections and door openings place a bolt 6" max. apart.

Studs to be spaced at 16" o.c. max. and of size shown on plans.

No structural members shall be cut for pipes, vents, ducts or other openings, except as detailed or specified.

All joists or rafters shall be spliced at supports. Splices shall be nailed together with 3:16d min.

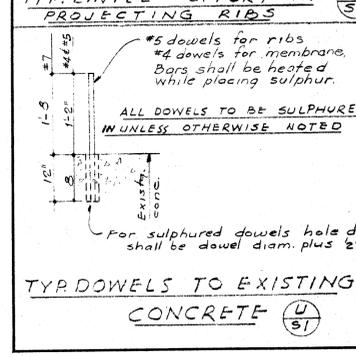
Two inch solid blk. shall be placed between all partitions unless otherwise detailed.

All joists shall be fitted with malleable iron or cut steel plate washers. See washer schedule.

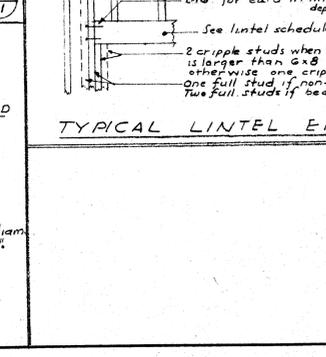
Hold fast bolts in wood shall be bored with a bit of the same nominal diameter as the bolt.

Where existing drypack under existing sill is faulty, fill with new drypack.

If required blocking is missing in existing framing, it shall be added and nailed up as per nailing schedule.



TYP. DOWELS TO EXISTING CONCRETE (U) (SI)



TYPICAL LINTEL END DETAILS (V) (SI)

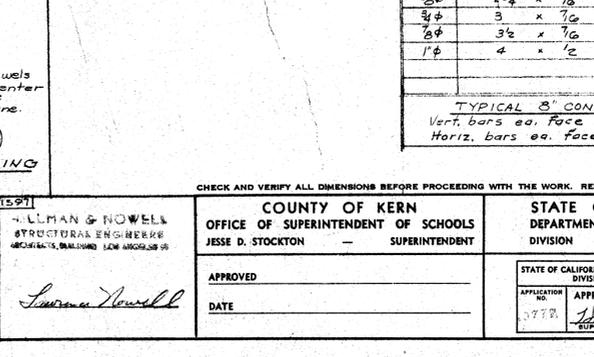
**LINTEL SCHEDULE**

BEARING WALLS	NON-BEARING WALLS
OPENING	LINTEL
3'-0" or less	2-2x6
3'-0" to 7'-0"	2-2x6
7'-0" or less	2-2x6
7'-0" to 10'-0"	2-2x6

Studs & cripples @ 16" o.c. 2:10d for ea. 3" in lintel depth.

See lintel schedule.

2 cripple studs when lintel is larger than 6x8 otherwise one cripple one full stud if non-bearing two full studs if bearing.



ELEV. SHOWING TYP. DOWELLING FROM POURED CONCR. TO GUNITE (Y) (SI)

**WASHER SCHEDULE**

FOOT DIAM.	ROUND WASHER DIAM. (MALLEABLE IRON)	SQUARE CUT STL WASHER (FINISHED)
2"	2 1/2" x 1/2"	2 1/2" x 1/2"
3"	3 1/2" x 5/8"	3 1/2" x 5/8"
4"	4 1/2" x 5/8"	4 1/2" x 5/8"
6"	6 1/2" x 5/8"	6 1/2" x 5/8"

**TYPICAL 8" CONC. WALL STEEL**

Vert. bars ea. face #4 @ 24" o.c.

Horiz. bars ea. face #4 @ 16" o.c.

**LEGEND**

Existing Concrete (hatched)

New Concrete (solid)

Gunite (stippled)

Brick (cross-hatched)

Continuous wood member (solid)

Wood Blocking (diagonal lines)

New (N)

Existing (E)

D.S. = Diagonal Sheathing

**GENERAL NOTES & TYPICAL DETAILS**

15-91

WILLMAN & NOWELL  
STRUCTURAL ENGINEERS  
ARCHITECTS, PLANNERS, LAND ARCHITECTS

COUNTY OF KERN  
OFFICE OF SUPERINTENDENT OF SCHOOLS  
JESSE D. STOCKTON - SUPERINTENDENT

STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF ARCHITECTURE

BAKERSFIELD CITY SCHOOLS  
1000 K ST. BAKERSFIELD, CALIF. 93301  
BOARD OF EDUCATION

REHAB. HORACE MANN ELEMENTARY SCHOOL  
BAKERSFIELD CITY SCHOOL DISTRICT  
BAKERSFIELD CALIFORNIA

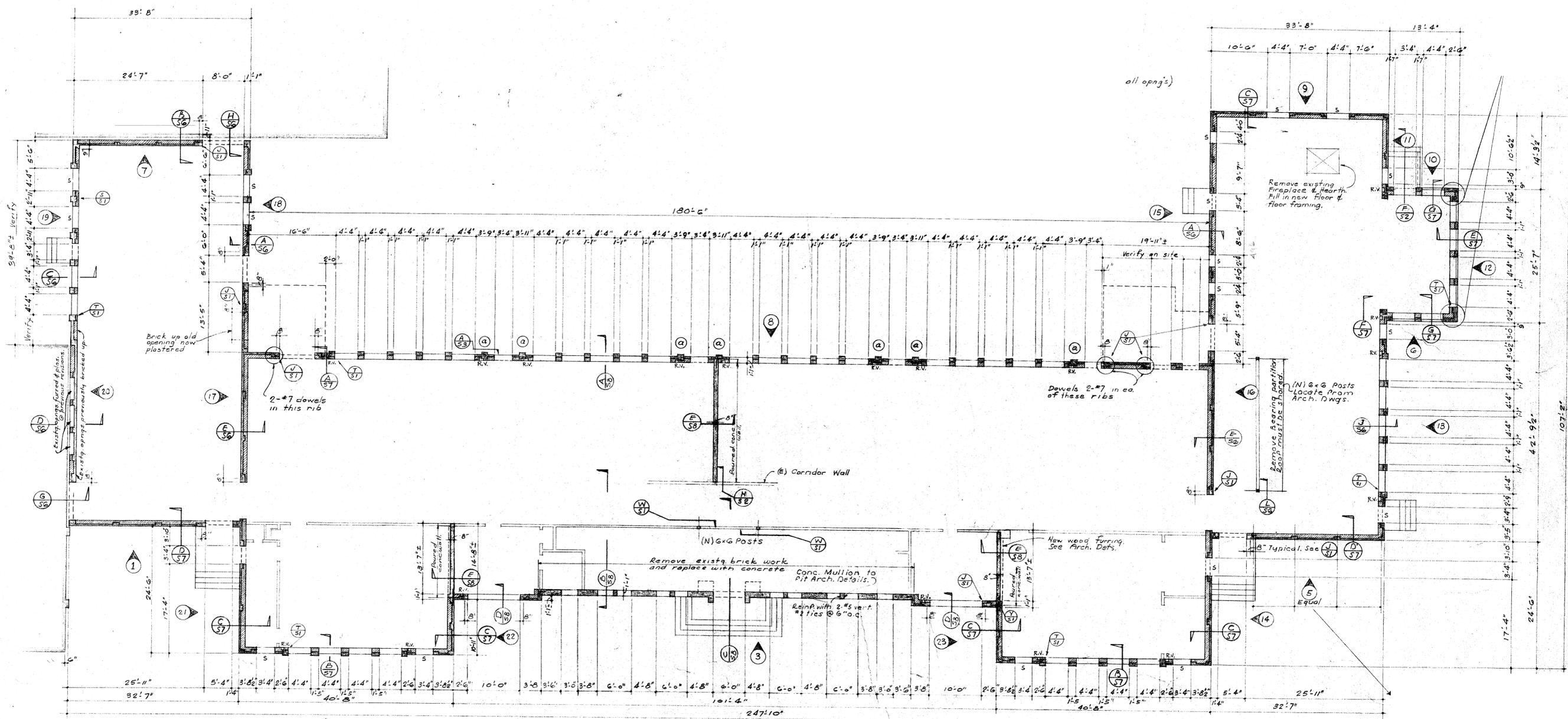
APPROVED DATE 5-14-58  
L. McCoy

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS  
DIVISION OF ARCHITECTURE  
APPROVED DATE 5-14-58  
L. McCoy

ERNEST L. MCCOY - A.A.A. ARCHITECT  
129 WILDWOOD ST. BAKERSFIELD, CALIFORNIA

1912 - 1964 ST. CALIFORNIA





FLOOR PLAN of REHABILITATED BUILDING • Scale: 1/8" = 1'-0"

R.V. = EXISTING 4x8 T.C. RAD. VENTS  
S = EXISTING STEEL ANGLE LINTELS ABOVE

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.

HILLMAN & NOWELL  
STRUCTURAL ENGINEERS  
3874 CRENSHAW BLVD., LOS ANGELES, CALIF.

*Laurence Hillman*

COUNTY OF KERN  
OFFICE OF SUPERINTENDENT OF SCHOOLS  
JESSE D. STOCKTON — SUPERINTENDENT

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_

STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF ARCHITECTURE

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS  
DIVISION OF ARCHITECTURE

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_

BAKERSFIELD CITY SCHOOLS  
1600 K. ST. BAKERSFIELD, CALIF.

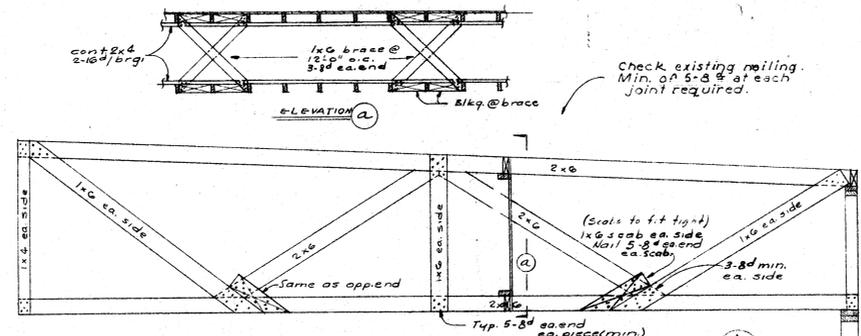
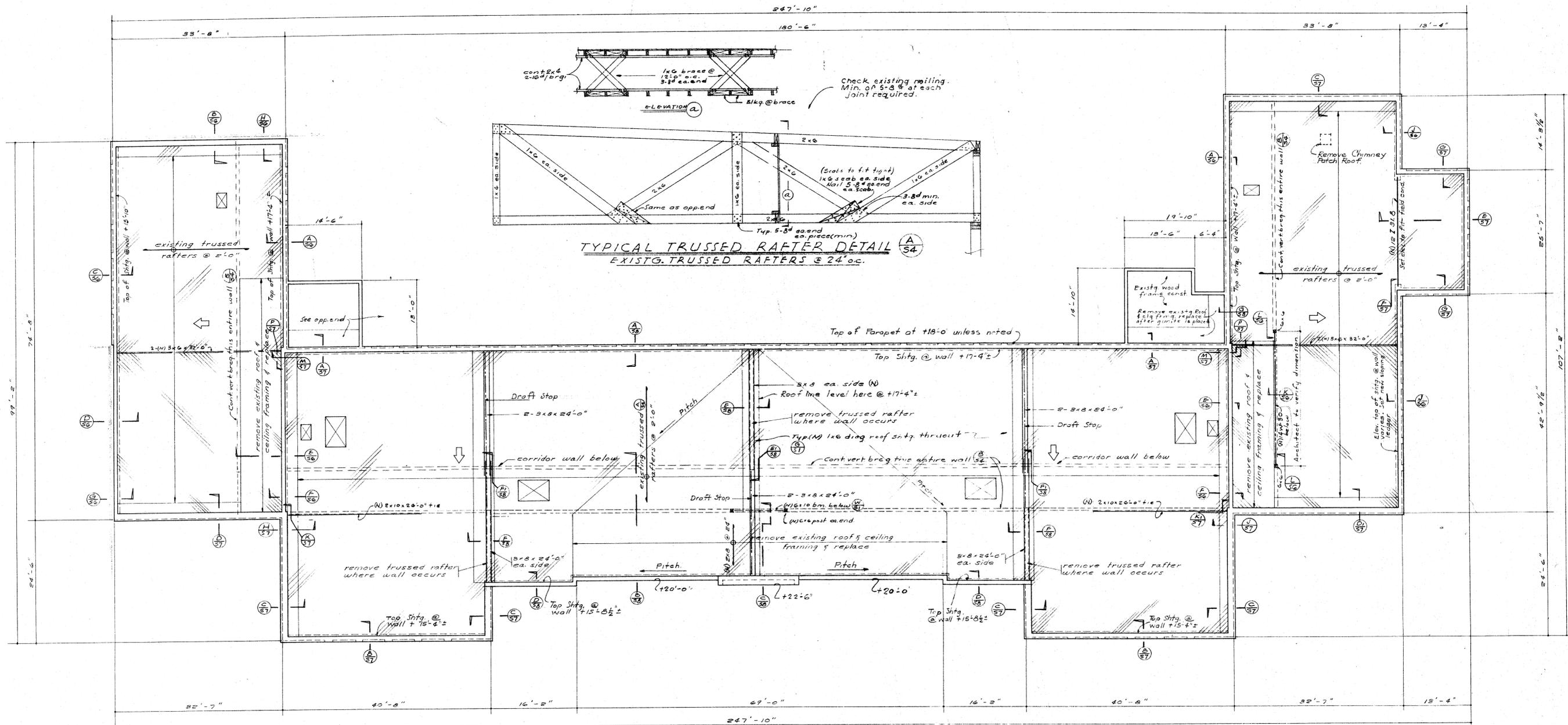
REHAB. OF HORACE MANN ELEM. SCHOOL  
BAKERSFIELD CITY SCHOOL DISTRICT  
BAKERSFIELD CALIFORNIA

