

ABBREVIATIONS

NOTE: ABBREVIATIONS SHOWN ARE STANDARDS AND MAY OR MAY NOT BE USED IN THIS SET.

Table of abbreviations for architectural and mechanical components. Includes categories like ARND (AROUND), EQPT (EQUIPMENT), MISC (MISCELLANEOUS), and T (TREAD).

HORACE MANN MODERNIZATION BAKERSFIELD CITY SCHOOL DISTRICT Bakersfield, California

SHEET INDEX

Table listing architectural sheets including A-1 (TITLE SHEET), A-14 (REFLECTED CEILING PLAN), A-15 (INTERIOR ELEVATIONS), and A-17 (DEMOLITION PLAN).

GENERAL NOTES

CONTRACTOR SHALL VERIFY AT SITE ALL EXISTING CONDITIONS... ALL WORK SHALL BE IN ACCORDANCE WITH TITLE 21 & 24 CALIFORNIA ADMINISTRATION CODE & UNIFORM BUILDING CODE 1979.

SYMBOL LEGEND

Table defining symbols for section letters, room identification, detail sheets, door numbers, window letters, cabinet section cuts, match lines, and key notes.

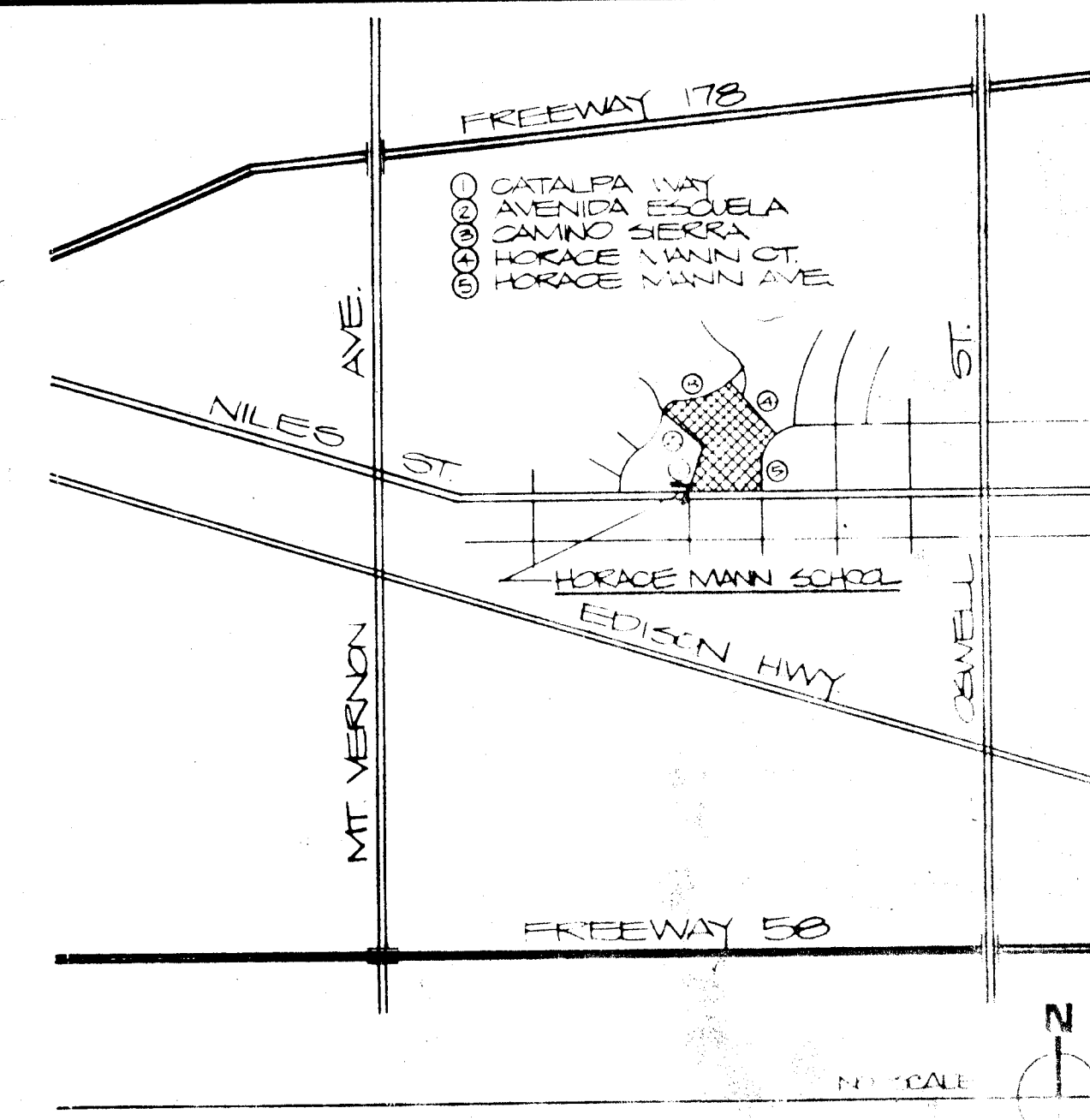
BUILDING DATA

Table of applicable codes (TITLE 24 CAC, UNIFORM BUILDING CODE 1979 ED (OSA), TITLE 21 CAC) and building data table with columns for Building No, Occupancy, Area, and Height.

CONSULTANTS

- structural: JOHN Q FORESTELLE 920 Wible Rd., Bakersfield, CA. mechanical: DONALD R LAWRENCE & ASSOC. electrical: INTERSTATE ENGINEERING.

VICINITY MAP



OLA APPLICATION # 77/...

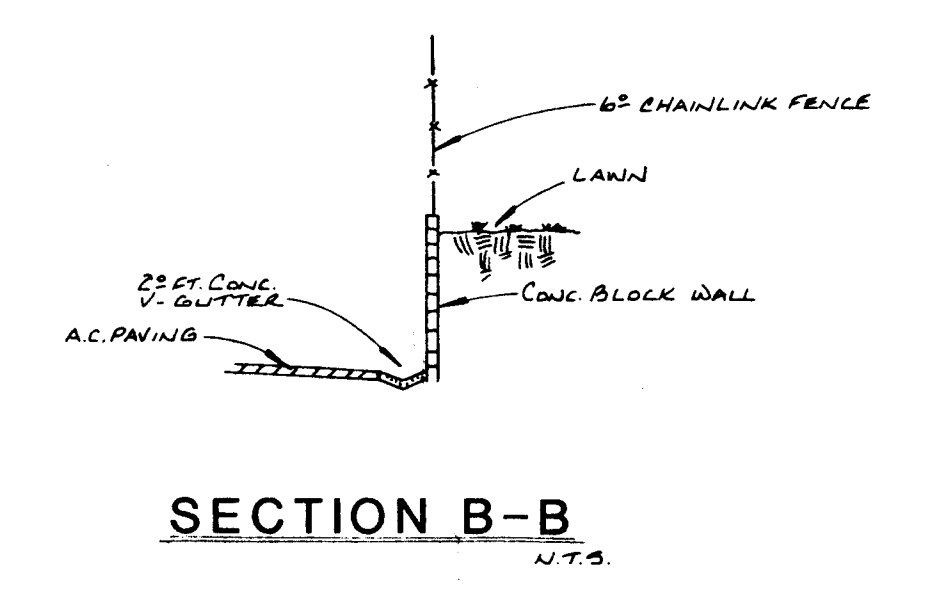
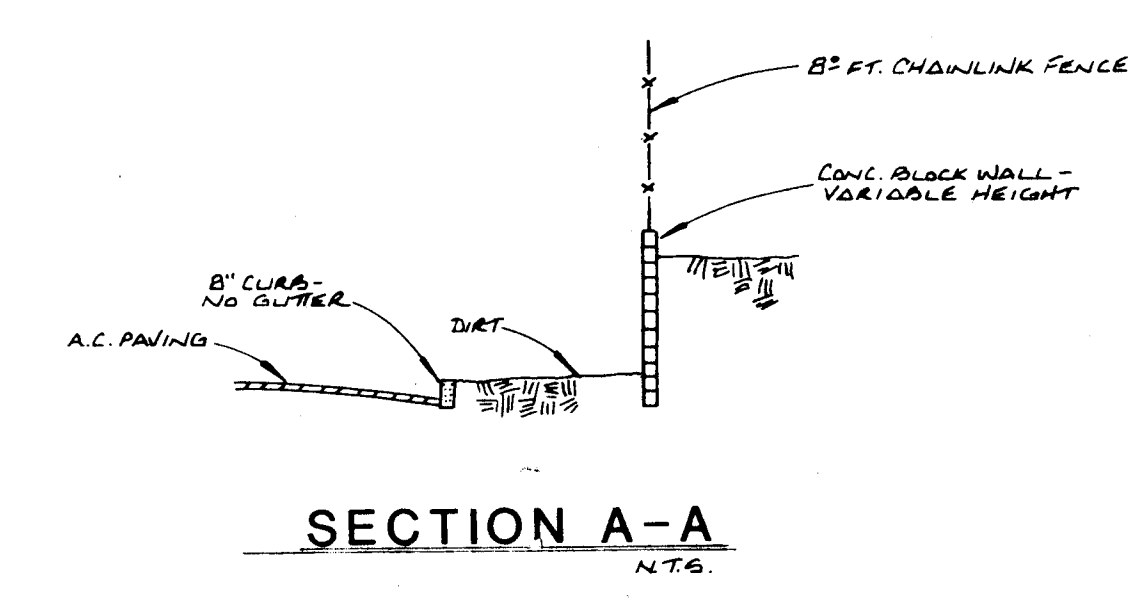
TITLE SHEET HORACE MANN MODERNIZATION BAKERSFIELD CITY SCHOOL DISTRICT 2710 NILES BAKERSFIELD, CA

bfgc inc. architects planners 31 south west road box 9548 bakersfield california 93309 805 832 8122

C - 3289 C - 3132 C - 6564 DF CRITTMER

Architects bfgc inc.

- LEGEND**
- T.C. TOP CURB (OR TOP OF CONCRETE)
 - F. FLOWLINE
 - E.P. EDGE OF PAVEMENT
 - CONCRETE SURFACING
 - W.V. WATER VALVE
 - F.F. FINISH FLOOR
 - U.G. UNDERGROUND
 - O.H. ROOF OVER-HANG LINE



NOTE

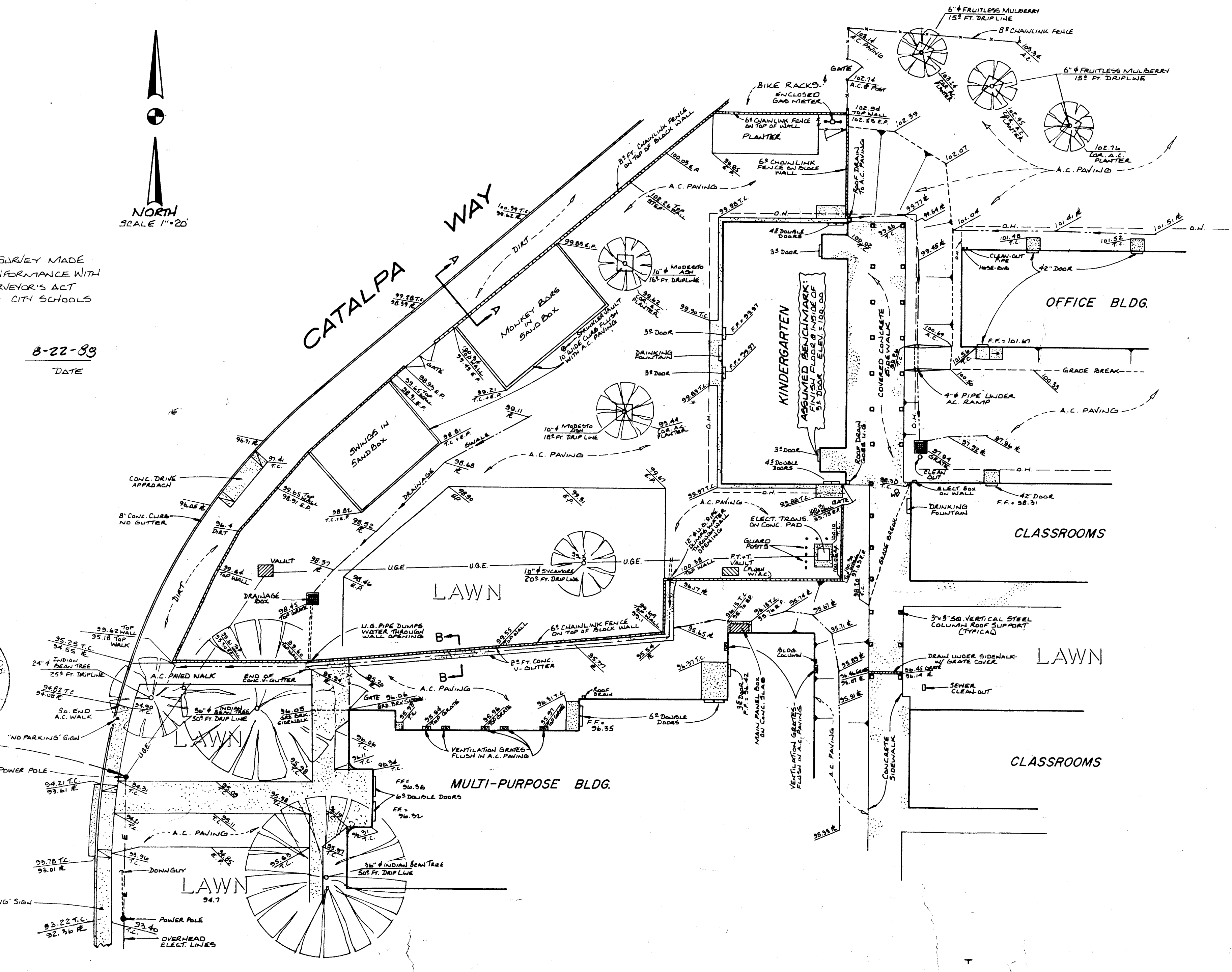
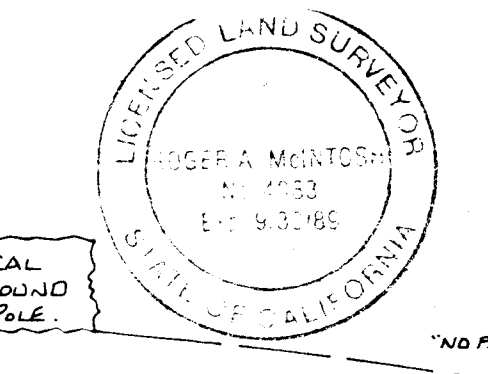
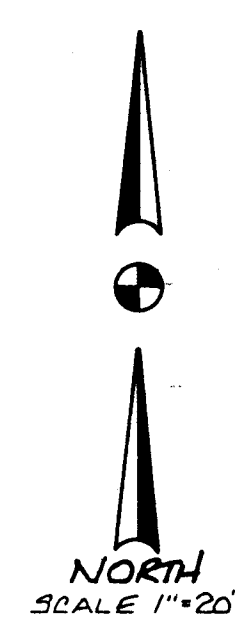
NOT ALL UNDERGROUND FACILITIES OR UTILITIES WERE LOCATED ON THIS PLAN AND THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR UNDERGROUND FACILITIES NOT SHOWN OR FROM INFORMATION OBTAINED FROM OUTSIDE SOURCES.

ADDITIONAL TPO FOR NEW LOCATION OF CHILLER YARD PLOTTED AUGUST 22, 1988. (WEST SIDE OF MULTI-PURPOSE BUILDING)

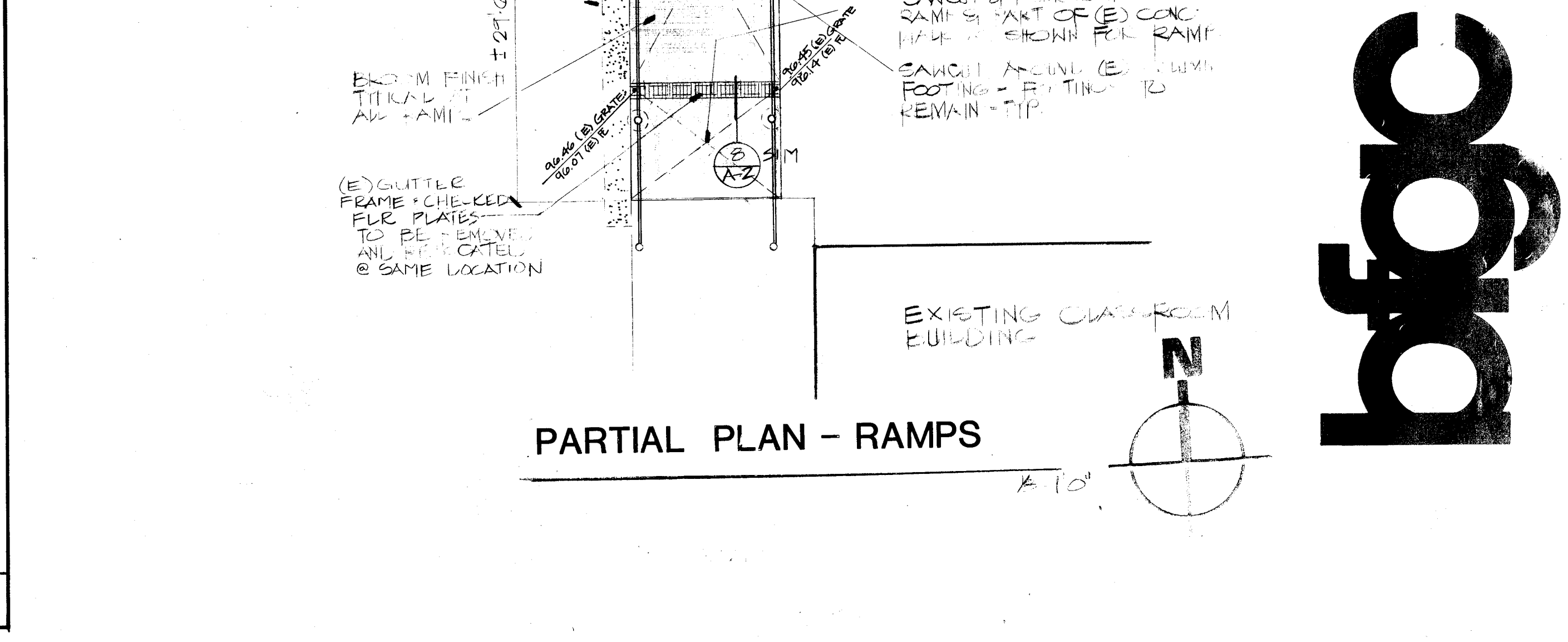
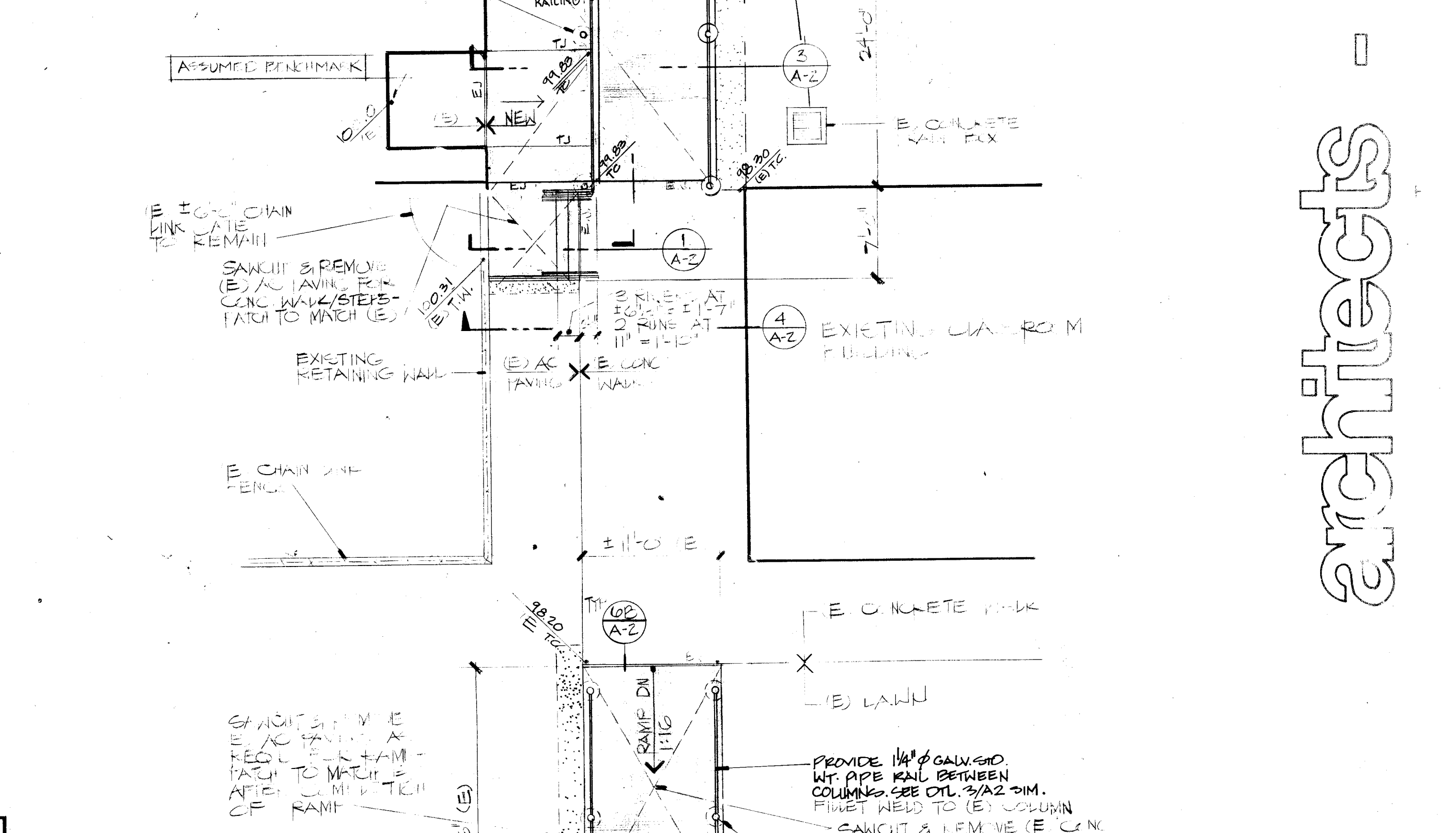
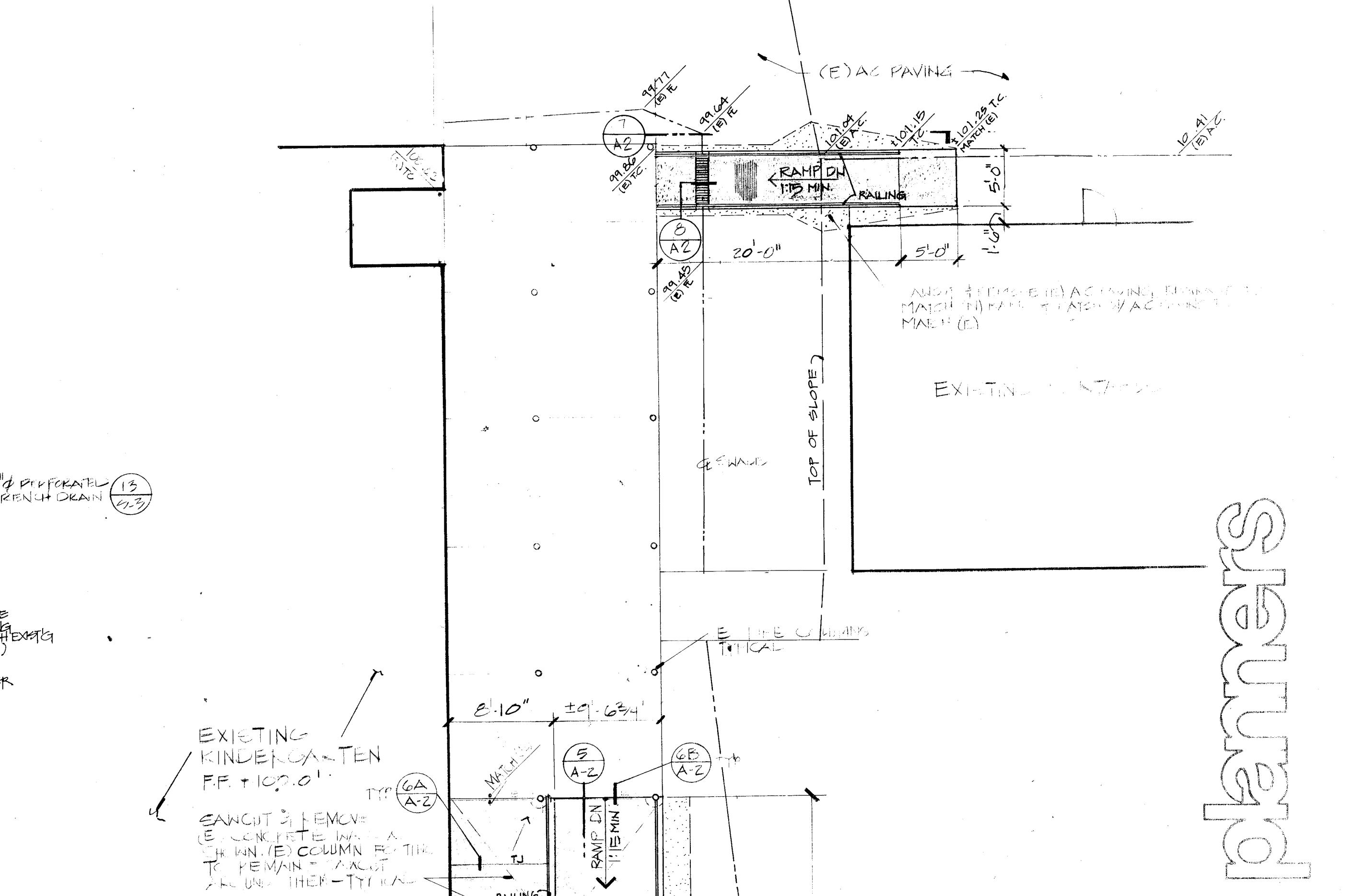
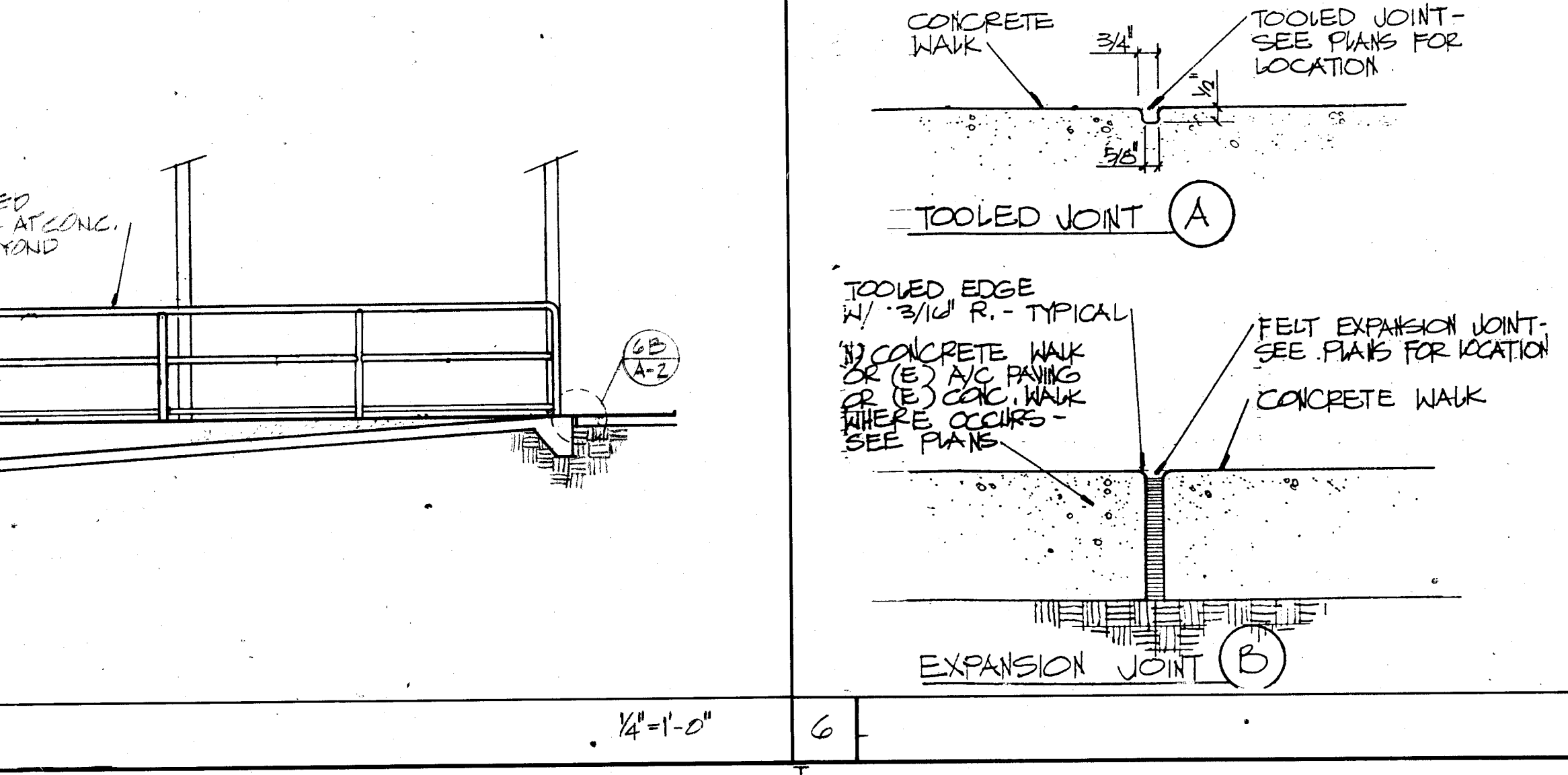
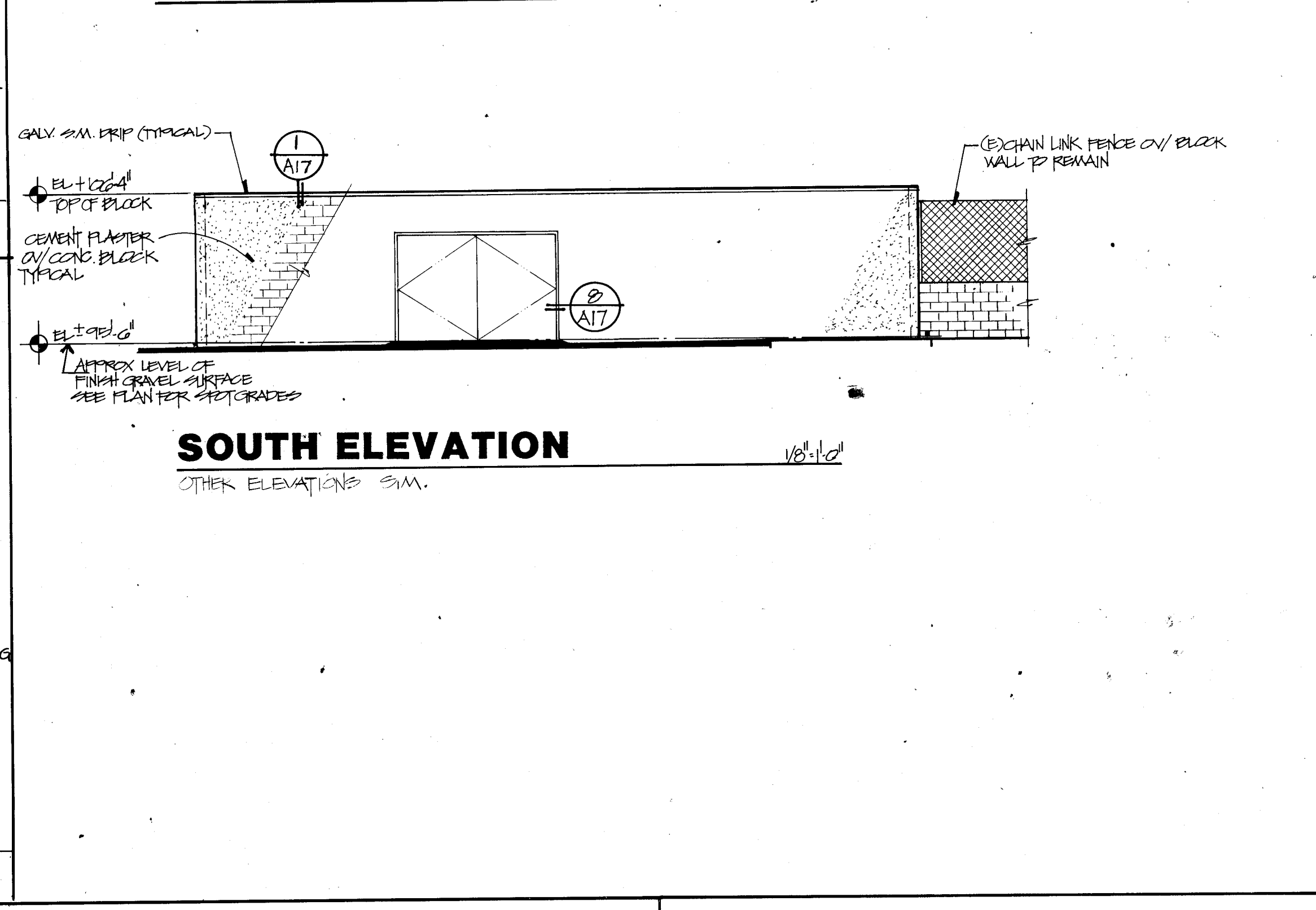
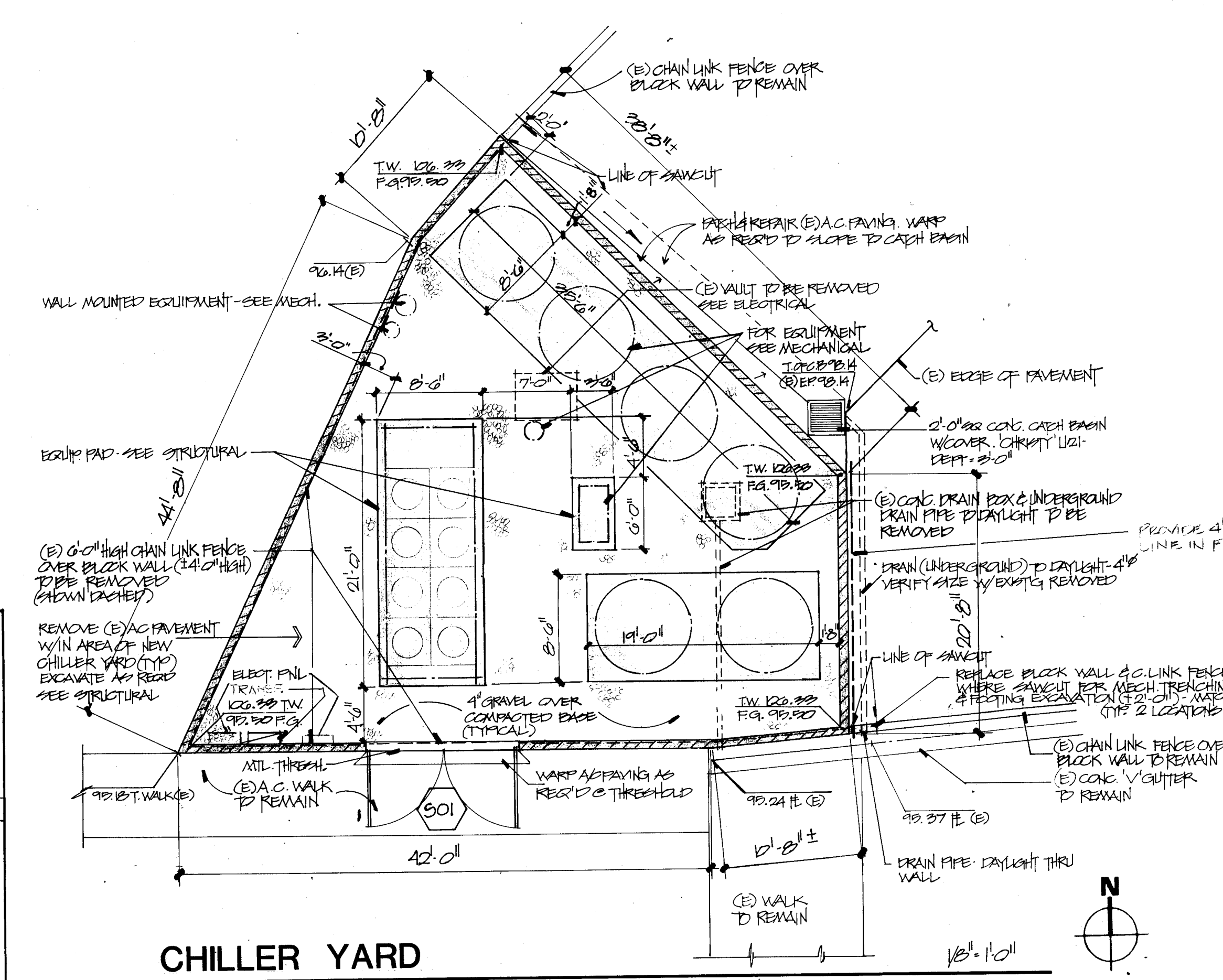
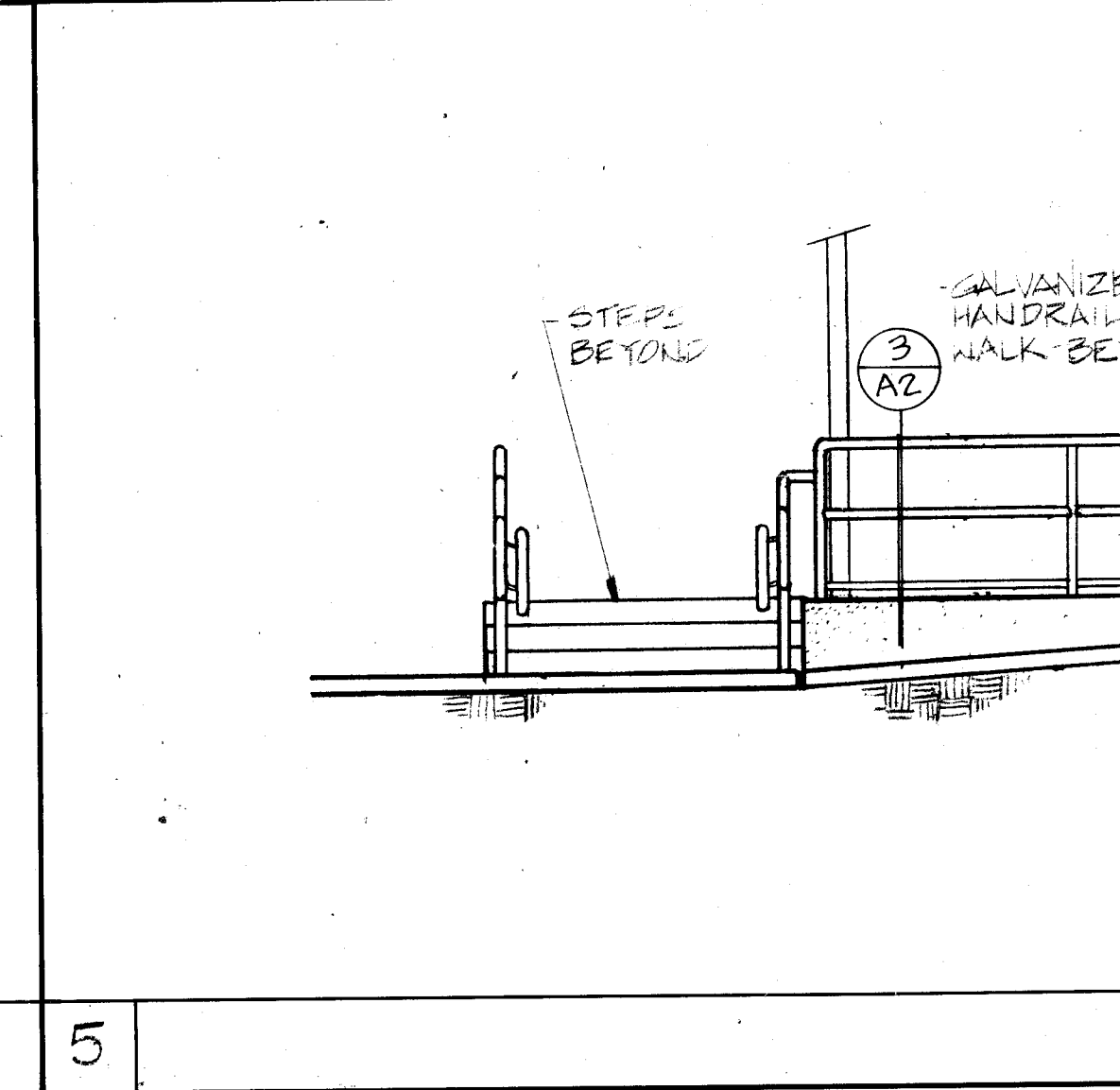
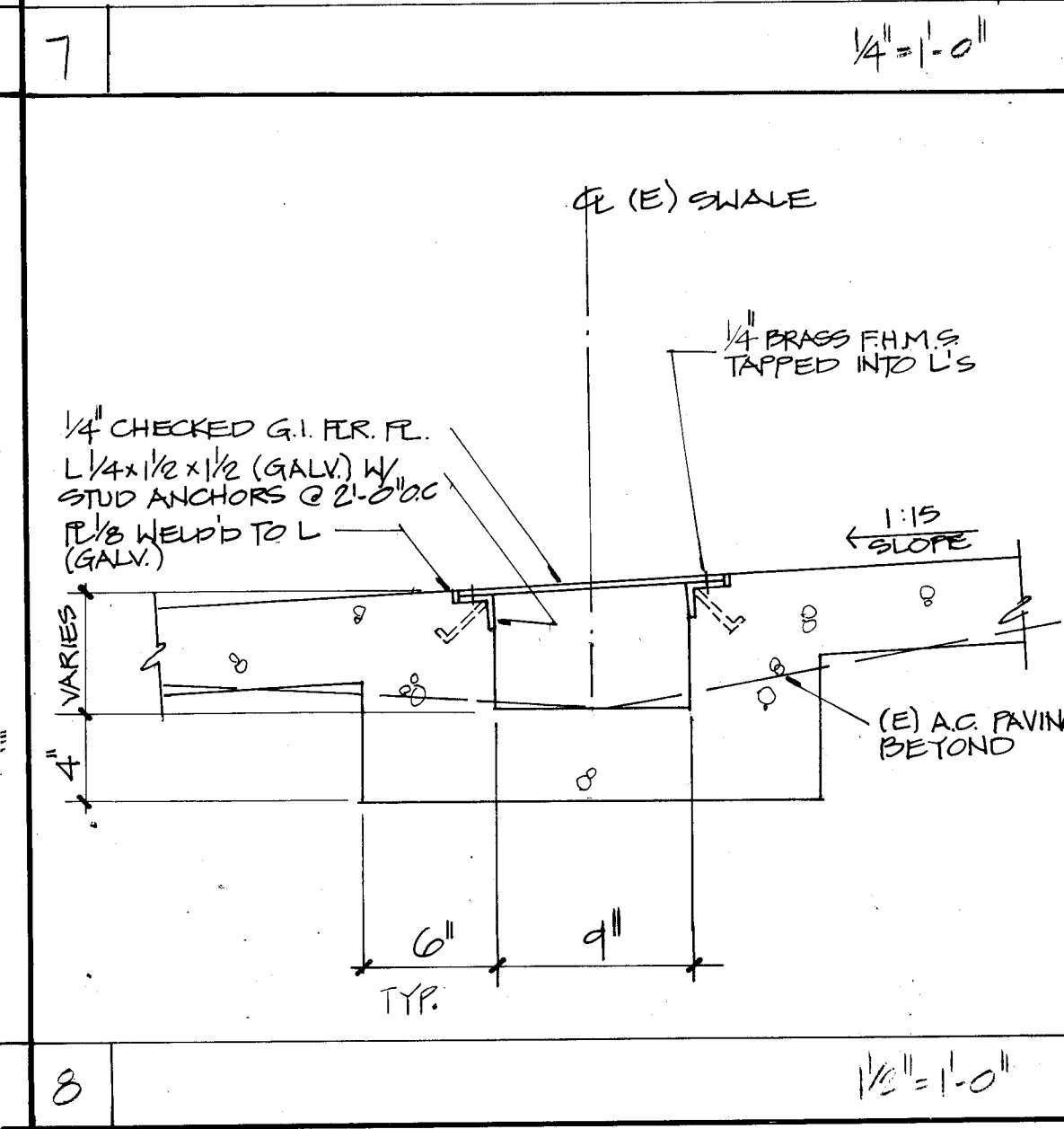
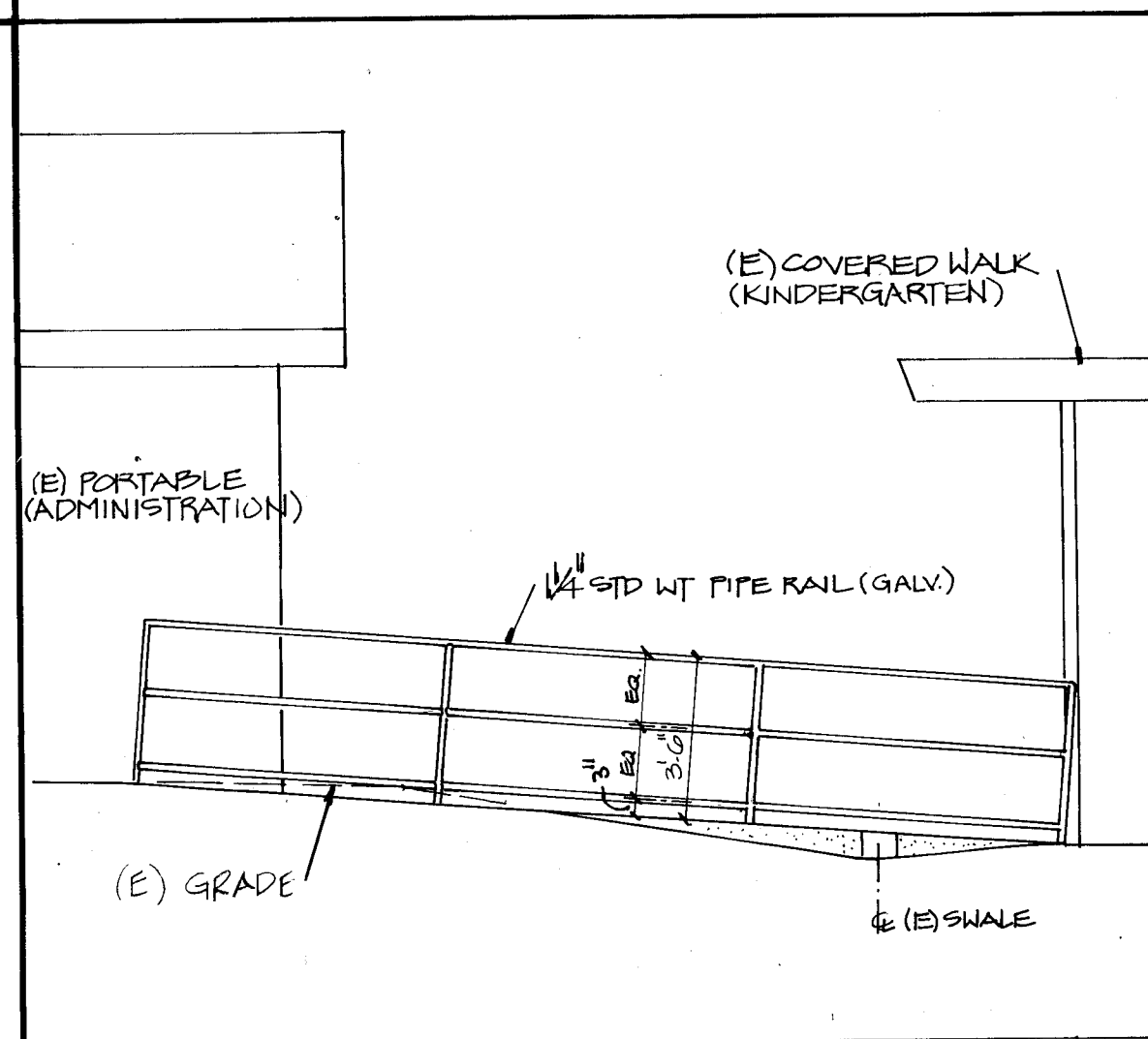
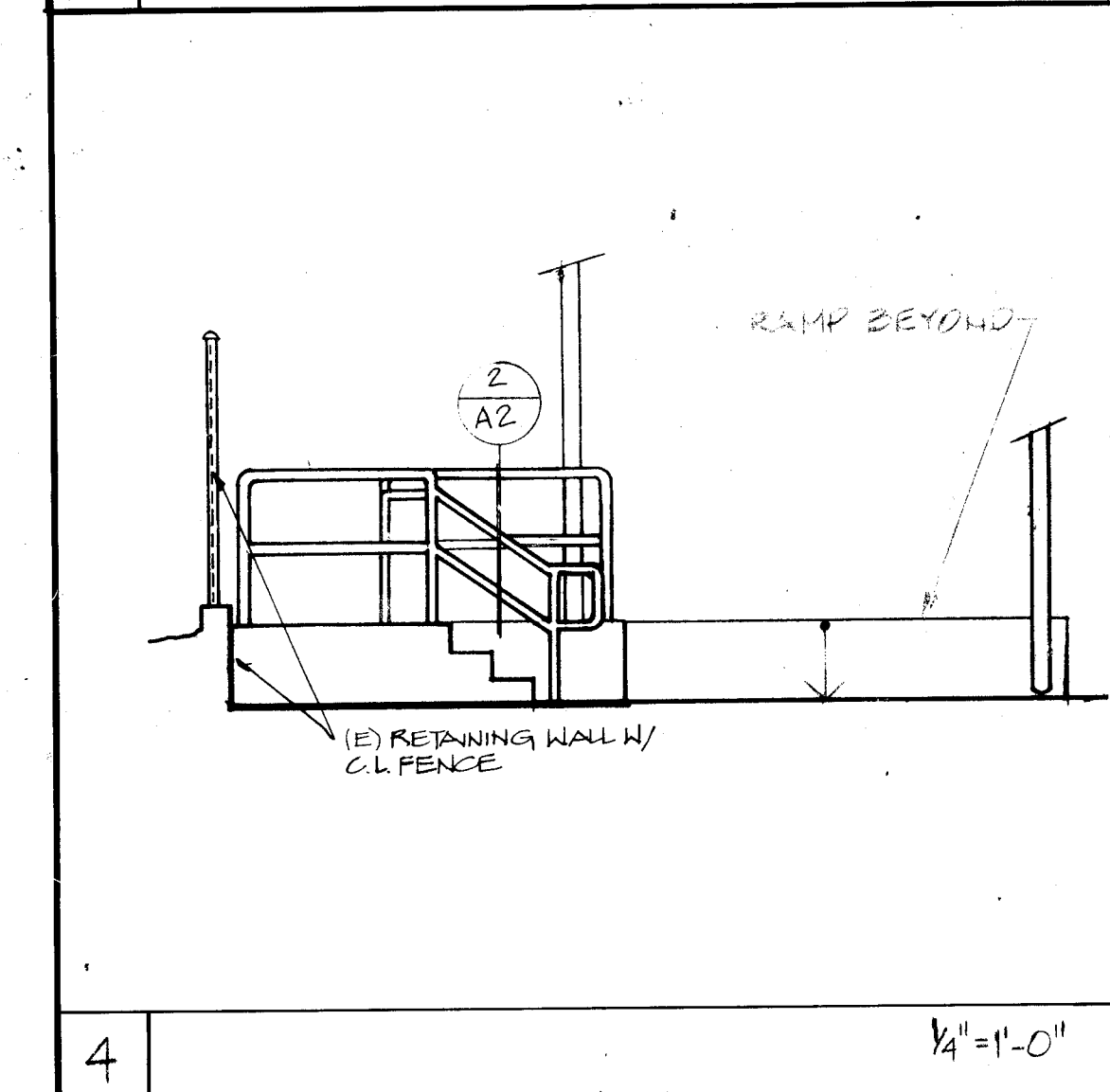
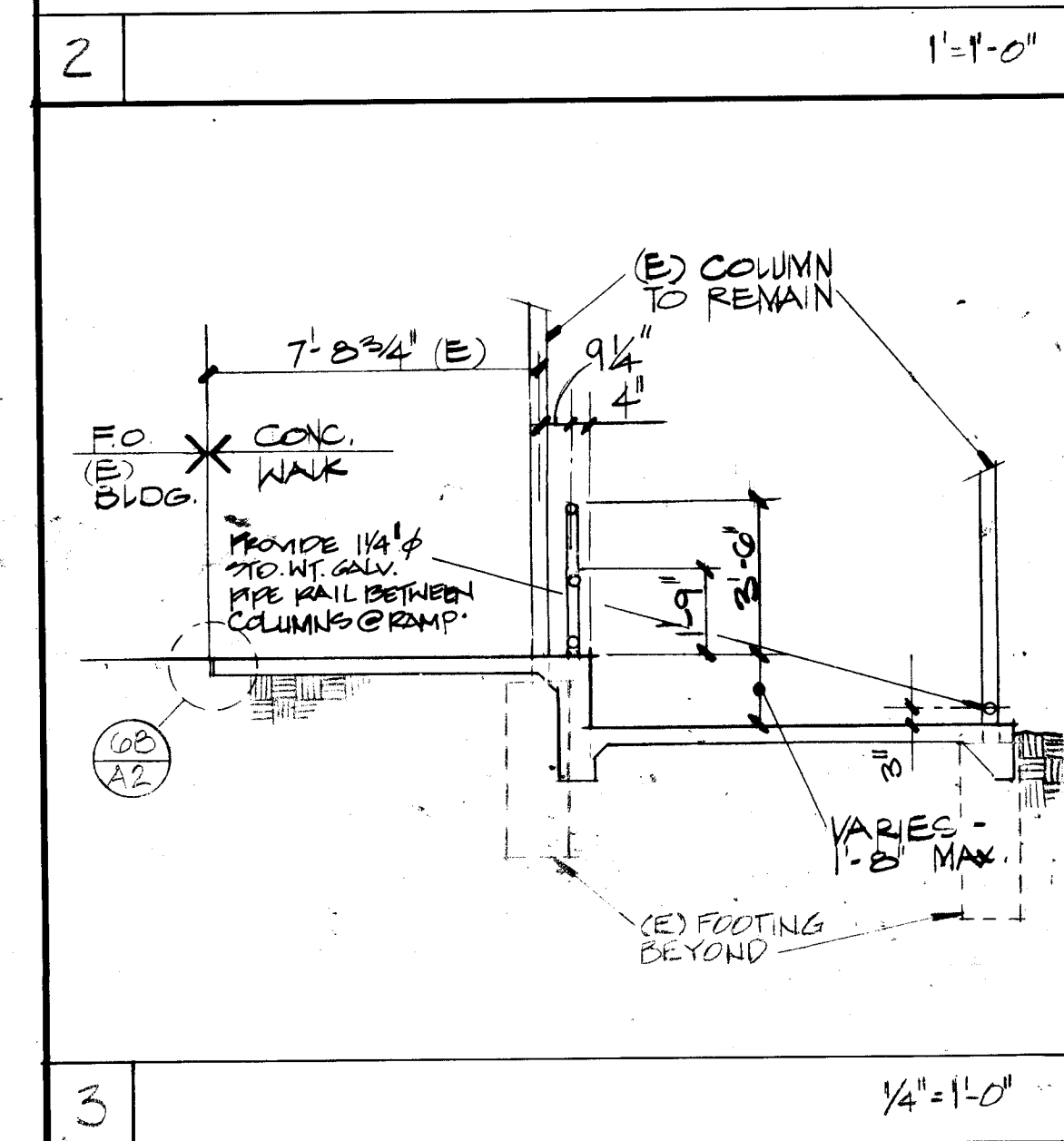
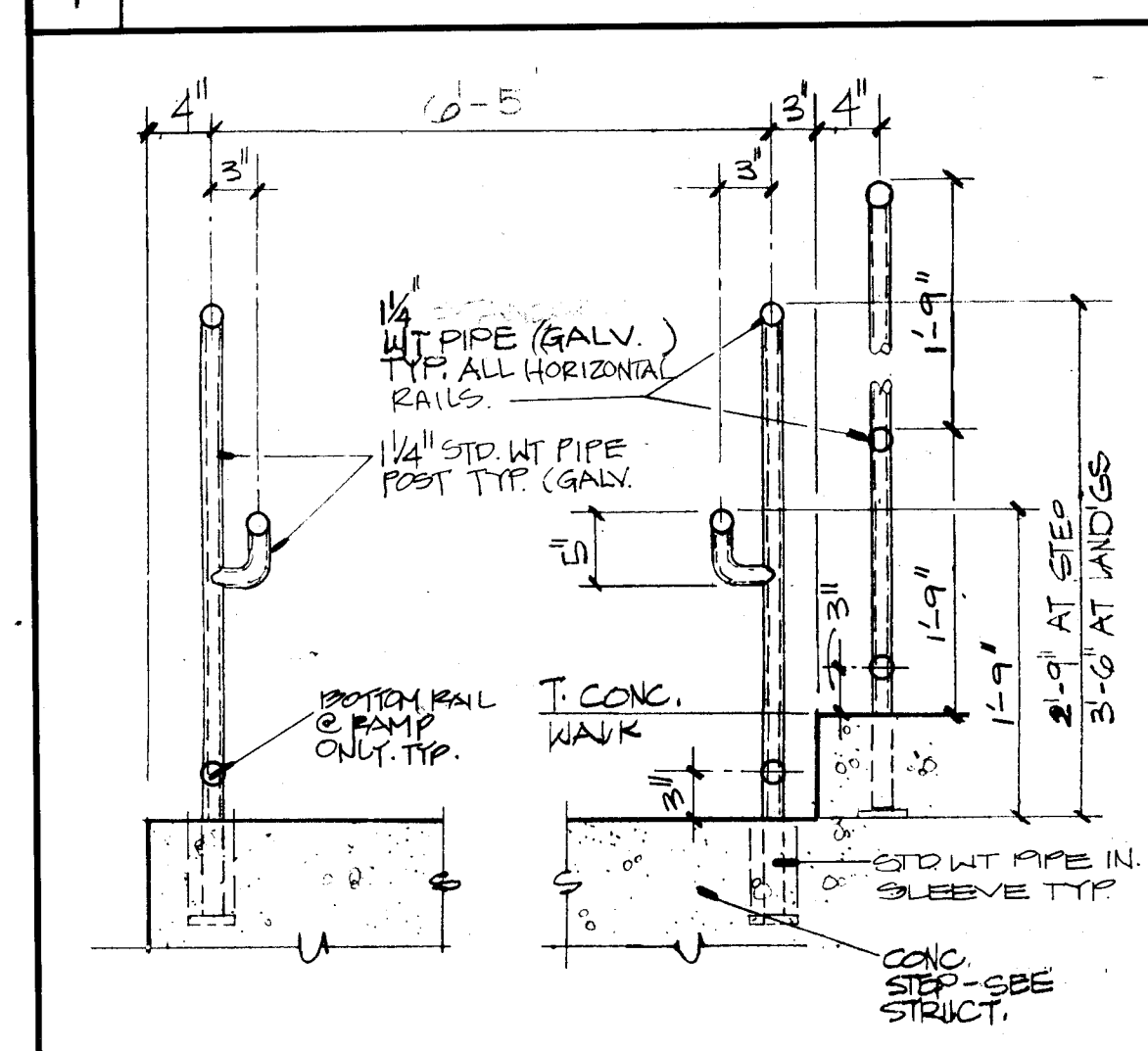
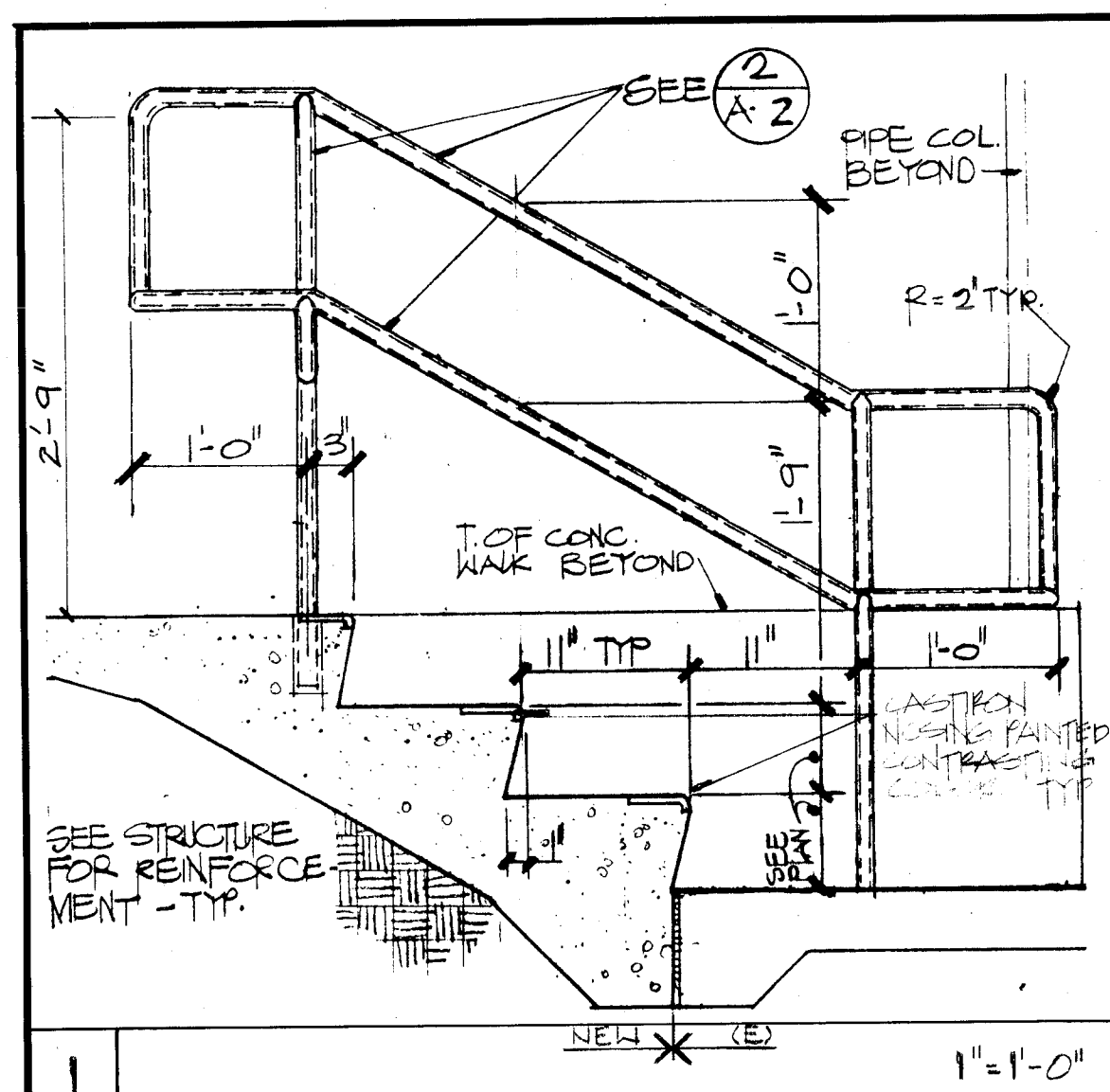
SURVEYOR'S STATEMENT

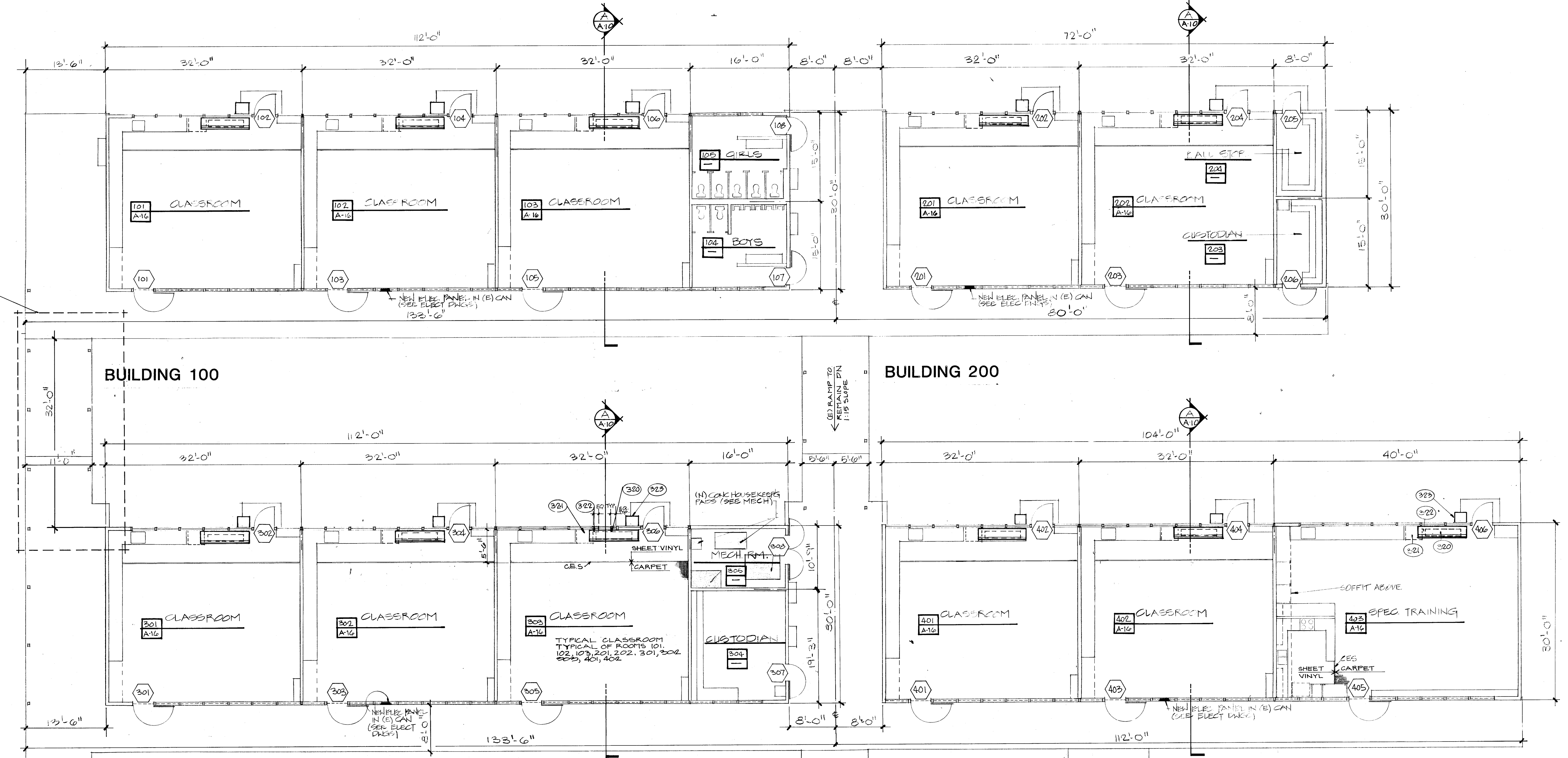
THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE LAND SURVEYOR'S ACT AT THE REQUEST OF BAKERSFIELD CITY SCHOOLS IN APRIL AND AUGUST OF 1988.