APPROVED \_\_\_\_\_  
DATE 2-14-52

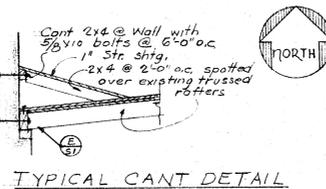
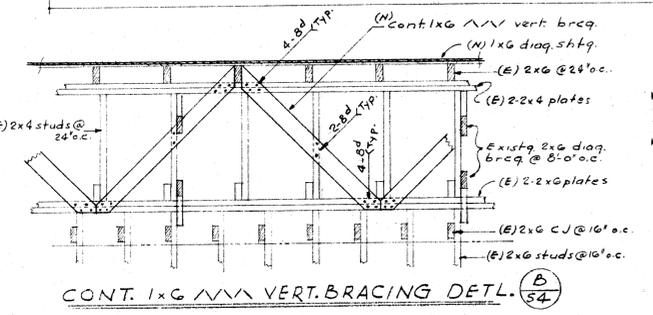
ERNEST L. M'COY • A.I.A. • ARCHITECT  
129 HAY BLDG. 1612 - 19th ST. BAKERSFIELD CALIFORNIA

JOB NO. \_\_\_\_\_  
DATE \_\_\_\_\_

DRAWN BY T.G. 10/10  
S3  
OF SHTS.  
DATE \_\_\_\_\_



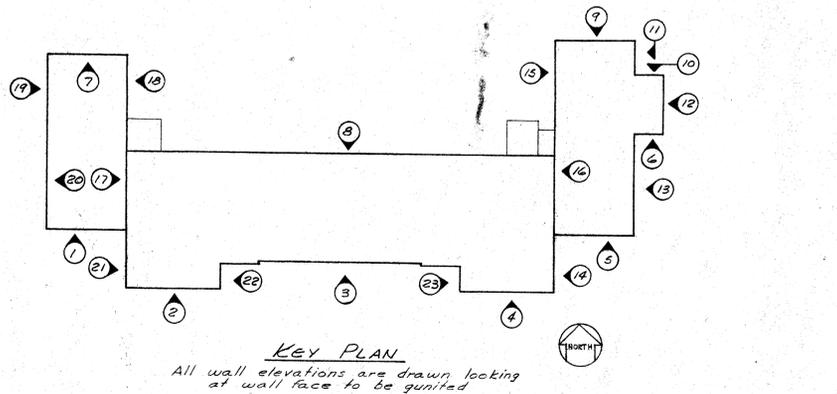
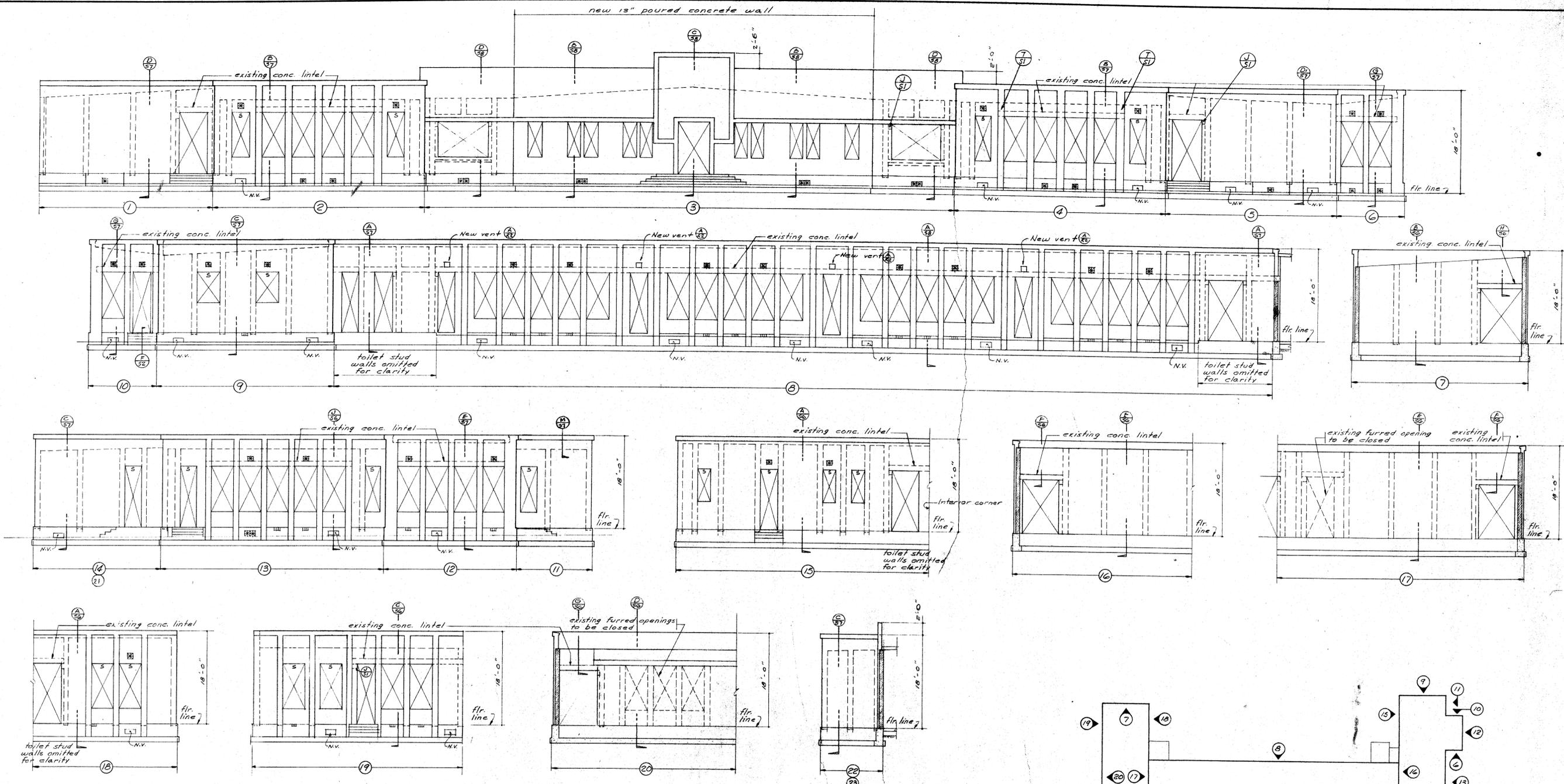
**TYPICAL TRUSSED RAFTER DETAIL**  
EXISTG. TRUSSED RAFTERS @ 24" o.c.



**ROOF FRAMING PLAN**

1/8" = 1'-0"  
REFER AND CHECK WITH ARCH. DRAWINGS FOR:  
Roof slopes, gutters, vents, drains, saddles etc. and  
for dimensions not shown.  
Existing roof covered with 1" straight sheathing. This shall be covered with new  
1x6 Diag. (45°) Shtg. See (A). Where new or replaced framing occurs no straight sheathing required.