Roger A. McIntosh
 ROGER A. MCINTOSH L.S. 4987
 8-22-88 DATE



approved		<p>REPLICATION STAMP</p> <p>NO. 5800</p> <p>AS 10 10</p> <p>8/24/88</p>		<p>C. 3132</p> <p>C. 3269</p> <p>C. 8021</p> <p>C. 8702</p> <p>DR. CRIVELLO</p>	<p>bfgc inc.</p> <p>architects planners</p> <p>31 south real road box 9686</p> <p>bakerville california 93309</p> <p>805 832 8122</p>	<p>EXISTING SITE SURVEY</p> <p>HORACE MANN MODERNIZATION</p> <p>BAKERSFIELD CITY SCHOOL DISTRICT</p> <p>2710 NILES AVENUE</p> <p>BAKERSFIELD, CALIFORNIA 93307</p>	<p>job 88-117</p> <p>date 8-22-88</p>	
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BUILDING 100

BUILDING 200

BUILDING 300

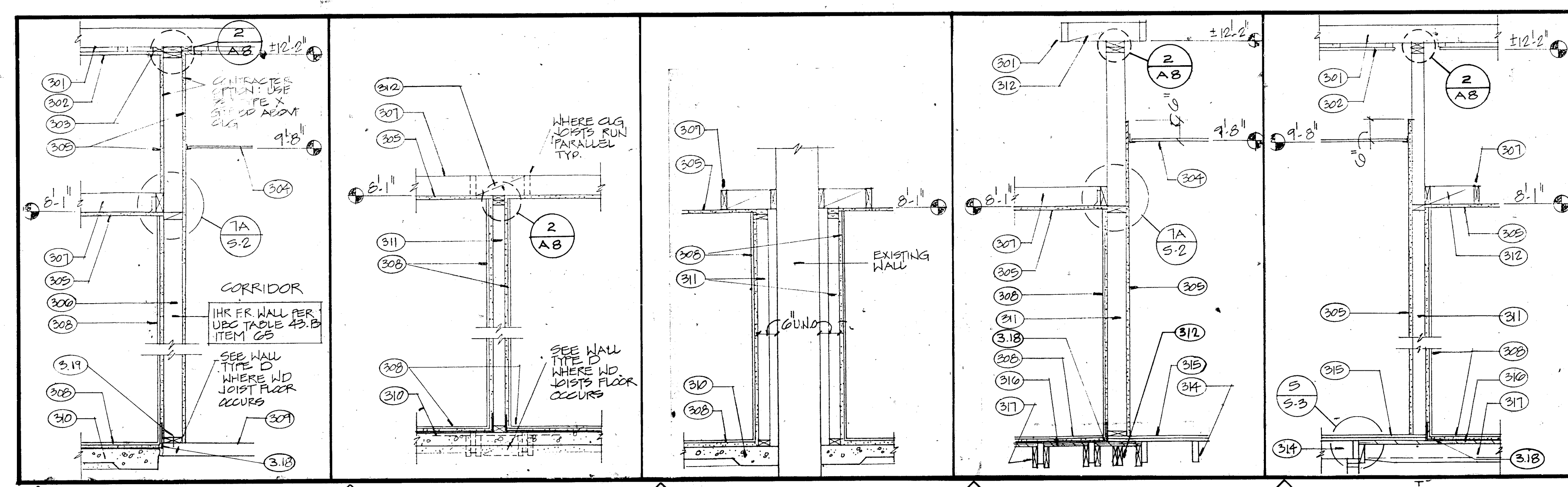
BUILDING 400

FLOOR PLANS 1/8"=1'-0"

GENERAL NOTE:
REFER TO SHEET 'A-8' FOR LISTING OF ALTERNATES

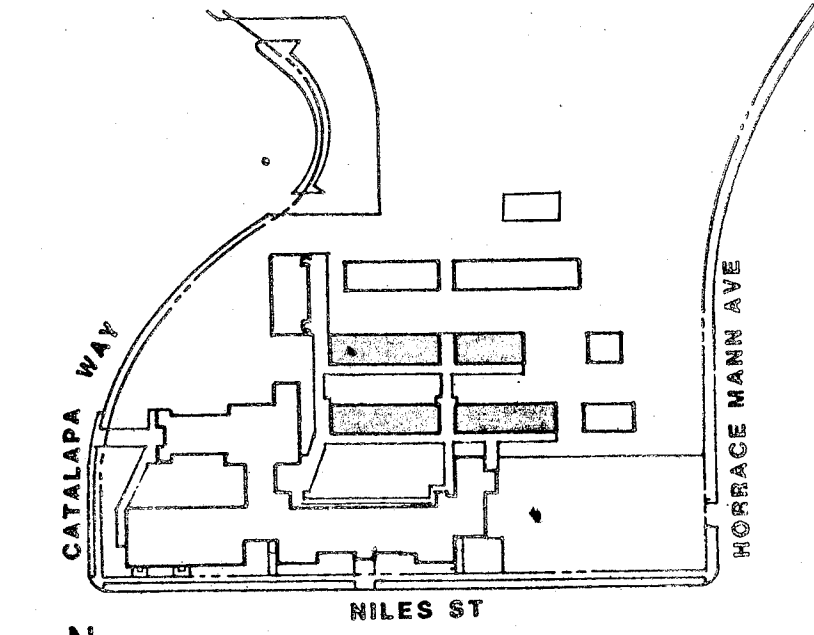
GENERAL NOTES
1. BELGRADE ALL (E) EXISTING POWERED CLO. CS. IN R.I.M.S WITH (N) TET CEILING TO ALL CORNERS DIRECTED BY ARCHITECT

FLOOR PLAN KEY NOTES
320 Remove (E) unit ventilator; See Mechanical
321 Remove portion of (E) cabinet to accommodate new unit ventilator. Provide new end panel. SEE INTERIOR ELEV. SH. A-16
322 Unit ventilator; See Mechanical
323 PIPE COVER SEE MECH DTL Q/M/P-8



WALL SECTION KEY NOTES

- 301 Bottom of (E) truss
- 302 (E) Plaster ceiling
- 303 Stripping to match existing
- 304 Suspended acoustic tile ceiling
- 305 Plaster to match existing over mtl. lath
- 306 2 X 6 studs at 16" O.C. See Detail 17 Sheet S-1 for framing details.
- 307 2 X 6 ceiling joists at 16" O.C.
- 308 Ceramic tile over mortar bed
- 309 (E) conc. floor
- 310 New 4" conc. slab over 2" sand base; depress 1-1/2" FOR ceramic tile floor.
- 311 2 X 4 studs at 16" O.C. See Detail 17 Sheet S-1 for framing details.
- 312 2 X 6 DOUBLE JOIST
- 313 2 X studs (width to match existing) at 16" O.C.
- 314 (E) Floor joists
- 315 (E) double wood floor
- 316 3/4 plywood between (E) floor joists
- 317 2 X each side of (E) floor joists SEE STRUCTURAL
- 318 PROVIDE WATERPROOFING MEMBRANE AT ALL CERAMIC TILE FLOOR OVER WOOD JOIST. EXISTENT MEMBRANE TO REMAIN. FINISH FLOOR ON ALL WALLS
- 319 2 X 2 FLOOR JOIST AT 16" O.C. SEE DETAIL 17 SHEET S-1 FOR FRAMING DETAILS. RED HEAL, 1 1/2" DIA., 1/2" THICK, 1/2" DIA. 1/2" DIA.



KEY PLAN

Application No. 77/50601

FLOOR PLANS, BLDG. 100, 200, 300, 400, WALL TYPES

HORACE MANN MODERNIZATION
BAKERSFIELD CITY SCHOOL DISTRICT
2710 NILES AVENUE
BAKERSFIELD, CALIFORNIA 93307

1/8"=1'-0"

DATE 1 FEB 89

A₃

approved

identical

identical

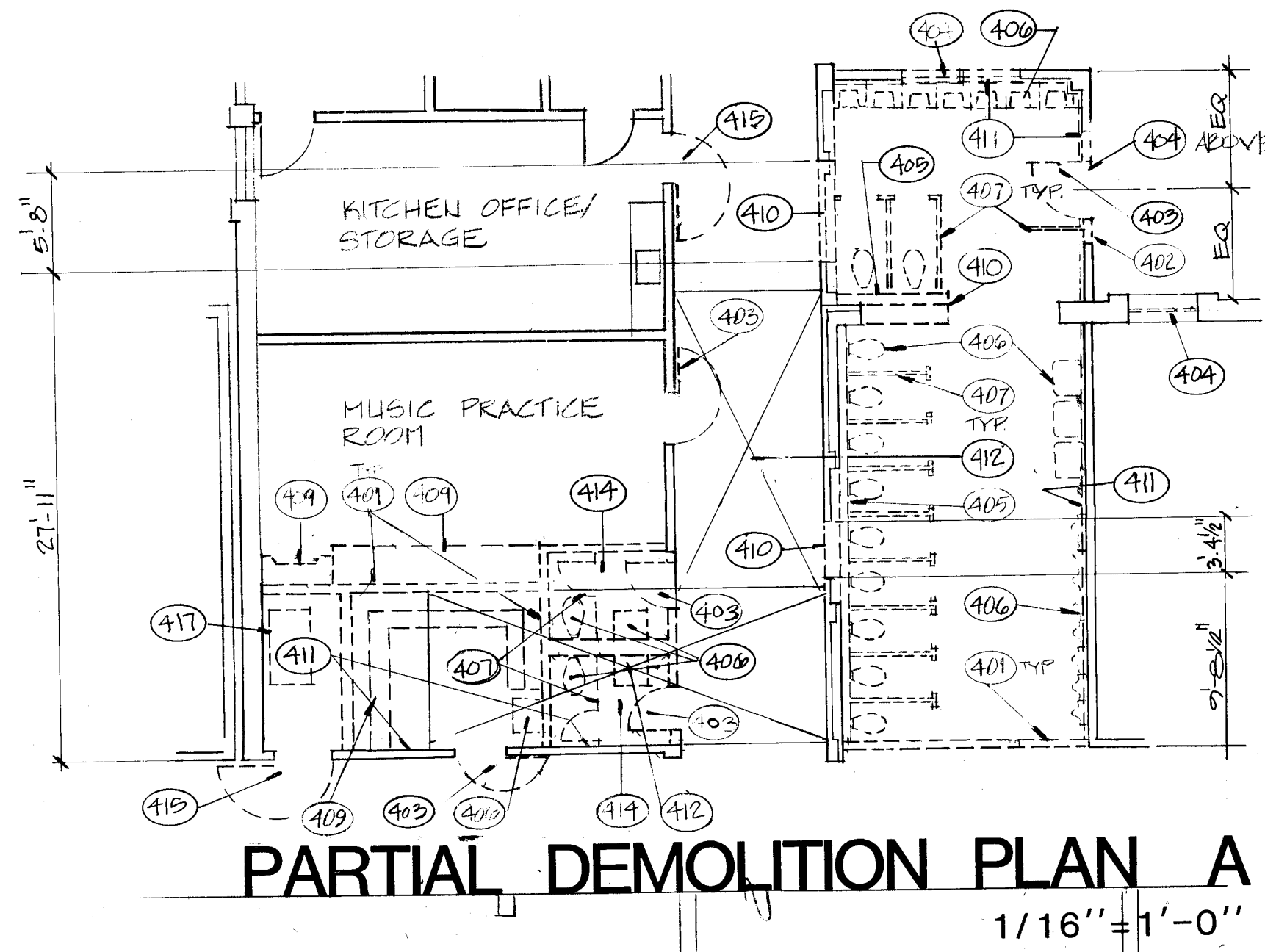
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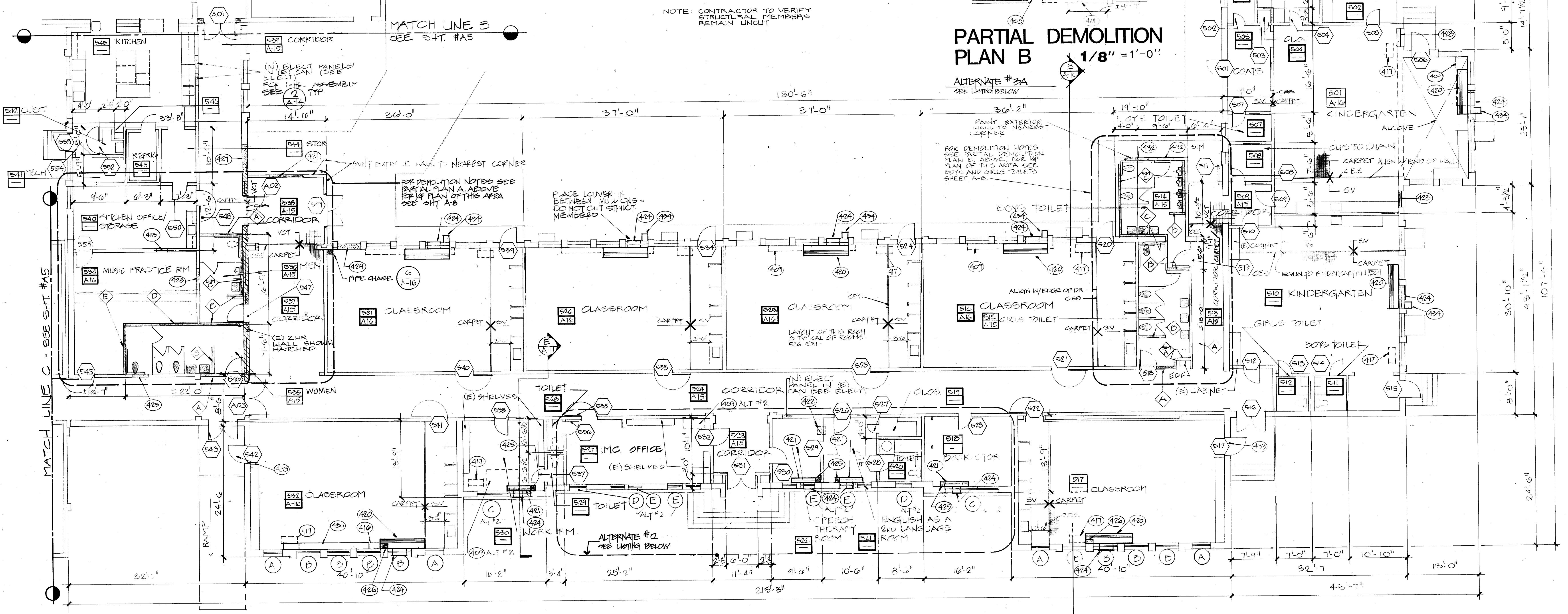
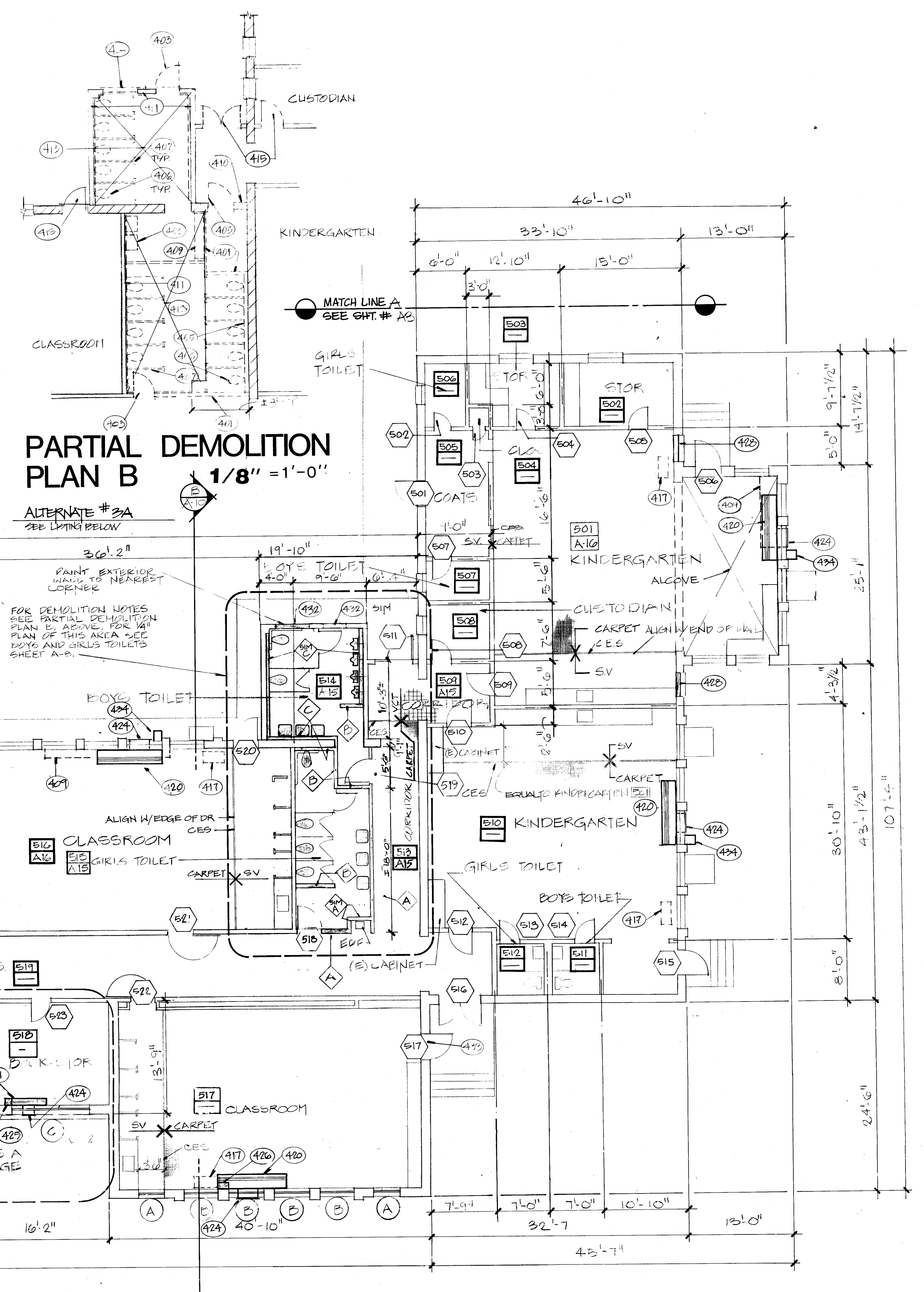
C-3268
C-3132
C-6584
C-8702
DR. CURTIN

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- DEMOLITION KEY NOTES**
- 401 REMOVE (E) WALLS SHOWN DOTTED
 - 402 REMOVE (E) WALL AS REQUIRED FOR NEW DOOR FRAME
 - 403 REMOVE (E) DOOR, FRAME AND HARDWARE
 - 404 REMOVE (E) WINDOW
 - 405 REMOVE (E) WALL FURRING
 - 406 SEE PLUMBING DRAWINGS FOR REMOVAL OF (E) PLUMBING FIXTURES. FIXTURES IN THE BEST CONDITION ARE TO BE RELOCATED, EXCEPT URINALS
 - 407 REMOVE (E) TOILET PARTITIONS AND ALL ACCESSORIES IN ROOM
 - 408
 - 409 REMOVE (E) CABINETS OF SHELVES (E) BRICK AND/OR GUNITE WALL. SEE STRUCTURAL
 - 410 REMOVE (E) BRICK AND/OR GUNITE WALL. SEE STRUCTURAL
 - 411 REMOVE (E) PLASTER WALL FINISH TO HEIGHT JUST ABOVE (N) CEILING
 - 412 REMOVE EXISTING DOUBLE WOOD FLOOR SHEATHING FOR (N) TILE SETTING RED SEE DETAILS 5, 6, 6A AND 7, SHEET S-3.
 - 413 REMOVE EXISTING CONCRETE FLOOR FOR (N) TILE SETTING BED AND WASTE LINES, SEE DETAIL 8, SHEET S-3.
 - 414 REMOVE (E) CEILING (FINISH AND JOISTS).
 - 415 SEE SHEET A-1 FOR REMOVAL OF DOOR
 - 416 REMOVE (E) CABINET AND REVOLUCATE AS SHOWN SEE INTERIOR ELEVATION INT A-10
 - 417 SEE MECHANICAL FOR REMOVAL OF (E) FURNACE
 - 418 PATCH TO MATCH (E) WHERE SA GRILL INSTALLED ABOVE IN WALL

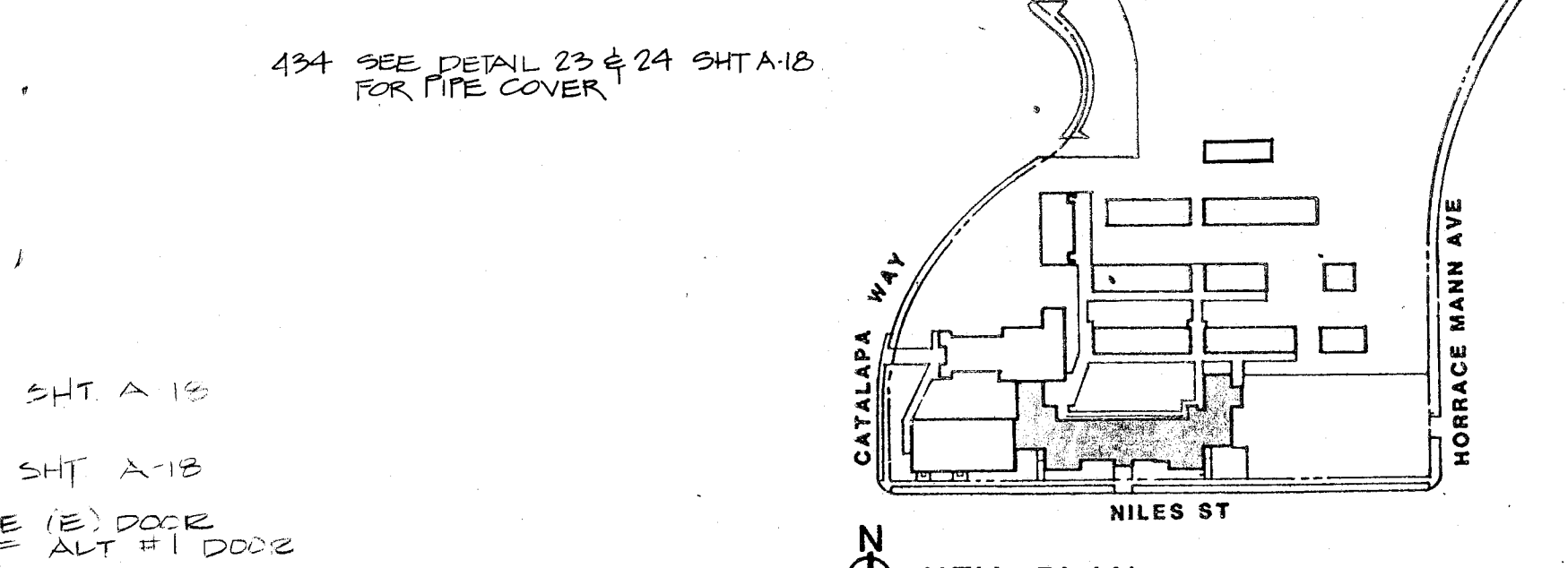


BUILDING 500 FLOOR PLAN

- ALTERNATE LISTING**
- Alternate No. One (1) Additive: The following items make up the total of Alternate No. One (Additive):
- A. Add the work required for the replacement of exterior doors, frames and hardware as indicated on the door schedule, in lieu of changing the key cylinders (See H14).
 - B. Add all of the work shown on the drawings in Room 510 Cafeteria - Multi-Purpose, other than work related to ceiling work, flooring, painting, all electrical work and plumbing work. **DO NOT INCLUDE AS AN ALTERNATE.**
- Alternate No. Two (2) Additive: The following items make up the total of Alternate Number Two (Additive):
- Add the replacement of exterior windows.
 - Add all of the flooring work indicated.
 - Add all of the ceiling work including electrical and mechanical work.
- Alternate No. Three (3) Additive: The following items make up the total of Alternate No. Three (Additive):
- A. Add carpeting in lieu of VCT (Base Bid) in the following corridors: 513, 523, 524, 537, 539, 603, 604 and 701.

- GENERAL NOTES**
1. RELOCATE ALL (E) BATTERY POWERED CLOCKS IN ROOMS WITH (N) TILT CEILING TO 9'-0"

- KEY NOTES**
- 420 UNIT VENTILATOR, SEE MECHANICAL
 - 421 FAN COIL UNIT, SEE MECHANICAL
 - 422 INFILL OPENING WITH 2 X STUDS AND PATCH TO MATCH EXISTING ADJACENT SURFACES WHERE WALL FURNACE REMOVED.
 - 423 INFILL OPENING WITH 2 X STUDS AND PATCH TO MATCH EXISTING ADJACENT SURFACES WHERE DOOR AND FRAME REMOVED.
 - 424 NEW OPENING THROUGH (E) WALL FOR O.S.A. LOUVER, SEE DETAIL 10 SHEET A18
 - 425 PIPE CHASE, SEE DETAIL 10 SHEET A16
 - 426 PIPE CHASE, SEE DETAIL 3, SHEET A16
 - 427 INFILL OPENING WHERE DOOR HAS BEEN REMOVED, SEE DETAIL 3, SHEET A 2
 - 428 INFILL OPENING WHERE WINDOW HAS BEEN REMOVED, SEE DETAIL 5, SHEET A18.
 - 429 INFILL OPENING WHERE WINDOW HAS BEEN REMOVED. SEE DETAIL 4, SHEET A18.
 - 430 RELOCATED (E) CABINET
 - 431 INFILL OPENING WHERE WINDOW HAS BEEN REMOVED SEE DET 1 SHT A 18
 - 432 INFILL OPENING WHERE WINDOW HAS BEEN REMOVED SEE DET 2 SHT A-18
 - 433 REMOVE WINDOW AND INFILL ABOVE (E) DOOR SEE DET 15 SHT A-18 (BASE BID) IF ALT #11 DOOR ACCEPTED, INFILL PER DET 14 SHT A-18



approved

DR. CASTAL

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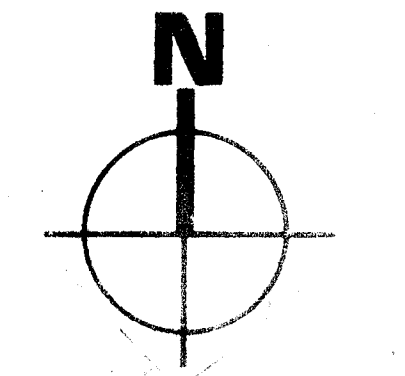
Application No. 77/50601
FLOOR PLAN, BLDG 500
HORACE MANN MODERNIZATION
BAKERSFIELD CITY SCHOOL DISTRICT
2710 NILES AVENUE
BAKERSFIELD, CALIFORNIA 93307

job 87-121
date 1 FEB 89

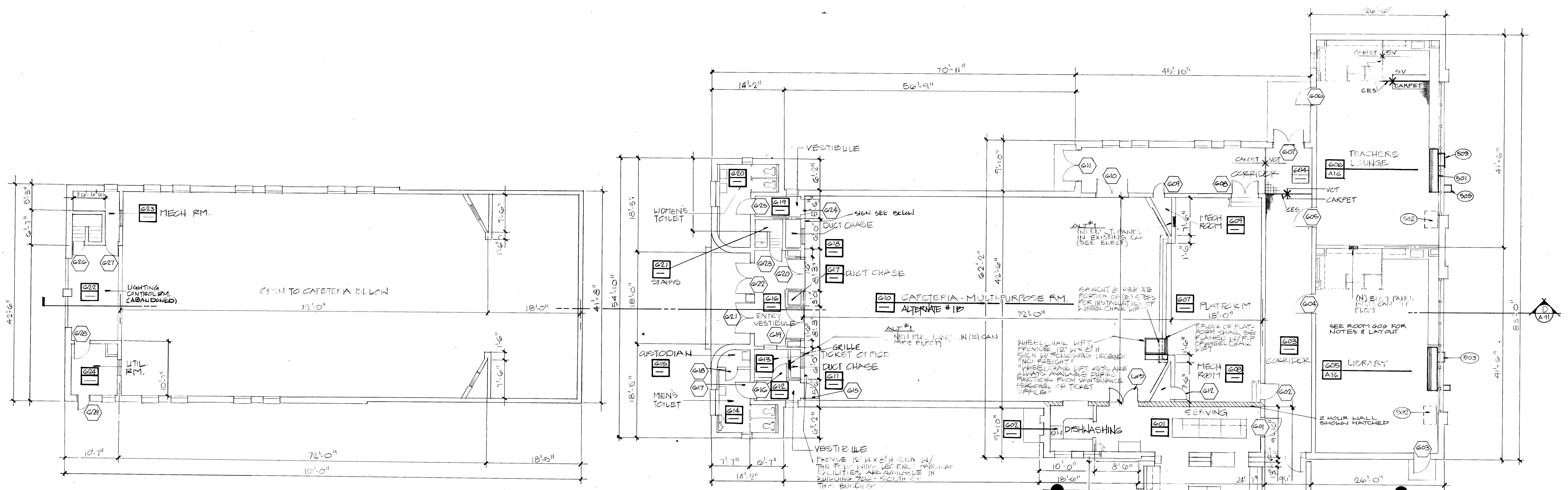
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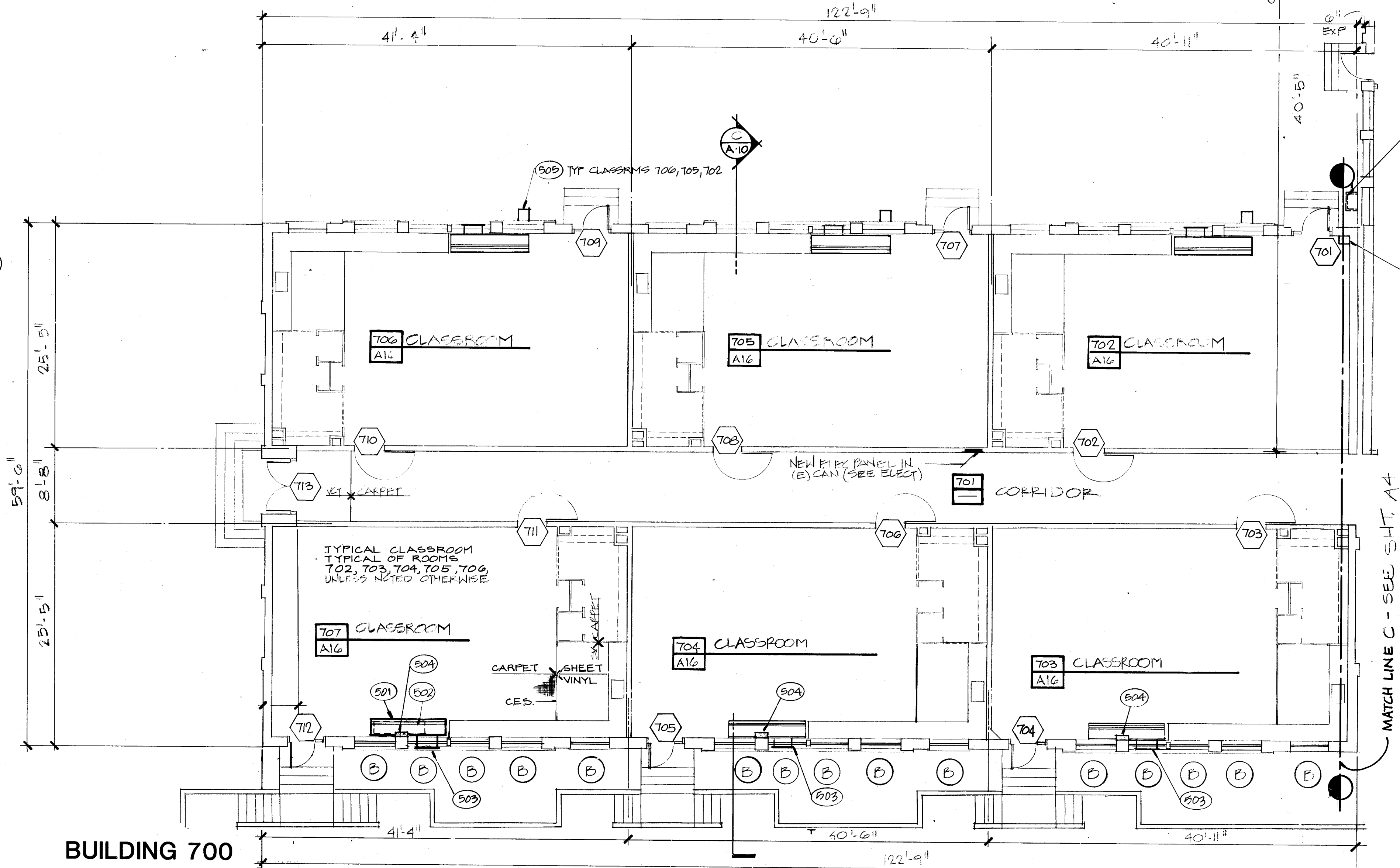


A



BUILDING 600
SECOND FLOOR

BUILDING 600



BUILDING 700

FLOOR PLANS

Application No. 77/50601

KEY PLAN

WORK OF ALTERNATE #1 (SEE SHT A-4 FOR WORK OF ALT #1 IN BLDG 600)
 A. REMOVE & REFACE EXTERIOR DOORS IN CLASSROOMS AND CORRIDORS. DOOR NUMBERS INCLUDE 603, 606, 607, 611, 701, 704, 705, 707, 709, 710, & 712
 B. MODERNIZE MULTI-PURPOSE ROOM 610
 a) PROVIDE (N) FLOOR FINISH
 b) PROVIDE (N) SUSP. ACOUSTIC TILE CLG & LIGHTS
 c) PROVIDE (N) EXHAUST COOLERS
 SEE SHT A-4 FOR REMAINDER OF ALTERNATES

GENERAL NOTES
 1. BELLOCATE ALL (E) BATTERY POWERED CLOCKS IN ROOMS WITH (N) AT CEILING TO 4'-0" OF 2ND FLOOR DIRECTED BY ARCHITECT

KEY NOTES
 501 UNIT VENTILATOR, SEE MECHANICAL
 502 REMOVE (E) PURNACE, SEE MECHANICAL
 503 NEW OPENING THROUGH (E) WALL FOR O.S.A. LOUVER, SEE DETAIL 11, SHEET A16. CENTER ON WINDOW ABOVE U.N.O.
 504 PIPE CHASE, SEE DETAIL 3, SHEET A16
 505 PIPE COVER SEE DTL M/MF-B

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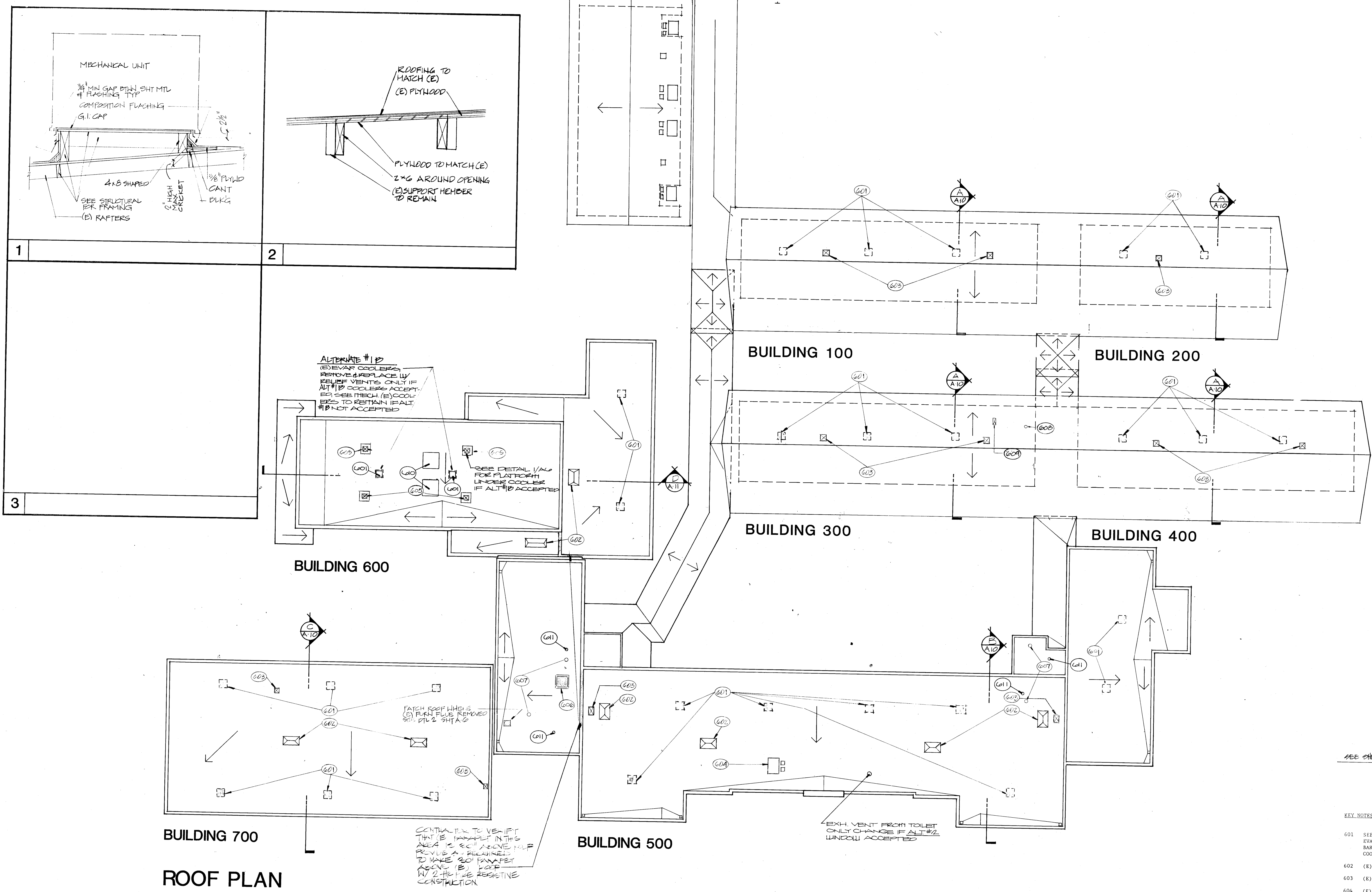
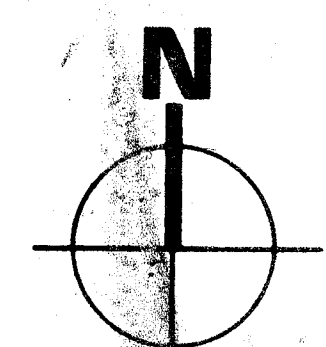
FLOOR PLANS, BLDGS 600 & 700 1/2" = 1'-0"
HORACE MANN MODERNIZATION
 BAKERSFIELD CITY SCHOOL DISTRICT
 2710 NILES AVENUE
 BAKERSFIELD, CALIFORNIA 93307

job 27-127
 date 1 FEB 89

A5

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ROOF PLAN

SEE SHEET 141 FOR LISTING OF ALTERNATES

- KEY NOTES**
- 601 SEE MECHANICAL DRAWINGS FOR REMOVAL OF (E) EVAPORATIVE COOLER AND INSTALLATION OF NEW BAROMETRIC RELIEF DAMPERS WHERE THE (E) COOLER DUCTS PENETRATE THE ROOF.
 - 602 (E) SKYLIGHT
 - 603 (E) ROOF HATCH
 - 604 (E) A.C. UNIT
 - 605 ALT #1 EVAPORATIVE COOLERS - SEE MECHANICAL.
 - 606 NEW HEATING/COOLING UNIT - SEE MECHANICAL. SEE DETAIL 1, SHEET A6 FOR MOUNTING PLATFORM.
 - 607 NEW EXHAUST FAN DUCT WITH ROOF CAP - SEE MECHANICAL.
 - 608 BOILER FLUE - SEE MECHANICAL.
 - 609 AIR INTAKE - SEE MECHANICAL.
 - 610 RELIEF VENT - SEE MECHANICAL.
 - 611 PLUMBING VENT THROUGH ROOF.

approved					
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C. 3132
 C. 3269
 C. 6564
 C. 8021
 C. 8702

D.R. ARNAL

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

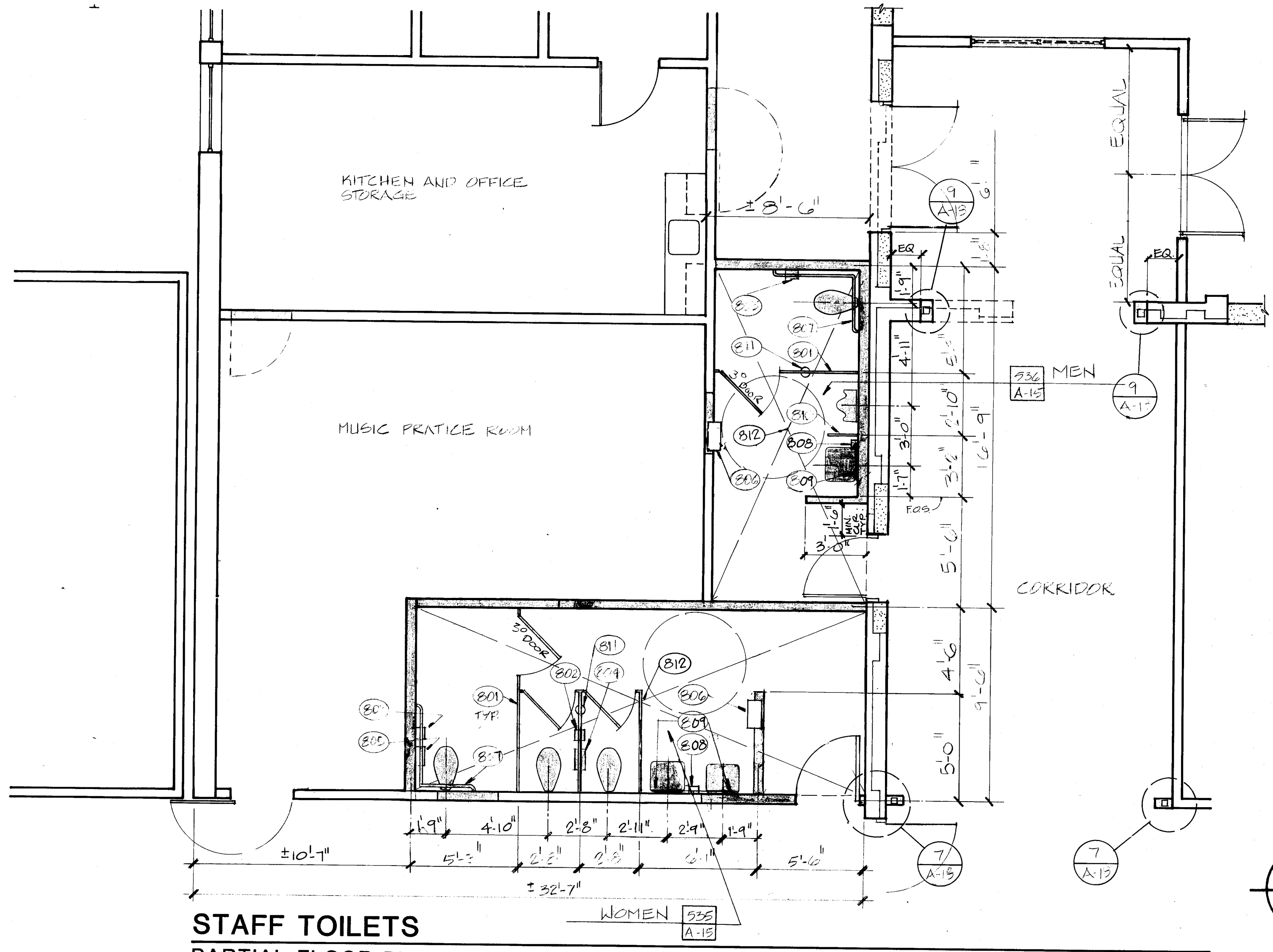
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job B7-127

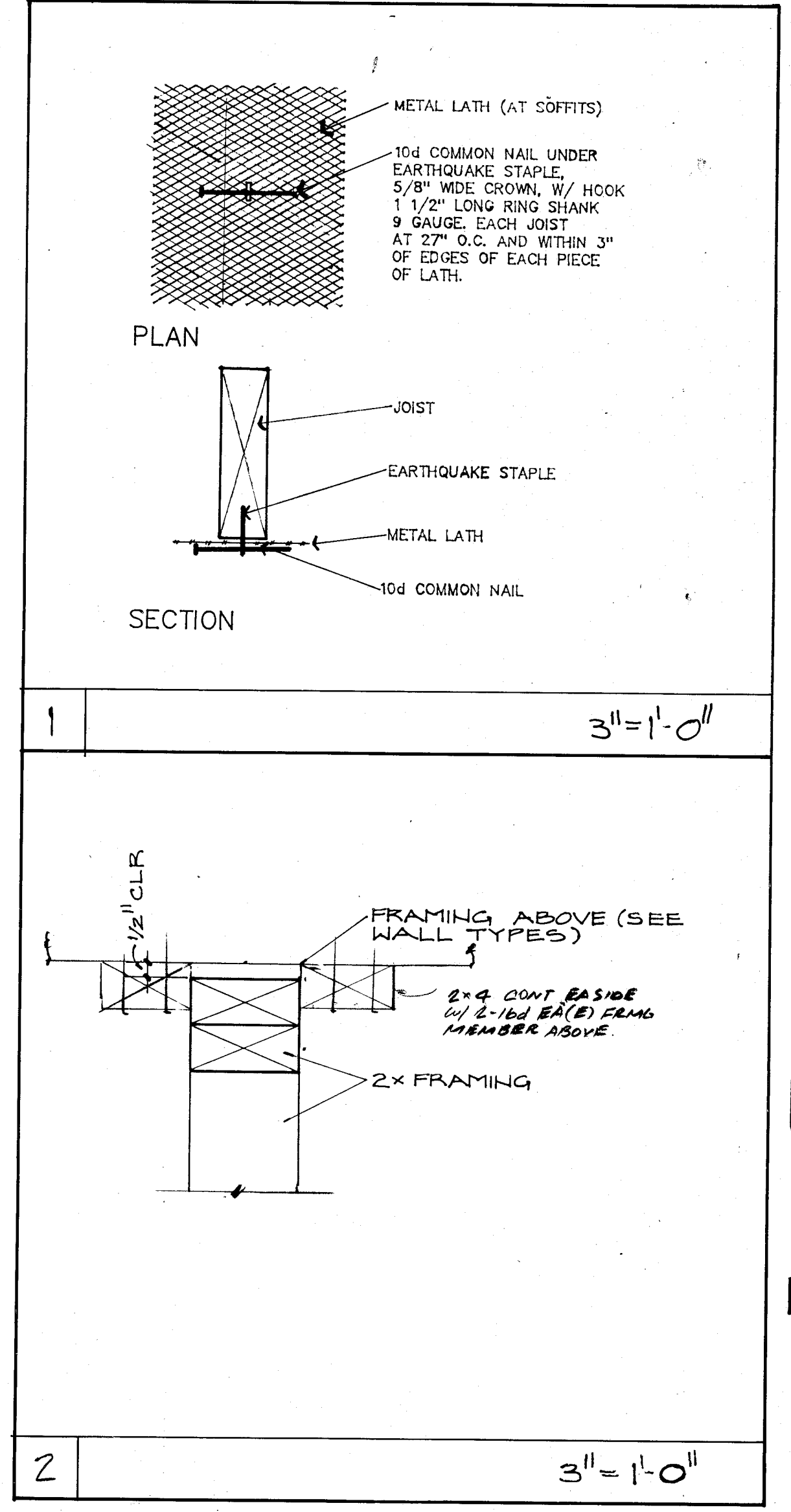
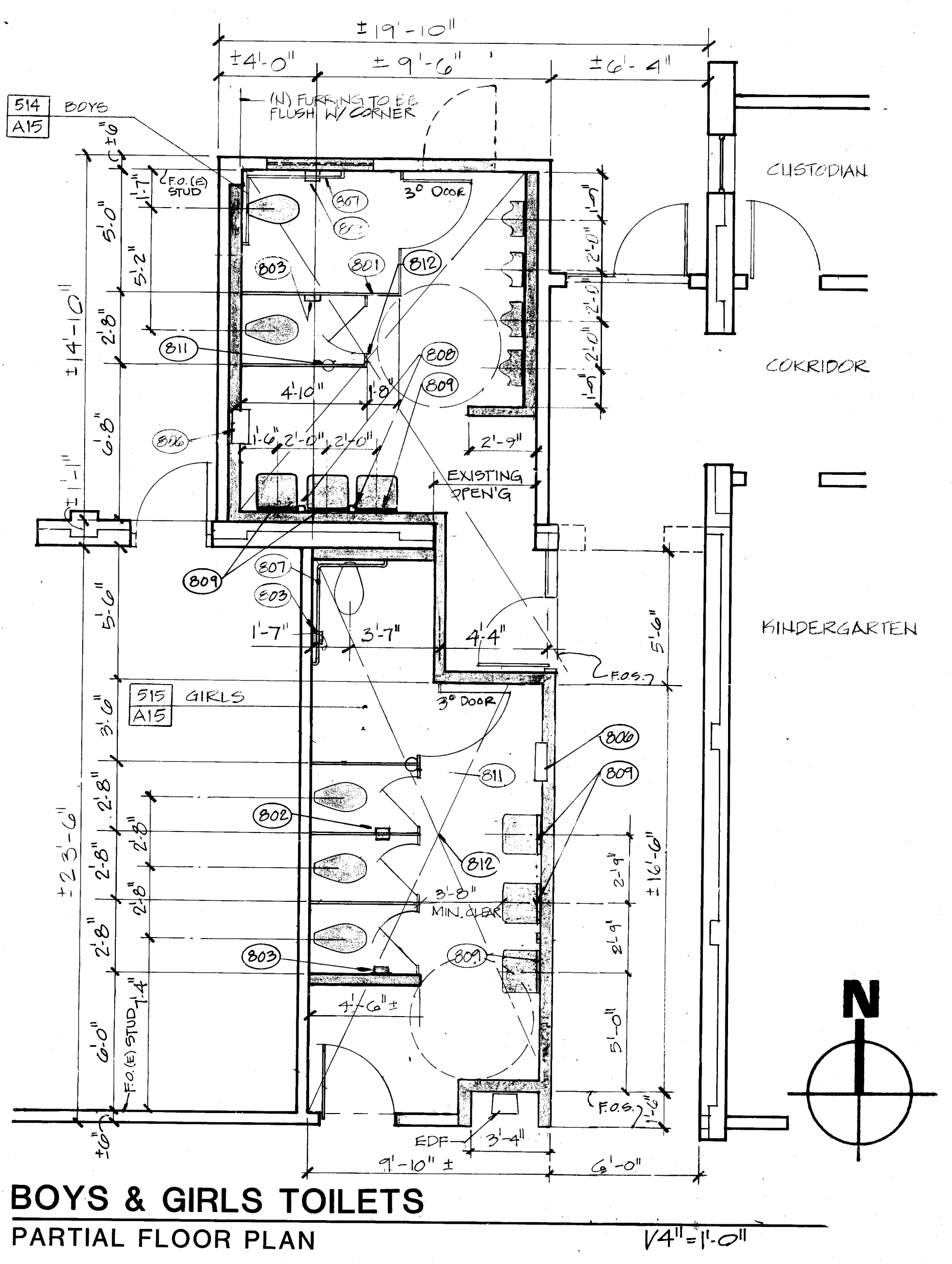
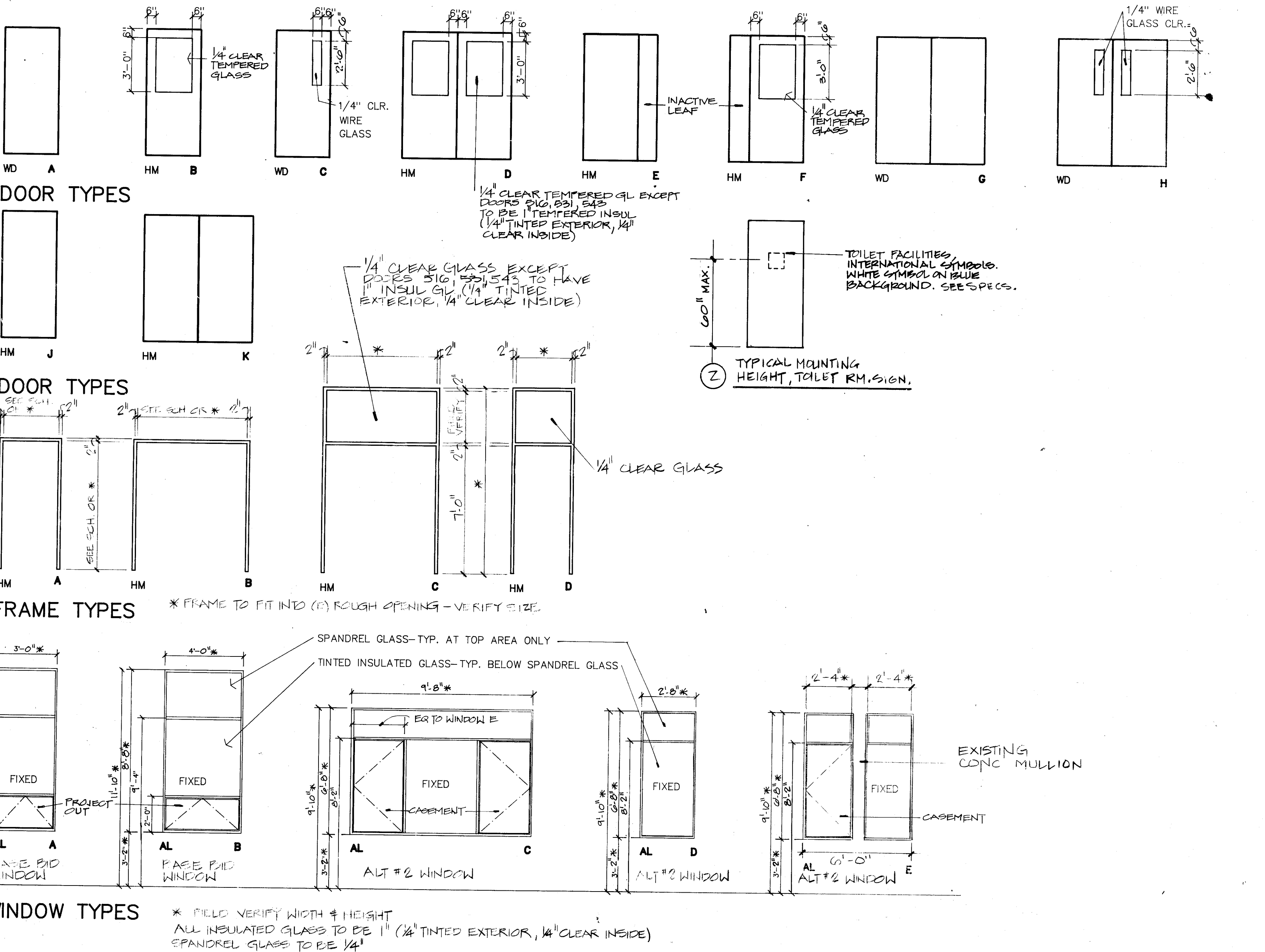
date FEB 89

DOOR AND FRAME SCHEDULE

DOOR NUMBER	DOOR						FRAME				PERIOD	HARDWARE SET DOOR BID HARDWARE SET ADJ. #1	SIGN	REMARKS NOTE: FOR GENERAL NOTES, SEE SHEET A-7	DOOR NUMBER
	TYPE	SIZE		LOUVER		TYPE	DETAILS								
		EACH ACTIVE LEAF	H	EACH INACTIVE LEAF	W		H	LEFT JAMB	HEAD	RIGHT JAMB					
628														628	
629														629	
701	F	3'-0"	7'-0" ±	1'-0" ±		B	20/A-17	20/A-17	20/A-17			35	33	KEYNOTE A	701
702	C	3'-4" ±	7'-0" ±									12		KEYNOTE B	702
703	C	3'-4" ±	7'-0" ±									12		KEYNOTE B	703
704	E	3'-0"	7'-0" ±	1'-0" ±		B	20/A-17	20/A-17	20/A-17			35	33	KEYNOTE A	704
705	E	3'-0"	7'-0" ±	1'-0" ±		B	20/A-17	20/A-17	20/A-17			35	33	KEYNOTE A	705
706	C	3'-4" ±	7'-0" ±									12		KEYNOTE B	706
707	F	3'-0"	7'-0" ±	1'-0" ±		B	20/A-17	20/A-17	20/A-17			35	33	KEYNOTE A	707
708	C	3'-4" ±	7'-0" ±									12		KEYNOTE B	708
709	F	3'-0"	7'-0" ±	1'-0" ±		B	20/A-17	20/A-17	20/A-17			35	33	KEYNOTE A	709
710	C	3'-4" ±	7'-0" ±									12		KEYNOTE B	710
711	C	3'-4" ±	7'-0" ±									12		KEYNOTE B	711
712	E	3'-0"	7'-0" ±	1'-0" ±		B	20/A-17	20/A-17	20/A-17			35	33	KEYNOTE A	712
713	D	3'-0"	7'-0"			C						27	5	KEYNOTE A	713
S01	K	5'-10"	7'-10"			B	8/A-17	8/A-17	8/A-17			30			S01
AO1	K	3'-0"	7'-0"			B	3/A-12	3/A-12	3/A-12	1/2 HR		39			AO1
AO2	K	3'-0"	7'-0"			B	7/1M/A-12	7/1M/A-12	7/1M/A-12	1/2 HR		39			AO2
AO3	K	3'-0" *	7'-10"			E	7/1M/A-12	3/1M/A-12	7/A-12	1/2 HR		39		* VERIFY IN FIELD HOWE WITH DOOR W/IT TO FIT INTO (B) OPENING	AO3



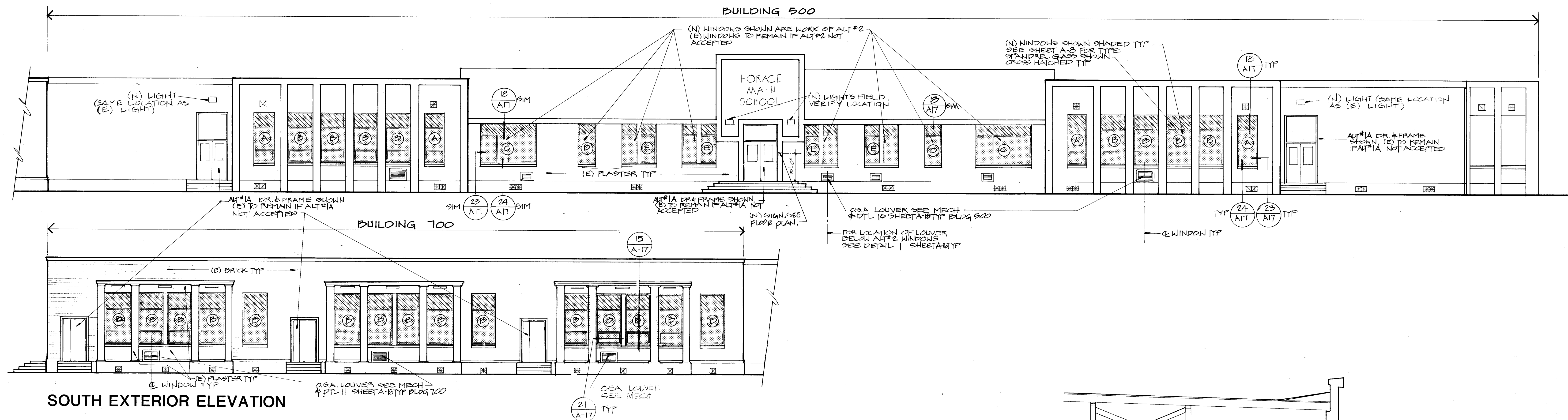
- KEY NOTES**
- 801 TOILET PARTITION
 - 802 PARTITION MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER (SERVES TWO COMPARTMENTS)
 - 803 SURFACE MOUNTED MULTI-ROLL TOILET TISSUE DISPENSER
 - 804 PARTITION MOUNTED SANITARY NAPKINS DISPOSAL FOR TWO TOILET COMPARTMENTS
 - 805 SURFACE MOUNTED SANITARY NAPKINS DISPOSAL
 - 806 RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
 - 807 36" X 48" GRAB BAR - SEE DETAIL 1/A12
 - 808 SURFACE MOUNTED POWDERED SOAP DISPENSER
 - 809 FRAMED 18" X 36" MIRROR
 - 810 18" X 42" URINAL SCREEN
 - 811 FLOOR DRAIN
 - 812 FLOOR DERESSED + 1 1/2" FOR NEW CERAMIC TILE, SEE STRUCTURAL



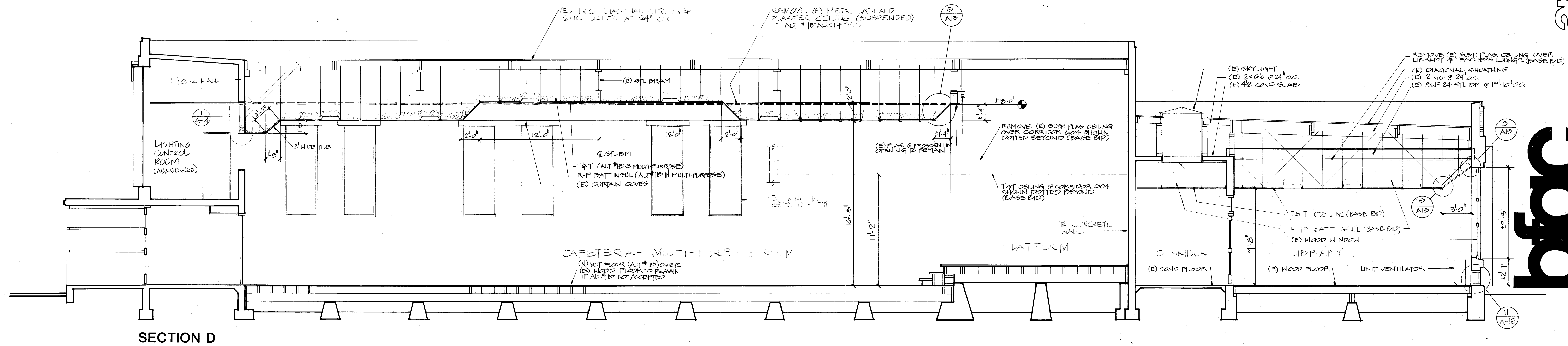
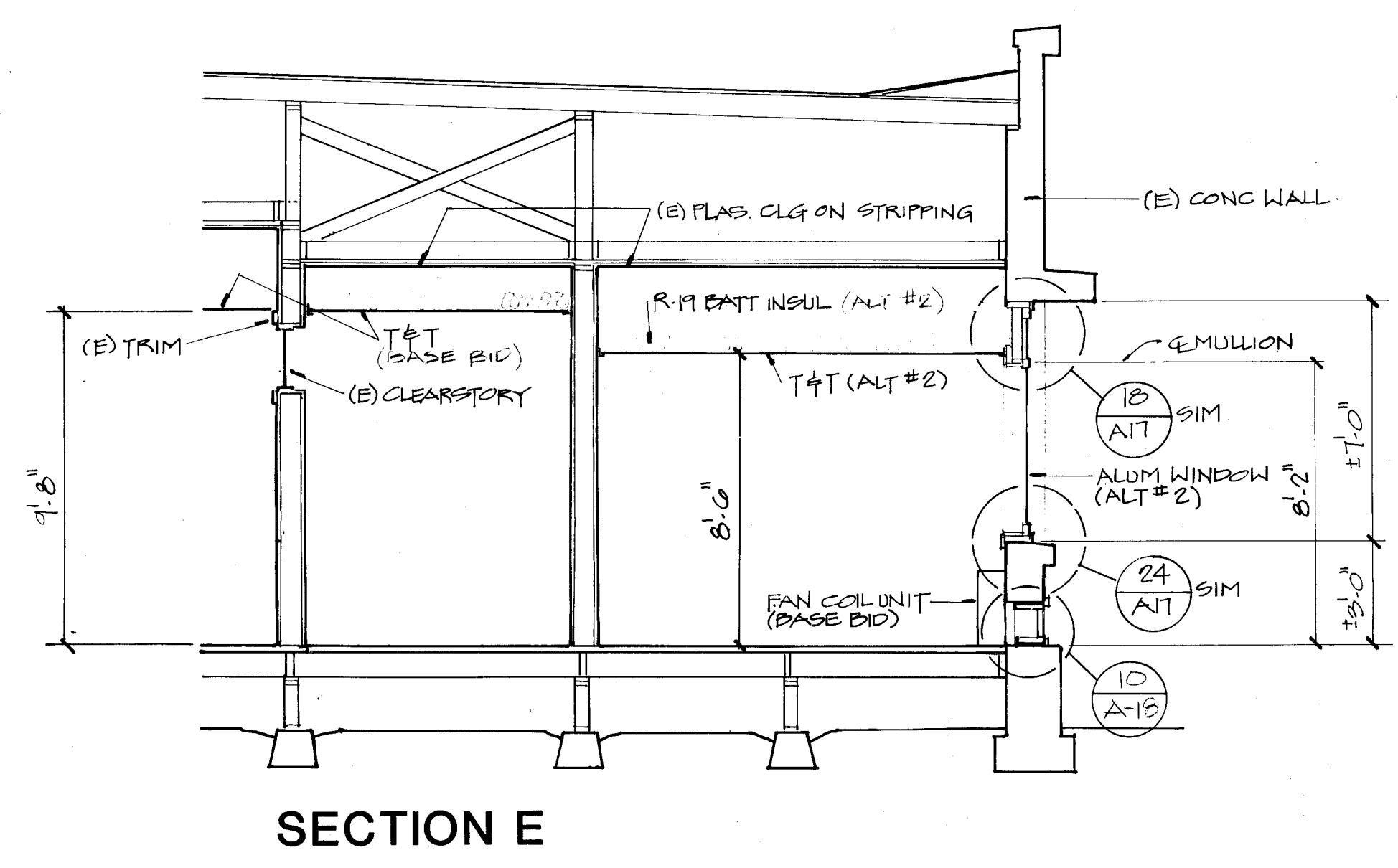
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approved					C. 3132 C. 3269 C. 6564 C. 8021 C. 8702 © copyrighted 198	DR. ORTAL bfgc inc. architects planners 31 south rose road box 9998 bakersfield california 93309 805 832 8122	DOOR & FRAME SCHEDULE, WINDOW SCHEDULE & PARTIAL TOILET PLANS HORACE MANN MODERNIZATION BAKERSFIELD CITY SCHOOL DISTRICT 2710 NILES AVENUE BAKERSFIELD, CALIFORNIA 93307	1/4" = 1'-0" job 87-127 date FEB 89	A8
----------	--	--	--	--	--	---	---	---	-----------



SEE SHEET 1A4 FOR ALTERNATE LISTING



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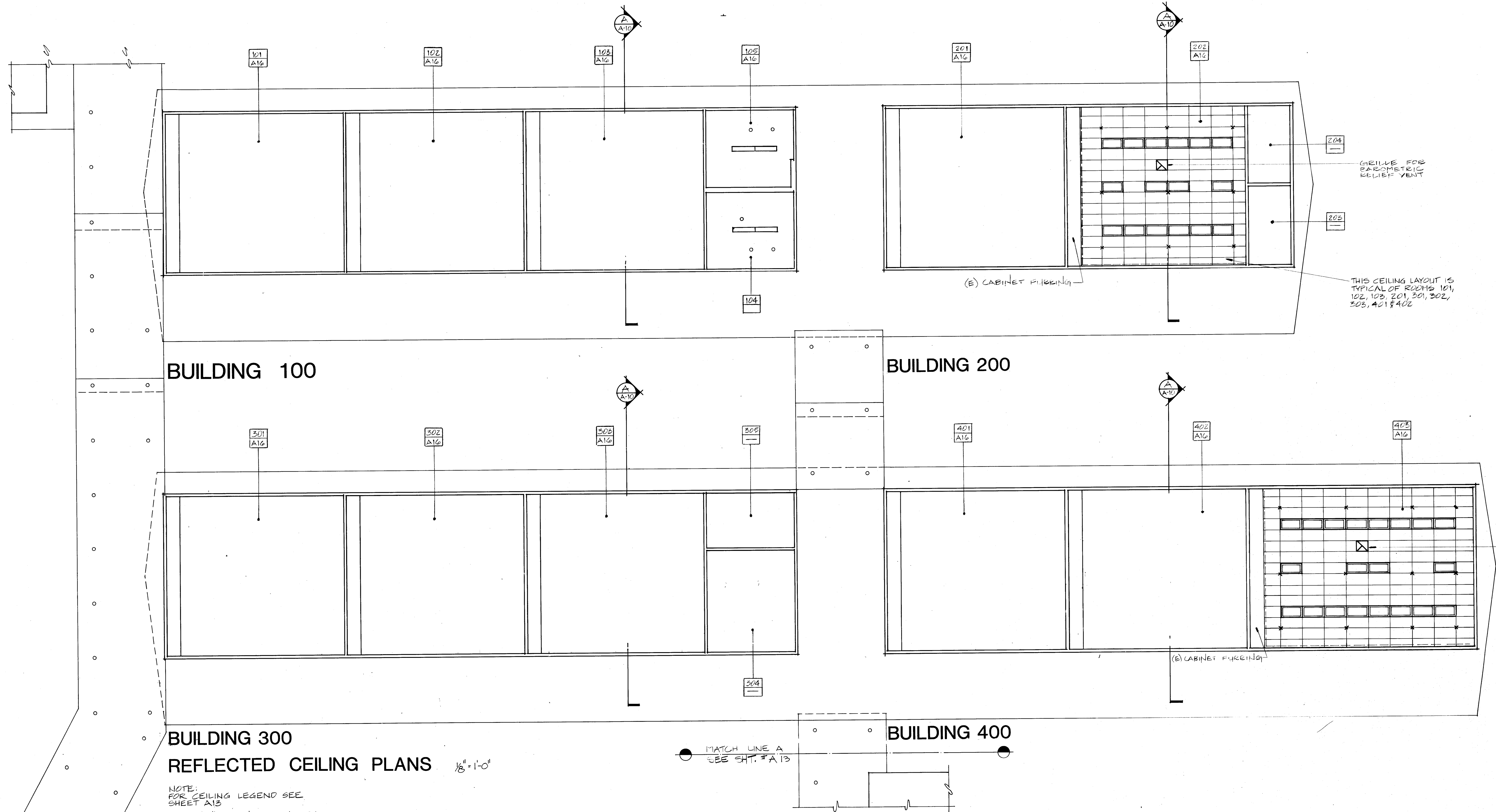
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SECTIONS & SOUTH EXTERIOR ELEVATION 1/4" = 1'-0"

HORACE MANN MODERNIZATION
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 2710 NILES AVENUE
 BAKERSFIELD, CALIFORNIA 93307

job 87-127
 date 1 FEB 87

A-1



BUILDING 100

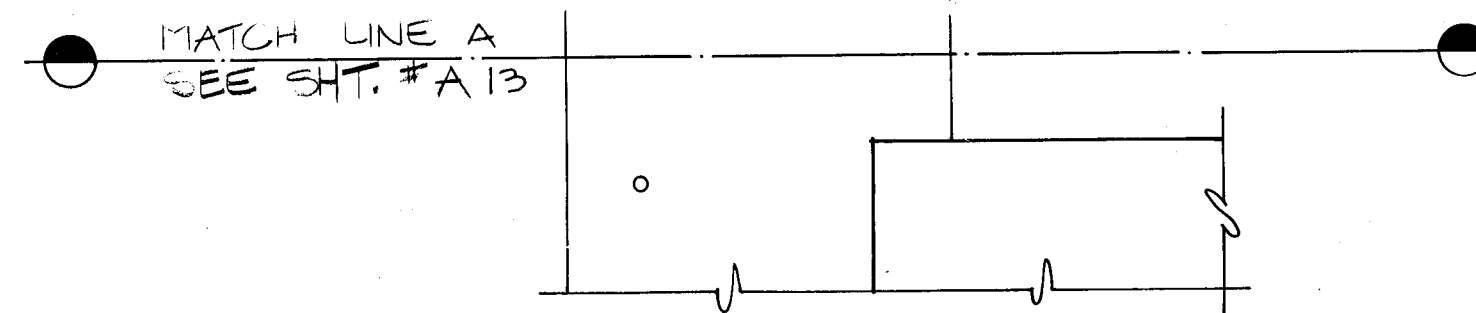
BUILDING 200

BUILDING 300

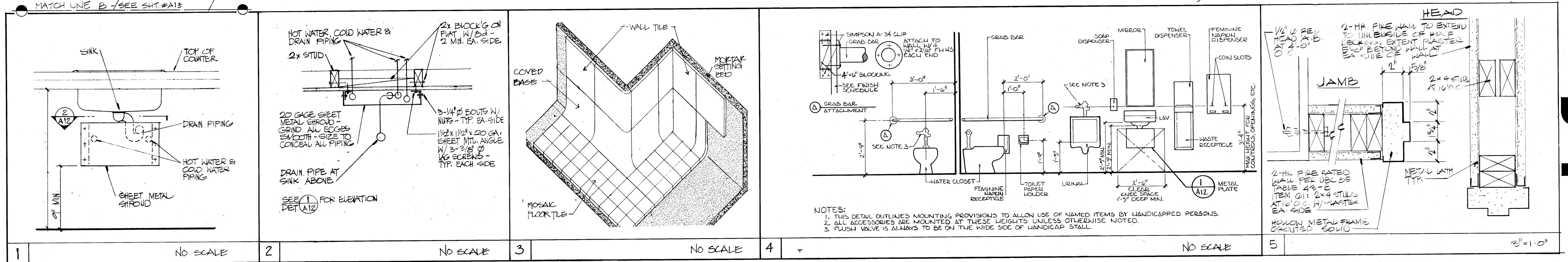
BUILDING 400

REFLECTED CEILING PLANS 1/8" = 1'-0"

NOTE:
FOR CEILING LEGEND SEE SHEET A13
FOR ALTERNATE LIGHTING SEE SHEET A4



MATCH LINE B - SEE SHT. #A13



1 NO SCALE 2 NO SCALE 3 NO SCALE 4 NO SCALE 5 2" = 1'-0"

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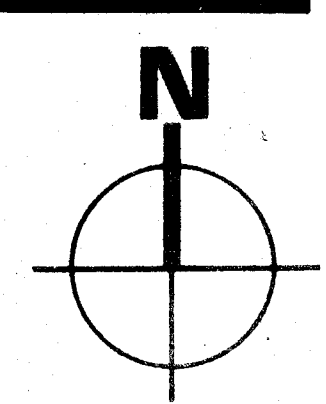
REFLECTED CEILING PLAN, BLDGS. 100, 200, 300 & 400, DETAILS
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2710 NILES AVENUE
BAKERSFIELD, CALIFORNIA 93307

job 87-12.7
date 1 FEB 89

A12

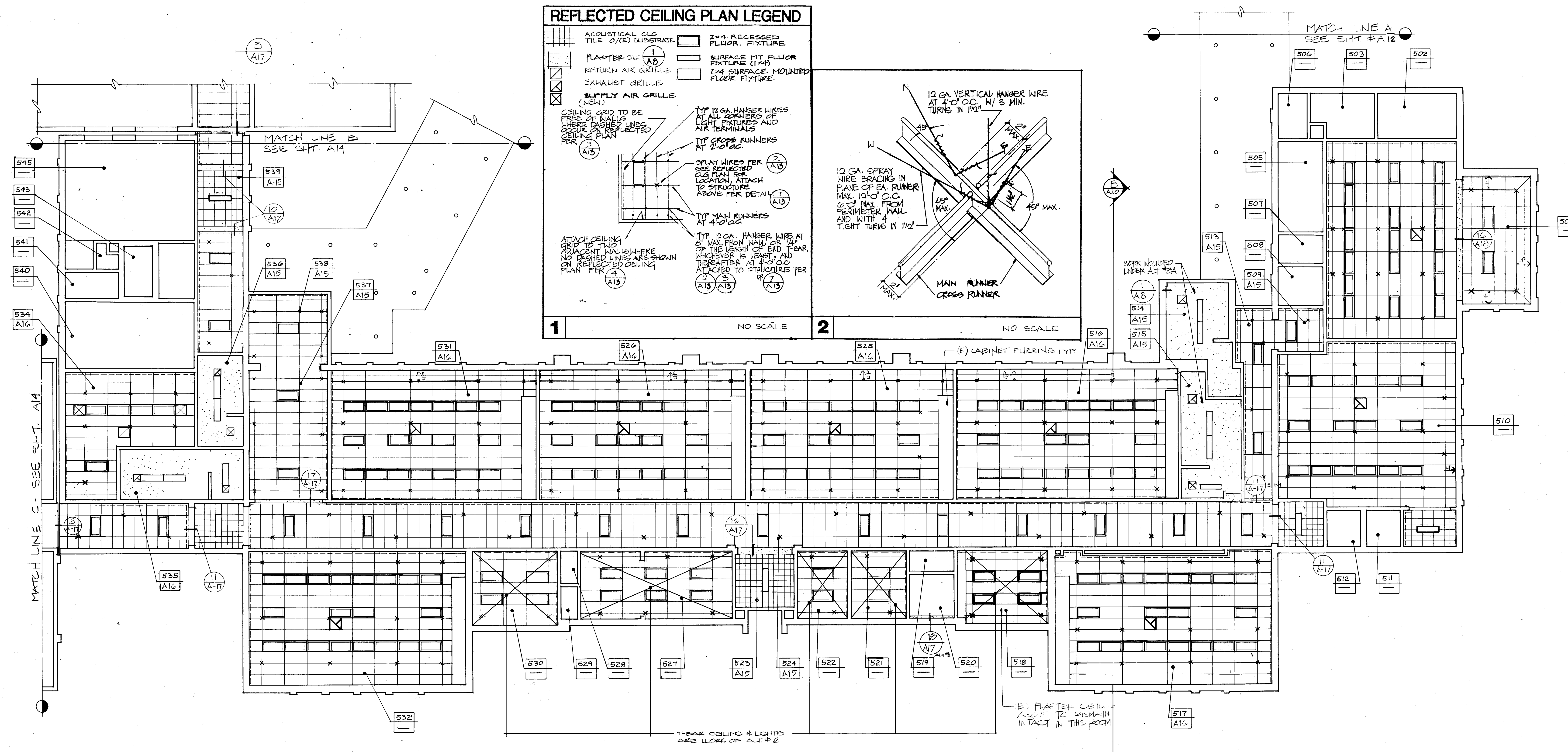
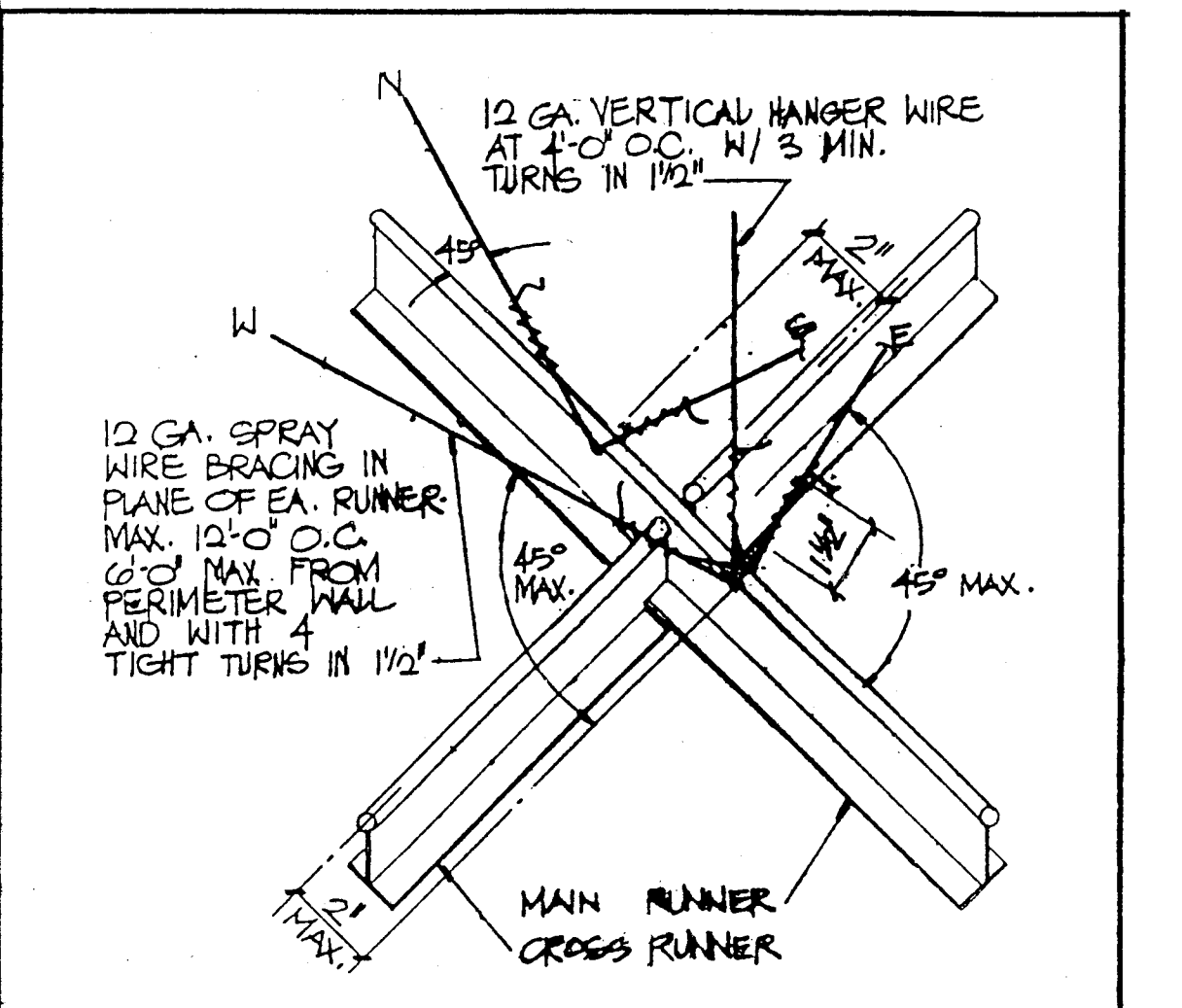
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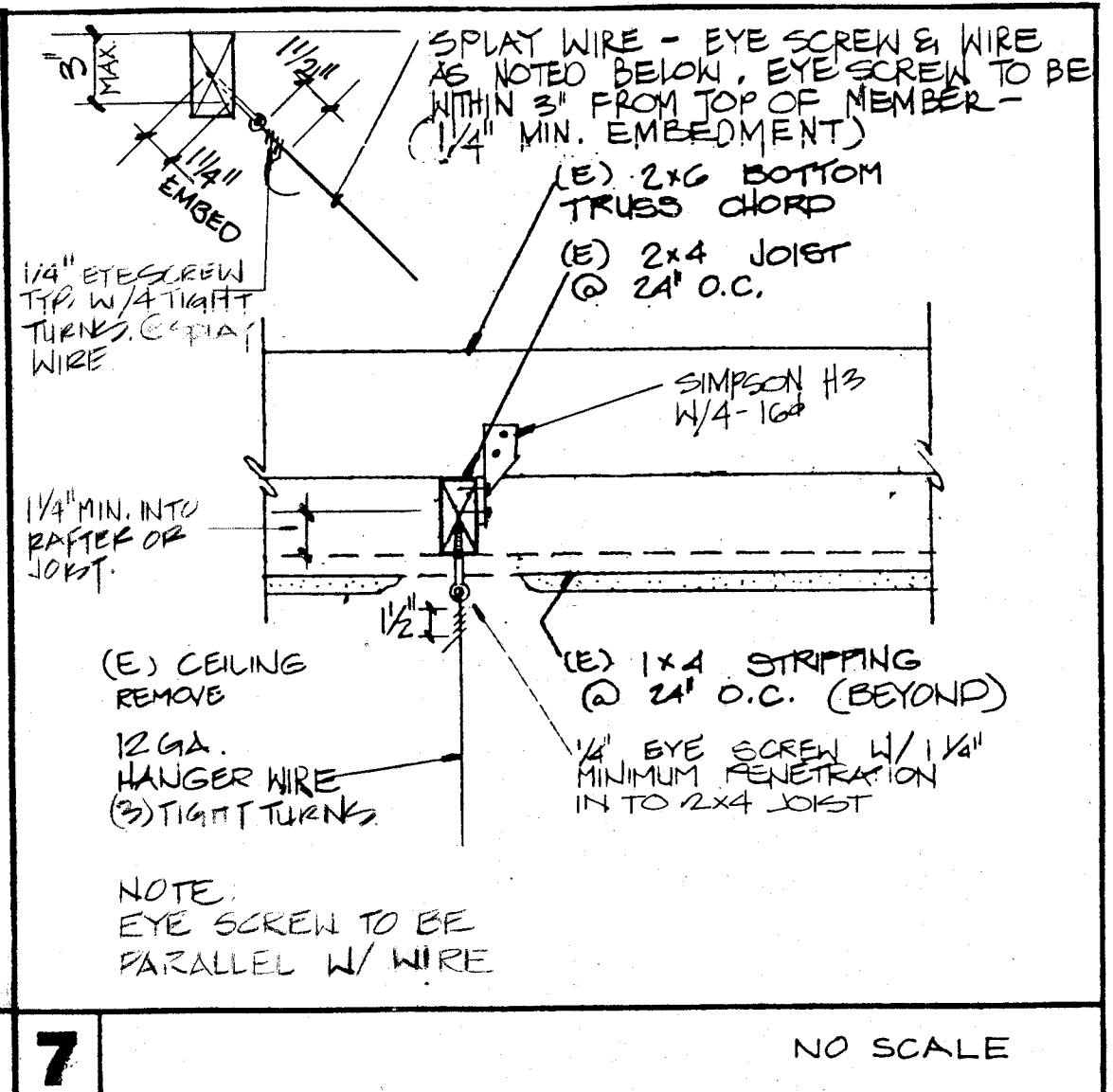
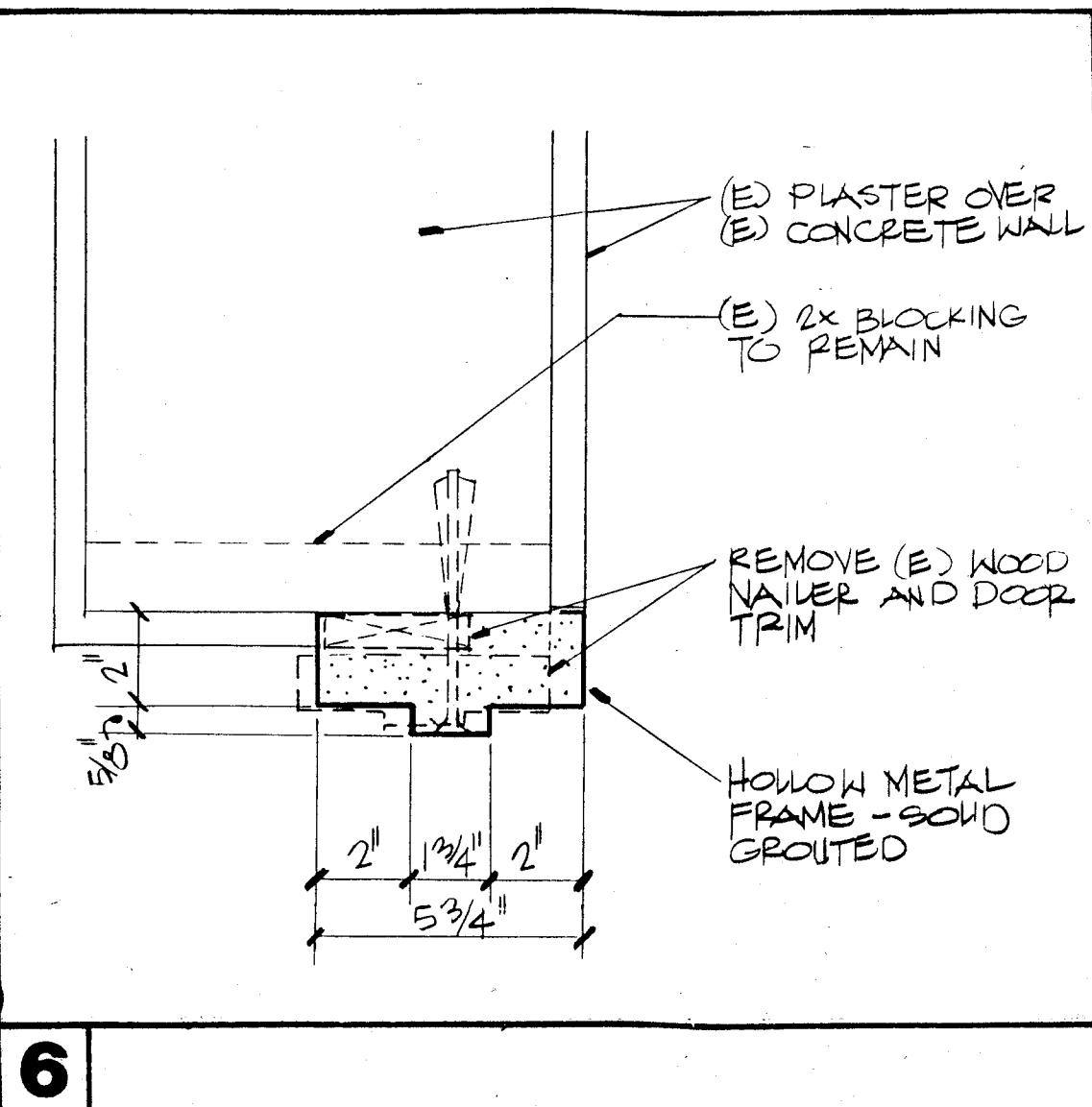
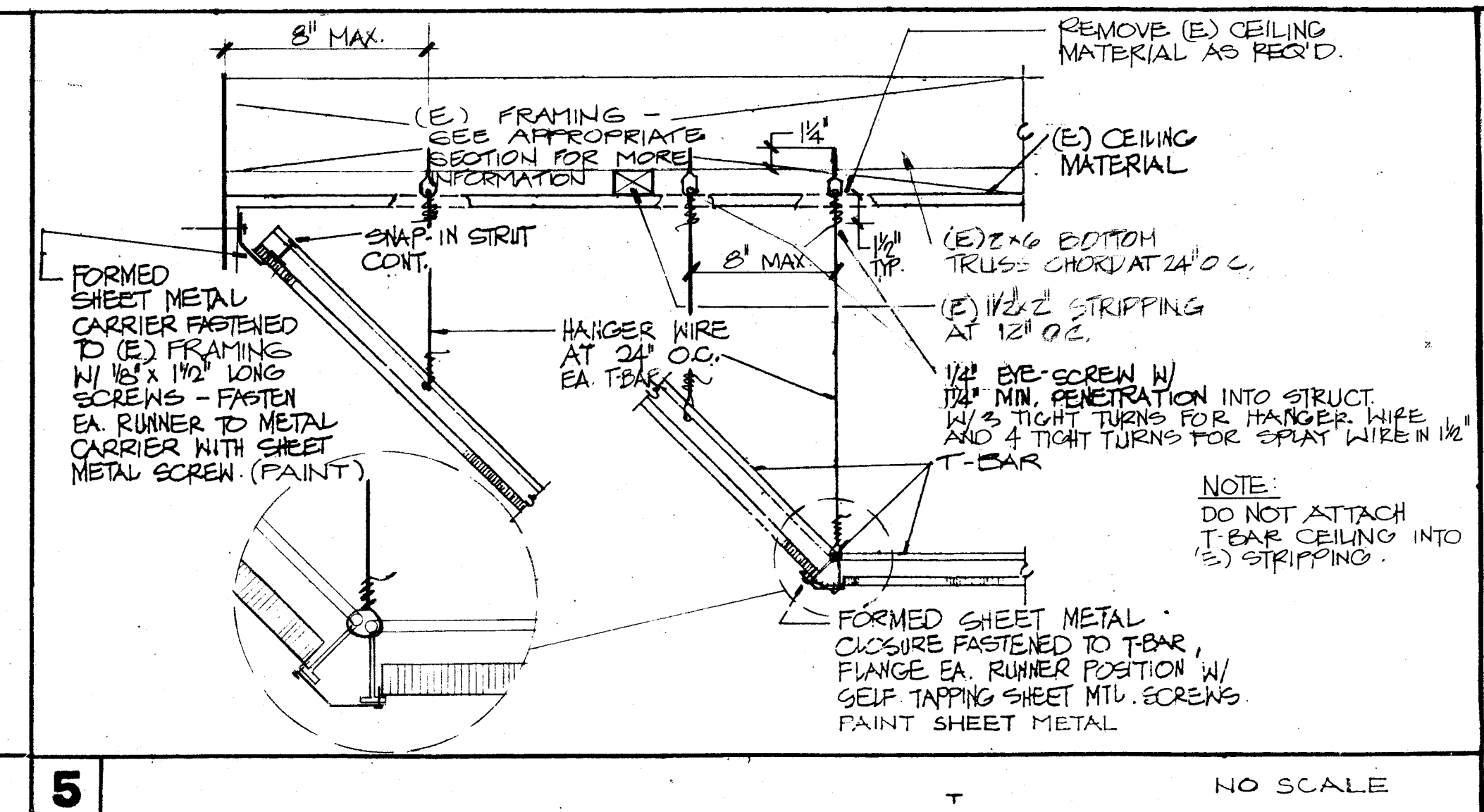
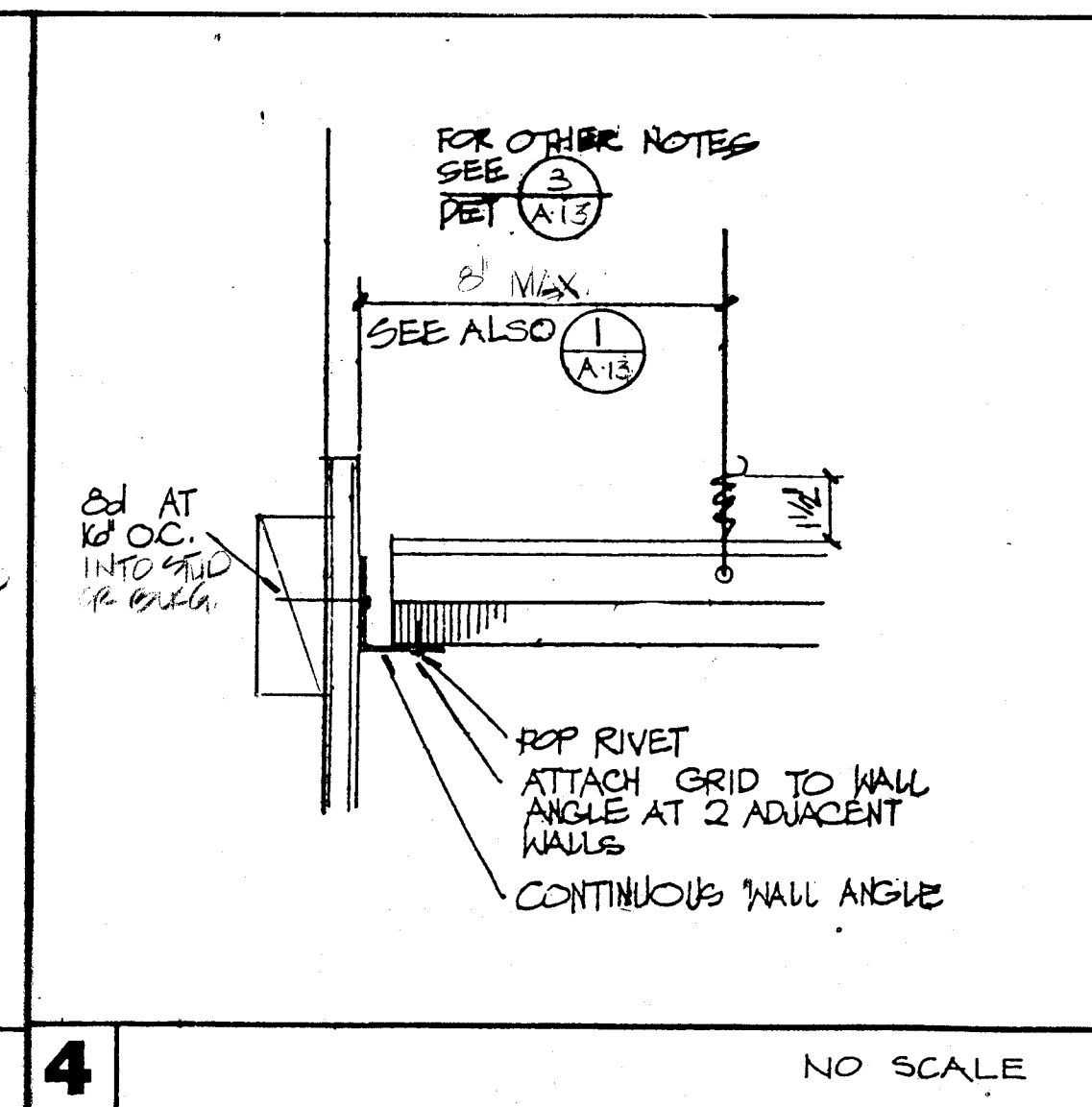
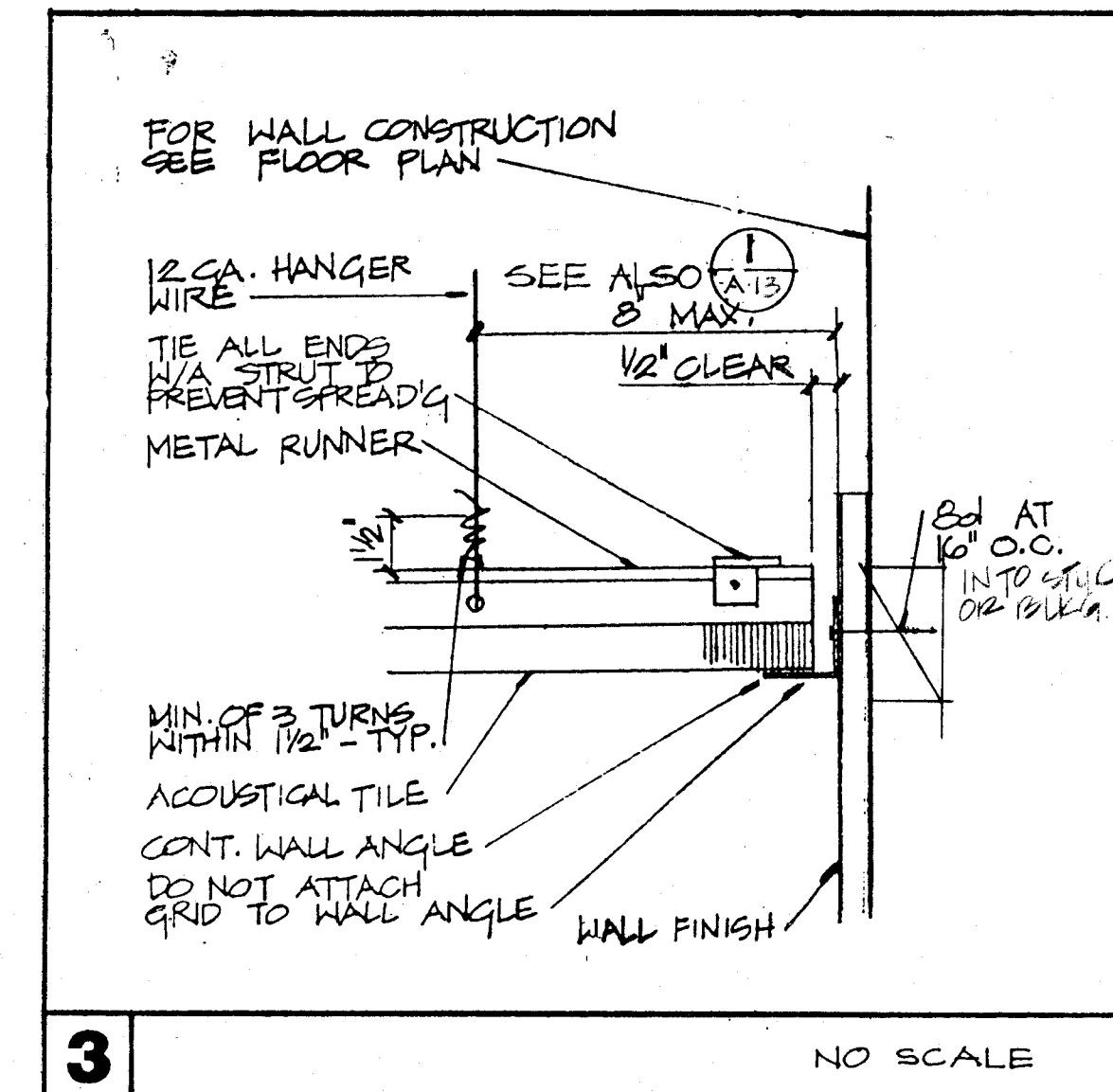
REFLECTED CEILING PLAN LEGEND

- ACOUSTICAL CLG TILE (E) SUBSTRATE
- MASTER SEE (A) 13
- RETURN AIR GRILLE
- EXHAUST GRILLE
- SUPPLY AIR GRILLE (NEW)
- CEILING GRID TO BE FREE OF WALLS WHERE DASHED LINES ARE SHOWN ON REFLECTED CEILING PLAN
- ATTACH CEILING GRID TO THIS ADJACENT WALLS WHERE NO DASHED LINES ARE SHOWN ON REFLECTED CEILING PLAN
- 2x4 RECESSED FLOOR FIXTURE
- SURFACE MT FLOOR FIXTURE
- 2x4 SURFACE MOUNTED FLOOR FIXTURE
- TYP 12 GA. HANGER WIRES AT ALL CORNERS OF ALL FIXTURES AND AIR TERMINALS
- TYP CROSS RUNNERS AT 2'-0" O.C.
- SPLAY WIRES PER SEE REFLECTED CEILING PLAN FOR LOCATION, ATTACH TO STRUCTURE ABOVE PER DETAIL (7) (A) 13
- TYP MAIN RUNNERS AT 4'-0" O.C.
- TYP 12 GA. HANGER WIRE AT 6" MAX. FROM WALL OR 1/4" OF THE LENGTH OF 8' D T-BAR, WHICHEVER IS LEAST, AND THEREAFTER AT 4'-0" O.C. ATTACHED TO STRUCTURE PER (7) (A) 13
- 12 GA. VERTICAL HANGER WIRE AT 4'-0" O.C. W/ 3 MIN. TURNS IN 10"
- 12 GA. SPRAY WIRE BRACING IN PLANE OF EA. RUNNER MAX. 12'-0" O.C. 6'-0" MAX. FROM PERIMETER WALL AND WITH 1 TIGHT TURN IN 10"
- MAIN RUNNER
- CROSS RUNNER



BUILDING 500
REFLECTED CEILING PLAN 1/8"=1'-0"

SEE SHEET A-4 FOR ALTERNATE LISTING



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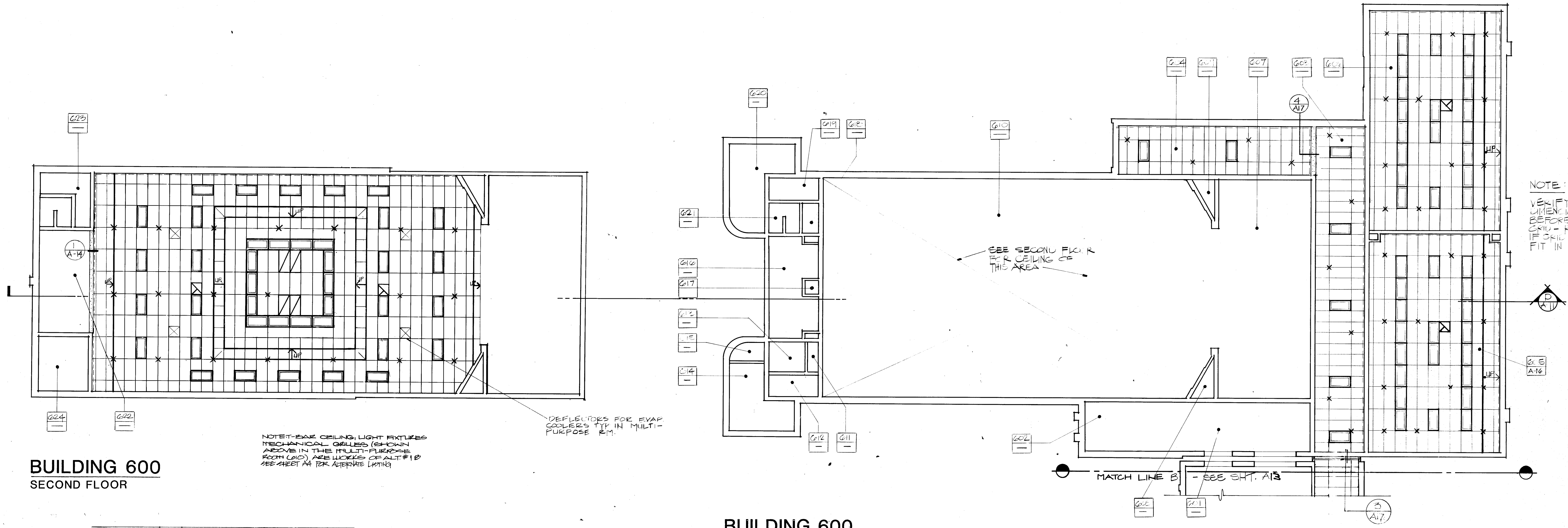
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REFLECTED CEILING PLAN, BLDG. 500 & DETAILS

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BAKERSFIELD, CALIFORNIA 93307

87-127
DATE FEB 87

A13

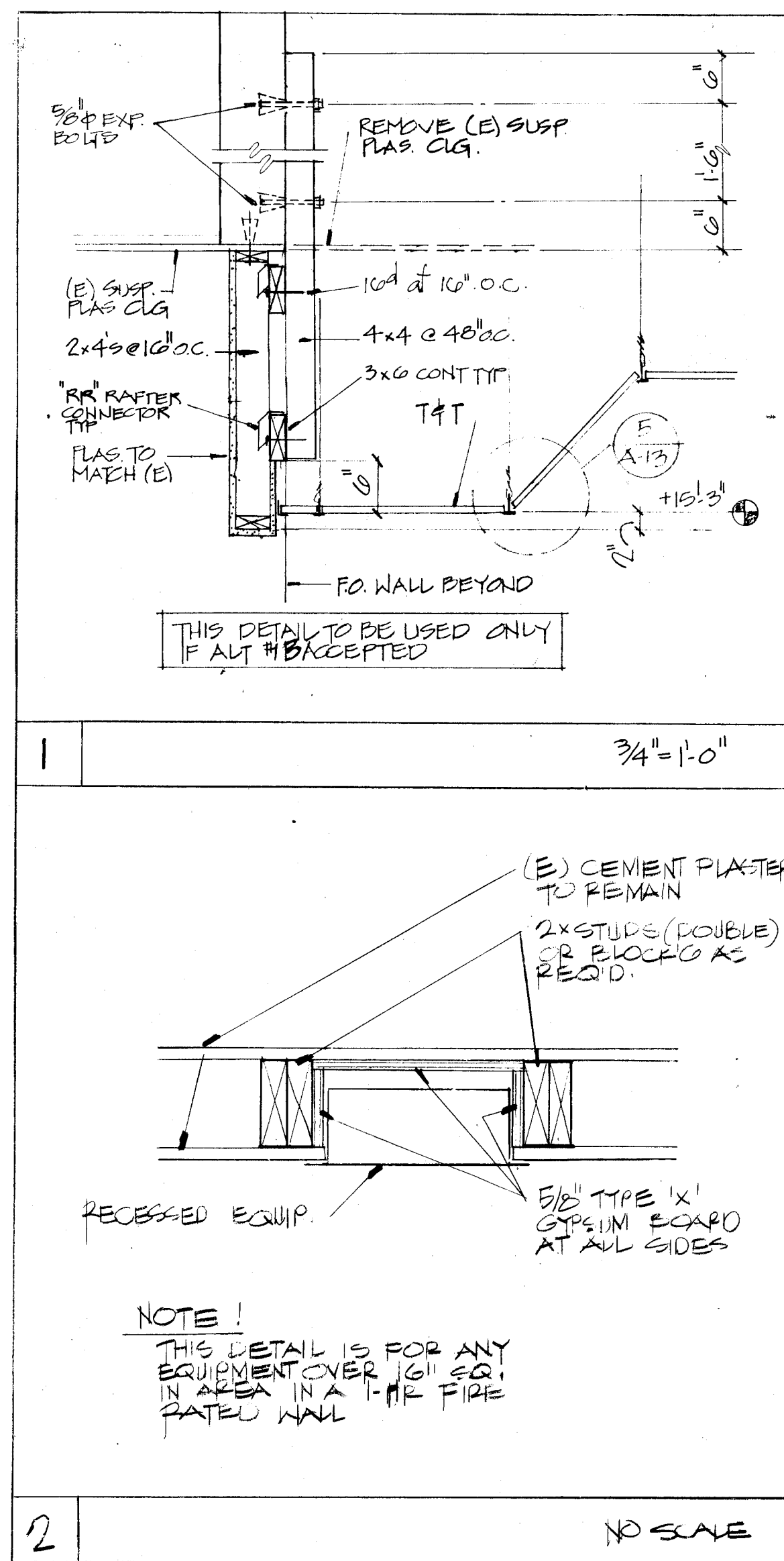


BUILDING 600
SECOND FLOOR

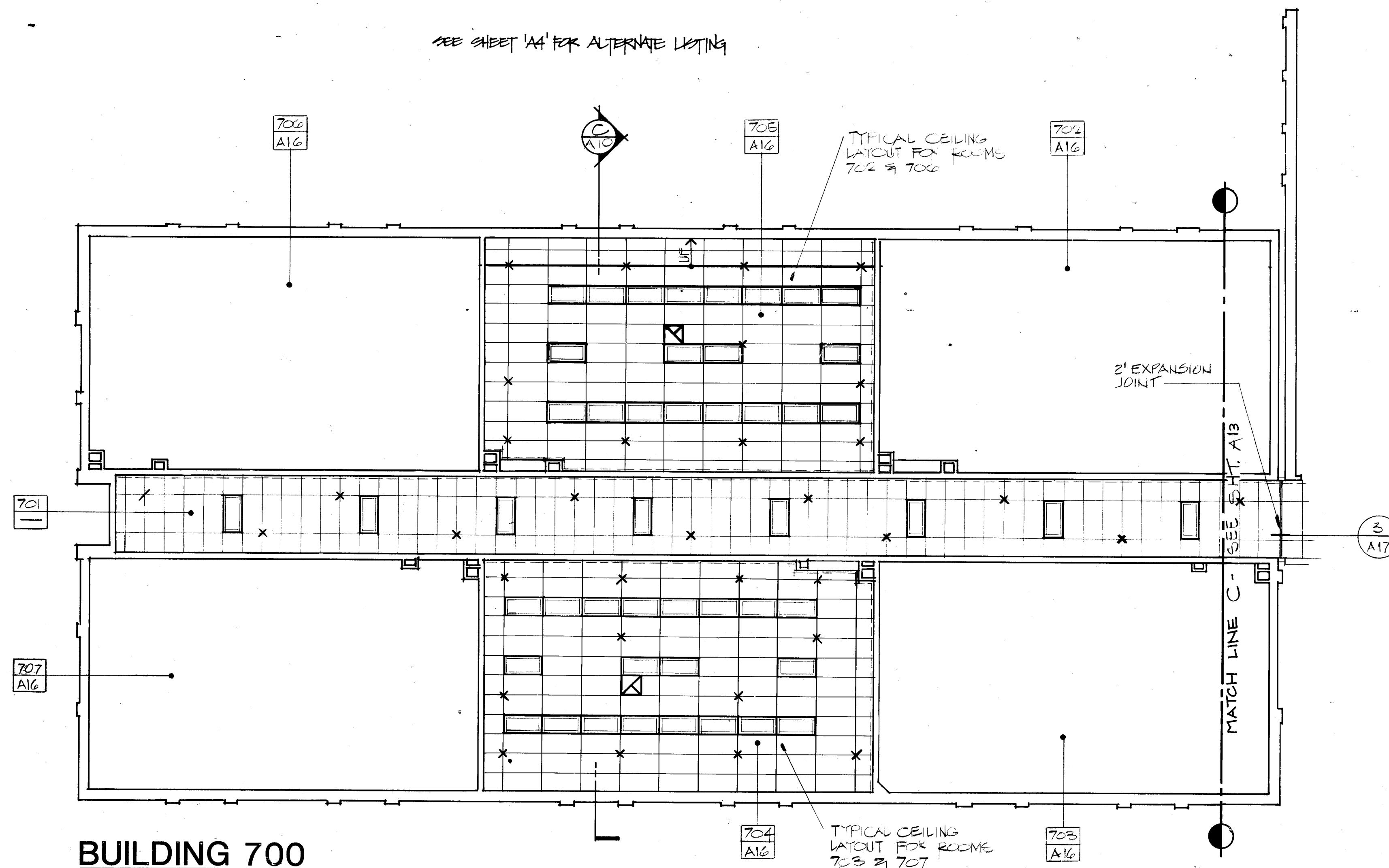
NOTE: THESE CEILING, LIGHT FIXTURES MECHANICAL GRILLES (SHOWN ABOVE IN THE MULTI-PURPOSE ROOM (G05)) ARE WORKS OF ART #10 SEE SHEET A4 FOR ALTERNATE LISTING

BUILDING 600

SEE SHEET A4 FOR ALTERNATE LISTING



NOTE!
THIS DETAIL IS FOR ANY EQUIPMENT COVER (G15) IN AREA IN A 1-1/2\"/>



BUILDING 700

REFLECTED CEILING PLAN

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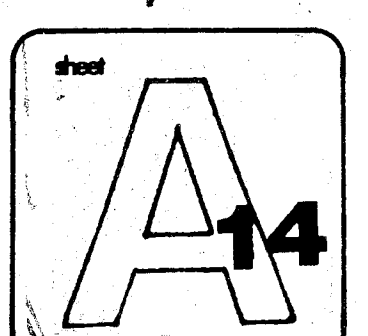
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REFLECTED CEILING PLAN, BUDGS. 600 & 700 1/8"=1'-0"

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BAKERSFIELD, CALIFORNIA 93307

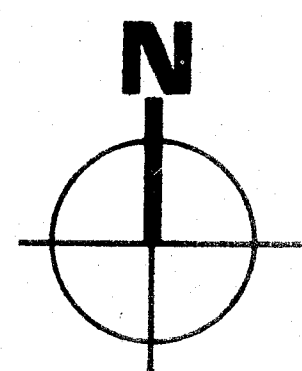
job 87-127

date 1 FEB 89

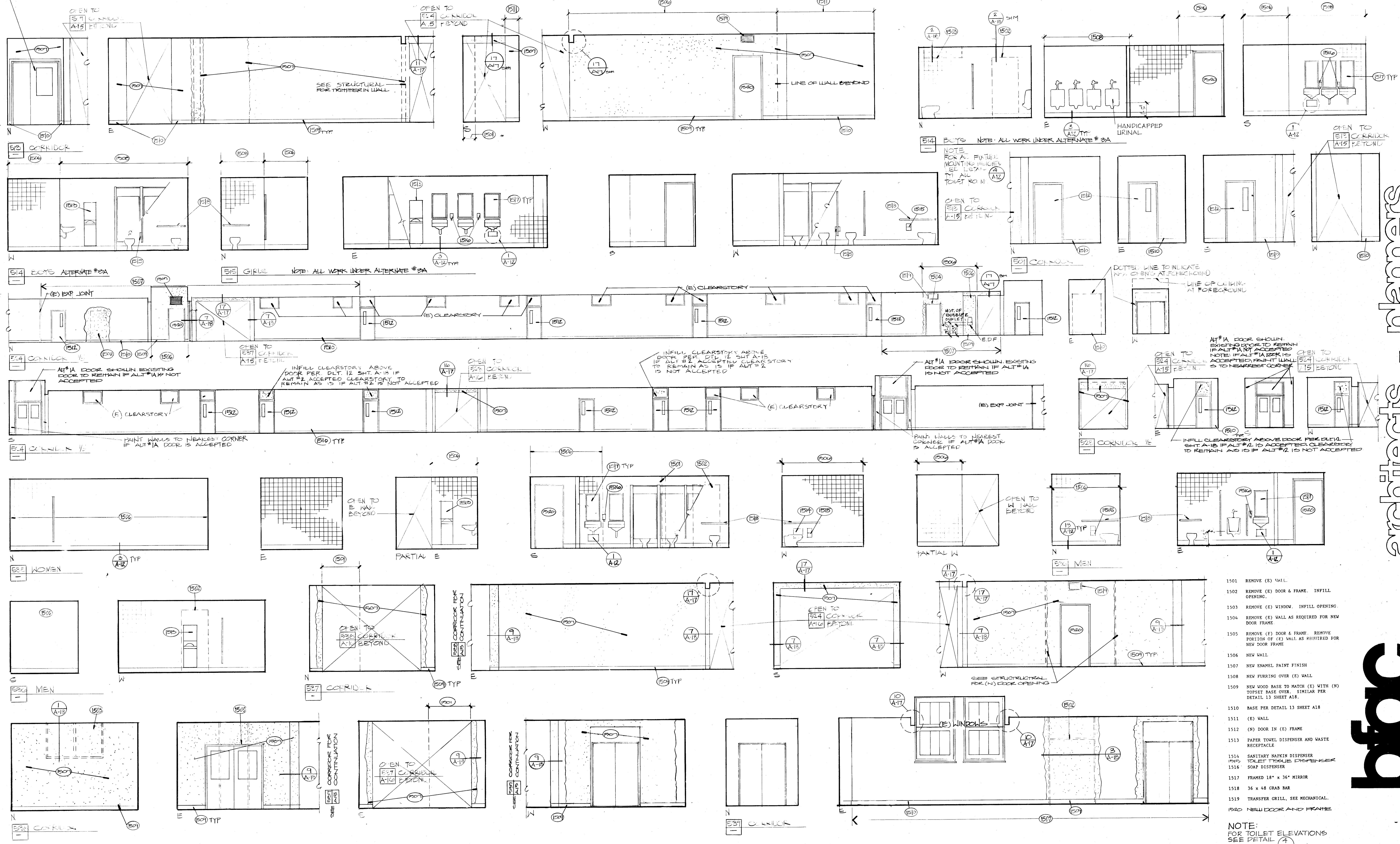


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ALT #1A DOOR SHOWN EXISTING
DOOR TO REMAIN IF ALT #1A IS
NOT ACCEPTED



- 1501 REMOVE (E) WALL.
 - 1502 REMOVE (E) DOOR & FRAME. INFILL OPENING.
 - 1503 REMOVE (E) WINDOW. INFILL OPENING.
 - 1504 REMOVE (E) WALL AS REQUIRED FOR NEW DOOR FRAME
 - 1505 REMOVE (E) DOOR & FRAME REMOVE PORTION OF (E) WALL AS REQUIRED FOR NEW DOOR FRAME
 - 1506 NEW WALL
 - 1507 NEW ENAMEL PAINT FINISH
 - 1508 NEW FURNISH OVER (E) WALL
 - 1509 NEW WOOD BASE TO MATCH (E) WITH (N) TOPSET BASE OVER. SIMILAR PER DETAIL 13 SHEET A18.
 - 1510 BASE PER DETAIL 13 SHEET A18
 - 1511 (E) WALL
 - 1512 (N) DOOR IN (E) FRAME
 - 1513 PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
 - 1514 SANITARY NAPKIN DISPENSER
 - 1515 TOILET TISSUE DISPENSER
 - 1516 SOAP DISPENSER
 - 1517 FRAMED 18" x 36" MIRROR
 - 1518 36 x 48 GRAB BAR
 - 1519 TRANSFER GRILL, SEE MECHANICAL.
 - 1520 NEW DOOR AND FRAME
- NOTE:
FOR TOILET ELEVATIONS
SEE DETAIL (A-12)

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PROJECT

SCALE

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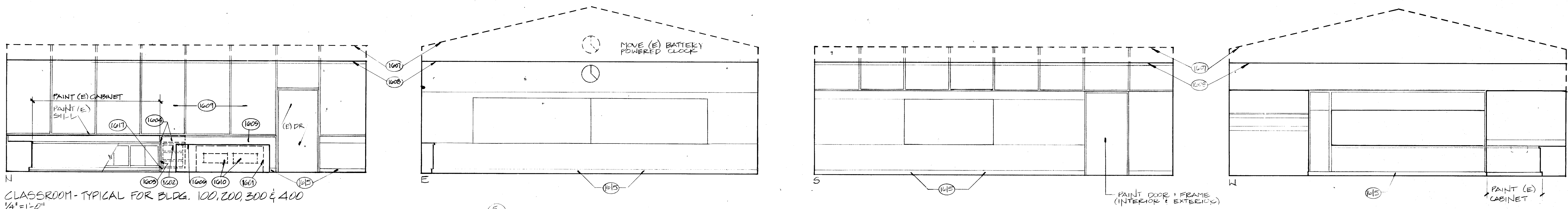
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INTERIOR ELEVATIONS
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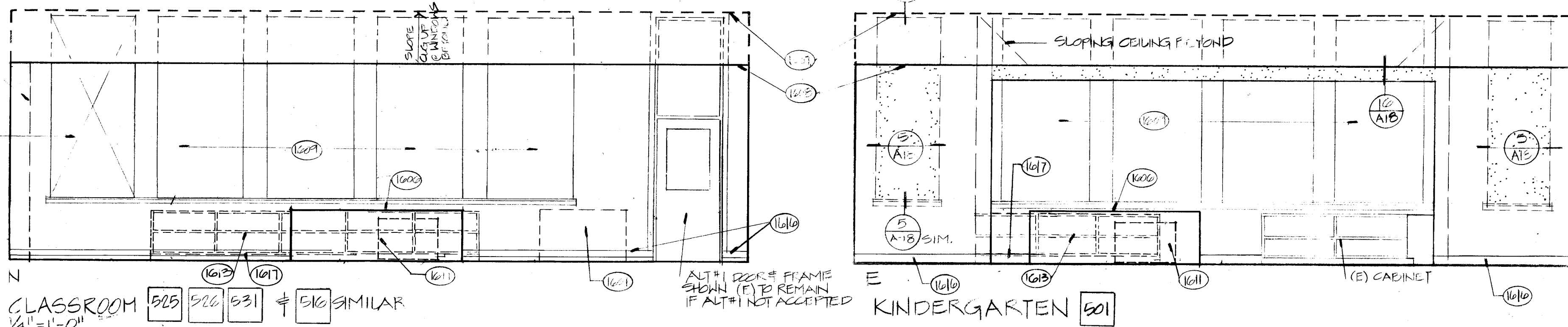
A15



CLASSROOM-TYPICAL FOR BLDG. 100, 200, 300 & 400
1/4"=1'-0"

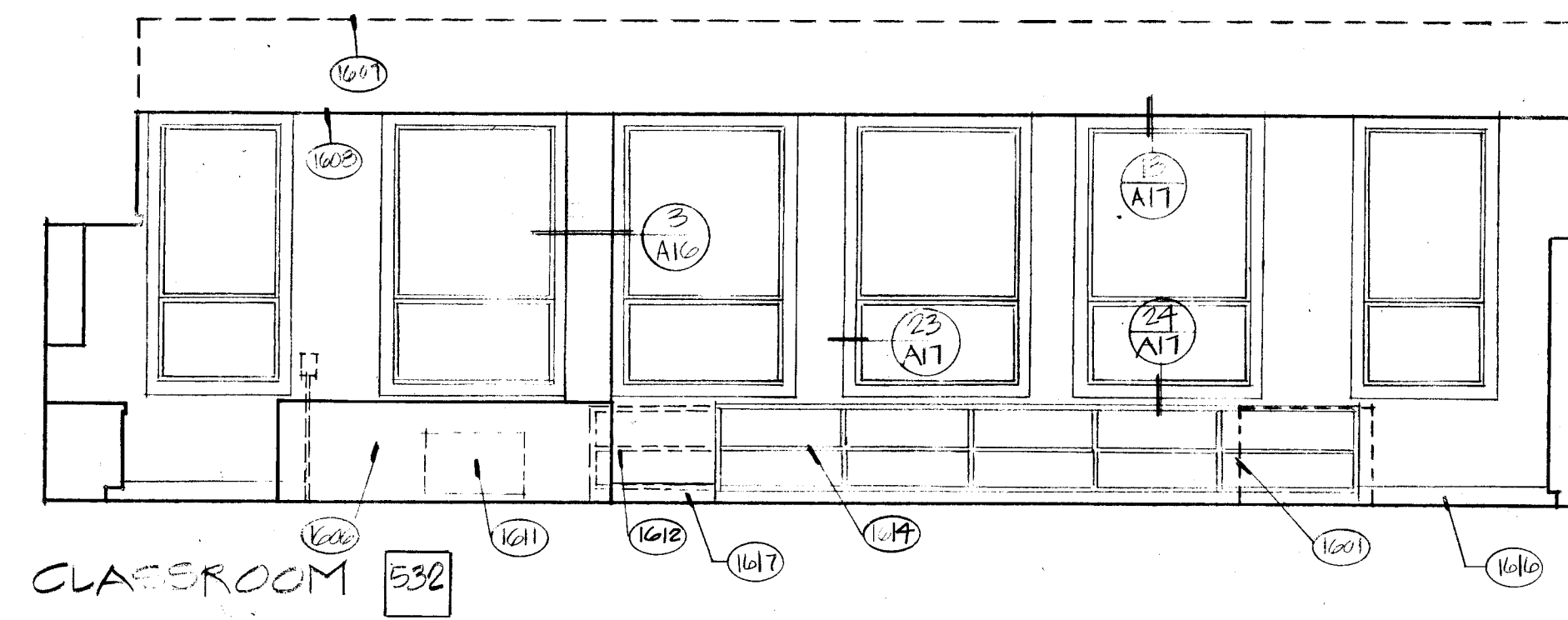
PIPE CHASE PER DTL 6/14/10 IN CLASSROOM 521

REMOVE (E) WINDOW & INFILL OPENING PER DTL 4/10/10 IN CLAS. ROOM 521 ONLY. (E) WINDOWS TO REMAIN IN OTHER CLASSROOMS

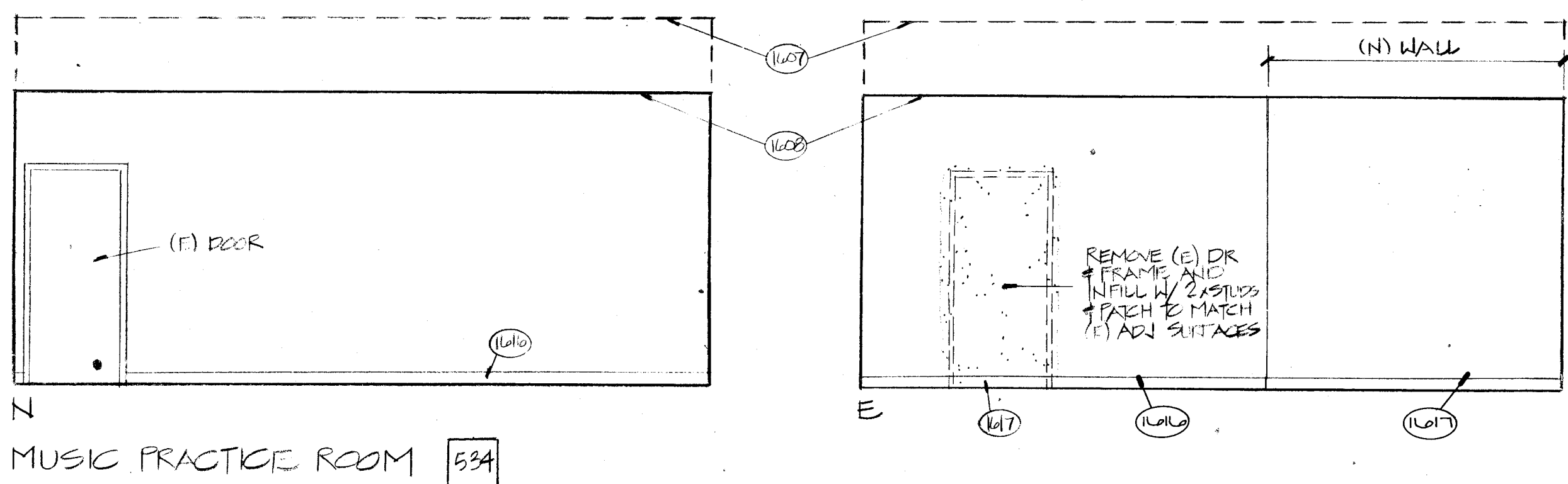


CLASSROOM 525, 526, 531 & 510 SIMILAR
1/4"=1'-0"

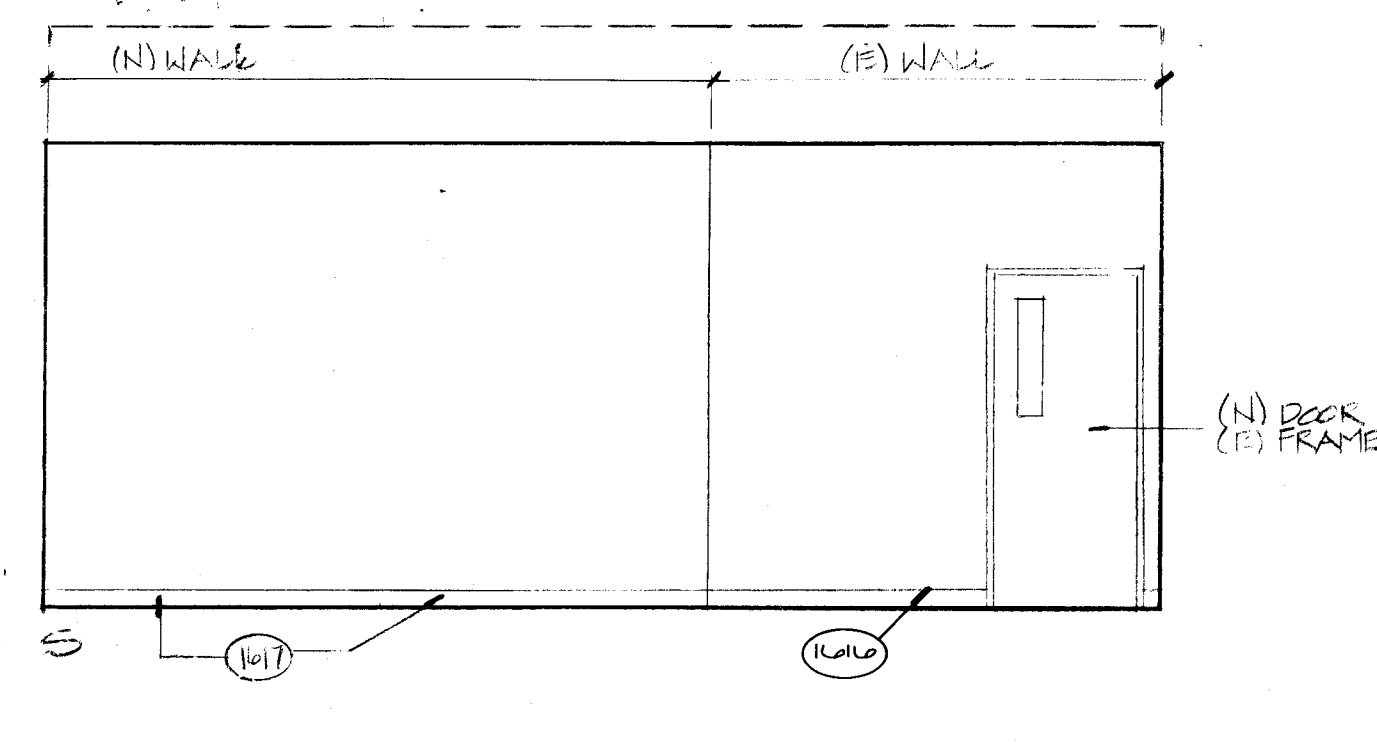
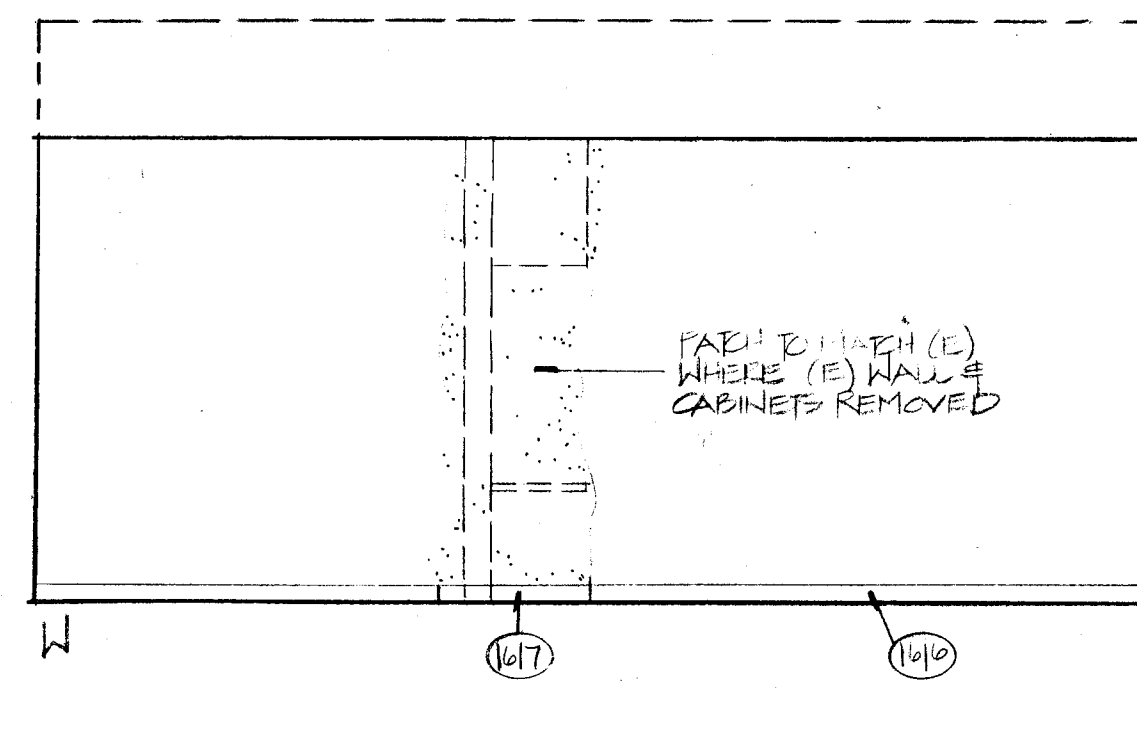
KINDERGARTEN 501



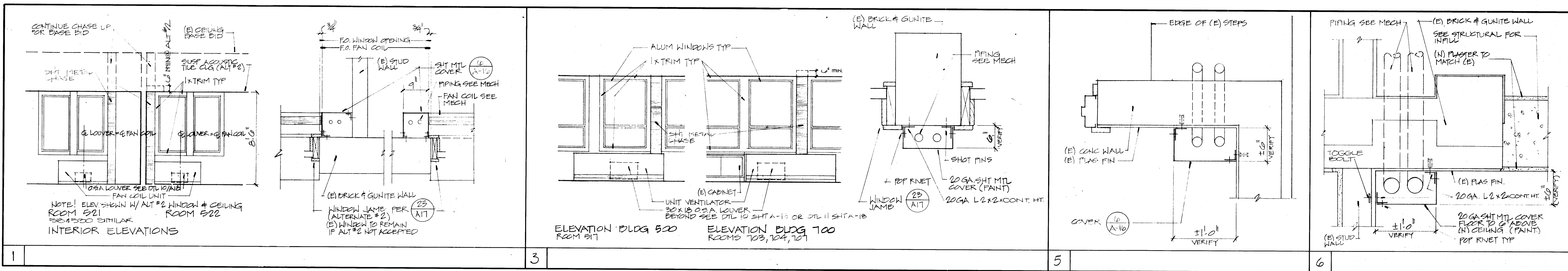
CLASSROOM 532



MUSIC PRACTICE ROOM 534



- KEY NOTES
- 1601 SEE MECHANICAL DRAWINGS FOR REMOVAL OF (E) UNIT VENTILATOR.
 - 1602 REMOVE PORTION OF (E) CABINET TO NEAREST VERTICAL DIVIDER.
 - 1603 NEW END PANEL
 - 1604 REMOVE (E) LINOLINUM TOP, BACKSPASH AND MTL. TRIM. REUSE (E) TRIM OR PROVIDE NEW TO CAP OFF WHERE CUT.
 - 1605 REMOVE (E) CORK BOARD FACING AND MTL. TRIM. PROVIDE (N) TO MATCH EXISTING BEHIND (N) UNIT VENTILATOR.
 - 1606 NEW UNIT VENTILATOR - SEE MECHANICAL DRAWINGS.
 - 1607 (E) CEILING HEIGHT
 - 1608 (N) CEILING HEIGHT
 - 1609 (E) WINDOWS
 - 1610 (E) O.S.A. LOUVERS (BEYOND) TO REMAIN.
 - 1611 O.S.A. LOUVER (BEYOND) SEE DETAIL 10, SHEET A18
 - 1612 REMOVE (E) CABINET AND RELOCATE AS SHOWN
 - 1613 REMOVE (E) CABINET
 - 1614 RELOCATED (E) CABINET
 - 1615 BASE PER DTL 13 SHIT A-18
 - 1616 BASE PER DTL 13 SHIT A-18 TYP ALL AROUND ROOM
 - 1617 (N) W/D BASE SIM PER DTL 13 OR 18 SHIT A-18 WHERE CABINET OR OTHER ITEM REMOVED



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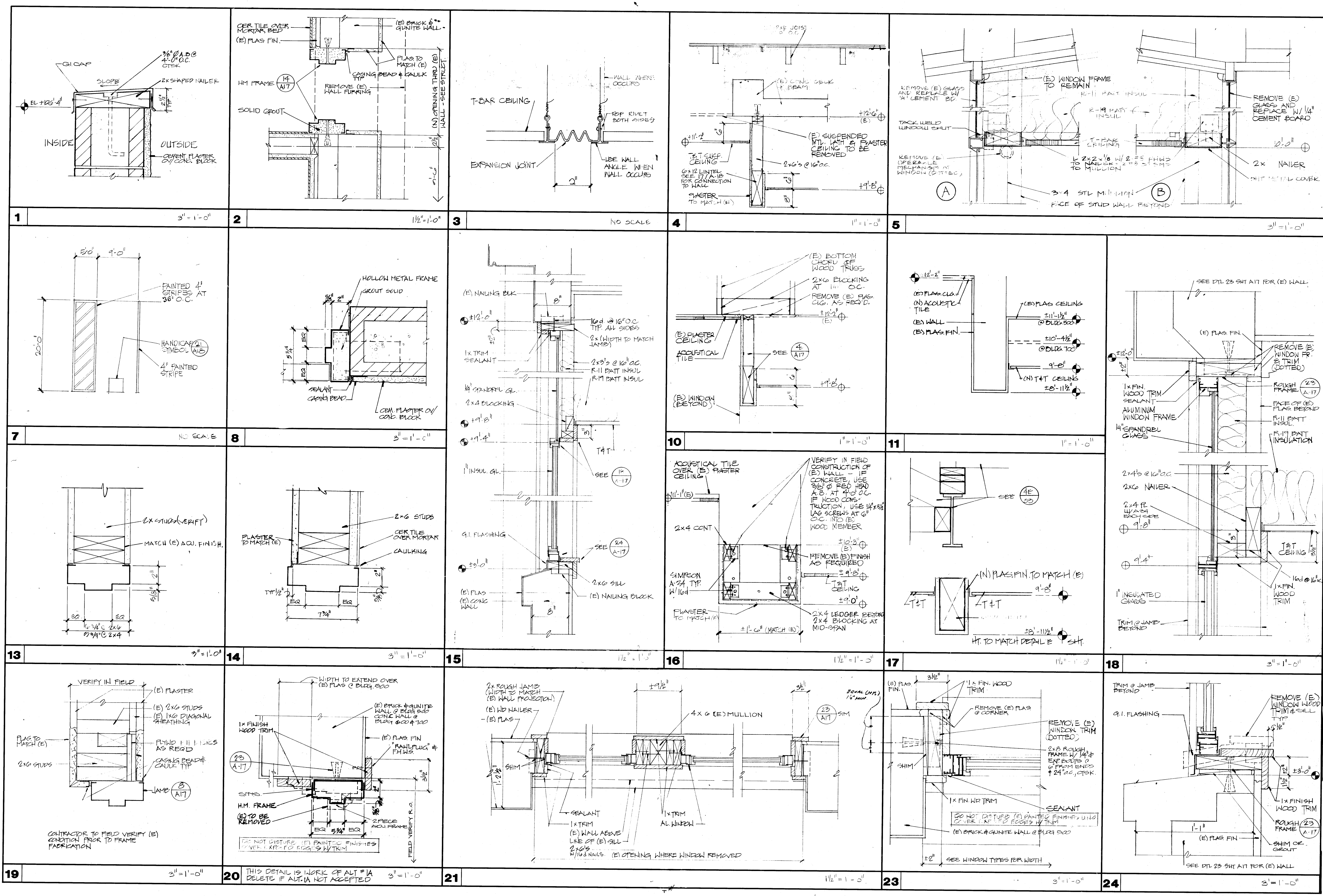
INTERIOR ELEVATIONS, DETAILS
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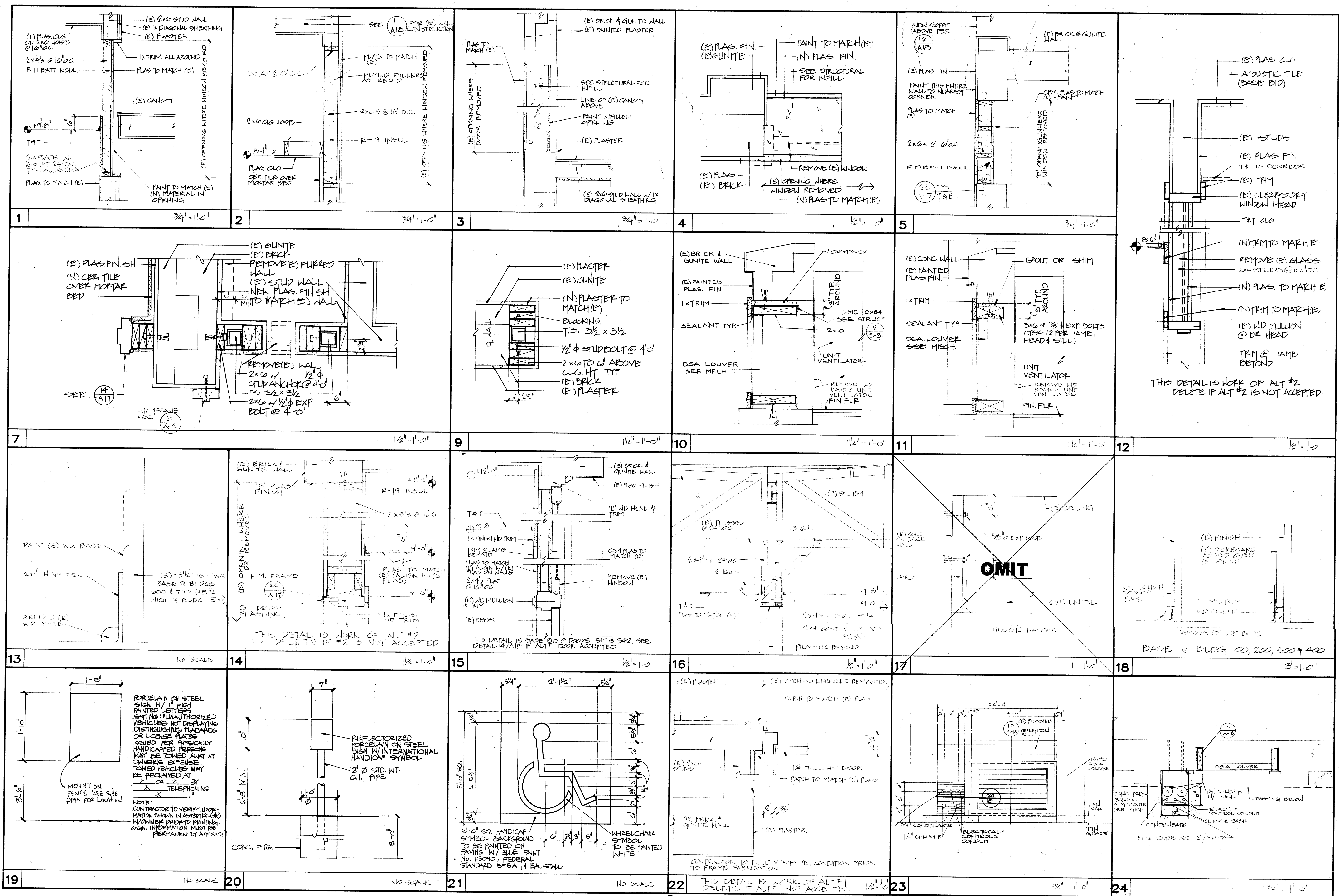
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sheet
A-17



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BASE

DETAIL

IDENTIFICATION STAMP
Professional Seal
Structural Safety Engineer

DR GERTAL

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#87 127
1 FEB 87

A18

GENERAL

TYPICAL DETAILS AND GENERAL NOTES SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY SHOWN OTHERWISE ON THE DRAWINGS...

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL, ELECTRICAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS...