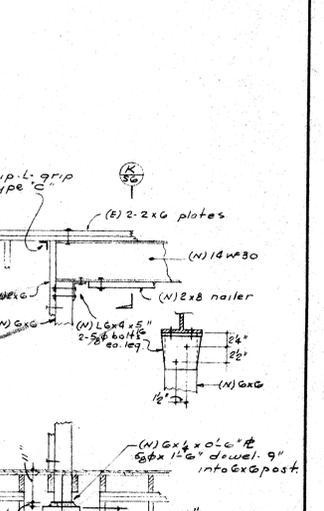
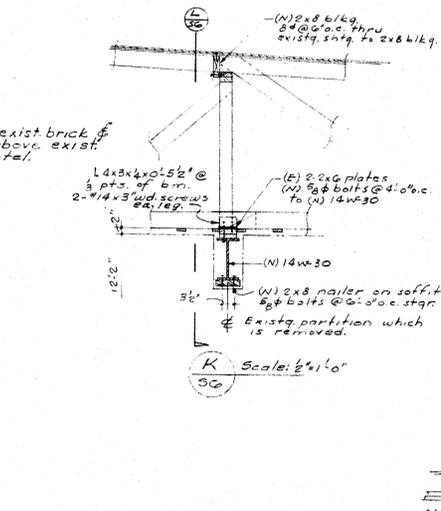
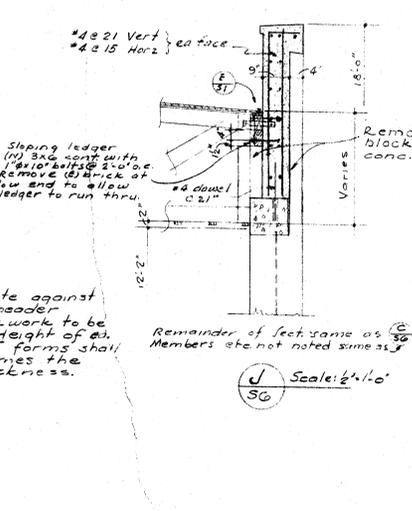
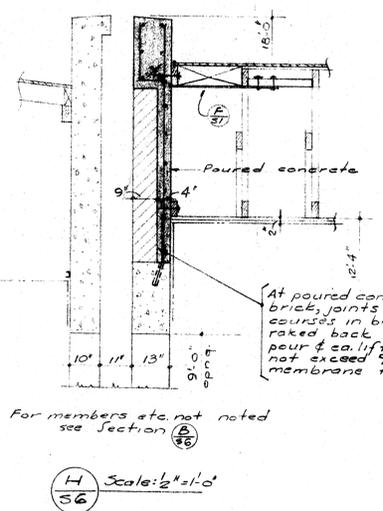
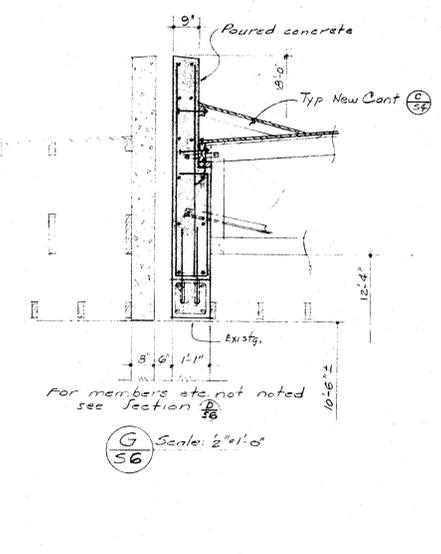
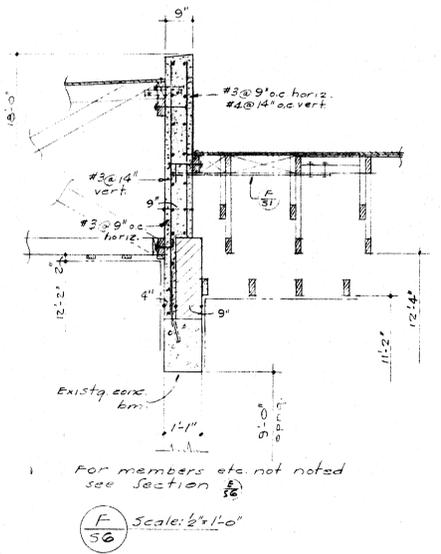
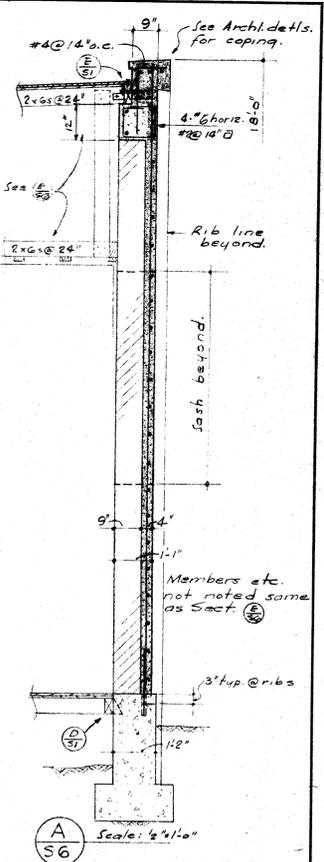
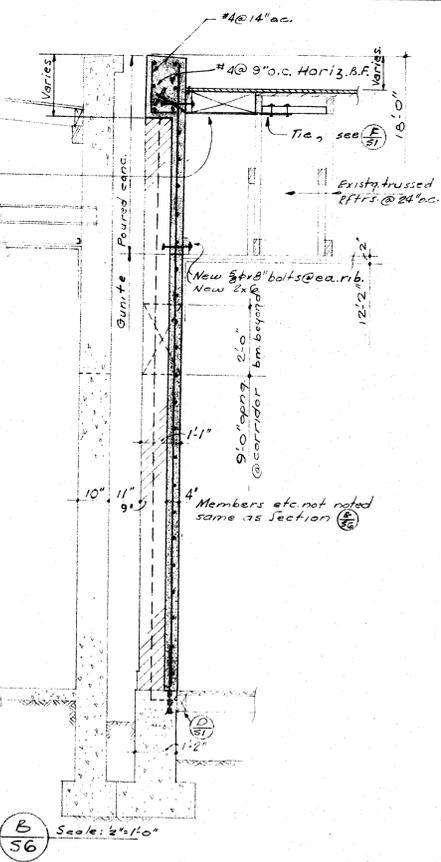
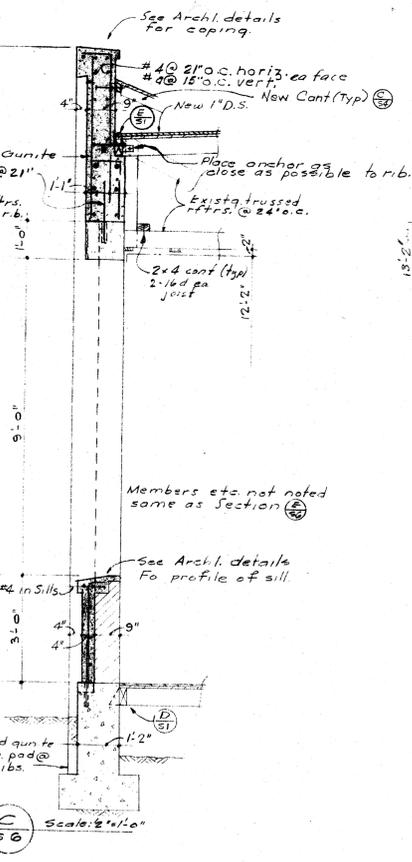
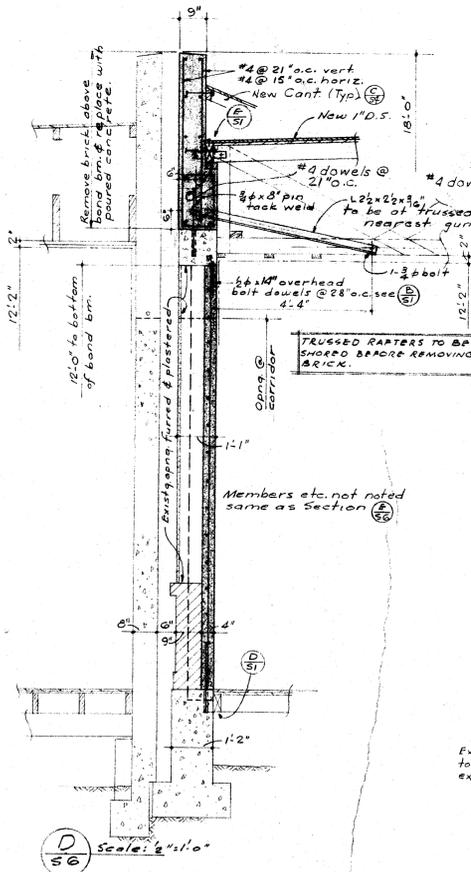
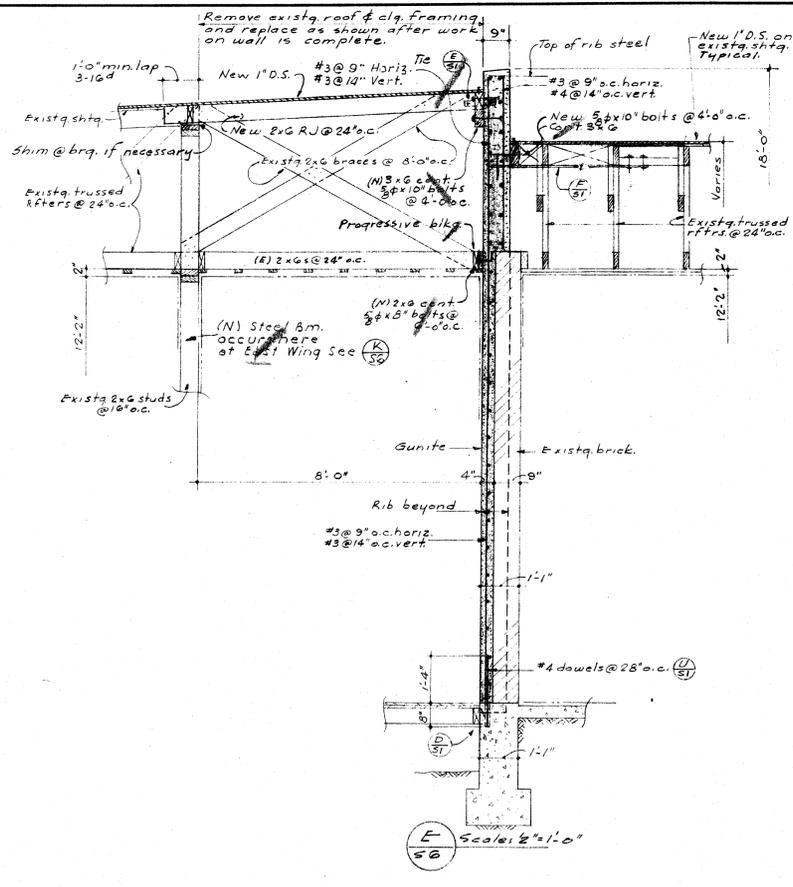
COUNTY OF KERN OFFICE OF SUPERINTENDENT OF SCHOOLS JESSE D. STOCKTON - SUPERINTENDENT		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE		<b>ROOF FRAMING PLAN</b> BAKERSFIELD CITY SCHOOLS 1600 K ST. BAKERSFIELD, CALIF. BOARD OF EDUCATION		REHAB. OF HORACE MANN ELEM. SCHOOL BAKERSFIELD CITY SCHOOL DISTRICT BAKERSFIELD CALIFORNIA		DRAWN BY M. F. FISLER
APPROVED: <i>Lawrence Nowell</i> DATE:		STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPROVED: <i>Ernest L. McCoy</i> SUPERVISING STRUCTURAL ENGINEER		APPROVED: <i>Ernest L. McCoy</i> DATE: 2-14-25		JOB NO. 21425 ERNEST L. MCCOY A.I.A. ARCHITECT 129 HAY BLDG. BAKERSFIELD CALIFORNIA		OF SHTS. DATE



'S' at head of openings indicates existing steel angle lintels. Where steel L lintels occur, contractor to determine exist detail in field and if all brick is not supported by steel lintel, notify Engr. so that detail may be made to support brick.

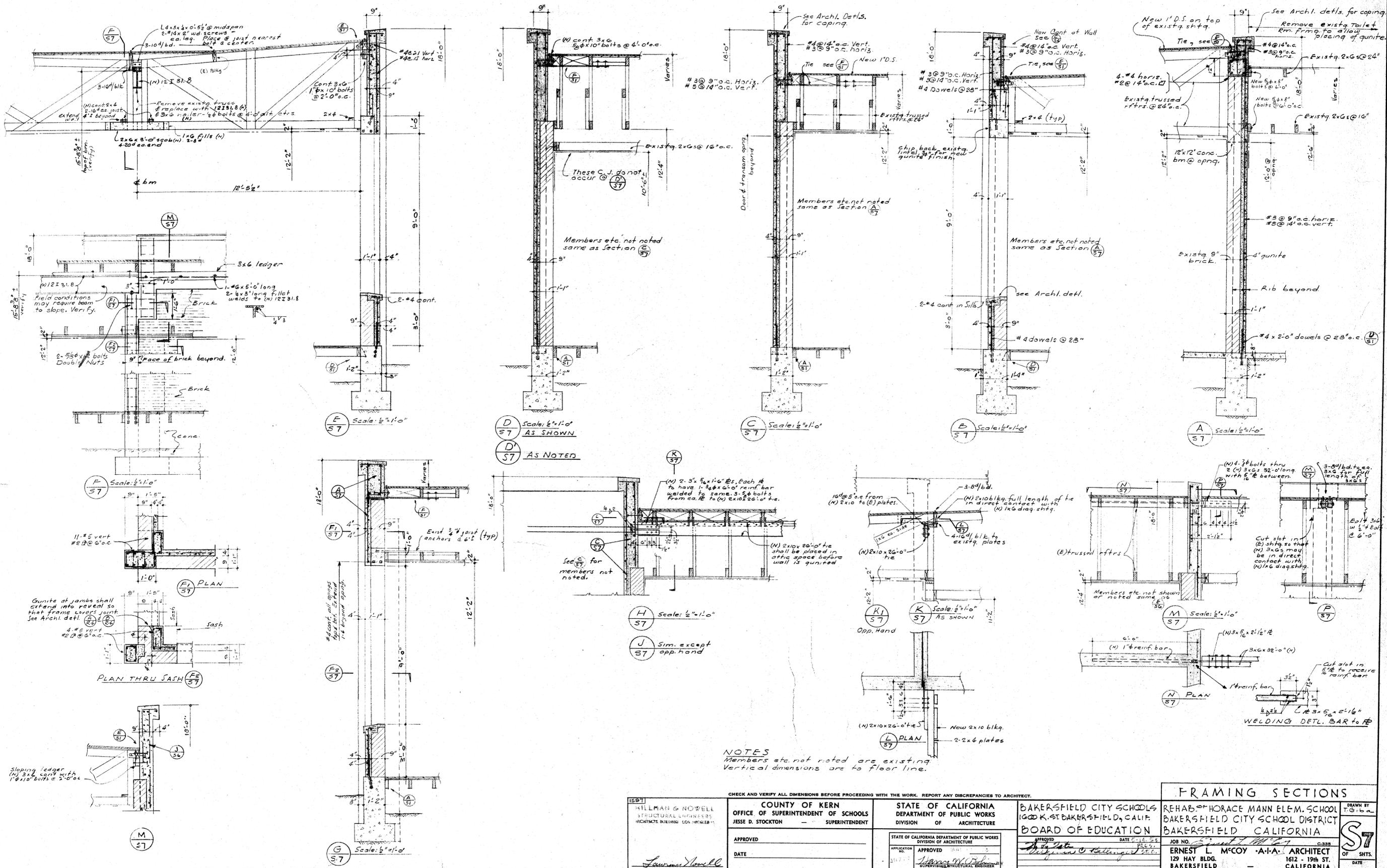
**Note:** ① All walls to be gunited except as noted. Also see wall sections  
 ② N.V. = New under floor vent  
 ③ Where steel lintels occur over openings, burn off portions at bearings to allow passage of rib steel.