WHERE CONSTRUCTION MATERIALS ARE TEMPORARILY STORED ON THE ROOF FRAMING, THEY SHALL BE DISTRIBUTED SO THAT THE LOAD DOES NOT EXCEED 20 LBS/SF...

- 1. VERIFY ALL (E) EXISTING CONDITIONS AND DIMENSIONS AND REPORT ANY DIFFERENCES IN ASSUMED CONDITIONS TO THE ARCHITECT PRIOR TO PROCEEDING.
2. PROVIDE & BE SOLELY RESPONSIBLE FOR ALL TEMPORARY SHORING, GUYS AND BRACING NECESSARY FOR STRUCTURAL WORK SHOWN ON THESE DRAWINGS.
3. PERFORM ALL WORK AND RECEIVE ALL TESTS AND INSPECTIONS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, DRAWINGS AND TITLE 24, PART 2 OF THE CALIFORNIA ADMINISTRATIVE CODE.

FOUNDATIONS

FOOTINGS AND SLABS SHALL BE PLACED ONLY ON FIRM BEARING AND NOT ON LOOSE SOIL OR UNCOMPACTED FILL.
SOIL TYPE: SANDY LOAM.
BASIC ALLOWABLE BEARING PRESSURE: 1000 PSF (PER USC TABLE 2-1.3 CLASS B)

REINFORCING STEEL

MATERIALS SHALL BE GRADE 40, CONTINUOUS, DEFORMED BARS, CONFORMING TO ASTM A615.
CONCRETE SHALL BE GRADE 40, CONTINUOUS, DEFORMED BARS, CONFORMING TO ASTM A615.

CONCRETE

MATERIALS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
PORTLAND CEMENT (ONE BRAND ONLY, DOMESTIC).....ASTM C150
WATER.....DOMESTIC SUPPLY
AGGREGATES (FINE & COARSE).....ASTM C33

CONCRETE MIX AND CONSTRUCTION SHALL CONFORM TO THE FOLLOWING:
ALL CONCRETE SHALL BE TYPE II, REGULAR WEIGHT (145 LBS)
MINIMUM ULTIMATE COMPRESSIVE STRENGTH @ 28 DAYS... 3000 PSI

Table with columns: TYPE OF MATERIALS, TYPE OF TEST, BOLT DIAMETER (3/8, 1/2, 5/8, 3/4), and corresponding values for Hard Rock and Concrete.

MASONRY

CONCRETE BLOCK SHALL BE GRADE N-1, MEDIUM OR LIGHT WEIGHT (WITH A DRY NET WEIGHT OF NOT MORE THAN 115 LBS. PER CUBIC FOOT).

MINIMUM MORTAR STRENGTH @ 28 DAYS.....1800 PSI MIX PER SECT. 2-2403(f)
MINIMUM GROUT STRENGTH @ 28 DAYS.....2000 PSI MIX PER SECT. 2-2403(i)

FILL ALL CELLS WITH GROUT. NO SPLICES SHALL BE PERMITTED IN VERTICAL REINFORCING EXCEPT WHERE DETAILED ON THE DRAWINGS.

ALL MASONRY WORK SHALL BE CONTINUOUSLY INSPECTED BY AN OSA APPROVED INSPECTOR.

STRUCTURAL STEEL

MATERIALS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
SHAPES, PLATES, BARS, RODS.....ASTM A36...Py=36 ksi
PIPES.....GRADE B, ASTM A53...Py=35 ksi

WELDING SHALL BE DONE BY THE ELECTRIC SHIELDED ARC OR SUBMERGED ARC PROCESS.
WELDERS SHALL BE CERTIFIED AND WORK DONE IN ACCORDANCE WITH THE STRUCTURAL WELDING CODES, AWS D1.1.

ALL WELDING SHALL BE INSPECTED BY AN OSA APPROVED INSPECTOR PER TITLE 24, SECTION 2-2727 (e).

WOOD

FRAMING LUMBER SHALL BE GRADE MARKED AS FOLLOWS (U.N.O.):
2X4 & SMALLER (DOUGLAS FIR).....CONSTRUCTION OR BETTER
2X6 & DEEPER (DOUGLAS FIR).....NO. 2

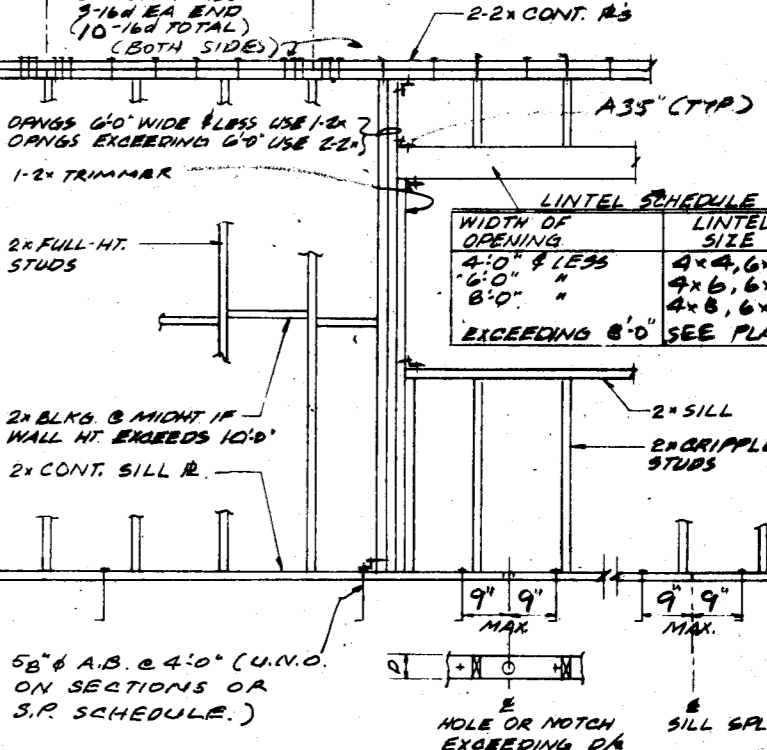
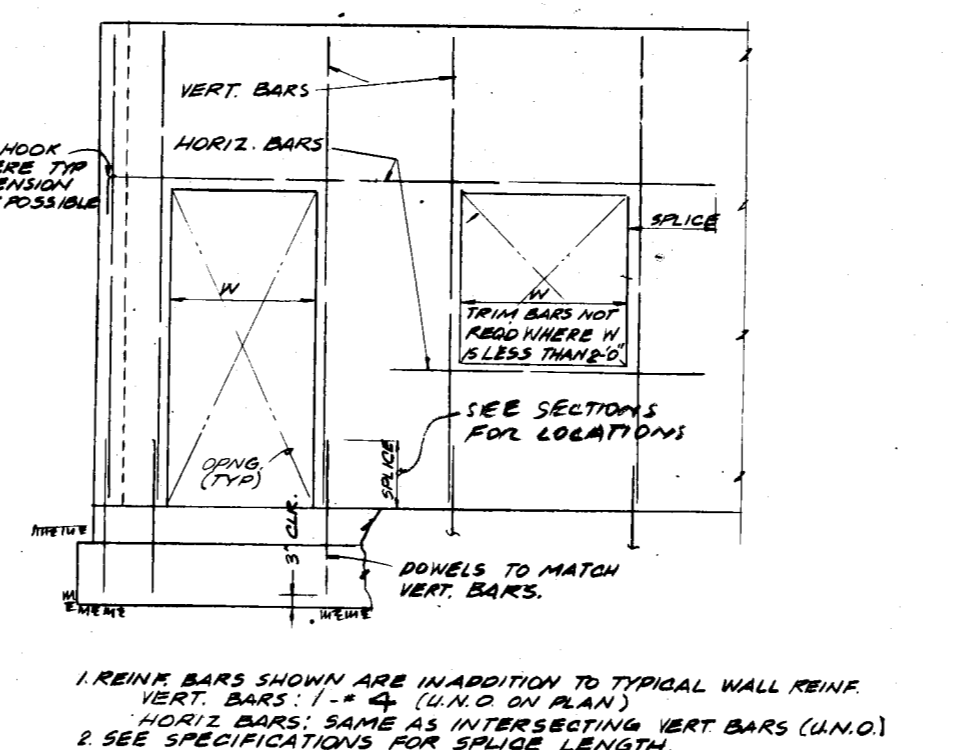
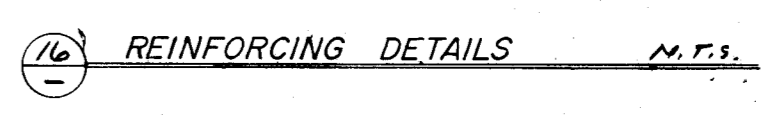
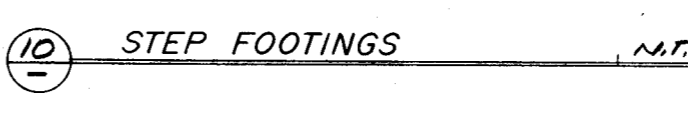
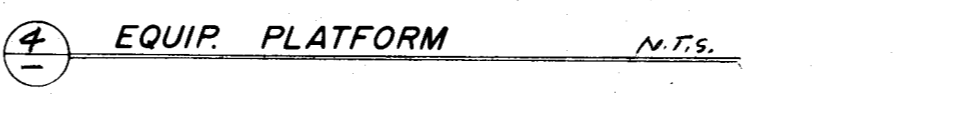
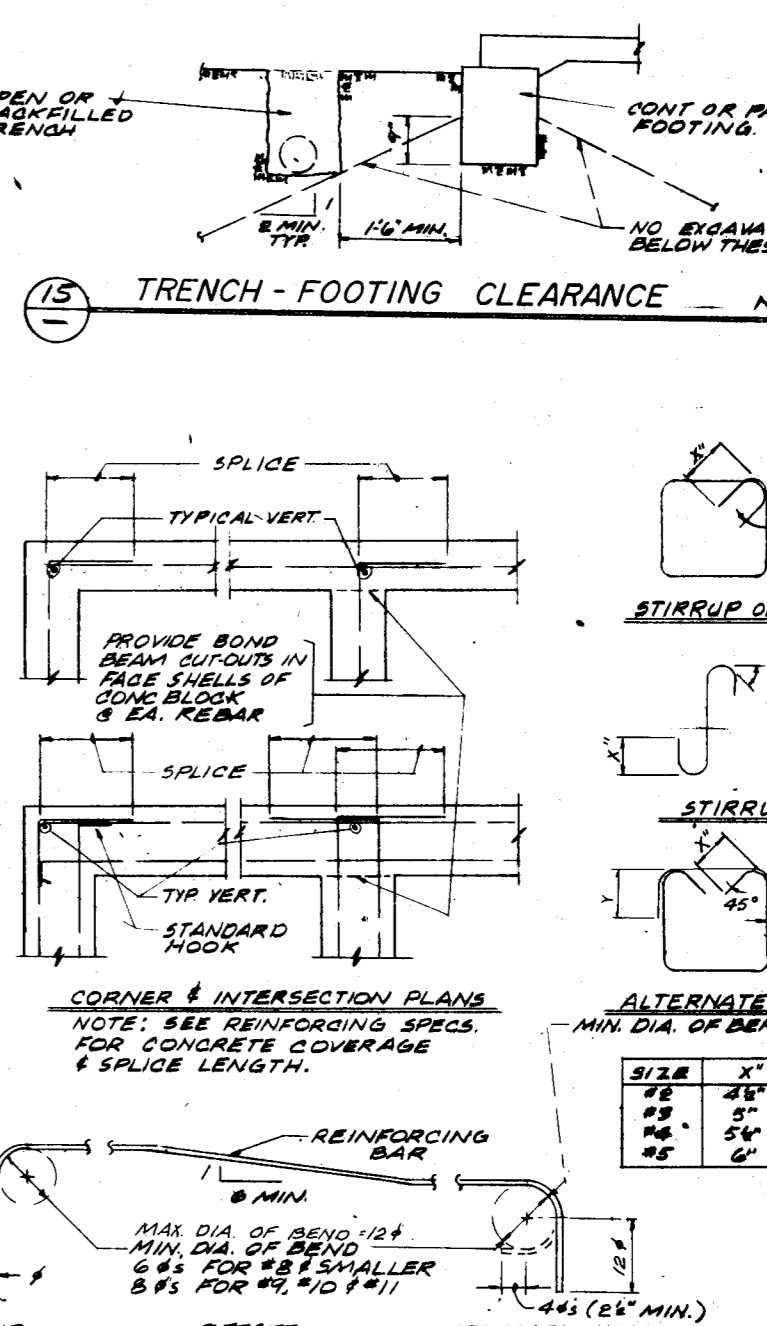
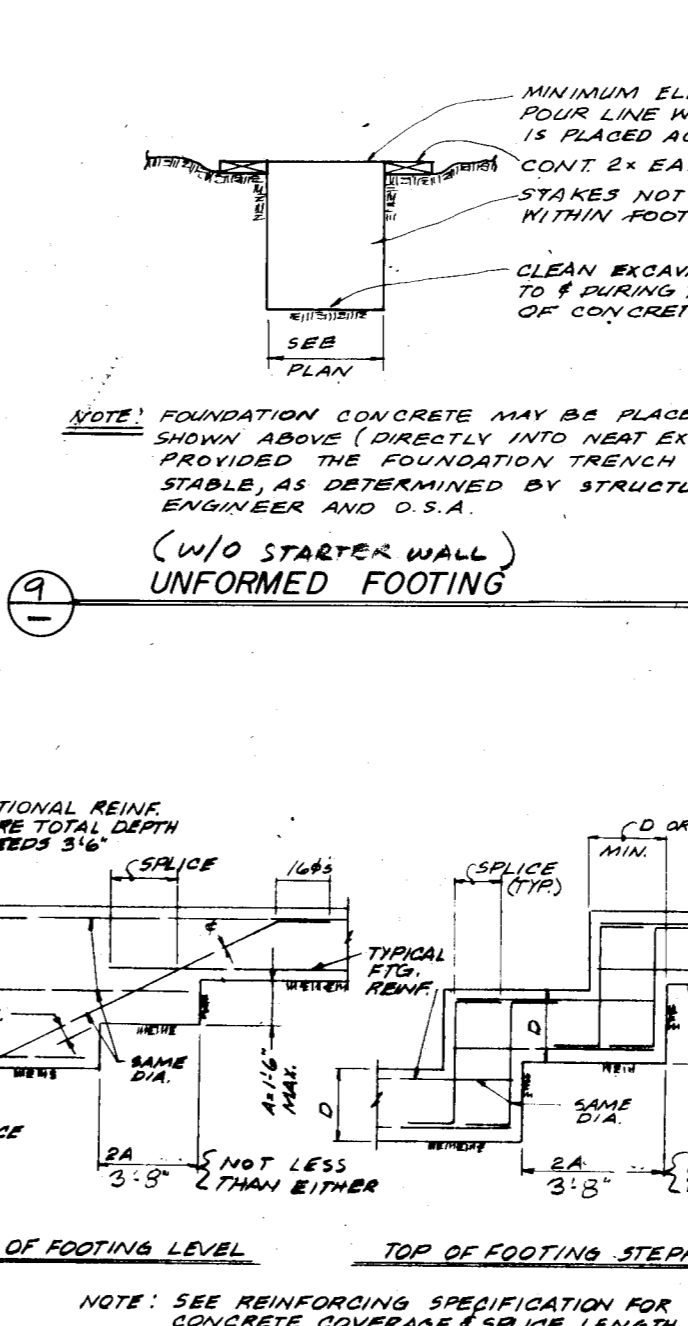
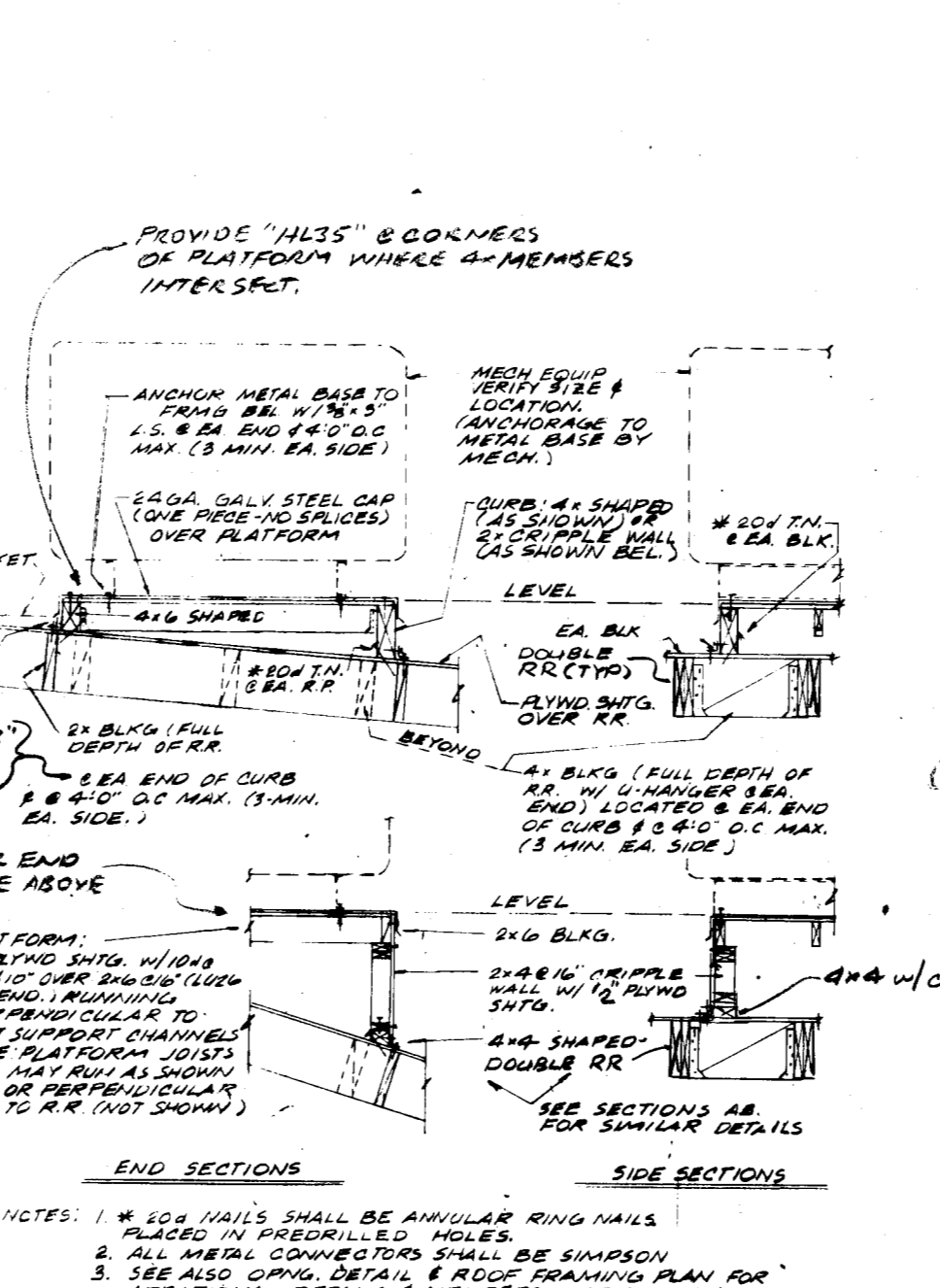
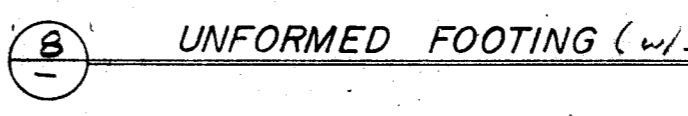
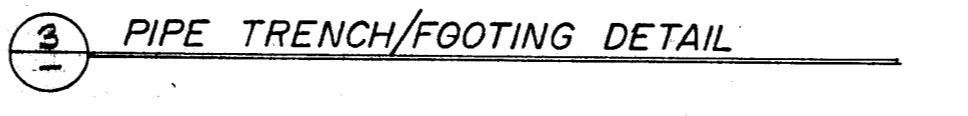
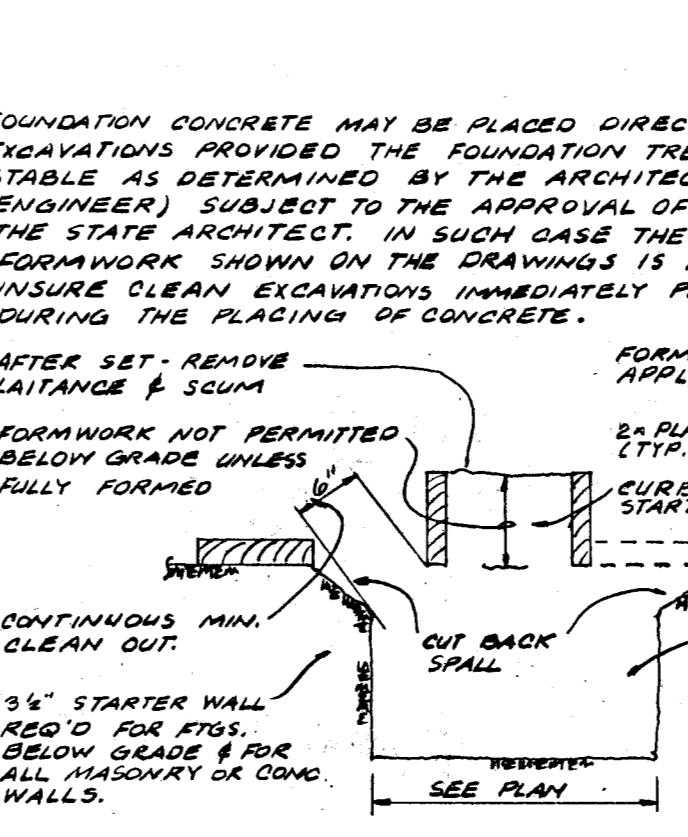
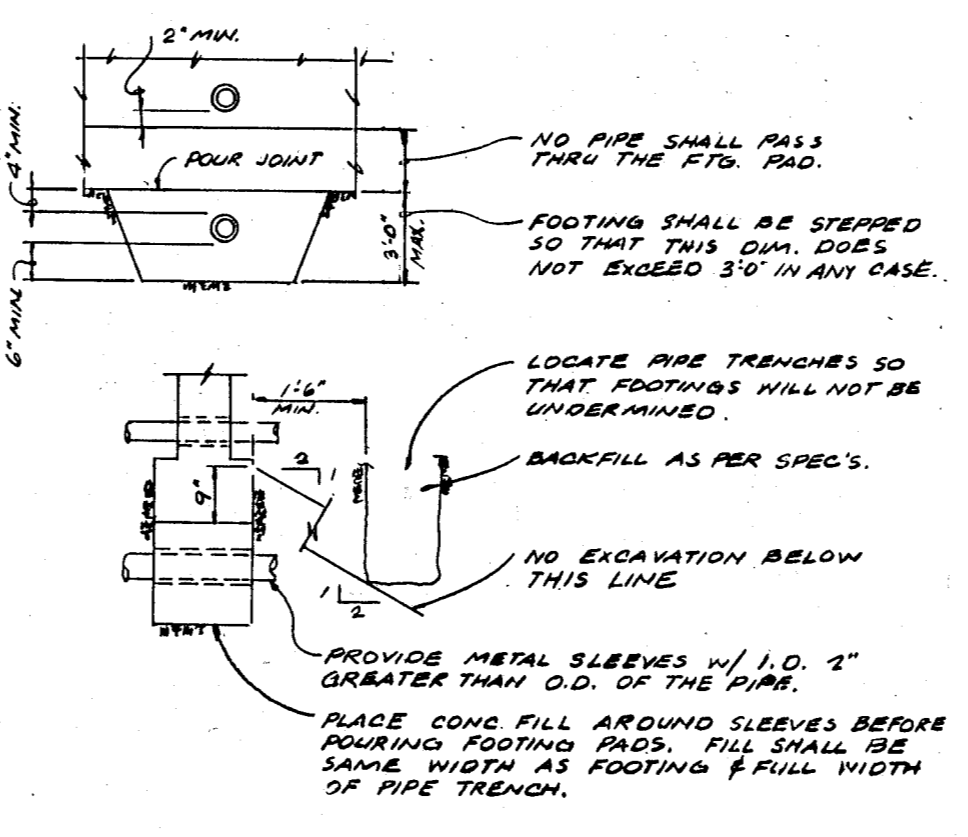
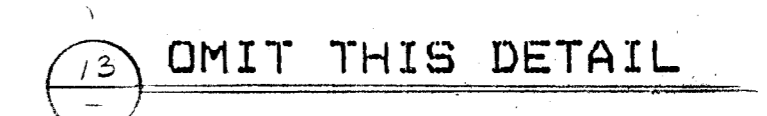
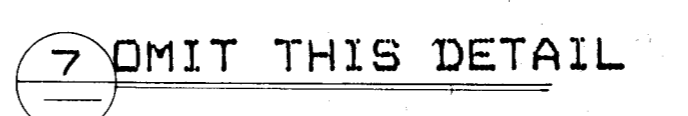
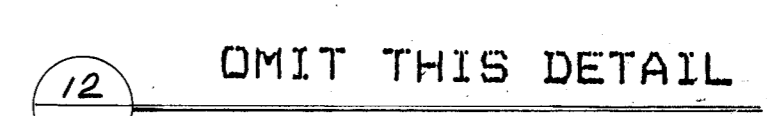
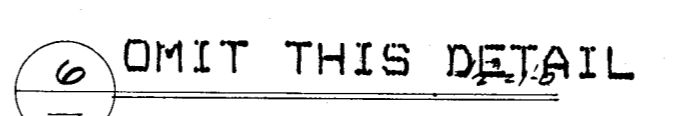
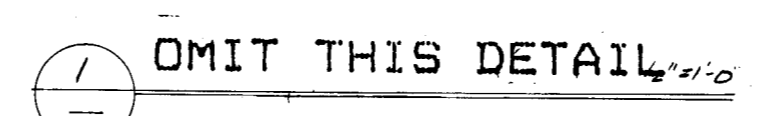
JOISTS OR RAFTERS TO SIDES OF STUDS
EIGHT (8) INCH JOISTS OR LESS.....3-16d
FOR EACH ADDITIONAL FOUR (4) INCHES IN DEPTH OF JOIST.....1-16d

JOISTS OR RAFTERS AT ALL BEARINGS (T.N., EA. SIDE).....2-10d
CEILING JOISTS, LAPS OVER PARTITIONS (P.N.).....3-16d
CEILING JOISTS TO PARALLEL RAFTERS (P.N.).....3-16d

1. NAILS SHALL BE THE FOLLOWING SIZES:
8d = .131" DIA. X 2-1/2" LONG X .58" HEAD

2. WHEN POSSIBLE, NAILS DRIVEN PERPENDICULAR TO THE GRAIN SHALL BE USED INSTEAD OF (T.N.).
3. ABBREVIATIONS: (T.N.) = TOE NAIL, (P.N.) = FACE NAIL.

PLYWOOD SHEATHING AND NAILING NOTES:
1. PLYWOOD SHALL BE APPLIED DIRECTLY TO WOOD MEMBERS AND STAGGERED AS SHOWN ON DRAWINGS.



- MISCELLANEOUS
1. BLOCK 100 THRU 400: REMOVE (E) CEILING TILES WHERE NEW T-SHAP CEILING ARE SHOWN ON ARCH. DRAWING.
2. BLOCK 500: REMOVE (E) GYP. LATH & PLASTER CEILING 6'-0" & SHOW ON ARCH. DRAWING (CENTER & 5'-0" MIN. FROM SPAN OF ROOF POLES IN ROOMS RELIEVING NEW T-SHAP CEILING.)

Approval stamps and signature lines for the project.

JOHN Q. FORESTELLE
930 WILBE ROAD BAKERSFIELD
CALIFORNIA 93304 (805) 337-2800
52526 AND 3172

C-3269
C-3132
C-6584
D.P. CARROLL
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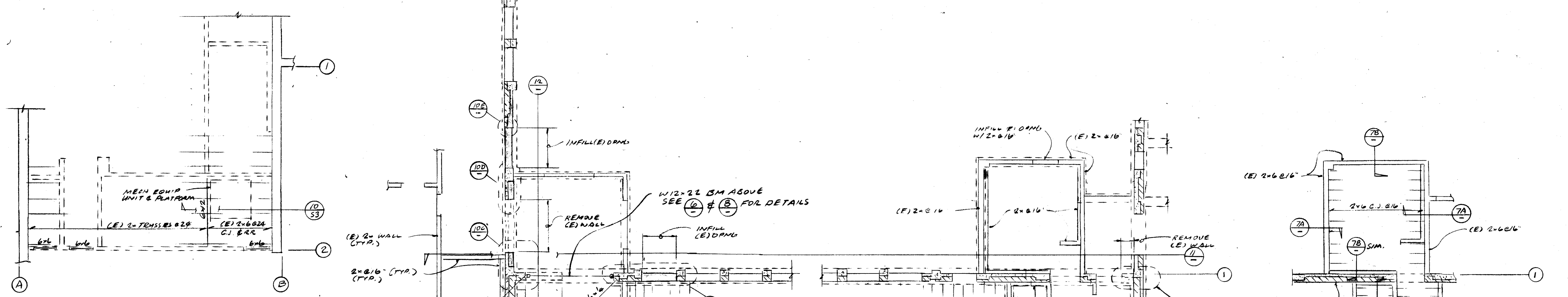
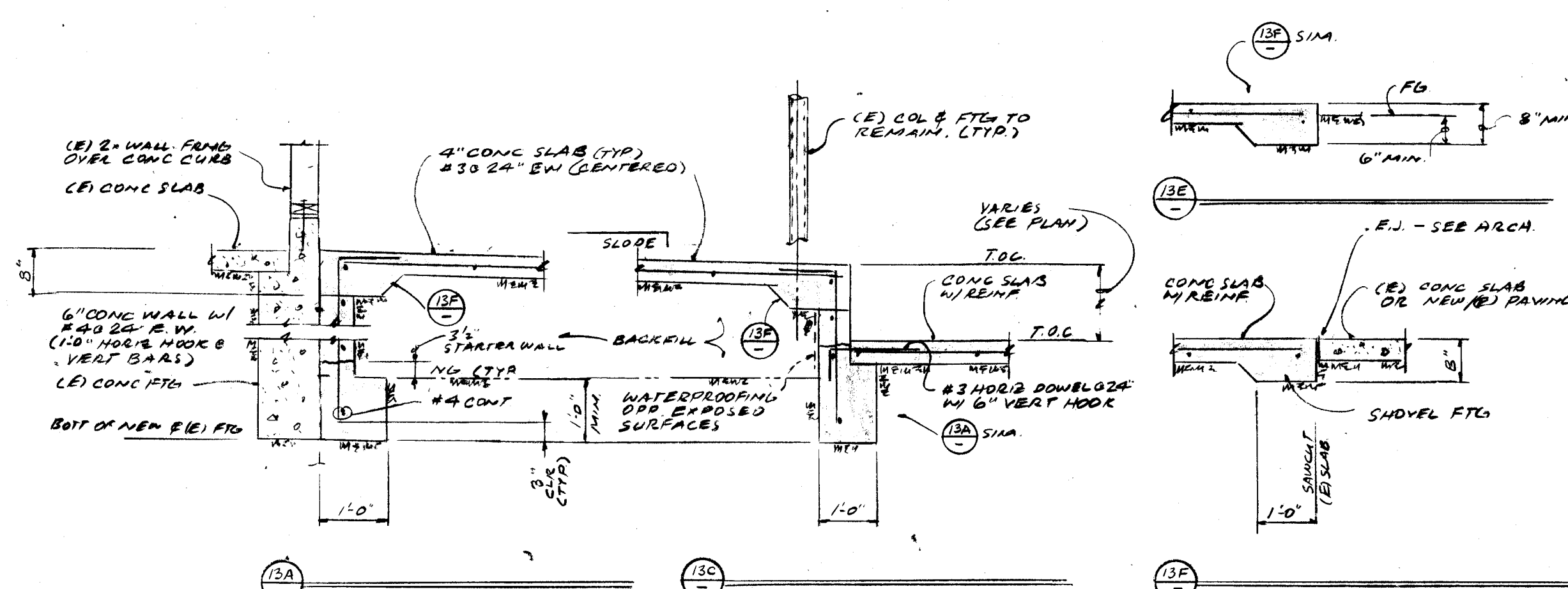
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805 832 8122

GENERAL NOTES & TYPICAL DETAILS
HORACE MANN MODERNIZATION
BAKERSFIELD CITY SCHOOL DISTRICT
2710 NILES AVENUE
BAKERSFIELD, CALIFORNIA 93307

job B7-127
date FEB 81
\$1

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EBB04
JRF
H.M.



BLDG 500 - PARTIAL ROOF FRAMING PLAN 1/8"=1'-0"

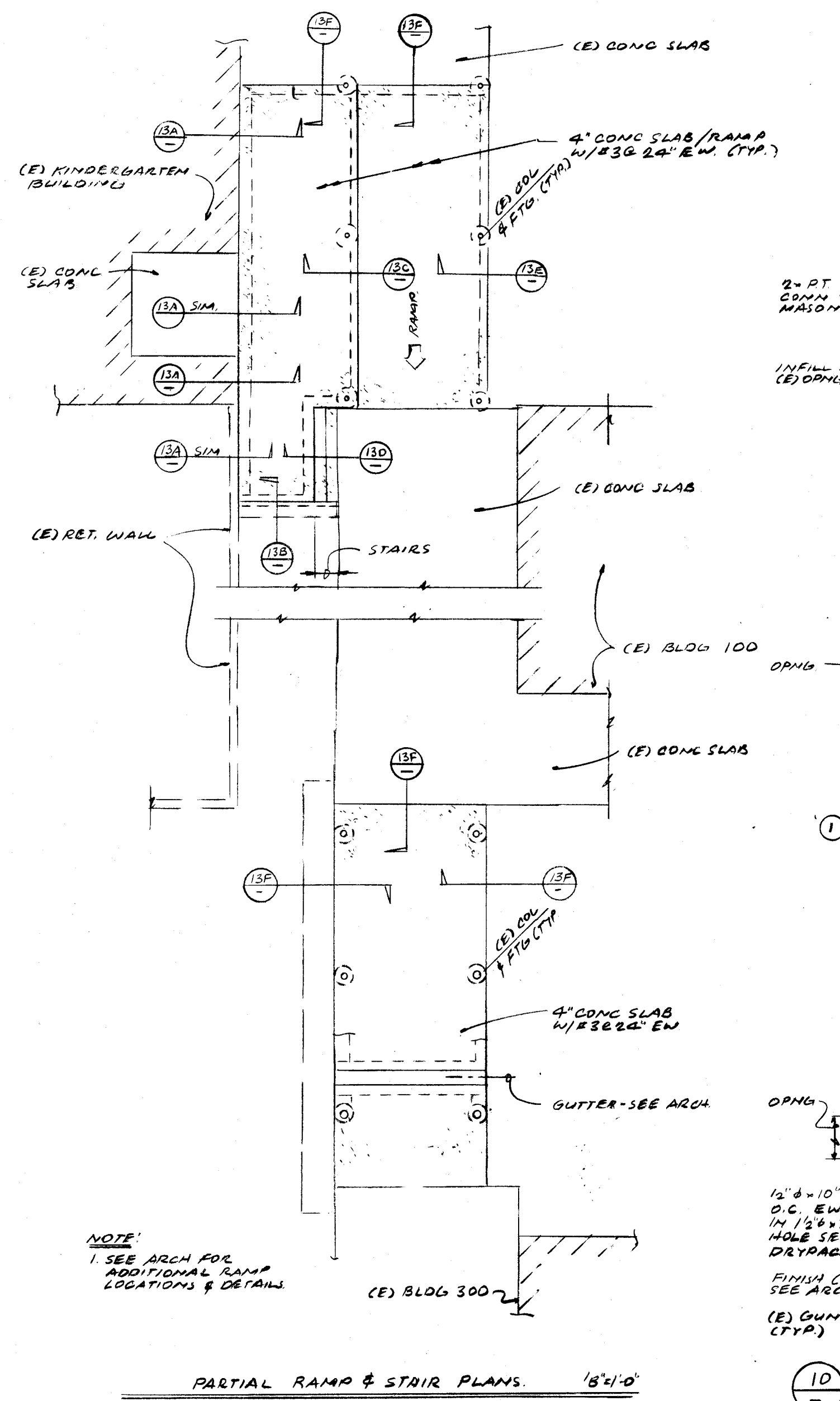
BLDG 500 - PARTIAL FLOOR FRAMING PLAN 1/8"=1'-0"

BLDG 500 - PARTIAL CEILING FRAMING PLAN 1/8"=1'-0"

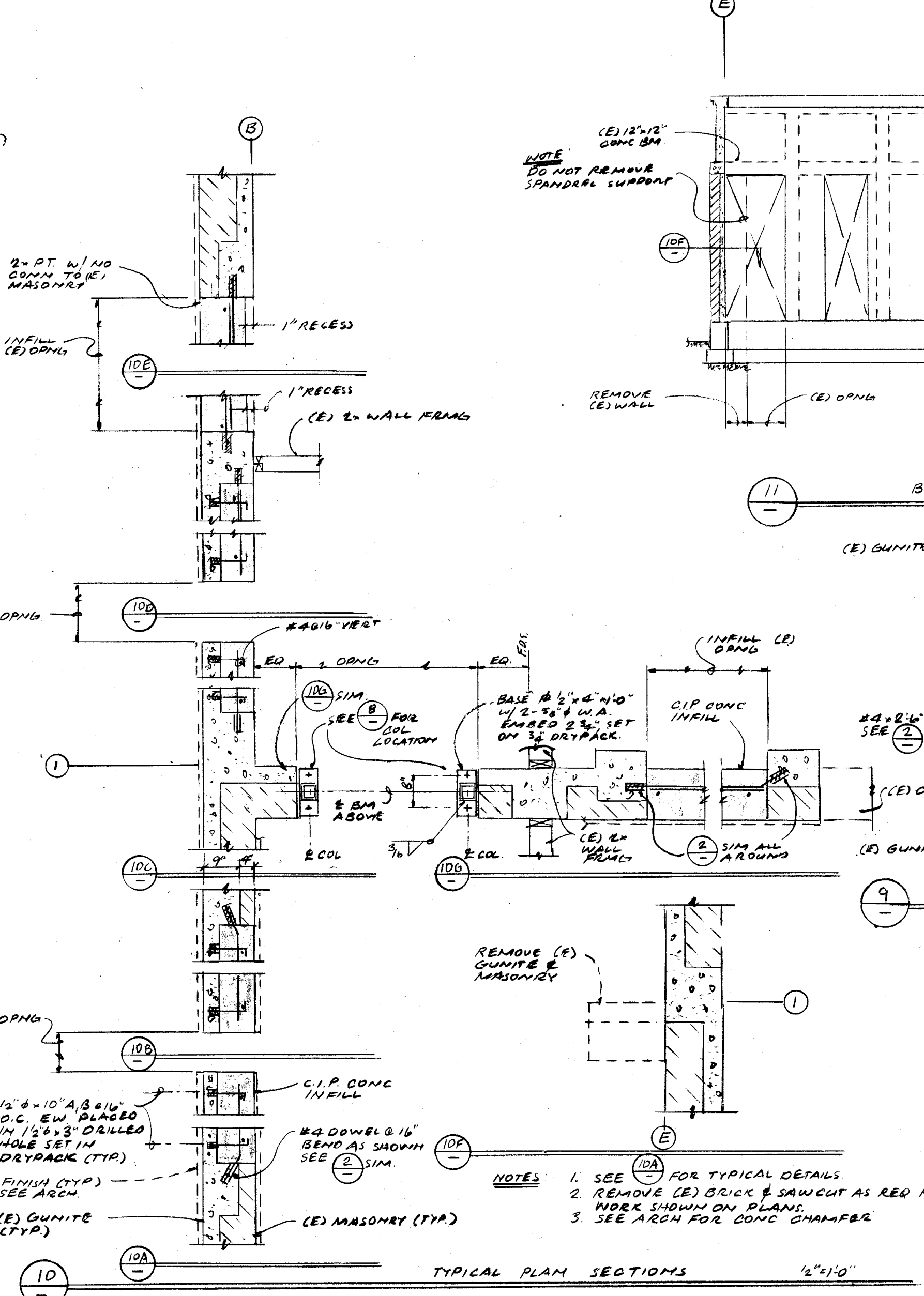
NOTES
 1. SEE ARCH DRAWINGS FOR RAILINGS, DIMENSIONS DEMOLITION, PARTIAL & DETAILS NOT SHOWN.
 2. SEE SHT S-1 FOR GENERAL NOTES & TYP DETAILS.
 3. ALL ITEMS SHOWN ON THIS DRAWING ARE NEW CONSTRUCTION UNLESS IDENTIFIED AS (E) EXISTING.

NOTES
 1. SEE ARCH DRAWINGS FOR ADDITION, DEMO & TYP NOT SHOWN ON STRUCT. DETAILS.
 2. SEE (1) & (2) FOR WALL ELEVATIONS.

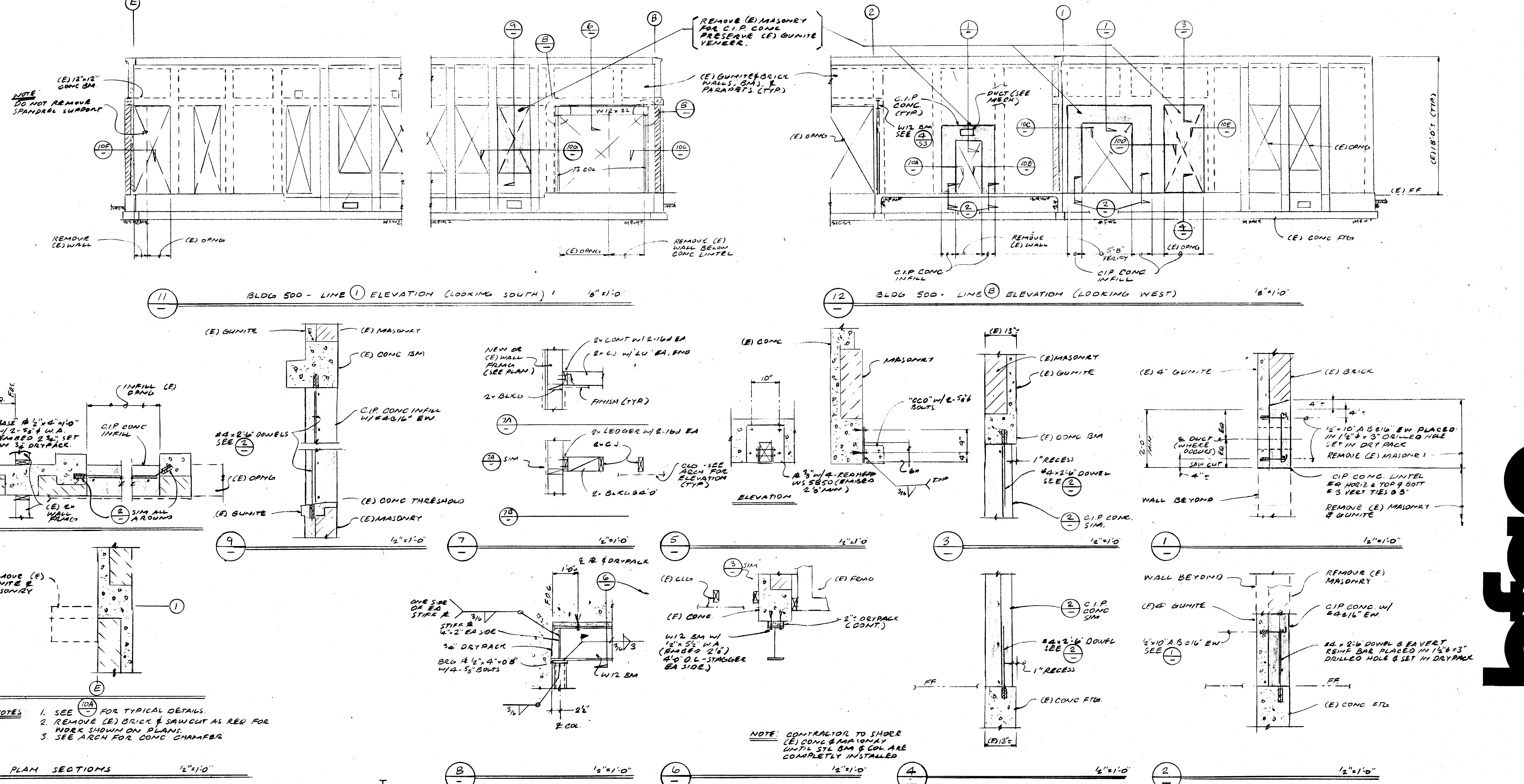
13 TYPICAL RAMP/STAIR SECTIONS 1/8"=1'-0"



PARTIAL RAMP & STAIR PLANS 1/8"=1'-0"



TYPICAL PLAN SECTIONS 1/8"=1'-0"



BLDG 500 - LINE 1 ELEVATION (LOOKING SOUTH) 1/8"=1'-0"

BLDG 500 - LINE 2 ELEVATION (LOOKING WEST) 1/8"=1'-0"

10A TYPICAL SECTION 1/8"=1'-0"

7 TYPICAL SECTION 1/8"=1'-0"

5 TYPICAL SECTION 1/8"=1'-0"

3 TYPICAL SECTION 1/8"=1'-0"

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

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

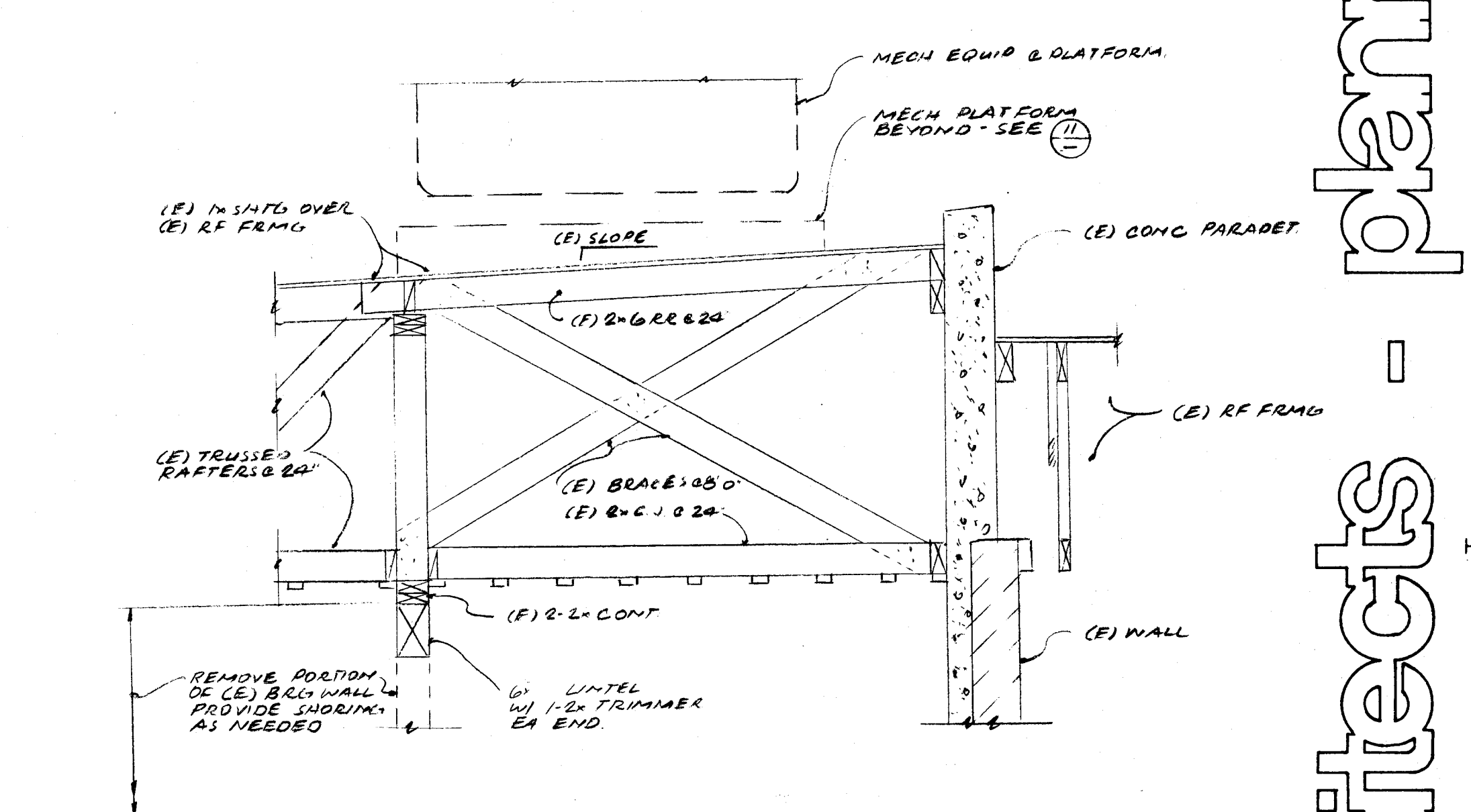
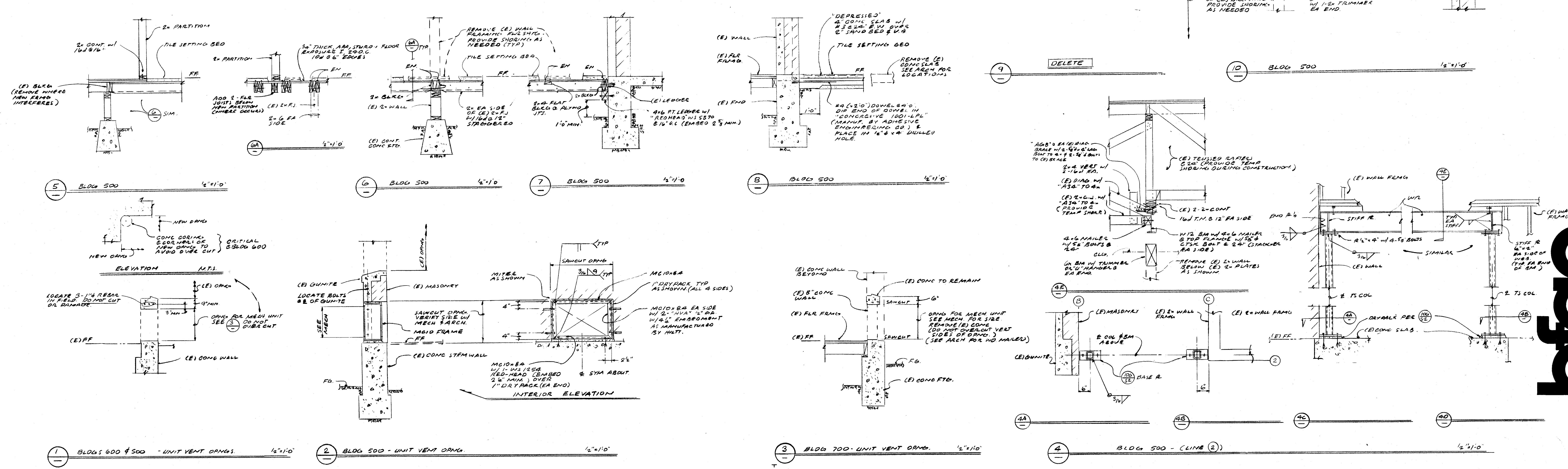
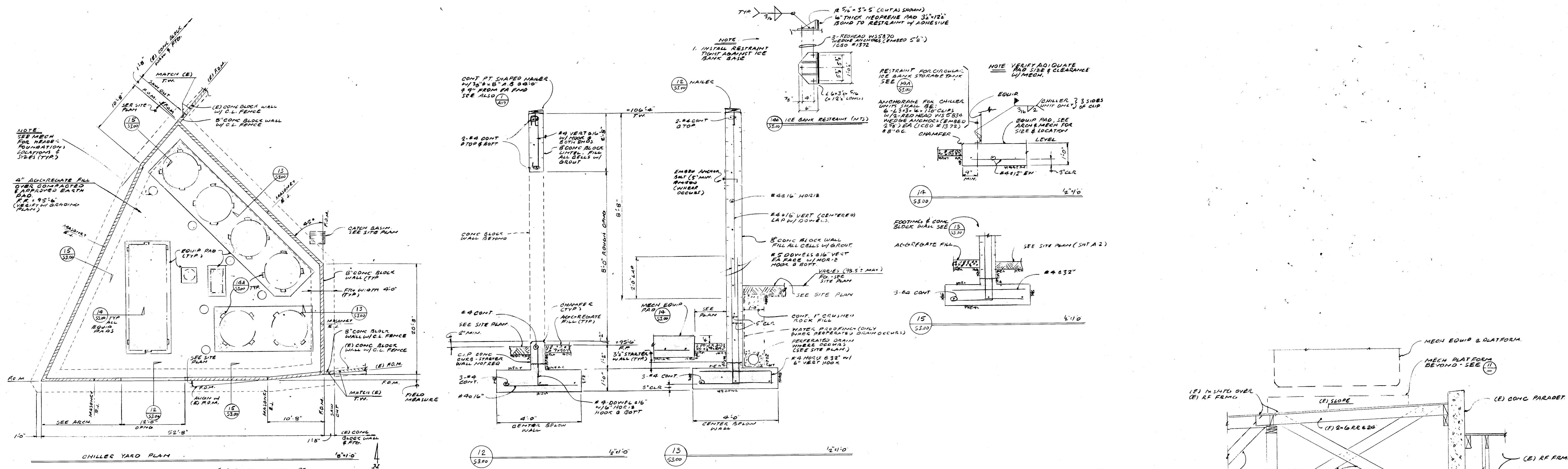
6 TYPICAL SECTION 1/8"=1'-0"

4 TYPICAL SECTION 1/8"=1'-0"

2 TYPICAL SECTION 1/8"=1'-0"

approved			JOHN Q. FORESTELLE STRUCTURAL ENGINEER 920 WIBLE ROAD BAKERSFIELD CALIFORNIA 93304 (805) 397-7800 56252B EOR 53192	C. 3132 C. 3269 C. 8564 C. 8021 C. 8702 © copyrighted 1989	bfgc inc. architects planners 31 south real road box 9698 BAKERSFIELD CALIFORNIA 93309 805 832 8122	PLANS, SECTIONS & DETAILS HORACE MANN MODERNIZATION BAKERSFIELD CITY SCHOOL DISTRICT 2710 NILES AVENUE BAKERSFIELD, CALIFORNIA 93307	job 87-127 date FEB 89	sheet 52 #8804 JOE
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approved _____ _____			JOHN Q. FORESTELLE STRUCTURAL ENGINEER 910 WIBLE ROAD BAKERSFIELD CALIFORNIA 93304 (805) 397-7800 SE 2528 EXP 3.19.72	C = 3269 C = 3132 C = 8564 <i>DR. CARLUM</i> © copyrighted 1987	bfbc inc. architects planners 31 south real road box 9698 bakersfield california 93309 805 832 8122	SECTIONS & DETAILS HORACE MANN MODERNIZATION BAKERSFIELD CITY SCHOOL DISTRICT 2710 NILES AVENUE BAKERSFIELD, CALIFORNIA 93307	job 87-127	date 1 FEB 87 53 #8804 JGF
							11/20/87	
							1/28/87	

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PLUMBING LEGEND		
SYMBOL	ITEM	ABBR
---	SOIL OR WASTE	S or W
---	VENT	V
---	VENT RISER	VR
---	VENT THROUGH ROOF	VTR
---	DOMESTIC COLD WATER	CW
---	DOMESTIC HOT WATER	HW
---	DOMESTIC HOT WATER RETURN	HWR
G	NATURAL GAS	G
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	ADV. CLG.
---	BELOW FLOOR	BEL. FLR.
---	BELOW GRADE	BEL. GR.
---	TYPICAL	TYP.
---	CONTINUATION	CONT.
---	SHUT-OFF VALVE IN BOX	SOV
---	GATE VALVE	
---	CHECK VALVE	
---	PLUG VALVE	

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
---	CUBIC FEET OF AIR PER MINUTE	CFM
---	THERMOSTAT AT +5'-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	---
---	BY PASS TIMER	BPT
---	POINT OF CONNECTION	POC
---	EXISTING (DESIGNATED)	(E)

AIR CONDITIONING LEGEND		
SYMBOL	ITEM	ABBR
---	HWS	HOT WATER SUPPLY
---	HWR	HOT WATER RETURN
---	CWS	CHILLED WATER SUPPLY
---	CWR	CHILLED WATER RETURN
---	CHWS	CHILLED/HOT WATER SUPPLY
---	CHWR	CHILLED/HOT WATER RETURN
---	BS	BRINE SUPPLY
---	BR	BRINE RETURN
---	S	STEAM SUPPLY
---	SCR	STEAM CONDENSATE RETURN
---	RD	REFRIGERANT DISCHARGE
---	RL	REFRIGERANT LIQUID
---	RS	REFRIGERANT SUCTION
---	---	BALL VALVE
---	---	BUTTERFLY VALVE
---	---	CHECK VALVE
---	---	GATE VALVE
---	---	PLUG VALVE
---	---	PRESSURE RELIEF VALVE
---	---	UNION
---	---	INSTRUMENT WELL
---	---	FLOW SWITCH
---	---	STRAINER
---	---	REDUCER OR INCREASER

**EQUIPMENT ANCHORAGE
FOR BUILDING 600**

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 27.5% of Operating Weight
 Fixed Equipment on Structure 41.25% of Operating Weight
 Emergency Power Equipment on Grade 41.25% of Operating Weight
 Emergency Power Equipment on Structure 67.5% of Operating Weight

For Flexibly Mounted Equipment Use 2 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 MECHANICAL engineer and the field representative of the Office of the State Architect.

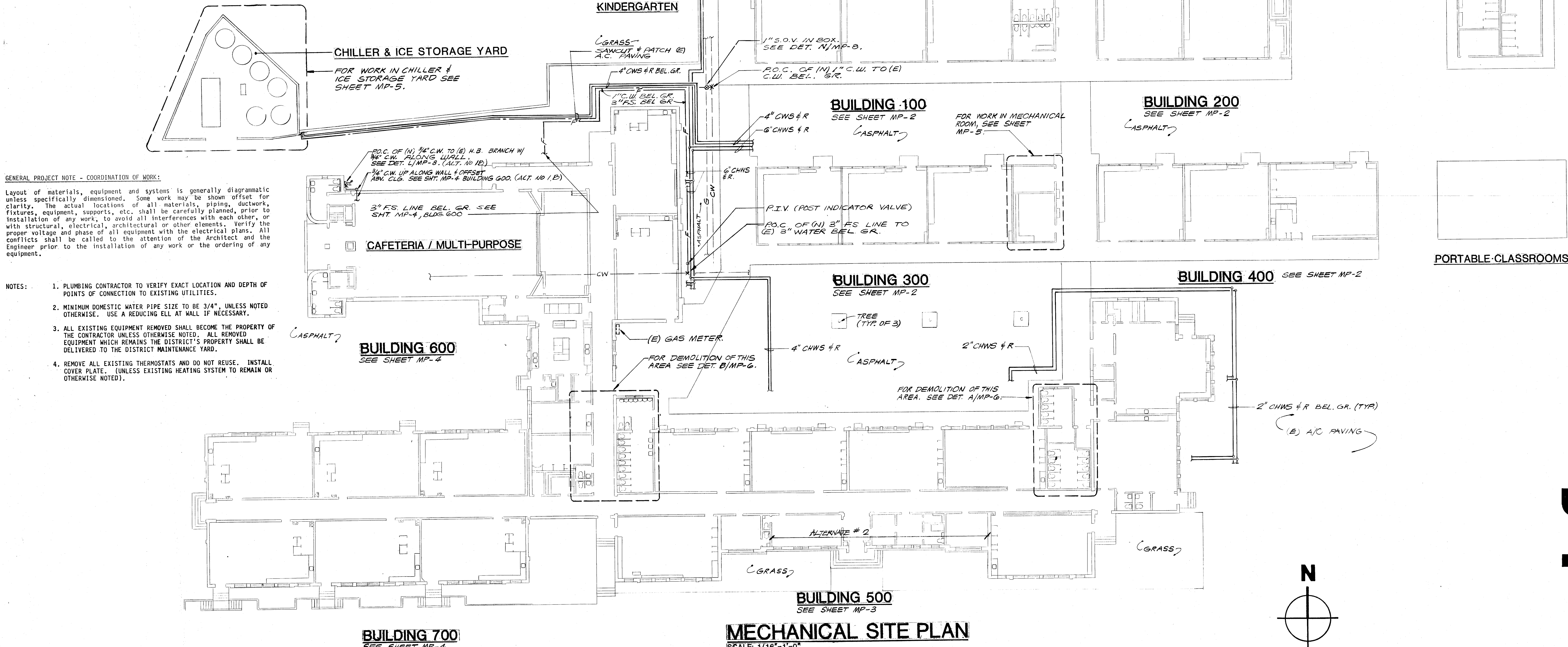
**EQUIPMENT ANCHORAGE
FOR BUILDINGS 100, 200, 300, 400, 500, 700**

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 22% of Operating Weight
 Fixed Equipment on Structure 33% of Operating Weight
 Emergency Power Equipment on Grade 33% of Operating Weight
 Emergency Power Equipment on Structure 50% of Operating Weight

For Flexibly Mounted Equipment Use 2 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 MECHANICAL engineer and the field representative of the Office of the State Architect.



GENERAL PROJECT NOTE - COORDINATION OF WORK:

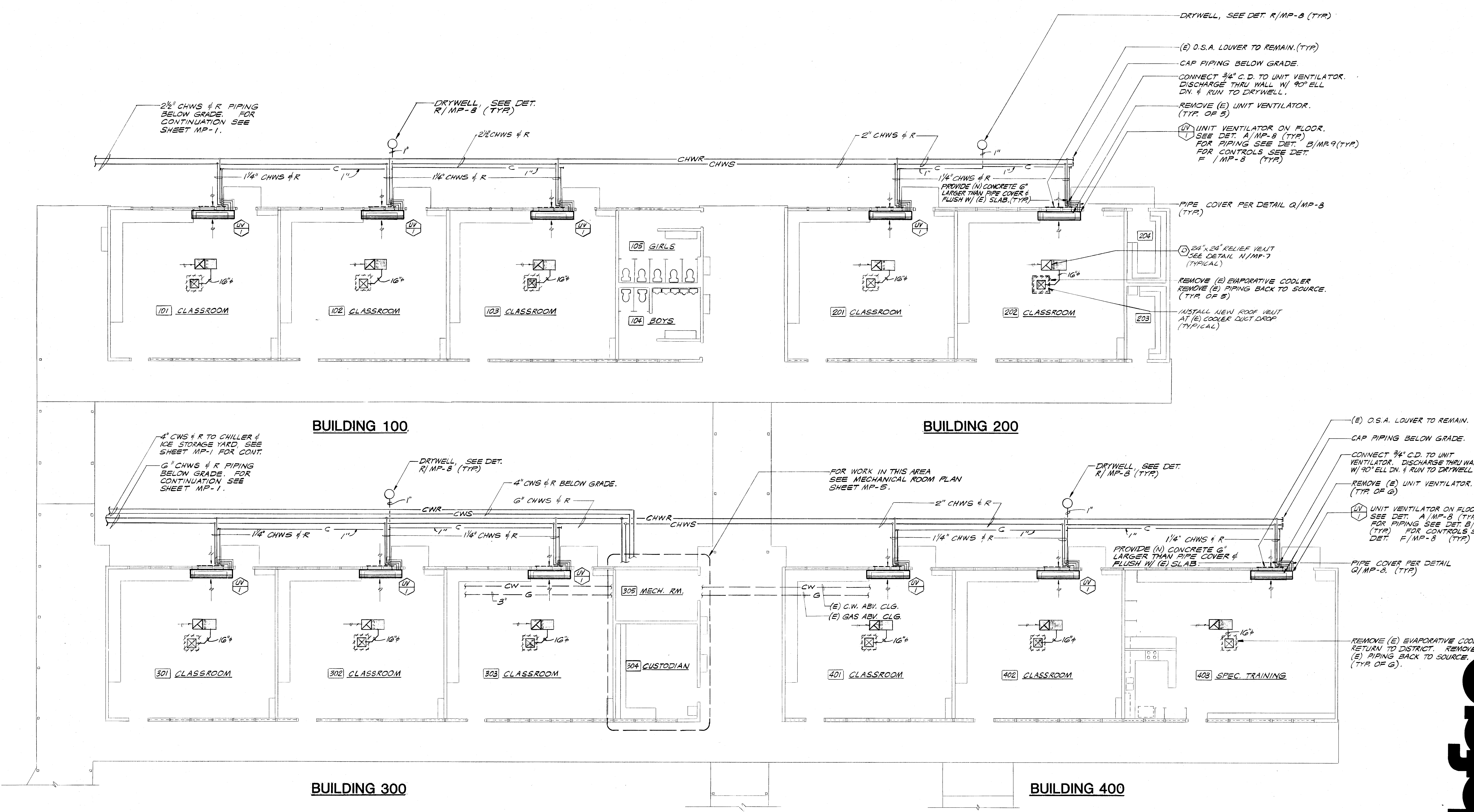
Layout of materials, equipment and systems is generally diagrammatic unless specifically dimensioned. Some work may be shown offset for clarity. The actual locations of all materials, piping, ductwork, fixtures, equipment, supports, etc. shall be carefully planned, prior to installation of any work, 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.

- NOTES:**
1. PLUMBING CONTRACTOR TO VERIFY EXACT LOCATION AND DEPTH OF POINTS OF CONNECTION TO EXISTING UTILITIES.
 2. MINIMUM DOMESTIC WATER PIPE SIZE TO BE 3/4", UNLESS NOTED OTHERWISE. USE A REDUCING ELL AT WALL IF NECESSARY.
 3. ALL EXISTING EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED. ALL REMOVED EQUIPMENT WHICH REMAINS THE DISTRICT'S PROPERTY SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE YARD.
 4. REMOVE ALL EXISTING THERMOSTATS AND DO NOT REUSE. INSTALL COVER PLATE. (UNLESS EXISTING HEATING SYSTEM TO REMAIN OR OTHERWISE NOTED).

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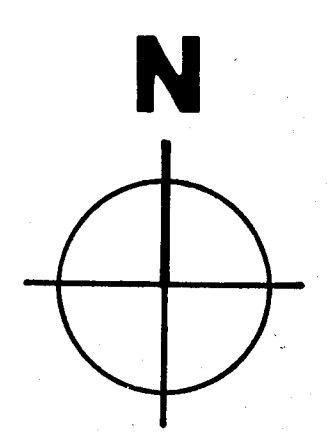
bfgc

<p>approved</p>	<p>DATE</p>	<p>Donald R. Lawrence & Associates CONSULTING MECHANICAL ENGINEERS, INCORPORATED 2300 W. Shaw Avenue, Suite 20 Fresno, CA 93711 (509) 234-9101 ME1104 FAX 509-234-4327</p>	<p>C • 3269 C • 3132 *C • 6564 D.P. ORTAL copyrighted 1981</p>	<p>bfgc inc. architects planners 31 south real road box 9686 bakerville california 93309 805 832 6122</p>	<p>MECHANICAL SITE PLAN SCALE: 1/16"=1'-0"</p> <p>HORACE MANN MODERNIZATION BAKERSFIELD CITY SCHOOL DISTRICT 2710 NILES AVENUE BAKERSFIELD, CALIFORNIA 93307</p>	<p>job 87-127</p> <p>date FEB 89</p>	<p>sheet MP-1</p>
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BUILDING 100, 200, 300, & 400 AIR CONDITIONING PLAN

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



approved

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Donald R. Lawrence
 Donald R. Lawrence & Associates
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 1700 W. Shaw Avenue, Suite 205 Fresno, CA 93711
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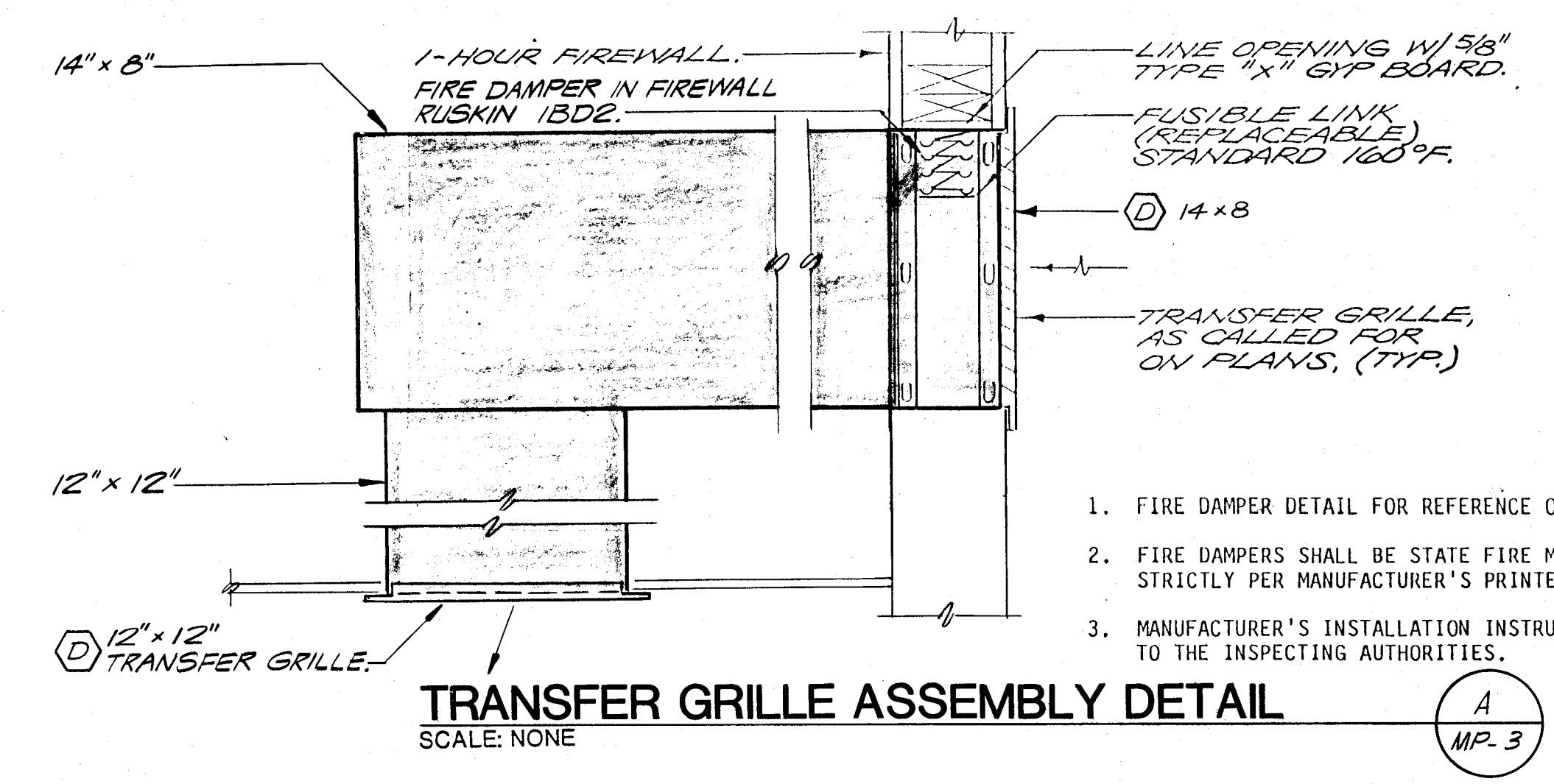
BUILDING 100, 200, 300, & 400 AIR CONDITIONING PLAN SCALE: 1/8" = 1'-0"
HORACE MANN MODERNIZATION
 BAKERSFIELD CITY SCHOOL DISTRICT
 2710 NILES AVENUE
 BAKERSFIELD, CALIFORNIA 93307

job 87-127

date 1 FEB 89

sheet

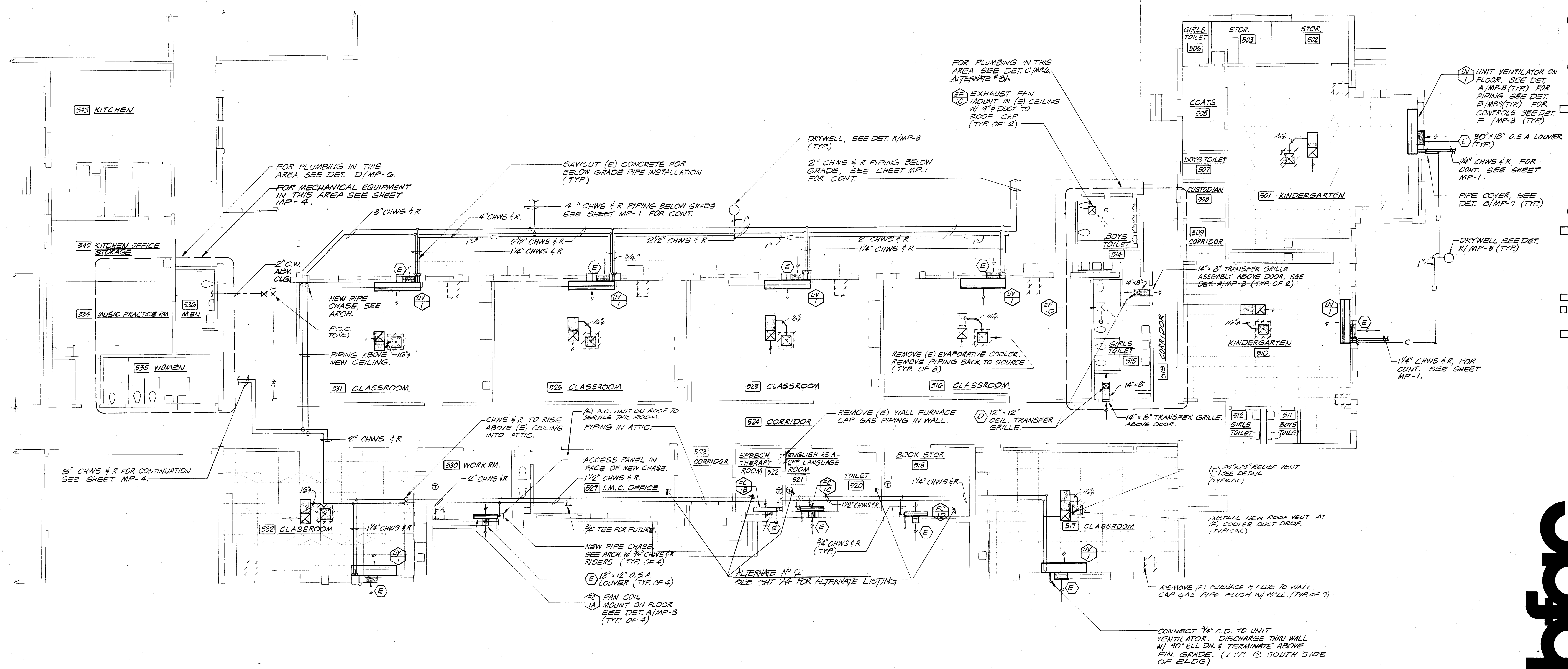
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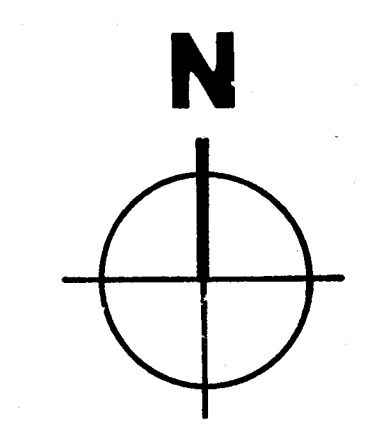
1. FIRE DAMPER DETAIL FOR REFERENCE ONLY.
2. FIRE DAMPERS SHALL BE STATE FIRE MARSHAL APPROVED AND INSTALLED STRICTLY PER MANUFACTURER'S PRINTED INSTRUCTIONS.
3. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.

TRANSFER GRILLE ASSEMBLY DETAIL
SCALE: NONE

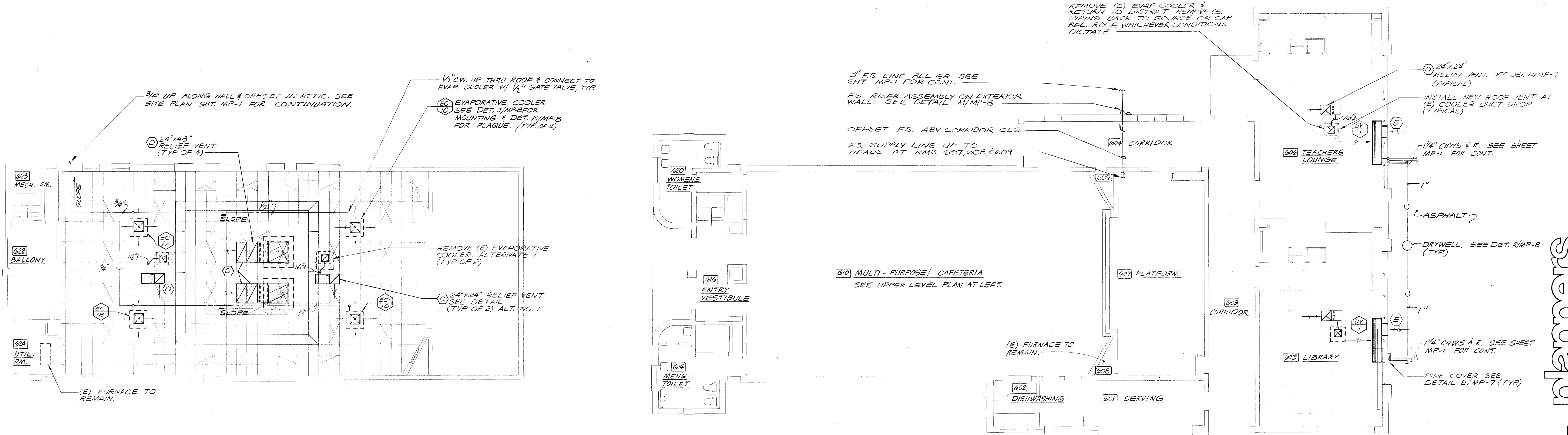
A
MP-3



BUILDING 500 AIR CONDITIONING PLAN
SCALE: 1/8" = 1'-0"



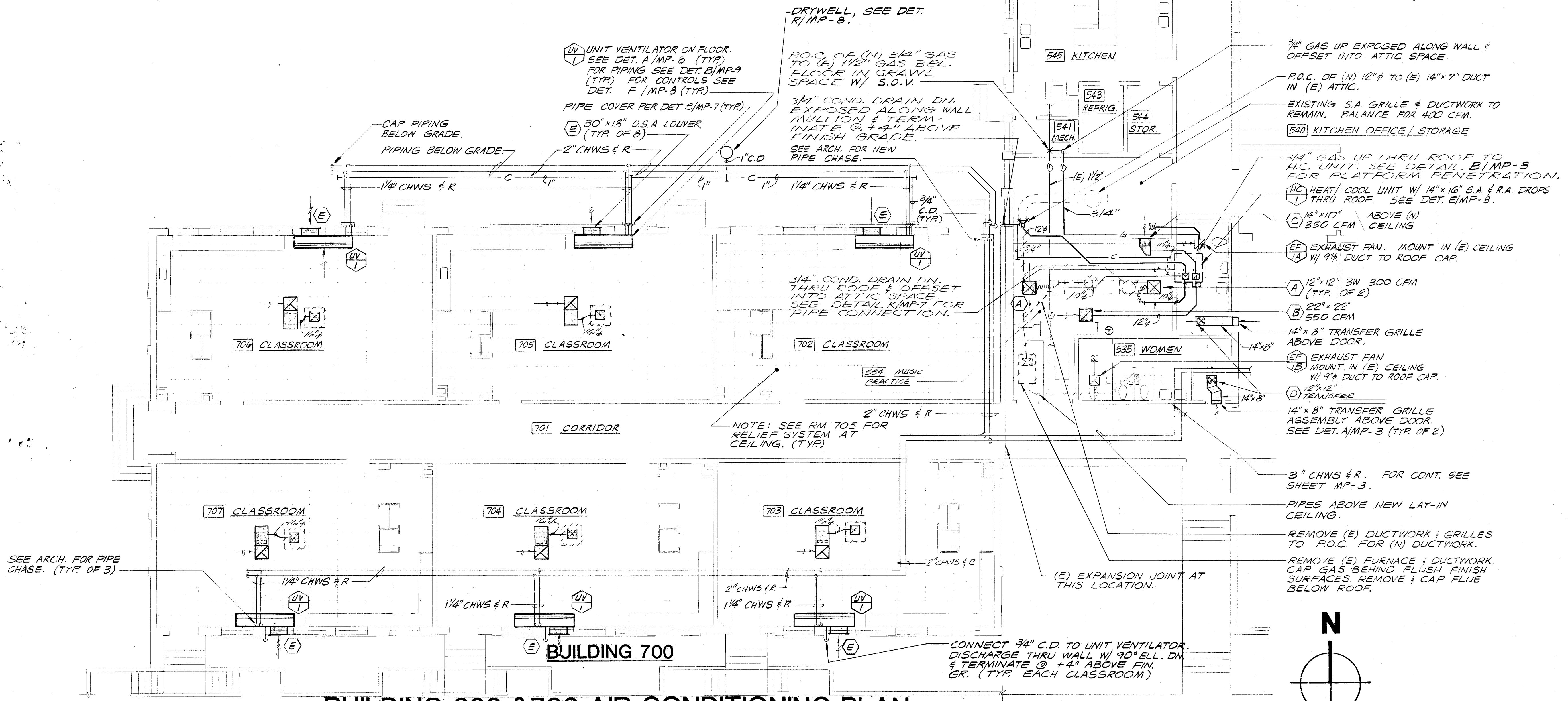
approved			 Donald K. Lawrence & Associates CONSULTING MECHANICAL ENGINEERS, INCORPORATED <small>1300 W. Street Avenue, Suite 101 Bakersfield, CA 93311 (805) 338-6101 MEX1004 FAX: 805-334-4317</small>	C • 3269 C • 3132 C • 6584 D.R. CURTIN © copyrighted 1997	bfgc inc. architects planners <small>31 south real road box 9698 bakersfield california 93309 805 832 8122</small>	BUILDING 500 AIR CONDITIONING PLAN SCALE: 1/8"=1'-0" HORACE MANN MODERNIZATION BAKERSFIELD CITY SCHOOL DISTRICT 2710 NILES AVENUE BAKERSFIELD, CALIFORNIA 93307	job 67-127 date 1 FEB 91	sheet MP-3
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BUILDING 600 2ND FLOOR

BUILDING 600

- FIRE SPRINKLER NOTES:**
1. THE AUTOMATIC FIRE SPRINKLER SYSTEM SHALL CONFORM TO THE REQUIREMENTS OF THE 1995 EDITION OF THE NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 13.
 2. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE-STOPPING SHALL BE OF AN APPROVED MATERIAL AS PRESCRIBED IN STATE FIRE MARSHAL STANDARD 43-1.
 3. INSTALLATION OF THE FIRE 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 STATE FIRE MARSHAL.
 4. AT VARIOUS STAGES AND UPON COMPLETION, THE SYSTEM MUST BE TESTED IN THE PRESENCE OF THE ENFORCING AGENCY.
 5. REFER TO FIRE SPRINKLER SYSTEM SPECIFICATION SECTION 15500 FOR ADDITIONAL INFORMATION.



BUILDING 600 & 700 AIR CONDITIONING PLAN
SCALE: 1/8" = 1'-0"

approved

Donald R. Lawrence
Donald R. Lawrence & Associates
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1300 W. Shaw Avenue, Suite 208
Fresno, CA 93711
(209) 224-6191 ME11064 FAX: 209-224-6327

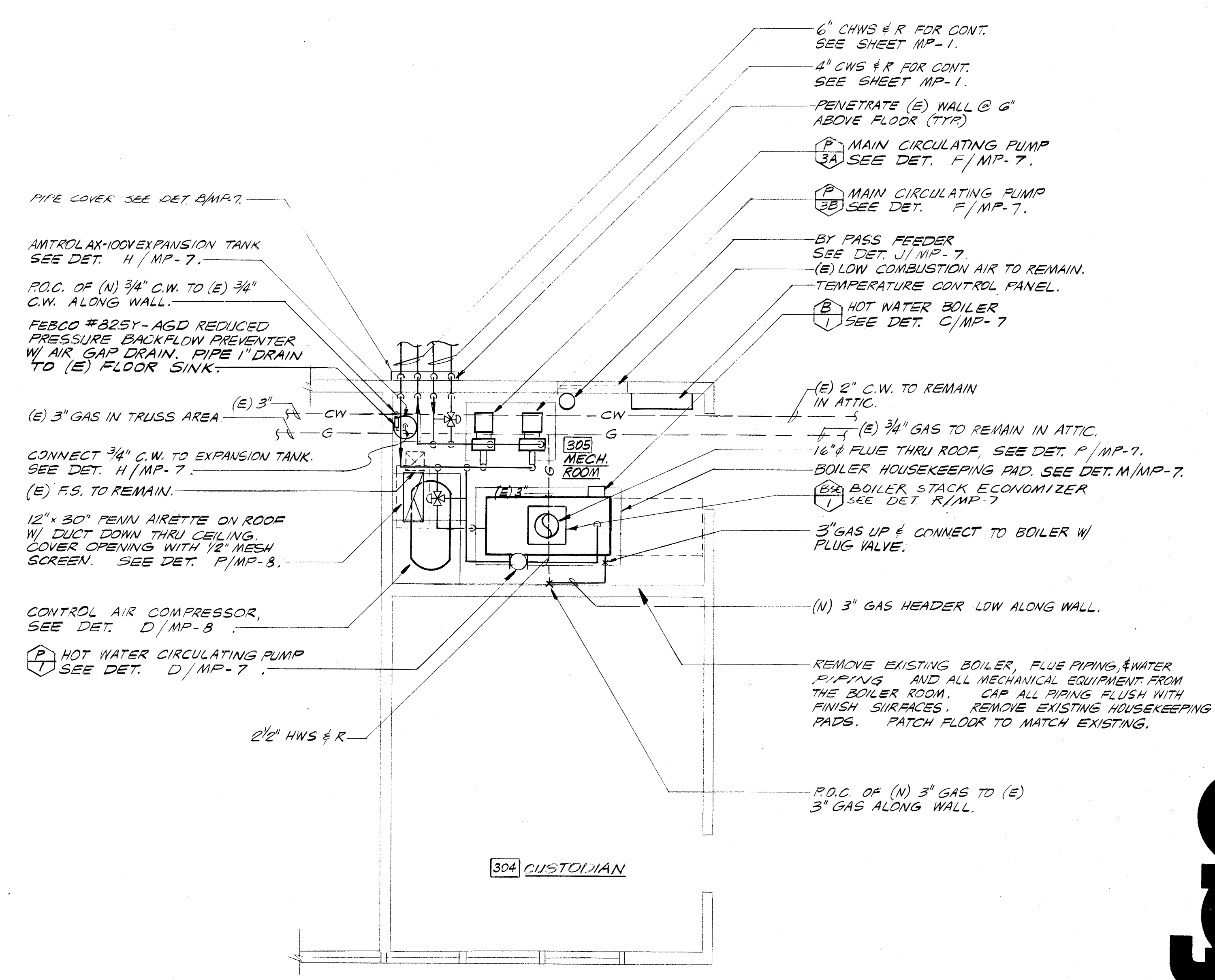
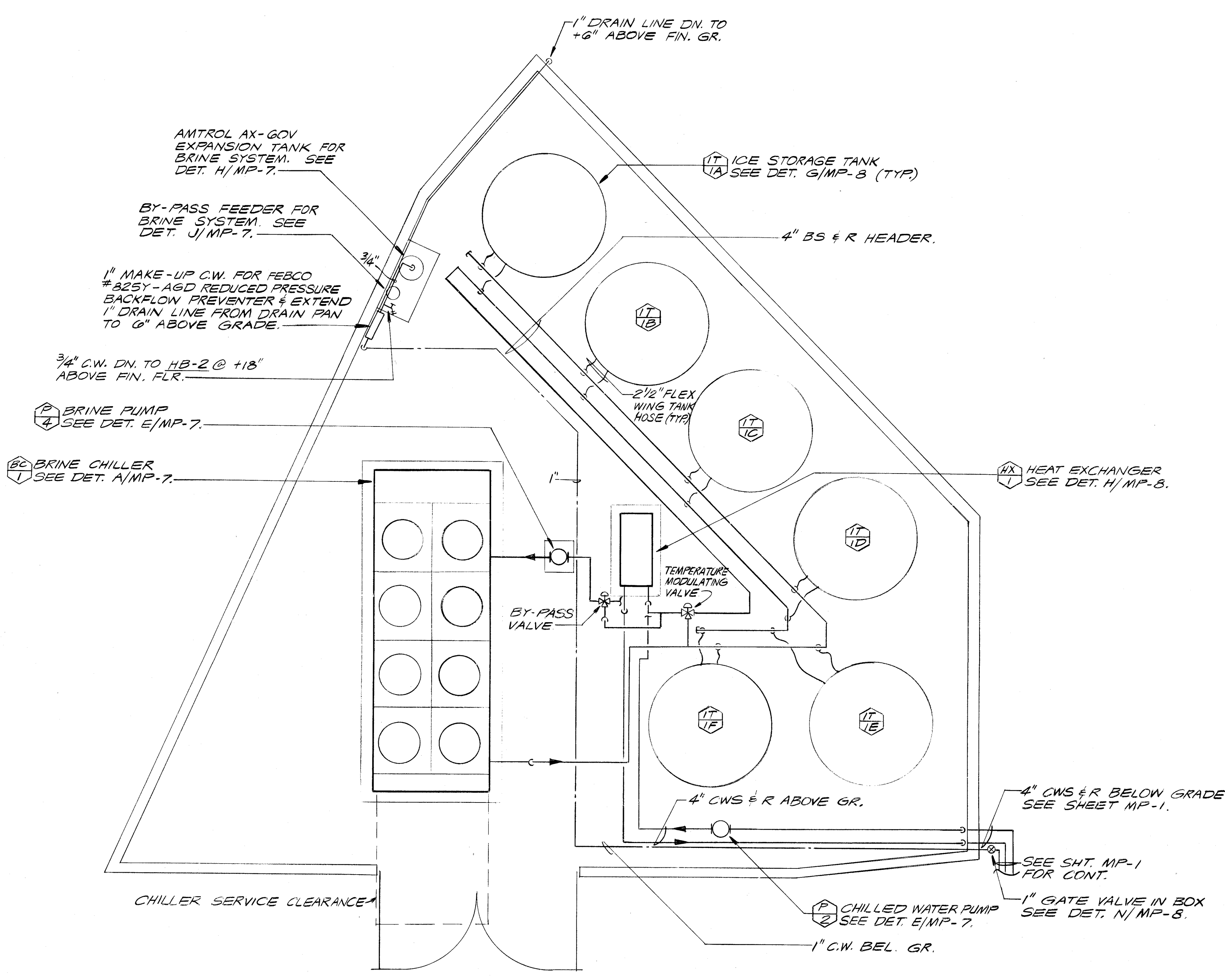
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BUILDING 600 & 700 AIR CONDITIONING PLAN SCALE: 1/8"=1'-0"
HORACE MANN MODERNIZATION
BAKERSFIELD CITY SCHOOL DISTRICT
2710 NILES AVENUE
BAKERSFIELD, CALIFORNIA 93307

job 87-127
date FEB 89
MP-4

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CHILLER & ICE STORAGE YARD PLAN
SCALE: 1/4" = 1'-0"

MECHANICAL ROOM PLAN
SCALE: 1/4" = 1'-0" (BUILDING 300)

approved

[Signature]

[Signature]

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[Signature]

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31 south 10th street, 10th floor
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805 832 8122

CHILLER & ICE STORAGE YARD PLAN - BOILER ROOM PLAN SCALE: 1/4"=0
HORACE MANN MODERNIZATION
BAKERSFIELD CITY SCHOOL DISTRICT
2710 NILES AVENUE
BAKERSFIELD, CALIFORNIA 93307

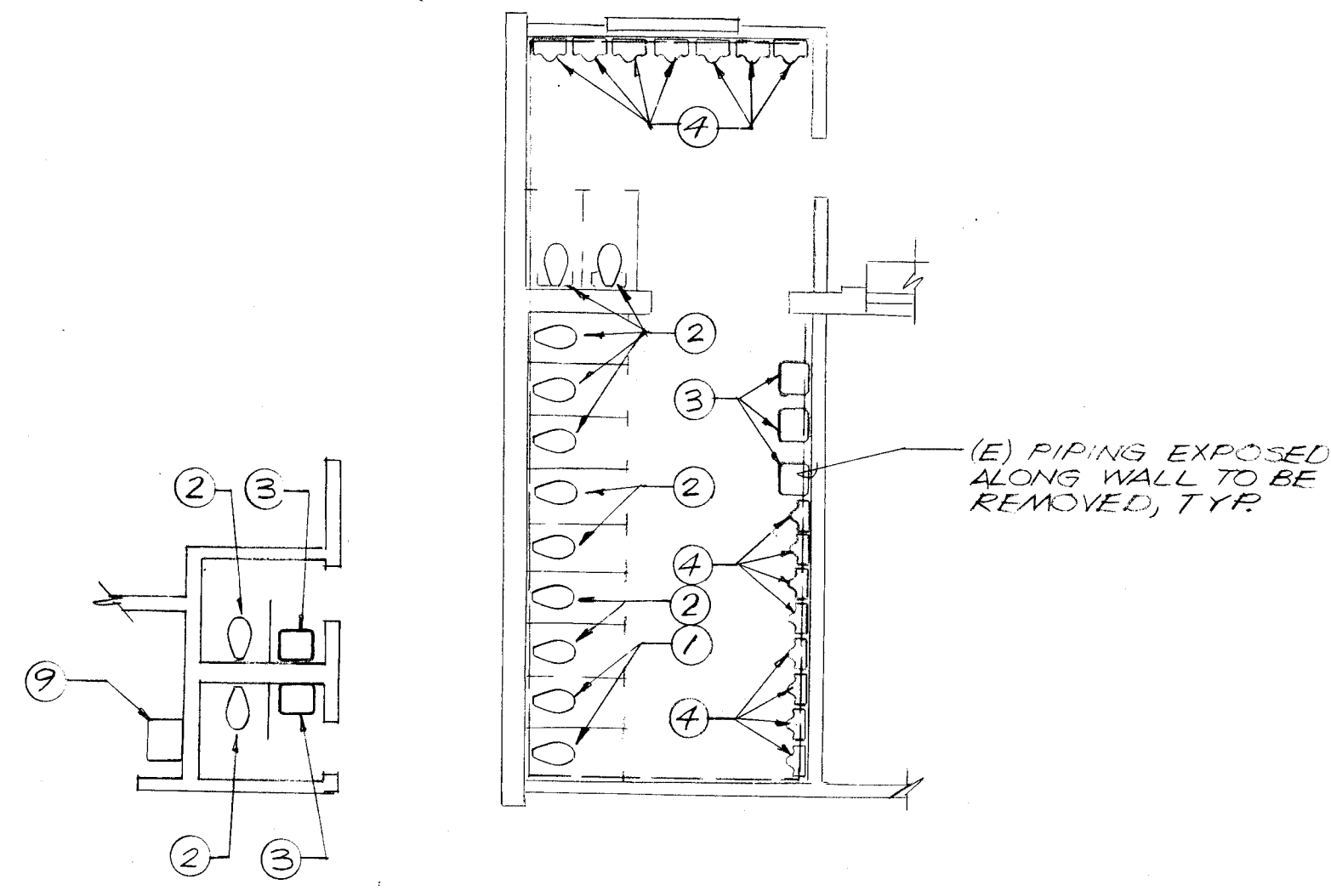
job 87-127
date 1 FEB 81

sheet
MP-5

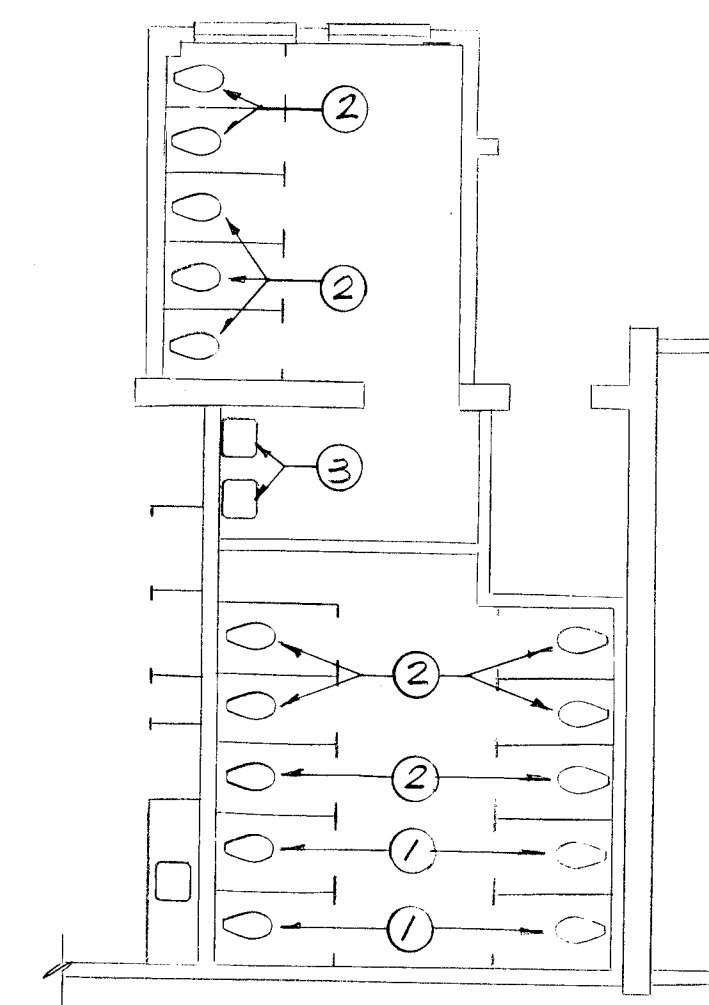
NOTE:
1. PLUMBING FIXTURES THAT ARE REMOVED & NOT USED ARE TO BE DELIVERED TO THE SCHOOL DISTRICT.

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE						
CONNECTION SIZES						
MARK	FIXTURE	S OR W	V.	C.W.	H.W.	DESCRIPTION
FD-1	FLOOR DRAIN	2"	1-1/2"	-	-	JAY R. SMITH #2010-B, W/5" SQUARE NICKEL BRONZE STRAINER. PROVIDE TRAP PRIMER CONNECTION WHEN APPLICABLE.
HB-1	HOSE BIBB	-	-	3/4"	-	CHICAGO #52 POLISHED CHROME WALL HOSE VALVE W/VANDAL-PROOF LOCKSHIELD, VACUUM BREAKER AND REMOVABLE HANDLE.
HB-2	HOSE BIBB	-	-	3/4"	-	ACORN #8121 ROUGH BRONZE WALL HOSE VALVE W/VANDAL-PROOF LOCKSHIELD, VACUUM BREAKER, AND REMOVABLE HANDLE.
FV-1	FLUSH VALVE	-	-	1"	-	SLOAN "ROYAL" #110-3 FLUSH VALVE.
WCS-1	WATER CLOSET SEAT	-	-	-	-	OLSONITE #95 CC/SS OPEN-FRONT SEAT.
WC-1	WATER CLOSET	4"	2"	-	-	NICKEL CHAINING WATER GUARD #4022-ET W/ SLOAN #110-3 FLUSH VALVE AND SUBMITTE #42-210CC, 5" HIGH LIFT SEAT.
LT-1	LAVATORY TRIM	-	-	1/2"	-	CHICAGO #335-E12 "TIP-TAP" SELF-CLOSING FAUCET INDEXED "C" AND "AMERICAN" STANDARD #2411.015 GRID DRAIN.
LT-2	LAVATORY TRIM	-	-	1/2"	1/2"	CHICAGO #700-E12 "QUAHRM" BASIN FAUCET WITH #525 CROSS HANDLE AND #115 SOFTLO AERATOR. INDEX ONE WITH "C" AND ONE WITH "H", AND AMERICAN STANDARD #2411.015 GRID DRAIN.
U-1	URINAL	2"	1-1/2"	1"	-	AMERICAN STANDARD "ALLBROOK" #6540.017 WITH SLOAN "ROYAL" #180 FLUSH VALVE, AND JAY R. SMITH #644 SUPPORT CARRIER.
U-2	URINAL	2"	1-1/2"	1"	-	AMERICAN STANDARD "ALLBROOK" #6540.017 WITH SLOAN "ROYAL" #180 FLUSH VALVE, AND JAY R. SMITH #644 SUPPORT CARRIER, MOUNTED AT HANDICAP HEIGHT, SEE ARCH.
L-1	LAVATORY	2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD "NEW LUCERNE" #0355.012, 20" x 18" WITH #2411.015 GRID DRAIN, #2000.100 SINGLE LEVER FAUCET AND JAY R. SMITH #700-Z SUPPORT CARRIER.
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, #2000.100 SINGLE LEVER FAUCET AND JAY R. SMITH #700-Z SUPPORT CARRIER. MOUNT AT HANDICAP HEIGHT.
EDF-1	ELECTRIC DRINKING FOUNTAIN	2"	1-1/2"	1/2"	-	SUNROC #HCWC-85 WALL-MOUNT FOR WHEELCHAIR ACCESS WITH STAINLESS STEEL CABINET AND JAY R. SMITH #800 CABINET AND JAY R. SMITH #800 SUPPORT CARRIER. 1/5 HP., 120V/1 PHASE.

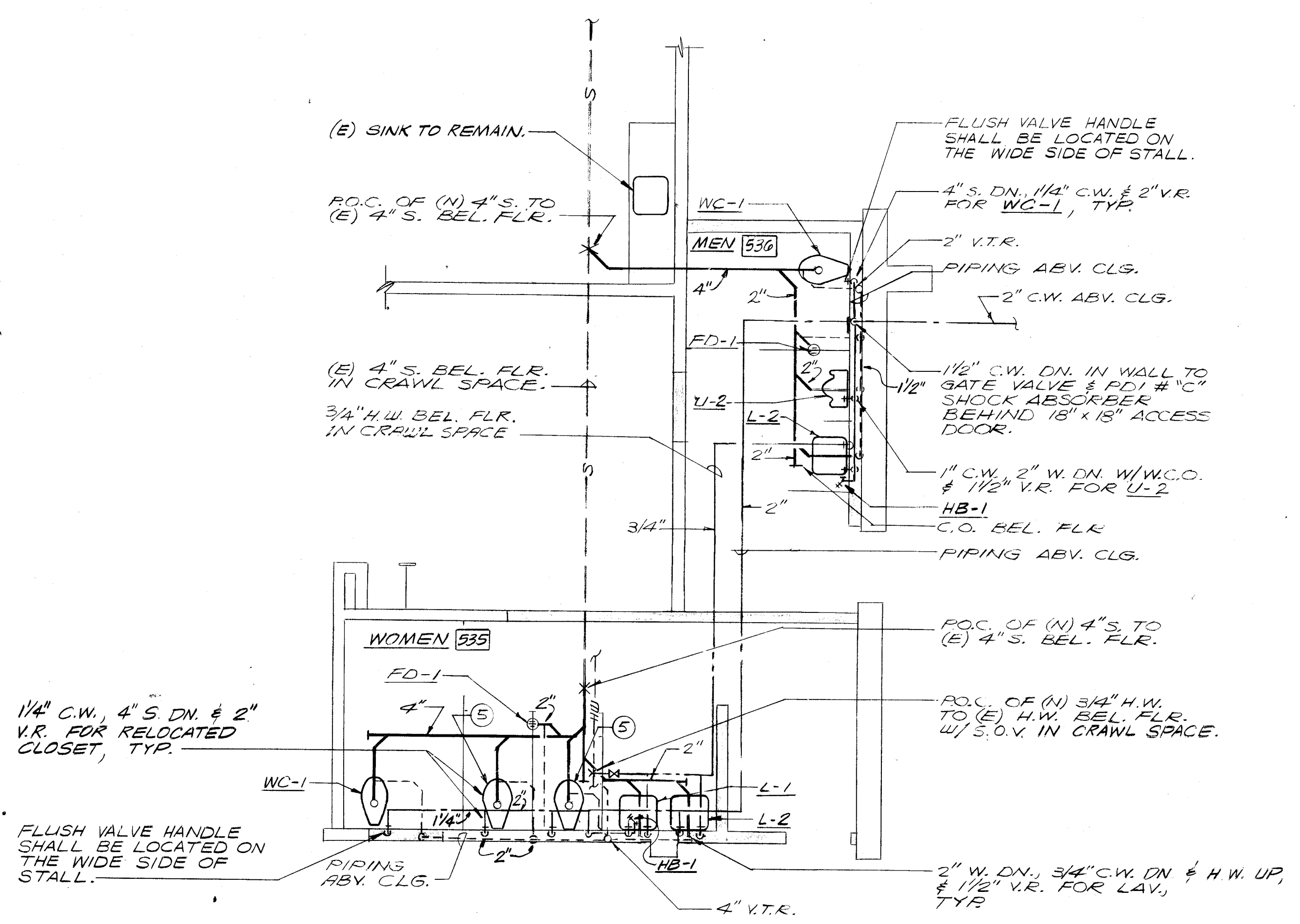
- KEYNOTES
- EXISTING WATER CLOSET TO BE REMOVED AND RELOCATED IN NEW TOILET ROOMS, BLDG 500 & 700 CAP PIPING BEHIND FINISH SURFACES. SEE REMODEL DETAILS C AND D/MP-G.
 - EXISTING WATER CLOSET TO BE REMOVED. CAP PIPING BEHIND FINISH SURFACES.
 - EXISTING LAVATORY TO BE REMOVED AND RELOCATED IN NEW TOILET ROOMS BLDG 500 & 700 CAP PIPING BEHIND FINISH SURFACES.
 - EXISTING URINAL TO BE REMOVED. CAP PIPING BEHIND FINISH SURFACES.
 - NEW LOCATION OF EXISTING WATER CLOSET. SCRUB CLEAN AND PROVIDE NEW FLUSH VALVE ASSEMBLY FV-1 AND NEW SEAT WCS-1. SEE PLAN FOR NEW PIPING.
 - NOT USED
 - NEW LOCATION OF EXISTING LAVATORY. SCRUB CLEAN AND PROVIDE NEW LT-1, TAILPIECE, P-TRAP, TRAP ARM, SUPPLY AND STOP. SEE PLAN FOR NEW PIPING.
 - NEW LOCATION OF EXISTING LAVATORY AT HANDICAP HEIGHT. PROVIDE LT-1, TAILPIECE, P-TRAP, TRAP ARM, SUPPLY AND STOP. SEE PLAN FOR NEW PIPING.
 - EXISTING SERVICE SINK TO BE REMOVED. CAP PIPING BEHIND FINISH SURFACES.
 - NOT USED
 - EXISTING F.D. TO REMAIN. PROVIDE NEW NICKEL BRONZE STRAINER. FLUSH WITH FLOOR.



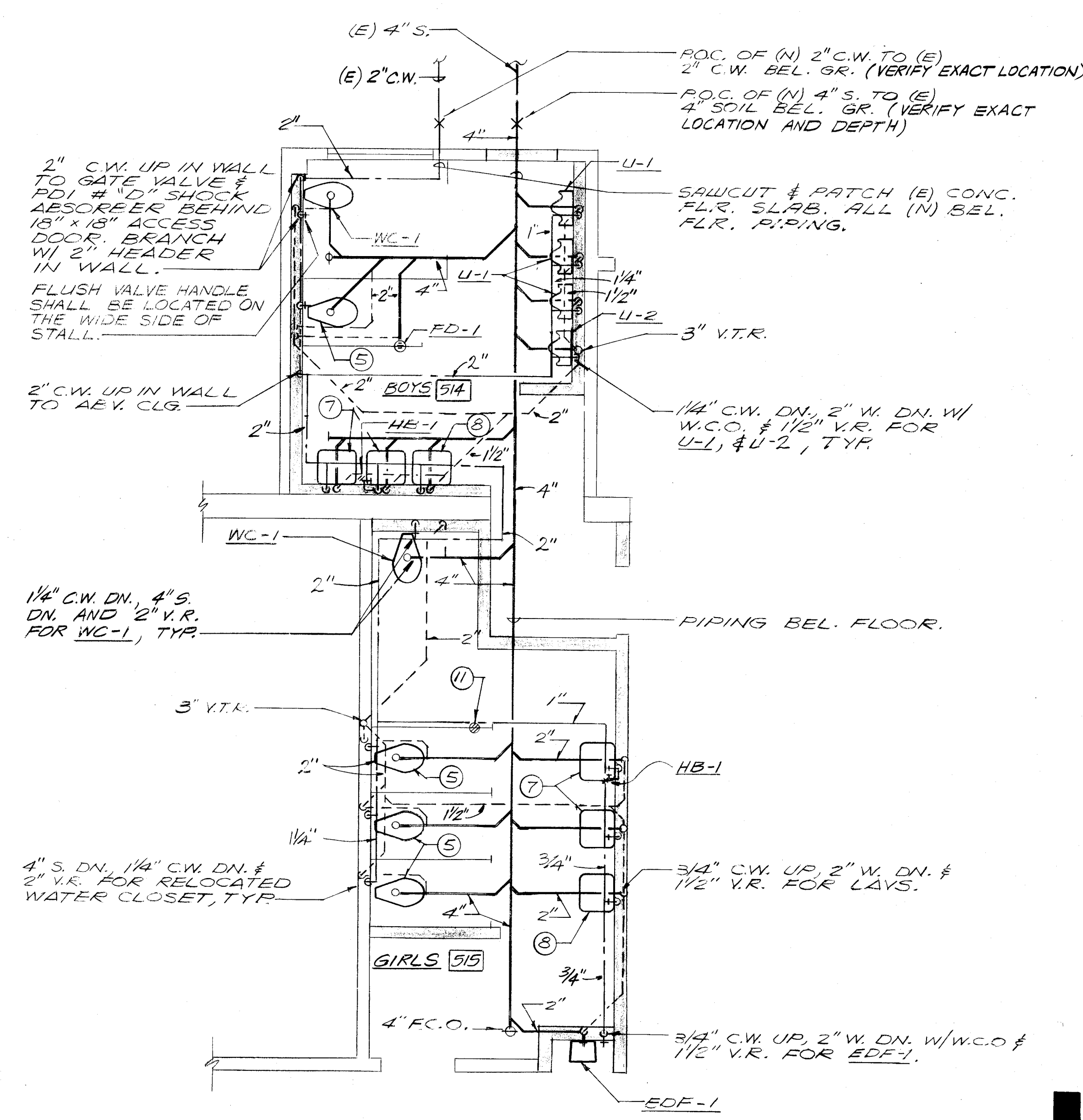
PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



PLUMBING DEMOLITION PLAN
SCALE: 1/8" = 1'-0" ALTERNATE NO. 3A



PLUMBING REMODEL PLAN
SCALE: 1/4" = 1'-0"



PLUMBING REMODEL PLAN
SCALE: 1/4" = 1'-0" ALTERNATE NO. 3A

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(509) 255-9101 ME11004 FAX 509-254-4227

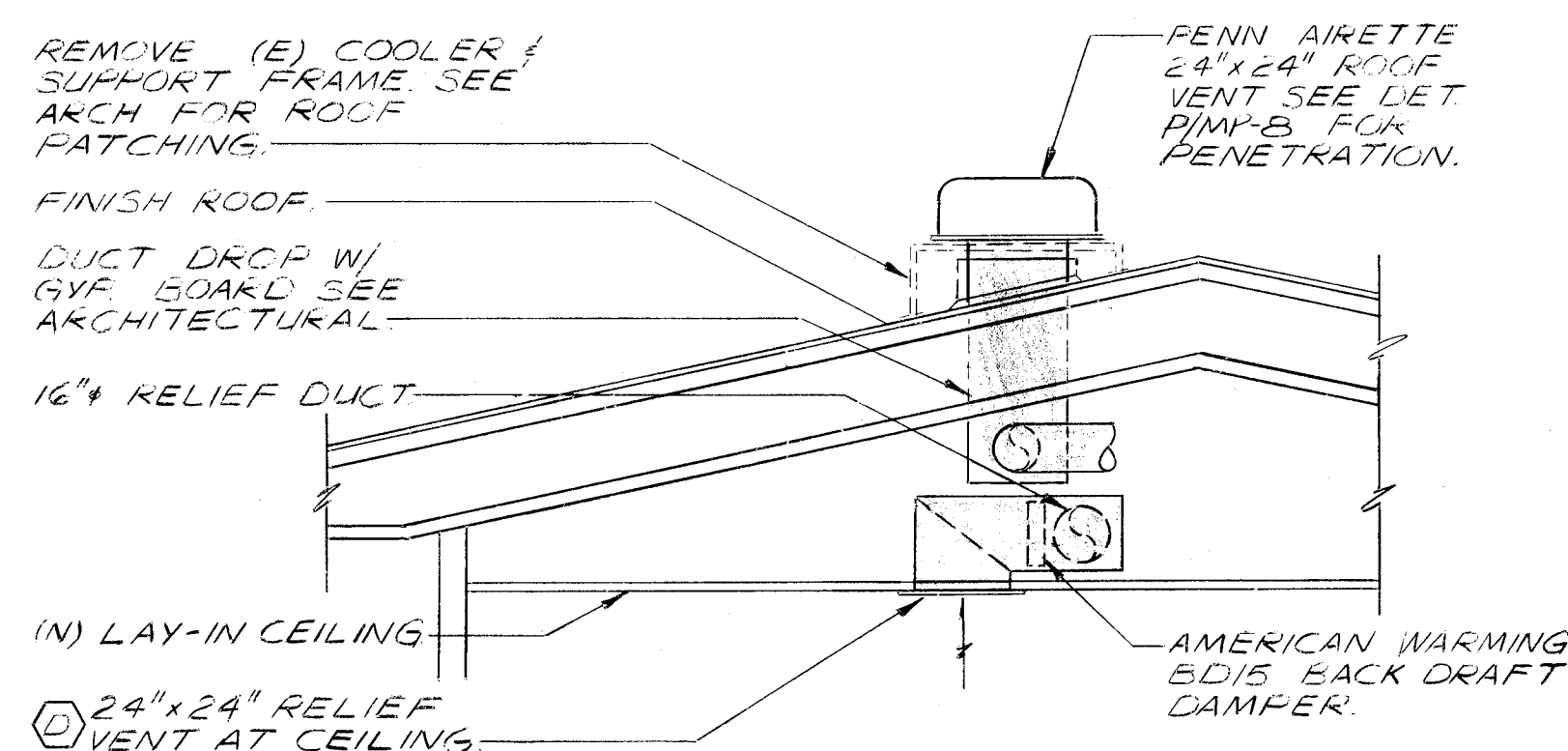
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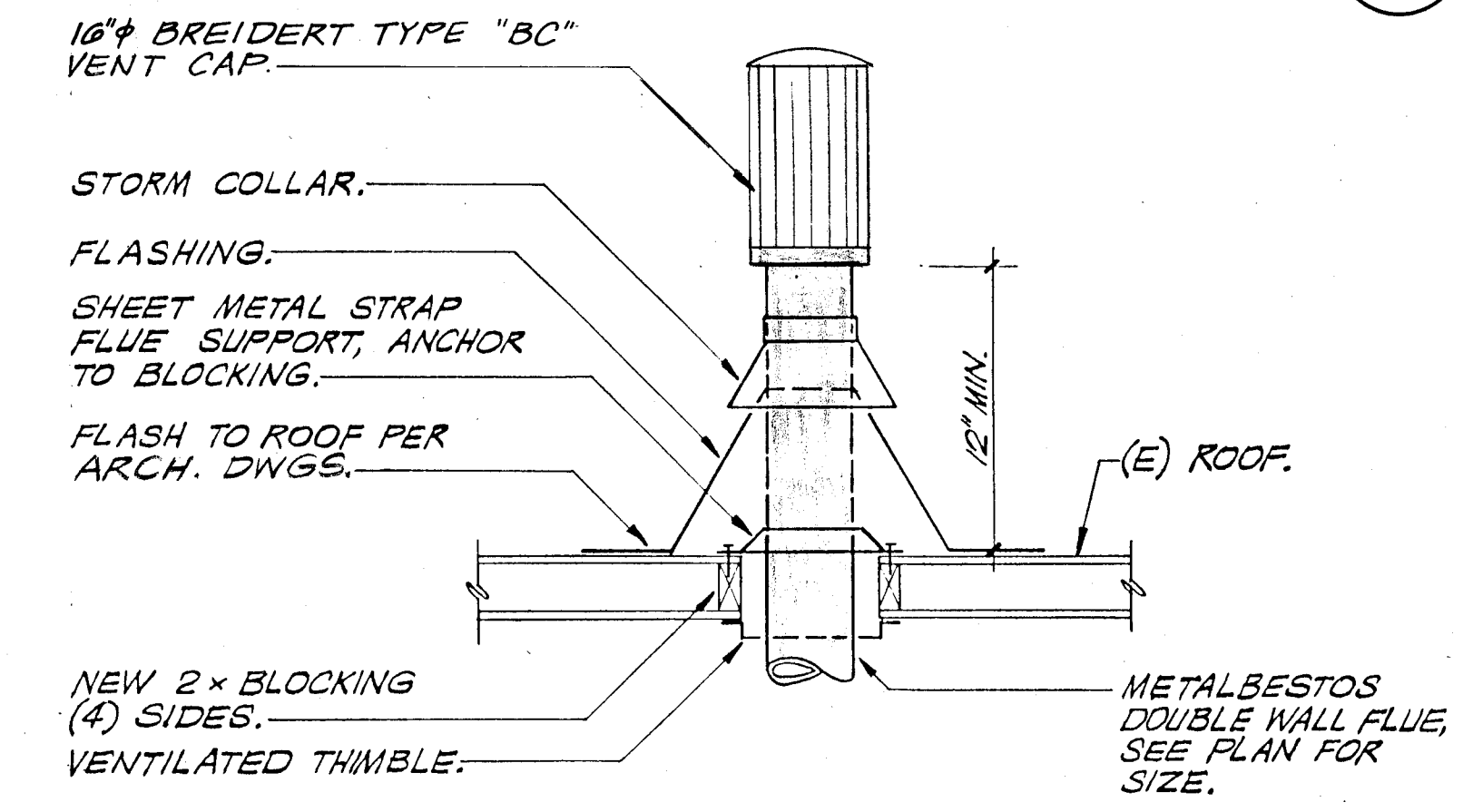
PLUMBING DETAILS & SCHEDULES
HORACE MANN MODERNIZATION
BAKERSFIELD CITY SCHOOL DISTRICT
2710 NILES AVENUE
BAKERSFIELD, CALIFORNIA 93307

job 87-127
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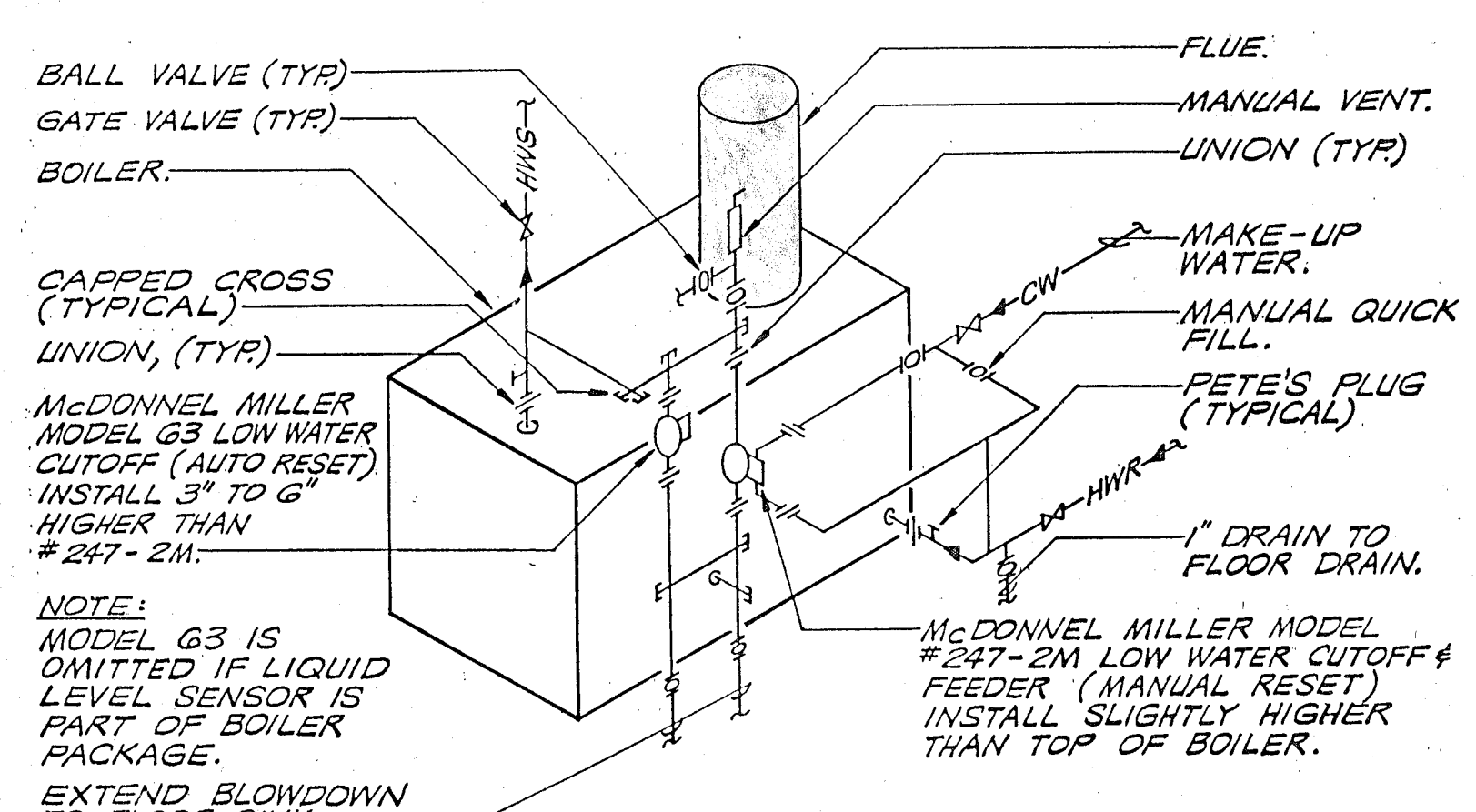
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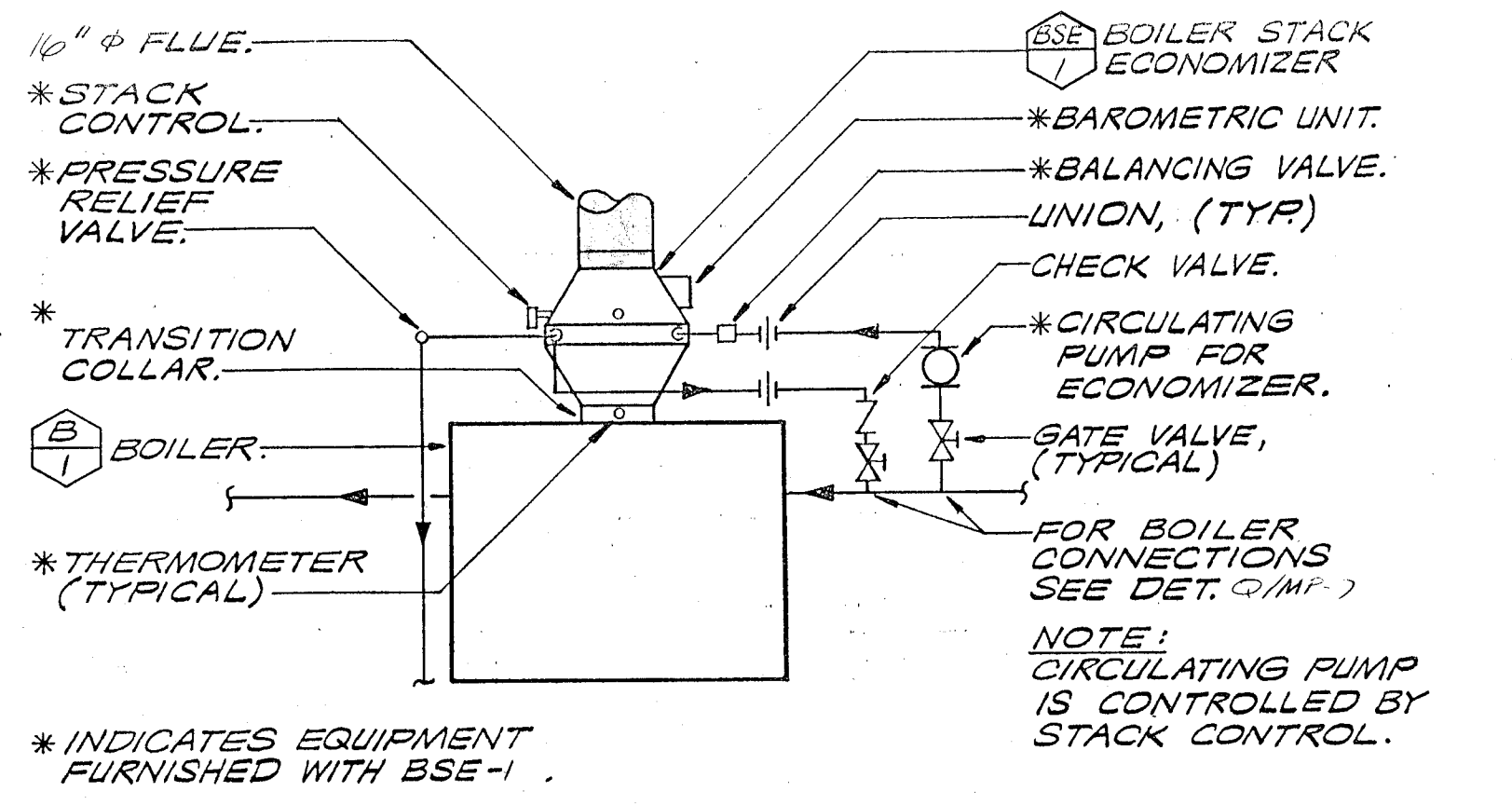
SECTION AT RELIEF VENT
SCALE: NONE



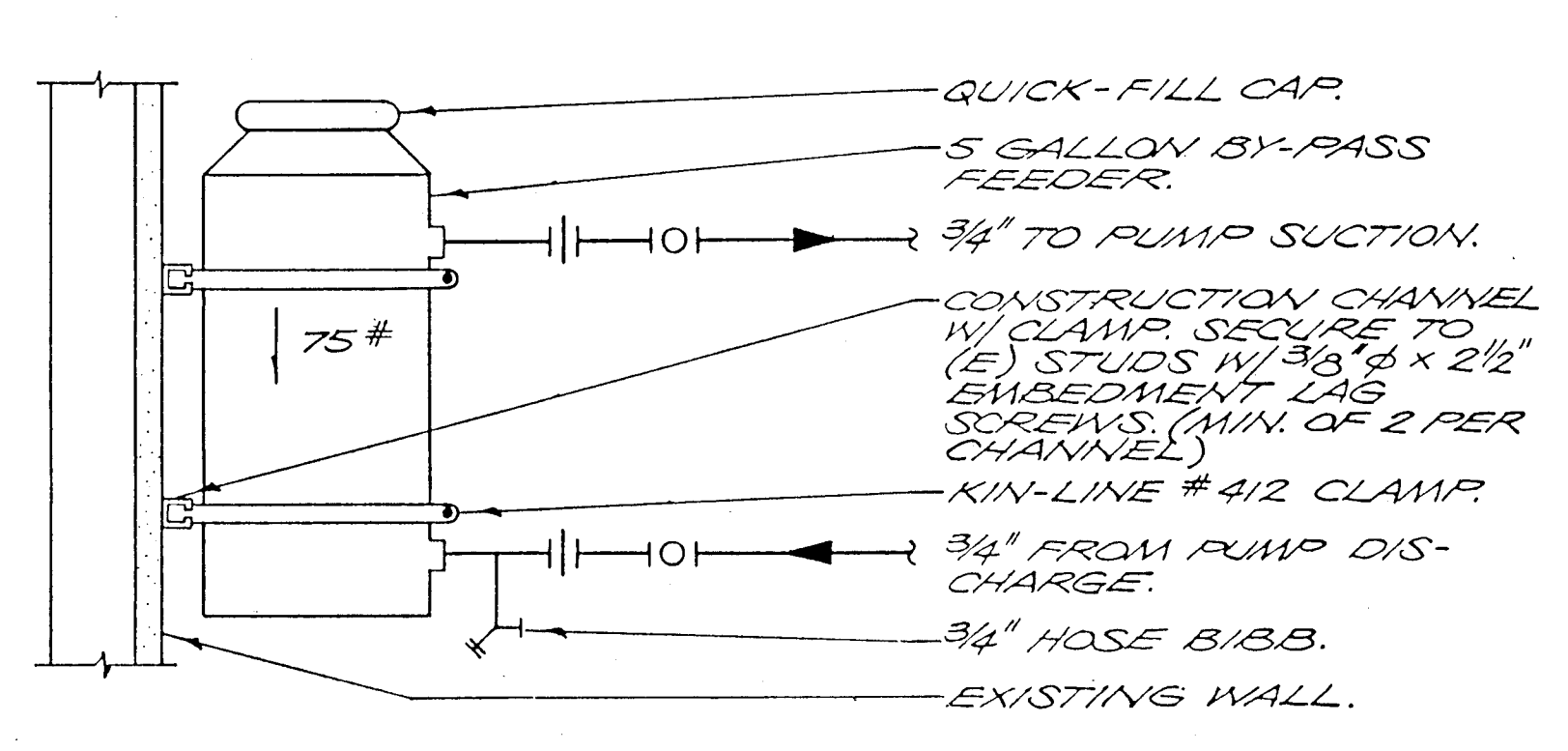
FLUE THRU ROOF DETAIL
SCALE: NONE



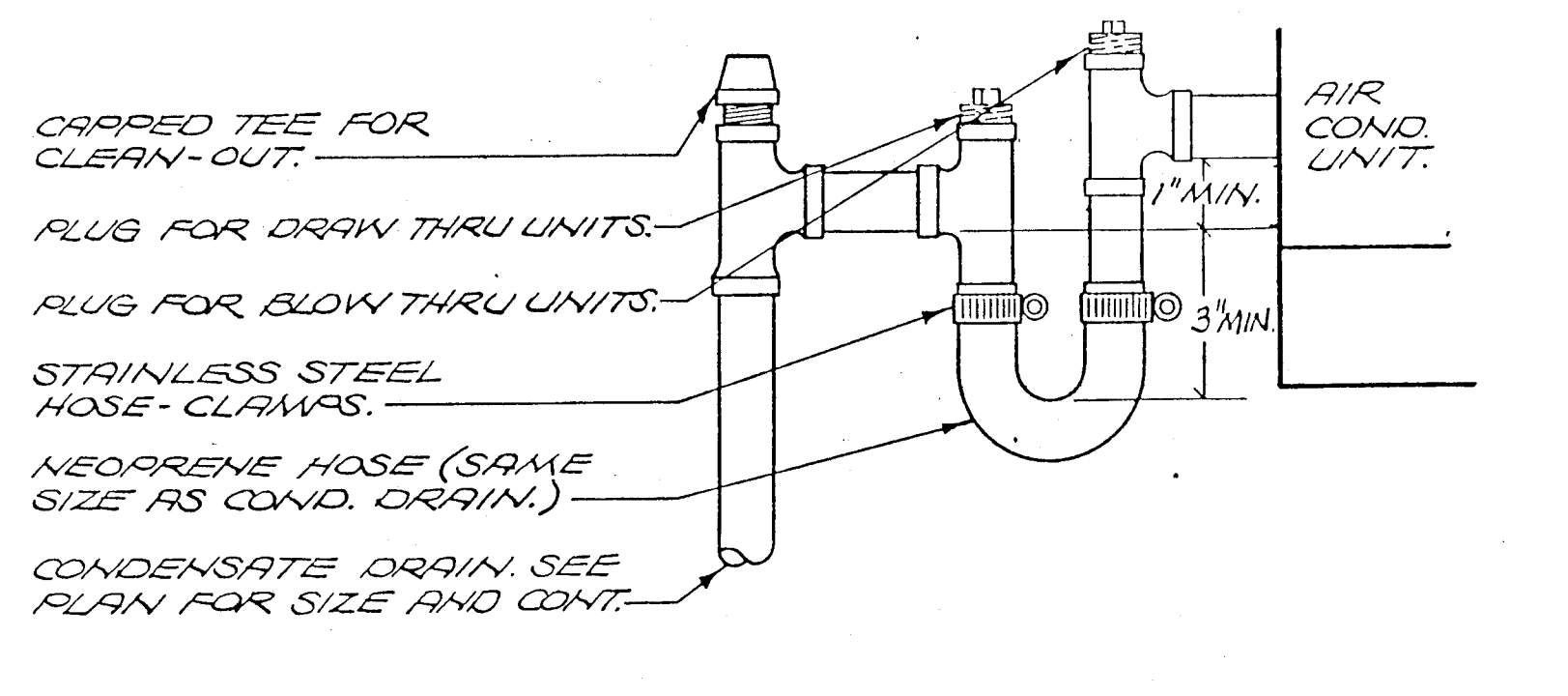
BOILER PIPING DETAIL
SCALE: NONE



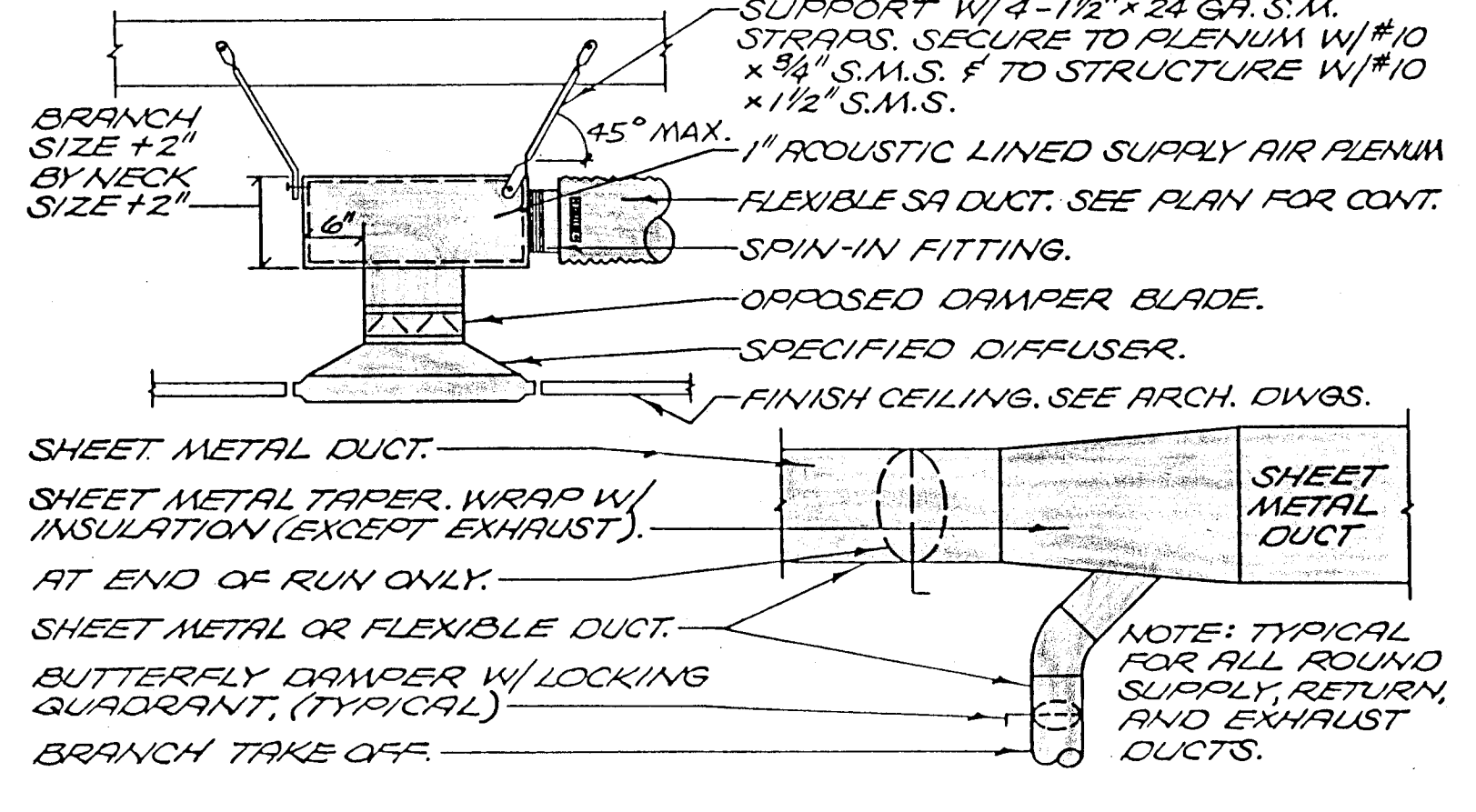
BOILER STACK ECONOMIZER DETAIL
SCALE: NONE



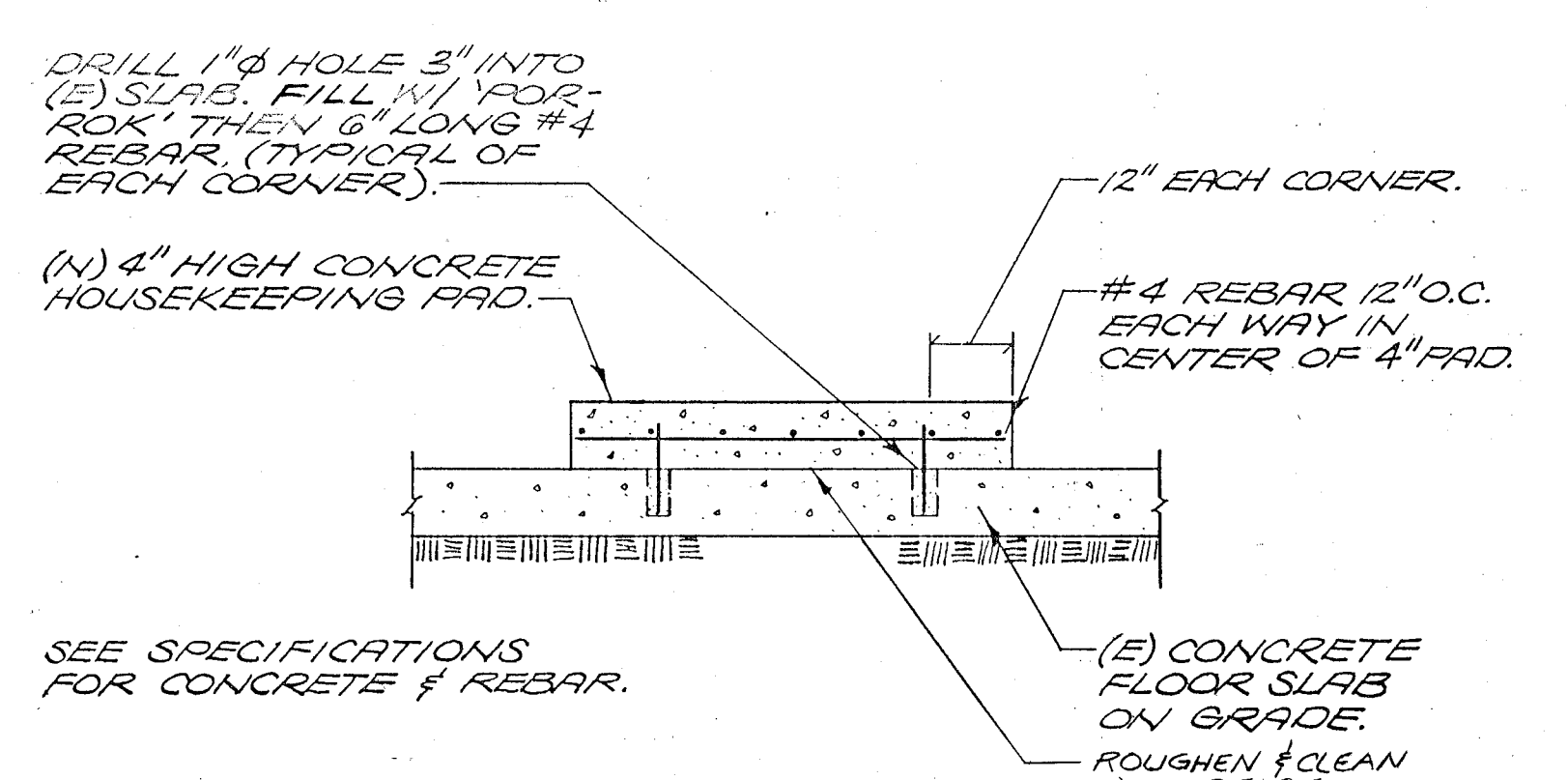
CLOSED SYSTEM BY-PASS FEEDER
SCALE: NONE