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.		<b>STRUCTURAL WALL ELEVATIONS</b>	
HILLMAN & NOWELL STRUCTURAL ENGINEERS ARCHITECTS BUILDING, LINDEN AVENUE 11	<b>COUNTY OF KERN</b> OFFICE OF SUPERINTENDENT OF SCHOOLS JESSE D. STOCKTON - SUPERINTENDENT	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	BAKERSFIELD CITY SCHOOLS 1600 K ST. BAKERSFIELD, CALIF. BOARD OF EDUCATION
APPROVED: <i>Louise Nowell</i> DATE:	APPROVED: _____ DATE:	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPLICATION TO: _____ APPROVED: <i>James M. [Signature]</i> SUPERVISING STRUCTURAL ENGINEER	REHAB. OF HORACE MANN ELEM. SCHOOL BAKERSFIELD CITY SCHOOL DISTRICT BAKERSFIELD CALIFORNIA JOB NO. _____ ERNEST L. M'COY - A-I-A - ARCHITECT 129 MAY BLDG. 1612 - 19th ST. BAKERSFIELD CALIFORNIA

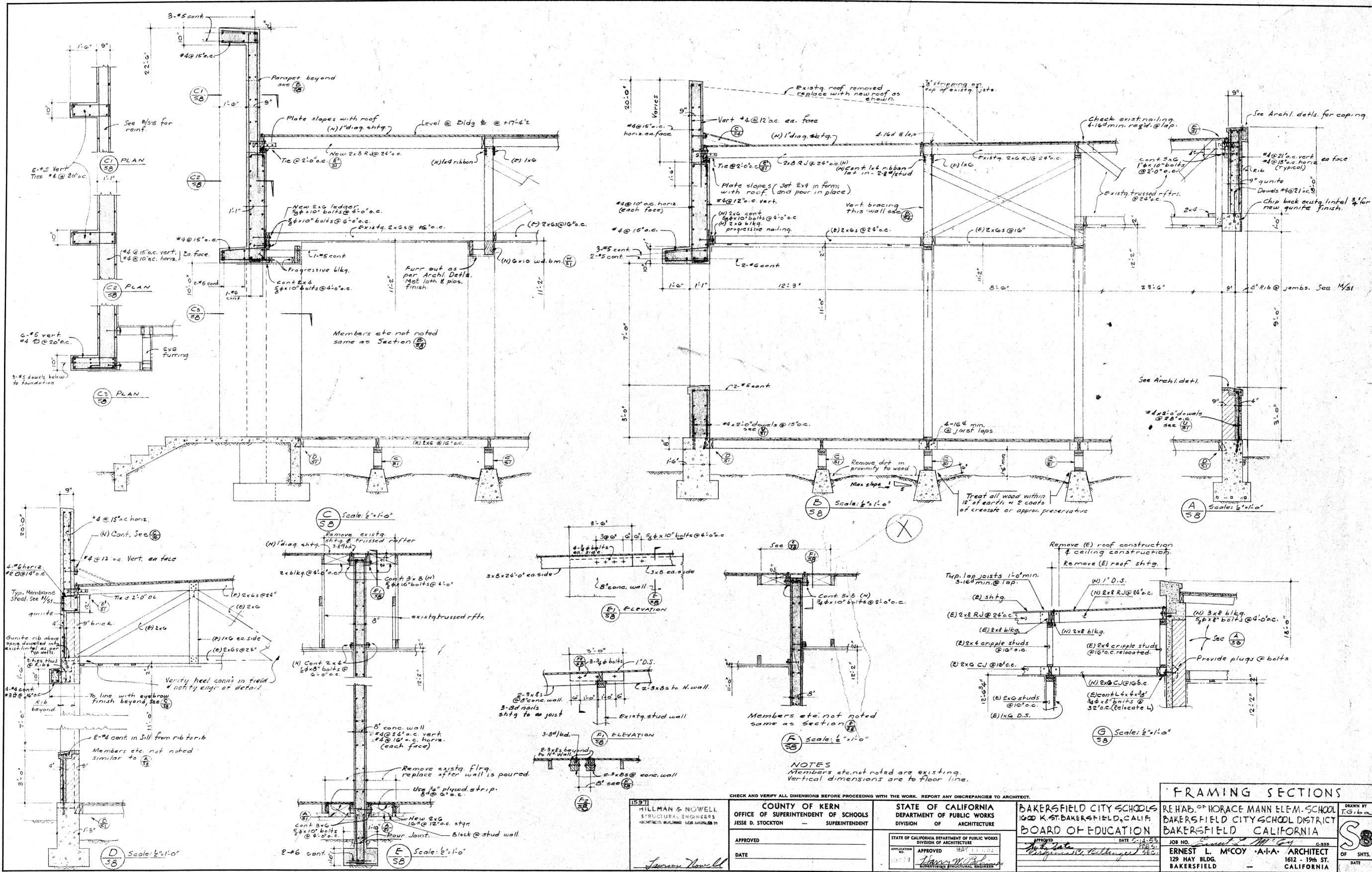


**NOTES**  
 Members etc. not noted are existing.  
 Vertical dimensions are to floor line.

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.		<b>FRAMING SECTIONS</b>	
MILLMAN & HOWELL STRUCTURAL ENGINEERS ARCHITECTS BUILDING - LOS ANGELES 11	COUNTY OF KERN OFFICE OF SUPERINTENDENT OF SCHOOLS JESSE D. STOCKTON - SUPERINTENDENT	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	BAKERSFIELD CITY SCHOOLS 1600 K. ST. BAKERSFIELD, CALIF. BOARD OF EDUCATION
APPROVED: _____ DATE: _____	APPROVED: _____ DATE: _____	APPROVED: _____ DATE: 5-14-52	REHAB. OF HORACE MANN ELEM. SCHOOL BAKERSFIELD CITY SCHOOL DISTRICT BAKERSFIELD CALIFORNIA
Lawrence Howell	Ernest L. McCoy	Ernest L. McCoy A.I.A. ARCHITECT 129 HAY BLDG. BAKERSFIELD	DRAWN BY T. Giba OF SHITS. DATE

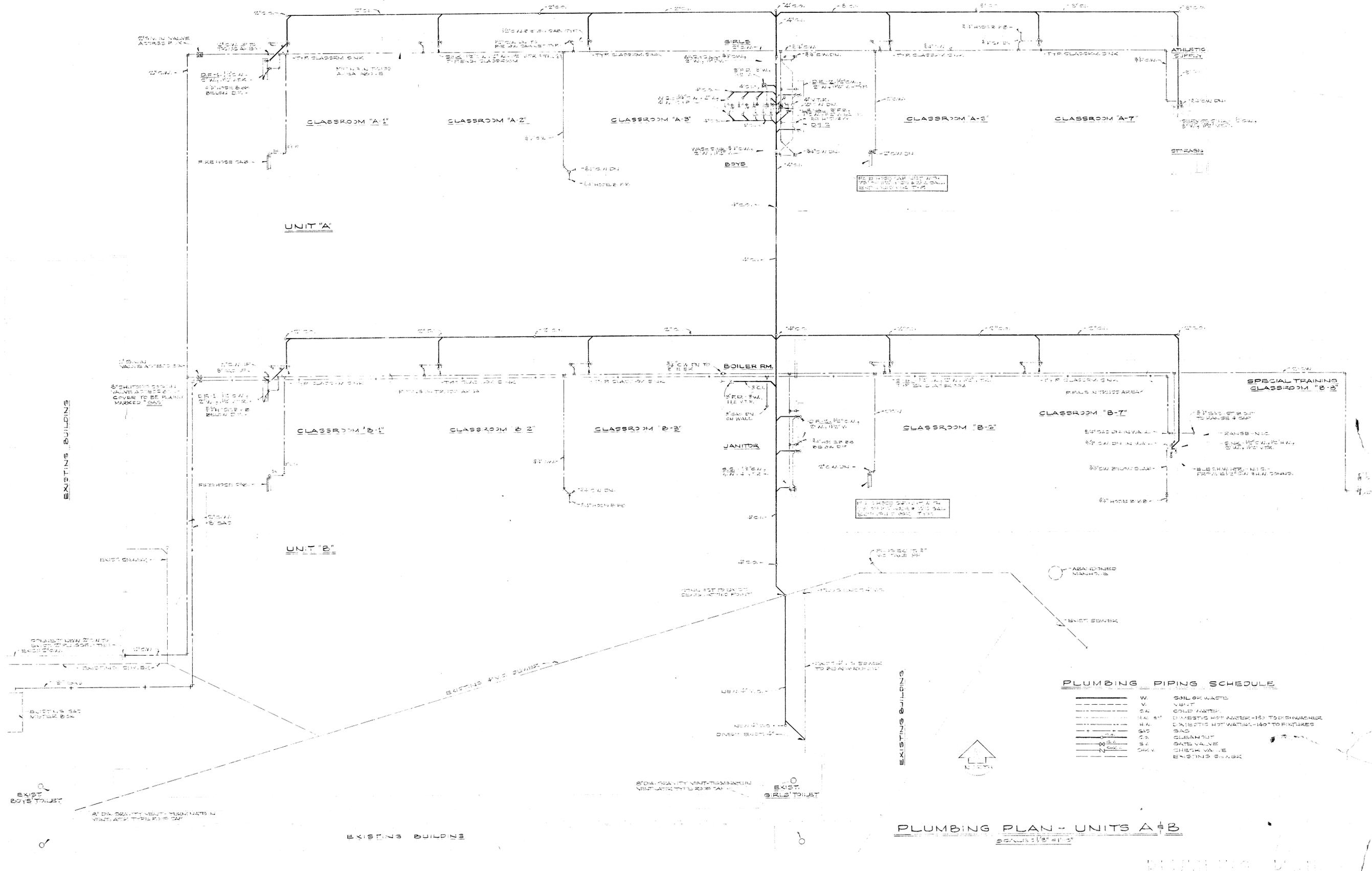


1587 <b>HILLMAN &amp; NOWELL</b> STRUCTURAL ENGINEERS ARCHITECTS BUILDING - LOS ANGELES 11		CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.		<b>COUNTY OF KERN</b> OFFICE OF SUPERINTENDENT OF SCHOOLS JESSE D. STOCKTON - SUPERINTENDENT		<b>STATE OF CALIFORNIA</b> DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE		<b>BAKERSFIELD CITY SCHOOLS</b> 1000 K. ST. BAKERSFIELD, CALIF.		<b>REHAB. OF HORACE MANN ELE-M. SCHOOL</b> BAKERSFIELD CITY SCHOOL DISTRICT BAKERSFIELD CALIFORNIA		DRAWN BY <b>T.G. Liba</b>
APPROVED DATE		APPROVED DATE		APPROVED DATE		APPROVED DATE		JOB NO. <b>57</b> <b>ERNEST L. M'COY A-I-A ARCHITECT</b> 129 HAY BLDG. BAKERSFIELD - CALIFORNIA		<b>S7</b> OF SHTS. DATE		



**FRAMING SECTIONS**

1597 HILLMAN & NOWELL STRUCTURAL ENGINEERS ARCHITECTS & ENGINEERS 1000 K ST. BAKERSFIELD, CALIF.	COUNTY OF KERN OFFICE OF SUPERINTENDENT OF SCHOOLS JESSE D. STOCKTON - SUPERINTENDENT	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	BAKERSFIELD CITY SCHOOLS 1000 K ST. BAKERSFIELD, CALIF. BOARD OF EDUCATION	REHAB. OF HORACE MANN ELEM. SCHOOL BAKERSFIELD CITY SCHOOL DISTRICT BAKERSFIELD CALIFORNIA	DRAWN BY T.G.B.
	APPROVED DATE	APPROVED DATE	APPROVED DATE	APPROVED DATE	JOB NO. <i>1000 K St. Bakersfield, Calif.</i> ERNEST L. MCGOY - A.I.A. ARCHITECT 129 HAY BLDG. BAKERSFIELD 1612 - 19th ST. CALIFORNIA



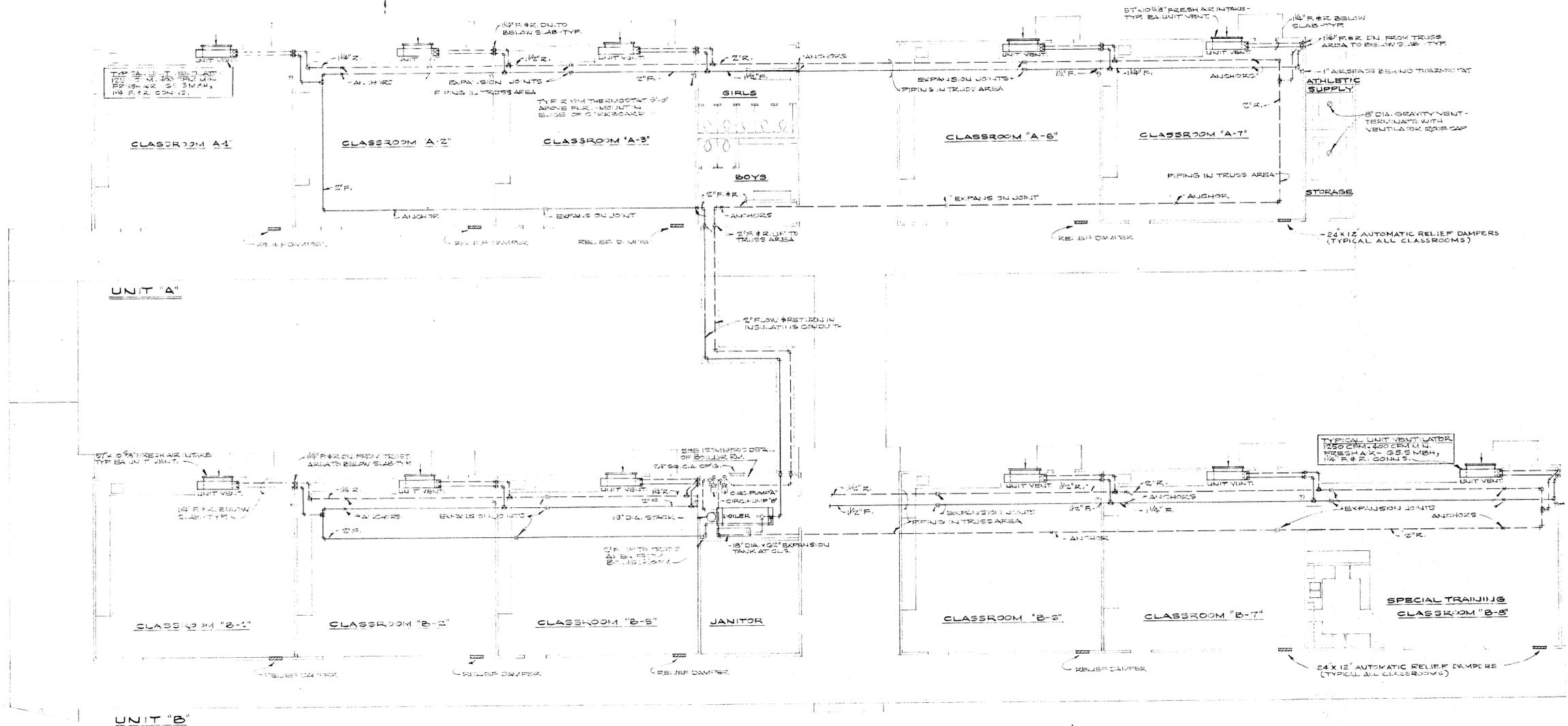
**PLUMBING PIPING SCHEDULE**

W	SOIL OR WASTE
V	VENT
CW	COLD WATER
H.W. 1/2"	DOMESTIC HOT WATER - 1/2" TO DISHWASHER
H.W. 3/4"	DOMESTIC HOT WATER - 3/4" TO FIXTURES
SAC	SANITARY AIR CAP
CS	CLEAN OUT
GV	GATE VALVE
CV	CHECK VALVE
ESB	EXISTING SEWER

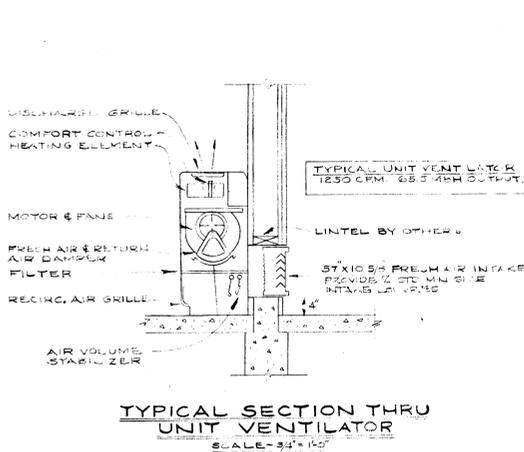
**PLUMBING PLAN - UNITS A & B**  
 5/24/51 (REV. 5/21/51)

CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT.

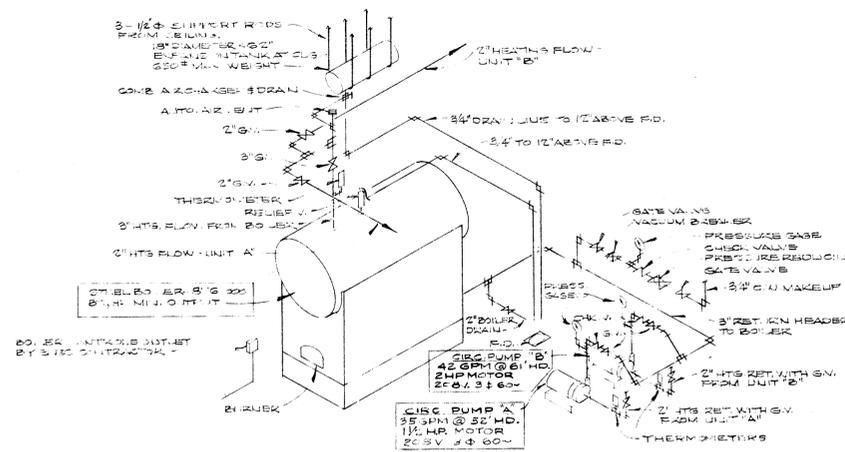
OFFICE OF SUPERINTENDENT OF SCHOOLS APPROVED _____ DATE _____	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPLICATION NO. APPROVED 1 SUPERVISING STRUCTURAL ENGINEER	BAKERSFIELD CITY SCHOOLS 1600 K ST. BAKERSFIELD, CALIF. BOARD OF EDUCATION	APPROVED _____ DATE _____	ADDITIONS & ALTERATIONS TO HORACE MANN ELEM. SCHOOL 2710 NILES STREET BAKERSFIELD, CALIFORNIA	C-335 JOB No. _____ ERNEST L. MCCOY, A.I.A., ARCHITECT 2811 H STREET BAKERSFIELD, CALIFORNIA	DATE _____ DRAWN _____ CHECKED _____ SHEET No. _____ OF _____
				M			



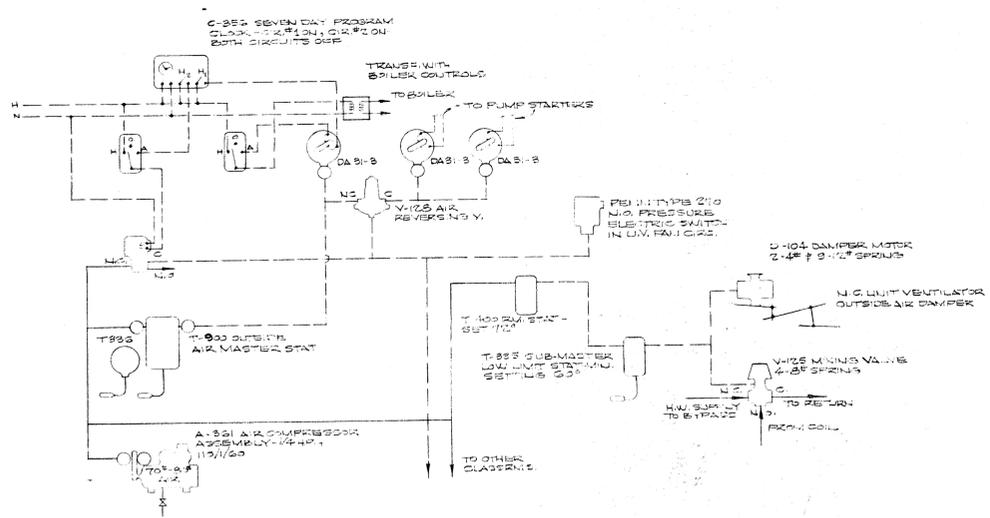
HEATING & VENTILATING PLAN - UNITS "A" & "B"  
SCALE: 1/8" = 1'-0"



TYPICAL SECTION THRU UNIT VENTILATOR  
SCALE: 3/4" = 1'-0"