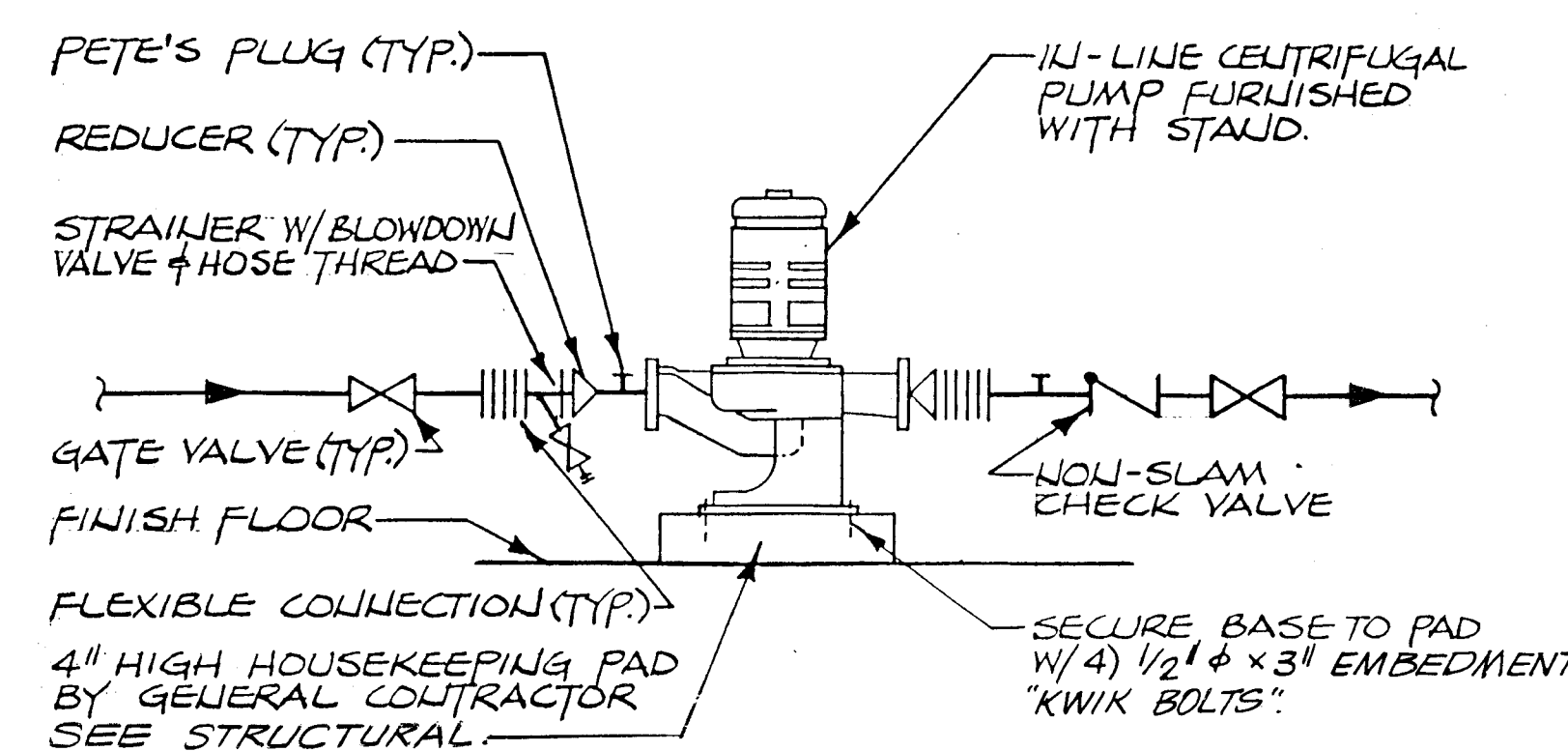
CONDENSATE DRAIN CONNECTION (UNIT HC-1)
SCALE: NONE



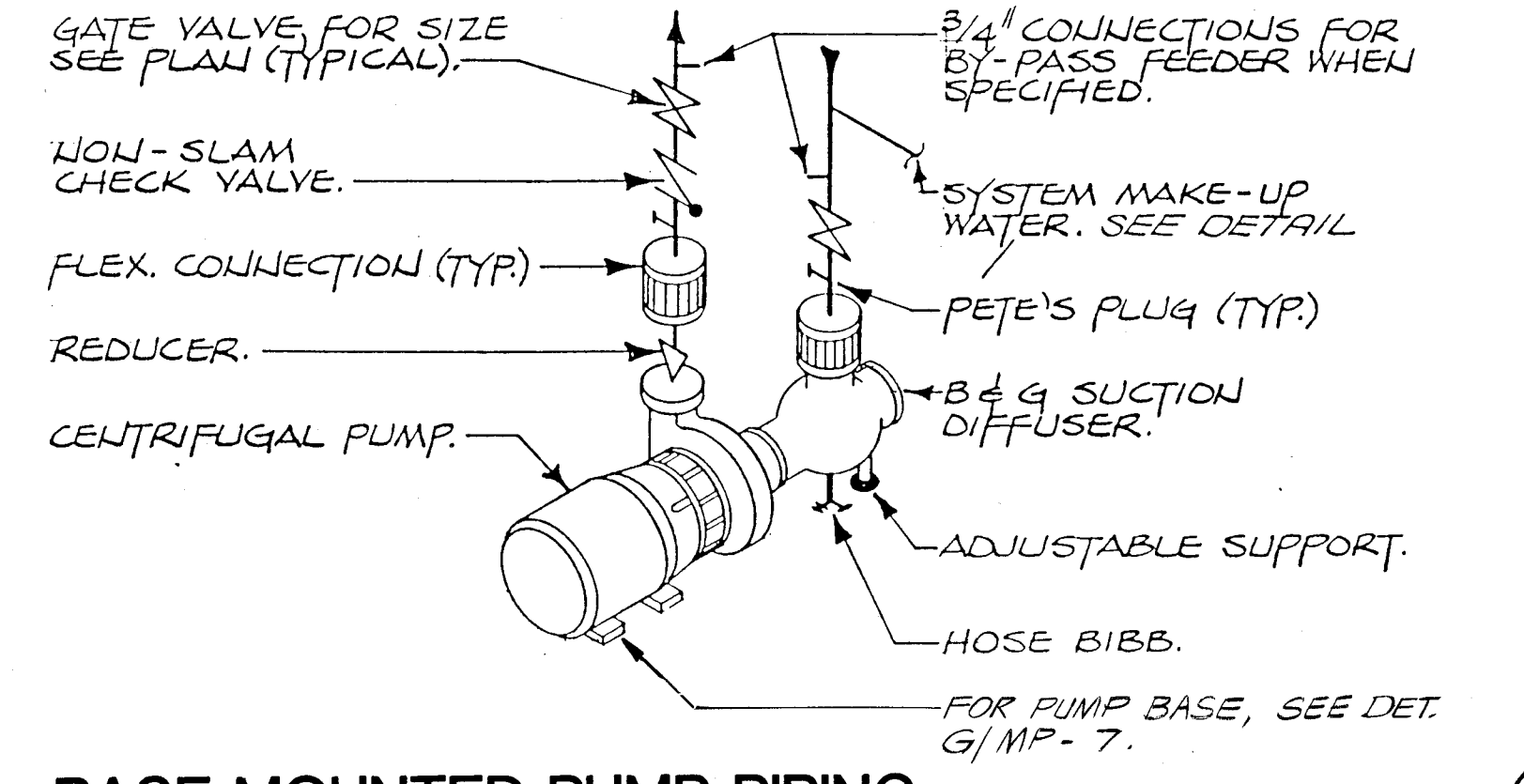
TYPICAL S.A. DEVICE-BRANCH DUCT DETAIL
SCALE: NONE



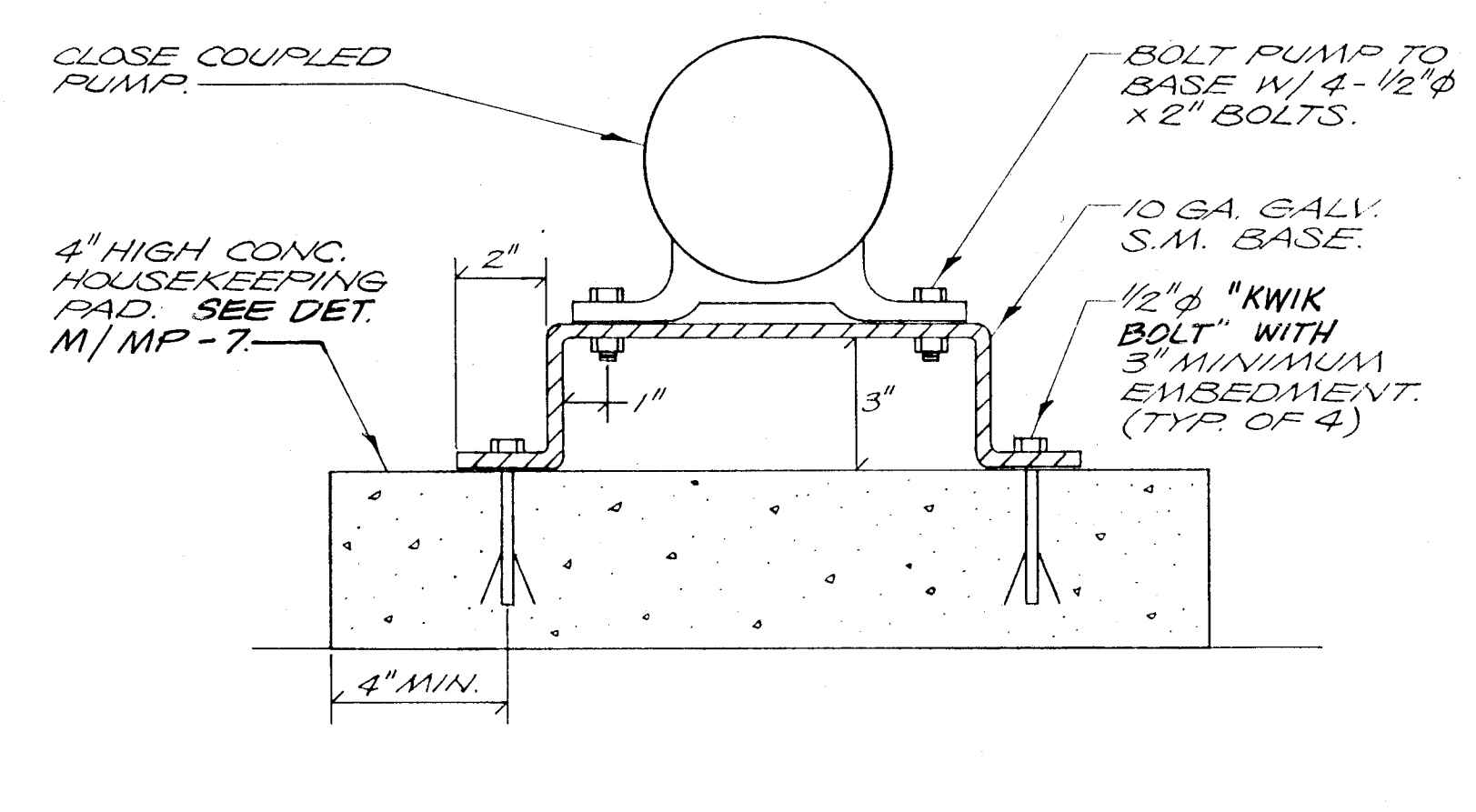
EQUIPMENT PAD
SCALE: NONE



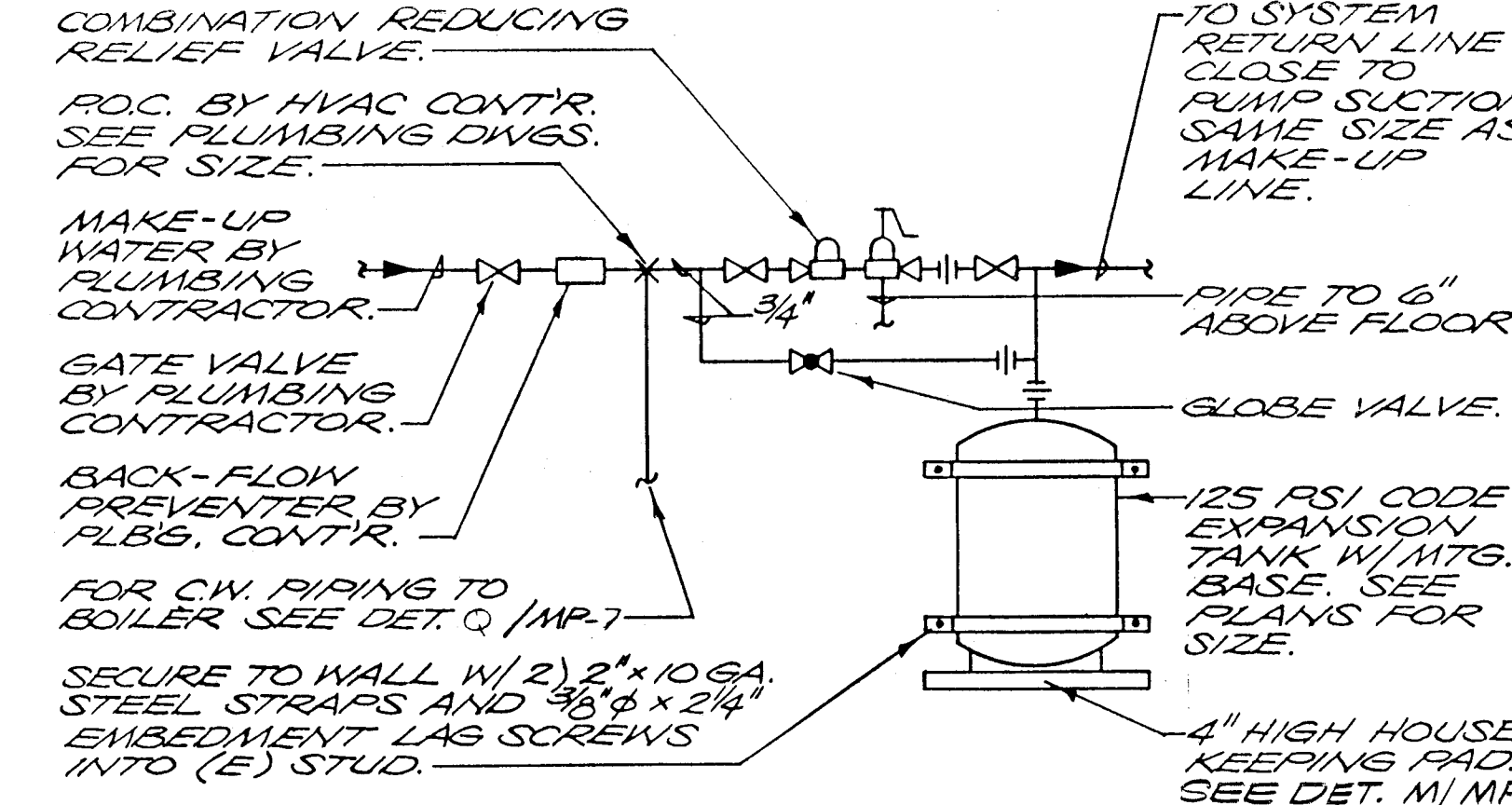
IN LINE PUMP PIPING (WITH SUPPORT STAND)
SCALE: NONE



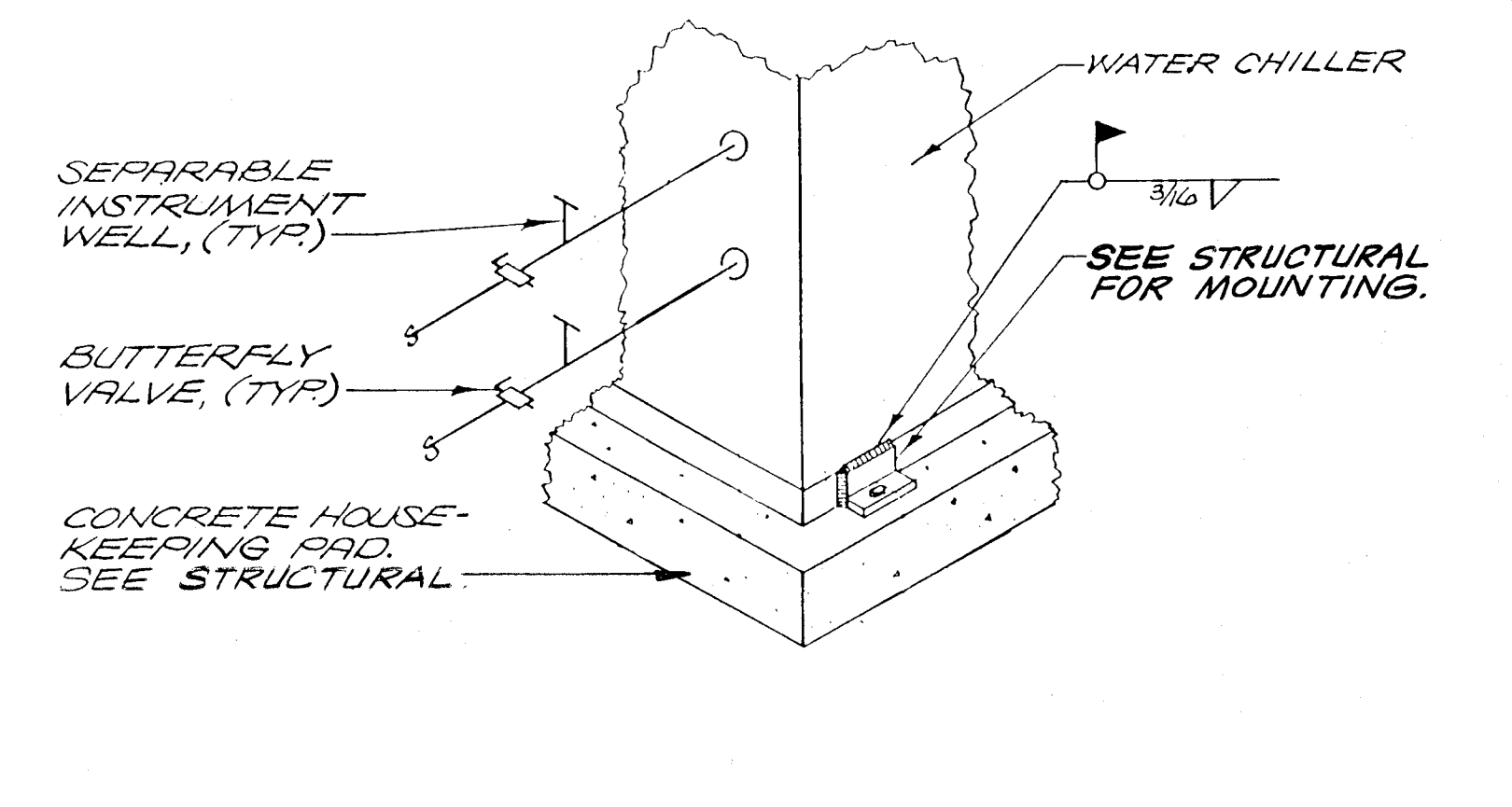
BASE MOUNTED PUMP PIPING
SCALE: NONE



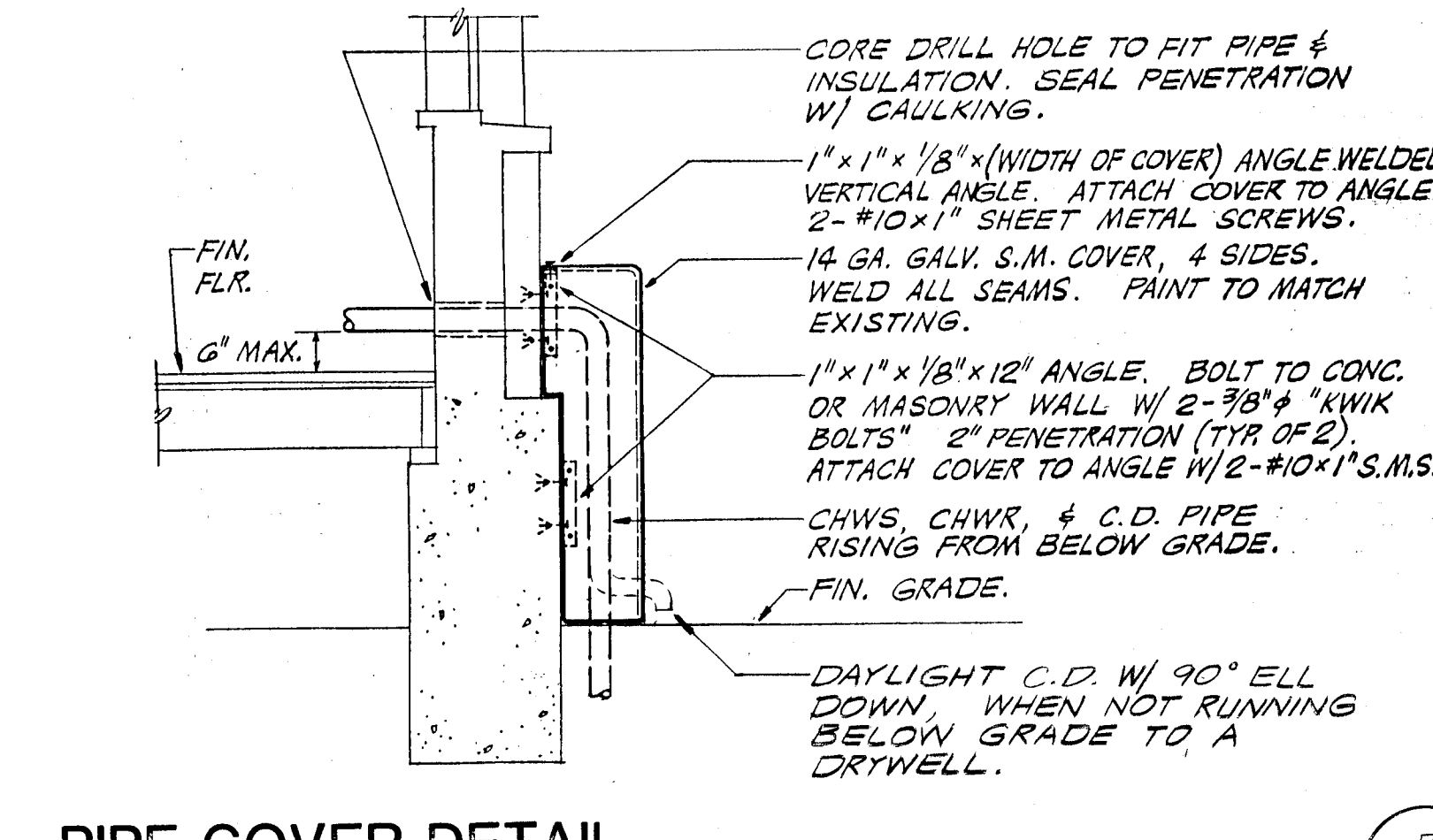
CLOSED COUPLED PUMP BASE
SCALE: NONE



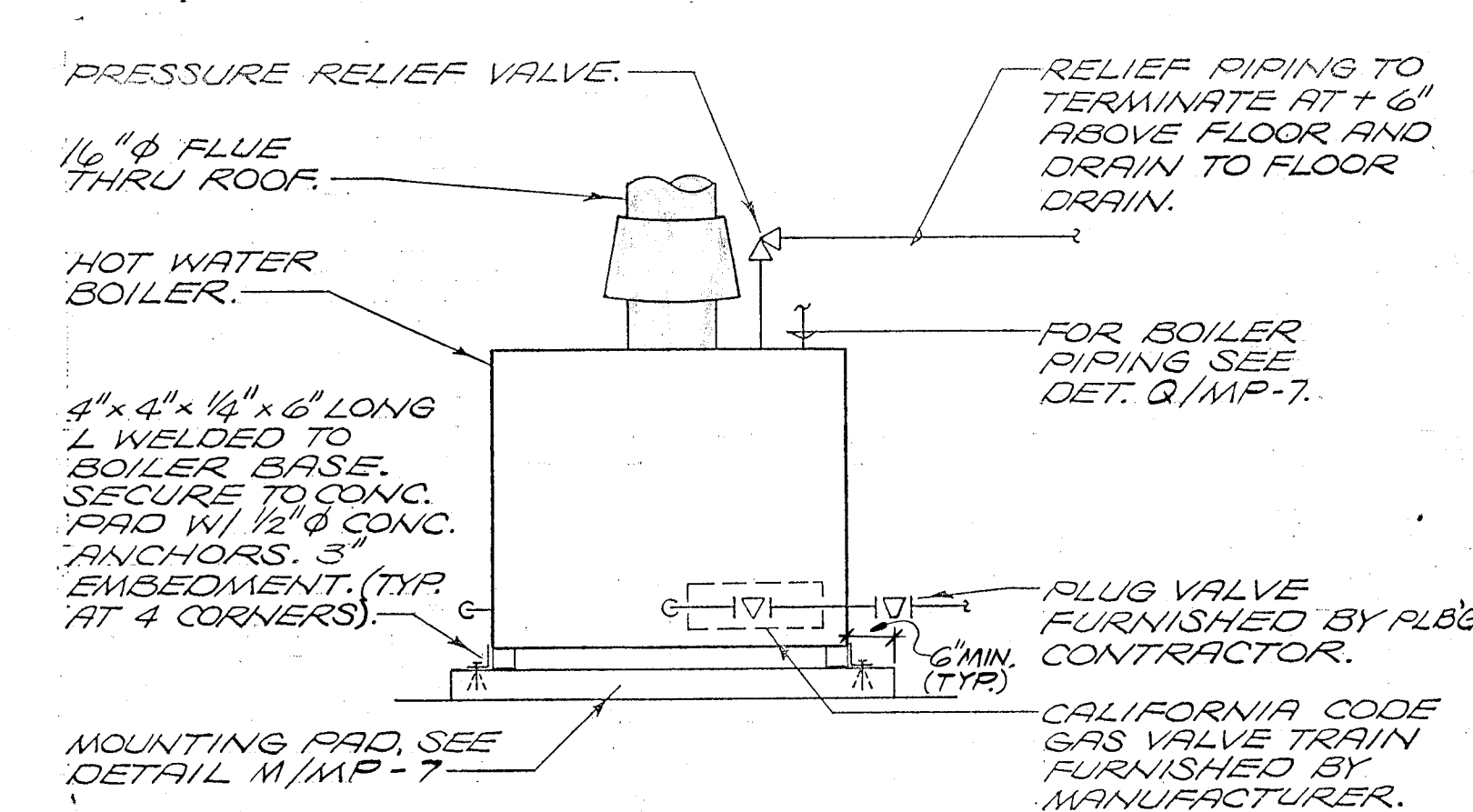
MAKE-UP WATER & EXPANSION TANK DETAIL
SCALE: NONE



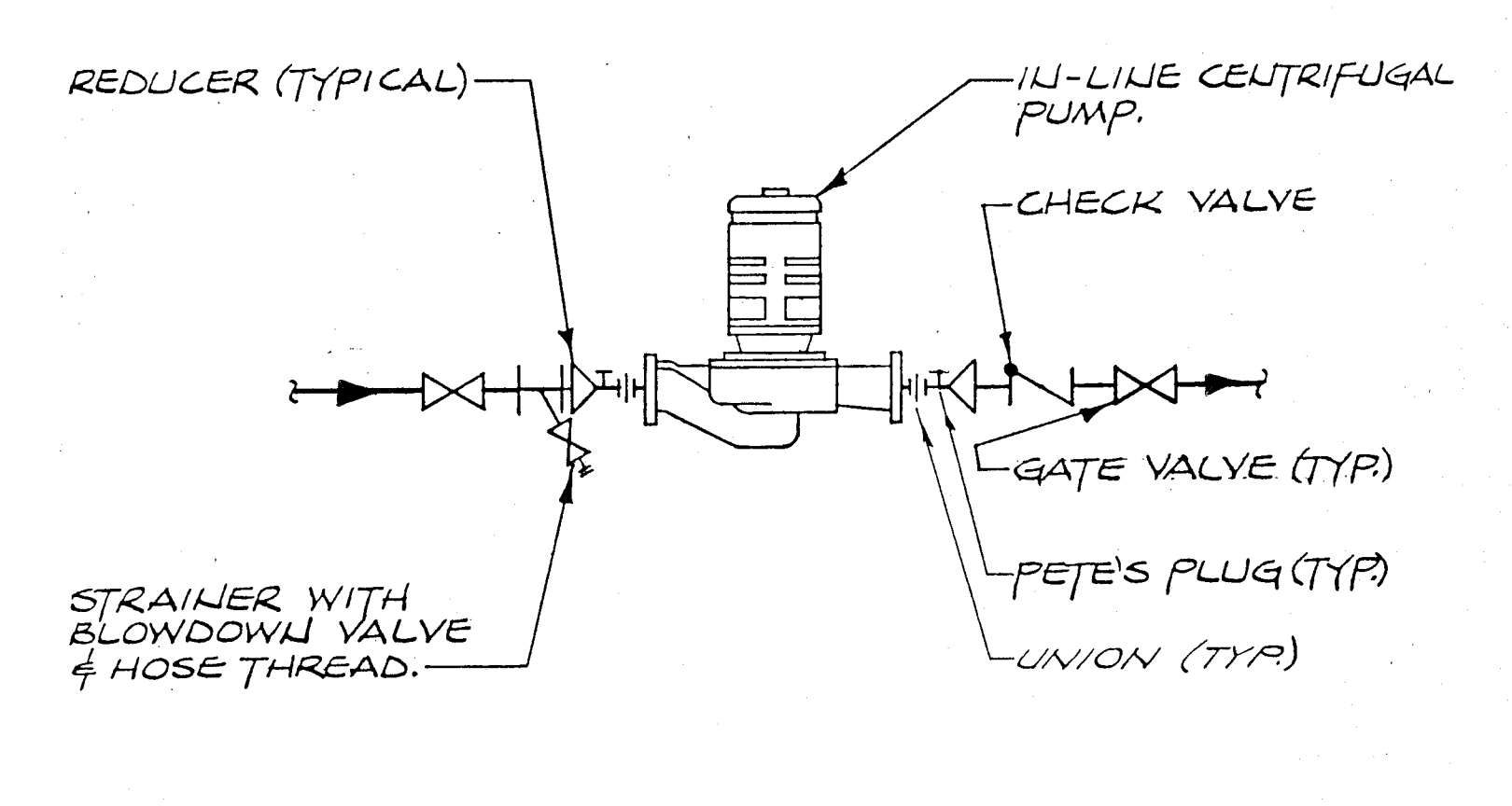
BRINE CHILLER MTG. & PIPING DETAIL
SCALE: NONE



PIPE COVER DETAIL
SCALE: NONE

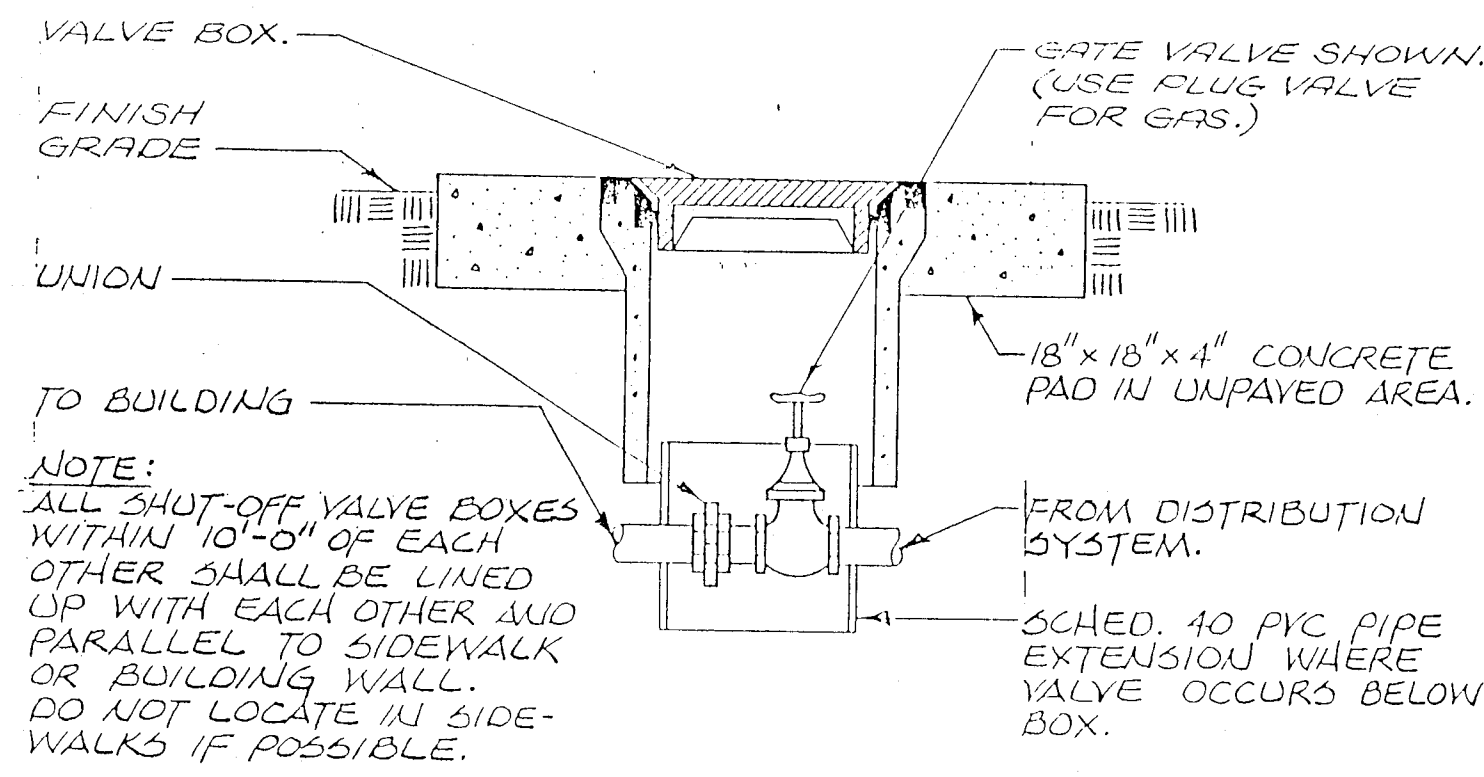


BOILER MOUNTING DETAIL
SCALE: NONE



IN LINE PUMP PIPING
SCALE: NONE

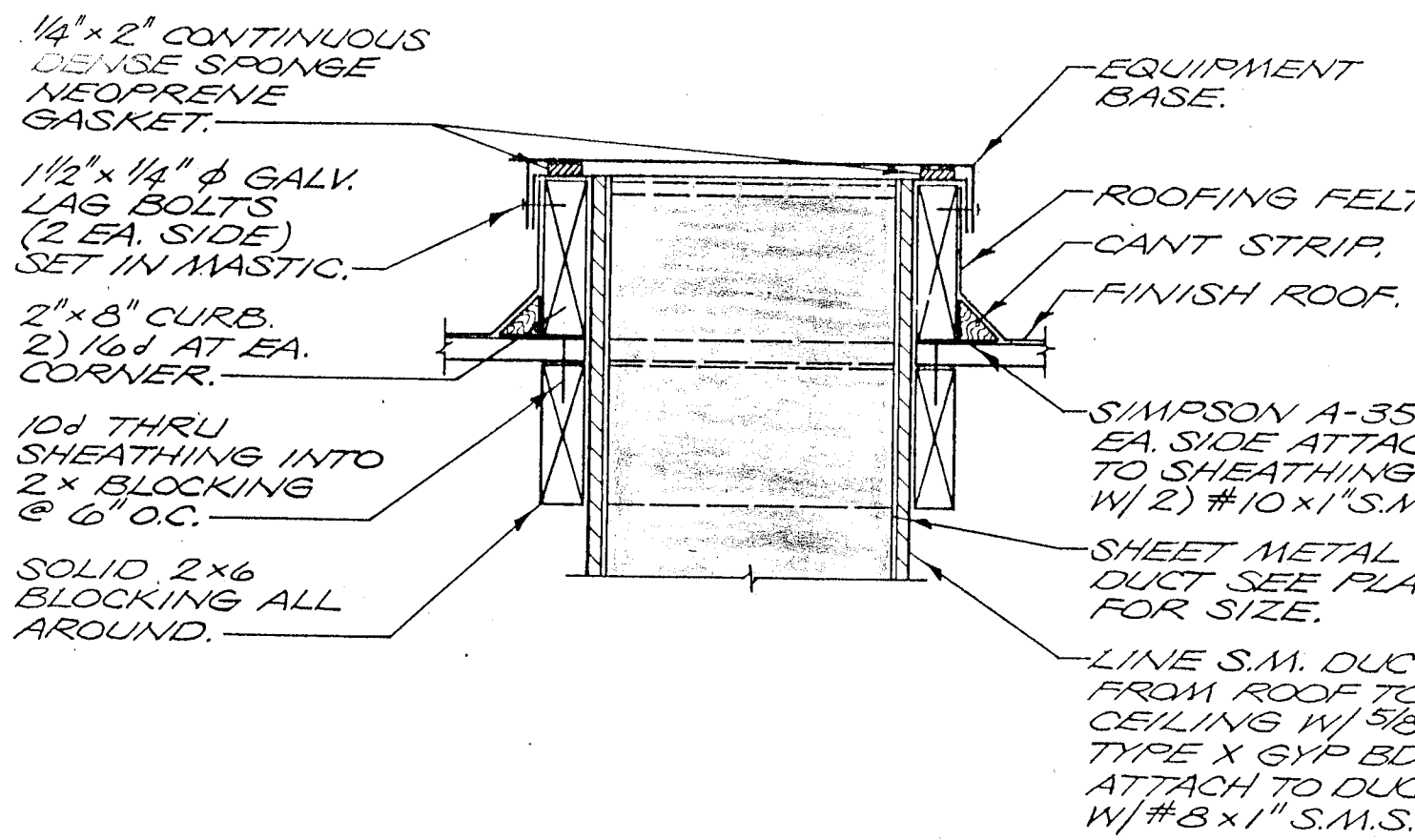
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SHUT-OFF VALVE IN BOX DETAIL

SCALE: NONE

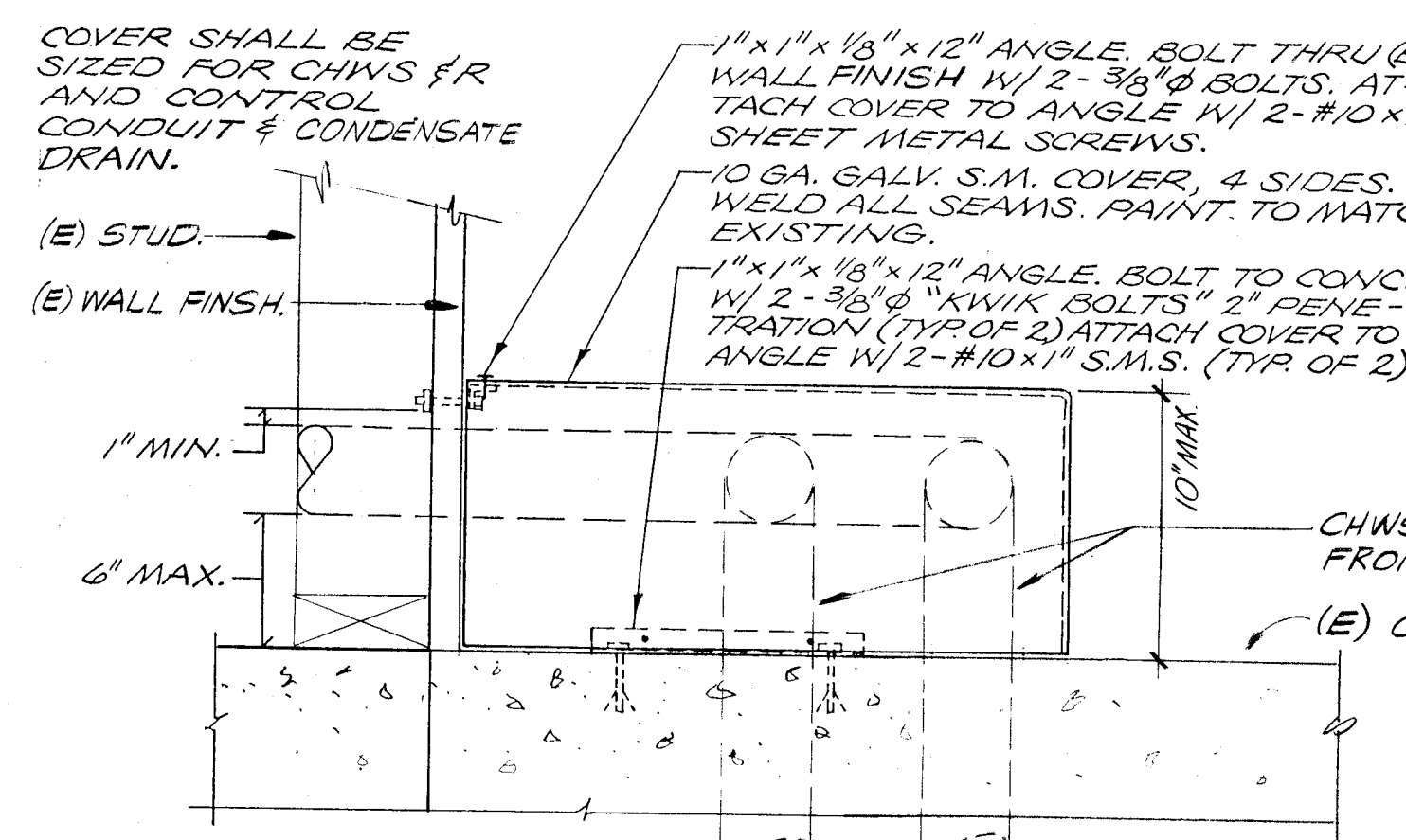
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MP-8



EQUIPMENT SUPPORT DETAIL

SCALE: NONE

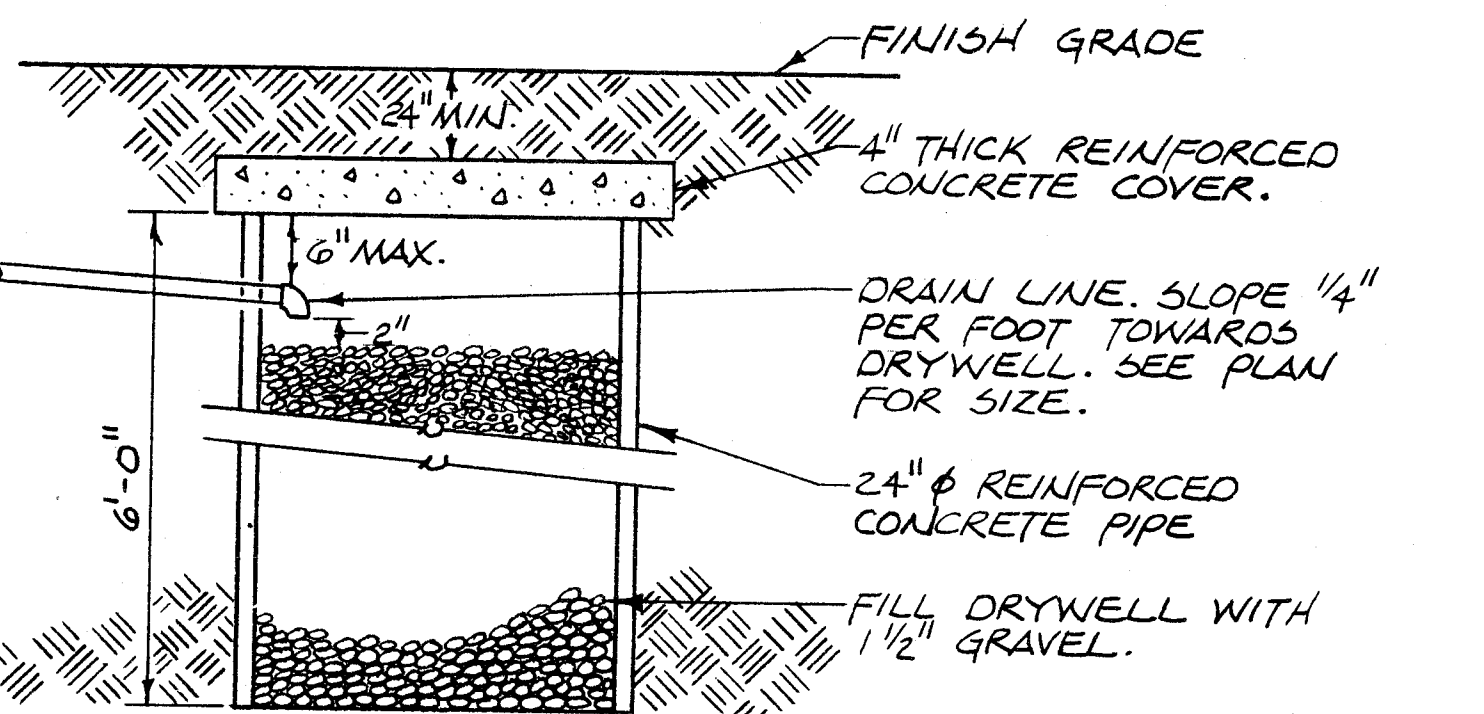
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PIPING COVER DETAIL

SCALE: NONE

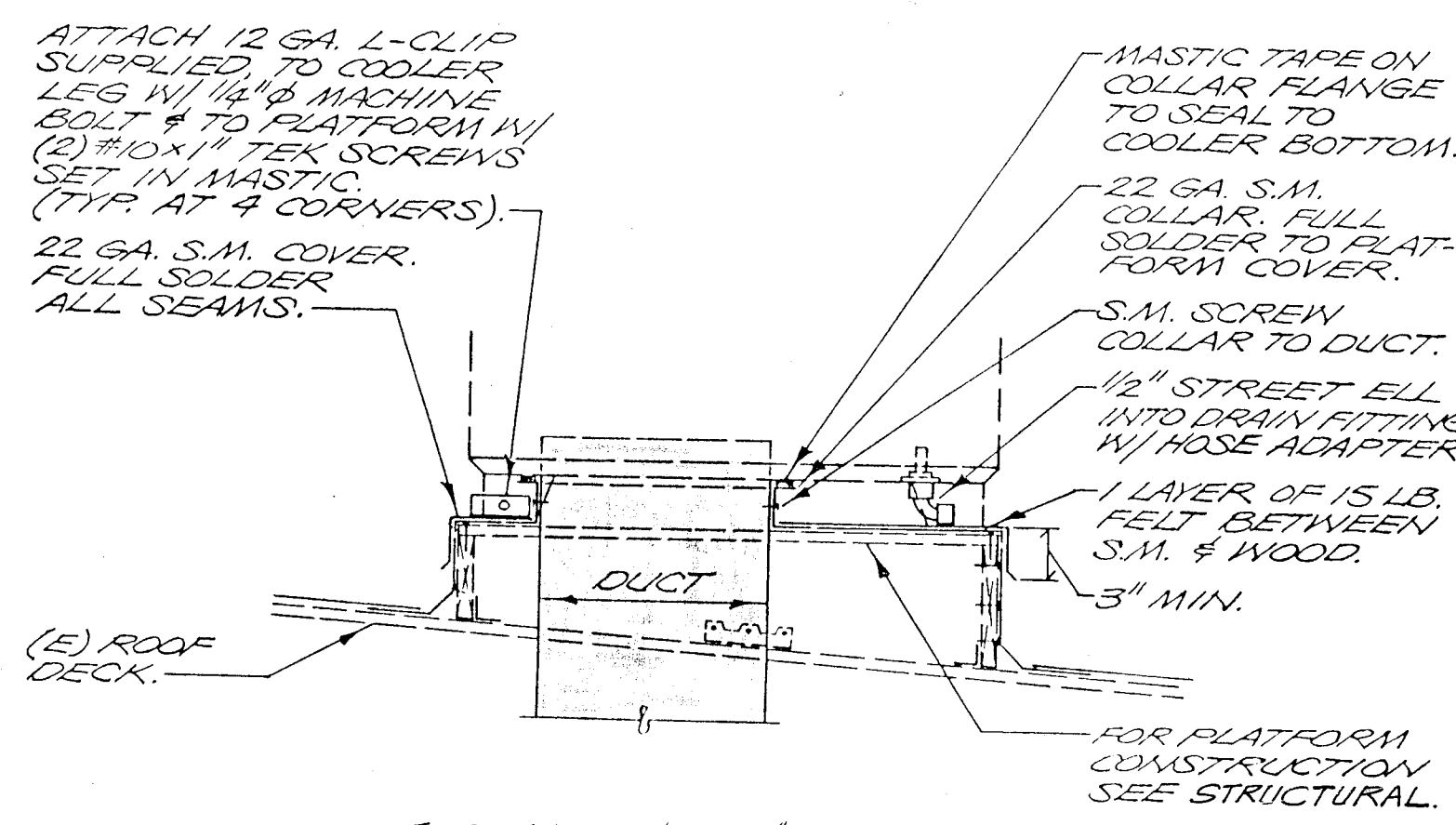
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DRYWELL DETAIL

SCALE: NONE

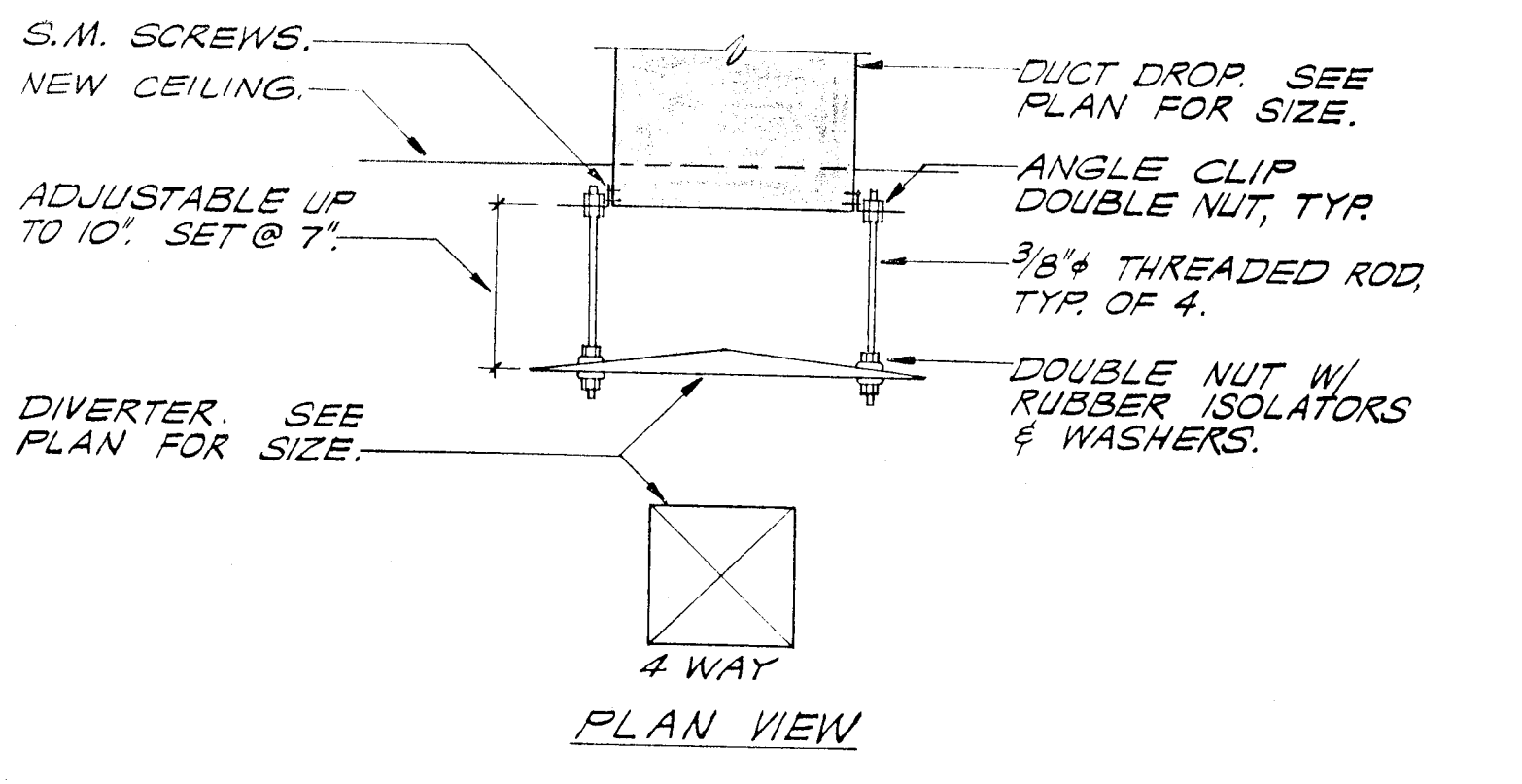
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EVAP. COOLER PLATFORM DETAIL

SCALE: NONE

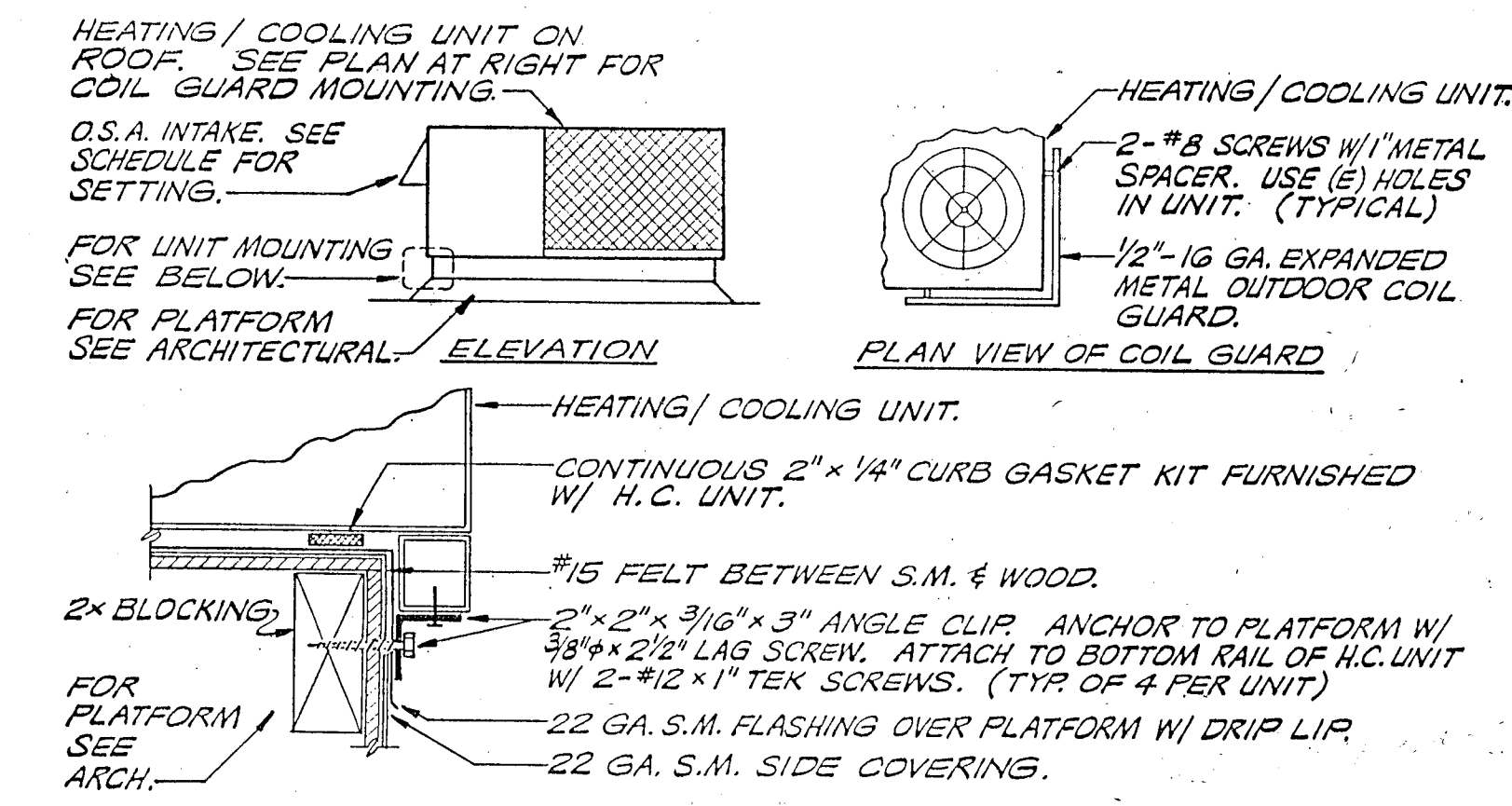
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EVAP. COOLER DIVERTER INSTALLATION

SCALE: NONE

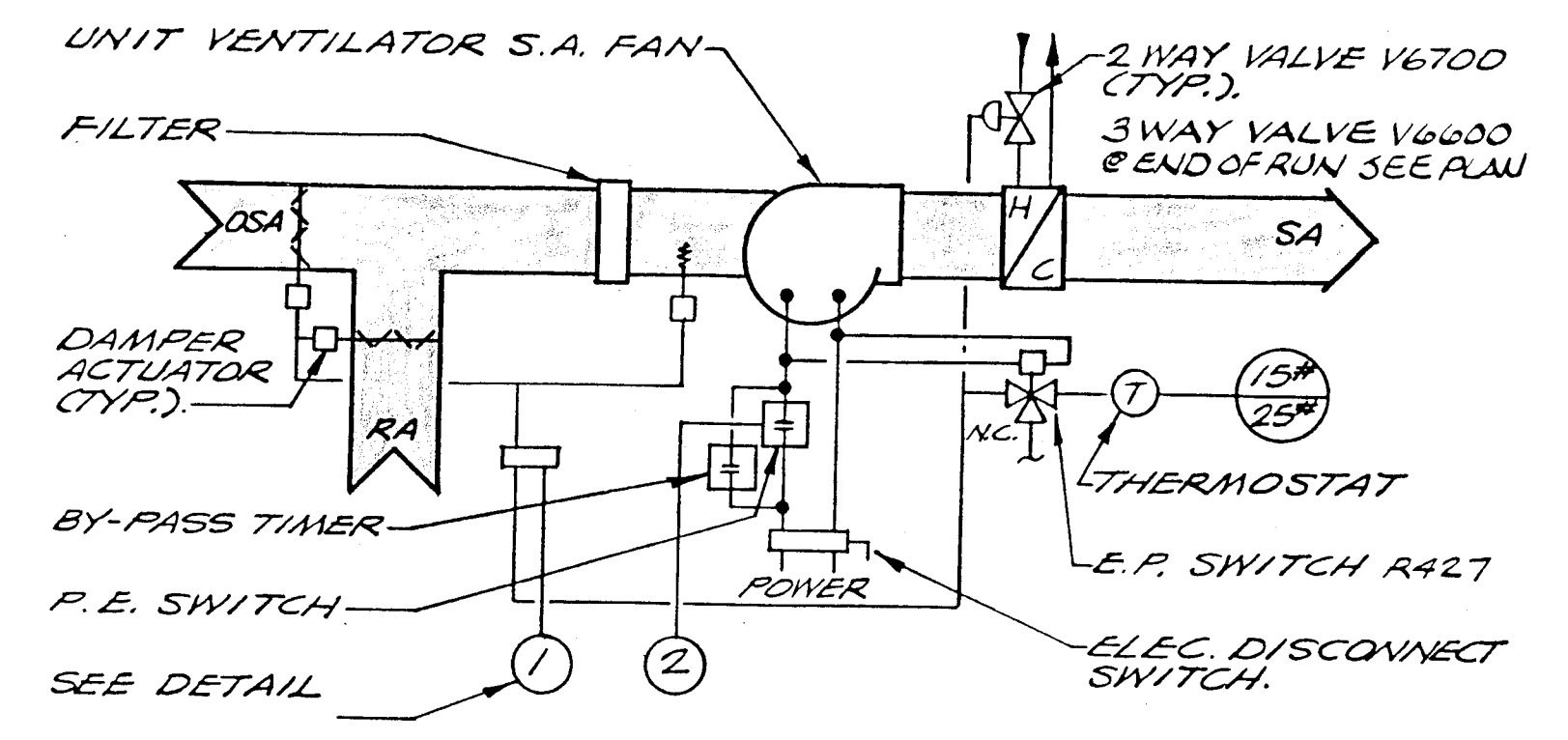
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SECTION AT HC UNIT ON ROOF

SCALE: NONE

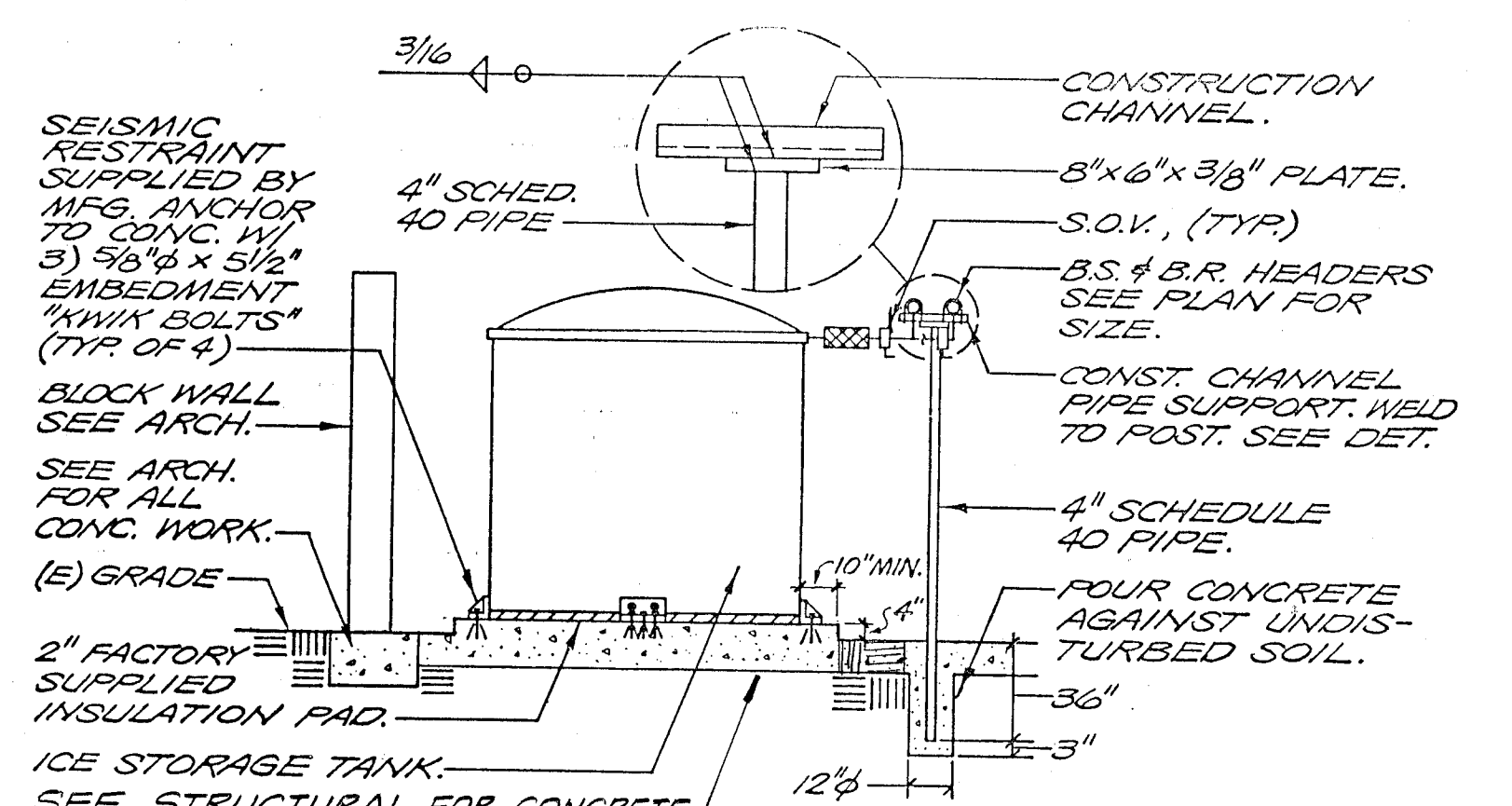
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UNIT VENTILATOR CONTROL

SCALE: NONE

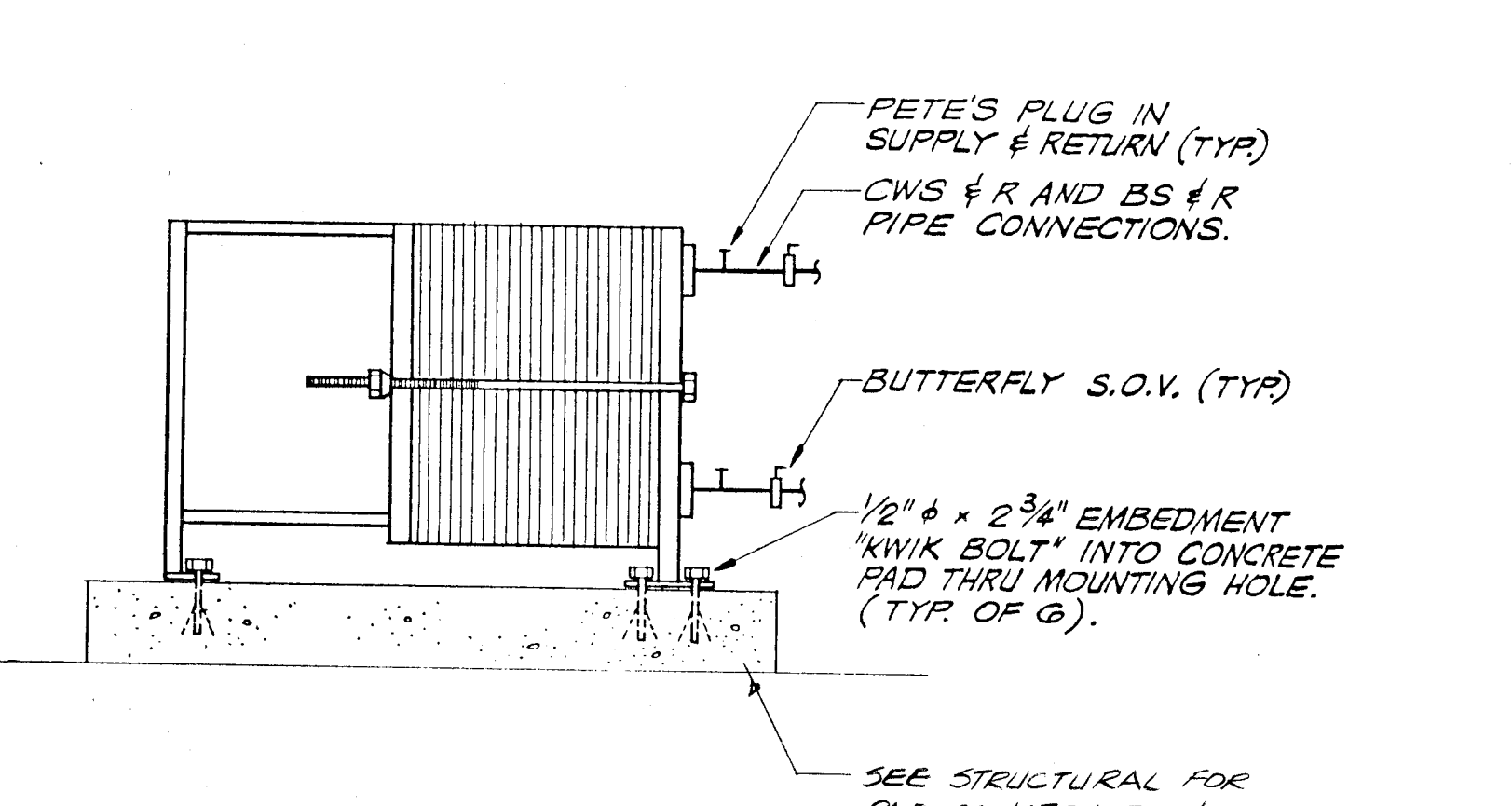
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ICE STORAGE TANK DETAIL

SCALE: NONE

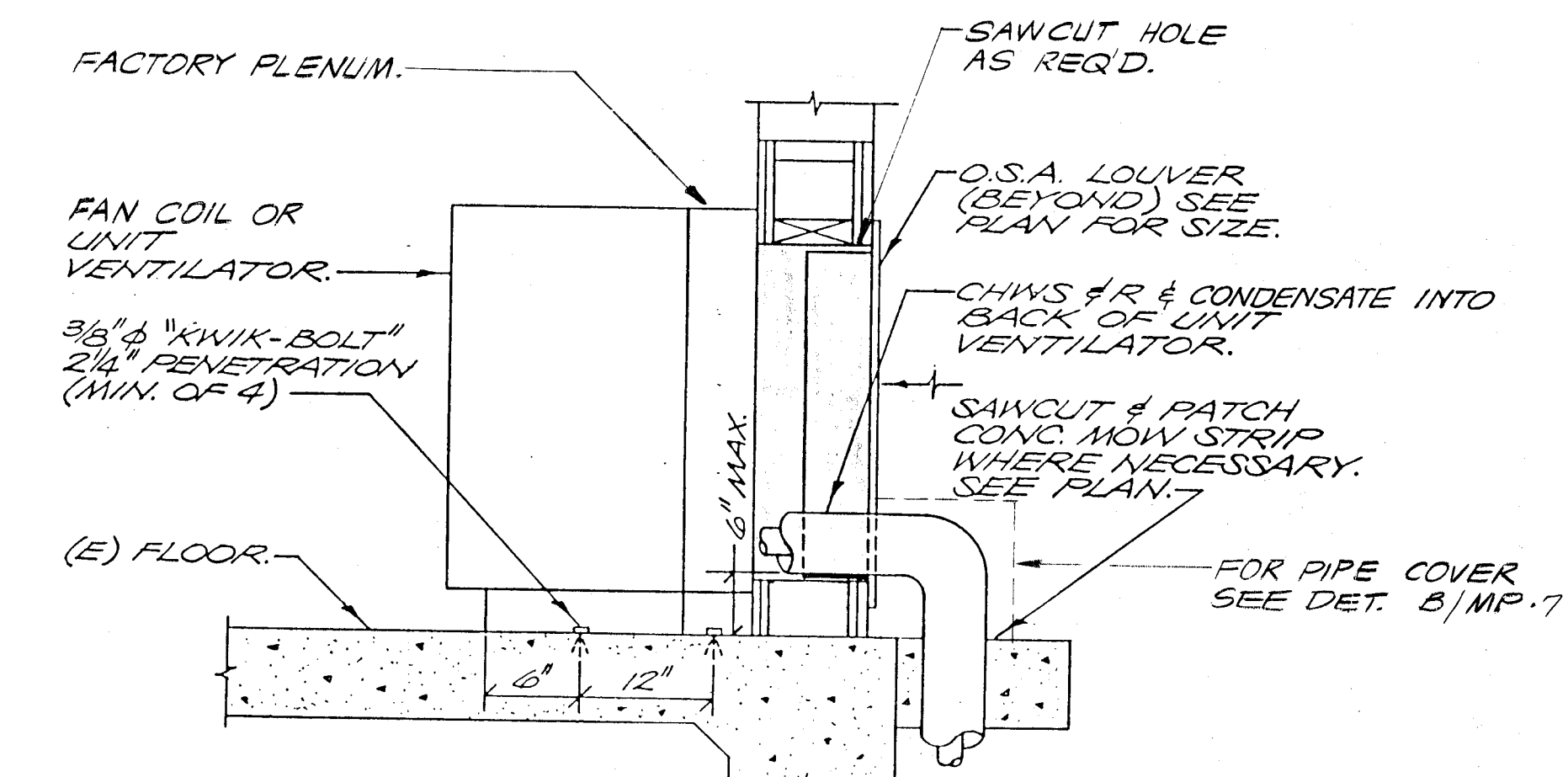
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HEAT EXCHANGER MOUNTING DETAIL