BOILER ROOM PIPING DIAGRAM

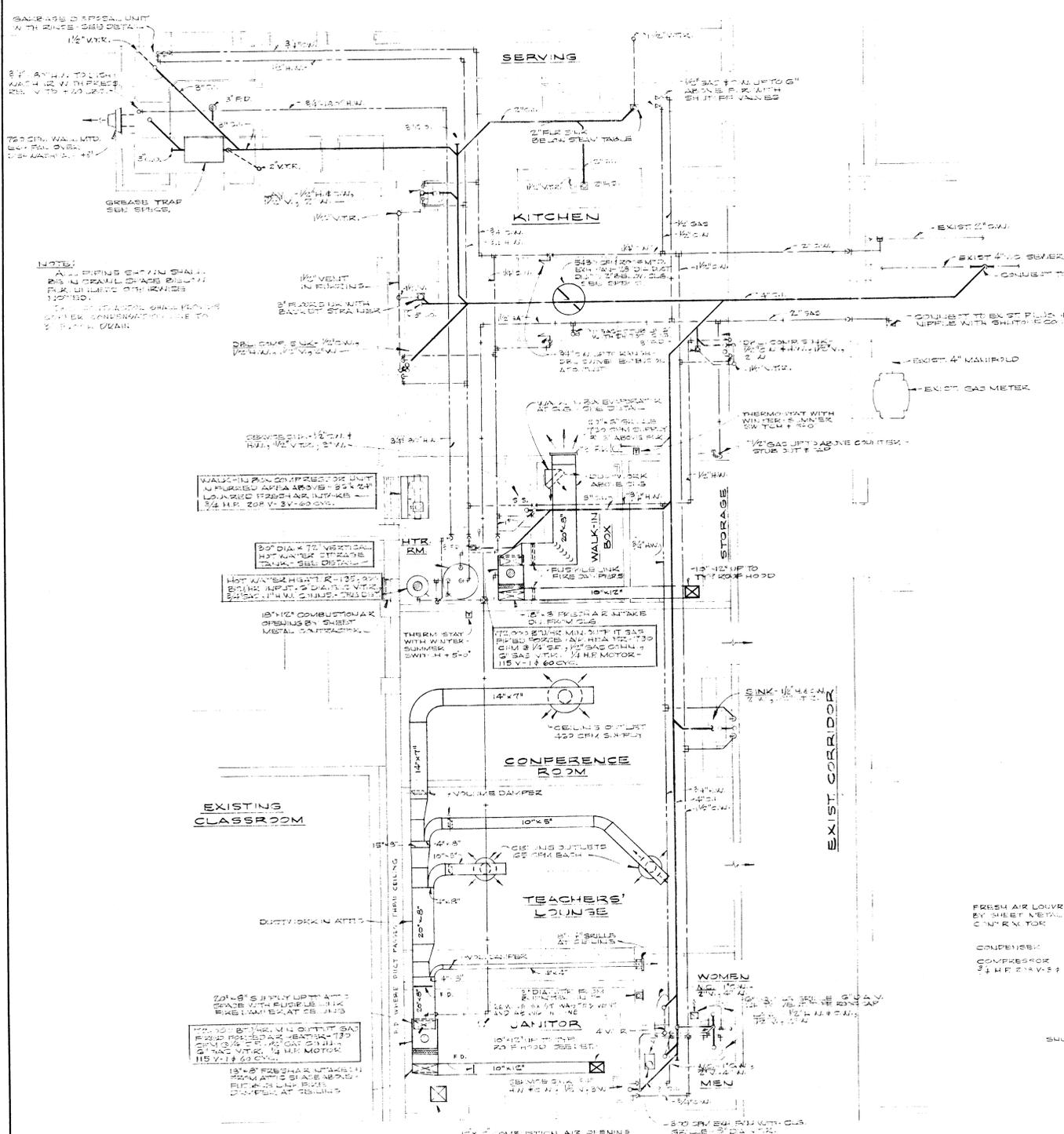


TYPICAL CONTROL DIAGRAM

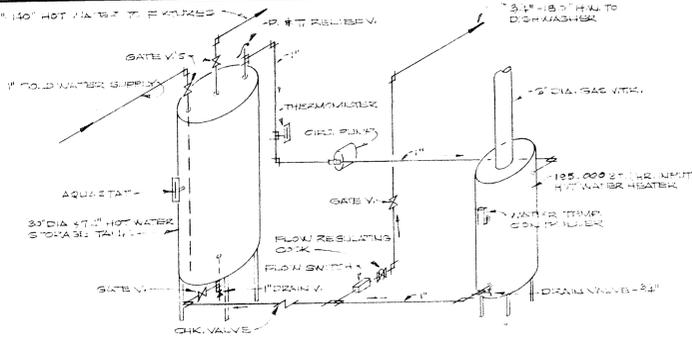
HEATING PLANS & DETAILS

W. A. STARR ARCHITECT 2110 N. BROADWAY BAKERSFIELD, CALIF. 93301		OFFICE OF SUPERINTENDENT OF SCHOOLS APPROVED: _____ DATE: _____	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	STATE OF CALIFORNIA—DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPLICATION NO. _____ APPROVED: _____ SUPERVISING STRUCTURAL ENGINEER	BAKERSFIELD CITY SCHOOLS 1800 K ST. BAKERSFIELD, CALIF. BOARD OF EDUCATION	APPROVED: _____ DATE: _____	ADDITIONS & ALTERATIONS TO HORACE MANN ELEM. SCHOOL 2710 NILES STREET BAKERSFIELD, CALIFORNIA	ERNEST L. McCOY A. I. A. ARCHITECT 8011 H STREET BAKERSFIELD	5-335 JOB NO. _____ PHONE 4-9851 CALIFORNIA	DATE: _____ DRAWN BY: KEJL CHECKED BY: _____ SHEET NO. <b>M2</b> OF 5
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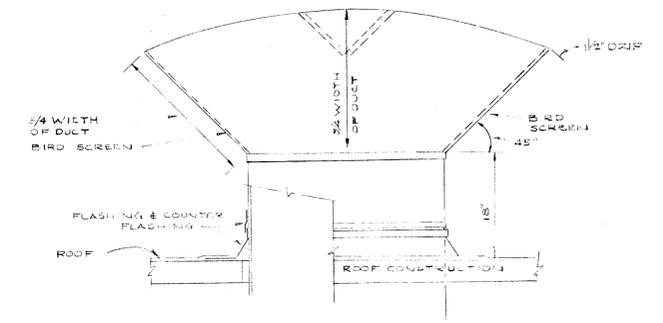
EXIST. CAFETERIUM



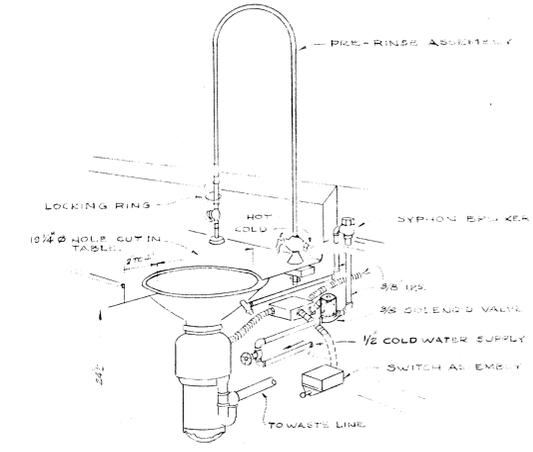
HEATING, VENTILATING & PLUMBING PLAN - UNIT C



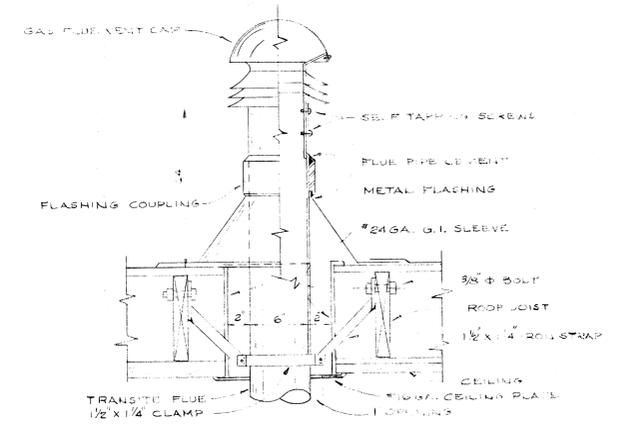
TYPICAL PIPING DIAGRAM HOT WATER HEATER NO SCALE



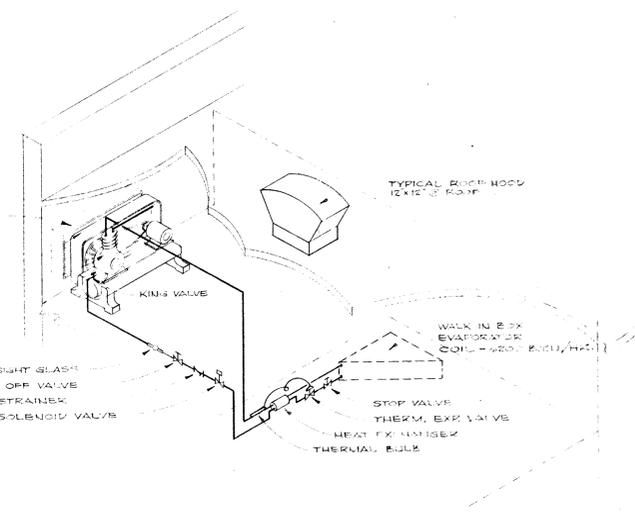
TYPICAL ROOF HOOD NO SCALE



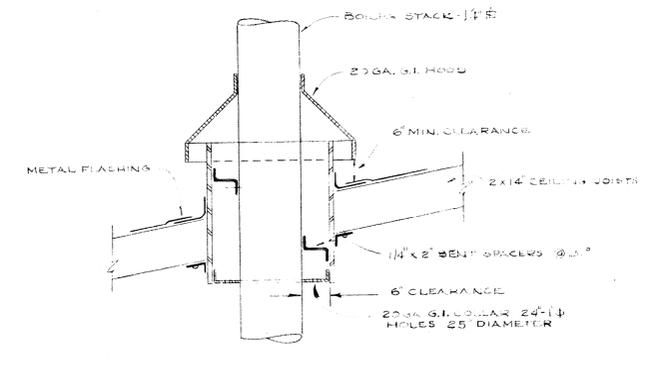
TYPICAL PIPING DIAGRAM GARBAGE DISPOSAL NO SCALE



TYPICAL HEATER VENT NO SCALE



REFRIGERANT PIPING DIAGRAM NO SCALE



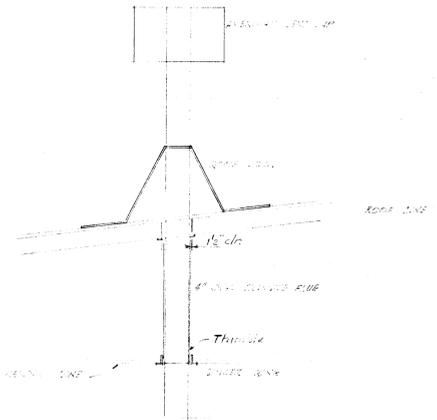
DETAIL OF BOILER STACK THIMBLE SCALE 1/2" = 1'-0"

CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT.

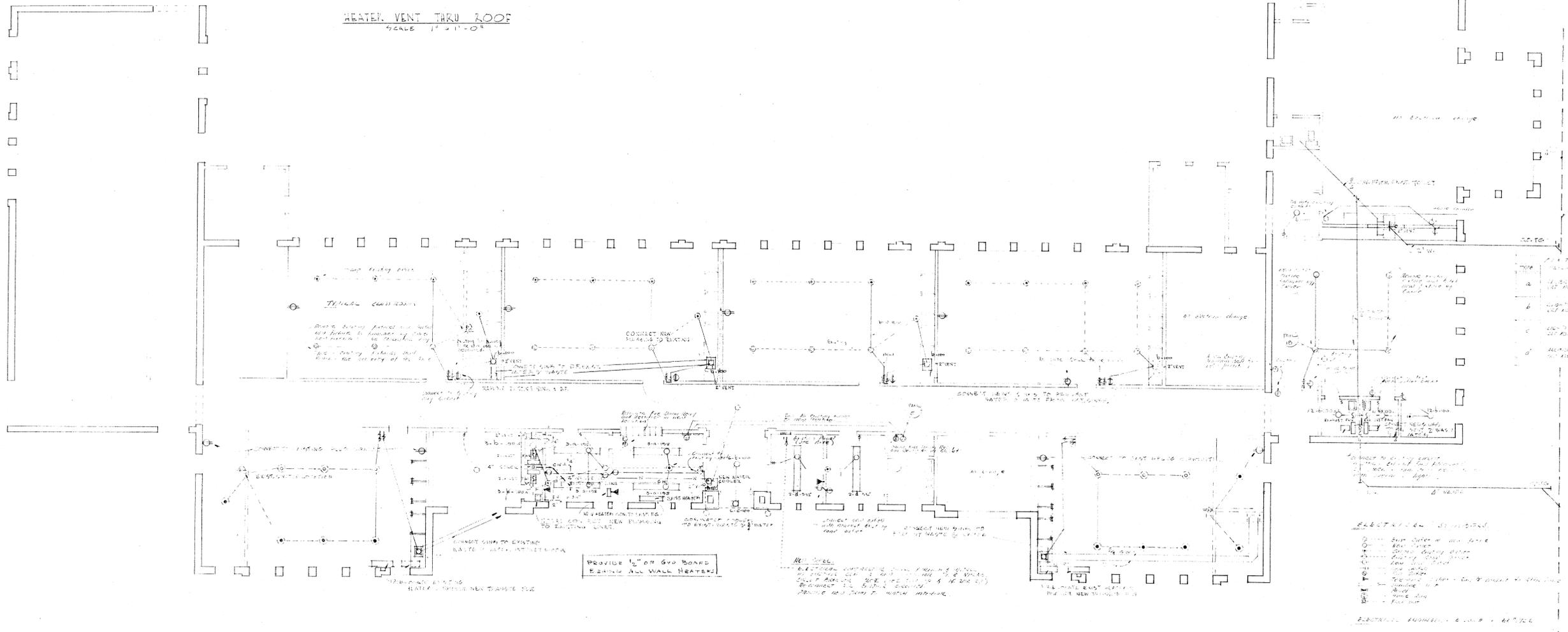
OFFICE OF SUPERINTENDENT OF SCHOOLS APPROVED _____ DATE _____	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPROVED _____ SUPERVISING STRUCTURAL ENGINEER	BAKERSFIELD CITY SCHOOLS 607 W. ST. BAKERSFIELD, CALIF. BOARD OF EDUCATION	APPROVED _____ DATE _____	ADDITIONS & ALTERATIONS TO: HORACE MANN ELEMENTARY SCHOOL 2711 E. STREET BAKERSFIELD, CALIFORNIA	0-335 JOB No. _____ ERNEST L. McCOY A.I.A. ARCHITECT 2011 H STREET BAKERSFIELD	DATE _____ DRAWN KEBBLE CHECKED _____ OF 3 SHEETS	<b>M-3</b>
			SHEET No. _____				