SCALE: NONE

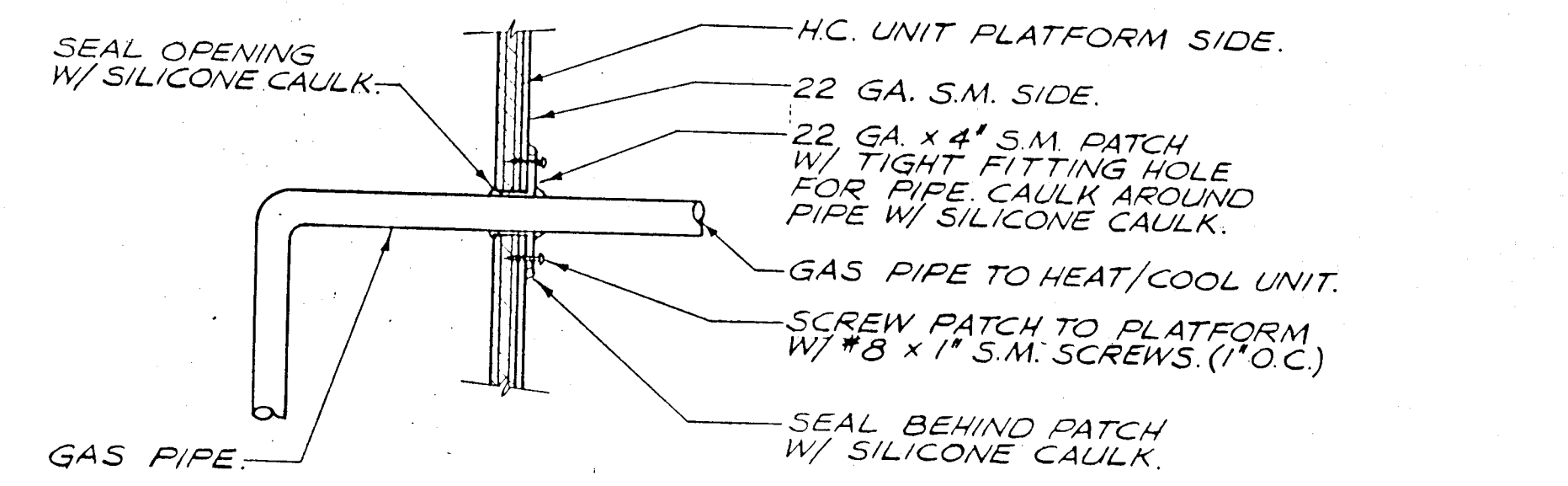
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SECTION AT UNIT VENTILATOR (FAN COIL SIMILAR)

SCALE: NONE

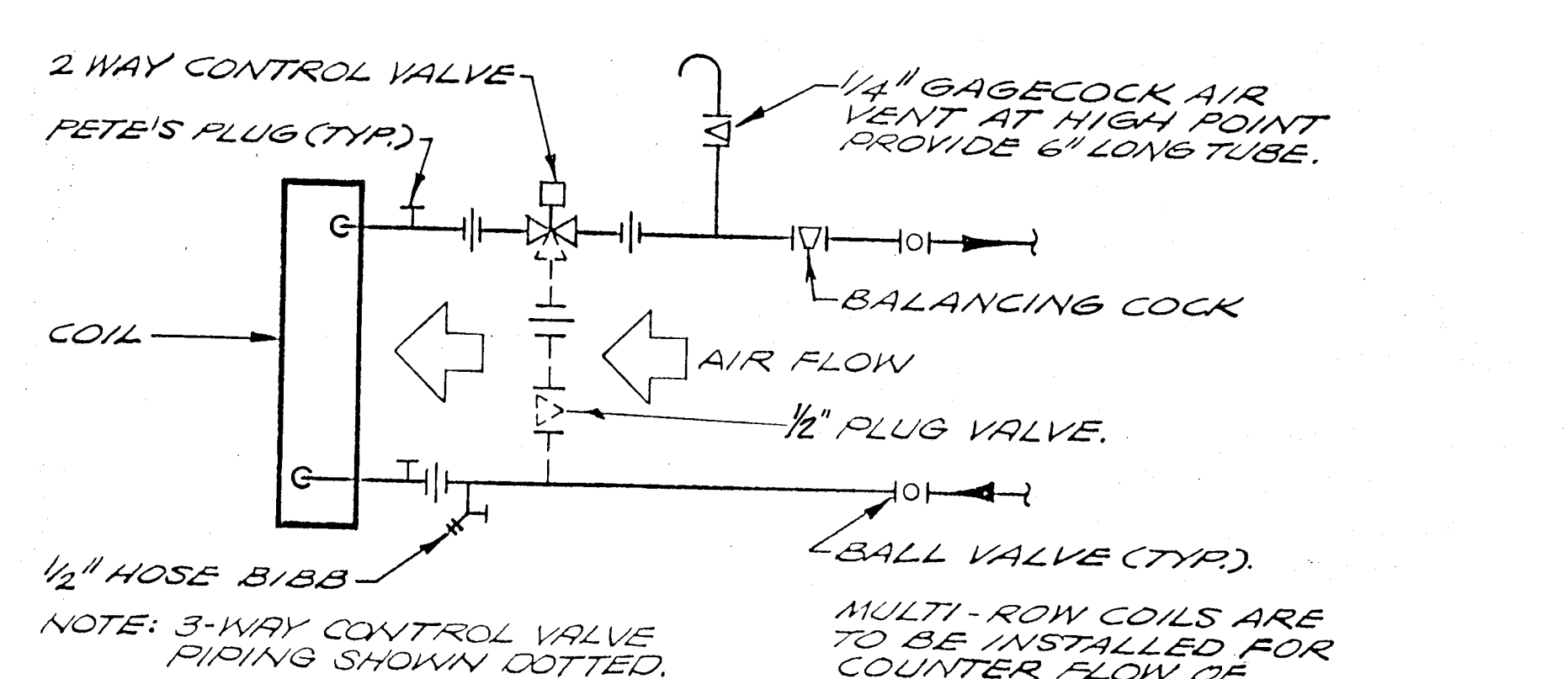
A
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GAS PIPE PLATFORM PENETRATION

SCALE: NONE

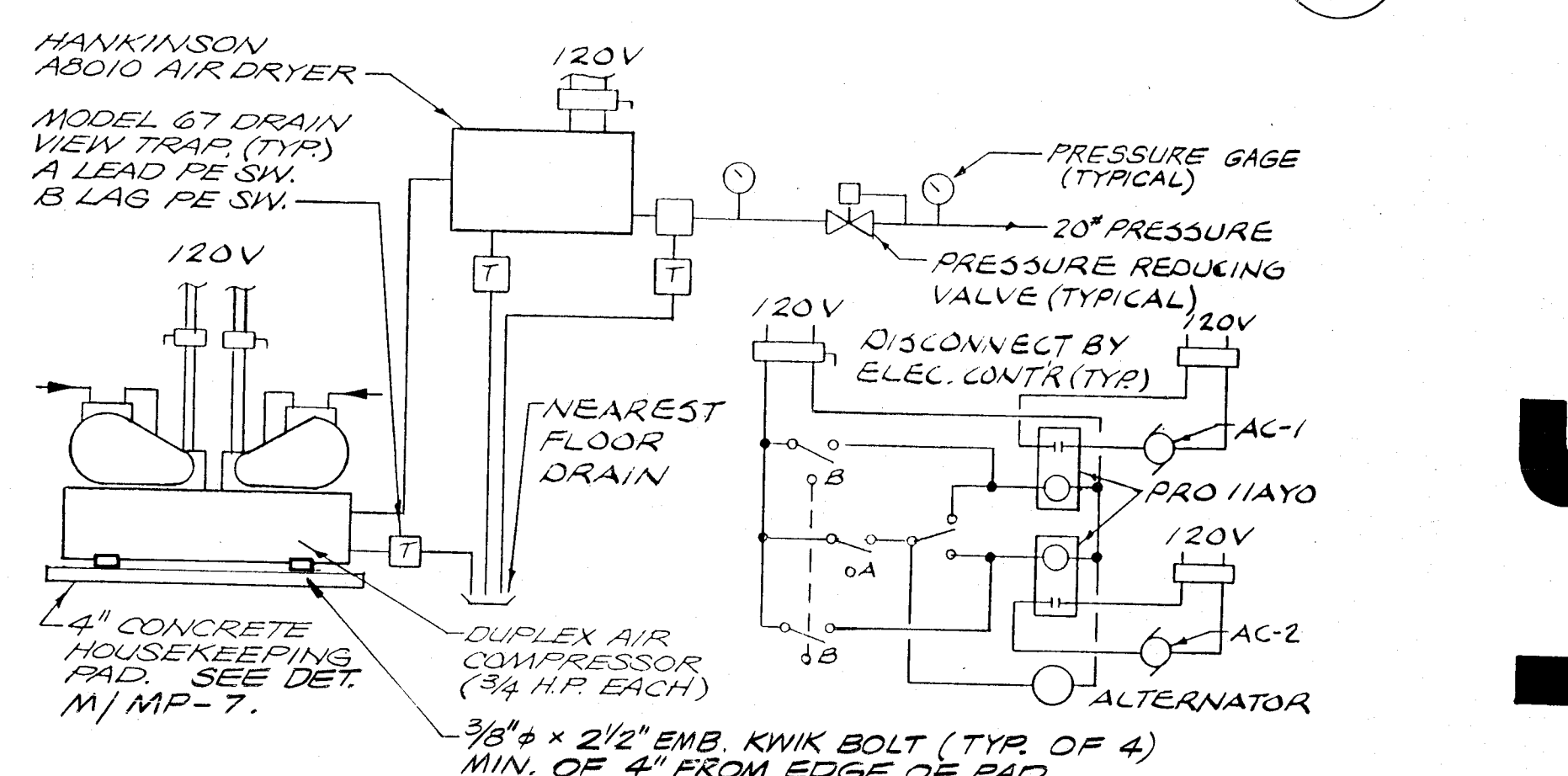
B
MP-8



COIL PIPING DETAIL

SCALE: NONE

C
MP-8



CONTROL AIR COMPRESSOR

SCALE: NONE

D
MP-8

DETAILS

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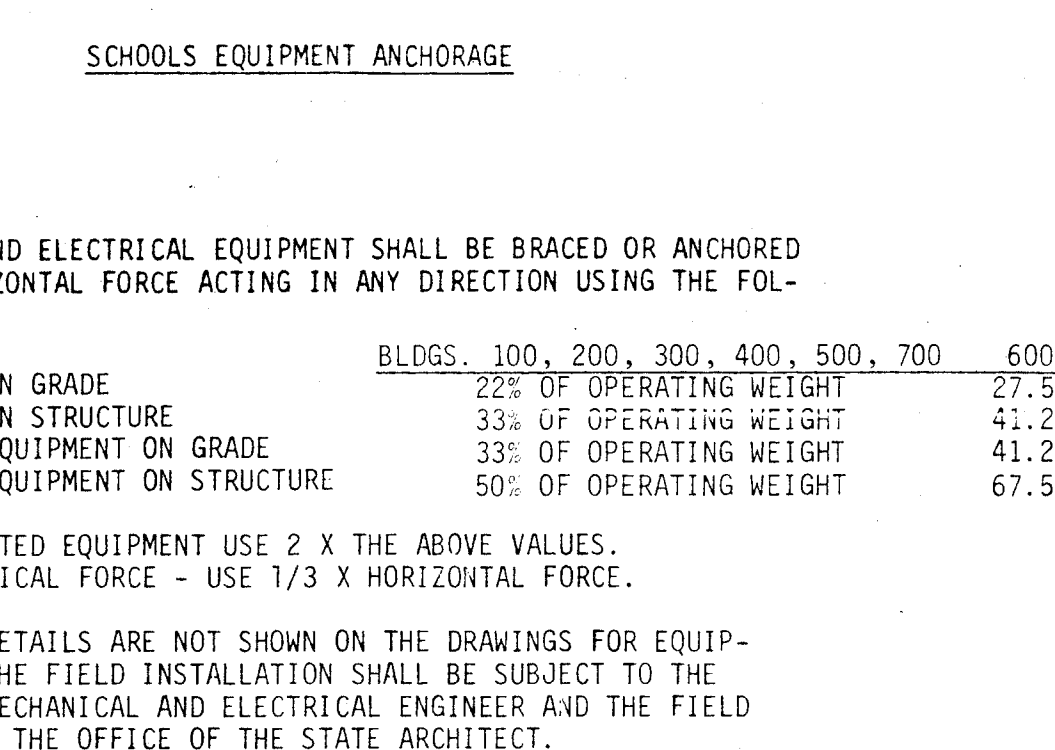
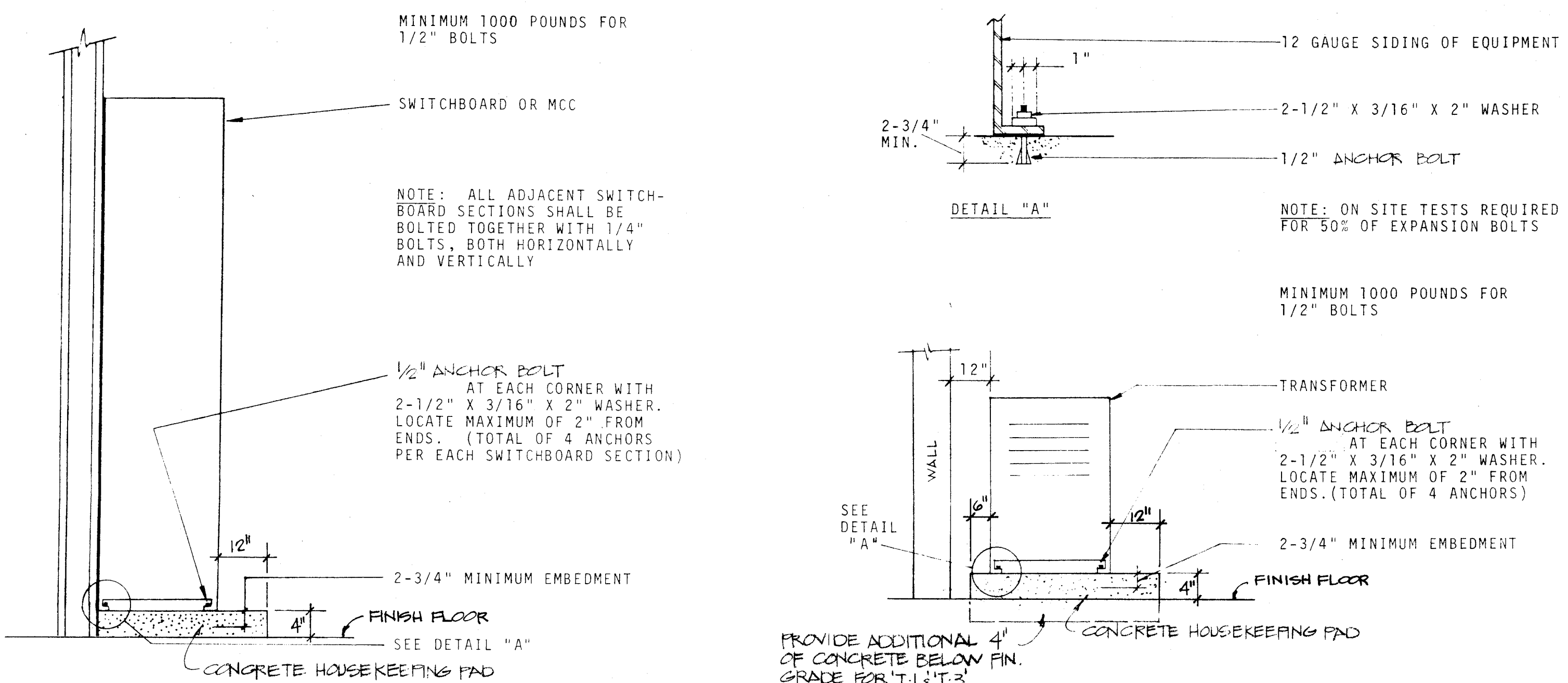
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CONSULTING MECHANICAL ENGINEERS, INCORPORATED
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Bakersfield, CA 93311
TEL: 833-0101 FAX: 833-0102

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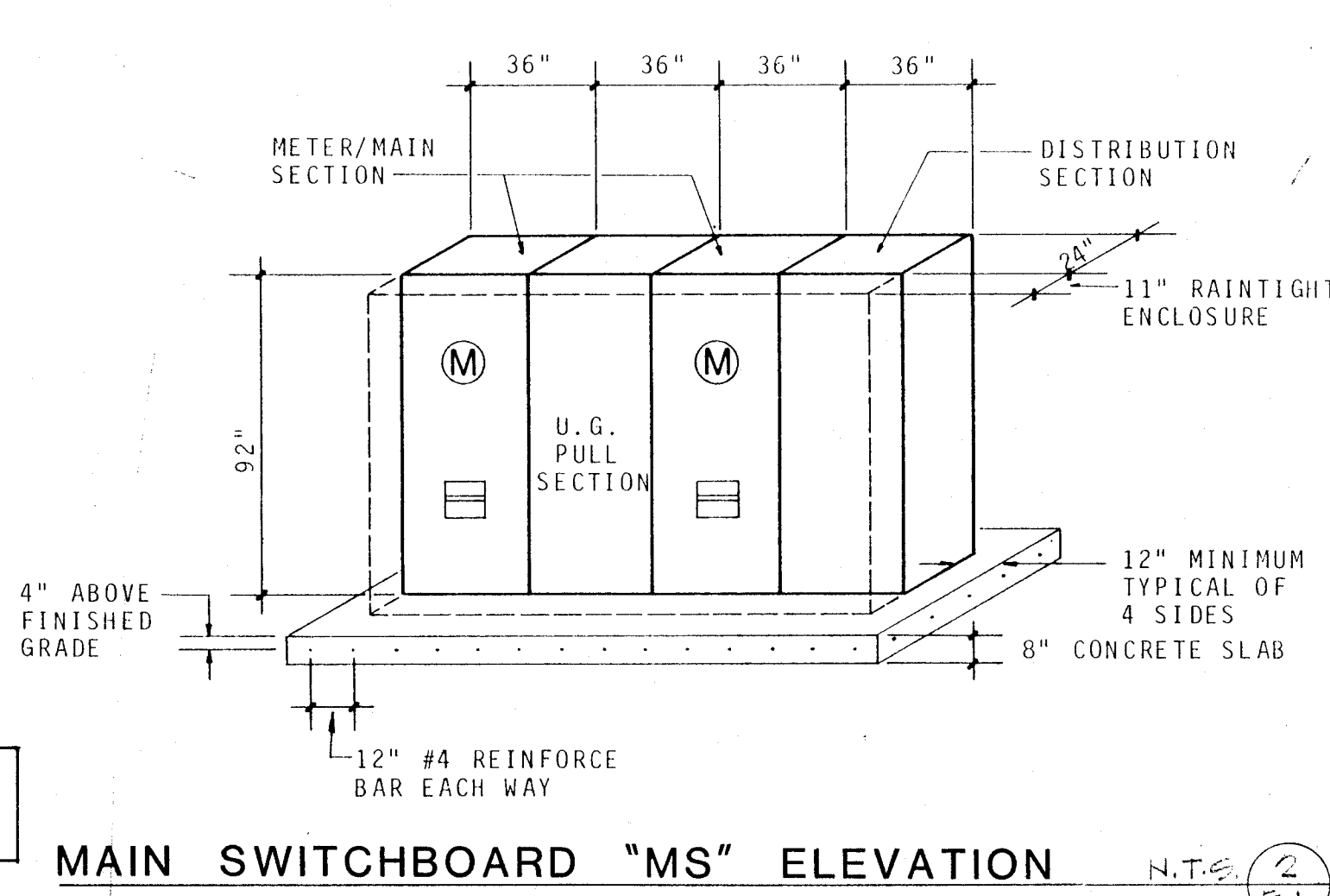
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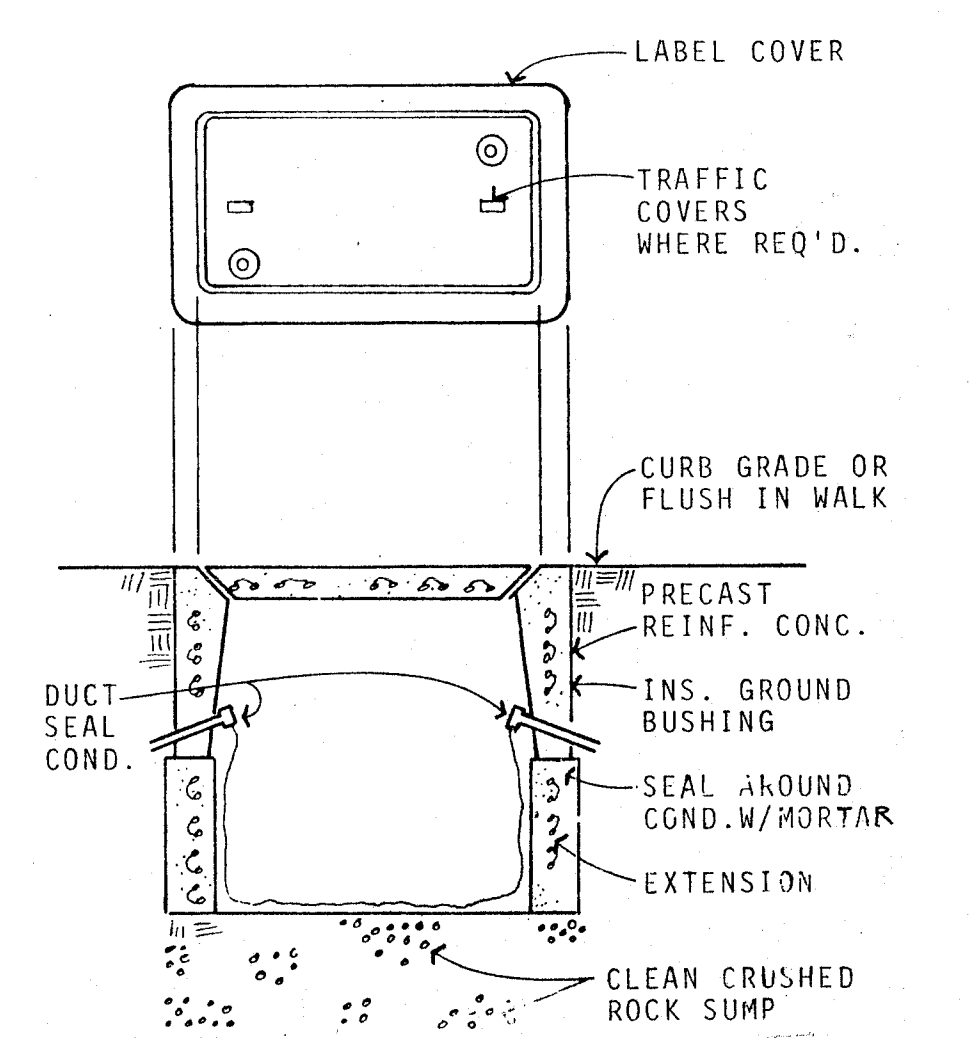
- FIRE DETECTION SYSTEM NOTES:**
- ALL WIRING IS SHOWN DIAGRAMMATICALLY. CONTRACTOR MAY VARY SEQUENCE OR CIRCUITRY, HOWEVER ALL CIRCUITS SHALL BE CONTINUOUS AND SUPERVISED FROM DEVICE TO DEVICE OR FAT TO DEVICE OR FCP TO FAT OR FAT TO FAT. NO PARALLEL BRANCHING SHALL BE ALLOWED. ANY CONNECTION OF ANY BREAK IN ANY CONDUCTOR SHALL BE BY TERMINAL CONNECTION AT A DEVICE OR AT A FAT ONLY.
 - ALL CONNECTIONS SHALL BE PROPERLY LABELED BY CONDUCTOR AND SHALL HAVE STAKEON LUG CONNECTORS.
 - FA TERMINAL CABINETS SHALL HAVE SUFFICIENT SPACE, TERMINAL BOARDS AND SCREW TERMINAL CONNECTORS TO ALLOW CONNECTION OF ALL CONDUCTORS SHOWN. CONTRACTOR SHALL BE REQUIRED TO SUBMIT WITH HIS OTHER SHOP DRAWINGS, DETAILED DRAWINGS OF HIS PROPOSED CONNECTIONS AT EACH FA TERMINAL CABINET PRIOR TO COMMENCING ANY WORK.
 - ALL CONDUCTORS SHOWN SHALL BE #16 AWG, SOLID COPPER UNLESS OTHERWISE NOTED.
 - WRITTEN CERTIFICATION BY THE FIRE ALARM EQUIPMENT DISTRIBUTOR (OR VENDOR OR MANUFACTURER) SHALL BE SUBMITTED TO THE ARCHITECT (WITH COPIES TO THE ELECTRICAL ENGINEER AND THE STATE FIRE MARSHAL) AND THAT THE INSTALLATION INCLUDES TESTING AND OPERATION CONFORMS IN ALL RESPECTS TO THE REQUIREMENTS AS SET FORTH IN TITLE 19 OF THE CALIFORNIA ADMINISTRATIVE CODE AND PART 3, ARTICLE 3-760 OF TITLE 24 OF THE C.A.C. AND SECTION 2-609 OF PART 2 OF T-24 C.A.C.
 - INSTALLATION OF FIRE ALARM SYSTEMS SHALL NOT BE STARTED UNTIL THE CONTRACTOR HAS SUBMITTED SHOP DRAWINGS AND RECEIVED STATE FIRE MARSHAL APPROVAL.

SYMBOL SCHEDULE		
SYMBOL	NAME	DESCRIPTION
□	FLUORESCENT FIXTURE	SEE PLAN & FIXTURE SCHEDULE
⊠	RECESSED FIXTURE	SEE PLAN & FIXTURE SCHEDULE
⊞	WALL BRACKET FIXTURE	SEE PLAN & FIXTURE SCHEDULE
⊞	EXIT LIGHT FIXTURE	SEE PLAN & FIXTURE SCHEDULE
⊞	PORCELAIN RECEPTACLE	SEE PLAN & FIXTURE SCHEDULE
⊞	LOCAL SWITCH MTD. @ 48" MAX.	20 A - AC QUIET 277V
⊞	3-WAY SWITCH MTD. @ 48" MAX.	20 A - AC QUIET 277V
⊞	SWITCH WITH PILOT LITE	NEON IN HANDLE MTD. @ 48" MAX.
⊞	FIXTURE TO LOCAL SWITCH &	SWITCH MTD. @ 48" MAX.
⊞	FIXTURE TYPE AND WATTAGE	SEE FIXTURE SCHEDULE
⊞	DENOTES MECHANICAL EQUIP.	REFER TO MECHANICAL DRAWINGS
⊞	DUPLEX CONVENIENCE OUTLET	20 A NEMA GROUNDED MTD. @ 12" MIN.
⊞	FOURPLEX CONV. OUTLET	20 A NEMA GROUNDED MTD. @ 12" MIN.
⊞	J-BOX AS REQUIRED	45 BOX & FLUSH PLATE MIN.
⊞	TELEPHONE OUTLET	AS REQUIRED, MINIMUM 1" CONDUIT
⊞	DENOTES EXISTING ITEM	
⊞	DENOTES NEW ITEM	
(N)	SIGNAL RACEWAY	
(N)	WIRING IN CEILING	UNLESS OTHERWISE NOTED
(N)	WIRING IN FLOOR OR WALL	UNLESS OTHERWISE NOTED
⊞	L.T.G. CONTROL & OUTPUT MODULES	HONEYWELL #EL720 AND #EL7000
⊞	SWITCHPACK	LIGHT-O-MATIC #13-011
⊞	MOTION DETECTOR	LIGHT-O-MATIC #01083
⊞	LIGHT SENSOR	HONEYWELL #EL7020
⊞	SURFACE MTD. METAL RACEWAY	SEE PLANS & REF. NOTES
(E)	WIRING	
(E)	LIGHTING OUTLET	
(E)	LIGHT SWITCH	
(E)	DUPLEX OUTLET	
(E)	THERMOSTAT	REFER TO MECHANICAL DRAWINGS
⊞	DISCONNECT SWITCH	
⊞	ELECTRICAL PANEL	REFER TO PANEL SCHEDULE
⊞	TERMINAL CABINET	
⊞	GROUND FAULT INTERRUPTING	
⊞	WEATHERPROOF	
⊞	FIRE ALARM FLASHING LITE MOUNTED @ +84"	PYROTRONICS #V33D WITH #GN003 CSFM #7300-067:39
⊞	MANUAL PULL STATION MOUNTED @ +84"	PYROTRONICS #HOC-24/AU32D CSFM #7135-067:20/7300-067:39
⊞	IONIZATION SMOKE DETECTOR	PYROTRONICS #D13/DB35 CSFM #7256-067:101
⊞	HEAT DETECTOR, FIXED TEMP. IN ATTIC	PYROTRONICS #DT200F CSFM #7270-067:10
⊞	MANUAL PULL STATION MOUNTED @ +48"	PYROTRONICS #MS-51 CSFM #7150-067:36
⊞	ZONE NUMBER - DEVICE NUMBER	
⊞	END OF LINE DEVICE	
⊞	HEAT DETECTOR, RATE OF RISE	PYROTRONICS #DT135R CSFM #7270-067:10
⊞	FIRE ALARM CONTROL PANEL	PYROTRONICS SYSTEM 3 CSFM #7165-067:35 PROVIDE SEPARATE 20A CIRCUIT
⊞	ILLUMINATED EXIT SIGN	EXTERIOR BUILDING SIGN SHALL BE RIGID STEEL
⊞	EXIT ILLUMINATION	



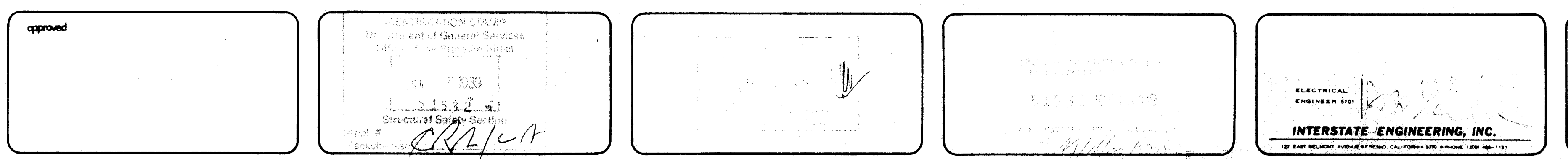
PULL BOX SCHEDULE

PB #	SIZE	SEE	DETAIL
PB #1	30-1/4 X 48-1/4"	SEE	DETAIL 3/E1
PB #2A	30-1/4 X 48-1/4"	SEE	DETAIL 3/E1
PB #2B	30-1/4 X 48-1/4"	SEE	DETAIL 3/E1
PB #3A	30-1/4 X 48-1/4"	SEE	DETAIL 3/E1
PB #3B	30-1/4 X 48-1/4"	SEE	DETAIL 3/E1
PB #3C	25 X 36-3/8"	SEE	DETAIL 3/E1
PB #4	30-1/4 X 48-1/4"	SEE	DETAIL 3/E1
PB #5	48 X 48"	SEE	DETAIL 3/E1
PB #6	STATE #5	SEE	DETAIL 3/E1
PB #7	STATE #5	SEE	DETAIL 3/E1



CATALPA WAY

ELECTRICAL SITE PLAN



UTILITY COMPANY: PG&E CO.

UTILITY CO. JOB REF. NO.: 1 805 390 5965

TELEPHONE: 1 805 390 5965

ADDRESS: 116 H STREET BAKERSFIELD, CALIF. 93301

CONTACT: MR. TOM AGUILAR

bfgc inc.
architects planners
31 south real road box 9698
bakersfield california 93309
805 832 8122

INTERSTATE ENGINEERING, INC.
ELECTRICAL ENGINEER
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ELEC. SITE PLAN, SYMBOL SCHEDULE, GENERAL NOTES & DETAIL

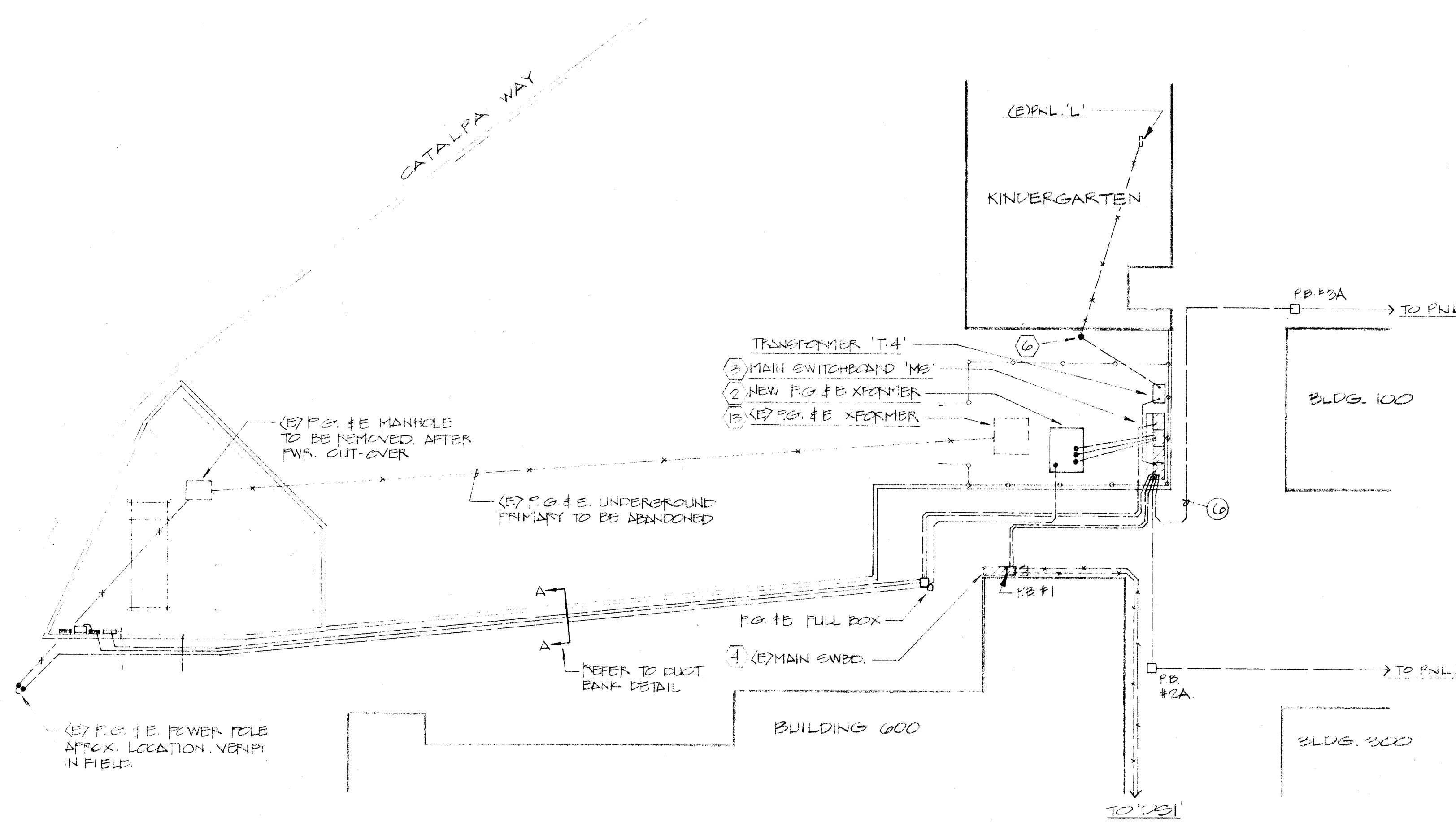
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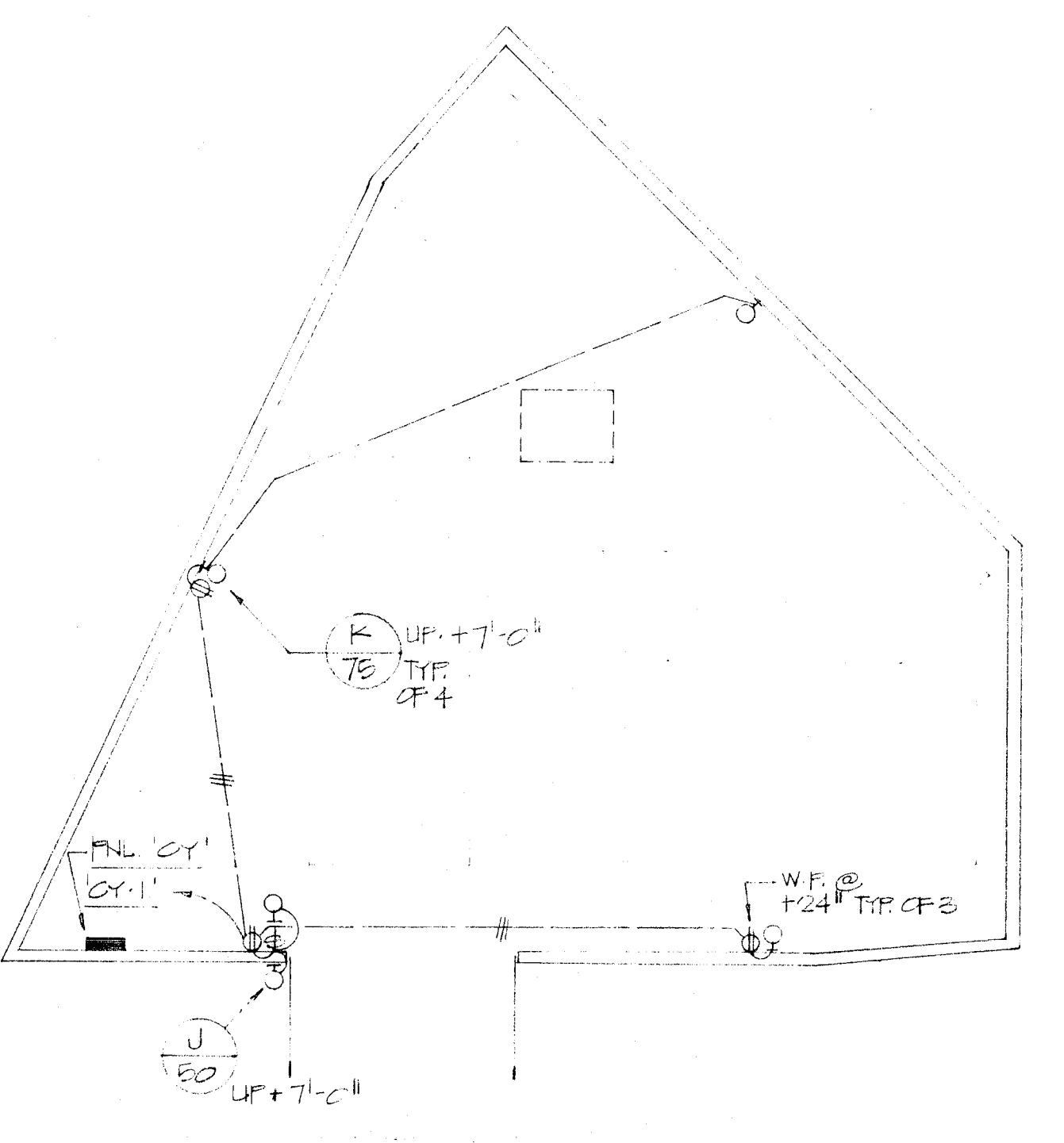
date: FEB 89

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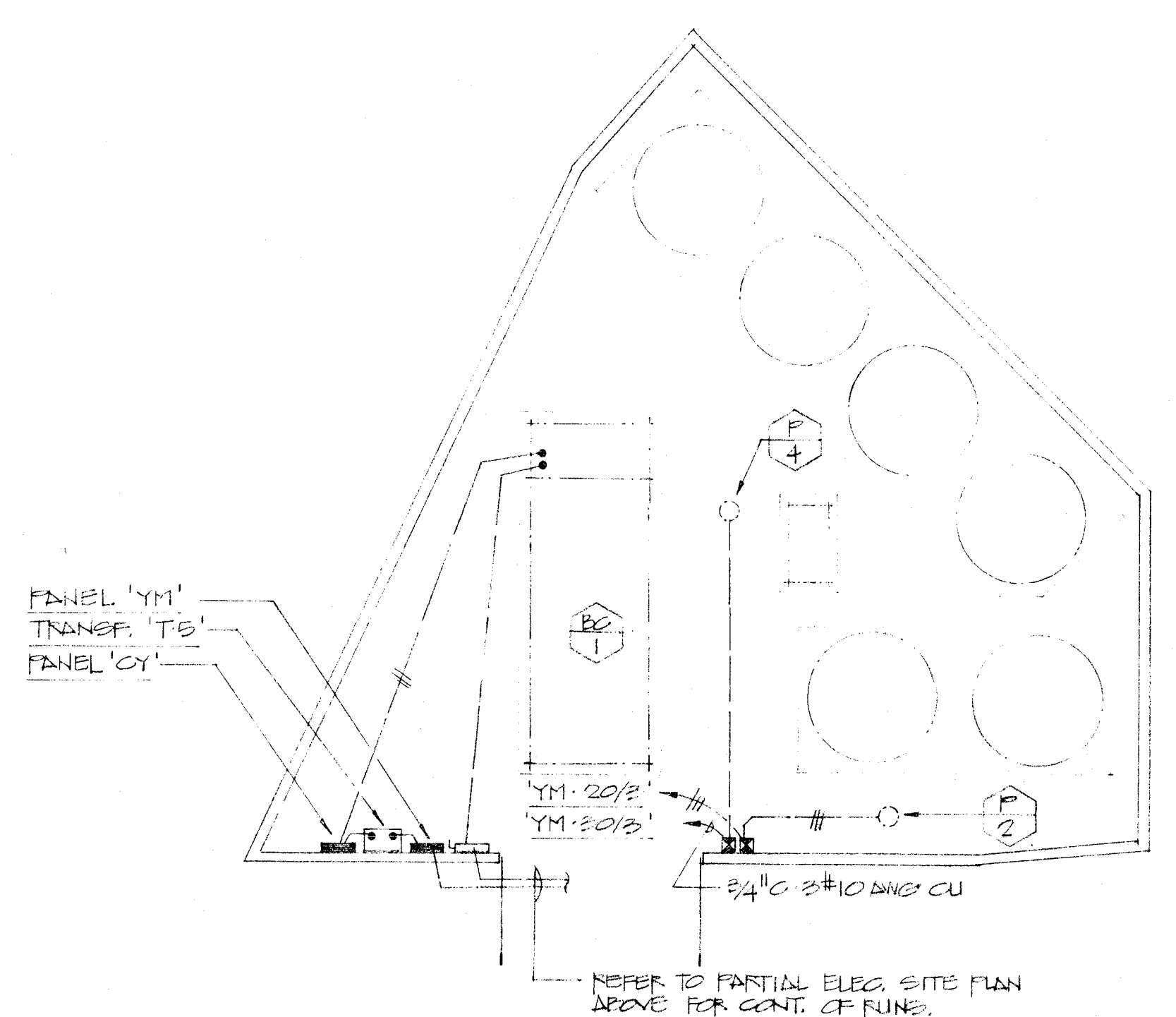
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PARTIAL ELECTRICAL SITE PLAN
1/4" = 1'-0"



LIGHTING AND POWER

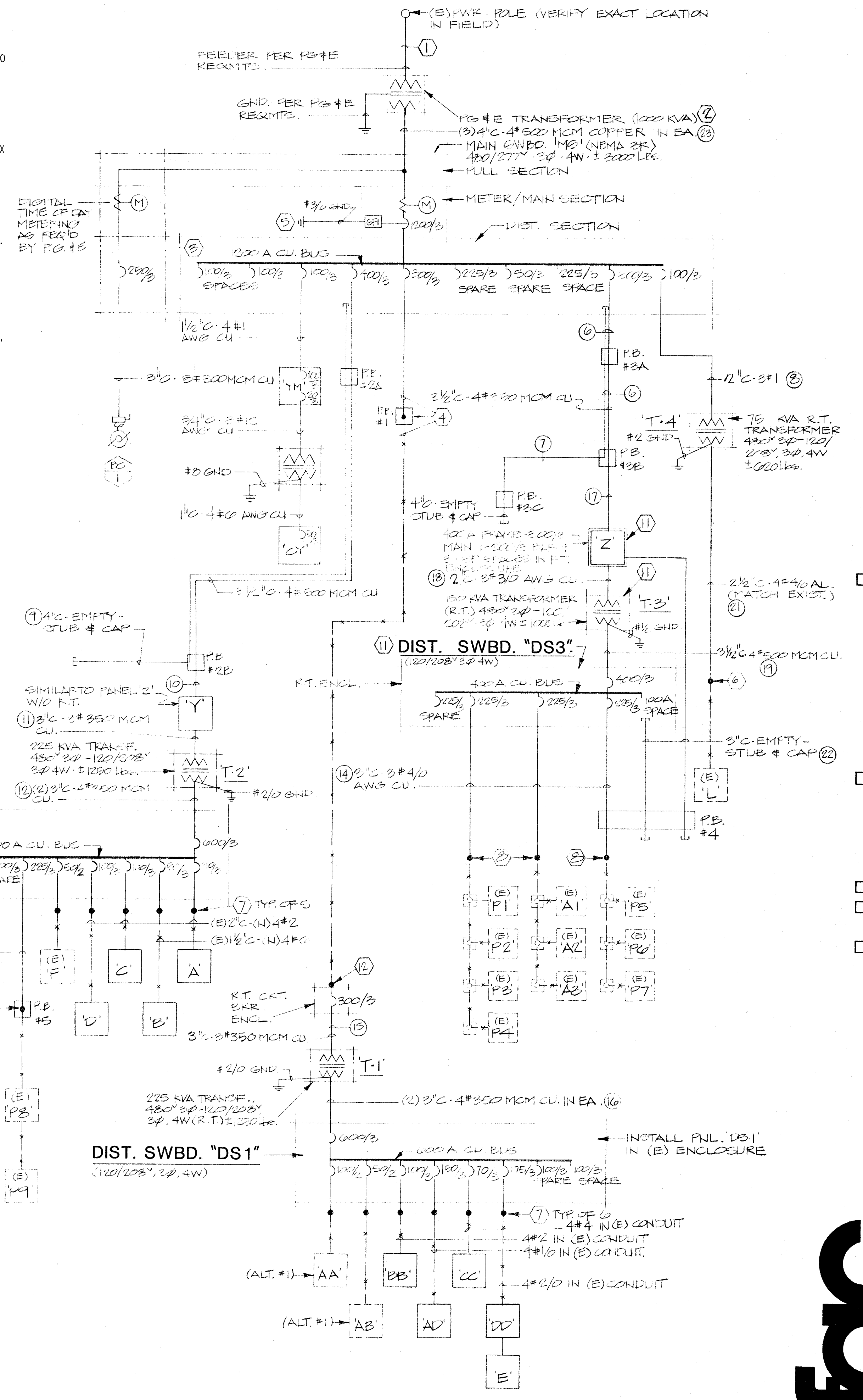


MECHANICAL EQUIPMENT

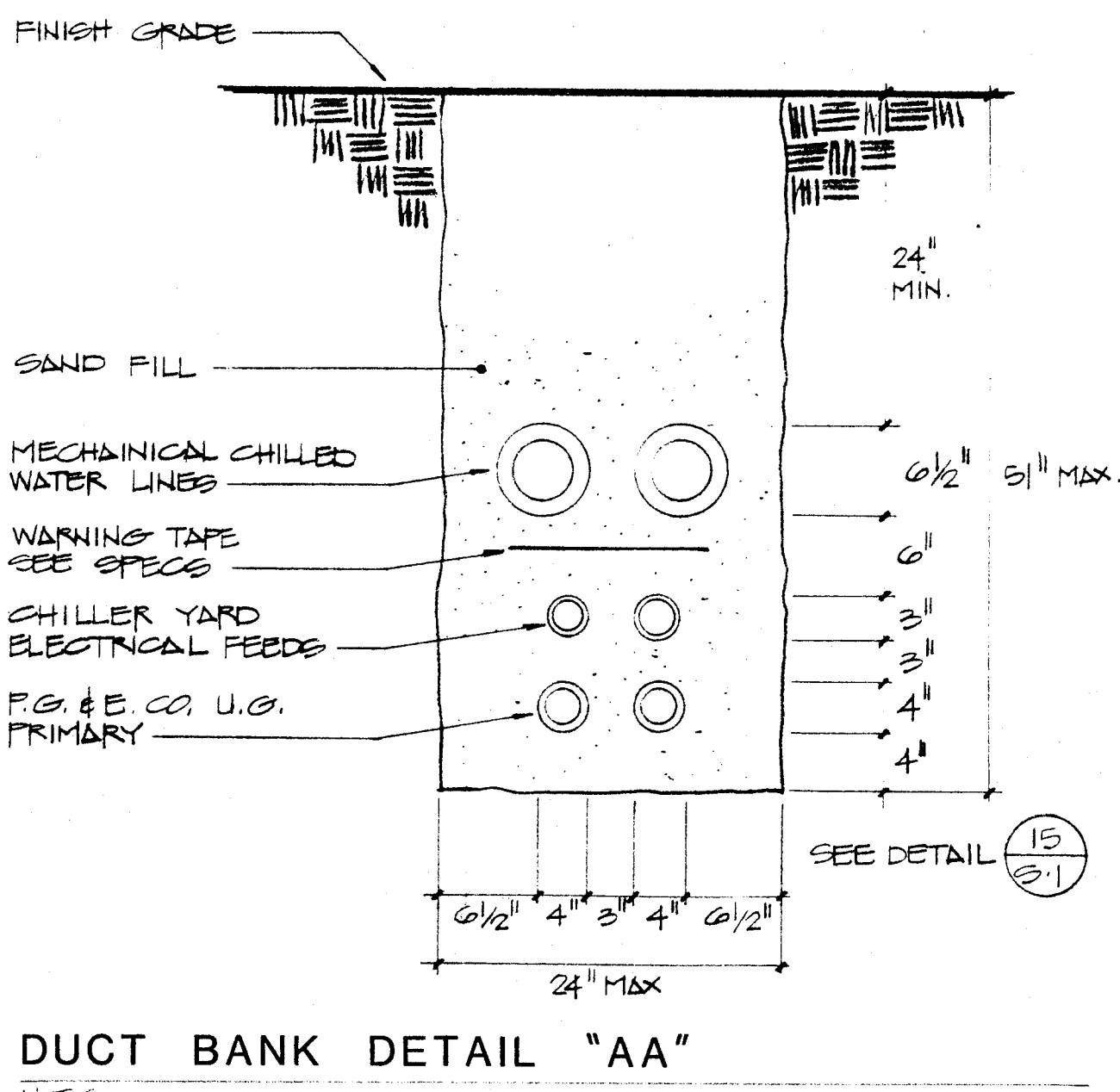
CHILLER YARD PLANS
SCALE: 1/8" = 1'-0"

NOTES THIS SHEET ONLY:

- 1 NEW PG&E SERVICE PER PG&E REQUIREMENTS.
- 2 NEW 1000 KVA PG&E TRANSFORMER MOUNTED INSIDE ELECTRICAL ENCLOSURE. GROUND PER PG&E REQUIREMENTS. MINIMUM CLEARANCES TO BE VERIFIED WITH PG&E.
- 3 NEW MAIN SWITCHBOARD "MS" WITH NEMA 3R ENCLOSURE. SWITCHBOARD TO HAVE UNDERGROUND PULL SECTION. METER AND 1200A/3P MAIN CIRCUIT BREAKER SECTION AND DISTRIBUTION SECTION. SWITCHBOARD TO BE 480/277V, 3Ø, 4 WIRE RATED.
- 4 EXISTING MAIN SWITCHBOARD TO BE REMOVED. INSTALL NEW PULLBOX OVER EXISTING FEEDERS AND EXTEND EXISTING FEEDERS TO BE RE-USED TO "MS".
- 5 COLD WATER PIPE GROUND PLUS UFER GROUND PER N.E.C. ARTICLE 250 REQUIREMENTS.
- 6 INTERCEPT EXISTING FEEDER TO PANEL "L" AND EXTEND TO NEW PANEL "CY". SIZE OF EXISTING FEEDER TO BE VERIFIED IN FIELD. SIZE OF NEW FEEDER SHALL MATCH EXISTING.
- 7 INTERCEPT EXISTING FEEDER AND EXTEND TO NEW PANEL. PULL NEW CONDUCTORS - SIZE AS SHOWN. VERIFY SIZE OF EXISTING FEEDER IN FIELD.
- 8 INSTALL NEW FEEDER AND CONNECT TO EXISTING.
- 9 EXISTING DISTRIBUTION BOARD TO BE REMOVED. INSTALL NEW "DS2" OVER EXISTING FEEDERS AND CONNECT AS SHOWN.
- 10 INTERCEPT EXISTING FEEDER, INSTALL NEW PULLBOX AND EXTEND FEEDER TO NEW PANEL. PULL NEW CONDUCTORS - SIZE AS SHOWN. VERIFY SIZE OF EXISTING FEEDER IN FIELD.
- 11 NEW PANELS "Z" AND "DS3" AND TRANSFORMER SHALL BE MOUNTED NEAR EXISTING PORTABLE BUT NOT PERMANENTLY ATTACHED TO IT. ALL EQUIPMENT INTENDED FOR FLOOR MOUNTING SHALL BE MOUNTED ON 4" CONCRETE PAD. ALL EQUIPMENT TO BE RAIN-TIGHT.
- 12 INTERCEPT EXISTING FEEDER AND EXTEND AS NEEDED TO NEW WALL MOUNTED RAIN-TIGHT CIRCUIT BREAKER ENCLOSURE.
- 13 EXISTING PG&E TRANSFORMER TO BE REMOVED AFTER POWER CUT-OVER.



ONE LINE DIAGRAM
N.T.S.



DUCT BANK DETAIL "AA"
N.T.S.

approved _____

Signature of Engineer/Designer
Date: 1/23/92
Signature: *C. RYLA*

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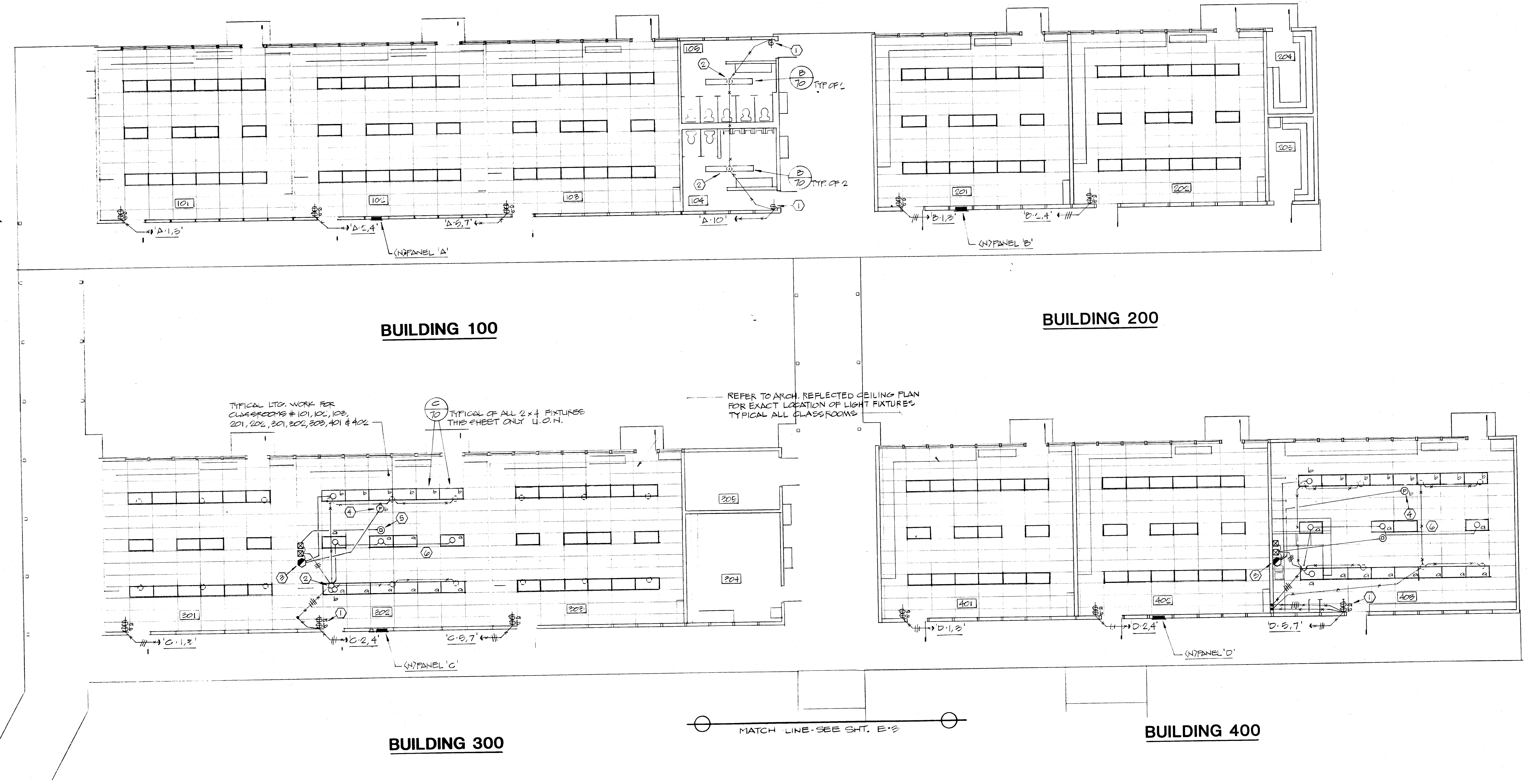
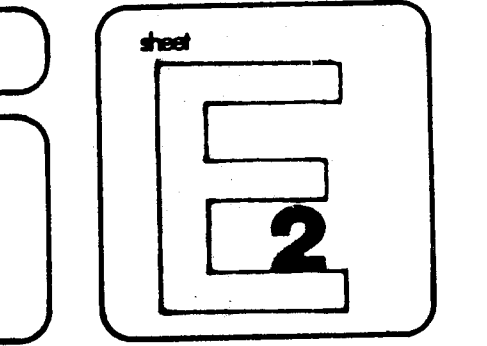
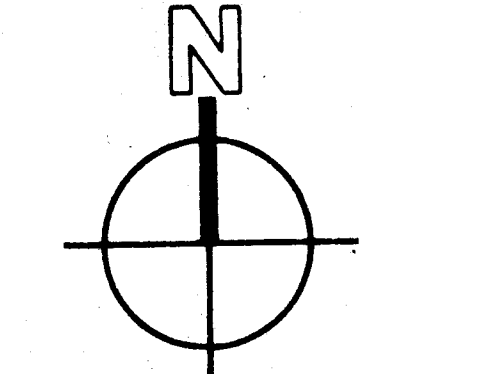
PARTIAL ELEC. SITE PLAN, CHILLER YARD PLAN & ONE LINE DIAGRAM
HORACE MANN MODERNIZATION
BAKERSFIELD CITY SCHOOL DISTRICT
2710 NILES AVENUE
BAKERSFIELD, CALIFORNIA 93307

job: 27-127
date: 1 FEB 92

Sheet: **E-1A**

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FLOOR PLANS - LIGHTING

1/8"=1'-0"

FIXTURE SCHEDULE					
TYPE	DESCRIPTION	LAMPS	MTG.	VOLT.	REMARKS
A	NOT USED	NOT USED	NOT USED		
B	NULITE #WAI-240-WH-LE3	LITHONIA #YG-240-120-BS	GLOBE #WVY-2102-AR-BSD	CF40W	SURFACE 120V SEE MTR. DETAIL (1) (E3)
C	COLUMBIA #SPB-22-82-125-242-B5B	LITHONIA #M2-240-112-105-120-PAB-B	GLOBE #QTYE-0202-4R-BSD	CF40W	RECESS SEE MTR. DETAIL (2) (E3)
D	COLUMBIA #SPB-22-82-125-244-B5B	LITHONIA #M2-240-112-105-120-PAB-B	GLOBE #QTYE-0202-4R-B5B	4F40W	RECESS SEE MTR. DETAIL (2) (E3)
F	FRESCOLITE #2200	APPROVED EQUAL	APPROVED EQUAL	80W H.P.S.	SURFACE MTD. OVER (E) RECESSED CAN
G	COLUMBIA #G112-82-125-142-B5B	LITHONIA #M2-240-112-105-120-BS	GLOBE #ETE-2112-4R-BSD	2F40W	SURFACE
H	FRESCOLITE #1015-187-MW	MARCO #E401-202	MC. HILBEN #4-211B	150W	RECESS
J	G.E. #WV75-055-INB-LN-F	LITHONIA #T1WL-205N-LP-120-SF-D1B-PER	HUBBEL #NR3-201-PE-FURSD	H.P.S. 80W	WALL
K	STAR #20-2TP	FAIR FAPE #15-P10-2	KENNEL #3000	75W 2-19	WALL
X	CHLORIDE #BK-P-N-1-R-UN	LITHONIA #P2E-SIK-ELN	EMERALITE #DEEX-76-R-10-FL	INCLUDED	UNIVERSAL
L	NULITE #LX-220-HFS-81-BST	APPROVED EQUAL	APPROVED EQUAL	CF40	WALL OR CLO. WITH BATTERY PACK FOR EM. OPERATION.

PANEL 'A' (BLDG. 100)				TYPE N400 (E)			
CIRCUIT	WATTAGE	USE	LOAD-TYPE	CIRCUIT	WATTAGE	USE	LOAD-TYPE
NO.	Ø A	Ø B	Ø C	NO.	Ø A	Ø B	Ø C
1	400			1	400		
2	400			2	400		
3	400			3	400		
4	400			4	400		
5	400			5	400		
6	400			6	400		
7	400			7	400		
8	400			8	400		
9	400			9	400		
10	400			10	400		
11	400			11	400		
12	400			12	400		
13	400			13	400		
14	400			14	400		
15	400			15	400		
16	400			16	400		
17	400			17	400		
18	400			18	400		
19	400			19	400		
20	400			20	400		
21	400			21	400		
22	400			22	400		
23	400			23	400		
24	400			24	400		
25	400			25	400		
26	400			26	400		
27	400			27	400		
28	400			28	400		
29	400			29	400		
30	400			30	400		
31	400			31	400		
32	400			32	400		
33	400			33	400		
34	400			34	400		
35	400			35	400		
36	400			36	400		
37	400			37	400		
38	400			38	400		
39	400			39	400		
40	400			40	400		
41	400			41	400		
42	400			42	400		
SUB-TOTAL				SUB-TOTAL			
2400 1900 2200				2400 1900 2200			
VOLTS 120/208/240 MAIN 20/0				LOAD SUMMARY			
FEEDER (E) 20/0/240 MTG FLUSH #				LIGHTING			
BUS 100 A				RECEPTACLE			
				HEATING			
				MOTOR			
				TOTAL			
				AMPS			
				40			
SYSTEM SHORT CIRCUIT RATING (SYM)				TOTAL			

- REFERENCE NOTES (THIS SHEET ONLY):
- REPLACE EXISTING WALL SWITCHES AND PLATE.
 - CONNECT NEW FIXTURES TO EXISTING CIRCUITS.
 - AUTOMATIC TUNING CONTROL MOUNTED ABOVE CEILING IN ACCESSIBLE AREA. SEE WIRING DIAGRAM ON SHEET E-4.
 - PHOTO ELECTRIC CELL MOUNTED ON CEILING MINIMUM 10'-0" AWAY FROM NEAREST WINDOW. SEE WIRING DIAGRAM ON SHEET E-4.
 - MOTION SENSOR MOUNTED ON CEILING APPROXIMATELY IN CENTER OF ROOM. SEE WIRING DIAGRAM ON SHEET E-4.
 - REMOVE ALL EXISTING LIGHT FIXTURES IN CLASSROOM - SEE NOTE (2).
- FIXTURE NOTES:
- ALL 40W FLUORESCENT BALLASTS TO BE ADVANCE MARK III.
 - ALL 40W FLUORESCENT LAMPS TO BE GE FA0LW/RS/WMI1.
 - ALL LENSES TO BE MINIMUM .125" PATTERN 12A ACRYLIC.
 - ALL HID BALLASTS TO BE FUSED BY FIXTURE MANUFACTURER. WITH 600V FUSE HOLDERS. FUSE SIZE TO BE PER BALLAST MANUFACTURER RECOMMENDATIONS.

approved

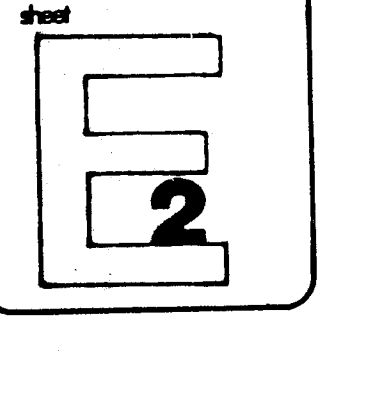
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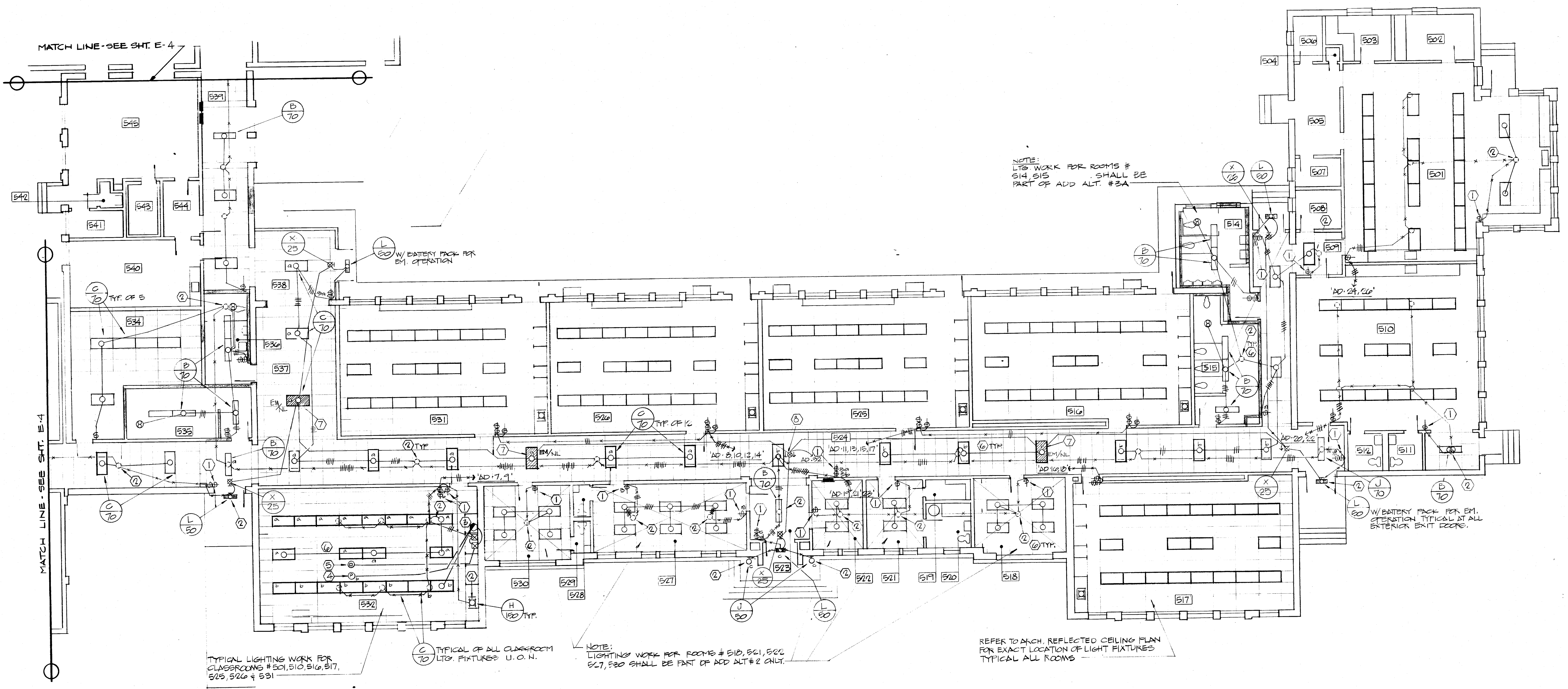
FLOOR PLANS - LIGHTING BLDGS. 100, 100, 300 & 400 AND FIX. SCHEDULE
HORACE MANN MODERNIZATION
BAKERSFIELD CIVIL SCHOOL DISTRICT
2710 NILES AVENUE
BAKERSFIELD, CALIFORNIA 93307

job 87-147
date 1 FEB 87



MATCH LINE - SEE SHT. E-2

MATCH LINE - SEE SHT. E-4



NOTE:
LTS WORK FOR ROOMS #
514, 515
SHALL BE
PART OF ADD ALT. #3A

TYPICAL LIGHTING WORK FOR
CLASSROOMS # 501, 510, 516, 517,
519, 520 & 531

C TYPICAL OF ALL CLASSROOM
LTS. FIXTURES U. O. N.