MECHANICAL DIVISION





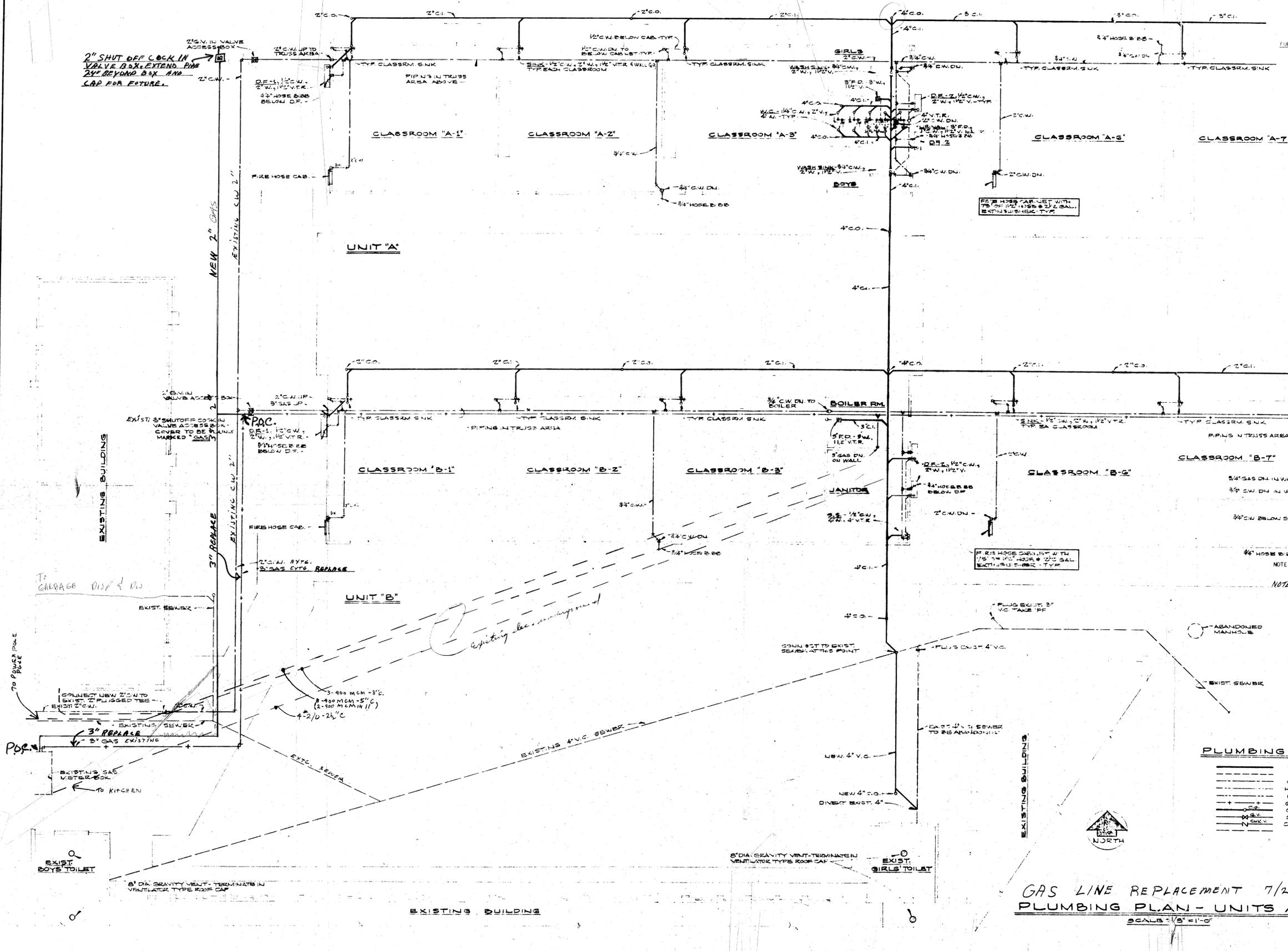
HEATER VENT THRU ROOF  
SCALE: 1/2" = 1'-0"



FLOOR PLAN OF PLUMBING & ELECTRICAL  
SCALE: 1/8" = 1'-0"

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO ARCHITECT.

COUNTY OF KERN OFFICE OF SUPERINTENDENT OF SCHOOLS JESSE D. STOCKTON - SUPERINTENDENT	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE	BAKERSFIELD CITY SCHOOLS 1600K ST BAKERSFIELD CALIF. BOARD OF EDUCATION	REAR OF HORACE MANN ELEM. SCH. BAKERSFIELD CITY SCHOOL DIST. BAKERSFIELD CALIFORNIA	DRAWN BY 
APPROVED _____ DATE _____	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPLICATION NO. _____ APPROVED _____ SUPERVISING STRUCTURAL ENGINEER	APPROVED _____ DATE _____ _____	JOB NO. _____ ERNEST L. M'COY - A-I-A- ARCHITECT 129 HAY BLDG. 1612 - 19th ST. BAKERSFIELD CALIFORNIA	OF SHTS. _____ DATE _____



- FUEL GAS SYSTEM**
- A. Materials:**
- (1) All gas lines shall be Schedule 40 weight black steel pipe with screwed or all welded fittings. Piping 3" and longer in size shall be of all welded construction using Schedule 40 forged steel weld fittings.
  - (2) Fittings: Tub Turn or Elbow fittings shall be used for all welded connections. Black malleable, bonded 150 pound fittings for screwed connections.
  - (3) Pipe Protection: See Paragraph "C" (below)
  - (4) Gas Valves: Shall be square head brass cocks with check, Crane #254 or equal, for sizes up to and including 1 1/2" and 175 pound fabricated plug valves, Waltham #1796, Mercus-Nordstrom #142, American Car and Foundry #1430 for sizes 2" and over. Furnish each valve with operating wrench with extension handle for underground valves.
  - (5) Unions:
    - (a) Threaded Pipe - Right and left couplings. (No unions shall be used in fuel gas lines except ground joint unions may be used at appliance or fixture connections).
    - (b) Welded Pipe - Tube Turn 1 1/2" W.P.F. flanges.
  - (6) Joints:
    - (a) Threaded Pipe - Approved compound.
  - (7) Sleeves for Gas Piping: Run on drawings and/or as required by code, under walks, covered passages, building or other structures shall be terra-cotta or fiber. Where caulking is required to prevent seepage, they shall be black steel pipe.
  - (8) Yard Boxes: See Paragraph "B" (below)
  - (9) Escutcheons: Chrome plated, brass, Crane No. 13-BC with set screws.
- B. YARD BOXES**
- (1) Where yard boxes are called for, and unless otherwise specified, they shall be made of concrete, approximately 12" wide, 18" long and 12" deep, or larger (outside dimensions), as required. Where necessary, yard boxes shall have extension. Each water valve, gas cock and sewer cleanout to grade shall be provided with a precast concrete access box with cast iron cover equal to Brooks Products, Inc. Model 3RT, 12" minimum diameter with "sewer," "water," "gas" identification cast into iron coverplate.
  - (2) Covers for Yard Boxes Over Shut-Off Valves shall be equipped with self-closing checkered cast iron lids fitted to the concrete box. Covers shall be suitably marked with 1" minimum letters.
  - (3) Yard boxes shall be of sufficient size to provide not less than 11" clearance on all sides of valves, valve hand wheels, locks, or other equipment installed therein.
  - (4) Yard boxes shall be set flush with finished grade.
- C. UNDERGROUND PIPE PROTECTION**
- (1) All buried black and/or galvanized steel pipe shall be machine wrapped with a single wrap (at least 3" minimum overlap) of 20 mil thick Johns-Manville "Printed Taper" Aramid, DuPont #410-20 or Scotchgard #52. Fittings shall be hand wrapped with the same materials as used for straight pipe, except that if tape is used, the fittings shall have a double wrap of 10 mil thickness tape. At the Contractor's option, the pipe may be protected with "X-Tru-Cast" brand continuously extruded polyethylene coating. Fittings shall be protected with primer and plastic or tape as specified above.
- NOTE: Contractor shall saw-cut all concrete and blacktop and repair all paving disturbed by his work.
- NOTE: SPECIAL CARE SHALL BE TAKEN WHEN TRENCHING TO AVOID BURIED PIPE. CONTRACTOR WILL BE HELD RESPONSIBLE FOR DAMAGE.

**PLUMBING PIPING SCHEDULE**

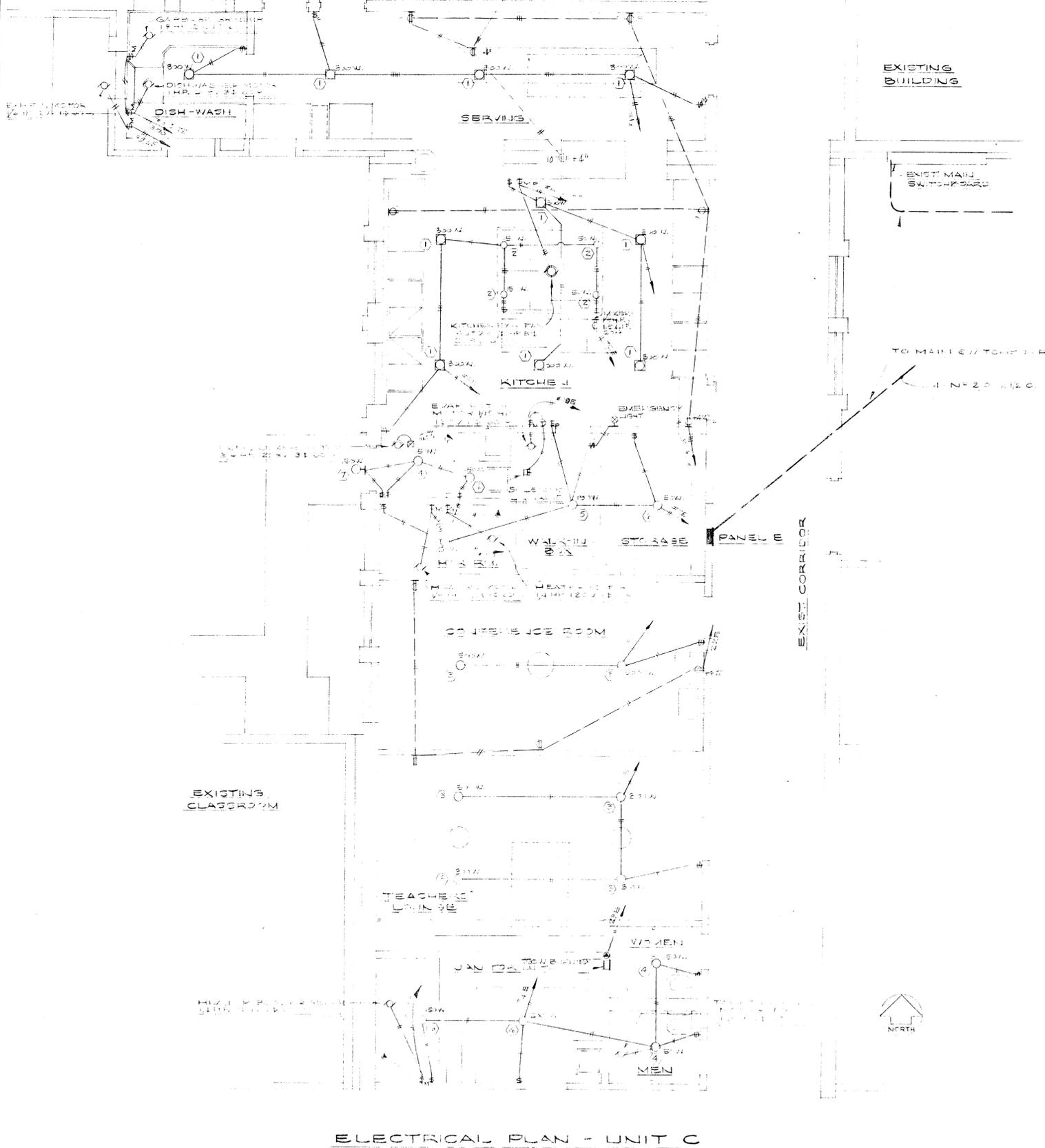
W.	SOIL OR WASTE
V.	VENT
C.W.	COLD WATER
H.W. 180°	DOMESTIC HOT WATER - 180° TO DISHWASHER
H.W. 140°	DOMESTIC HOT WATER - 140° TO FIXTURES
+	CLEANOUT
G.S.	GAS
C.O.	CHECK VALVE
S.V.	SHUT-OFF VALVE
CHK.V.	EXISTING SEWER