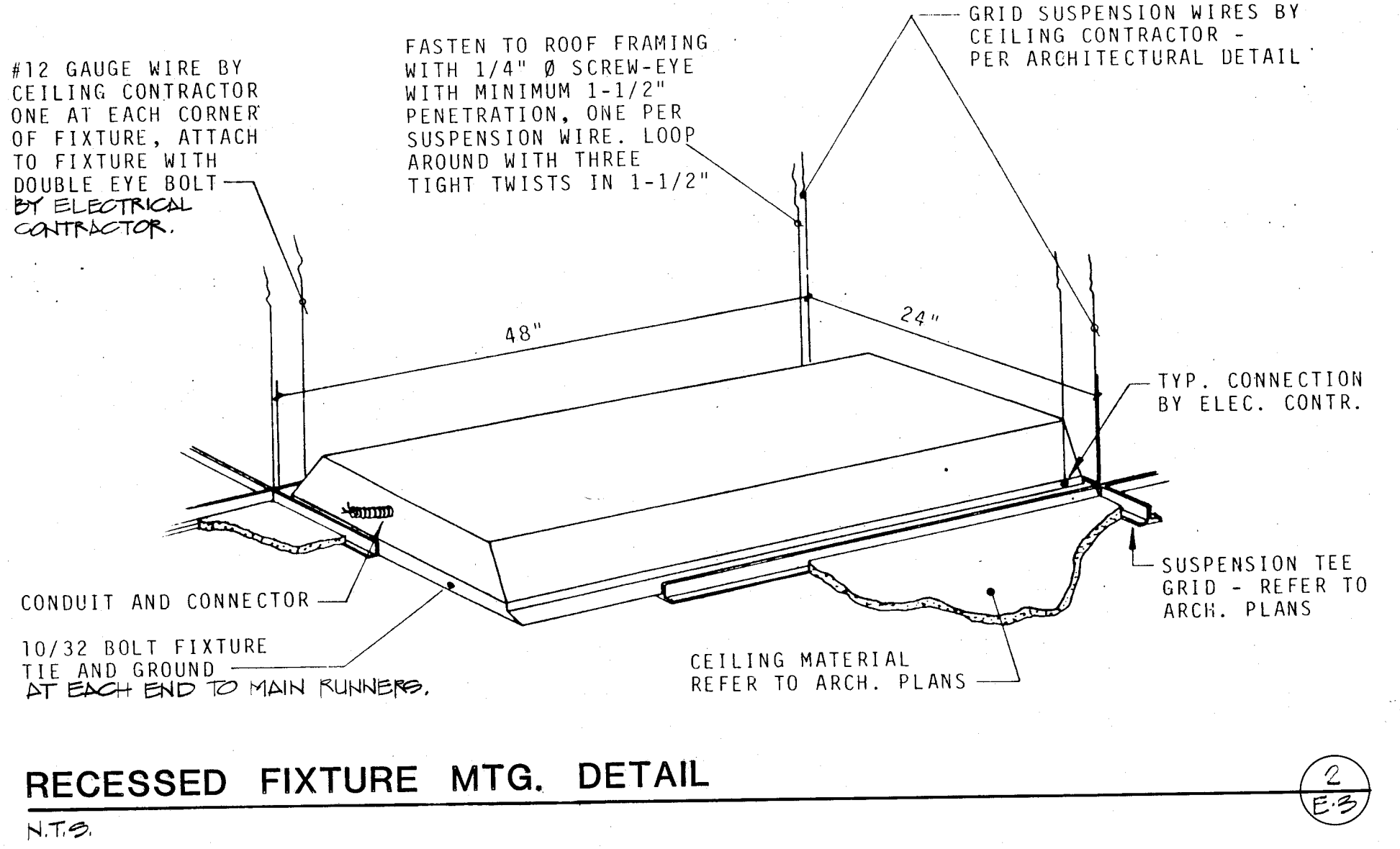
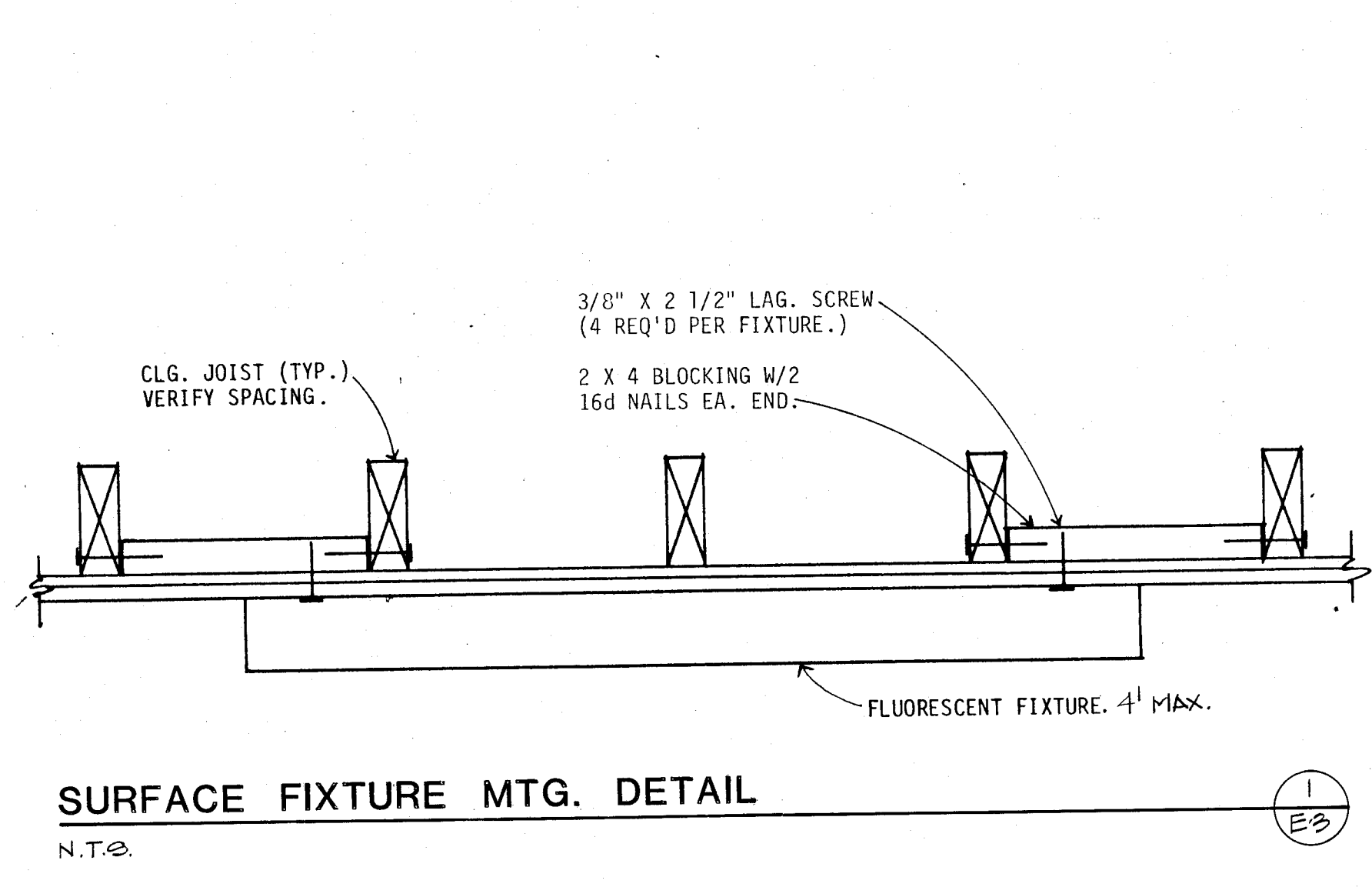
NOTE:
LIGHTING WORK FOR ROOMS # 510, 511, 512,
517, 519 SHALL BE PART OF ADD ALT #2 ONLY.

REFER TO ARCH. REFLECTED CEILING PLAN
FOR EXACT LOCATION OF LIGHT FIXTURES
TYPICAL ALL ROOMS

W/BATTERY BACK FOR EM.
OPERATION TYPICAL AT ALL
EXTERIOR EXIT DOORS.

BUILDING 500 FLOOR PLAN - LIGHTING

1/8" = 1'-0"



- REFERENCE NOTES (THIS SHEET ONLY):
- 1 REPLACE EXISTING WALL SWITCHES AND PLATE.
 - 2 CONNECT NEW FIXTURES TO EXISTING CIRCUITS.
 - 3 AUTOMATIC TUNING CONTROL MOUNTED ABOVE CEILING IN ACCESSIBLE AREA. SEE WIRING DIAGRAM ON SHEET E-4.
 - 4 PHOTO ELECTRIC CELL MOUNTED ON CEILING MINIMUM 10'-0" AWAY FROM NEAREST WINDOW. SEE WIRING DIAGRAM ON SHEET E-4.
 - 5 MOTION SENSOR MOUNTED ON CEILING APPROXIMATELY IN CENTER OF ROOM. SEE WIRING DIAGRAM ON SHEET E-4.
 - 6 REMOVE ALL EXISTING LIGHT FIXTURES IN CLASSROOMS AND OFFICES. COORDINATE WITH NOTES (2).
 - 7 LIGHT FIXTURE SIMILAR TO TYPE 'C' BUT EQUIPPED WITH BATTERY BACK FOR EMERGENCY OPERATION.
 - 8 EXIST LIGHT FIXTURE SIMILAR TO TYPE 'X' BUT DOUBLE BACK WITH ARROWS AS SHOWN.

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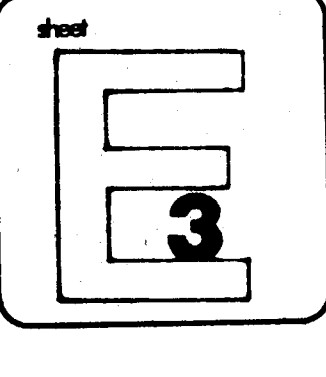
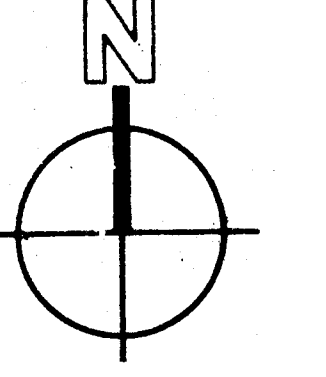
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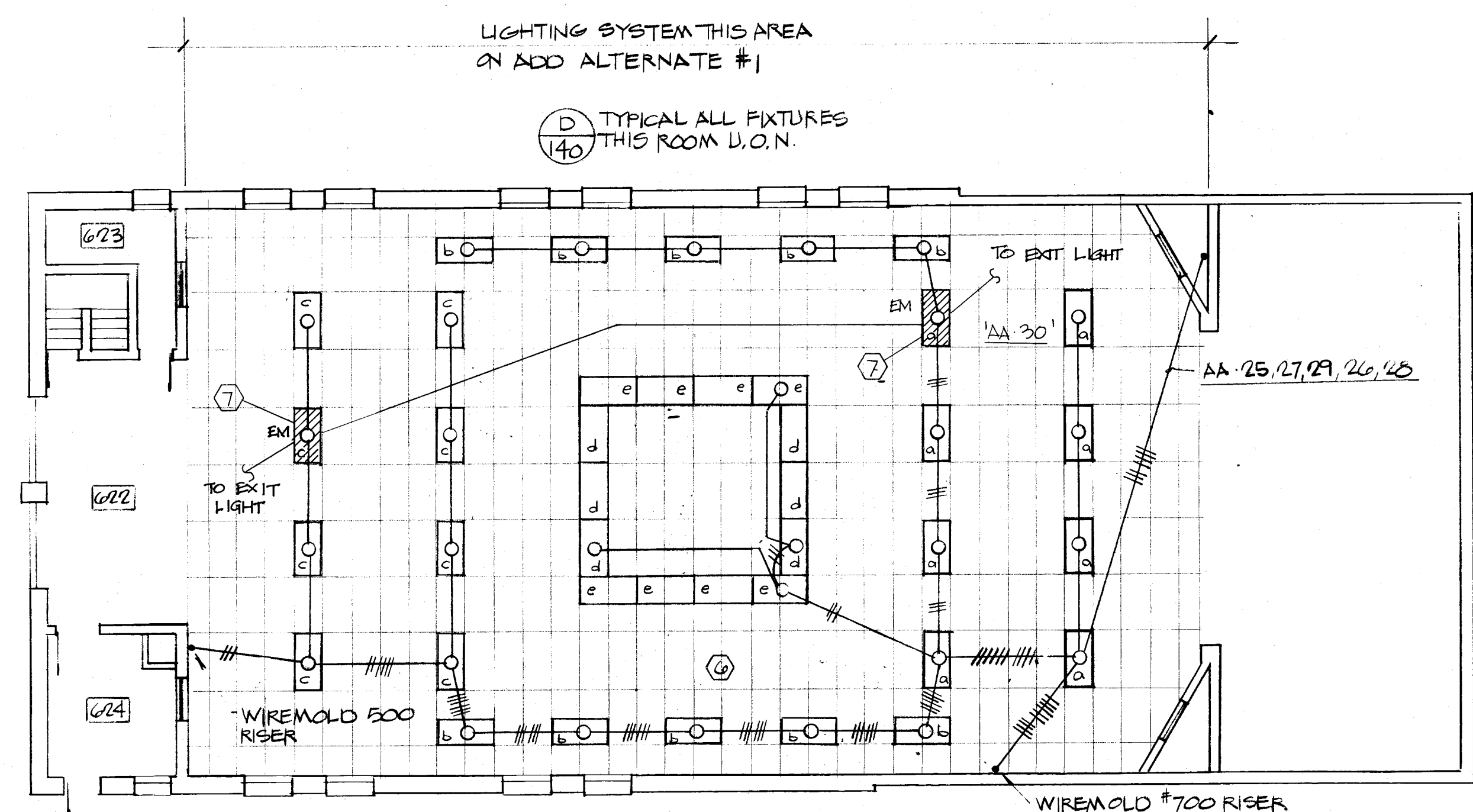
LIGHTING FLOOR PLAN - BUILDING 500 & DETAILS
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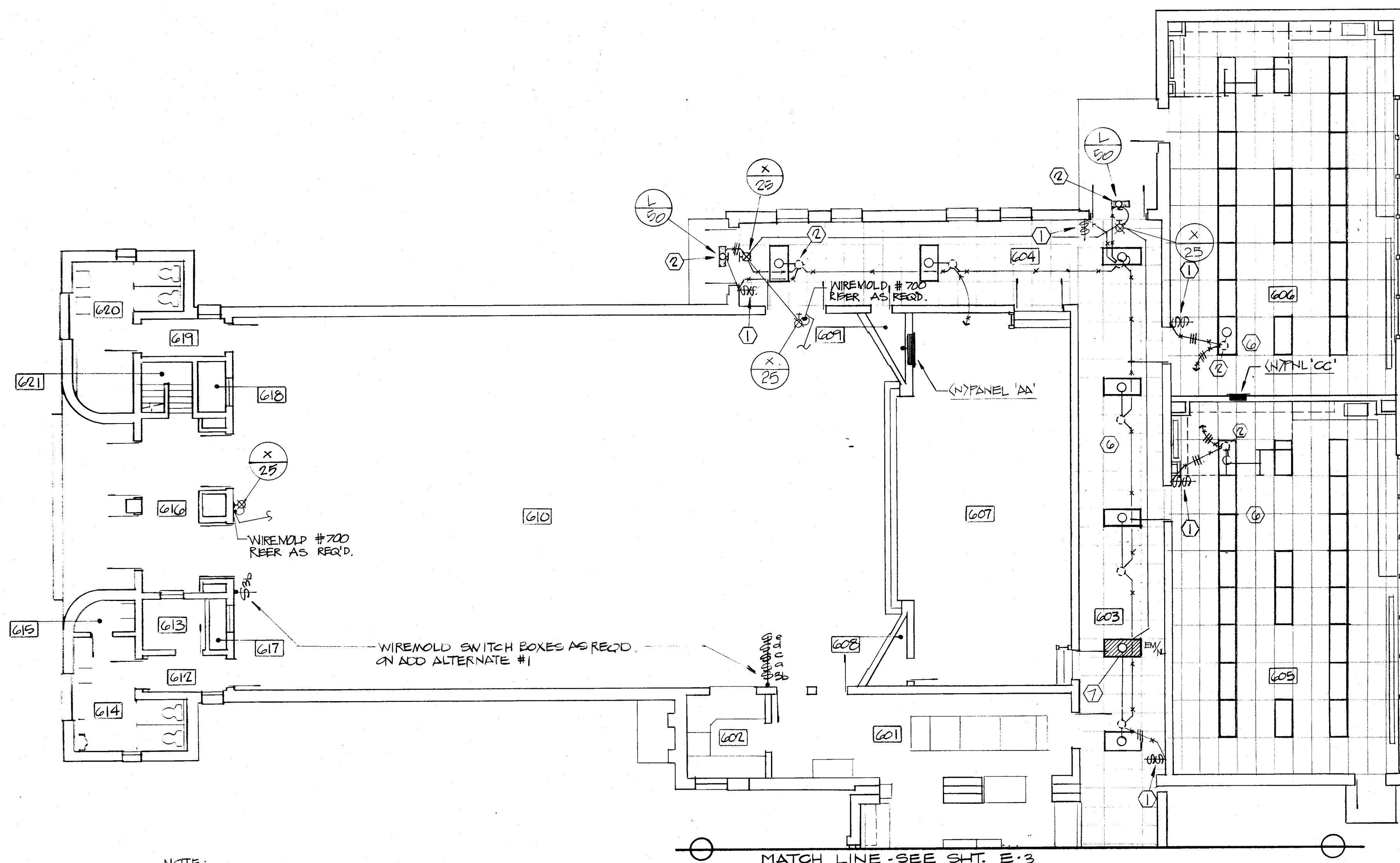
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**BUILDING 600
SECOND FLOOR**

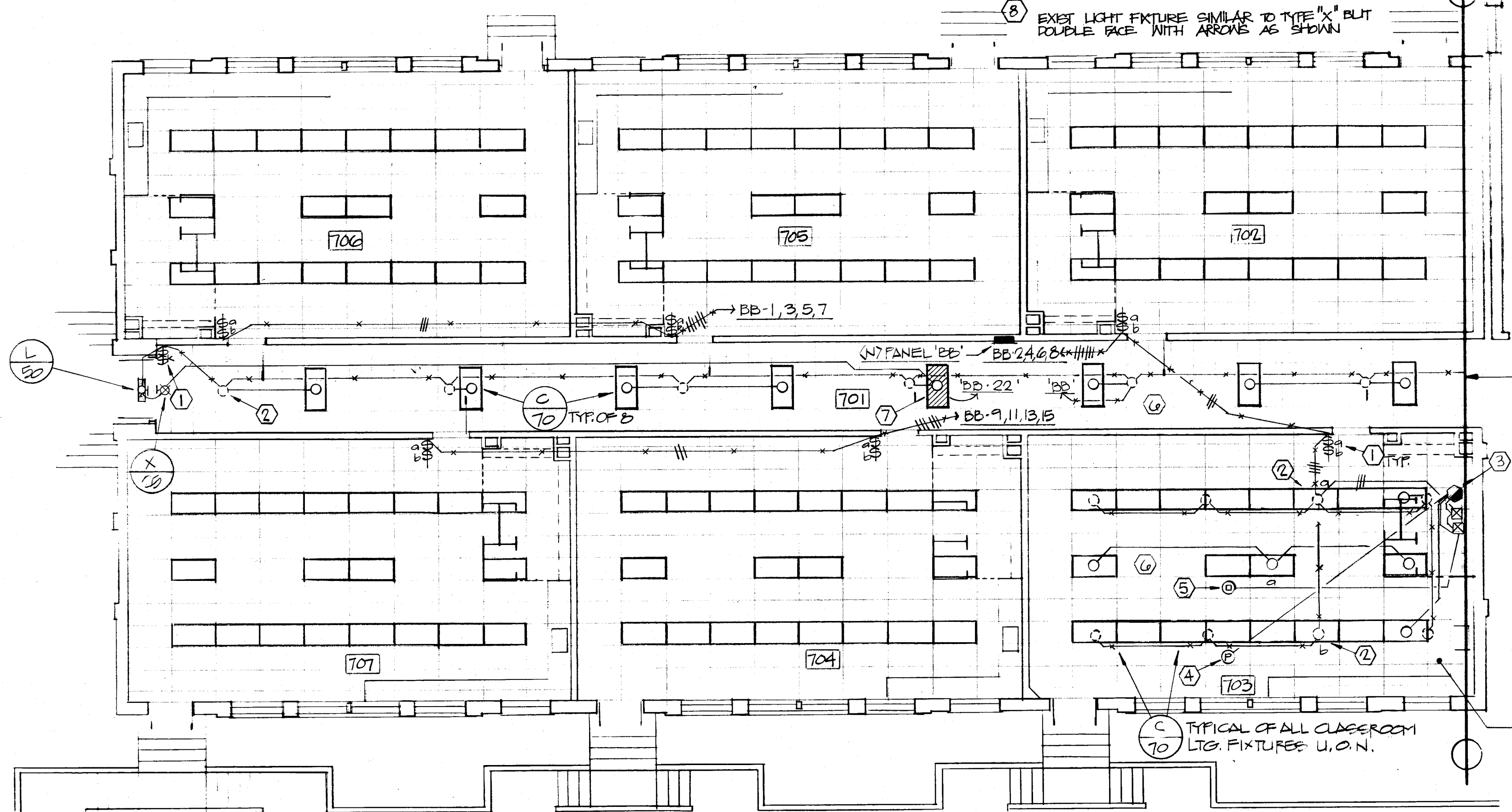
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- 1 REPLACE EXISTING WALL SWITCHES AND PLATE.
- 2 CONNECT NEW FIXTURES TO EXISTING CIRCUITS.
- 3 AUTOMATIC TUNING CONTROL MOUNTED ABOVE CEILING IN ACCESSIBLE AREA - SEE WIRING DIAGRAM ON SHEET E-4.
- 4 PHOTOELECTRIC CELL MOUNTED ON CEILING MINIMUM 10'-0" AWAY FROM NEAREST WINDOW - SEE WIRING DIAGRAM ON SHEET E-4.
- 5 MOTION SENSOR MOUNTED ON CEILING APPROXIMATELY IN CENTER OF ROOM - SEE WIRING DIAGRAM ON SHEET E-4.
- 6 REMOVE ALL EXISTING LIGHT FIXTURES IN CLASSROOMS AND CORRIDORS. COORDINATE WITH NOTE 2.
- 7 LIGHT FIXTURE SIMILAR TO TYPE 'C' BUT EQUIPPED WITH BATTERY PACK FOR EMERGENCY OPERATION.
- 8 EXIST LIGHT FIXTURE SIMILAR TO TYPE 'X' BUT DOUBLE SIZE WITH ARROWS AS SHOWN.



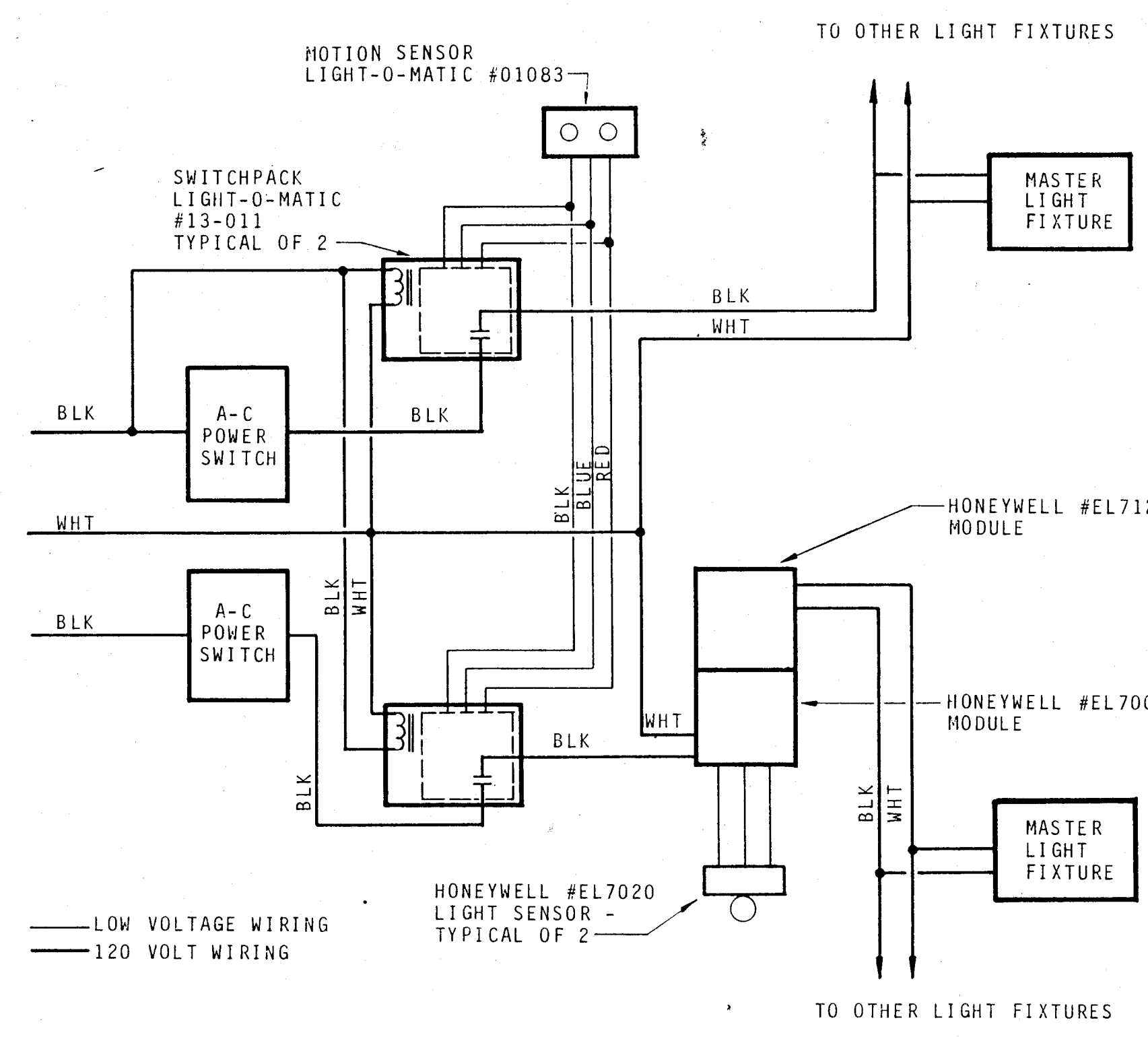
BUILDING 600

NOTE:
REFER TO ARCH. REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHT FIXTURES TYPICAL ALL ROOMS



BUILDING 700

TYPICAL LTR. WORK FOR CLASSROOMS # 702, 704, 705, 706, 707, LIBRARY 605 AND TEACHERS' LOUNGE 606



CLASSROOM LIGHTING CONTROL DIAGRAM
N.T.S.

NOTES - CLASSROOM LIGHTING CONTROL:

1. ALL LAMPS TO BE STANDARD COOL WHITE.
2. ALL BALLASTS TO BE ENERGY SAVINGS.
3. ALL MOTION SENSORS TO BE FIELD ADJUSTED DURING DAY AND NIGHT.
4. DIMMING SYSTEM TO INCLUDE A FIVE YEAR WARRANTY IN WRITING BY MANUFACTURER.
5. LIGHT SENSORS TO BE ADJUSTED DURING THE DAY.
6. PRIOR TO INSTALLATION OF LIGHTING CONTROLS, A FACTORY REPRESENTATIVE IS REQUIRED TO REVIEW AT THE SITE ALL WIRING AND INSTALLATION REQUIREMENTS.
7. A FACTORY REPRESENTATIVE FOR THE DIMMING, SENSING AND LIGHT LEVEL CONTROL SHALL INSPECT SYSTEM OPERATION PRIOR TO FINAL PROJECT ACCEPTANCE AND SHALL, IN WRITING, CERTIFY SYSTEM IS PROPERLY INSTALLED, CALIBRATED AND OPERATING PER MANUFACTURER'S RECOMMENDATIONS. THIS REVIEW IS TO BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR.

FLOOR PLANS - LIGHTING

1/8"=1'-0"

<p>approved</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>
<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>	<p>DATE</p>

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LIGHTING FLOOR PLAN - BLDGS 600 / 700 & LTR. DIAGRAM

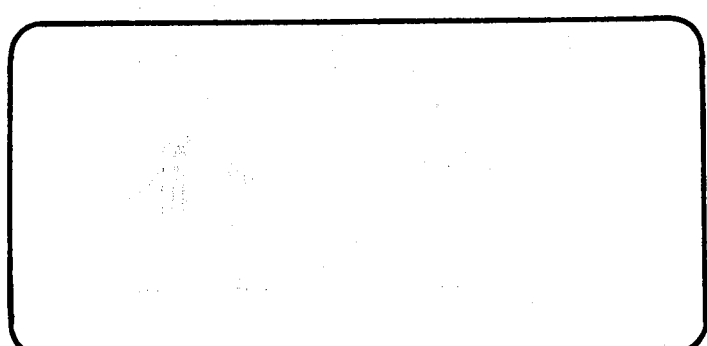
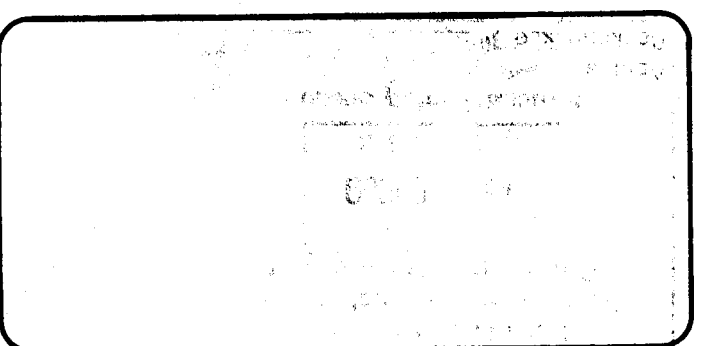
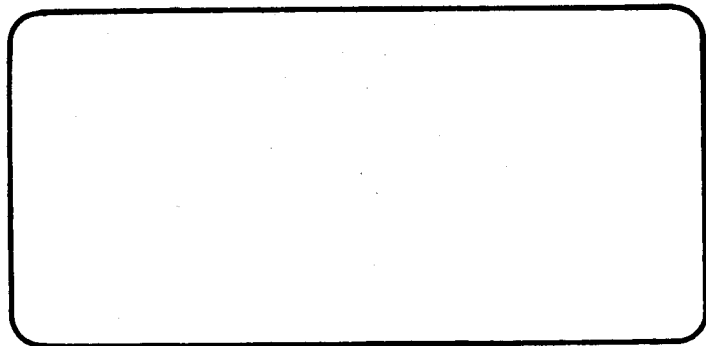
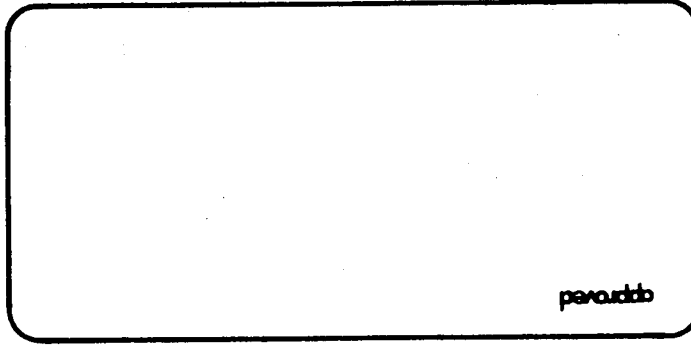
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DATE 1 FEB. 89

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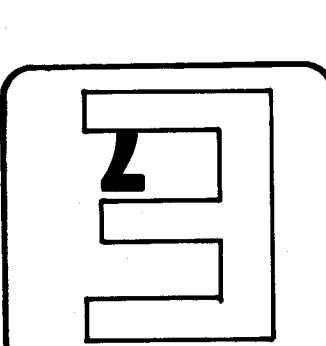


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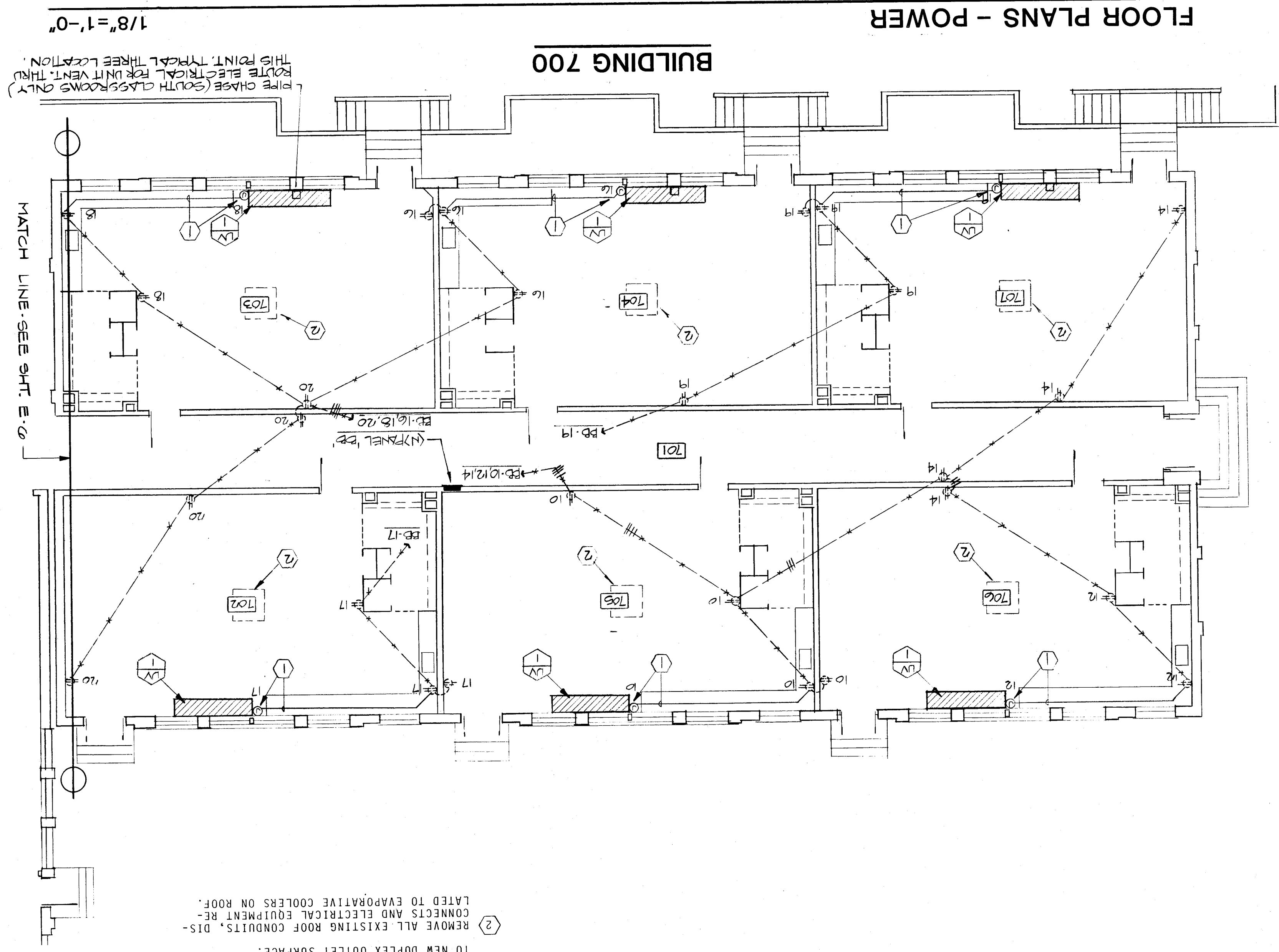
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POWER FLOOR PLANS - BLDGS. 600/700 & PANEL SCHEDULES
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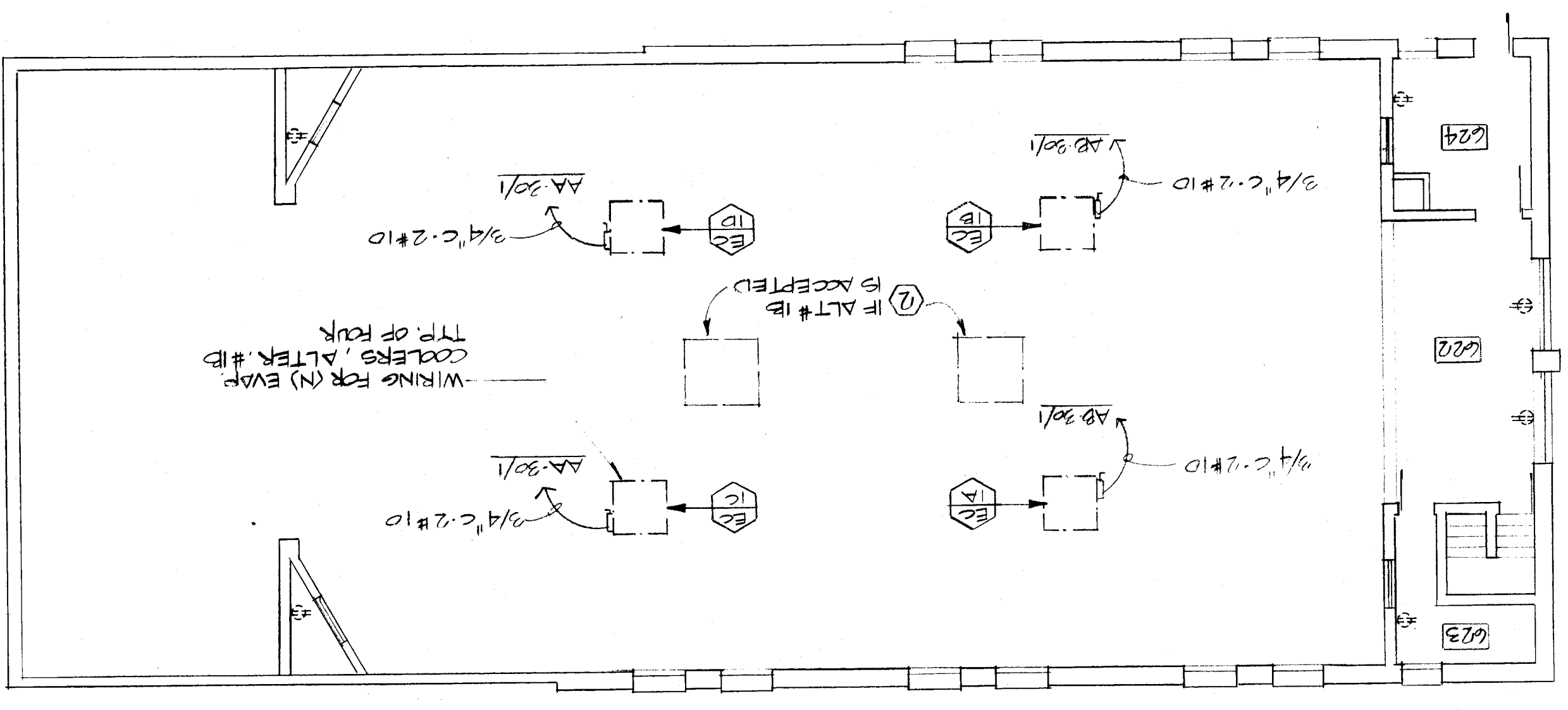


FLOOR PLANS - POWER



- REFERENCE NOTES (THIS SHEET ONLY):
1. INSTALL WIRELOD EXTENSION BOX ON EXISTING OUTLET AND RUN SURFACE WIRELOD #500 TO NEW DUPLEX OUTLET SURFACE.
 2. REMOVE ALL EXISTING ROOF CONDUITS, DISCONNECTS AND ELECTRICAL EQUIPMENT RELATED TO EVAPORATIVE COOLERS ON ROOF.

SECOND FLOOR
BUILDING 600



PANEL 'AA' (BLDG 600) ALTER #10

CIRCUIT WATTAGE
USE
LOAD-TYPE CB
LT RCT HTMO
USE
LOAD-TYPE CB
LT RCT HTMO
USE
LOAD-TYPE CB
LT RCT HTMO

TYPE, NAGCC (B)

* CUT AND PATCH AS NOTED FOR POWER INSTALLATION

TYPE, NAGCC (C)

CIRCUIT WATTAGE
USE
LOAD-TYPE CB
LT RCT HTMO
USE
LOAD-TYPE CB
LT RCT HTMO
USE
LOAD-TYPE CB
LT RCT HTMO

TYPE, NAGCC (C)

* MTP INHIBIT (E) CAN. RECONNECT ALL (E) LOADS.

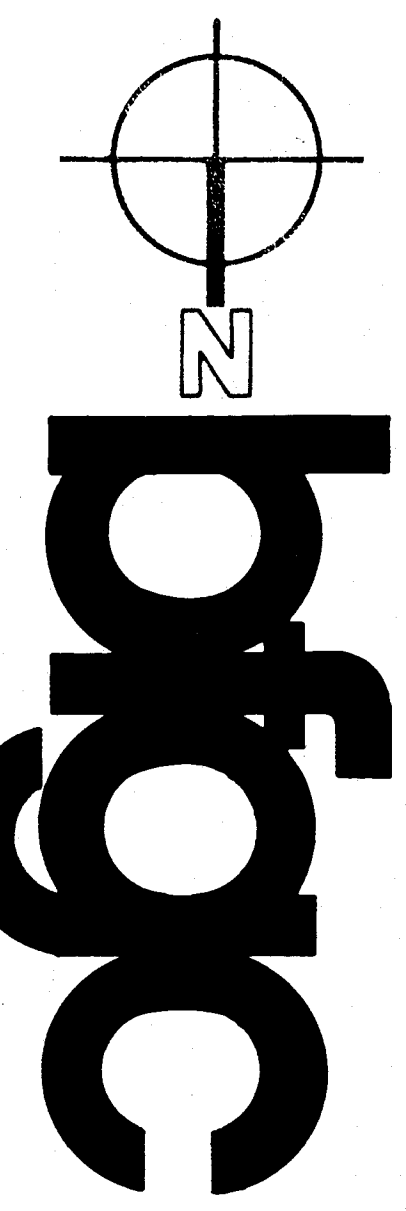
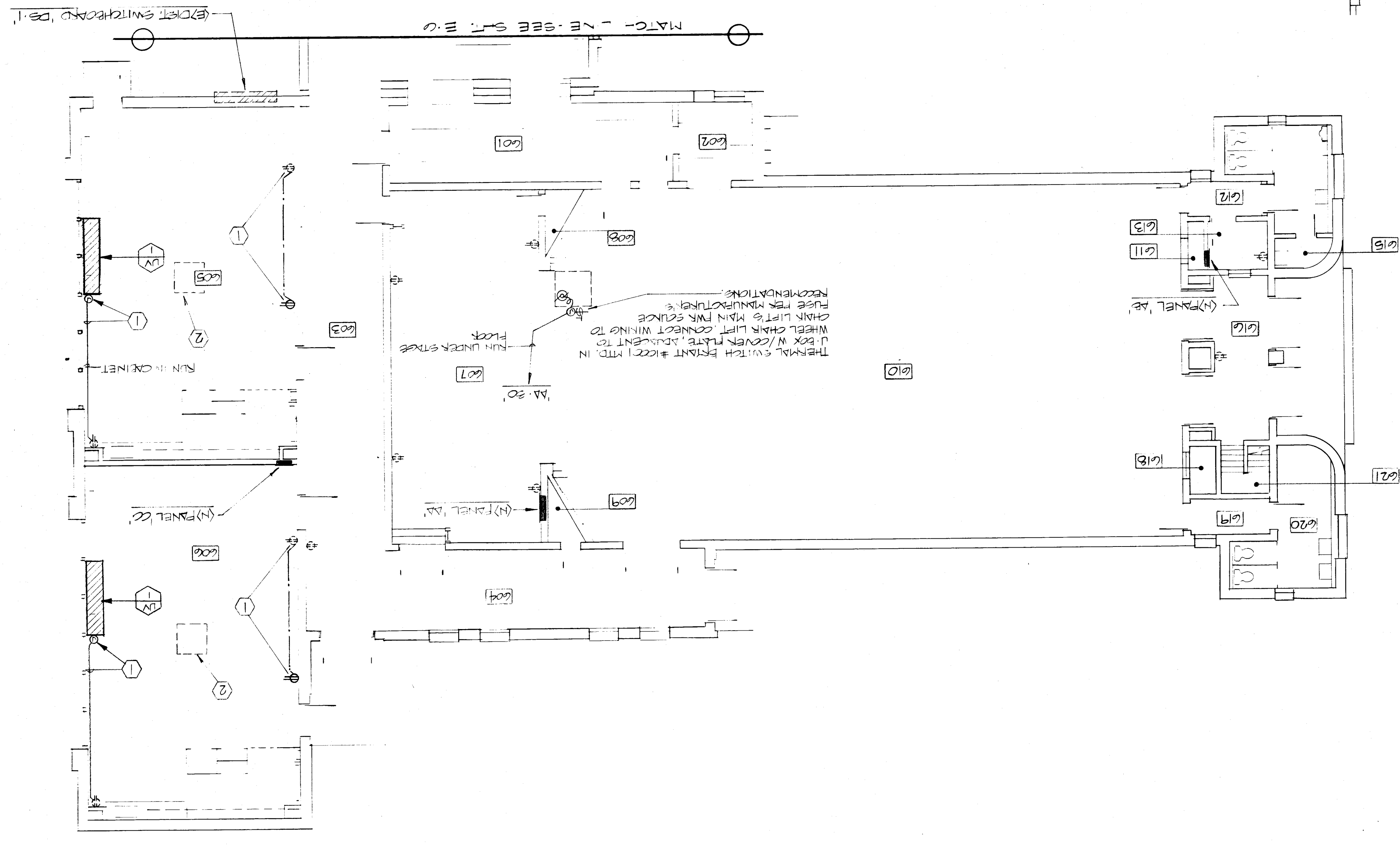
SYSTEM SHORT CIRCUIT RATING (SYM)

BUS
FEEDER
LIGHTING
RECEPTACLE
HEATING
MOTOR
TOTAL

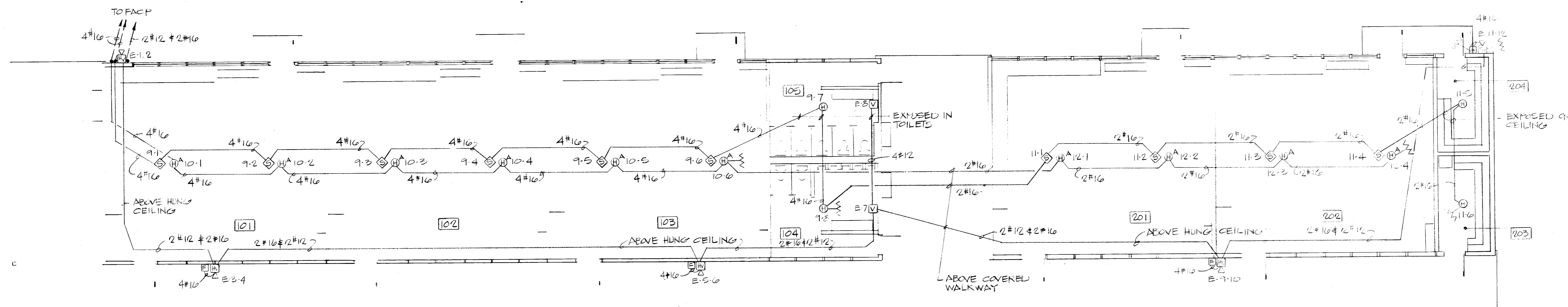
LOAD SUMMARY
SUB-TOTAL
TOTAL

VOLTS
FEEDER
MAIN
FLUSH

BUILDING 600

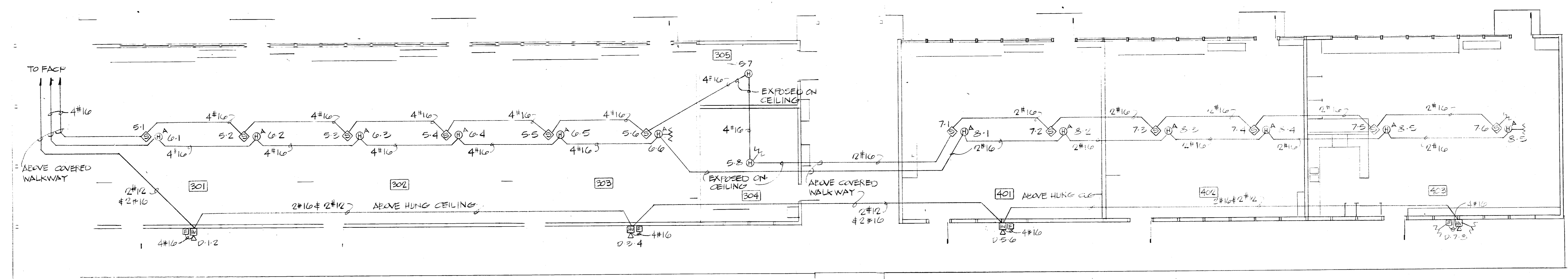


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BUILDING 100

BUILDING 200



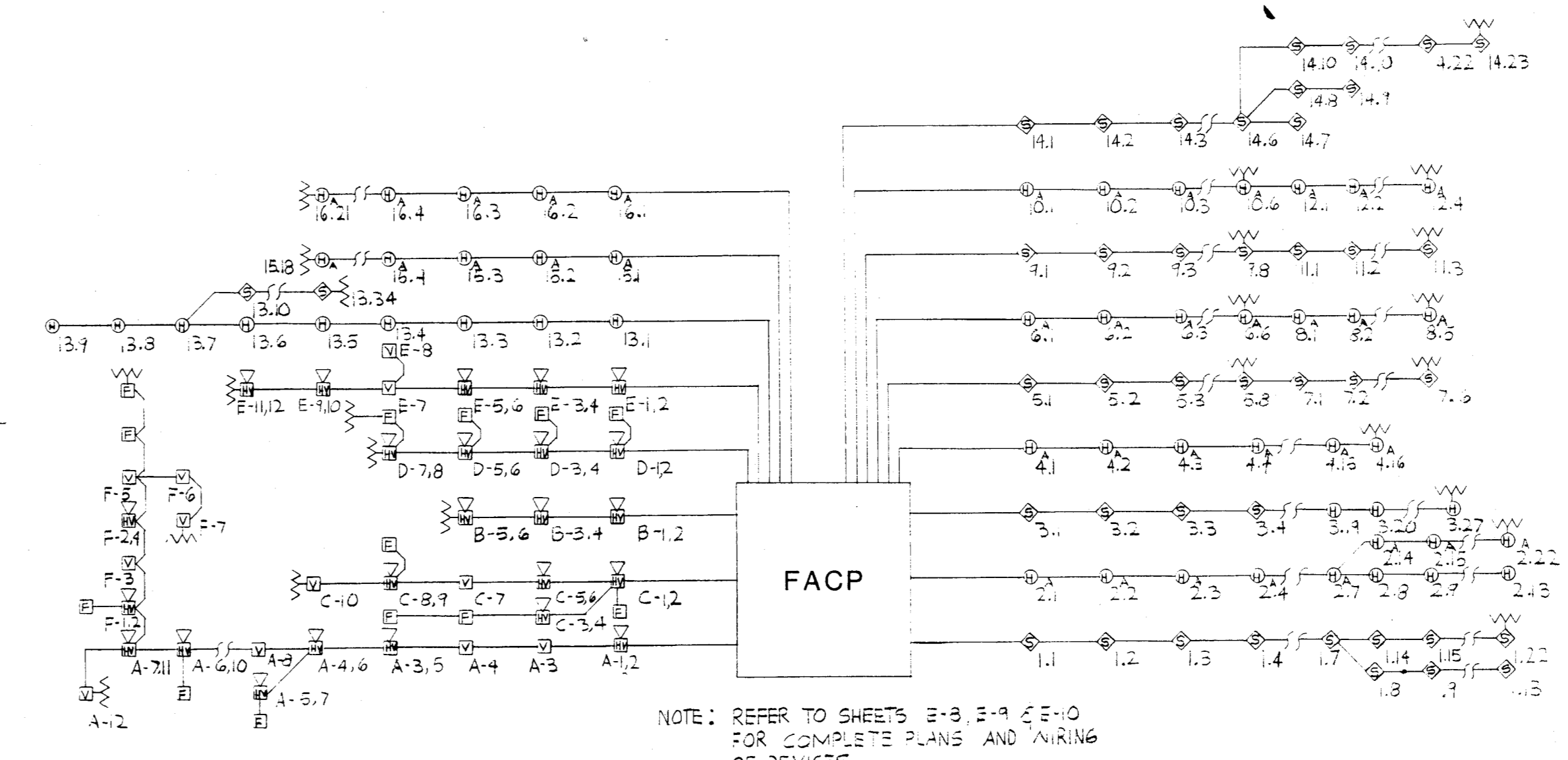
BUILDING 300

BUILDING 400

FLOOR PLANS - FIRE ALARM

1/8"=1'-0"

FIRE ALARM SYSTEM NOTES: BASE BID SHALL INCLUDE FIRE ALARM HORNS AND PULL STATIONS AND ALL NECESSARY WIRING. ALTERNATE BID SHALL INCLUDE FULL FIRE ALARM DETECTION AS SHOWN AND HORNS AND ALL NECESSARY WIRING - NO PULL STATIONS.
(SEE S-1 NOTE G)



FIRE ALARM RISER DIAGRAM

NO SCALE

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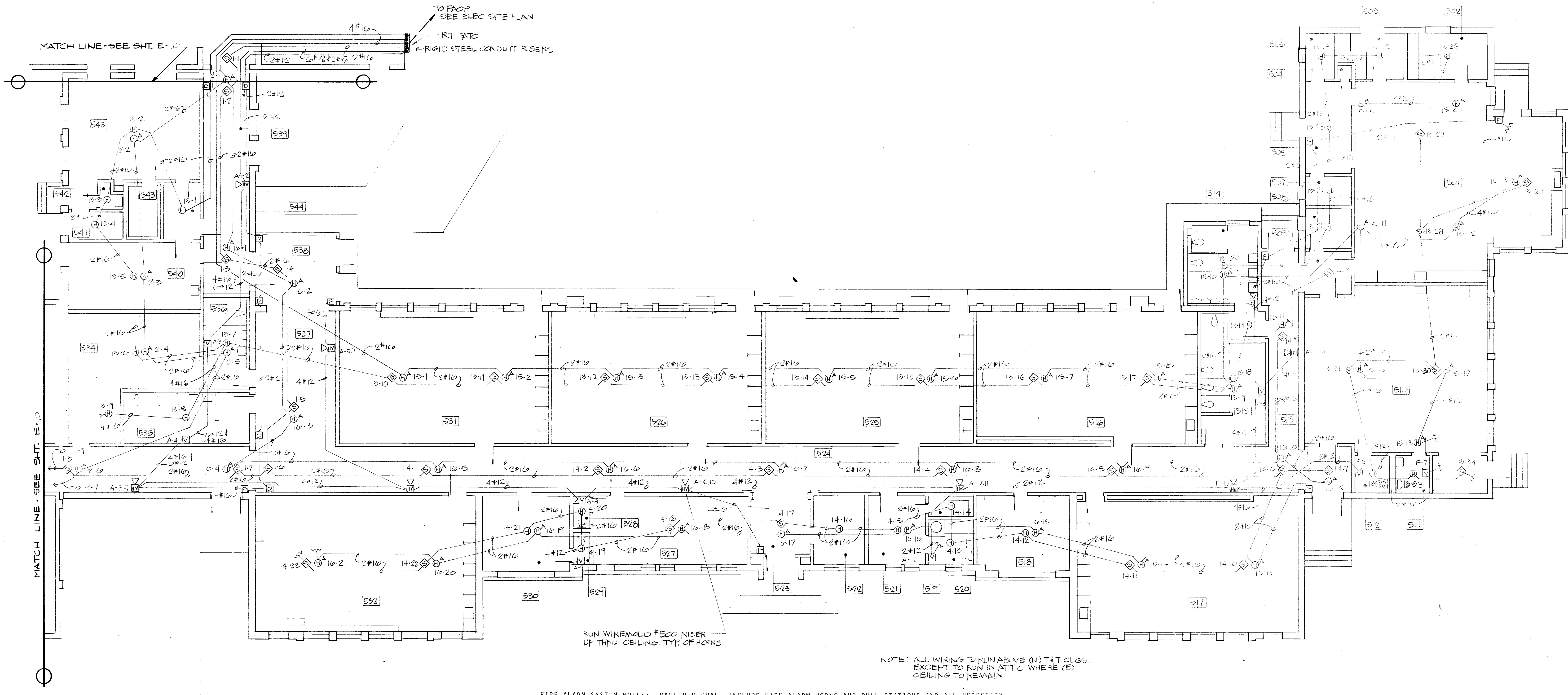
FIRE ALARM FLOOR PLANS - BUILDINGS 100, 200, 300 & 400
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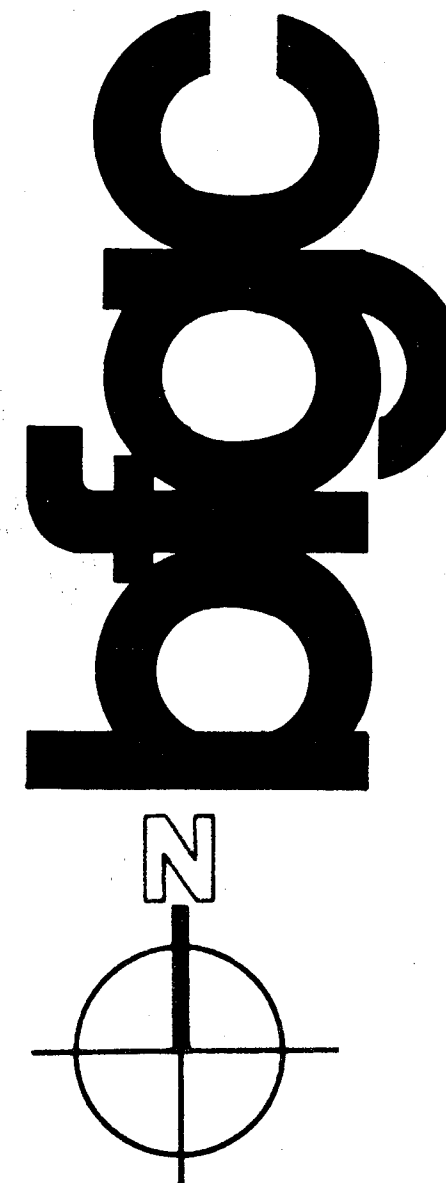


FIRE ALARM SYSTEM NOTES: BASE BID SHALL INCLUDE FIRE ALARM HORNS AND PULL STATIONS AND ALL NECESSARY WIRING. ALTERNATE BID SHALL INCLUDE FULL FIRE ALARM DETECTION AS SHOWN AND HORNS AND ALL NECESSARY WIRING - NO PULL STATIONS. (SEE E-1 NOTE G)

BUILDING 500 FLOOR PLAN - FIRE ALARM

1/8"=1'-0"

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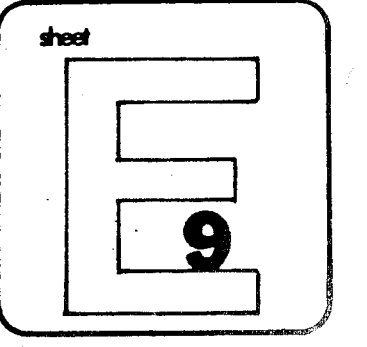
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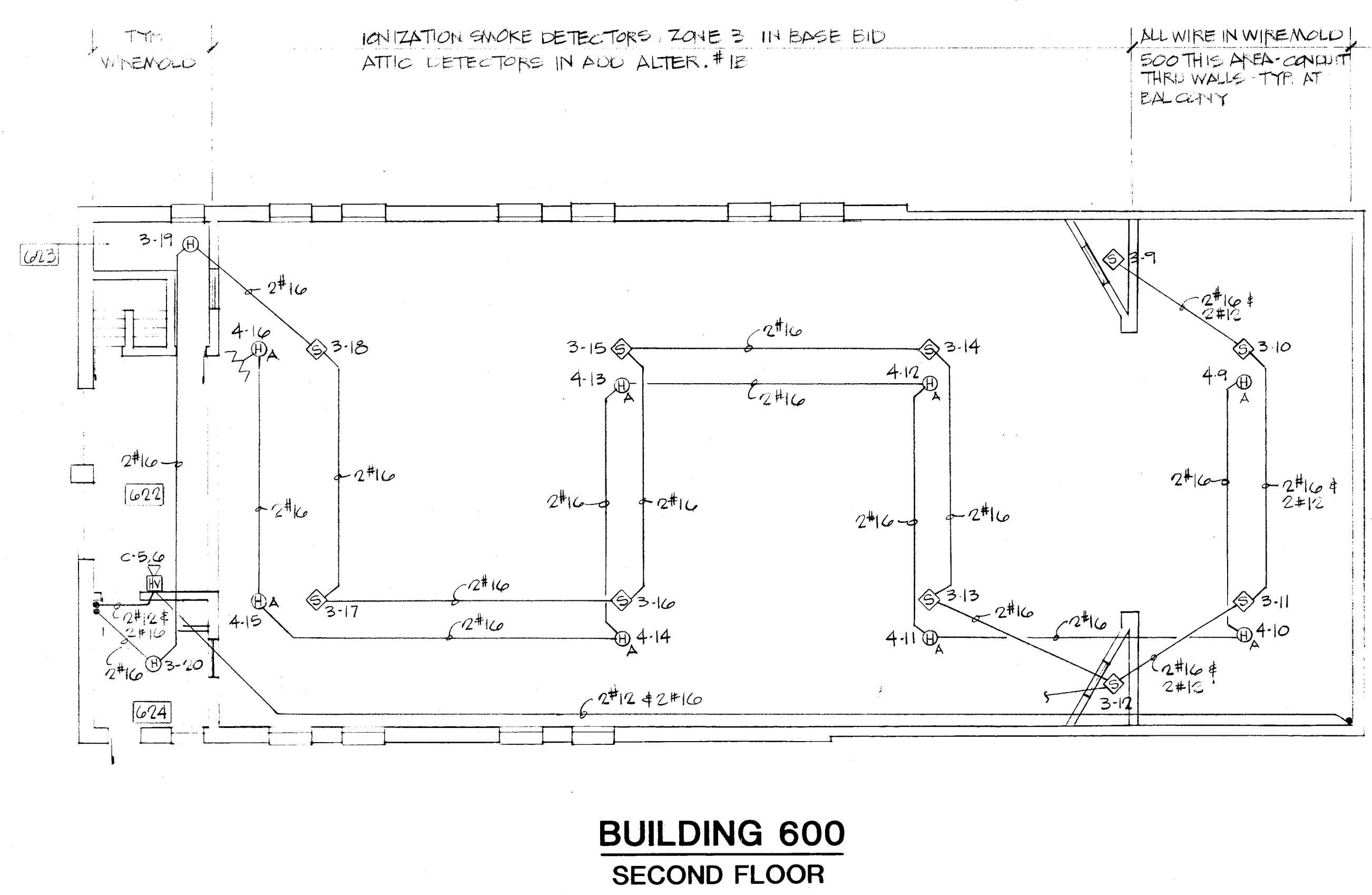
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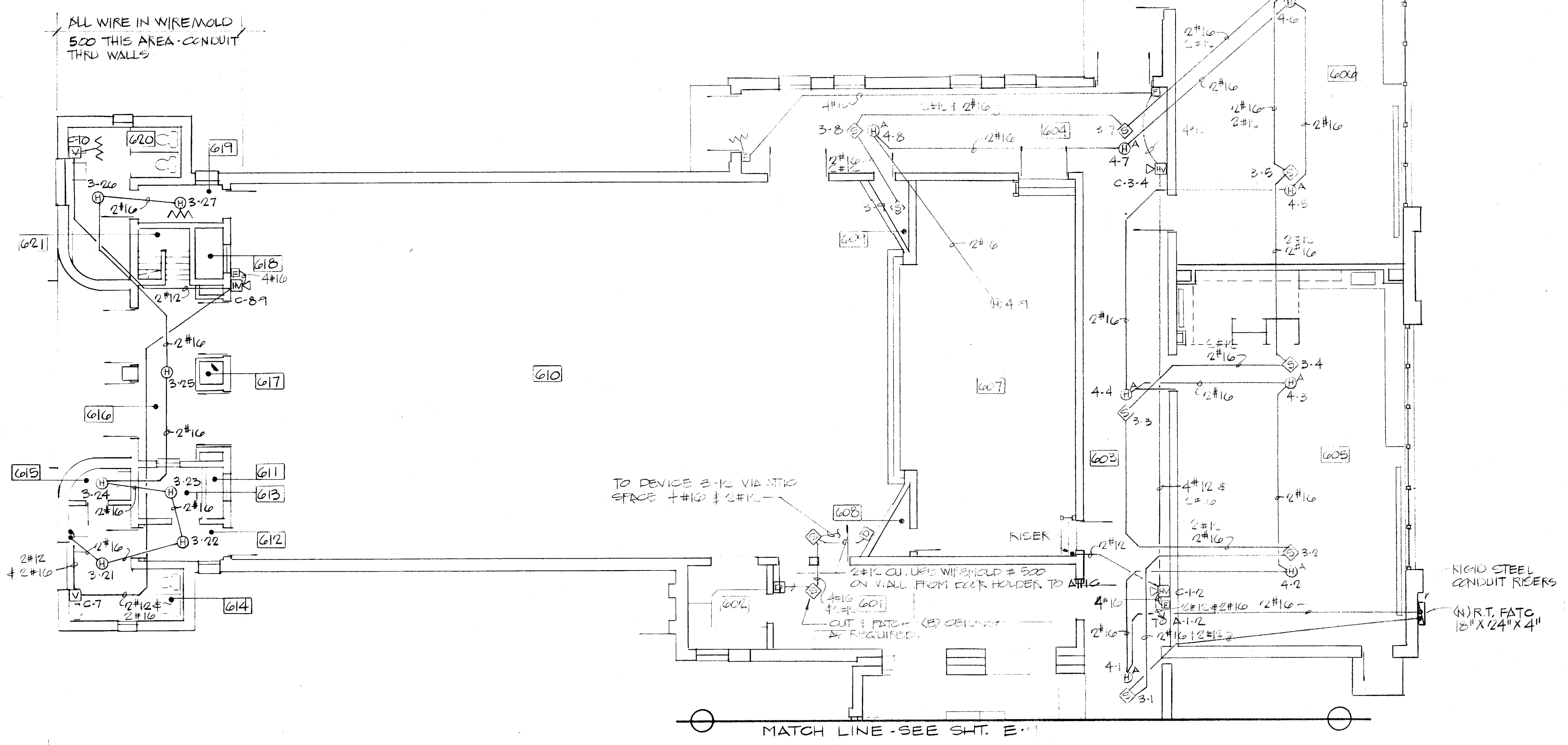
FIRE ALARM FLOOR PLAN - BUILDING 500
HORACE MANN MODERNIZATION
 BAKERSFIELD CITY SCHOOL DISTRICT
 2710 NILES AVENUE
 BAKERSFIELD, CALIFORNIA 93307

job 87-127
 date 1 Feb 87



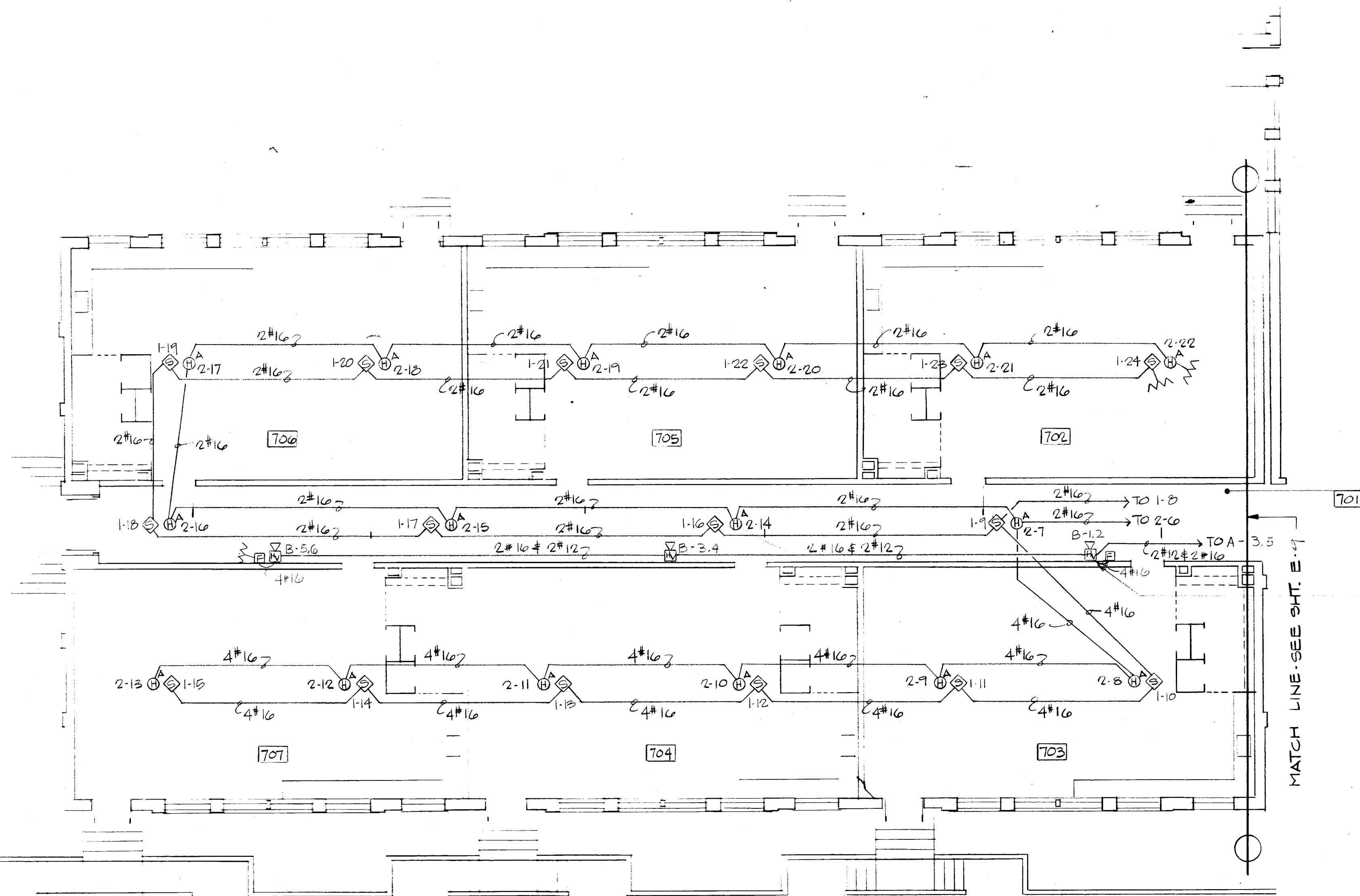


**BUILDING 600
SECOND FLOOR**



BUILDING 600

☐ MAGNETIC COIL HOLDERS - DETERMINE FINAL LOCATION TO BE SET IN FIELD
 FUNCTIONALITY # SEE #2
 CEN#1 # SEE #27-1
 TYPICAL CPALL HOLDERS - THIS PROJECT.



BUILDING 700

CIRCUIT WATTAGE		USE	LOAD-TYPE	CB	CIRCUIT WATTAGE	
Ø A	Ø C		LT RC HT IMO		Ø A	Ø C
3-7	2-0	(E) 1-2-3		1	2	1-0
4-7	2-0			2	3	1-0
5-7	2-0			3	4	1-0
6-7	2-0			4	5	1-0
7-7	2-0			5	6	1-0
8-7	2-0			6	7	1-0
9-7	2-0			7	8	1-0
10-7	2-0			8	9	1-0
11-7	2-0			9	10	1-0
12-7	2-0			10	11	1-0
13-7	2-0			11	12	1-0
14-7	2-0			12	13	1-0
15-7	2-0			13	14	1-0
16-7	2-0			14	15	1-0
17-7	2-0			15	16	1-0
18-7	2-0			16	17	1-0
19-7	2-0			17	18	1-0
20-7	2-0			18	19	1-0
21-7	2-0			19	20	1-0
22-7	2-0			20	21	1-0
23-7	2-0			21	22	1-0
24-7	2-0			22	23	1-0
25-7	2-0			23	24	1-0
26-7	2-0			24	25	1-0
27-7	2-0			25	26	1-0
28-7	2-0			26	27	1-0
29-7	2-0			27	28	1-0
30-7	2-0			28	29	1-0
31-7	2-0			29	30	1-0
SUB-TOTAL						

* CUT AND PATCH AS REQUIRED FOR TYPICAL INSTALLATION

FLOOR PLANS - FIRE ALARM

1/8" = 1'-0"

FIRE ALARM SYSTEM NOTES: BASE BID SHALL INCLUDE FIRE ALARM HORNS AND PULL STATIONS AND ALL NECESSARY WIRING. ALTERNATE BID SHALL INCLUDE FULL FIRE ALARM DETECTION AS SHOWN AND HORNS AND ALL NECESSARY WIRING - NO PULL STATIONS. (SEE #2, NOTE C)

approved

DATE

BY

DATE

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FIRE ALARM FLOOR PLANS - BUILDINGS 600 & 700
HORACE MANN MODERNIZATION
 BAKERSFIELD CITY SCHOOL DISTRICT
 2710 NILES AVENUE
 BAKERSFIELD, CALIFORNIA 93307

job 87-127
 date FEB 11

sheet 10