GAS LINE REPLACEMENT 7/20/71  
PLUMBING PLAN - UNITS A & B  
SCALE: 1/8" = 1'-0"

Installed - Summer 1971  
Bundlesh Plumbing

CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT.

OFFICE OF SUPERINTENDENT OF SCHOOLS APPROVED DATE: _____	STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS DIVISION OF ARCHITECTURE APPROVED: _____ SUPERVISING STRUCTURAL ENGINEER	BAKERSFIELD CITY SCHOOLS 1600 K ST. BAKERSFIELD, CALIF. BOARD OF EDUCATION	APPROVED: _____ DATE: _____	ADDITIONS & ALTERATIONS TO HORACE MANN ELEM. SCHOOL 2710 NILES STREET BAKERSFIELD, CALIFORNIA	ERNEST L. MCCOY A.I.A. ARCHITECT 8111 N STREET BAKERSFIELD	(532) JOB NO. _____ DATE 7/14/71 DRAWN KESLEY CHECKED _____ SHEET _____ OF _____
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ELECTRICAL PLAN - UNIT C

LOC.	CIR.	OUTLETS	WATTS	WIRE SIZE	BREAKER
1	2	1	1500	12	15
2	2	2	1500	12	15
3	2	2	1500	12	15
4	2	2	1500	12	15
5	2	2	1500	12	15
6	2	2	1500	12	15
7	2	2	1500	12	15
8	2	2	1500	12	15
9	2	2	1500	12	15
10	2	2	1500	12	15
11	2	2	1500	12	15
12	2	2	1500	12	15
13	2	2	1500	12	15
14	2	2	1500	12	15
15	2	2	1500	12	15
16	2	2	1500	12	15
TOTALS			12,500		

LOAD = 21,700 VA = 103 AMP.  
FEEDER - 2" x 1" x 1/2"  
BREAKER - 100A 2P NCU-UTG

LOC.	CIR.	OUTLETS	WATTS	WIRE SIZE	BREAKER
1	2	1	1500	12	15
2	2	2	1500	12	15
3	2	2	1500	12	15
4	2	2	1500	12	15
5	2	2	1500	12	15
6	2	2	1500	12	15
7	2	2	1500	12	15
8	2	2	1500	12	15
9	2	2	1500	12	15
10	2	2	1500	12	15
11	2	2	1500	12	15
12	2	2	1500	12	15
13	2	2	1500	12	15
14	2	2	1500	12	15
15	2	2	1500	12	15
16	2	2	1500	12	15
17	2	2	1500	12	15
18	2	2	1500	12	15
19	2	2	1500	12	15
20	2	2	1500	12	15
TOTALS			12,500		

LOAD = 21,700 VA = 103 AMP.  
FEEDER - 2" x 1" x 1/2"  
BREAKER - 100A 2P NCU-UTG

LOC.	CIR.	OUTLETS	WATTS	WIRE SIZE	BREAKER
1	2	1	1500	12	15
2	2	2	1500	12	15
3	2	2	1500	12	15
4	2	2	1500	12	15
5	2	2	1500	12	15
6	2	2	1500	12	15
7	2	2	1500	12	15
8	2	2	1500	12	15
9	2	2	1500	12	15
10	2	2	1500	12	15
11	2	2	1500	12	15
12	2	2	1500	12	15
13	2	2	1500	12	15
14	2	2	1500	12	15
15	2	2	1500	12	15
16	2	2	1500	12	15
17	2	2	1500	12	15
18	2	2	1500	12	15
19	2	2	1500	12	15
20	2	2	1500	12	15
TOTALS			12,500		

LOAD = 21,700 VA = 103 AMP.  
FEEDER - 2" x 1" x 1/2"  
BREAKER - 100A 2P NCU-UTG

PANEL D

LOC.	CIR.	OUTLETS	WATTS	WIRE SIZE	BREAKER
1	2	1	1500	12	15
2	2	2	1500	12	15
3	2	2	1500	12	15
4	2	2	1500	12	15
5	2	2	1500	12	15
6	2	2	1500	12	15
7	2	2	1500	12	15
8	2	2	1500	12	15
9	2	2	1500	12	15
10	2	2	1500	12	15
11	2	2	1500	12	15
12	2	2	1500	12	15
13	2	2	1500	12	15
14	2	2	1500	12	15
15	2	2	1500	12	15
16	2	2	1500	12	15
17	2	2	1500	12	15
18	2	2	1500	12	15
19	2	2	1500	12	15
20	2	2	1500	12	15
TOTALS			12,500		

LOAD = 21,700 VA = 103 AMP.  
FEEDER - 2" x 1" x 1/2"  
BREAKER - 100A 2P NCU-UTG

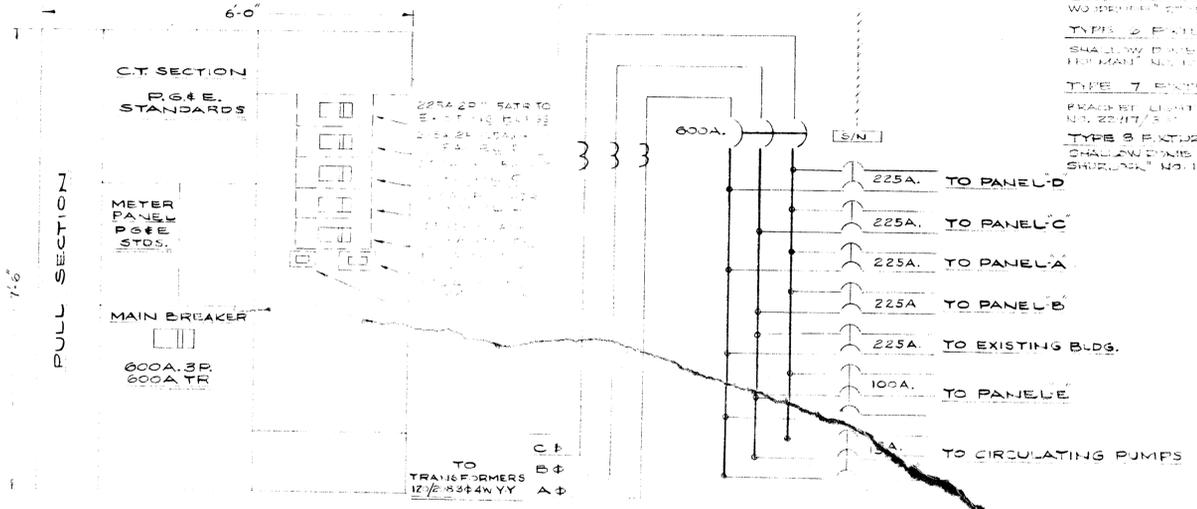
PANEL E

LOC.	CIR.	OUTLETS	WATTS	WIRE SIZE	BREAKER
1	2	1	1500	12	15
2	2	2	1500	12	15
3	2	2	1500	12	15
4	2	2	1500	12	15
5	2	2	1500	12	15
6	2	2	1500	12	15
7	2	2	1500	12	15
8	2	2	1500	12	15
9	2	2	1500	12	15
10	2	2	1500	12	15
11	2	2	1500	12	15
12	2	2	1500	12	15
13	2	2	1500	12	15
14	2	2	1500	12	15
15	2	2	1500	12	15
16	2	2	1500	12	15
17	2	2	1500	12	15
18	2	2	1500	12	15
19	2	2	1500	12	15
20	2	2	1500	12	15
TOTALS			12,500		

LOAD = 21,700 VA = 103 AMP.  
FEEDER - 2" x 1" x 1/2"  
BREAKER - 100A 2P NCU-UTG

FIXTURE SCHEDULE

- TYPE 1 FIXTURE:**  
SHALL BE RECESSED UNITS WITH 6" DIA. LENS, BRASS OR ALUMINUM PLASTER FINISH AND 1/2" DIA. BULB. SHALL BE 15" SQUARE. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM.
- TYPE 2 FIXTURE:**  
SHALL BE 15" SQUARE UNITS WITH 6" DIA. LENS AND GUARD. THIS UNIT SHALL HAVE 1/2" DIA. BULB. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM.
- TYPE 3 FIXTURE:**  
SHALL BE 15" SQUARE UNITS WITH 6" DIA. LENS AND GUARD. THIS UNIT SHALL HAVE 1/2" DIA. BULB. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM.
- TYPE 4 FIXTURE:**  
SHALL BE 15" SQUARE UNITS WITH 6" DIA. LENS AND GUARD. THIS UNIT SHALL HAVE 1/2" DIA. BULB. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM.
- TYPE 5 FIXTURE:**  
SHALL BE 15" SQUARE UNITS WITH 6" DIA. LENS AND GUARD. THIS UNIT SHALL HAVE 1/2" DIA. BULB. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM.
- TYPE 6 FIXTURE:**  
SHALL BE 15" SQUARE UNITS WITH 6" DIA. LENS AND GUARD. THIS UNIT SHALL HAVE 1/2" DIA. BULB. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM.
- TYPE 7 FIXTURE:**  
SHALL BE 15" SQUARE UNITS WITH 6" DIA. LENS AND GUARD. THIS UNIT SHALL HAVE 1/2" DIA. BULB. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM.
- TYPE 8 FIXTURE:**  
SHALL BE 15" SQUARE UNITS WITH 6" DIA. LENS AND GUARD. THIS UNIT SHALL HAVE 1/2" DIA. BULB. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM. SHALL BE FINISHED IN BRASS OR ALUMINUM.



MAIN SWITCHBOARD

BUS DIAGRAM

OFFICE OF SUPERINTENDENT OF SCHOOLS  
APPROVED DATE

STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF ARCHITECTURE

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC WORKS  
DIVISION OF ARCHITECTURE  
APPROVED DATE

BAKERSFIELD CITY SCHOOLS  
1270 K ST. BAKERSFIELD, CALIF.  
BOARD OF EDUCATION

APPROVED DATE

ADDITIONS & ALTERATIONS TO  
HORACE MANN S.E.M. SCHOOL  
270 NILES STREET  
BAKERSFIELD, CALIFORNIA

C-335  
DATE  
DRAWN  
CHECKED  
ERNEST L.  
2811 H STREET  
BAKERSFIELD

CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE BEFORE PROCEEDING WITH THE WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT.