



LOMAS / TRAMWAY BRANCH LIBRARY

VAN H GILBERT ARCHITECT

THIS DRAWING IS INCLUDED TO  
CONVEY THE FEELING OF THE  
PROJECT AND SHOULD NOT BE  
USED FOR CONSTRUCTION.

*Russell B. Smith*  
12-1-87

26 19860087

*C. H. Chapman*  
APPROVED CITY ENGINEER

RECORD DRAWING 1986

# FOOTHILLS BRANCH LIBRARY

LOMAS BLVD. AT TRAMWAY BLVD.

CITY OF ALBUQUERQUE PROJECT# 1986

## MAYOR

KEN SHULTZ

## CITY COUNCIL

PATRICK BACA

VINCE GRIEGO

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RICHARD MATHER

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FRAN HILL

MICHAEL WIENER

## DIRECTOR OF LIBRARY SERVICES

ALAN CLARK

## ARCHITECT

VAN H. GILBERT ARCHITECT

319 CENTRAL N.W. SUITE 201  
ALBUQUERQUE N.M. 87102

## CONSULTANTS

### STRUCTURAL

RANDY HOLT & ASSOCIATES

### MECHANICAL

FOUR SEASONS ENGINEERING

### ELECTRICAL

TIERRA DEL SOL ENGINEERING

### CIVIL

ISSACSON & ARFMAN ENGINEERS

### LANDSCAPE

ROYSTON, HANAMOTO, ALLEY, AND ABBEY

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### MECHANICAL

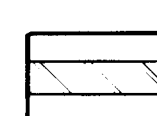
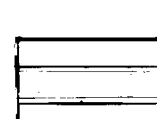
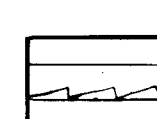
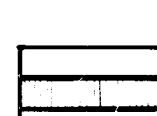
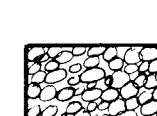
M-1 UTILITIES SITE PLAN, EQUIPMENT SCHEDULE  
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M-3 WATER AND GAS PLAN  
M-4 MECHANICAL EQUIPMENT PLAN, UNDER-FLOOR DUCT WORK PLAN  
M-5 MECHANICAL PLAN/OVER-FLOOR DUCT WORK

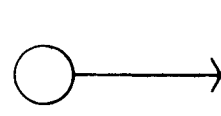
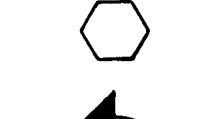
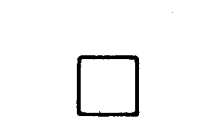
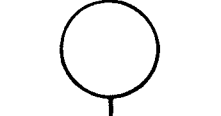
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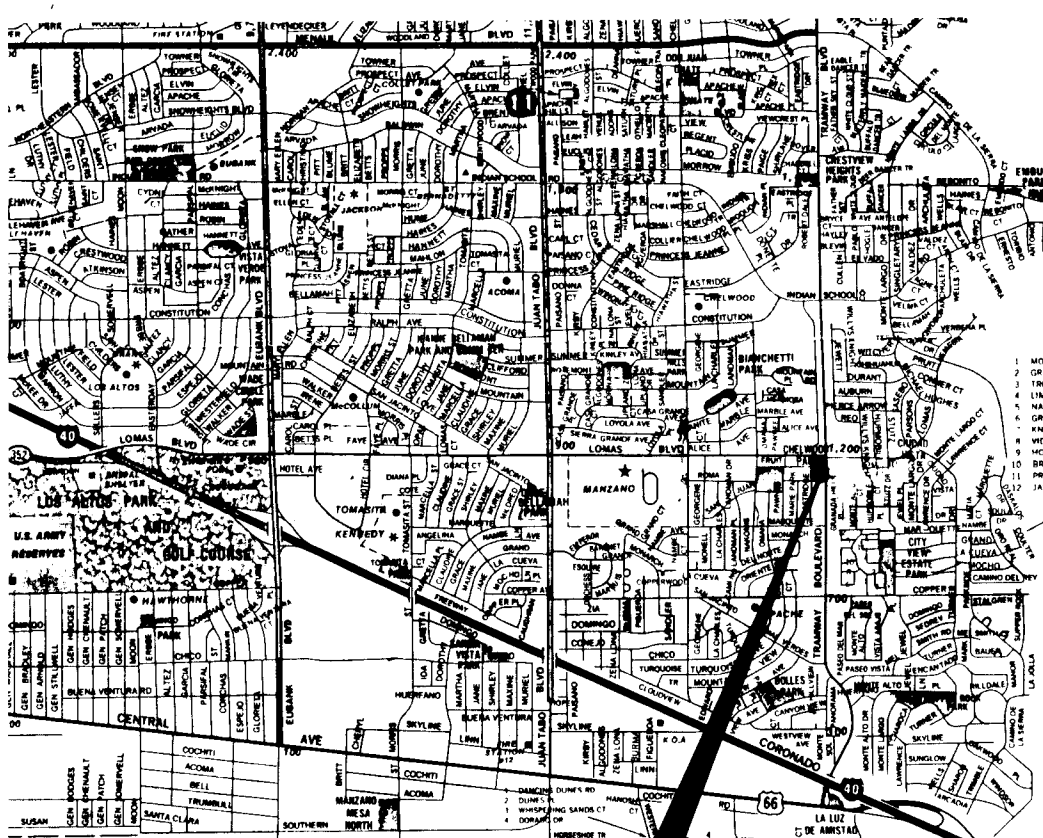
E-1 UTILITIES SITE PLAN  
E-2 LIGHTING PLAN  
E-3 POWER PLAN  
E-4 SPECIAL SYSTEMS PLAN  
E-5 SCHEDULES, RISEN DIAGRAM

### SCHEDULE OF ALTERNATES

ALT. #1 : ART PARK  
ALT. #2 : BRICK PAVING AT ART PARK  
ALT. #3 : COURTYARD IMPROVEMENTS  
ALT. #4 : SPACE FRAME  
ALT. #5 : FOUNTAIN  
ALT. #6 : CASEWORK  
ALT. #7 : WALL ACCENT TILE  
ALT. #8 : ALUMINUM WINDOWS  
ALT. #9 : INTEGRATED CEILING  
ALT. #10 : CRT CADDY  
ALT. #11 : PAVING ACCENT TILE  
ALT. #12 : SANDBLAST CONCRETE COLUMNS

|                                                                                     |                  |                                                                                     |                |
|-------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|----------------|
|  | RIGID INSULATION |  | STEEL          |
|  | GYP. BOARD       |  | PLASTER        |
|  | ACOUSTICAL TILE  |  | EARTH          |
|  | BATT INSULATION  |  | CONCRETE       |
|  | CERAMIC TILE     |  | GRANULAR FILL  |
|  | PLYWOOD          |  | STEEL          |
|  | BRICK            |  | CONCRETE BLOCK |

|                                                                                       |                                      |
|---------------------------------------------------------------------------------------|--------------------------------------|
|  | KEYED NOTE INDICATION                |
|  | WINDOW KEY                           |
|  | WALL SECTIONS /<br>REFERENCE DETAILS |
|  | DOOR NO.                             |
|  | ACCESSORIES KEY                      |
|  | COLUMN GRID LINE                     |

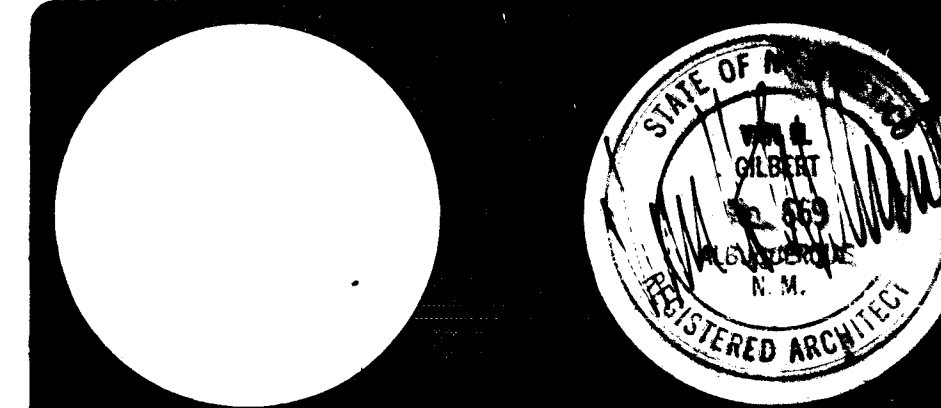


PROJECT SITE

|                            |                                                                |
|----------------------------|----------------------------------------------------------------|
| LEGAL DESCRIPTION          | Lot 5, Chelwood Park Addition<br>Bernalillo County, New Mexico |
| UNIFORM BUILDING CODE DATA |                                                                |
| Occupancy Type             | A-3, B-2                                                       |
| Construction Type          | III-N                                                          |
| Seismic Zone               | 2                                                              |
| Floor Area (Total)         | 12,868 square feet                                             |
| Height                     | 26' 0"                                                         |
| Number of Stories          | 1                                                              |
| Occupant Load              | 215                                                            |
| ZONING DATA                |                                                                |
| Zone                       | R 3 (Conditional Use)                                          |
| PARKING SPACES REQUIRED    | 57 Total                                                       |
| Standard 8.5' x 20'        | 41                                                             |
| Small Car 7.5' x 5'        | 16                                                             |
| Handicap Reserved          | 2                                                              |
| SITE AREA                  | 79,889 square feet                                             |
| LANDSCAPED AREA            | 44,918 square feet                                             |

## RECORD DRAWING

Van H. Gilbert Architect AIA



Date 1/2/86 Drawn By: [Signature]

GENERAL INFORMATION

## MATERIALS & SYMBOLS KEY

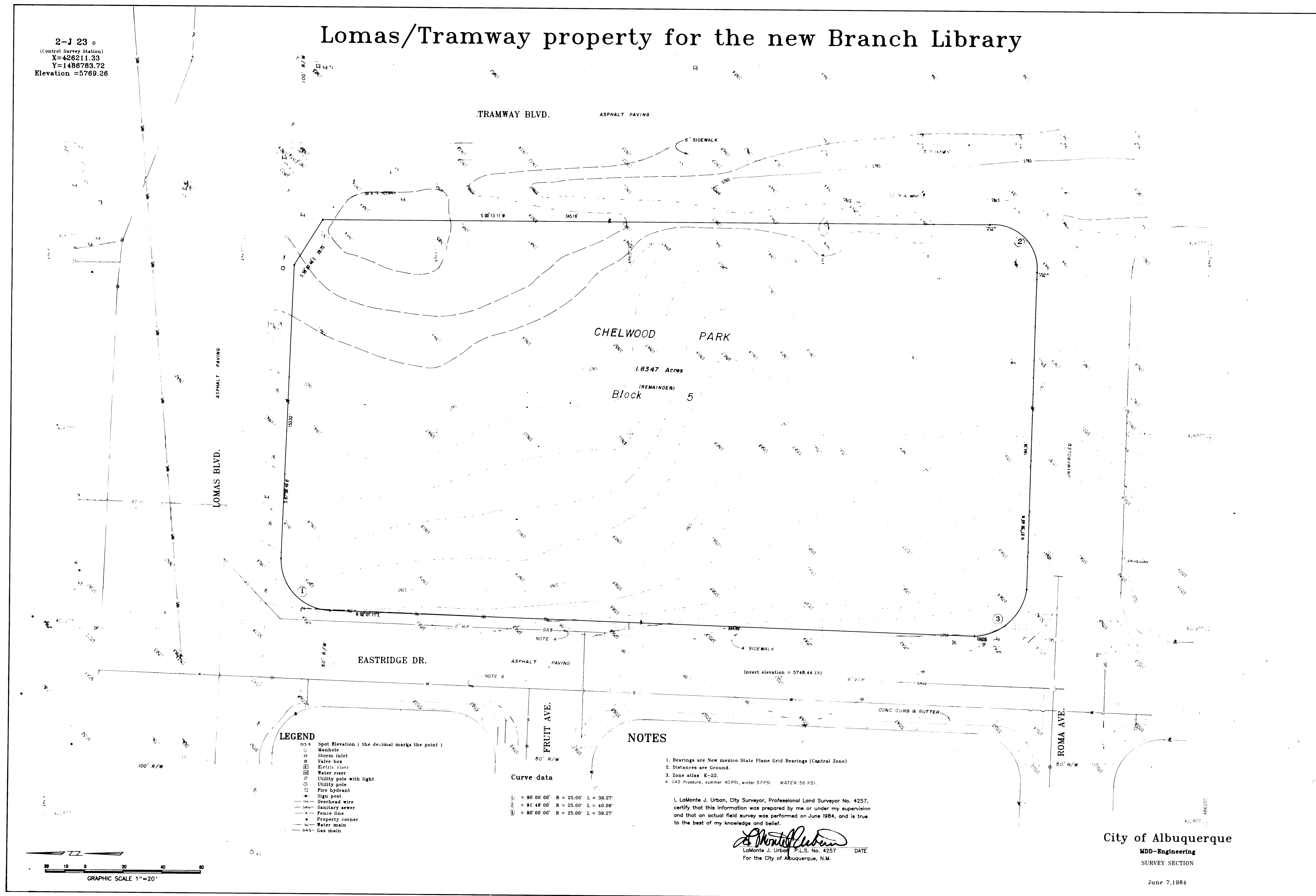
## PROJECT LOCATION MAP

## PROJECT DATA

1986

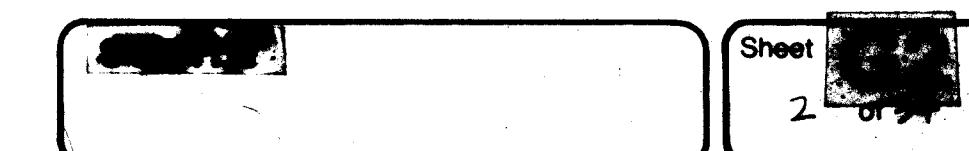
2-J 23  
(Control Survey Station)  
X=426211.33  
Y=1496783.72  
Elevation = 5769.26

# Lomas/Tramway property for the new Branch Library



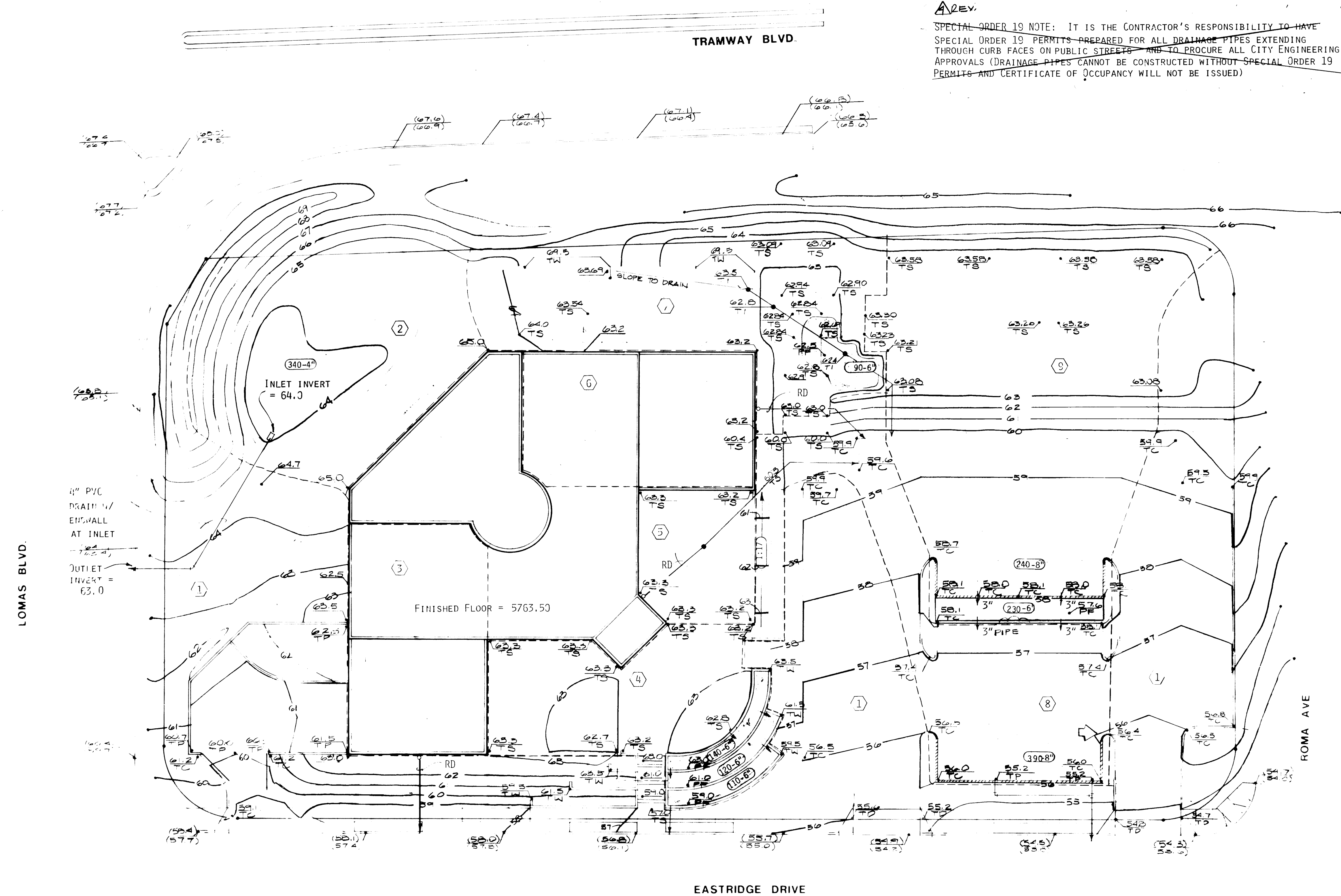
26 19860287

RECORD DRAWING 1986





SEE NOTE B)



LEGEND

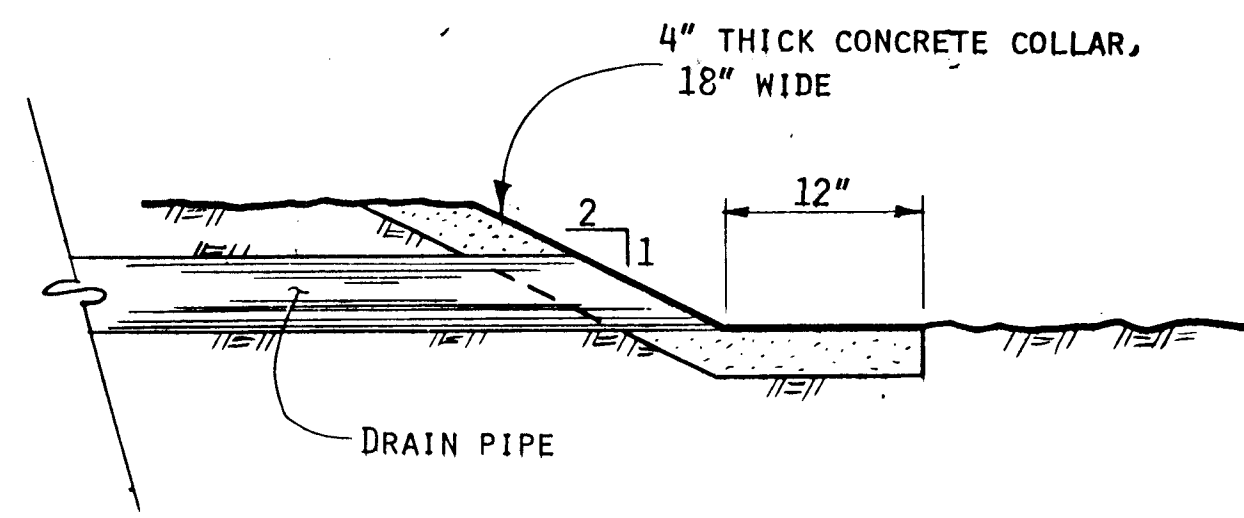
- FINISH GRADE ELEVATION
- TOP OF DRAINAGE INLET
- TOP OF DRIVEWAY ELEVATION
- TOP OF CURB ELEVATION
- TOP OF PAVEMENT ELEVATION
- TOP OF SLAB ELEVATION
- TOP OF HALL ELEVATION
- DRAINAGE OPENING THROUGH WALL OR CURB OR DRAIN PIPE. DIAMETER OF CIRCULAR OPENING, DIAMETER OF PIPE, OR DIMENSION OF SQUARE OPENING IS 4" UNLESS OTHERWISE INDICATED
- RD - ROOF DRAIN
- 1:12 - WHEEL CHAIR RAMP 1/2 SLOPE
- DRAINAGE INLET
- EXISTING ELEVATION \*
- DETENTION POND FLOOR ELEVATION
- DETENTION POND
- 1ST FIGURE INDICATES PONDING VOLUME IN CURIC FEET
- 2ND FIGURE INDICATES PONDING DEPTH IN INCHES AT DEEPEST POINT
- DRAINAGE SHALE
- CURB 6" HIGH FACE
- CURB - TRANSITION FROM 6" TO 8" HIGH FACE
- CURB - 8" HIGH FACE
- INDICATES DETENTION POND SPILLWAY
- RUNOFF AREA NUMBER (DEVELOPED SITE)
- RUNOFF AREA BOUNDARY
- POND WATER SURFACE AREA (SEE TABLE 1 FOR POND SURFACE ELEVATION)
- \*TOP FIGURE IS TOP OF CURB ELEVATION; BOTTOM FIGURE IS FLOWLINE ELEVATION

LOMAS BLVD.

ROMA AVE

EASTRIDGE DRIVE

- DRAIN LINE NOTES:
- ALL DRAIN LINES SHALL HAVE A MINIMUM SLOPE OF 1/8" PER FOOT.
  - DRAIN LINES SHALL BE CONSTRUCTED OF SCHEDULE 40 PVC.
  - Curb penetrations in Public Right of Way shall be in accordance with City Standard Detail R-15. An excavation permit must be obtained from the City Engineer's Office prior to construction. This note applies to the three penetrations on Eastridge Drive and one on Lomas Blvd. indicated by an arrow penetrating the curb.

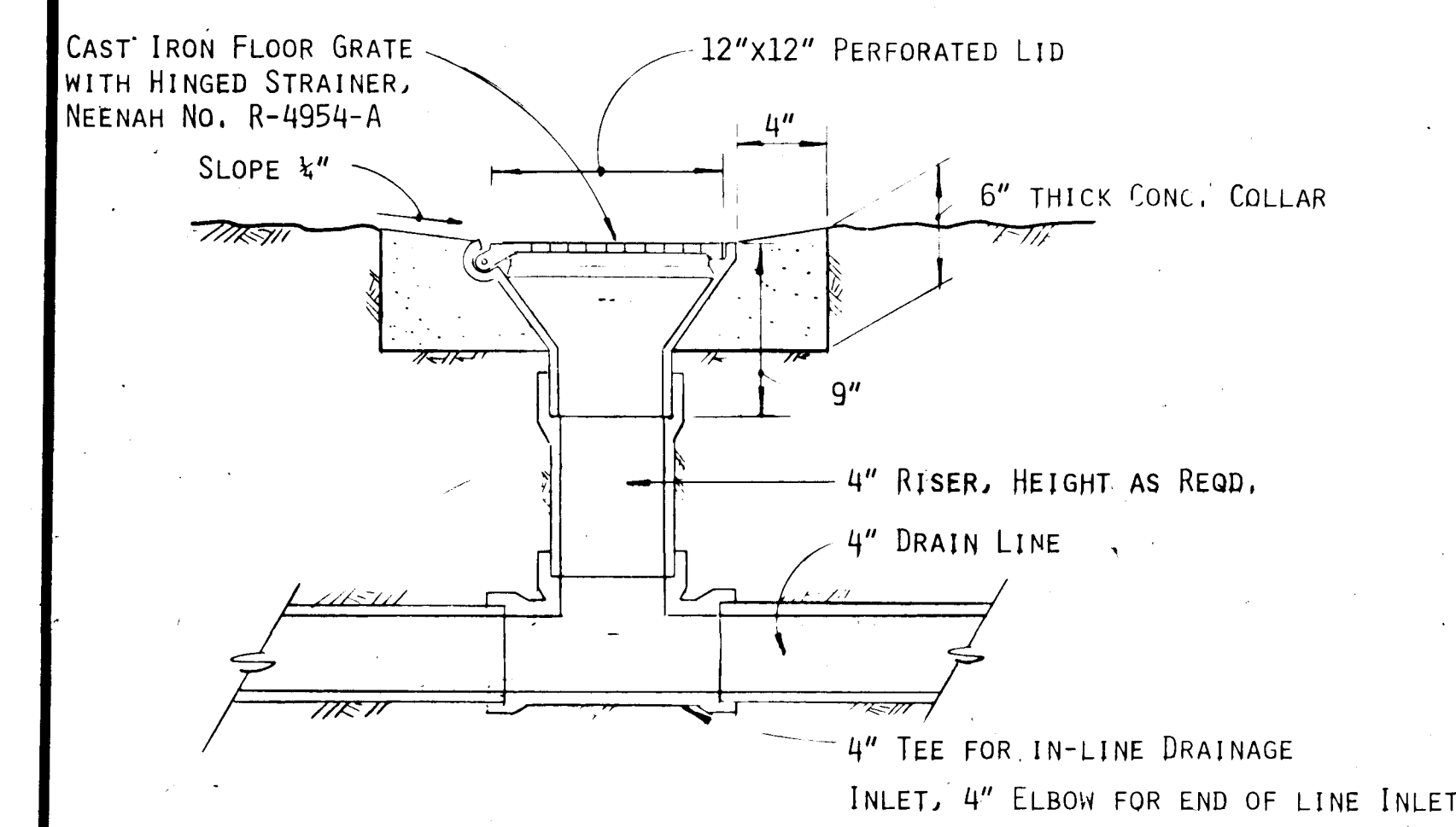
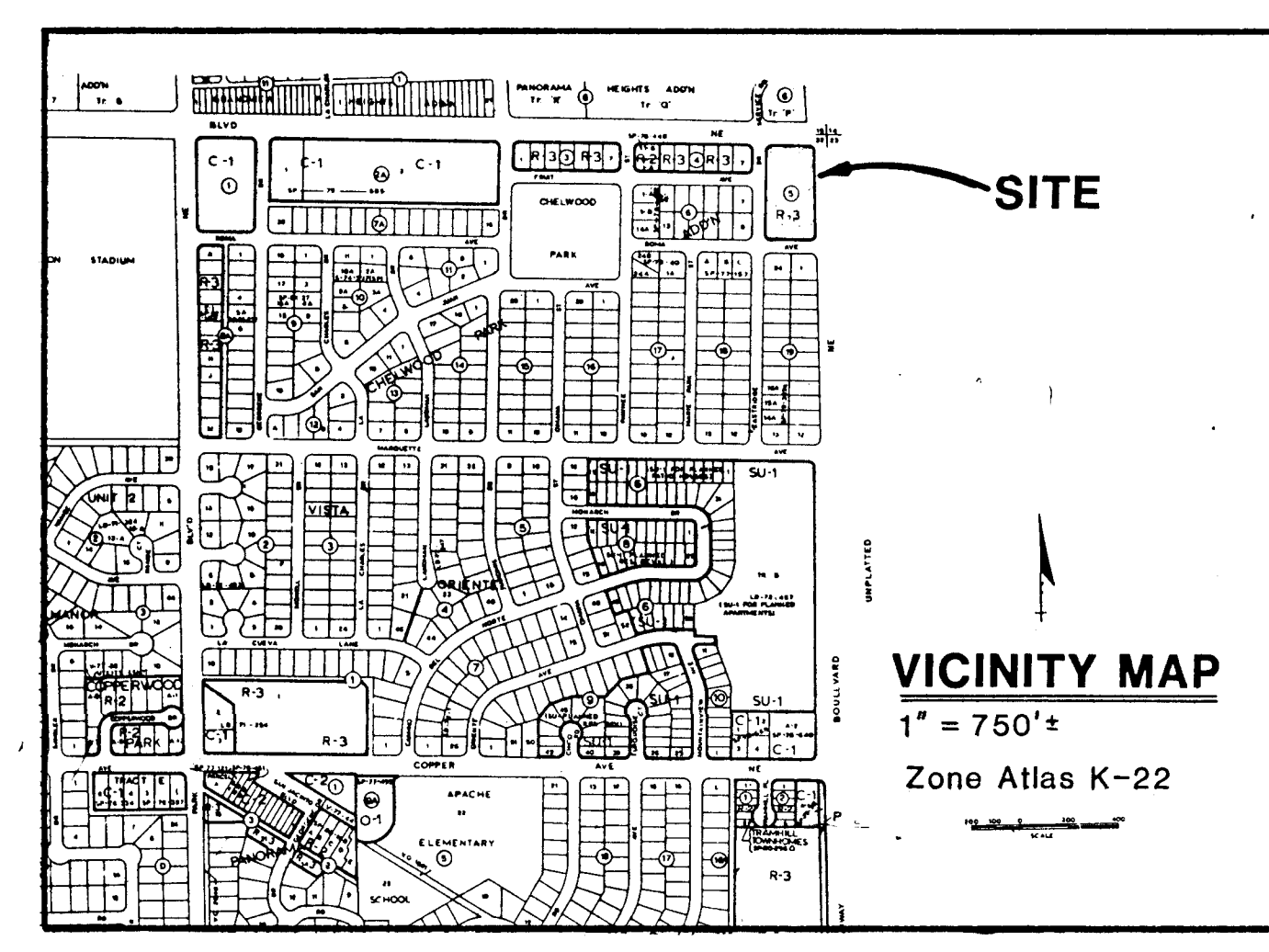


Drain Pipe Endwall

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

SITE GRADING AND DRAINAGE PLAN

SCALE: 1" = 20'  
SHEET PLAN NUMBER: 1/86



DRAINAGE INLET DETAIL

NO SCALE

M. RUNOFF CALCULATION TABLE.

| Area No.    | % Impervious | C    | I (in/hr) | P (ft.) | Area (sf) | Q, un-controlled (cfs) | Q, controlled (cfs) | Volume (cu. ft.) |
|-------------|--------------|------|-----------|---------|-----------|------------------------|---------------------|------------------|
| Site        |              |      |           |         |           |                        |                     |                  |
| Undeveloped | 0-           | 0.34 | 5.50      | 0.21    | 79,920    | 3.4                    | ---                 | 5,710            |
| 1           | 57           | 0.63 | "         | "       | 25,080    | 2.0                    | ---                 | 2,420            |
| 2           | 12           | 0.39 | "         | "       | 7,330     | 0.4                    | 0.3                 | 600              |
| 3           | 100          | 1.00 | "         | "       | 4,130     | 0.5                    | 0.2                 | 870              |
| 4           | 84           | 0.80 | "         | "       | 4,800     | 0.5                    | 0.3                 | 810              |
| 5           | 92           | 0.88 | "         | "       | 7,770     | 0.9                    | 0.3                 | 1,440            |
| 6           | 100          | 1.00 | "         | "       | 4,130     | 0.5                    | 0.2                 | 870              |
| 7           | 36           | 0.50 | "         | "       | 6,760     | 0.4                    | 0.3                 | 710              |
| 8           | 80           | 0.75 | "         | "       | 6,940     | 0.5                    | 0.3                 | 2,049            |
| 9           | 35           | 0.50 | "         | "       | 12,970    | 0.8                    | 0.4                 | 1,360            |

Developed Q<sub>100</sub> = Controlled Q's from Areas 1, 2, 3, 4, & 8 = 2.0 + 0.3 + 0.2 + 0.3 + 0.3 = 3.10 cfs, < 3.4 cfs OK

26 19860487

DRAINAGE CALCULATIONS

- LEGAL DESCRIPTION. BLOCK 5, CHELWOOD PARK ADDITION
  - REICH MARK. ACS CONTROL STATION 2-J25, LOCATED INSIDE MONUMENT BOX IN MIDDLE OF TRAMWAY BLVD. ON NORTH SIDE OF INTERSECTION WITH LOMAS BLVD. ELEVATION: 5765.26
  - FLOOD HAZARD. THE SITE IS NOT LOCATED WITHIN ANY FLOOD HAZARD ZONES.
  - WATERSHED SOILS. SCS SOIL ETC. HYDROLOGIC SOIL GROUP B.
  - OFFSITE FLOWS. THERE ARE NO OFFSITE FLOWS ENTERING THE PROPERTY.
  - DOWNSIDE CAPACITY. FLOWS LEAVING THE PROPERTY PROCEED ON EASTRIDGE DRIVE, ROMA AVENUE, PANTEE STREET, SAN JUAN AVENUE, GFORGENE DRIVE, TO INLETS AT THE NORTHEAST CORNER OF MARQUETTE AND CHELWOOD PARK BLVD. ANY INLET OVERFLOW PROCEEDS SOUTH ON CHELWOOD. THERE IS AN EXISTING 36" STORM SEWER IN CHELWOOD WHICH IS UNDERSIZED, CREATING FLOODING PROBLEMS. THE DRAINAGE MASTERPLAN RECOMMENDS A NEW PARALLEL 36" STORM DRAIN IN CHELWOOD WHICH HAS A "B PRIORITY".
  - PROJECT SCHEDULE. THE FOOTHILLS BRANCH LIBRARY IS SCHEDULED FOR COMPLETION BY JANUARY OF 1986.
  - DRAINAGE CONCEPT. RUNOFF FROM THE SITE SHOULD BE DETAINED, WHERE POSSIBLE, TO AMELIORATE THE EFFECTS ON DOWNSIDE DRAINAGE FACILITIES. SINCE THE PROPERTY IS THE MOST DISTANT FROM THE CHELWOOD STORM SEWER, DETAINING THE FLOWS WILL ASSIST IN ALLEVIATING ANY FLOODING PROBLEMS DOWNSIDE.
  - DETENTION POND VOLUME CALCULATIONS.  
NOTE: THE TOP OF POND SURFACE ELEVATION IS SHOWN ENCLOSED THIS:
- | POND LOCATION            | CONTOUR      | AREA (sq. ft.) | VOLUME BETWEEN CONTOURS (cu. ft.) |
|--------------------------|--------------|----------------|-----------------------------------|
| Art Park                 | 62.5 (62.8)  | 180            | 80                                |
| East Parking Lot         | 57.33 (58.0) | 0              | 240                               |
| East Parking Lot Divider | 57.6 (58.1)  | 432            | 230                               |
| West Parking Lot         | 55.23 (55.9) | 0              | 230                               |
|                          |              | 910            | 160                               |
|                          |              | 1,030          | 390                               |
| East Planter             | 63.0 (63.5)  | 290            | 140                               |
| Middle Planter           | 61.0 (61.5)  | 240            | 120                               |
| West Planter             | 59.0 (59.5)  | 220            | 110                               |
| APR 86                   | 61.0 (61.3)  | 2,250          | 310                               |
- DRAIN PIPE CAPACITY.  
SHORT PIPES (THROUGH WALLS): DRIFICE FORMULA,  $Q = CA 2GH$ , FOR "SHORT TUBES". USE  $C = .82$  (KING, P. 50)  
TABULATION OF CALCULATIONS:  

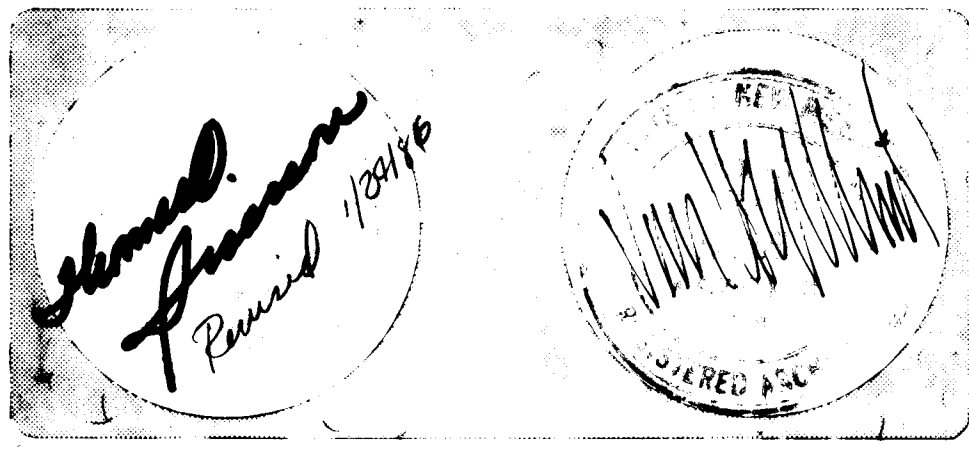
| HEAD (IN) | Q (CFS) FOR PIPE DIAMETERS |         |
|-----------|----------------------------|---------|
|           | 3" DIA.                    | 4" DIA. |
| 4         | .10                        | .35     |
| 5         | .21                        | .41     |
| 6         | .23                        | .41     |

  
LONG PIPES: DRIFICE FORMULA FOR CULVERTS,  $Q = CA 2GH$ ,  $C$  CALCULATED FROM KING, P. 59, FOR CONCRETE PIPE, BEVELED-LIP ENTRANCE. FOR 3" PIPE  $C = .64$ , FOR 4" PIPE  $C = .69$ .  
TABULATION OF CALCULATIONS:  

| HEAD (IN) | Q (CFS) FOR PIPE DIAMETERS |         |
|-----------|----------------------------|---------|
|           | 3" DIA.                    | 4" DIA. |
| 4         | .15                        | .20     |
| 5         | .16                        | .31     |
| 6         | .10                        | .34     |

  
ROOF DRAINS: DRIFICE FORMULA FOR CIRCULAR HOLES,  $Q = CA 2GH$ ,  $C = 0.6$ . FOR 3" PIPE WITH 3" HEAD,  $Q = 0.24$  CFS.
  - RAINFALL, P & I.  
 $P = 0$  HR. RAINFALL VOLUME = 2.5" (DPII, 22.2 D-1)  
 $1133 = 2.5 \times 2 \times 2 = 5.5$  HR (DPII, 22.2 D-2)
  - ROMA AVENUE STREET GRADINGS. THE ARCHITECT HAS REQUESTED THE CITY ENGINEERING DEPARTMENT TO ESTABLISH STREET GRADINGS FOR THE UNPAVED PORTION OF ROMA AVENUE.
  - RUNOFF CALCULATION TABLE. SEE TABLE TO LOWER LEFT.

Van H. Gilbert Architect AIA  
Architecture  
319 Central NW Suite 201 Albuquerque NM 87102 505 247 9955  
Planning



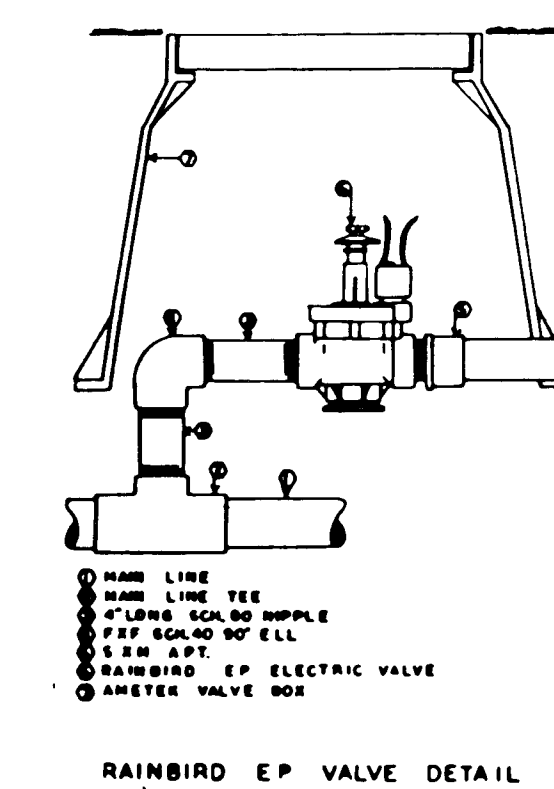
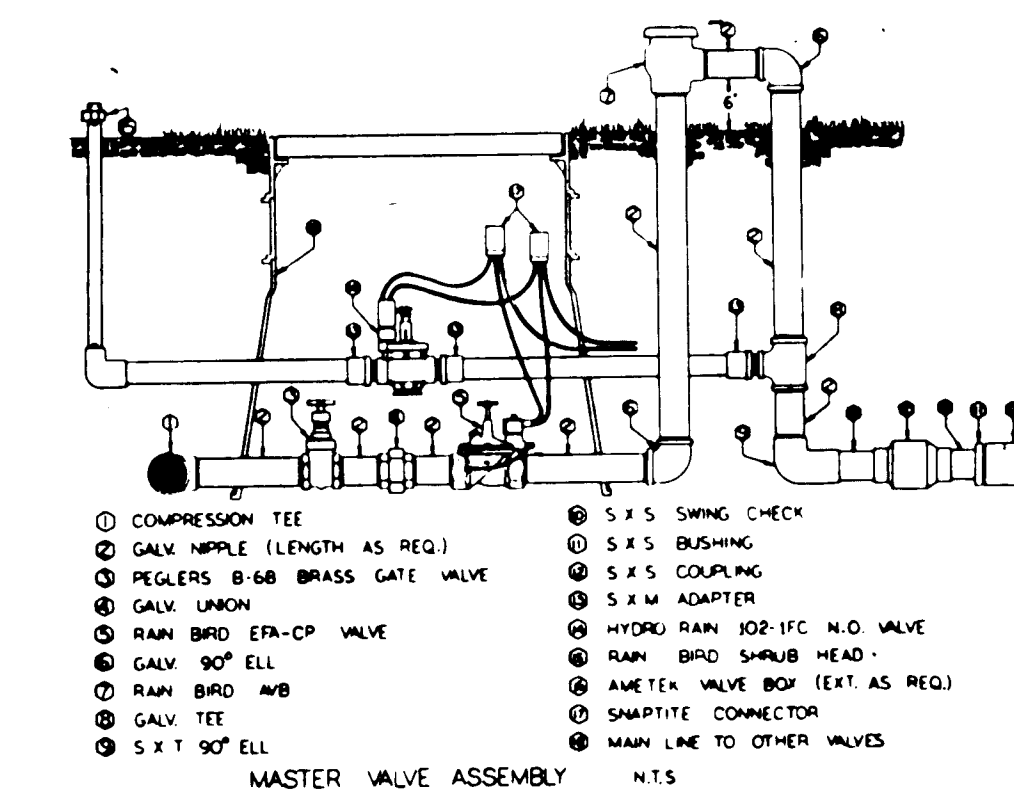
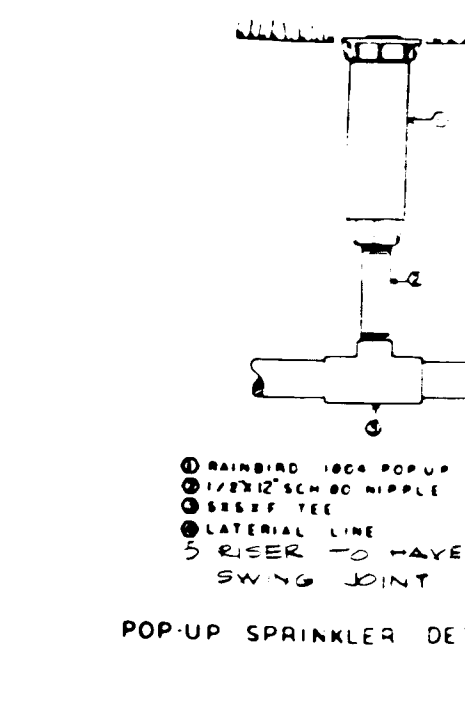
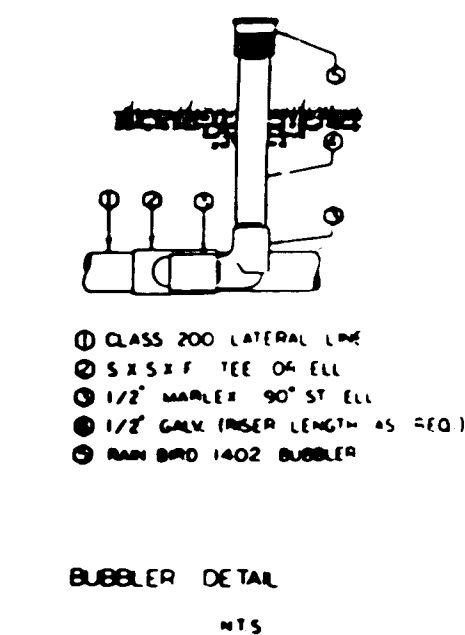
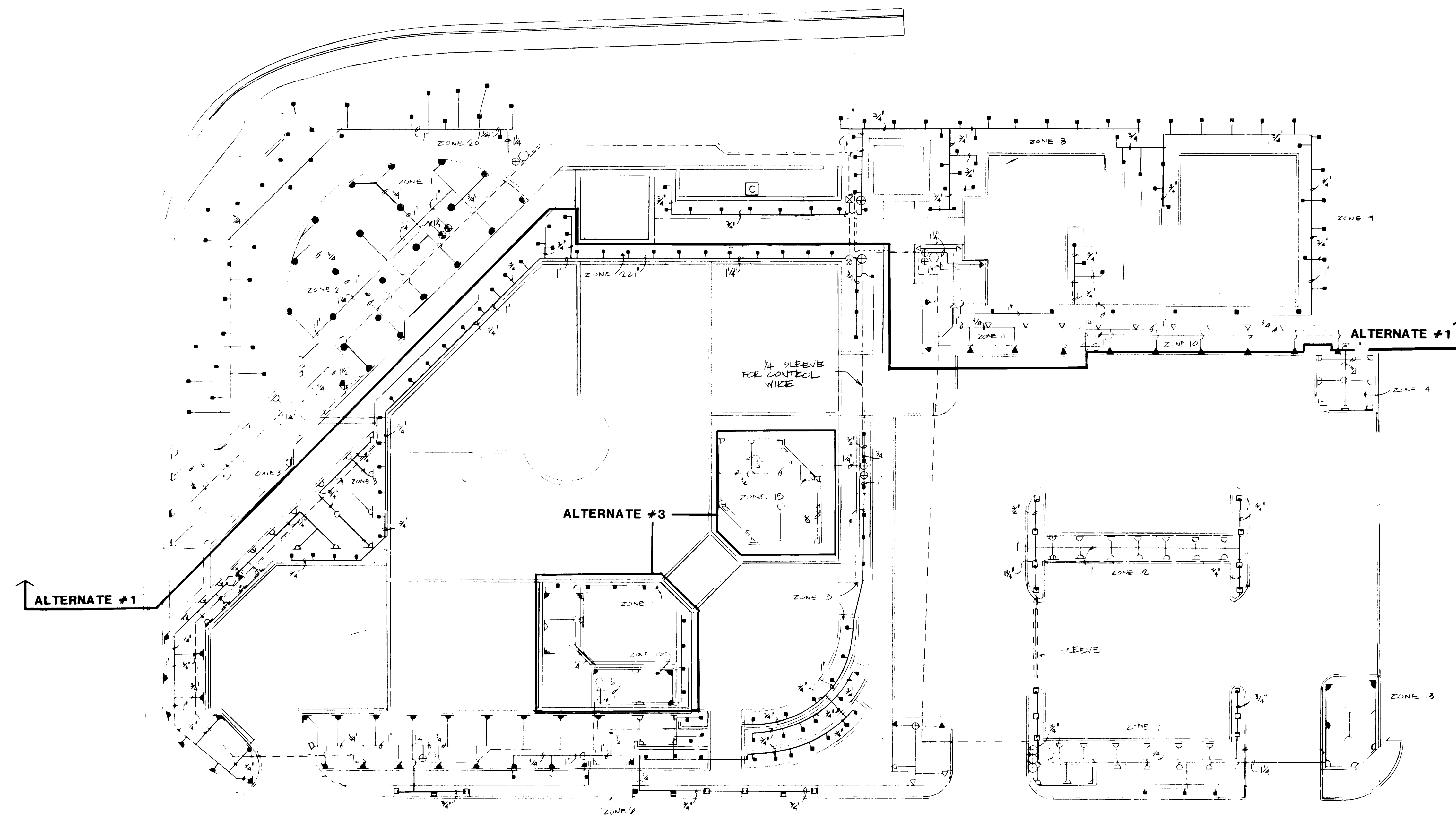
FOOTHILLS BRANCH LIBRARY  
LOMAS AT TRAMWAY BLVD.  
ALBUQUERQUE NEW MEXICO

DATE: 1/2/86  
SHEET: 1/86  
SITE GRADING AND DRAINAGE PLAN  
C2  
4/86

RECORD DRAWING 1986



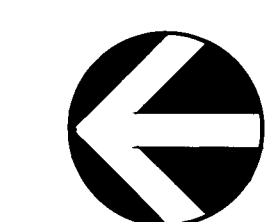




- 1/4\"/>
- RAIN BIRD 1802 POP UP 1/2\"/>
- U ■ RAIN BIRD 1804 POP UP 1/2\"/>
- ▲ RAIN BIRD 1804 POP UP 1/2\"/>
- ▲ RAIN BIRD 1804 POP UP 1/2\"/>
- ▲ RAIN BIRD 1804 POP UP 1/2\"/>
- ▲ RAIN BIRD 1804 POP UP 1/2\"/>
- ▲ RAIN BIRD 1804 POP UP 1/2\"/>
- WM 1\"/>
- WM 1/2\"/>
- ⊗ WM 1/2\"/>
- RAIN BIRD RC-2360AB CONTROLLER W/USB
- ⊗ PEGLERS 1/2\"/>
- PVC CLASS 200 LATERAL LINE (16\"/>
- PVC SCH 40 MAIN LINE (30\"/>
- 1/4\"/>
- 1/4\"/>
- RM22 CONTROLLER

NOTES  
 1) MAIN LINE DRAWN ON SIDEWALK FOR CLARIFICATION ONLY. ACTUAL LOCATION SHALL BE IN LANDSCAPED AREA.  
 2) THIS SYSTEM IS DESIGNED FOR 36 GPM @ 50 PSI. VERIFY IN THE FIELD.

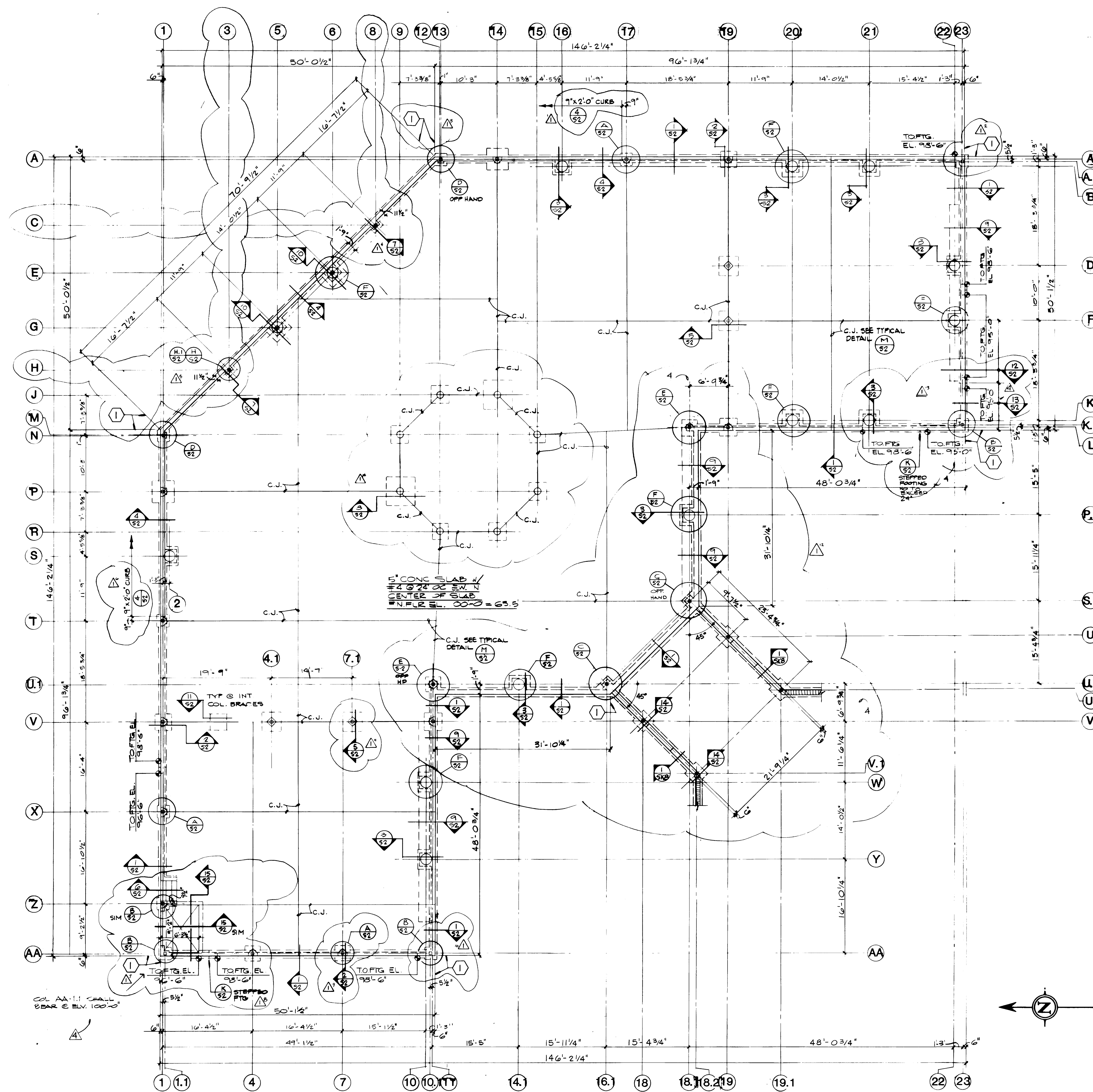
# IRRIGATION PLAN



**RECORD DRAWING**  
 REV. AS BUILT  
 Van H. Gilbert Architect AIA

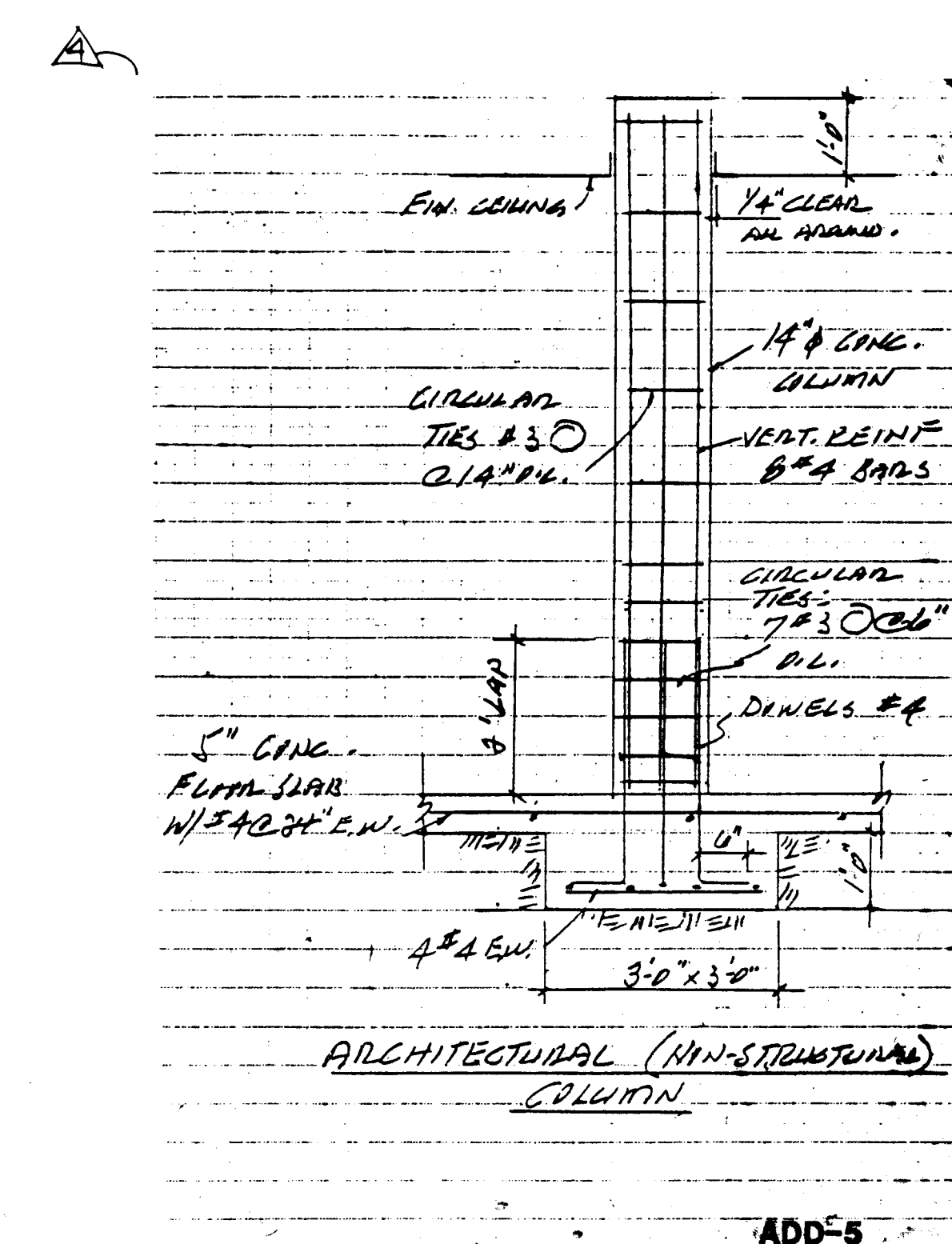
STATE OF NEW YORK  
 JEFFREY ARCHITECTS

Date: 1/2/98 Drawn By: [Signature]



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

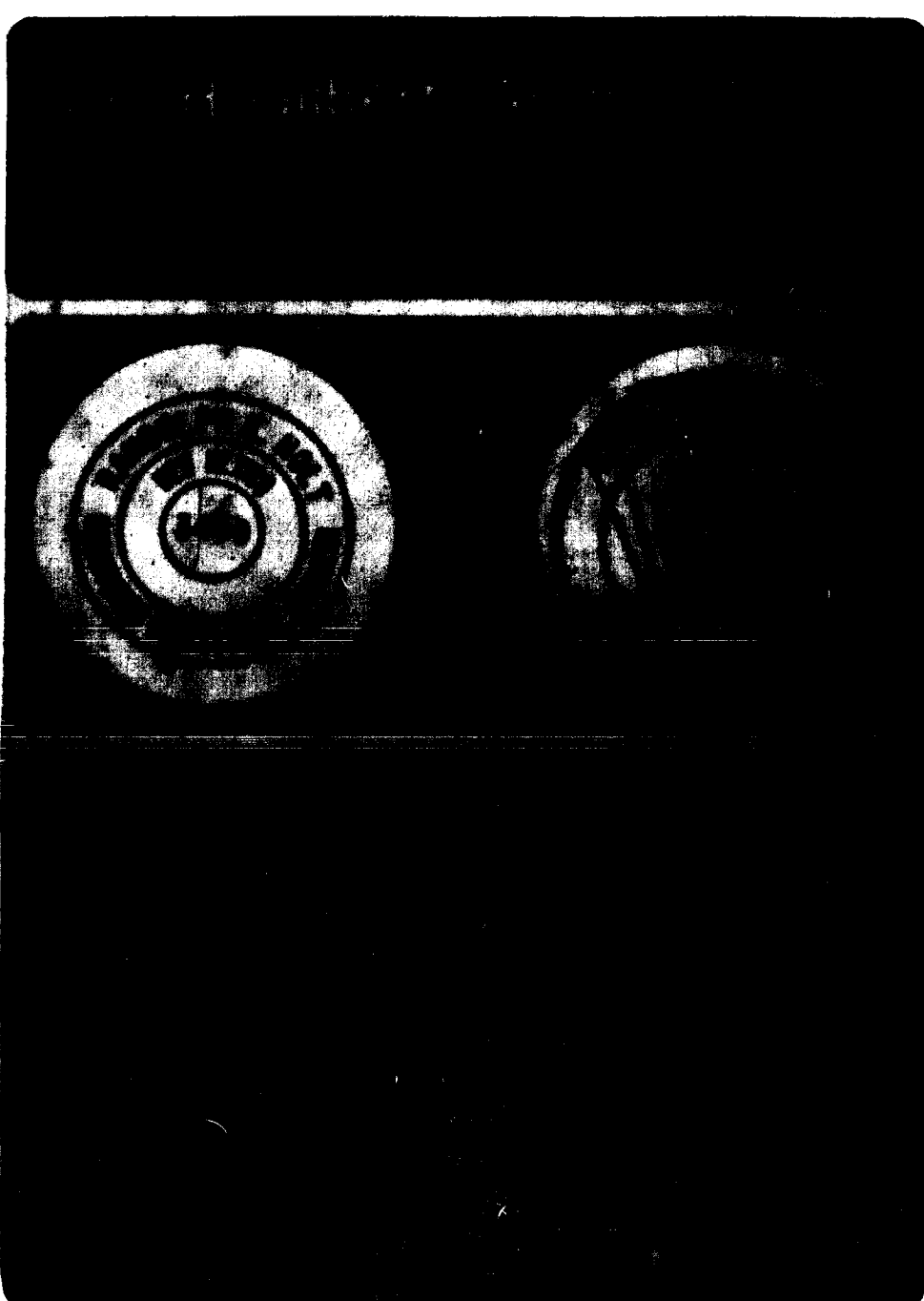
KEYED NOTES:  
① DIMENSIONS ARE TO OUTSIDE FACE OF CONCRETE STEMMALL,  
SEE SECTION ②



**RECORD DRAWING**

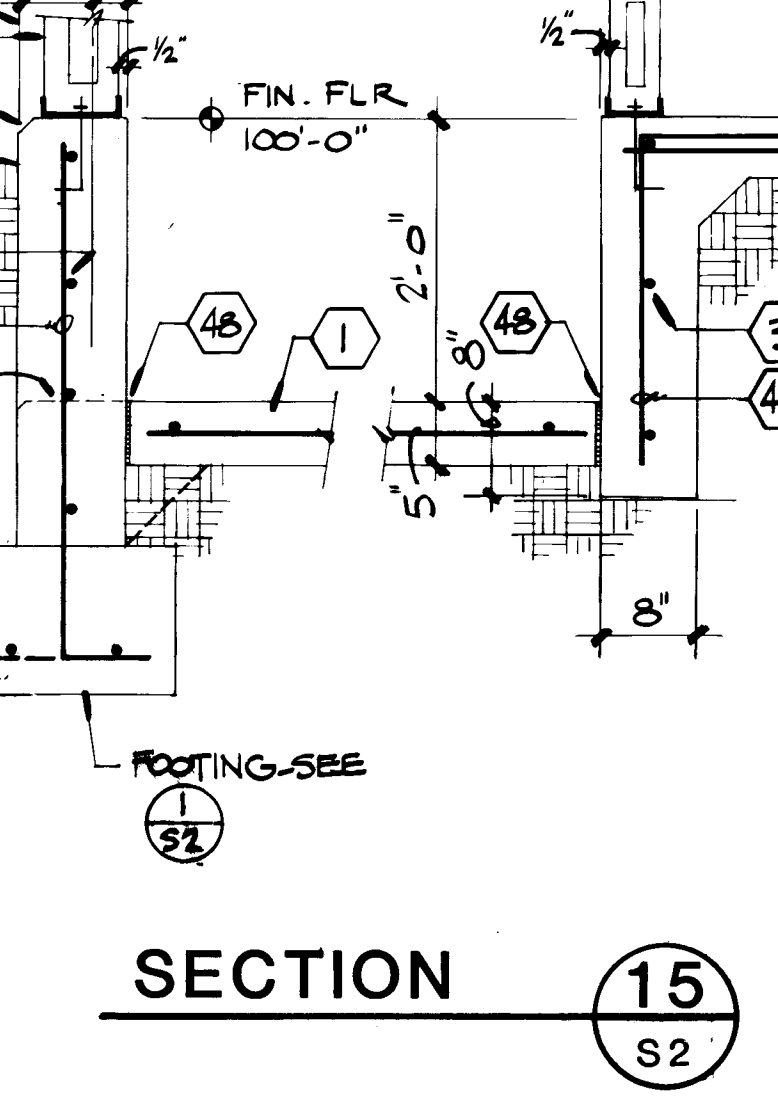
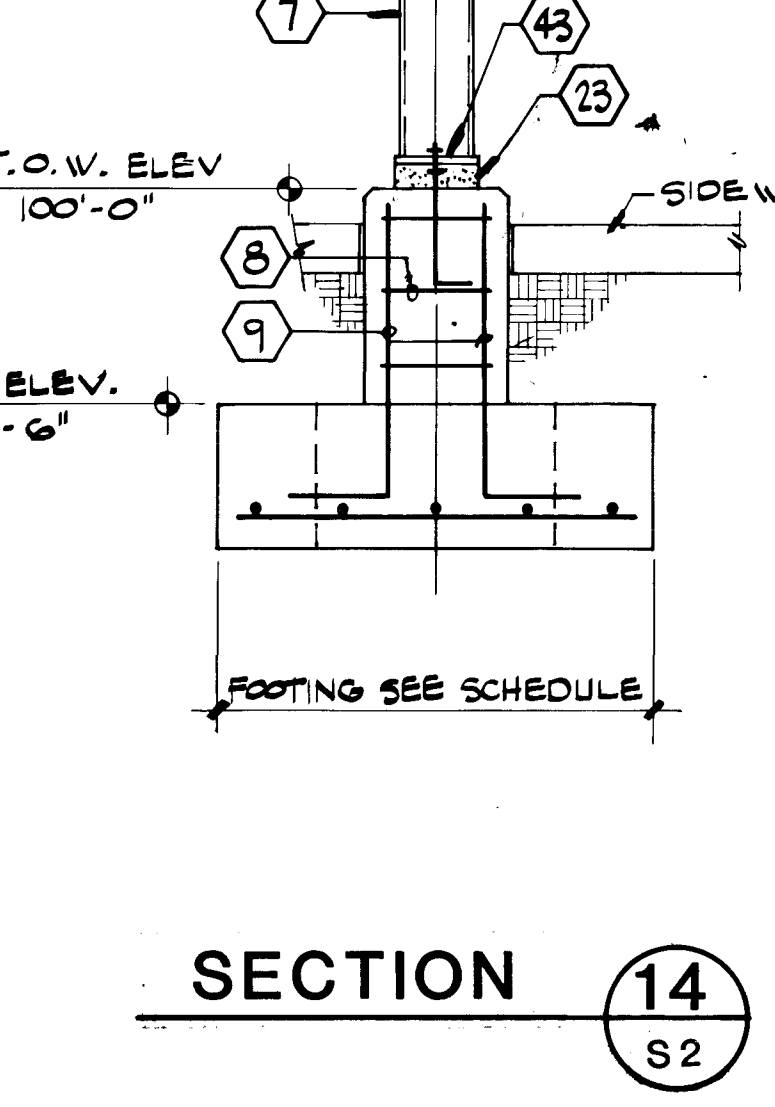
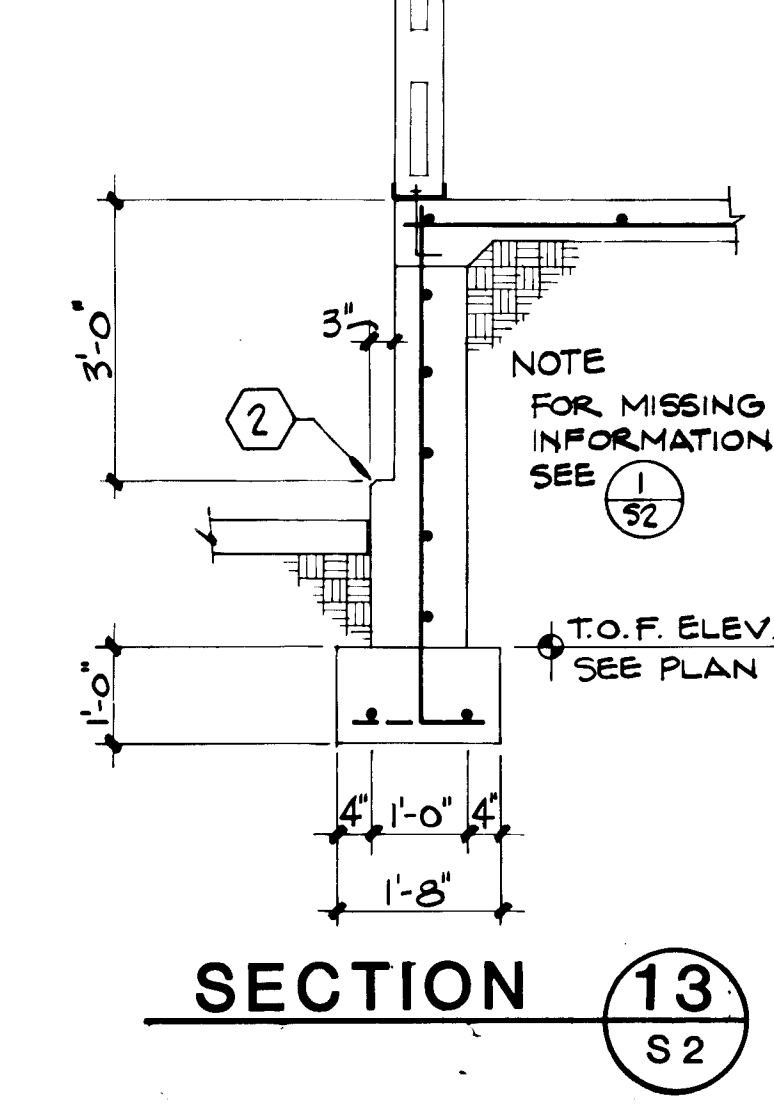
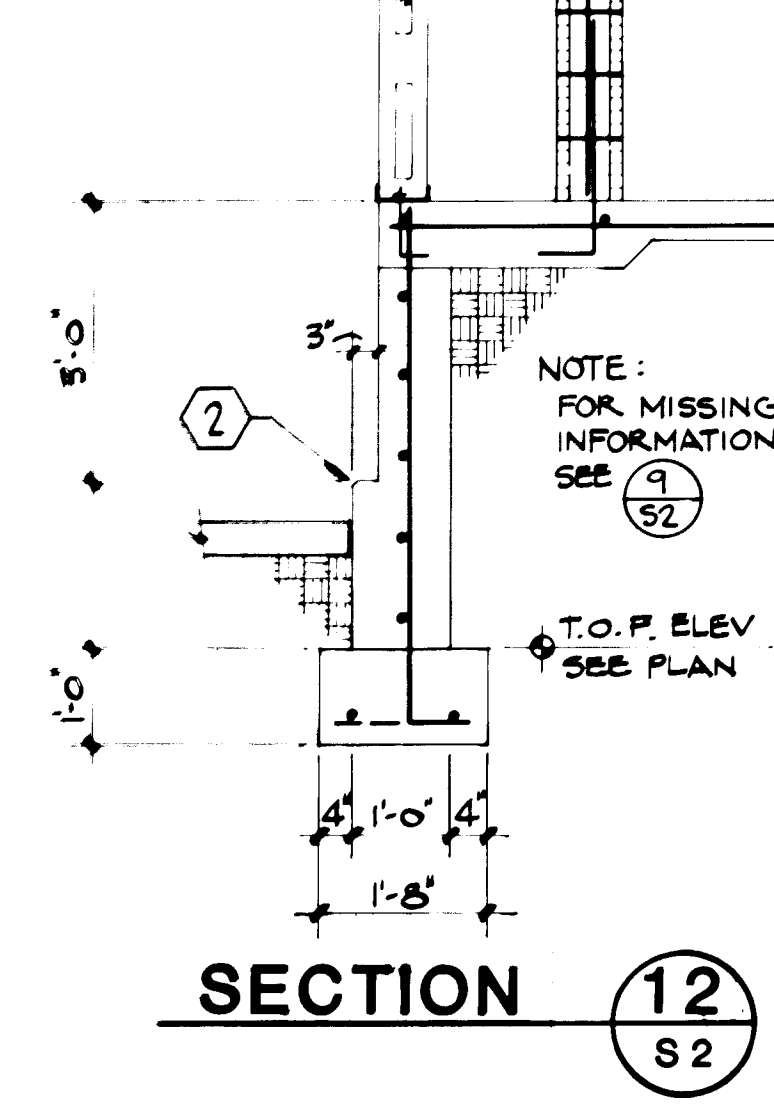
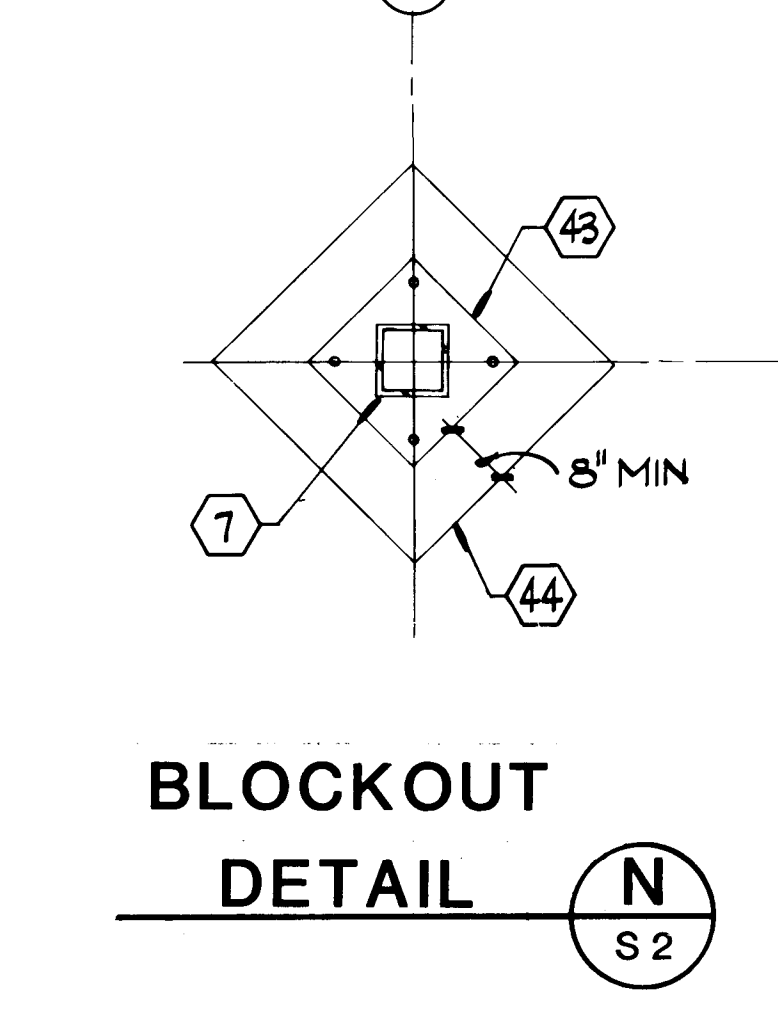
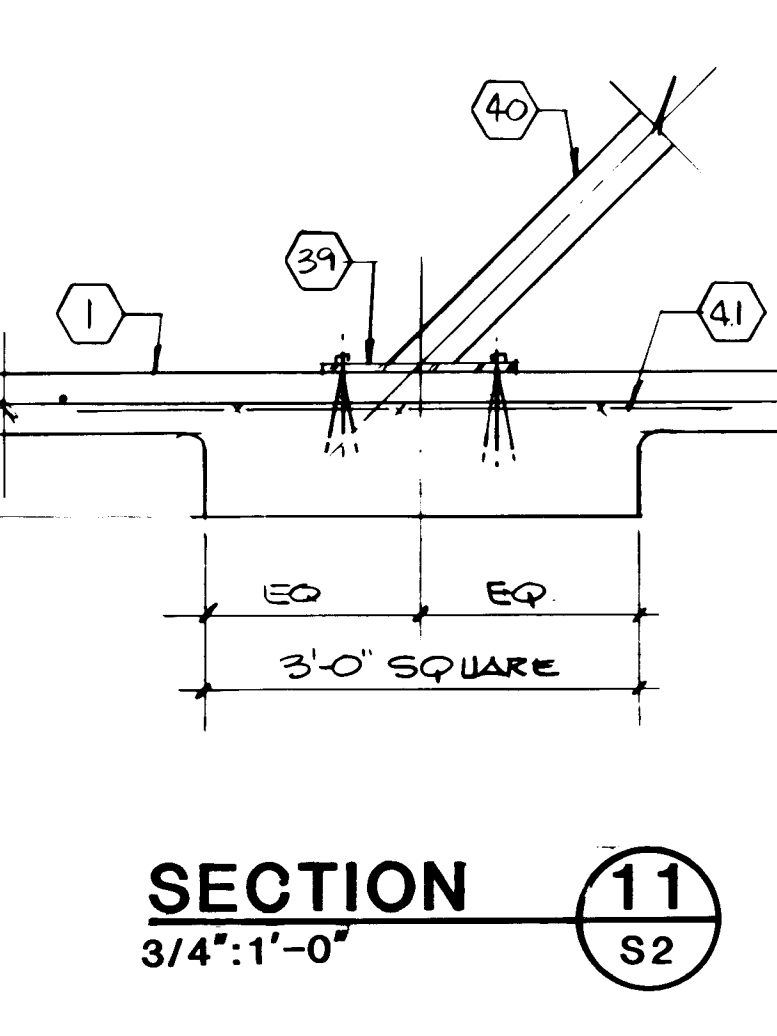
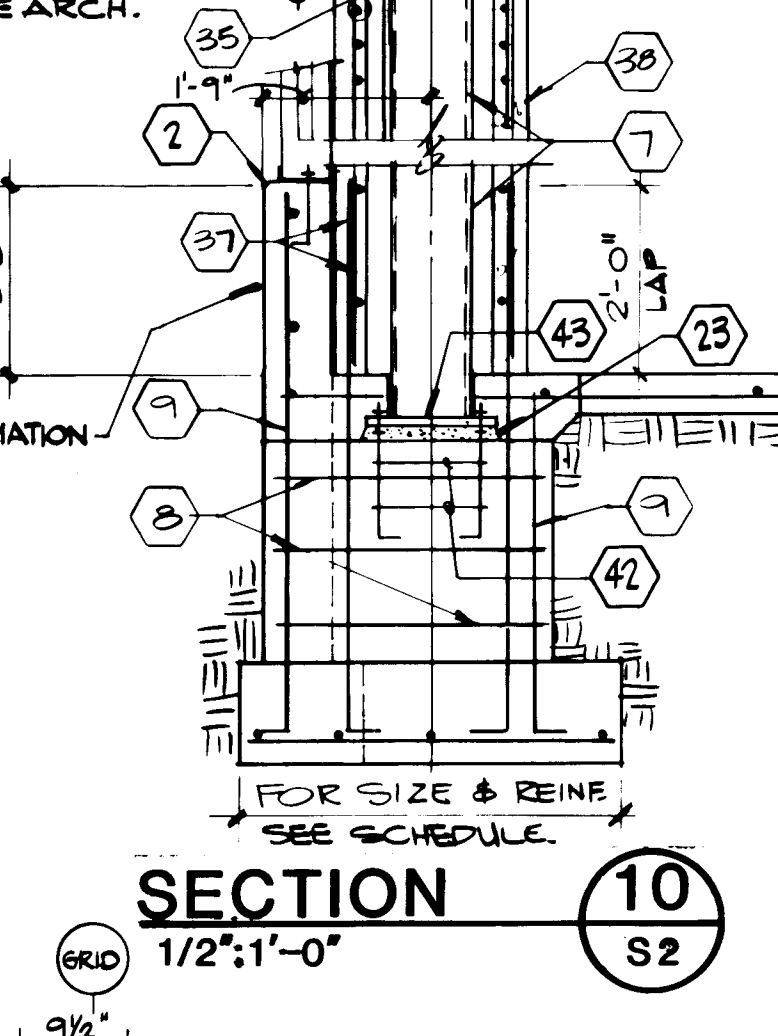
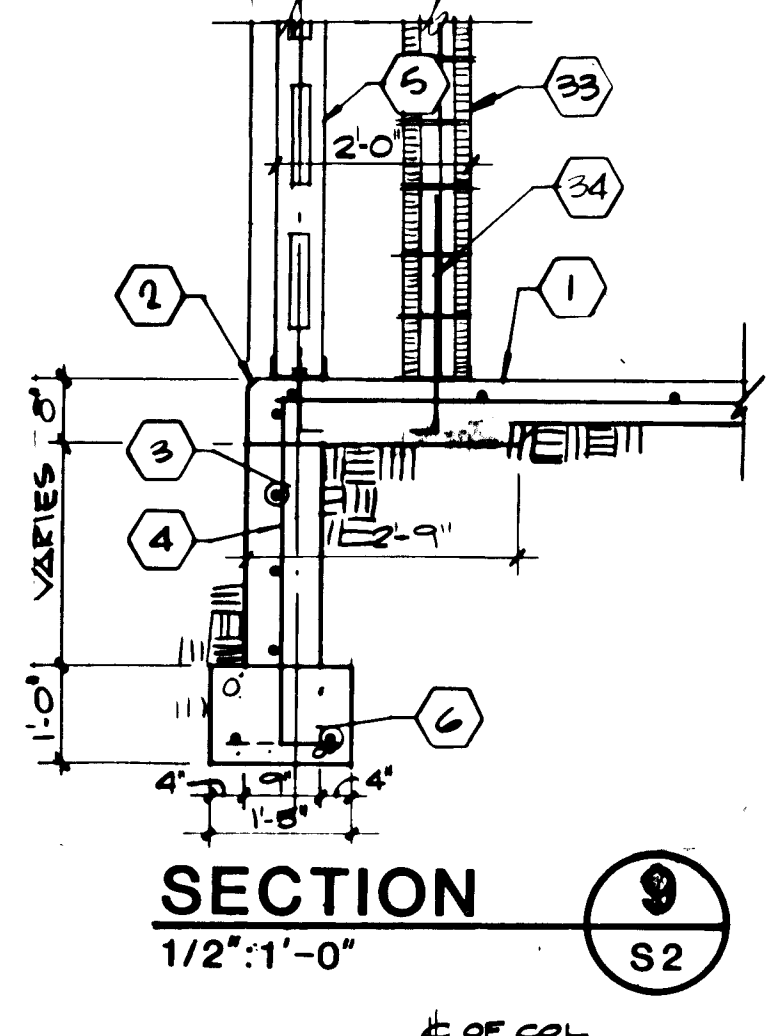
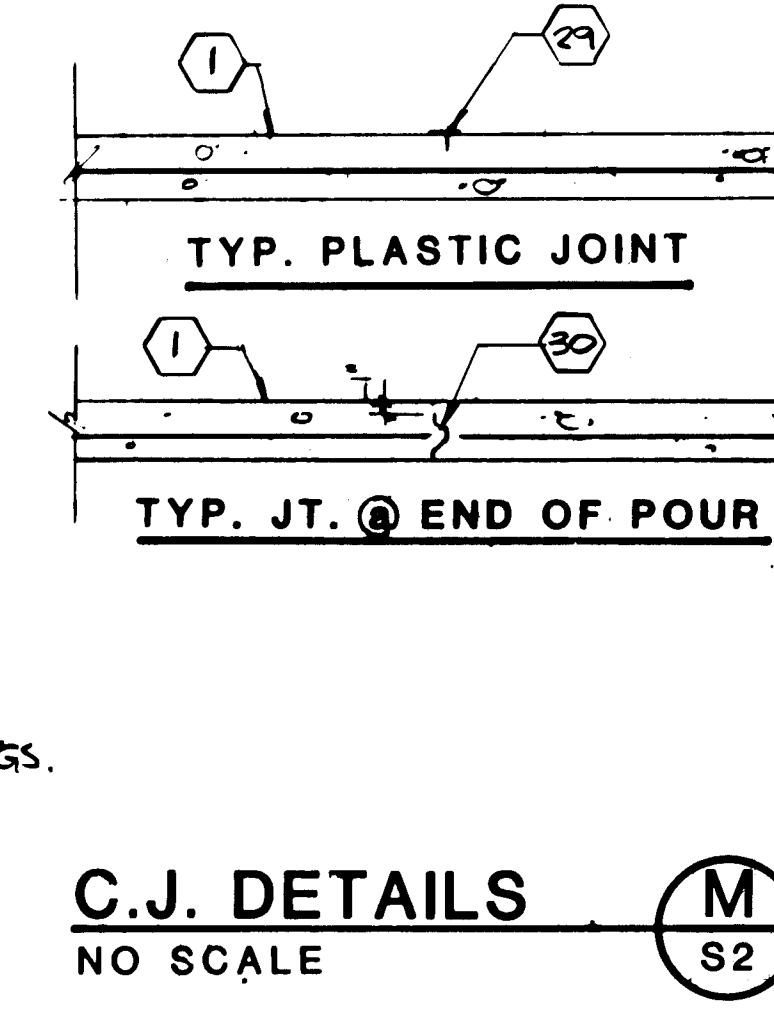
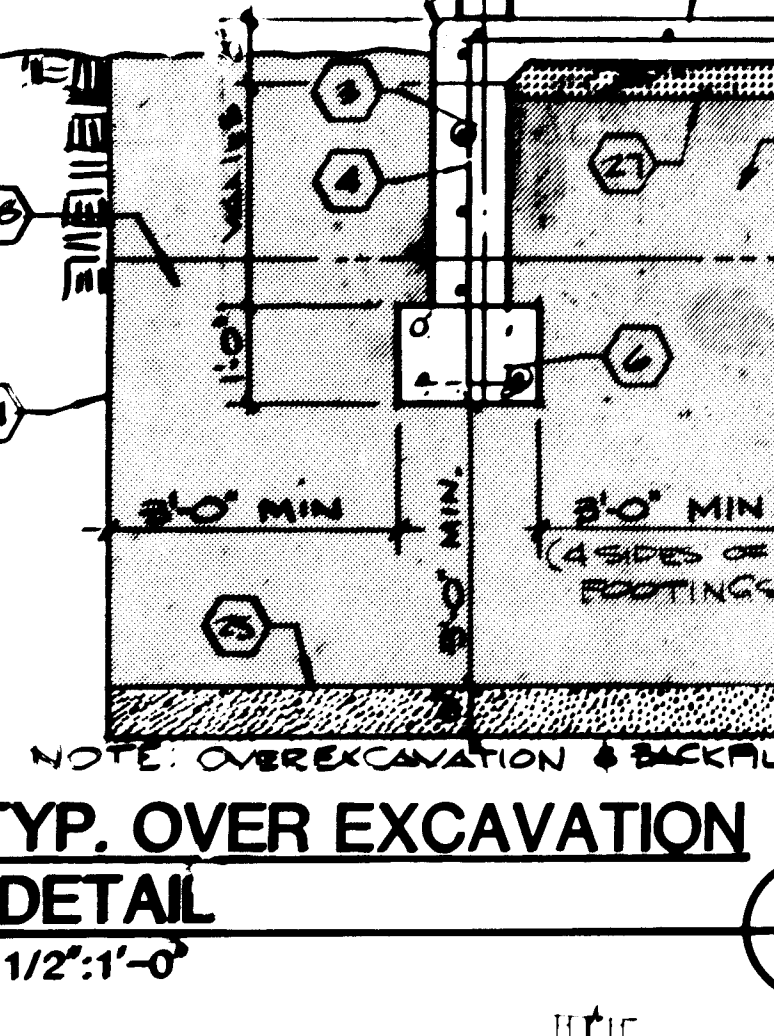
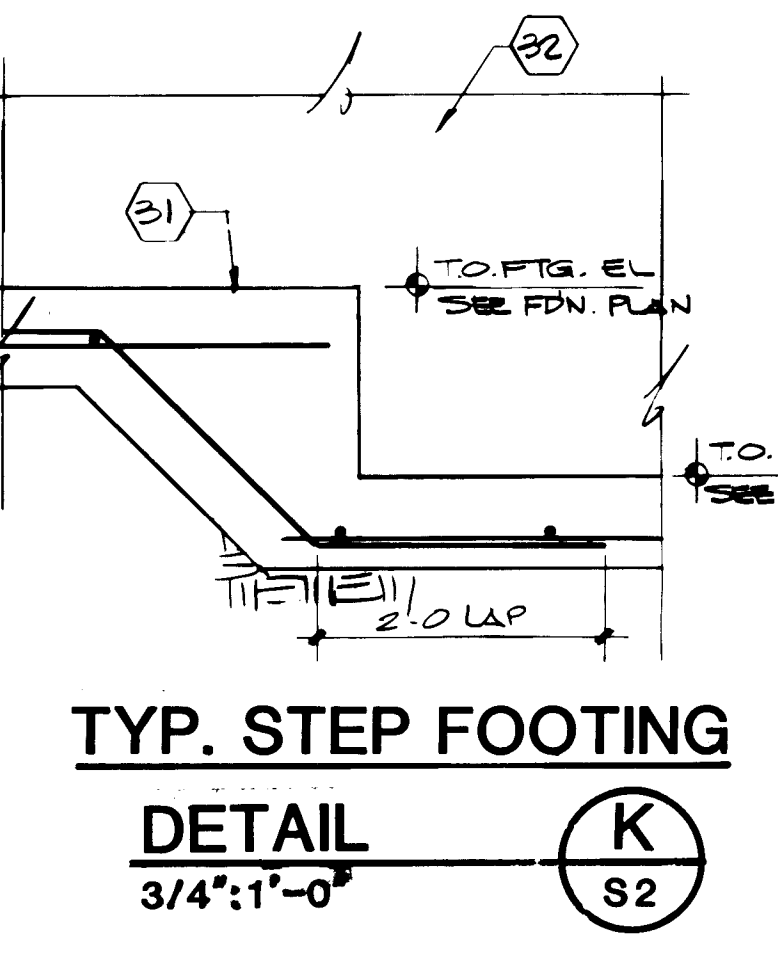
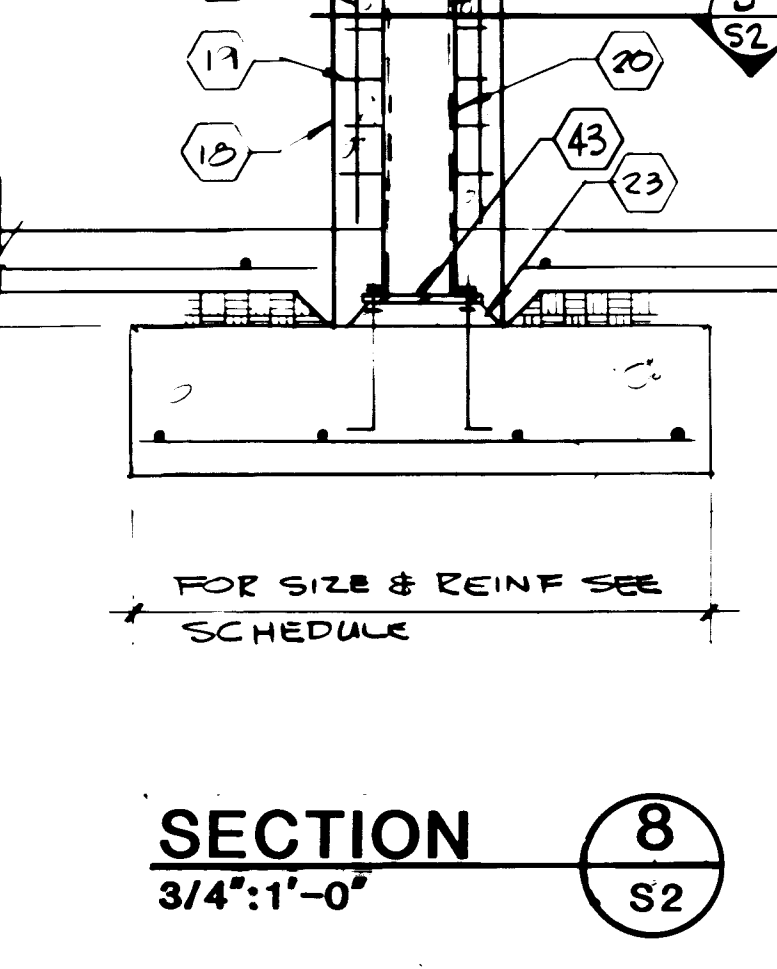
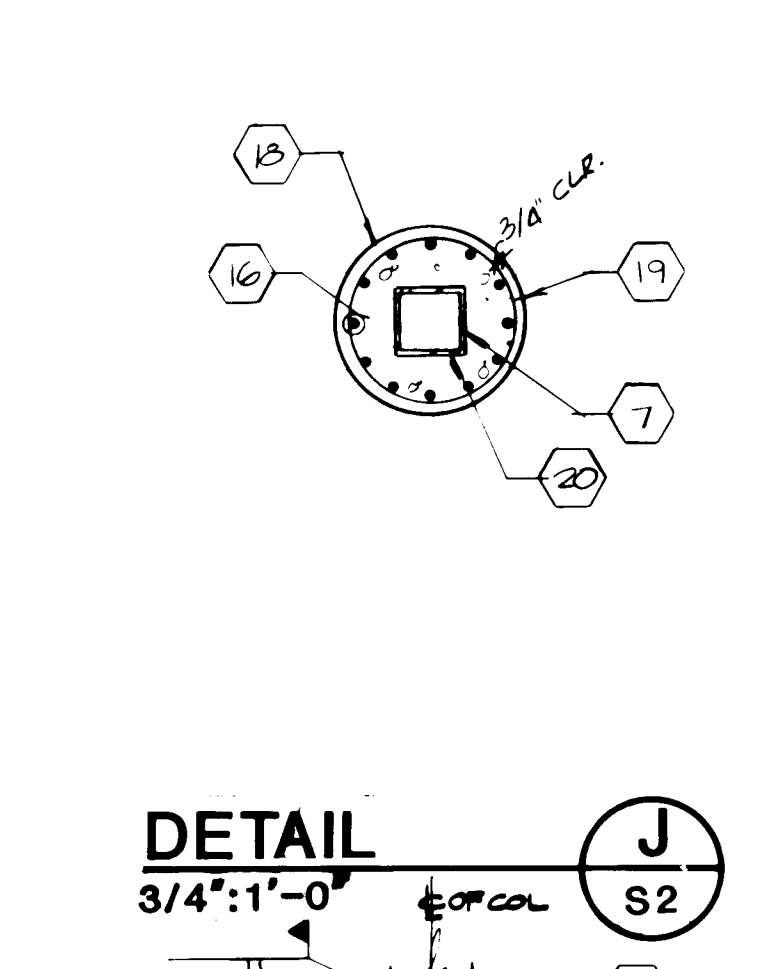
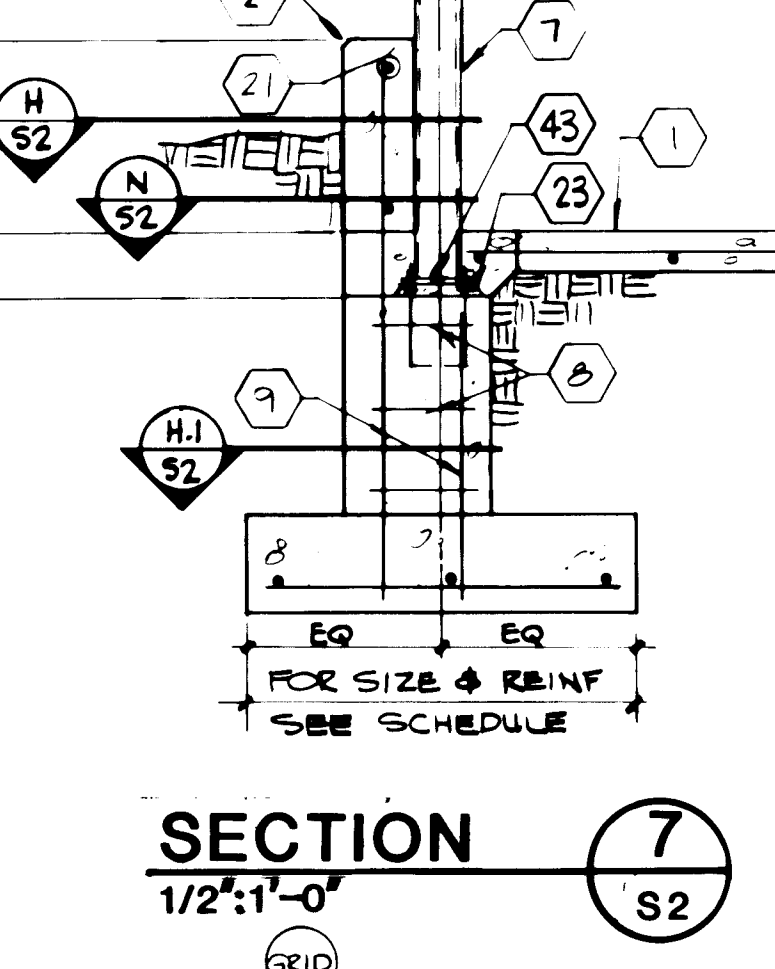
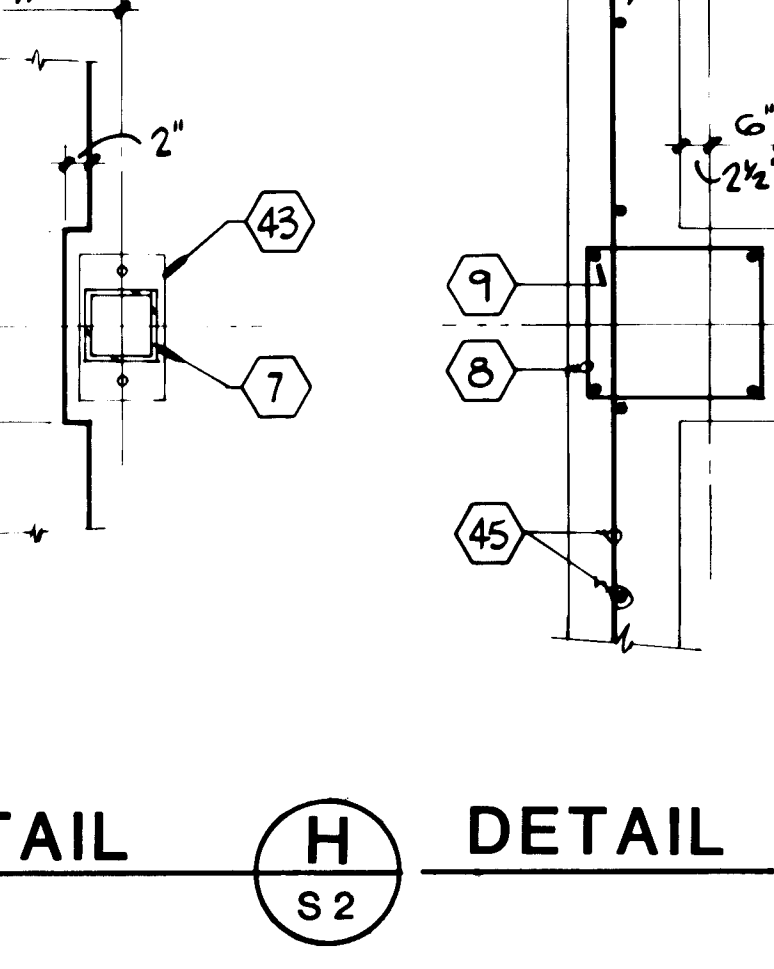
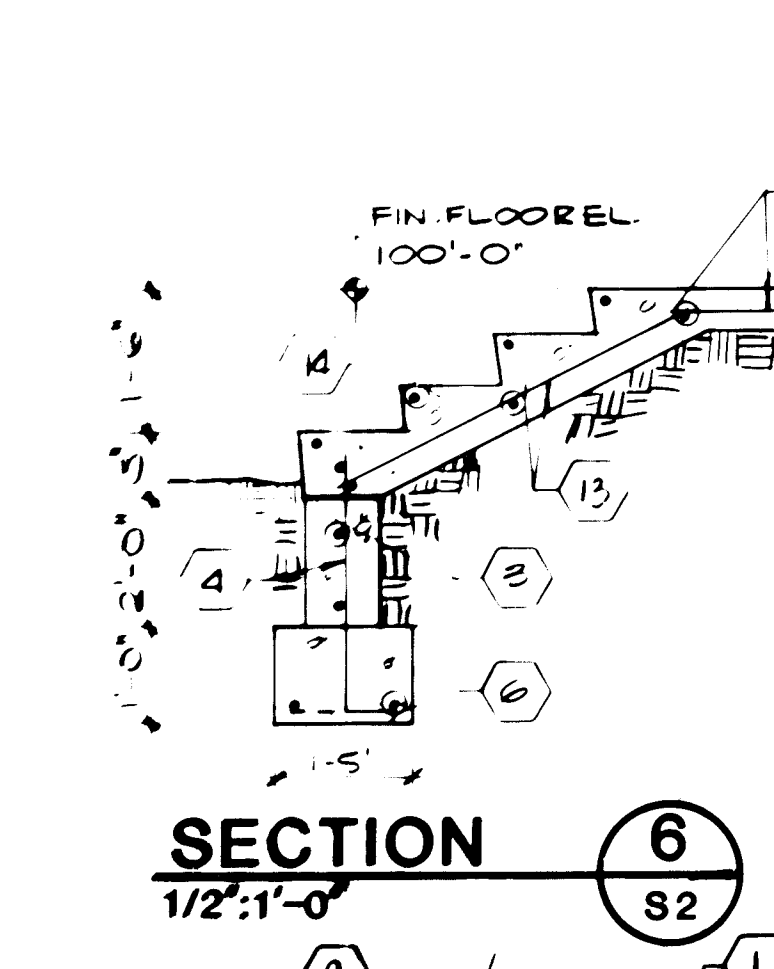
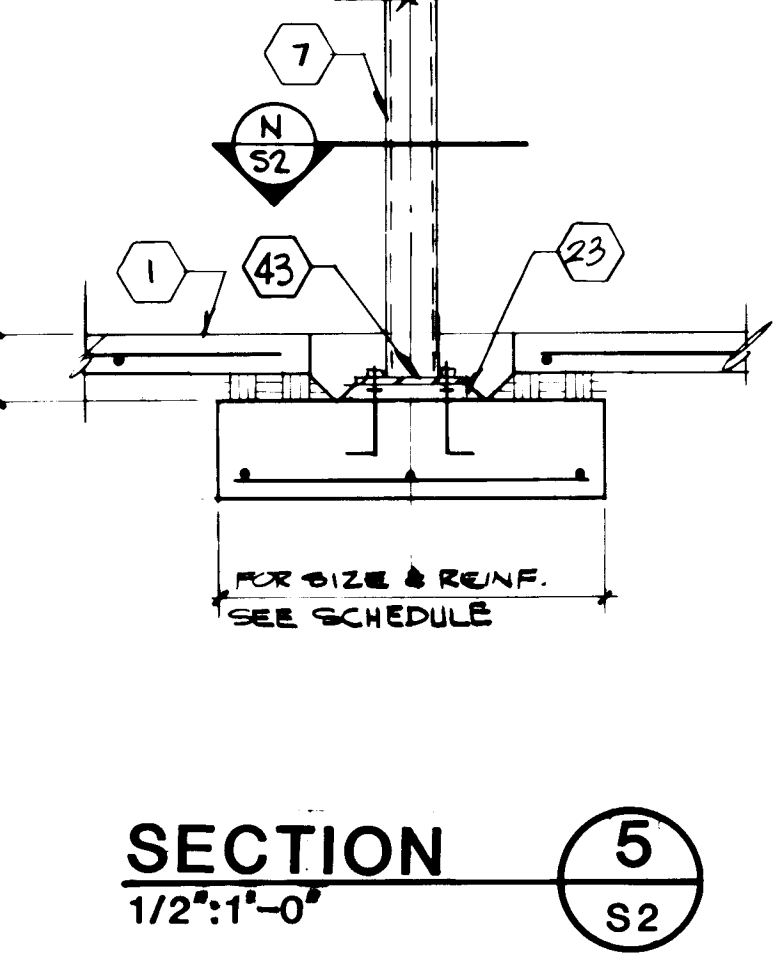
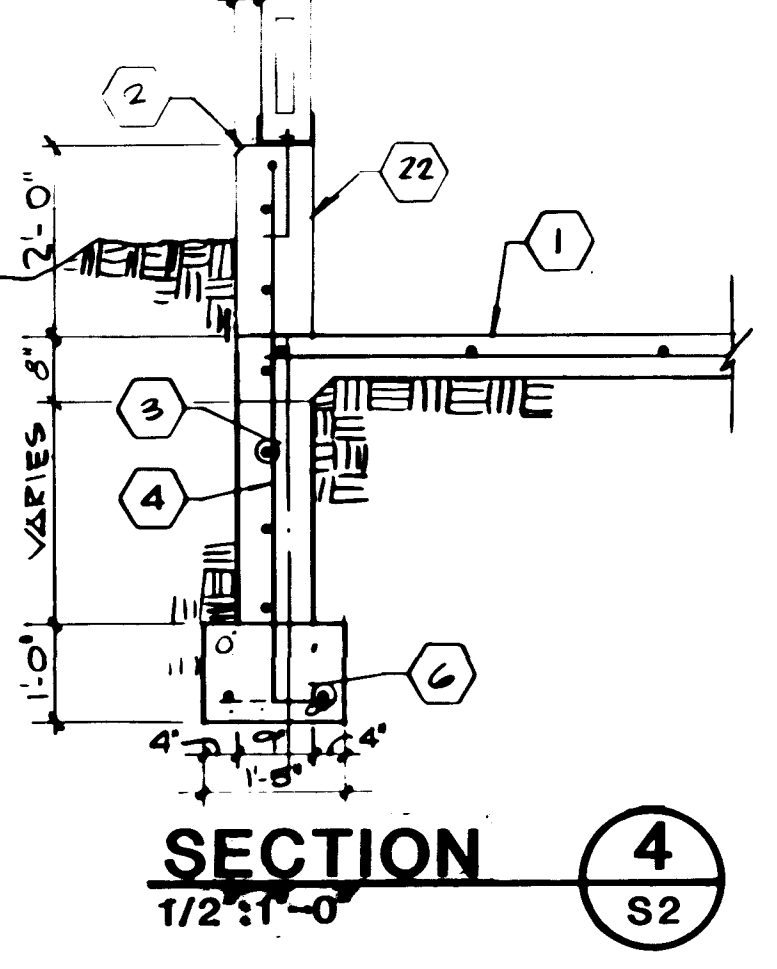
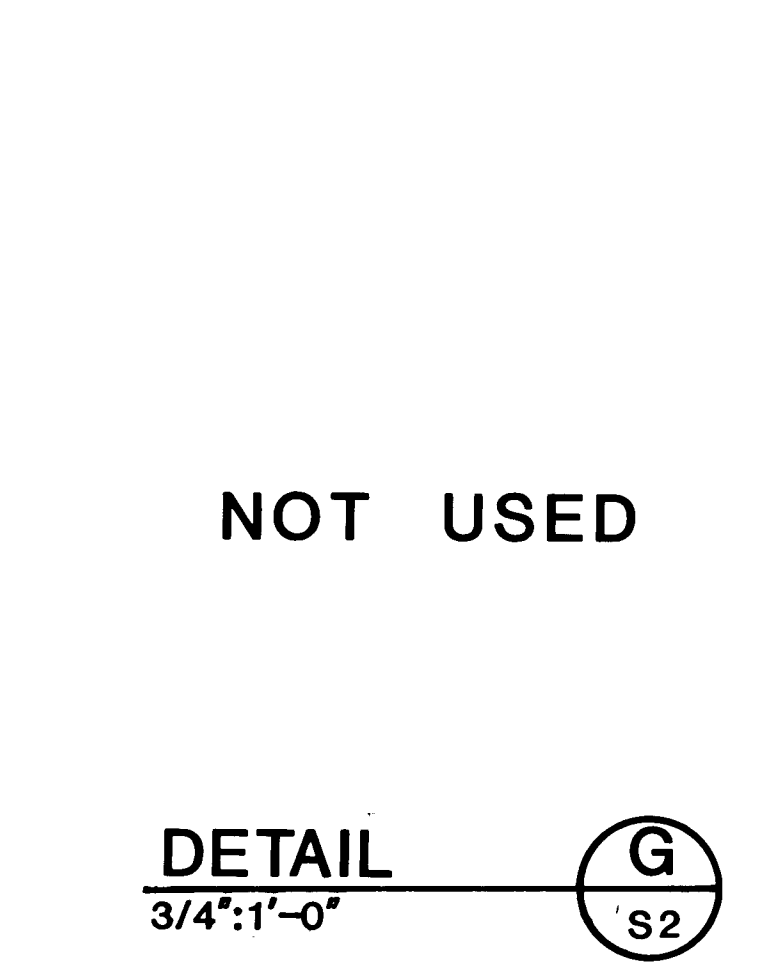
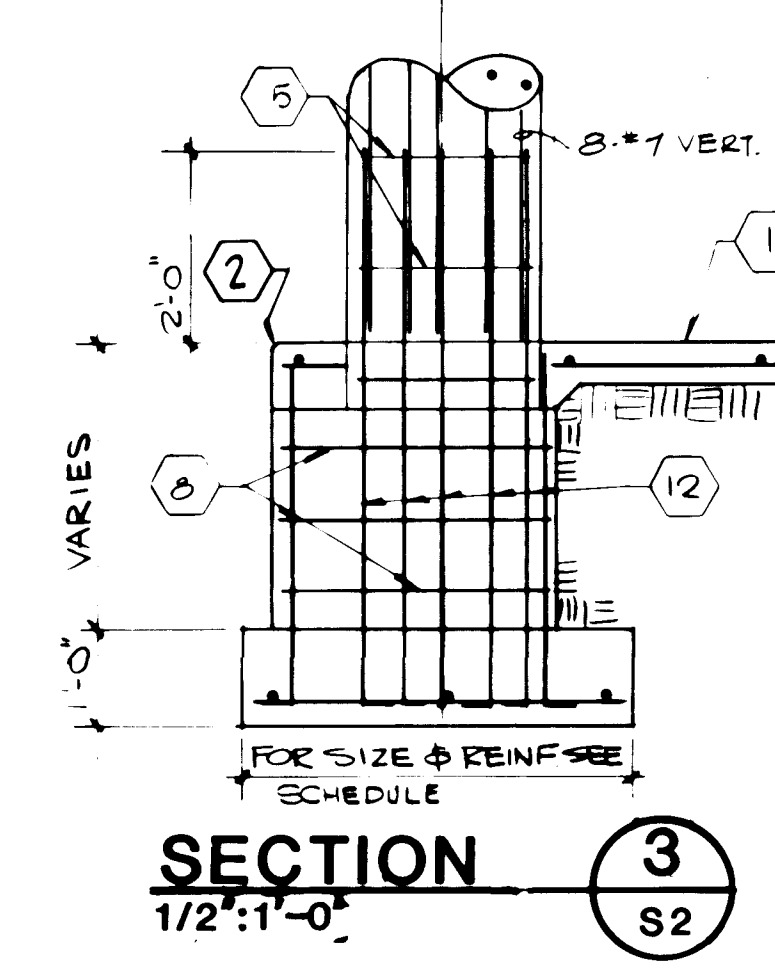
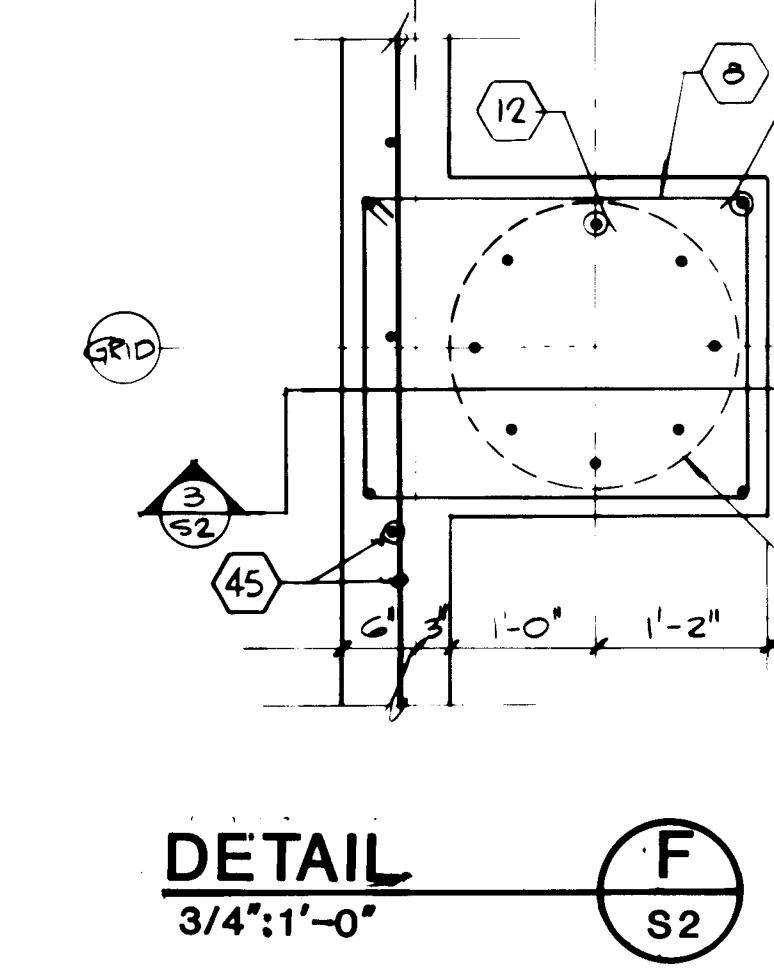
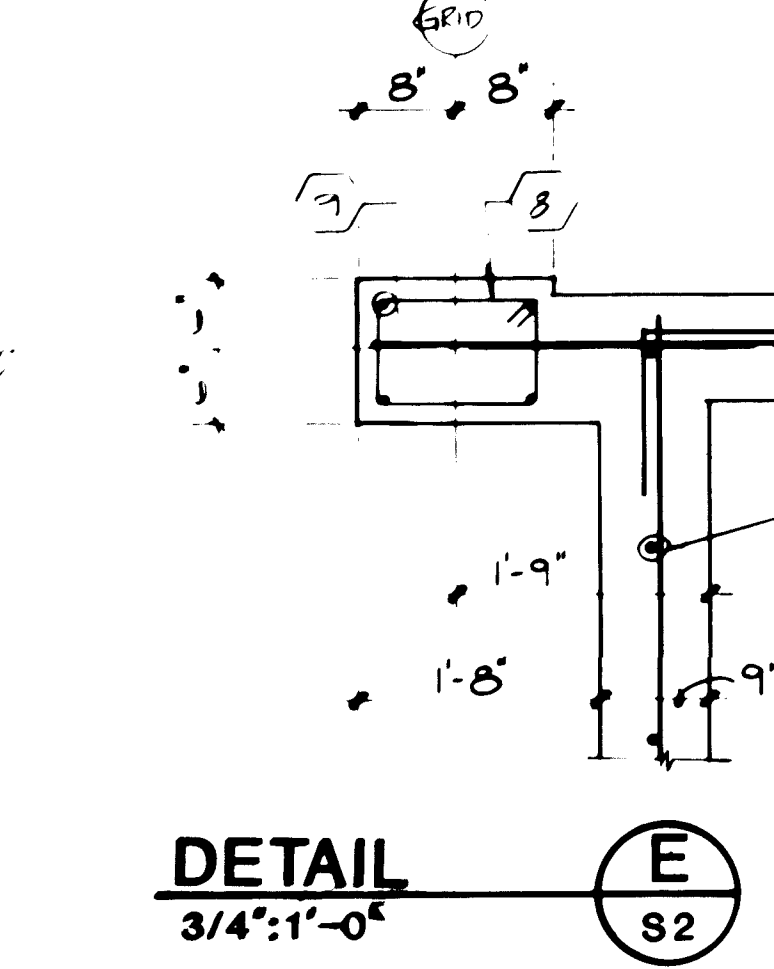
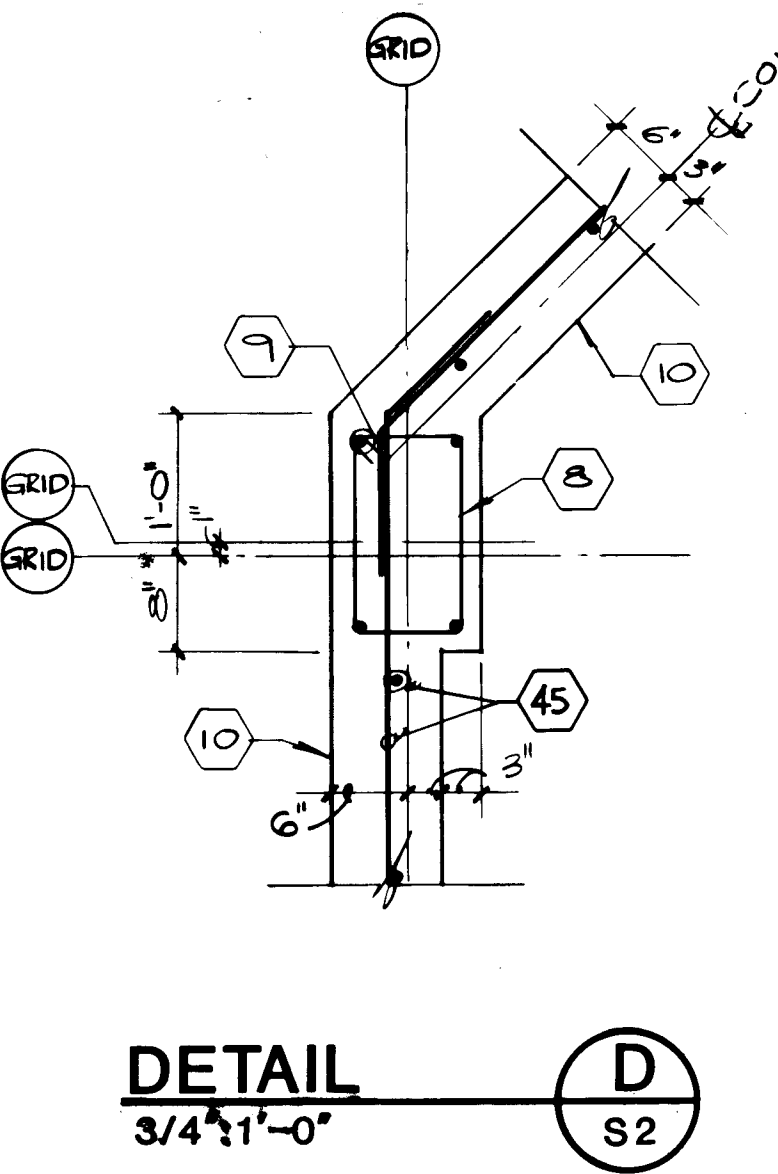
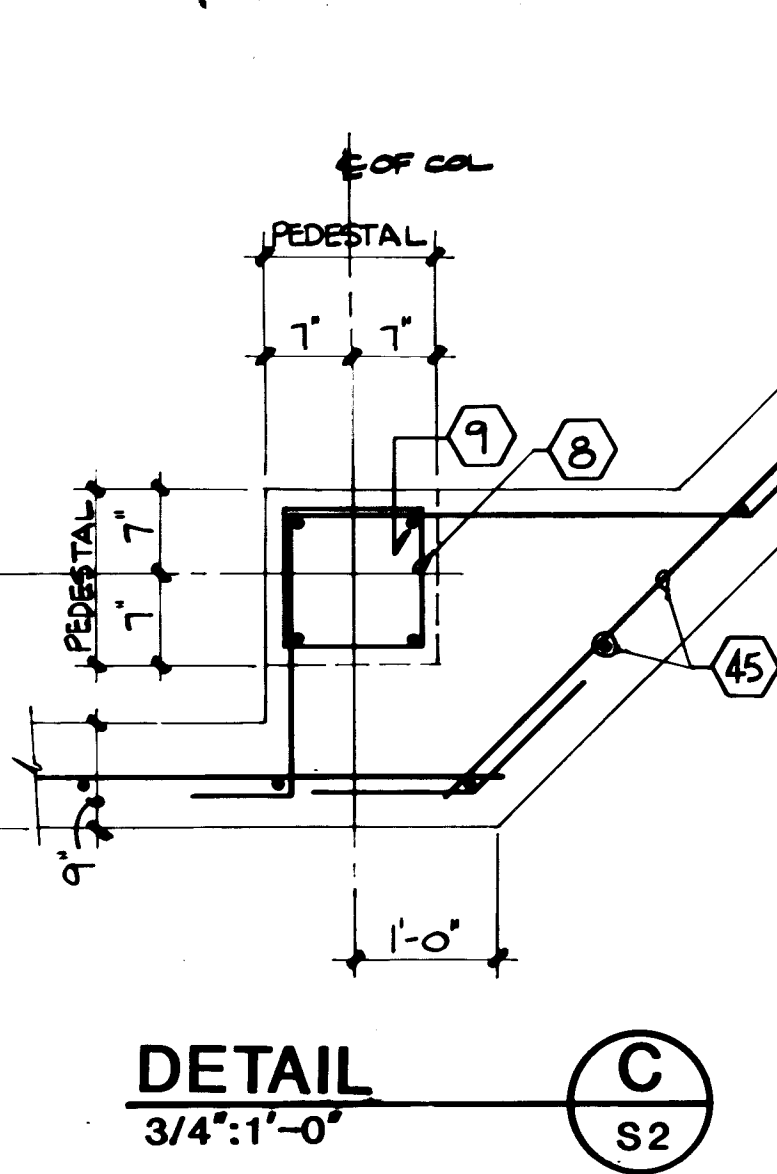
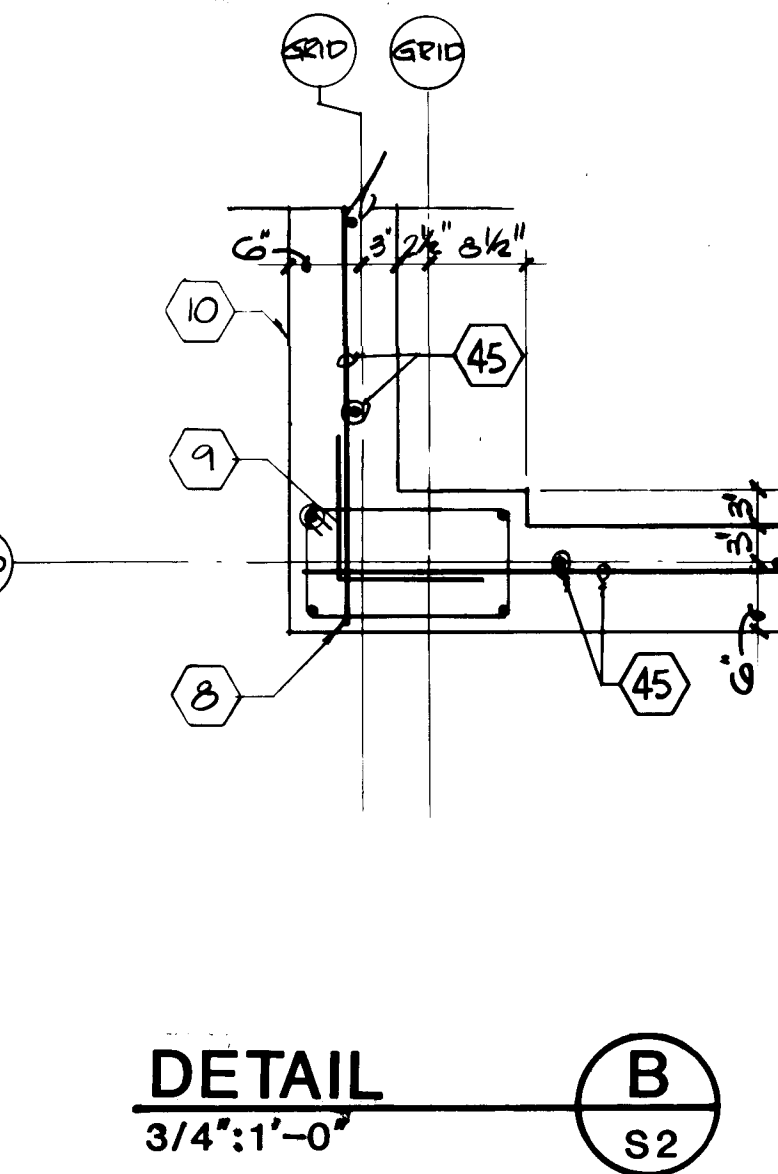
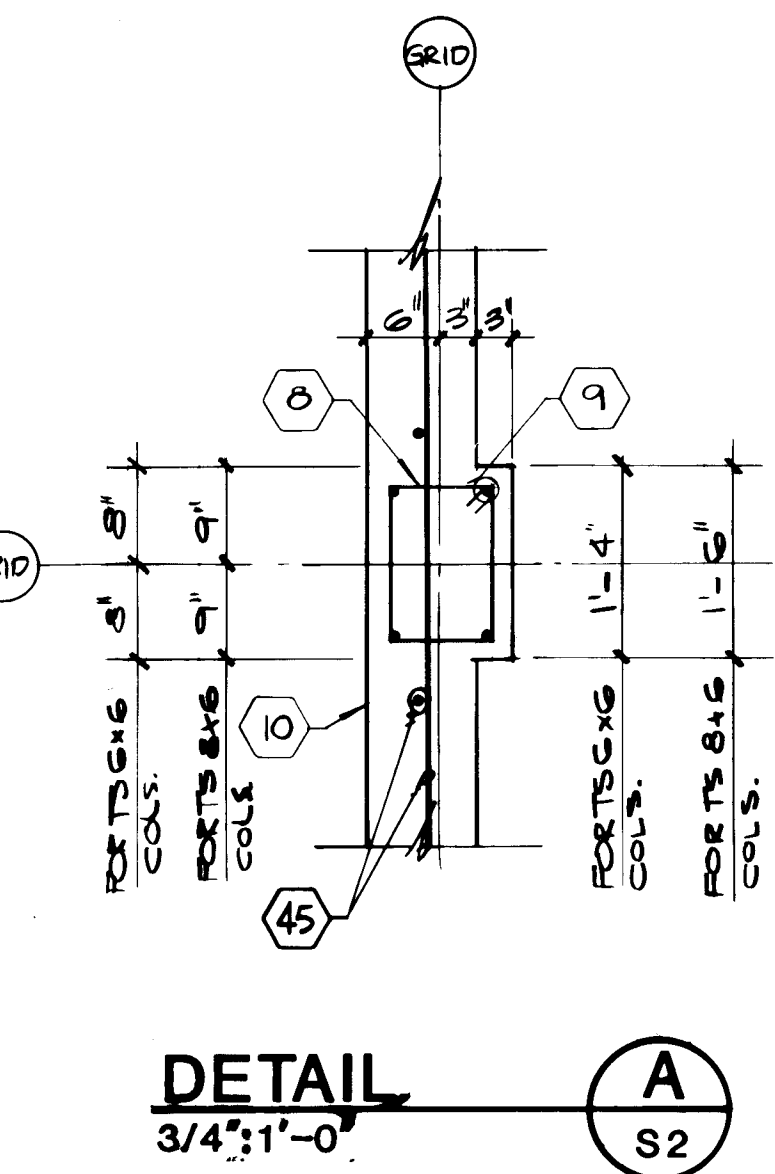
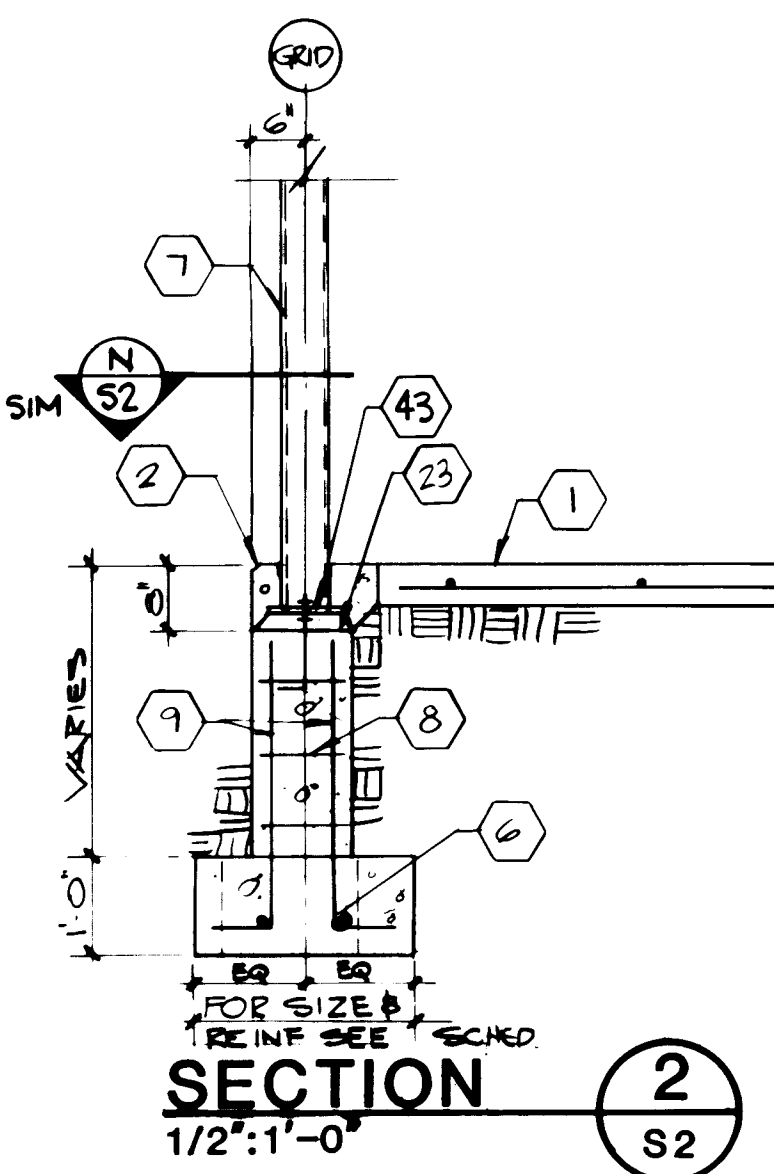
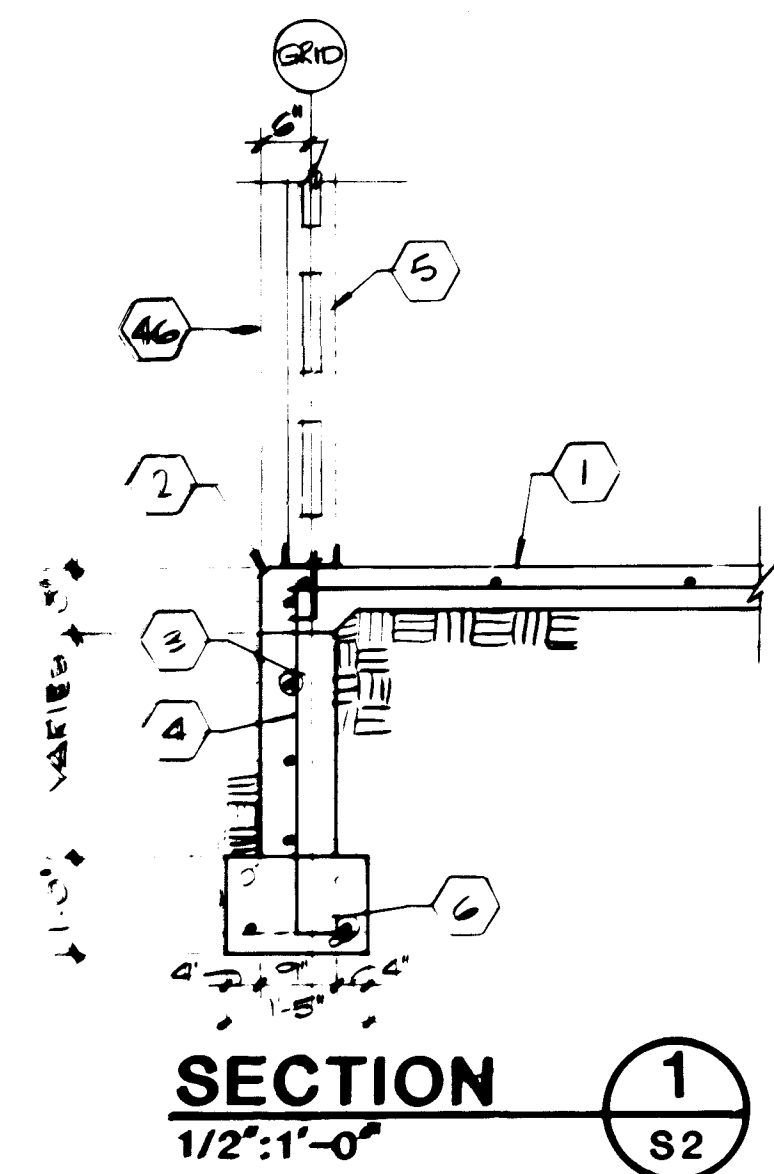
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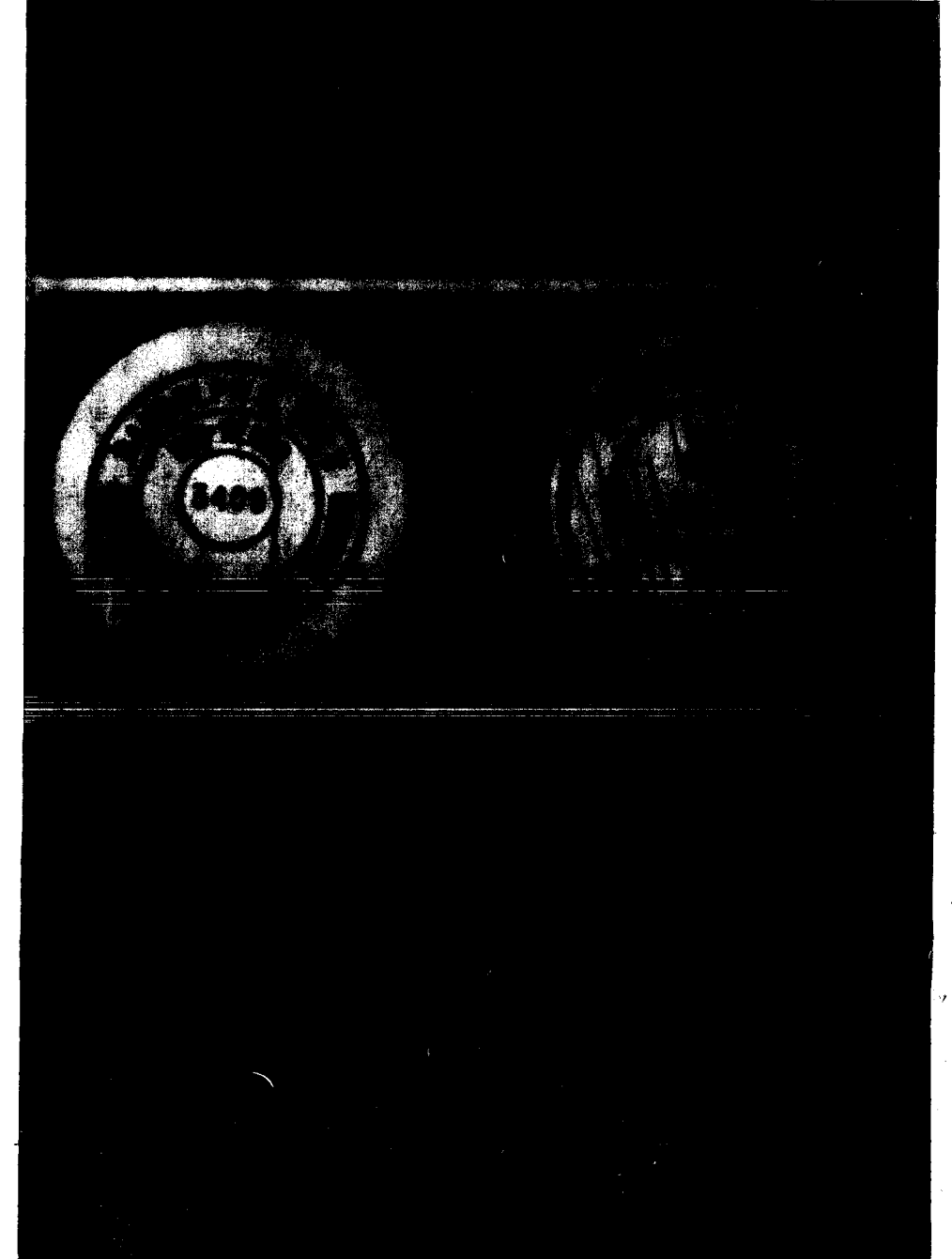
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- REINFORCED CONCRETE SLAB, SEE FOUNDATION PLAN.**
1. CHAMFER.
  2. #4 @ 10" ON CENTER HORIZONTAL.
  3. #4 @ 16" ON CENTER VERTICAL, ALTERNATE HOOK DIRECTION AT FOOTING.
  4. 6" METAL STUD WALL, SEE ARCHITECTURAL.
  5. 2 #5 CONTINUOUS.
  6. TS COLUMN, SEE COLUMN SCHEDULE.
  7. #3 @ 9" ON CENTER (3 MIN.)
  8. 4 #7.
  9. REINFORCED CONCRETE STEM WALL, SEE SECTION 1/52.
  10. REINFORCED CONCRETE COLUMN ABOVE.
  11. #7 VERTICAL.
  12. #4 @ 24" ON CENTER.
  13. #5 EACH NOSING.
  14. #3 TIES @ 14" ON CENTER.
  15. 12 #3 VERTICAL.
  16. 24" REINFORCED CONCRETE COLUMN.
  17. 14" CONCRETE COLUMN.
  18. #2 TIES @ 4" ON CENTER.
  19. COAT CONTACT SURFACE WITH EMULSIFIED ASPHALT.
  20. #4 @ 10" ON CENTER.
  21. 9" CURB WALL.
  22. 2" GROUT.
  23. MINIMUM LINE OF EXCAVATION.
  24. SCARIFY 8" MINIMUM & COMPACT TO 90% (MIN.) OF MODIFIED PROCTOR DENSITY. (ASTM - D-1557).
  25. SEE NOTE 25 PLUS PROOF ROLL WITH A 10 TON (MIN) VIBRATORY ROLLER MAKING A MINIMUM OF 10 PASSES EACH IN TWO PERPENDICULAR DIRECTIONS WITH A 25% OVERLAP OF ROLLER WIDTH ON EACH PASS.
  26. 4" MINIMUM SELECT FILL COMPACTED TO 90% (MIN.) OF MODIFIED PROCTOR DENSITY (ASTM D-1557) UNDER ALL FLOOR SLABS.
  27. BACKFILL COMPACTED TO 95% (MIN.) OF MODIFIED PROCTOR DENSITY (ASTM D-1557).
  28. PLASTIC TEE CONTROL JOINT SET IN TOOLED JOINT IN WET CONCRETE.
  29. 22 GAGE GALVANIZED KEY JOINT.
  30. CONTINUOUS FOOTING.
  31. CONCRETE STEM WALL.
  32. 8" CMU TROMBE WALL WITH #5 @ 48" ON CENTER VERTICAL AND KOBBS WITH 2 #5 CONTINUOUS @ 48" ON CENTER HORIZONTAL. GROUT ALL CELLS.
  33. #5 DOWELS @ 48" ON CENTER.
  34. #3 TIES, 3 @ 4" @ TOP AND BALANCE AT 14" ON CENTER.
  35. 4 - #5 DOWELS @ 24" WELD TO STEEL COLUMN & IMBED INTO CONCRETE ENCASUREMENT.
  36. 8 #5 VERTICAL & 8 #5 DOWELS.
  37. 4.2" THICK, 24" OUTSIDE DIAMETER, CONCRETE COLUMN ENCASUREMENT.
  38. PLATE 1 1/8"x4"x1/4" WITH 2 - 3/4"x9 x 10" WEJ-ITS.
  39. COLUMN BRACE, SEE SCHEDULE.
  40. 6x6 W2.9 x W2.9 x 5'-0" SQ.
  41. #4 AT 10" ON CENTER HORIZONTAL.
  42. BASE PLATE AND ANCHOR BOLTS. SEE SCHEDULE. PROVIDE LEVELING NUTS ON ANCHOR BOLTS.
  43. EDGE OF BLOCKOUT.
  44. STEM WALL REINFORCING.
  45. OUTSIDE FACE OF CONCRETE STEMWALL.
  46. #4 DOWELS AT 10" ON CENTER (SEE PLAN)
  47. BOND BREAKER.

**RECORD DRAWING**

ENTIRE SHEET HAS BEEN REVISED 4-25-86

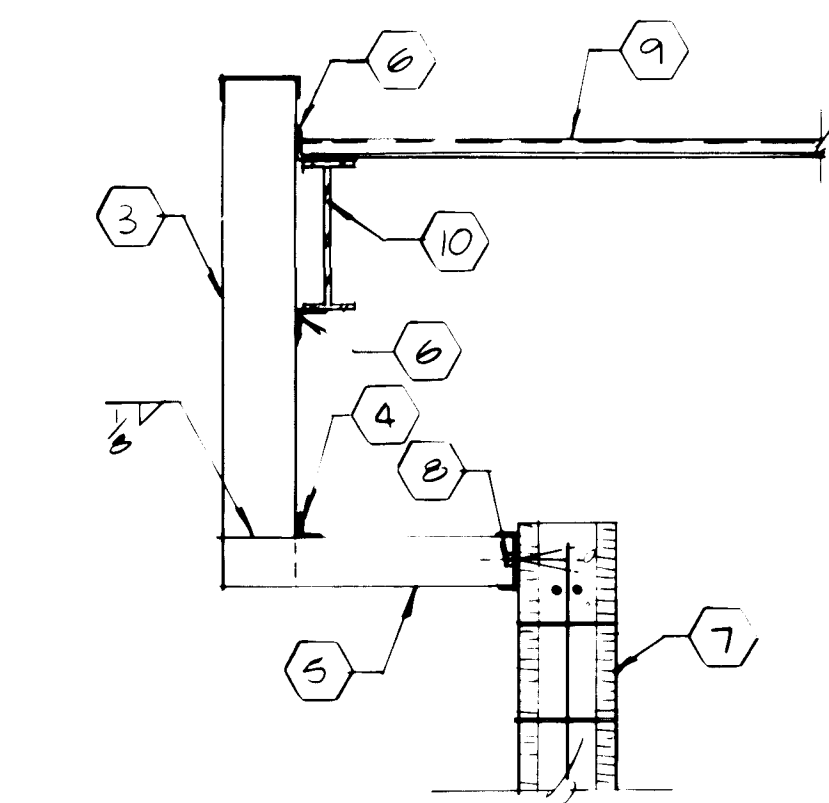


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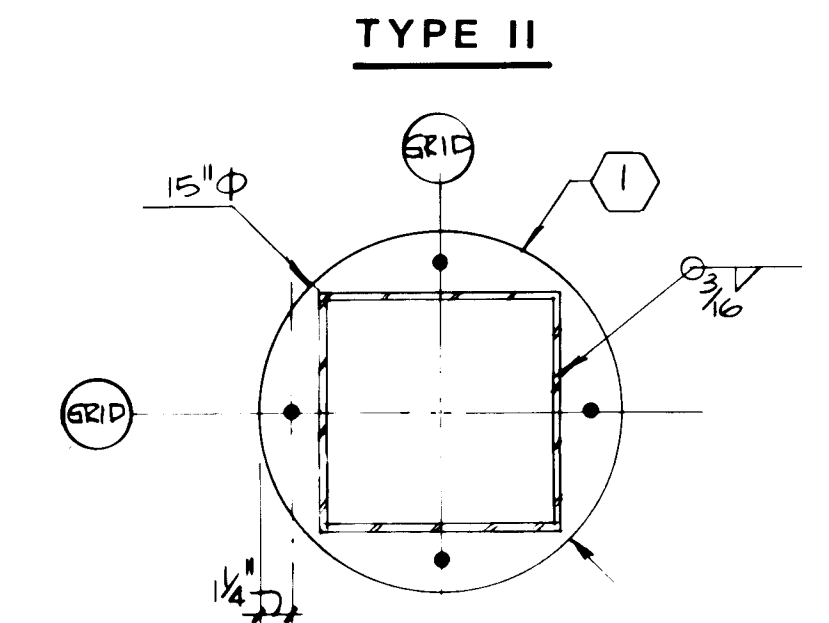
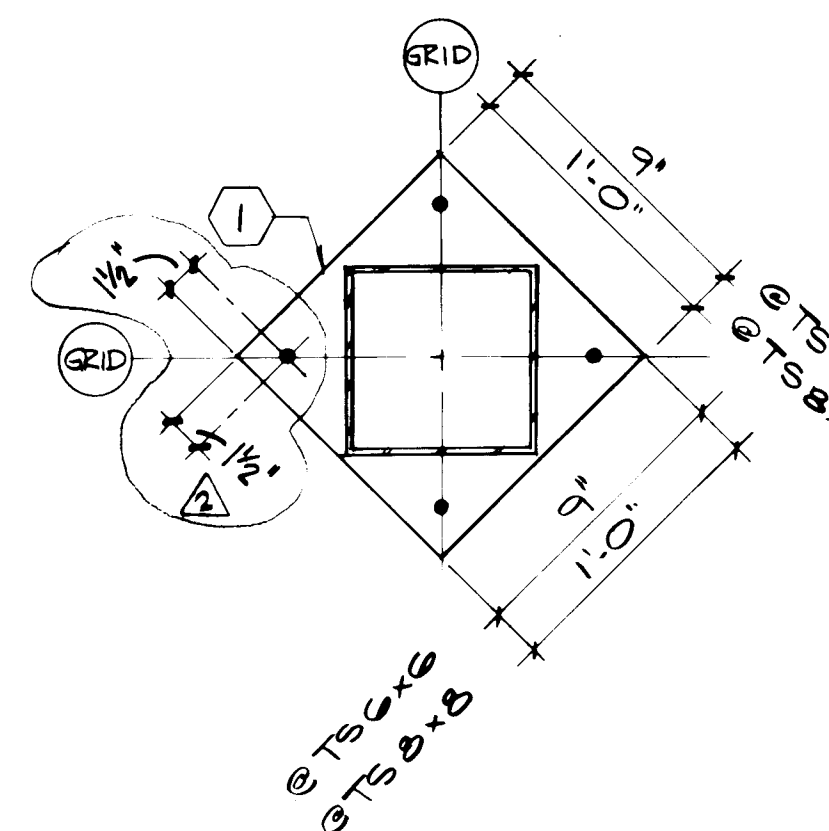
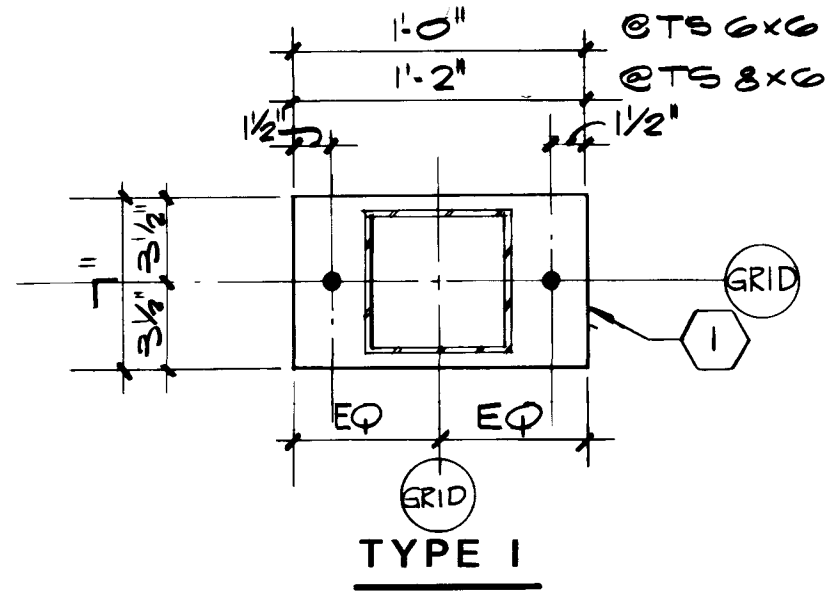
| FOOTING & COLUMN SCHEDULE |                    |                    |                    |                         |                                                   |                   |                    |                    |                                 |                                                               |                    |                    |                    |
|---------------------------|--------------------|--------------------|--------------------|-------------------------|---------------------------------------------------|-------------------|--------------------|--------------------|---------------------------------|---------------------------------------------------------------|--------------------|--------------------|--------------------|
| COLUMN COORDINATES        | P3, J14            | V41, V71, D19, F19 | P15, R14, J12, M19 | U19, V18, V118, 2, U219 | B21, K20, K21, B20, D22, W10, Y10, U11-14, F11-14 | P1, A14           | V11, L19           | V1, A19            | U11-11, L18, U11-16, 1, S118, 1 | AA1021, A11-23, N1, A19, H3, C8, K1, Z1, AA11-17, A17, K11-22 | AA4, AA7           | R12, M16           | G5, E6             |
| CAP PLATE                 | 3/8                | R 1/2"             | R 1/2"             | R 1/2"                  |                                                   | 1/8               | 2/8                | 3/8                | R 1/2"                          | R 1/2"                                                        | 3/8                | R 1/2"             | R 1/2"             |
| SIZE                      | TS 6"x6"x3/8       | TS 6"x6"x1/4"      | TS 6"x6"x1/4"      | TS 6"x6"x1/4"           | CONCRETE                                          | CONCRETE          | TS 6"x6"x1/4"      | TS 6"x6"x1/4"      | TS 6"x6"x1/4"                   | TS 6"x6"x1/4"                                                 | TS 6"x6"x1/4"      | TS 6"x6"x1/4"      | TS 10"x10"x1/4"    |
| BASE PLATE                | TYPE II            | TYPE II            | TYPE II            | TYPE I                  | —                                                 | —                 | TYPE I             | TYPE I             | TYPE I                          | TYPE II                                                       | TYPE I             | TYPE II            | TYPE III           |
| ANCHOR BOLT               | 4-3/4" $\phi$ 1/2" | 4-3/4" $\phi$ 1/2" | 4-3/4" $\phi$ 1/2" | 2-3/4" $\phi$ 1/2"      | —                                                 | —                 | 2-3/4" $\phi$ 1/2" | 2-3/4" $\phi$ 1/2" | 2-3/4" $\phi$ 1/2"              | 4-3/4" $\phi$ 1/2"                                            | 2-3/4" $\phi$ 1/2" | 4-3/4" $\phi$ 1/2" | 4-3/4" $\phi$ 1/2" |
| SIZE                      | 5'3"x5'-3"x1'-4"   | 5'-6"x5'-6"x1'-0"  | 5'-5"x5'-5"x1'-0"  | 5'-0"x5'-0"x1'-0"       | 5'-9"x5'-9"x1'-0"                                 | 5'-7"x5'-0"x1'-0" | 4'-0"x4'-0"x1'-0"  | 5'-5"x5'-5"x1'-0"  | 5'-0"x5'-0"x1'-0"               | 2'-9"x2'-9"x1'-0"                                             | 2'-3"x2'-3"x1'-0"  | 2'-9"x2'-9"x1'-0"  | 5'-9"x5'-9"x1'-0"  |
| REINFORCING               | 4 #4 EW            | 3 #4 EW            | 3 #4 EW            | 3 #4 EW                 | 2 #4 EW *                                         | 2 #4 EW *         | 2 #4 EW *          | 2 #4 EW *          | 2 #4 EW *                       | 2 #4 TRANS *                                                  | 2 #4 #             | 3 #4 EW            | 2 #4 EW *          |

\* PLUS CONT. FOOTING REINFORCING

| COLUMN BRACE SCHEDULE |              |              |              |              |              |              |              |              |              |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| COLUMN                | N1           | A13          | A19          | V1           | AA1          | A23          | L18.1 (HIGH) | L18.1 (LOW)  | H3           |
| BRACE SIZE            | TS 6"x6"x3/8 | TS 6"x6"x3/8 | TS 6"x4"x3/8 | TS 6"x4"x3/8 | TS 6"x4"x3/8 | TS 6"x4"x3/8 | TS 6"x6"x3/8 | TS 6"x4"x3/8 | TS 6"x6"x3/8 |
| DIRECTION FROM COLUMN | W            | S            | N            | W            | S            | W            | N            | N            | NW           |
| APPROX. HEIGHT        | 24'-0"       | 24'-0"       | 17'-2"       | 12'-0 1/2"   | 12'-0 1/2"   | 11'-10"      | 16'-11 1/2"  | 11'-10"      | 24'-0"       |
| APPROX. BASE LENGTH   | 3'-9"        | 5'-9"        | 7'-2"        | 10'-0"       | 10'-11 1/2"  | 11'-2"       | 7'-6"        | 6'-2"        | 15'-9"       |



SECTION 1  
3'-9":1'-0"



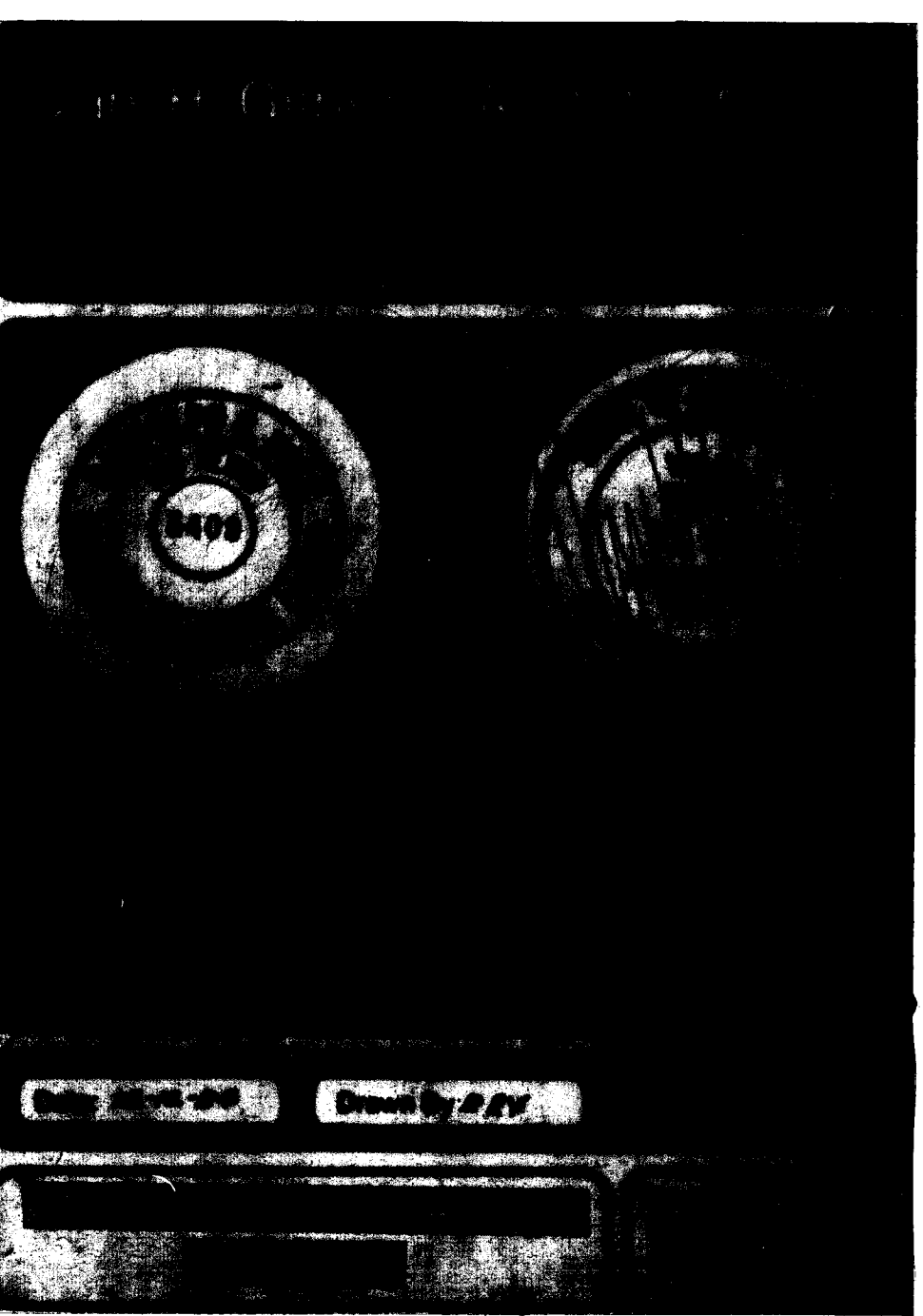
TYPE III  
TYP. BASE PLATE  
DETAILS  
1 1/2":1'-0"

- STRUCTURAL NOTES**
- EARTHWORK**
- IF UNSUITABLE CONDITIONS ARE ENCOUNTERED AT ANY FOOTING AREA, CONTRACTOR SHALL NOTIFY ARCHITECT AND CEASE WORK IN THAT AREA UNTIL FURTHER NOTICE.
  - WHERE FOUNDATION OR OTHER CRITICAL ELEMENTS ARE TO BE SUPPORTED ON ENGINEERED FILL, OBSERVATIONS AND TESTS OF GRADING OPERATIONS SHALL BE MADE BY A SOILS ENGINEER. ALL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH PROCEDURES SET FORTH IN THE STANDARDS OF THE AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM).
  - ALL VEGETATION, DEBRIS, AND UNCONTROLLED MAN-MADE FILL SHALL BE REMOVED FROM THROUGHOUT THE SITE. STUMPS, MATTED ROOTS AND ROOTS LARGER THAN 2 INCHES IN DIAMETER SHALL BE REMOVED FROM WITHIN 6 INCHES OF THE SURFACE OF AREAS ON WHICH FILLS ARE TO BE CONSTRUCTED. ANY SOILS LOOSELY BY THE REMOVAL OF STUMPS, ROOTS, ETC. SHALL BE REMOVED TO THE SATISFACTION OF A SOILS ENGINEER.
  - THE FILL MATERIAL SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS AS DETERMINED BY ASTM D422:
- | SIEVE SIZE | PERCENT PASSING BY WEIGHT |
|------------|---------------------------|
| NO. 200    | 100                       |
| NO. 40     | 100                       |
| NO. 60     | 100                       |
| NO. 100    | 100                       |
| NO. 200    | 100                       |
- THE PLASTICITY INDEX SHALL NOT EXCEED 6. ON-SITE SOILS SHOULD MEET THESE REQUIREMENTS.
- MECHANICAL COMPACTION EQUIPMENT SHALL BE USED IN ALL GRADING OPERATIONS. IN NO CASE SHALL "WATER SETTLING" OR "SETTLING BE EMPLOYED. WHERE VIBRATORY COMPACTION EQUIPMENT IS USED IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT VIBRATIONS DO NOT DAMAGE NEARBY BUILDINGS OR OTHER ADJACENT PROPERTY.
  - NO BRUSH, SOD, FROZEN MATERIAL, OR OTHER PERISHABLE OR UNSUITABLE MATERIAL SHALL BE PLACED IN THE FILL. DISTRIBUTION OF MATERIAL SHALL BE SUCH AS TO AVOID LENSES DIFFERING SUBSTANTIALLY FROM THE SURROUNDING MATERIAL. THE MATERIALS SHALL BE DELIVERED TO THE FILL IN SUCH A MANNER AS TO RESULT IN A WELL AND UNIFORM COMPACTED FILL. LIFTS SHALL HAVE A LOOSE THICKNESS OF NOT MORE THAN 8 INCHES UNLESS OTHERWISE AUTHORIZED BY THE SOILS ENGINEER.
  - BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 AT OPTIMUM MOISTURE CONTENT  $\pm$  2 PERCENT.
  - SELECT FILL UNDER FLOOR SLABS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557 AT OPTIMUM MOISTURE CONTENT  $\pm$  2 PERCENT.
  - ALLOWABLE SOIL BEARING CAPACITY = 3000 PSF.
- CONCRETE & REINFORCING**
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS LISTED BELOW:  
F'C = 4,000 PSI (AIR ENTRAINMENT) ALL EXTERIOR SIDEWALKS, STAIRS, SLABS, PADS, CURBS & GUTTERS.  
F'C = 3,000 PSI (PORTLAND CEMENT TYPE I-III) ALL CAST-IN-PLACE CONCRETE FOR THE STRUCTURE.
  - ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 40, MINIMUM YIELD STRENGTH OF 40,000 PSI. ALL TIES SHALL BE ASTM A 615, GRADE 40, MINIMUM YIELD STRENGTH OF 40,000 PSI.
  - ALL CONCRETE AND REINFORCING STEEL SHALL BE FABRICATED AND PLACED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301-72) AND THE ACI STANDARD DETAILING MANUAL (ACI 315-80).
  - PROVIDE BAR SUPPORTS AND SPACERS FOR REBAR IN ACCORDANCE WITH ACI 315 AND CHAIRS WITH 22 GAGE SAND PLATES FOR ALL REBAR BEARING ON GRADE.
  - WHERE LAPPED SPICES IN REINFORCING OCCUR, THE LAP SHALL BE MADE AS FOLLOWS: HORIZONTAL AND VERTICAL REINFORCING 30 BAR DIAMETERS OR 24" MINIMUM UNLESS OTHERWISE NOTED.
  - ALL HORIZONTAL REINFORCING IN CONTINUOUS FOOTINGS AND WALLS SHALL BE CONTINUOUS AROUND CORNERS OR HAVE CORNER BARS OF THE SAME SIZE AND SPACING AS THE HORIZONTAL BARS AND LAP 30 BAR DIAMETERS OR 24" MINIMUM.
  - VERTICAL BULKHEADS IN FOOTINGS AND STEM WALLS ARE PERMITTED AT POINTS NO CLOSER THAN 10'-0" FROM ANY CORNER OR INTERSECTION. HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH BULKHEADS. NO SPICES SHALL BE MADE WITHIN 5'-0" OF ANY BULKHEAD.
  - SLABS AND BEAMS - ANY STOP IN CONCRETE WORK SHALL BE MADE IN THE CENTER OF THE SPAN, WITH VERTICAL BULKHEADS AND A CONTINUOUS HORIZONTAL KEY.
  - CONCRETE COVER FOR REINFORCING SHALL BE AS FOLLOWS:  
FOOTINGS - 3" FROM BOTTOM AND SIDES.  
PEDESTALS AND COLUMNS - 1-1/2" FROM TIES.  
SLABS ON GRADE - AS NOTED ON DRAWINGS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT ALL REBAR IS PROPERLY ALIGNED AND TIED IN PLACE BEFORE PLACING CONCRETE. ALL COLUMN, WALL, PANELS AND VERTICAL STEEL SHALL BE ACCURATELY LOCATED AND SECURED IN PLACE SO THAT IT REMAINS IN THIS POSITION DURING THE PLACING OPERATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TIE BARS WHERE REQUIRED. STICKING OF DOMELS, ANCHOR BOLTS, ETC., INTO WET CONCRETE WILL NOT BE ACCEPTABLE. ANY REINFORCING OR OTHER EQUIPMENT FOUND TO BE IMPROPERLY INSTALLED SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER. REINFORCING SHALL NOT BE FIELD BENT WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.
  - SHOP DRAWINGS SHALL BE FURNISHED FOR APPROVAL BEFORE ANY FABRICATION AND ERECTION IS STARTED. POORLY EXECUTED SHOP DRAWINGS SHALL BE REJECTED AND RESUBMITTED.

- KEYED NOTES**
- PLATE 3/4".
  - COLUMN, SEE SCHEDULE.
  - CSK16 @ 24" ON CENTER.
  - ANGLE 2"x2"x1/4".
  - 4" x 16" @ 48" ON CENTER.
  - ANGLE 3"x3"x1/4" CONTINUOUS.
  - 8" CMU WALL.
  - 1/4"x3" WEJ-ITS @ 24" ON CENTER.
  - METAL DECK, SEE PLAN.
  - BEAM, SEE PLAN.

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RECORD DRAWING

REV. AS BUILT  
REVISED 4-25-86



1986

**\*STEEL STUD WALL NOTES:**

- ALL EXTERIOR WALLS SHALL BE CO-111 GAGE STUDS AT 24" ON CENTER UNLESS NOTED OTHERWISE. ON GRID LINE 1 BETWEEN 4 & V, ON GRID LINE A BETWEEN 13 & 19, AND AT THE 45 DEGREE WALL BETWEEN GRIDS N-1 AND A-13 THE STUDS SHALL BE CO-114 GAGE AT 12" ON CENTER.
- ALL WALLS NOTED IN ITEM 1 ABOVE SHALL BE ANCHORED TO THE CONCRETE FOUNDATION WITH 1/2" DIAMETER 10" ANCHOR BOLTS @ 48" ON CENTER CAST-IN-PLACE. PLACE WASHERS ON TOP OF THE BOTTOM TRACK SO THAT THE HOLE CUT FOR THE ANCHOR BOLTS WILL BE COMPLETELY COVERED.
- ALL WALLS SHALL HAVE HORIZONTAL BRIDGING INSTALLED A MAXIMUM SPACING OF 4'-6" BUT NOT LESS THAN 2 ROWS OF BRIDGING IN THE HEIGHT OF ANY WALL.
- TOP AND BOTTOM TRACK OF ALL WALLS IN ITEM 1 SHALL BE 14 GAGE MATERIAL.

The above specified "Steel Stud Wall Notes" shall supercede any other reference made to the sizes, spacing, and anchorage of the exterior wall steel studs in the original Contract Drawings.

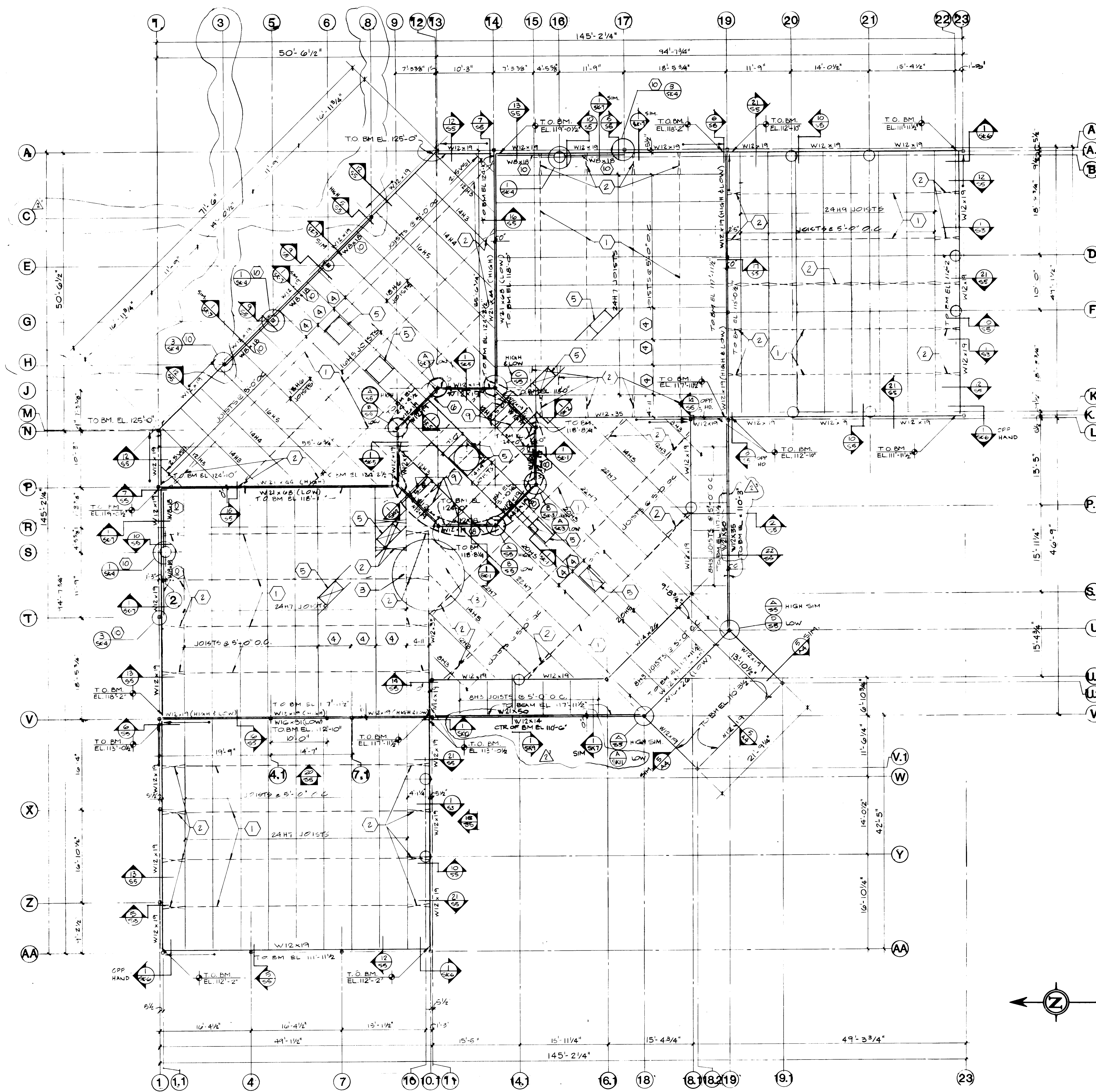
**STRUCTURAL STEEL**

- ALL STRUCTURAL AND MISCELLANEOUS STEEL MEMBERS, SHAPES AND CONNECTIONS SHALL BE ASTM A36, HAVING A MINIMUM YIELD STRENGTH OF 36,000 PSI.
- ALL STRUCTURAL STEEL TUBE SHAPES SHALL BE ASTM A500, GRADE B, HAVING A MINIMUM YIELD STRENGTH OF 46,000 PSI.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE ARCHITECTURAL DRAWINGS FOR ALL MISCELLANEOUS STEEL.
- ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS AND SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS OF THE AWS AND ATSC.
- ALL ANCHOR BOLTS SHALL BE ASTM A307 UNLESS OTHERWISE NOTED.
- ALL CONNECTION BOLTS SHALL BE ASTM A325N.

**MISCELLANEOUS**

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION.
- ALL TRADES SHALL COORDINATE AND VERIFY ALL OPENINGS IN FLOORS, ROOF, WALLS AND BEAMS WITH THE GENERAL CONTRACTOR AND ARCHITECT.
- THE MECHANICAL CONTRACTOR SHALL FURNISH ALL NECESSARY FOUNDATIONS AND SUPPORT STRUCTURES FOR MECHANICAL EQUIPMENT AND ALL NECESSARY HANGING DEVICES AND INSERTS FOR INSTALLATION OF MECHANICAL EQUIPMENT.
- WHERE CONFLICTS OCCUR BETWEEN SPECIFICATIONS, REFERENCED CODES, NOTES AND WORKING DRAWINGS, THE MOST STRINGENT REQUIREMENTS SHALL APPLY.
- DESIGN DATA

| LOADS | LOCATION                    | LIVE LOAD | DEAD LOAD |
|-------|-----------------------------|-----------|-----------|
| ROOF  | SEISMIC                     | 20 PSF    | 22 PSF    |
| WIND  |                             |           |           |
| Ce    | 0'-10" = 1.2; 10'-40" = 1.3 |           |           |
| Cq    | 1.3                         |           |           |
| qs    | 15.0 PSF                    |           |           |
| I     | 1.0                         |           |           |



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

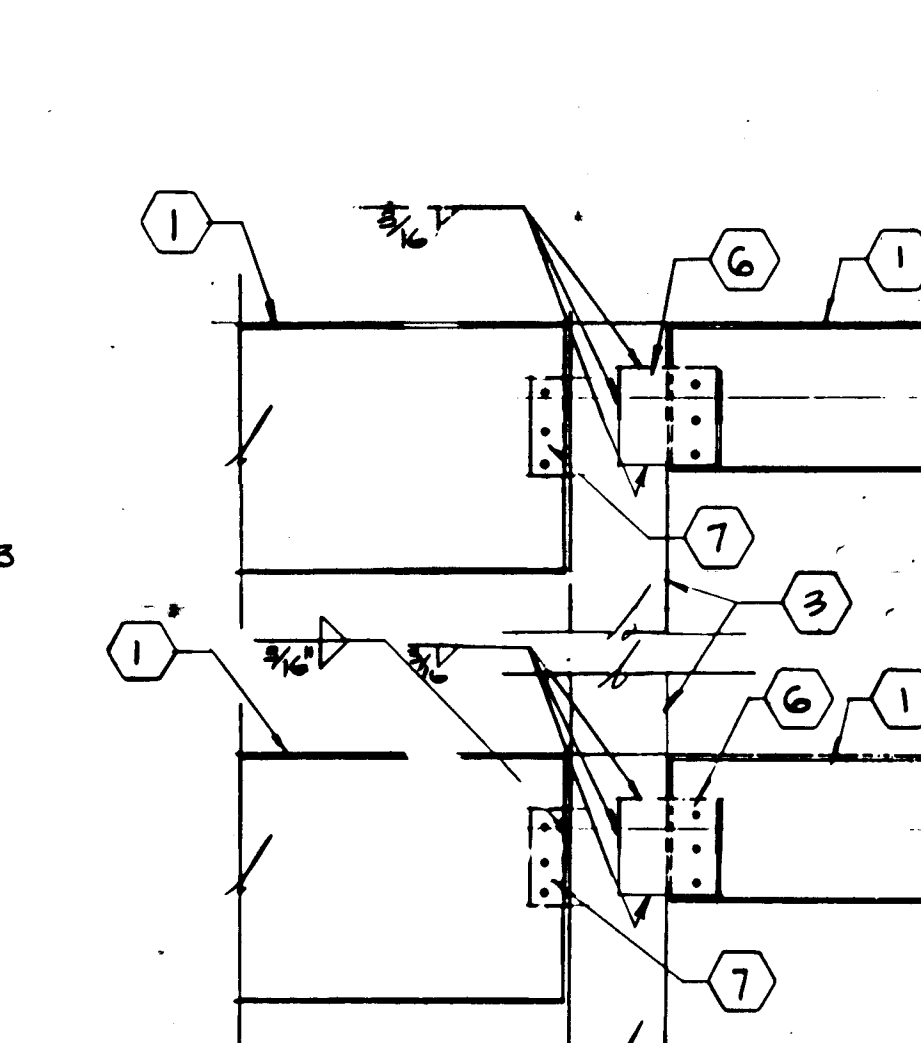
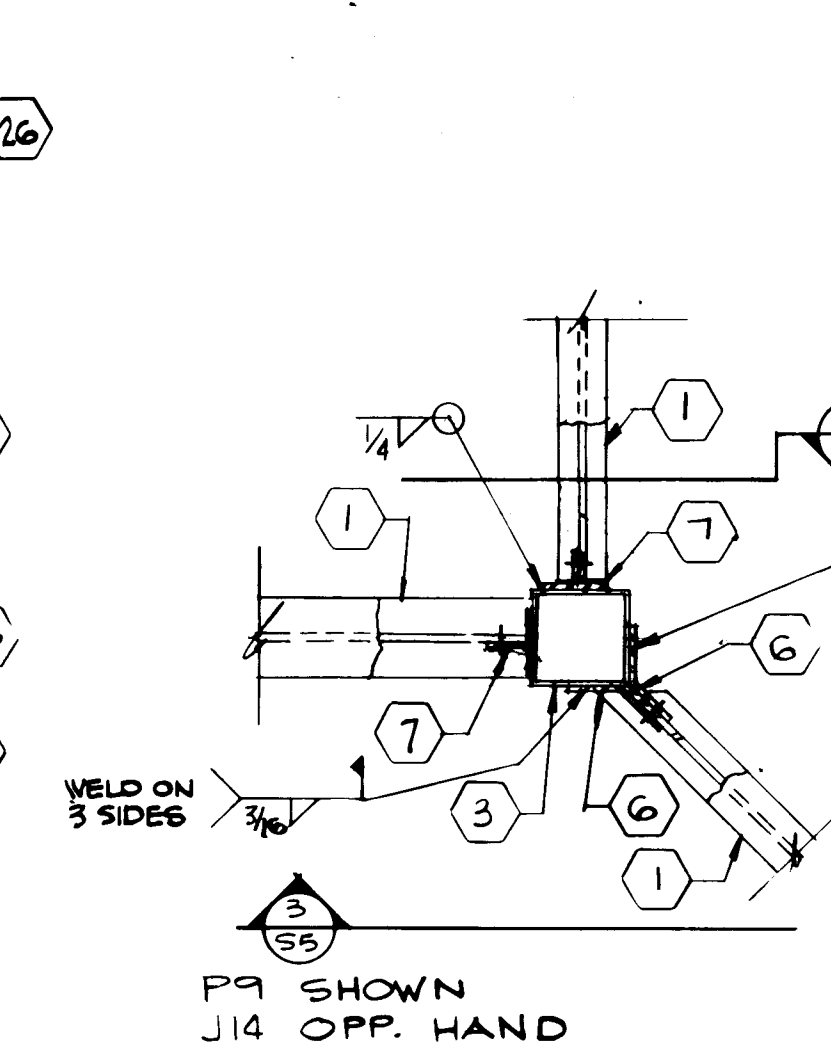
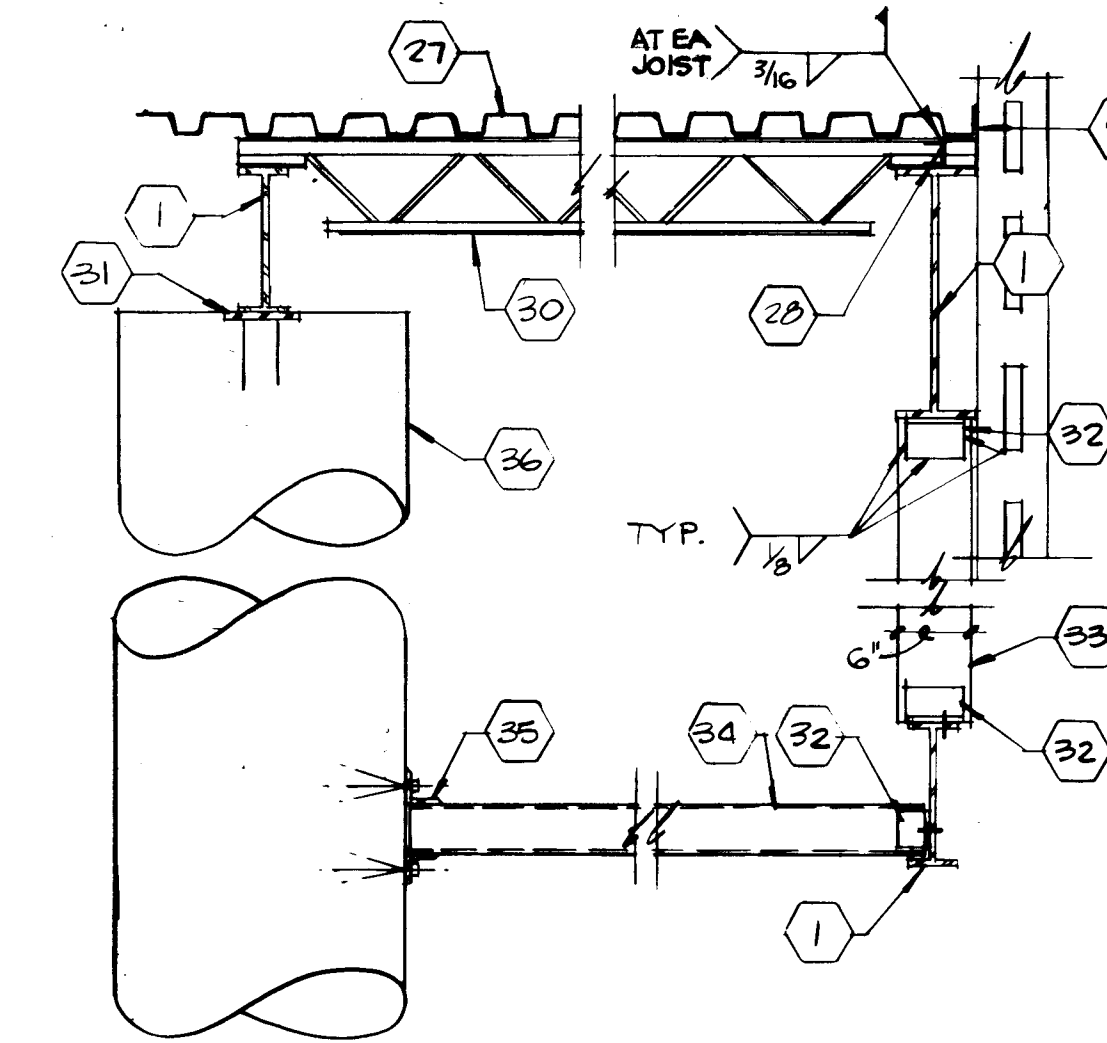
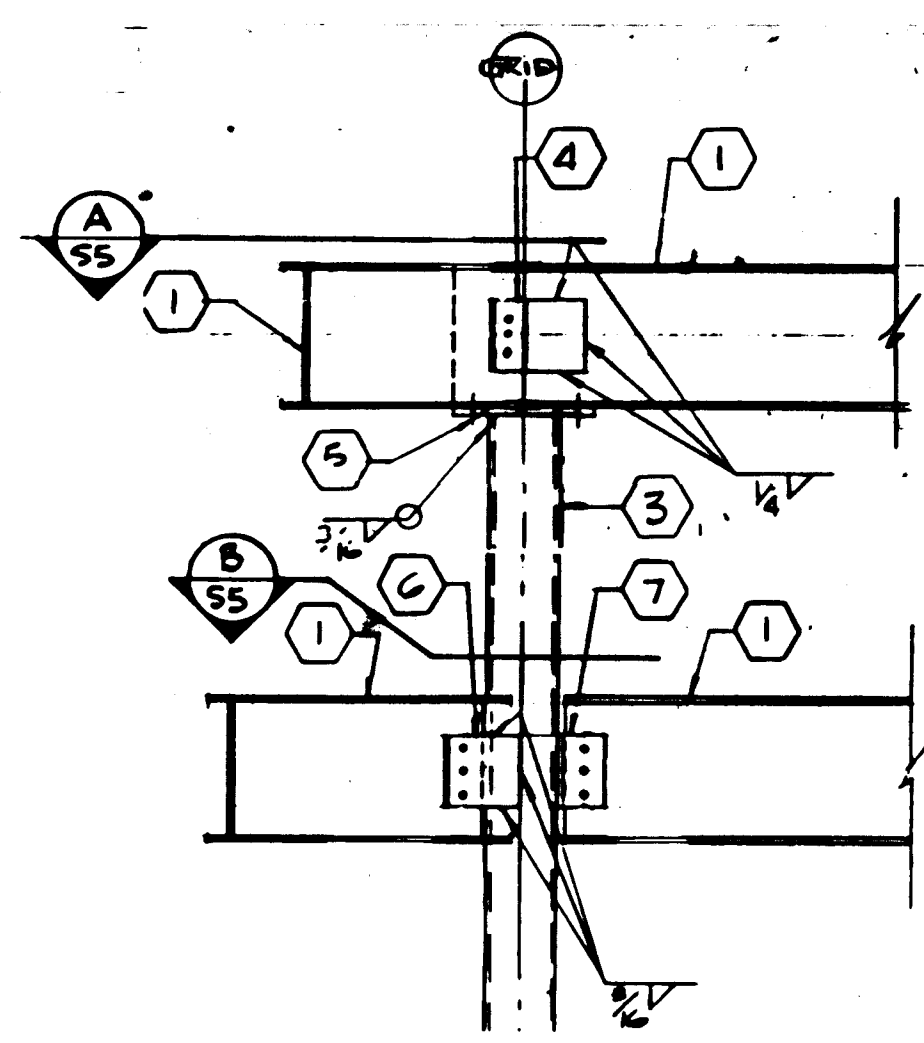
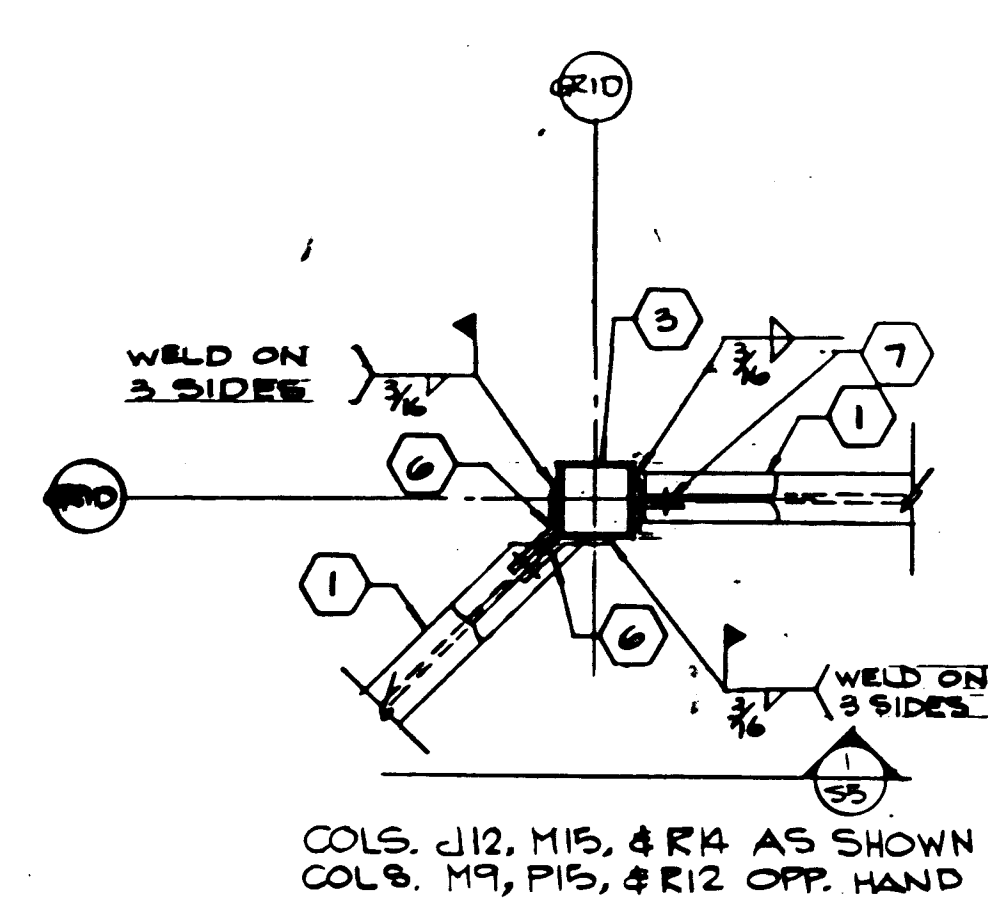
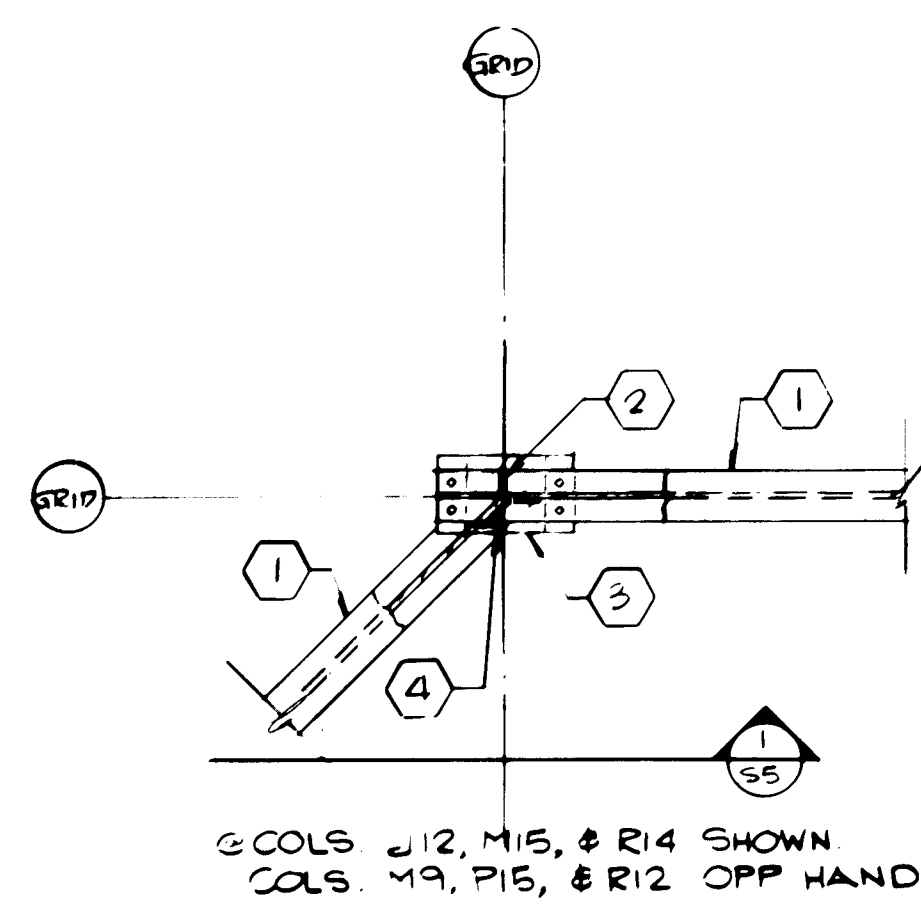
NOTE: ALL BEAM LOCATIONS ARE SHOWN ON THE PLAN BY USE OF THE FOLLOWING DIAGRAM:  
TOP BOTTOM  
SEE SECTION 1/8 FOR CONNECTION DETAILS

- KEYED NOTES**
- 1 HORIZONTAL BRIDGING TOP & BOTTOM.
  - 2 DIAGONAL BRIDGING.
  - 3 TYPE 8, 1 1/2" 22 GAGE METAL DECK, T = 0.167 IN. MIN., S<sub>y</sub> = 0.186 IN. MIN., S<sub>n</sub> = 0.184 IN. MIN., USE 4 - 3/4" WELDS PER SHEET AT EACH SUPPORT, & 3 #12 TENS. SIDELAP FASTENERS PER SPAN (20" ON CENTER). USE 4 - 3/4" WELDS AT 20" ON CENTER AT SIDE EDGE CORN.
  - 4 COORDINATE DIMENSIONS FOR LOCATION OF JOIST WITH SKYLIGHT LOCATION.
  - 5 SKYLIGHT OPENING FRAME SEE SKETCH SHEET 2/20.
  - 6 DOTTED LINE OUTSIDE EDGE OF LEDGER ANGLE & LOW ROOF.
  - 7 DOTTED LINE OUTSIDE EDGE OF LEDGER ANGLE & HIGH ROOF.
  - 8 TOP OF BEAM ELEV. 118'-8 1/2".
  - 9 2.5 VSB. OUTRIGGERS @ HIGH ROOF.
  - 10 CENTER LINE OF BEAM ELEVATION 114'-0".

**RECORD DRAWING**

- △ REVISIO 5-9-86
- △ ENTIRE SHEET HAS BEEN REVISED 3/17/86

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DETAIL A  
3/4":1'-0"

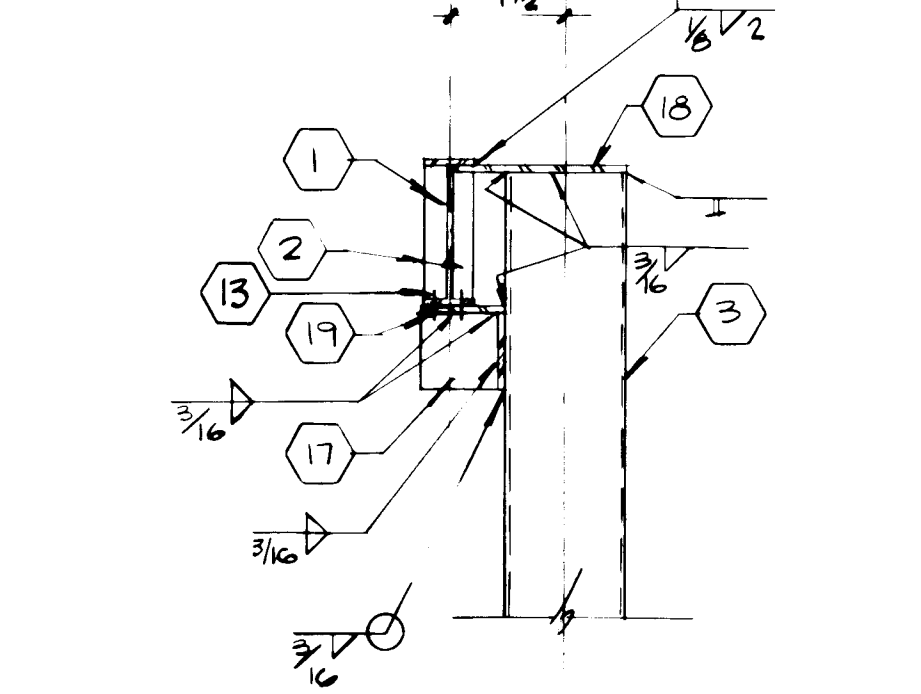
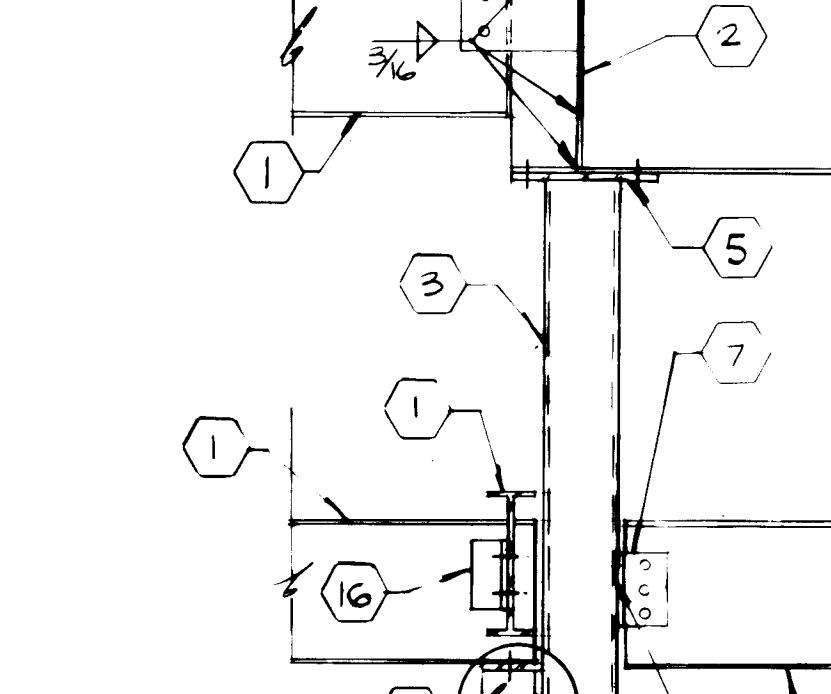
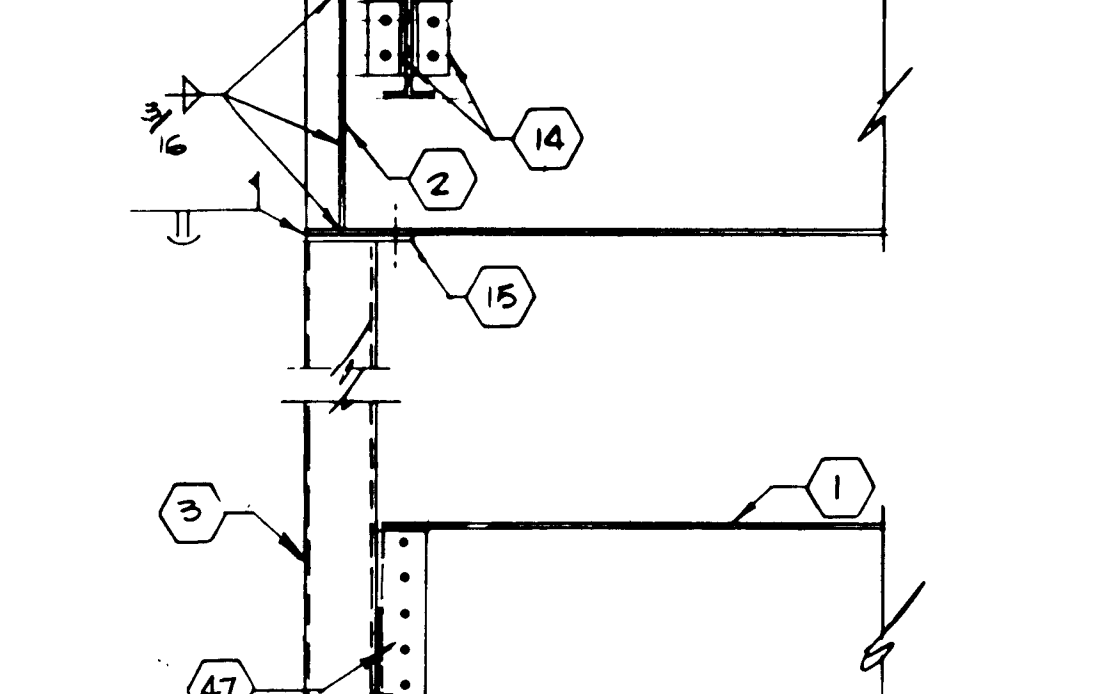
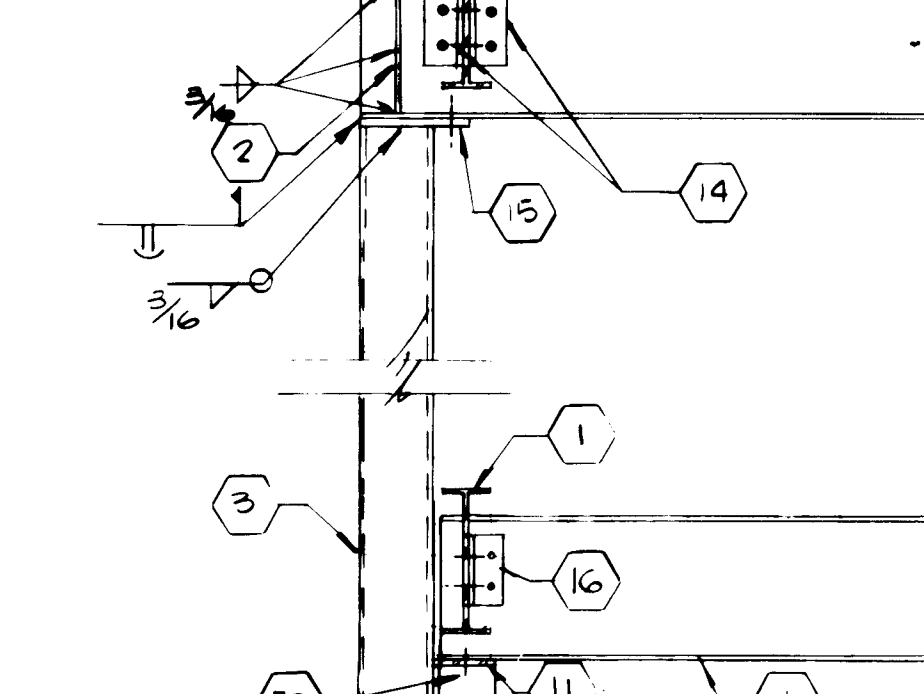
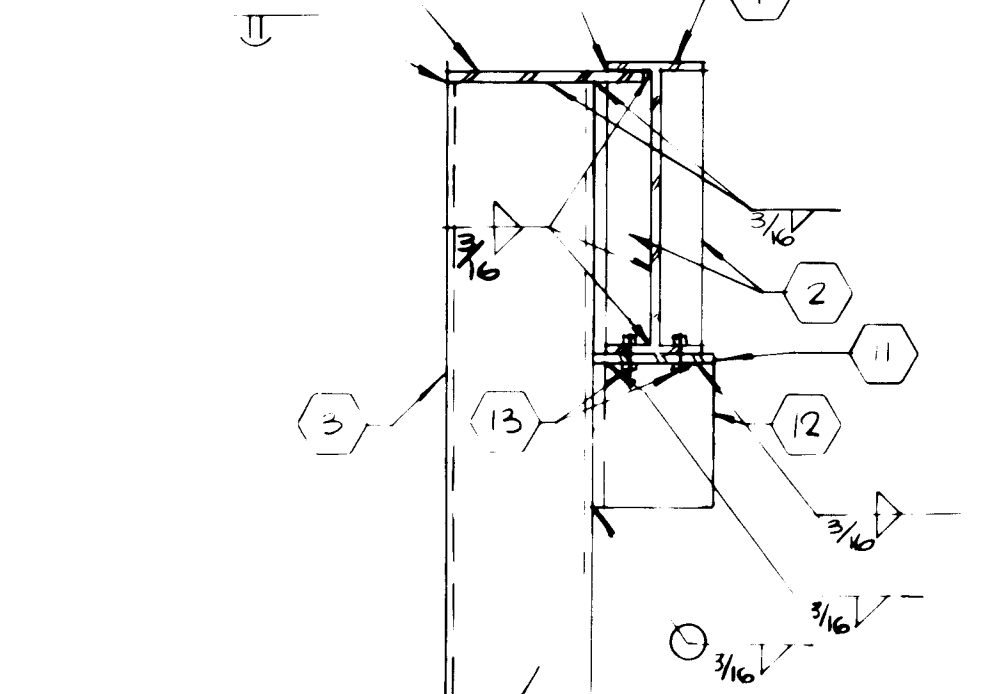
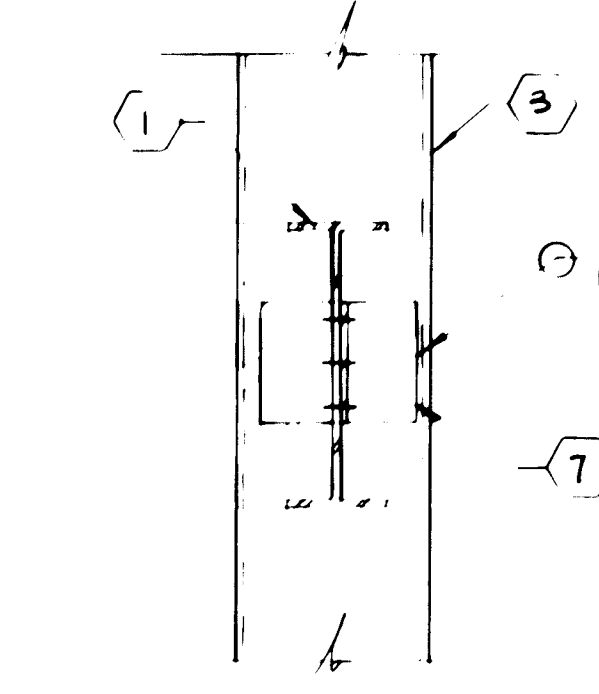
DETAIL B  
3/4":1'-0"

SECTION 1  
3/4":1'-0"

SECTION 2  
3/4":1'-0"

DETAIL C  
3/4":1'-0"

SECTION 3  
3/4":1'-0"



SECTION 4  
1 1/2":1'-0"

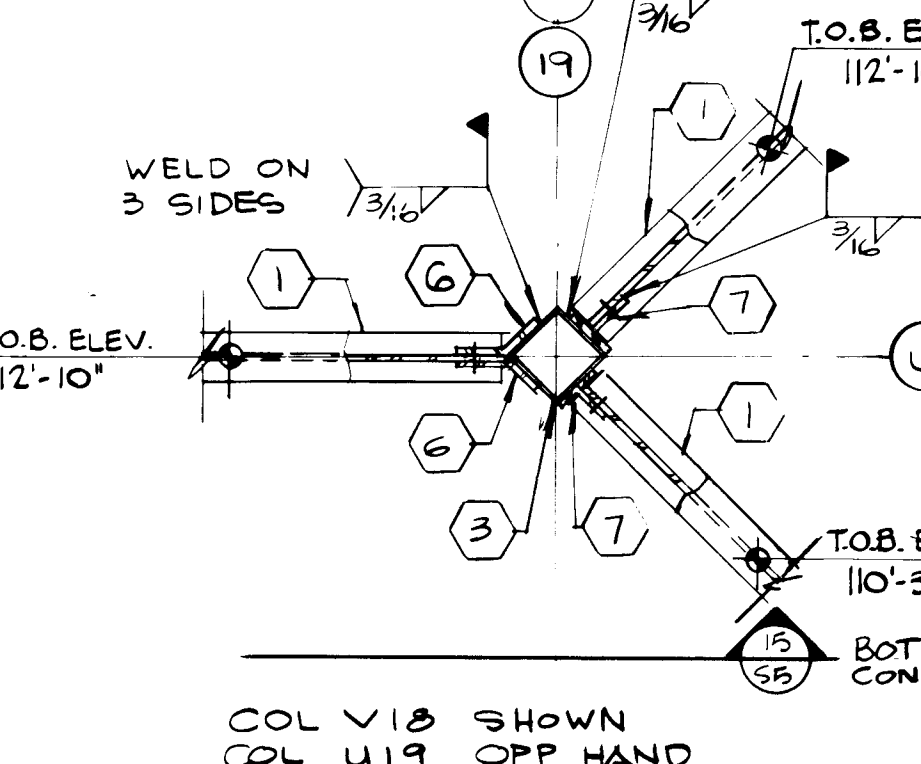
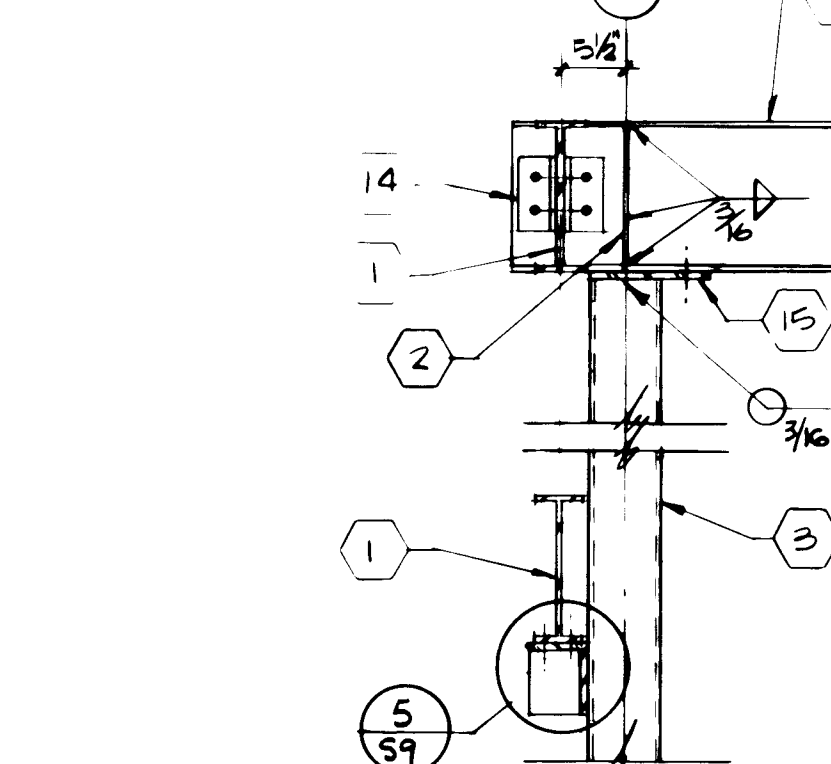
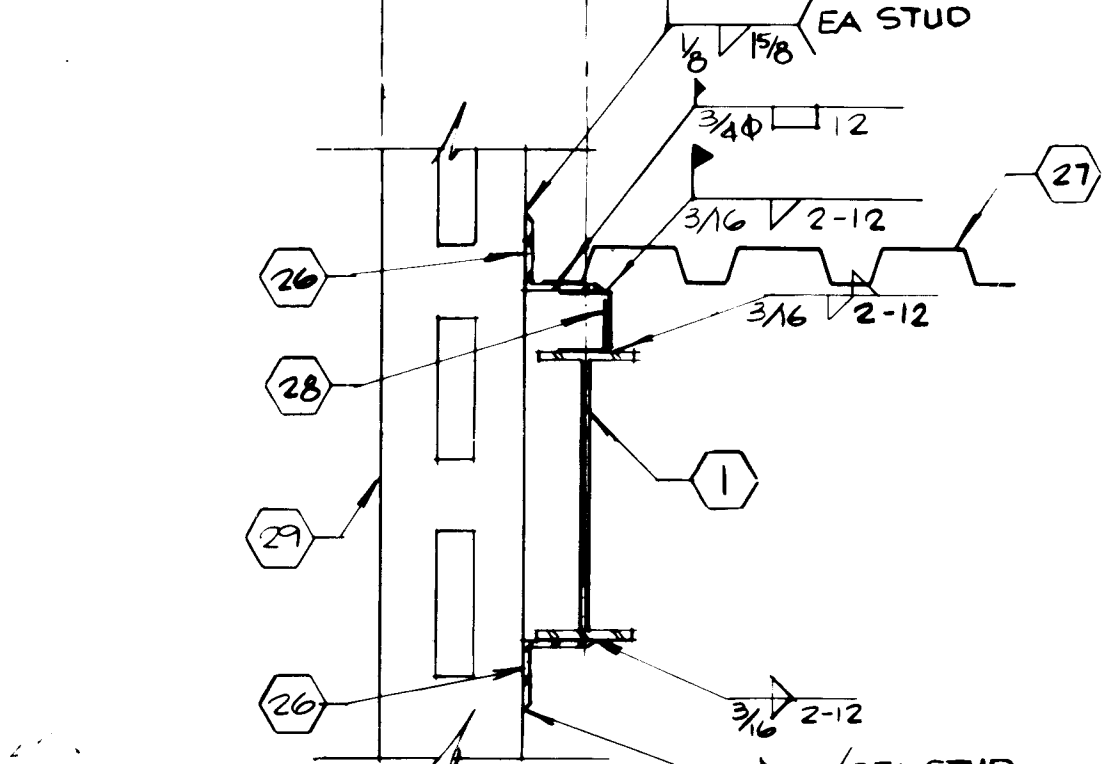
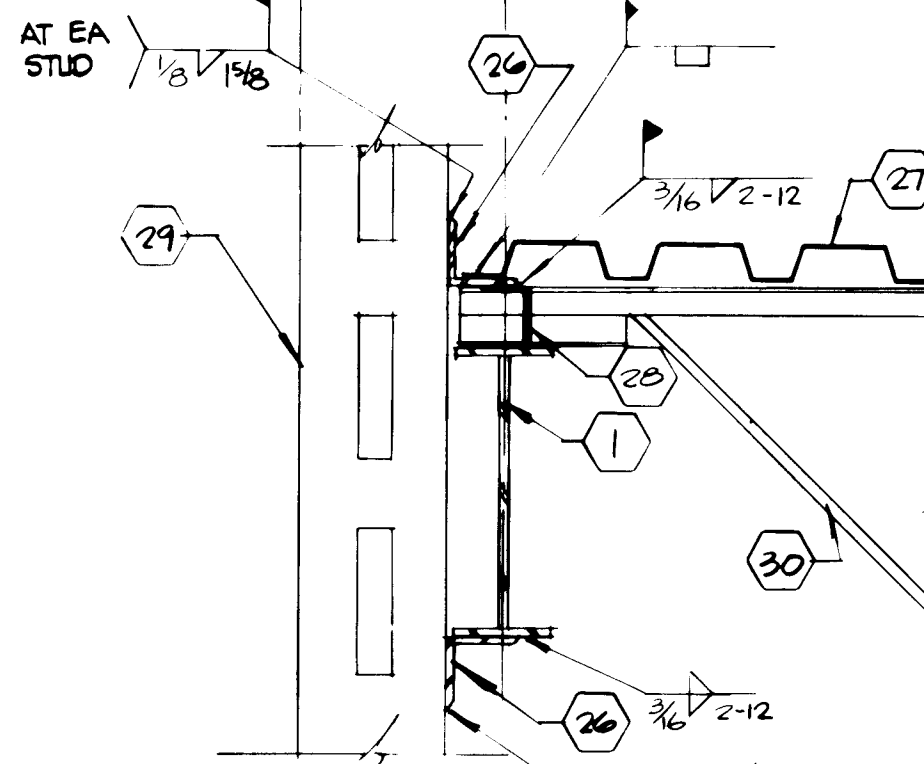
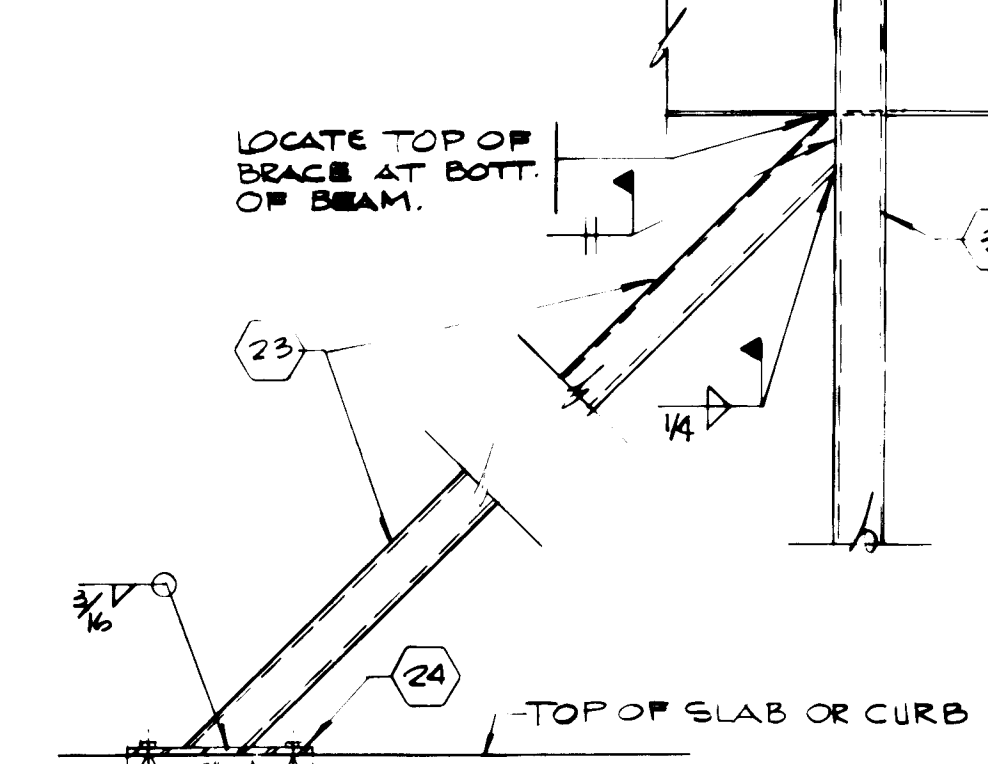
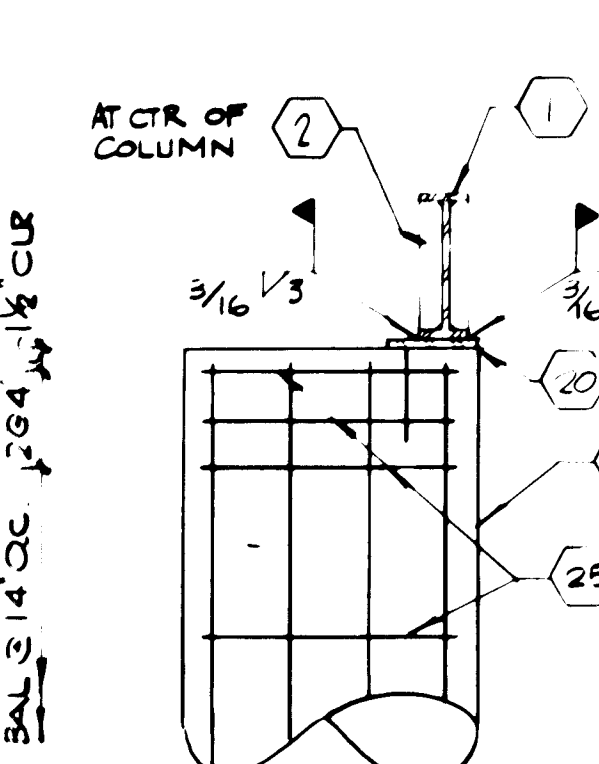
SECTION 5  
1 1/2":1'-0"

SECTION 6  
3/4":1'-0"

SECTION 7  
3/4":1'-0"

SECTION 8  
3/4":1'-0"

SECTION 9  
3/4":1'-0"



SECTION 10  
3/4":1'-0"

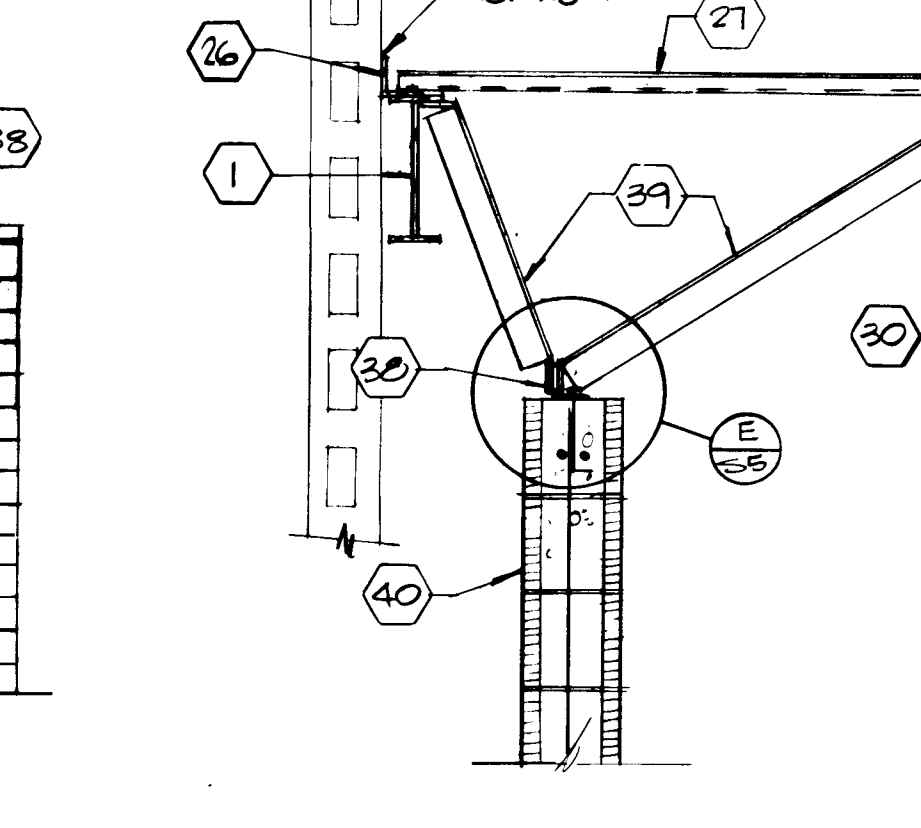
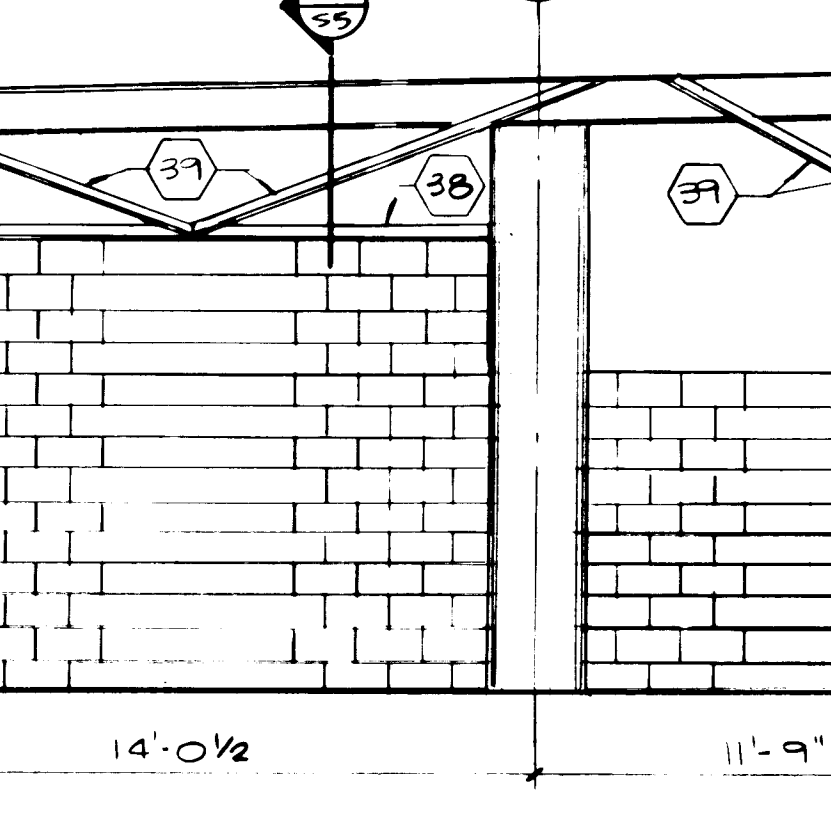
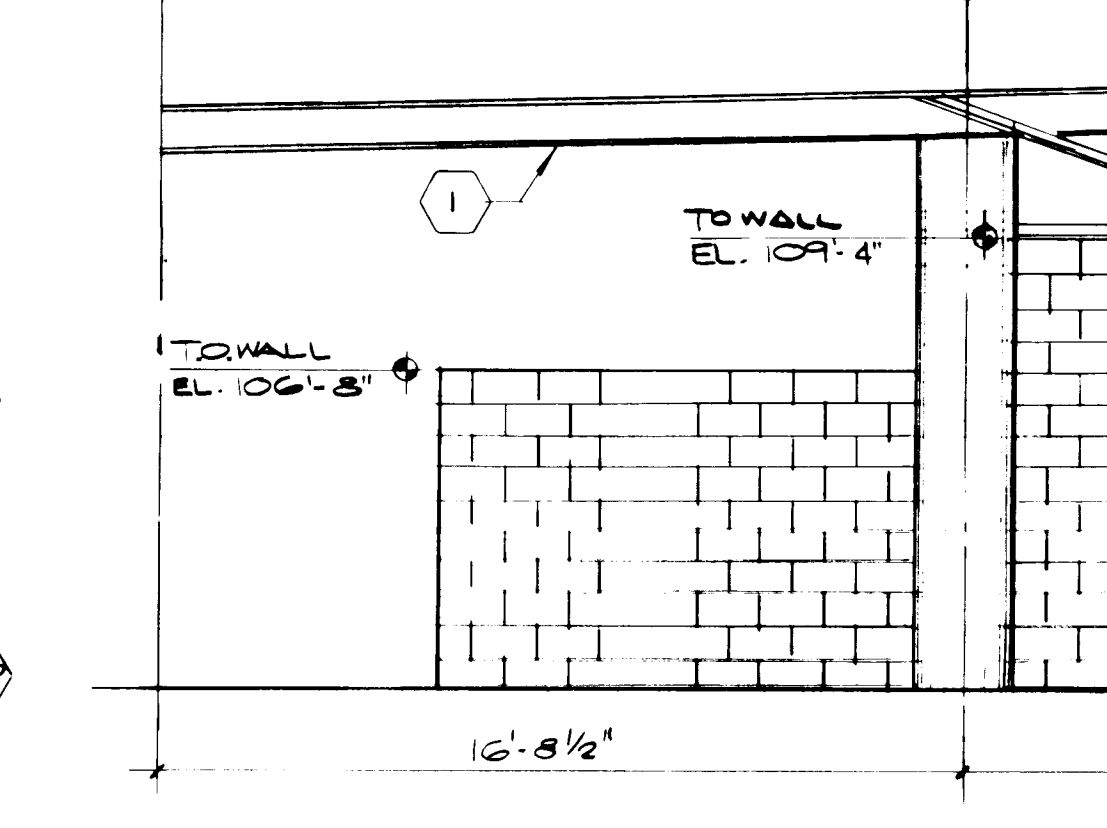
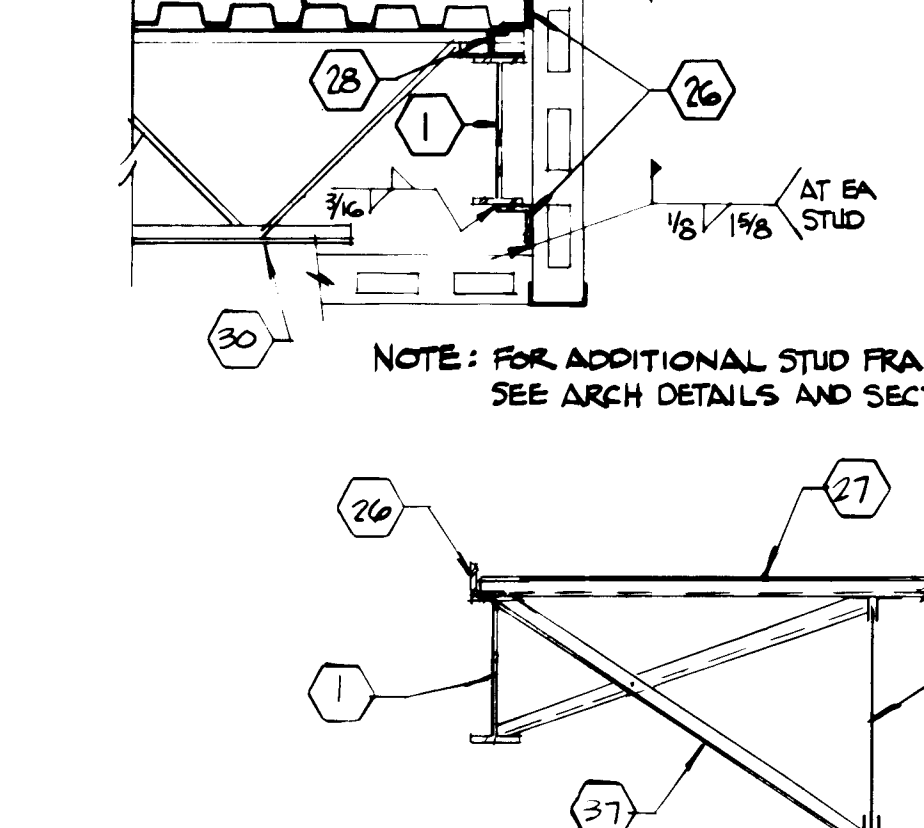
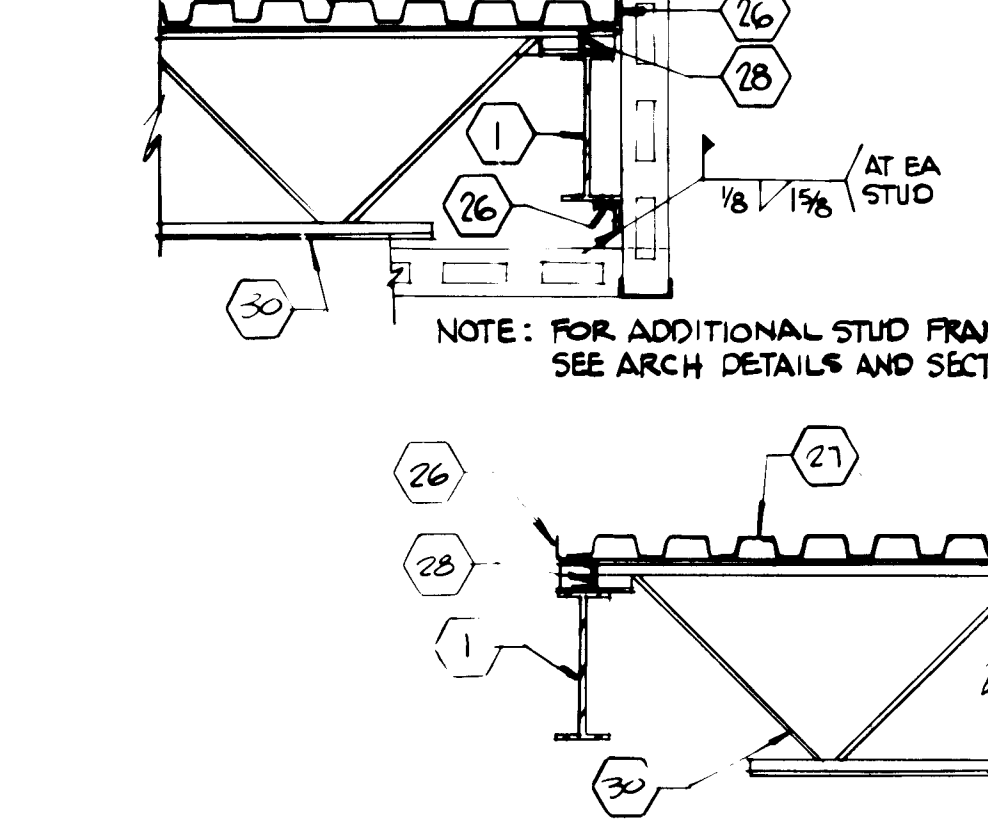
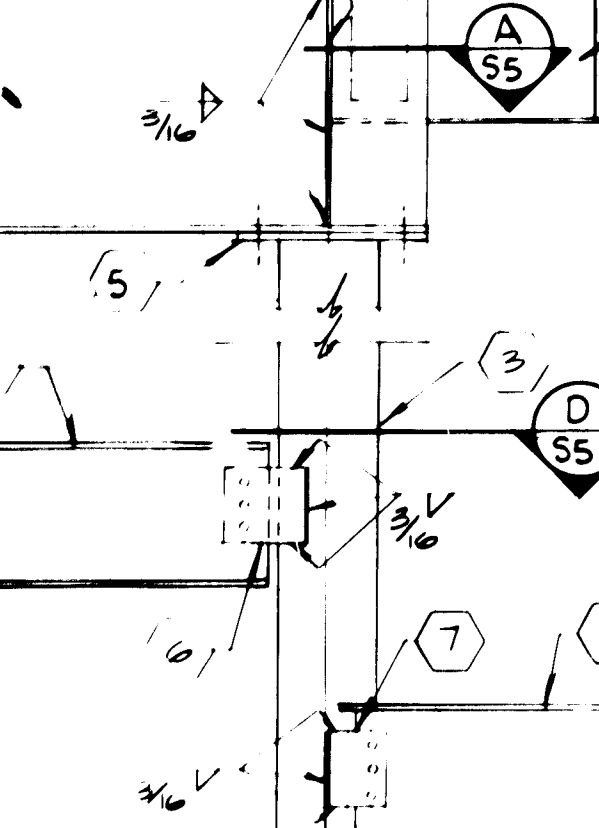
SECTION 11  
3/4":1'-0"

SECTION 12  
1 1/2":1'-0"

SECTION 13  
1 1/2":1'-0"

SECTION 14  
3/4":1'-0"

DETAIL D  
3/4":1'-0"



SECTION 15  
3/4":1'-0"

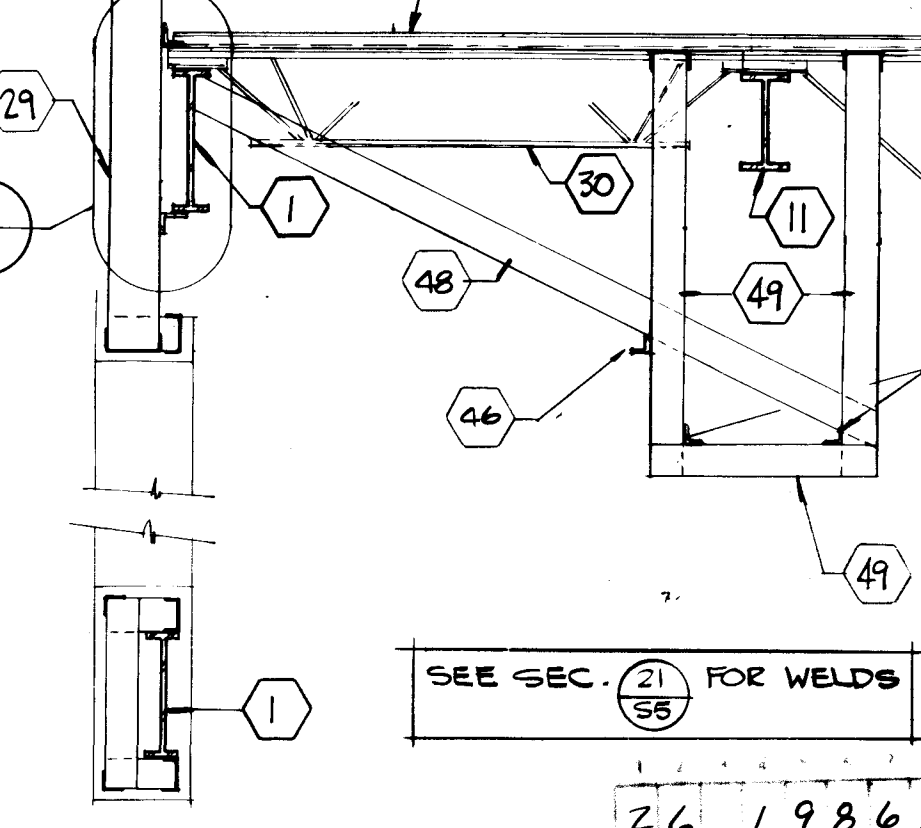
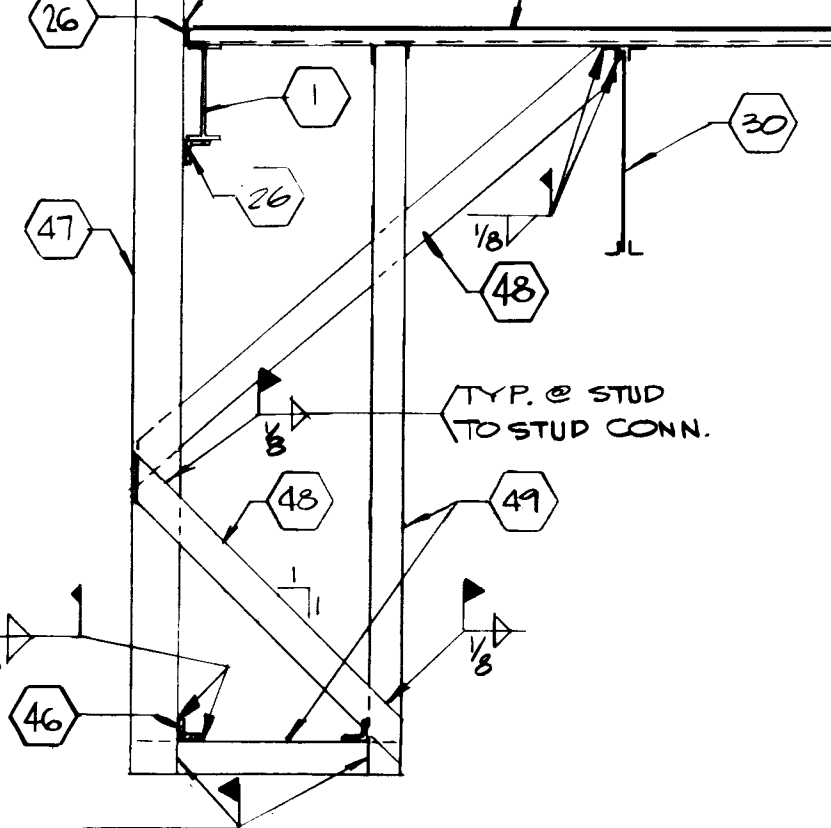
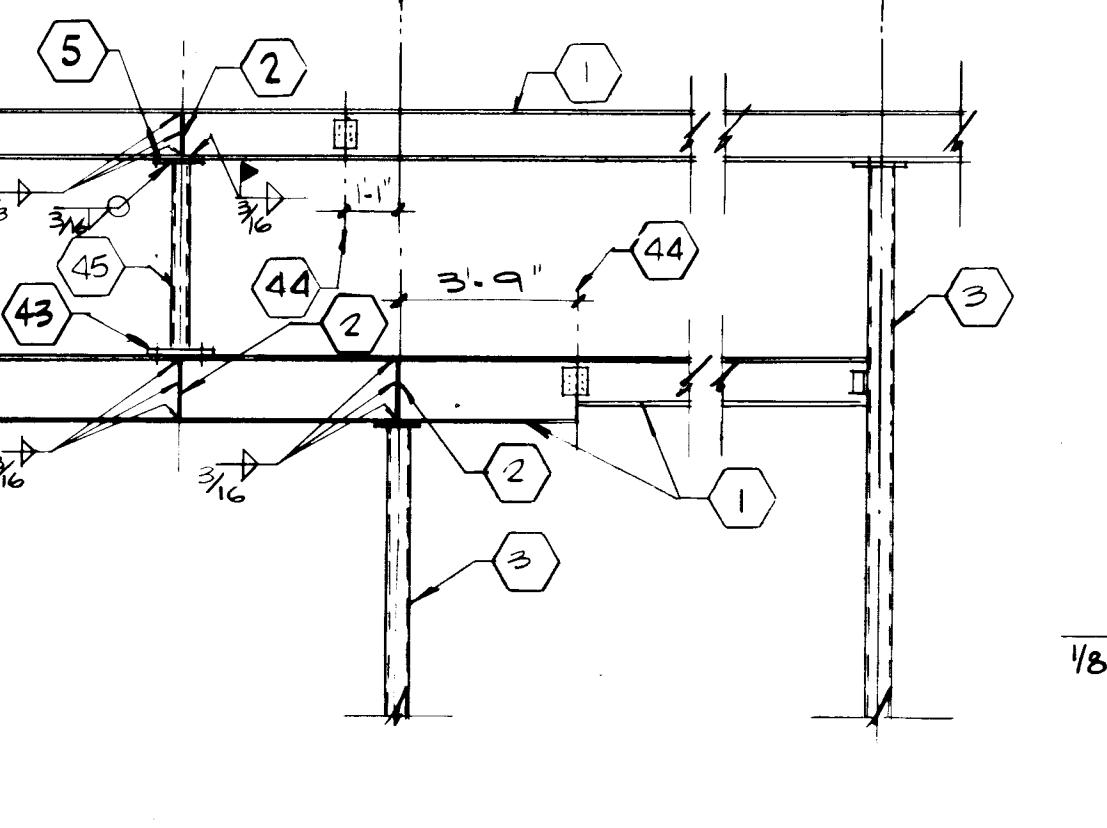
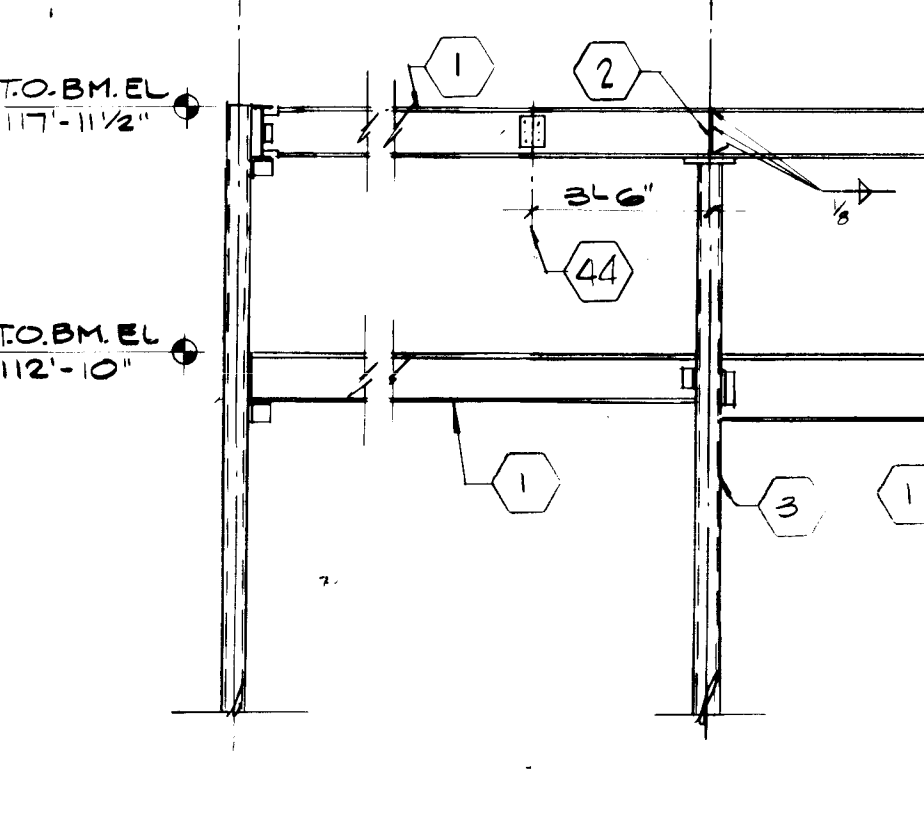
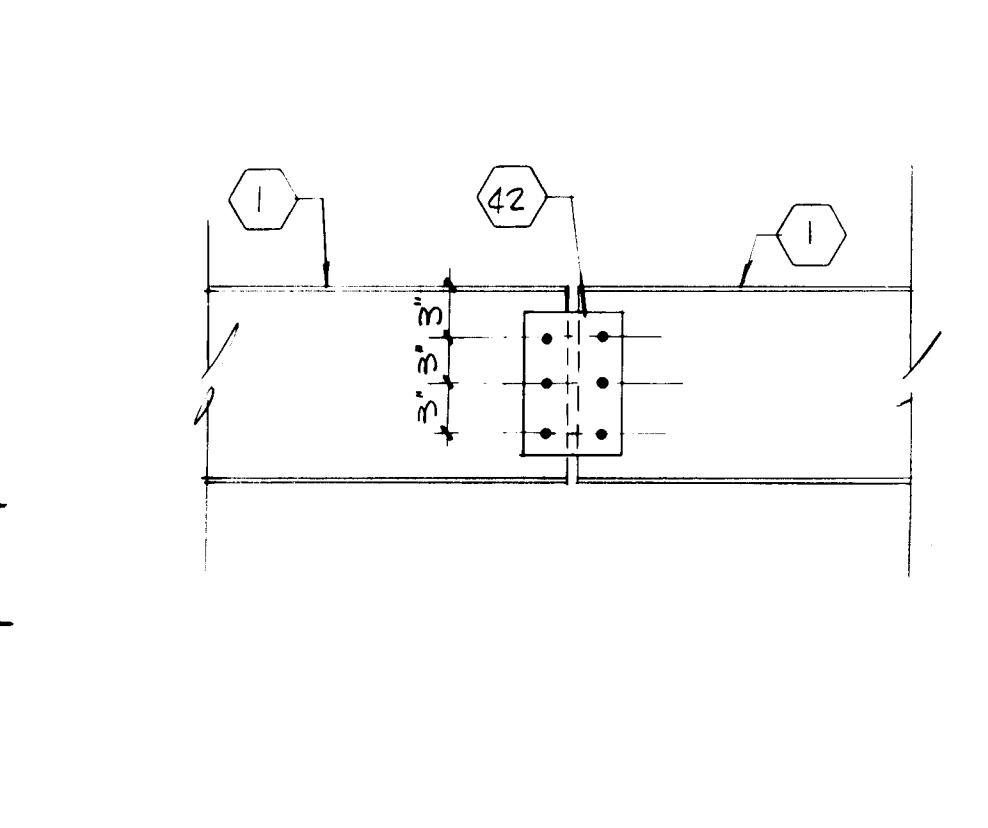
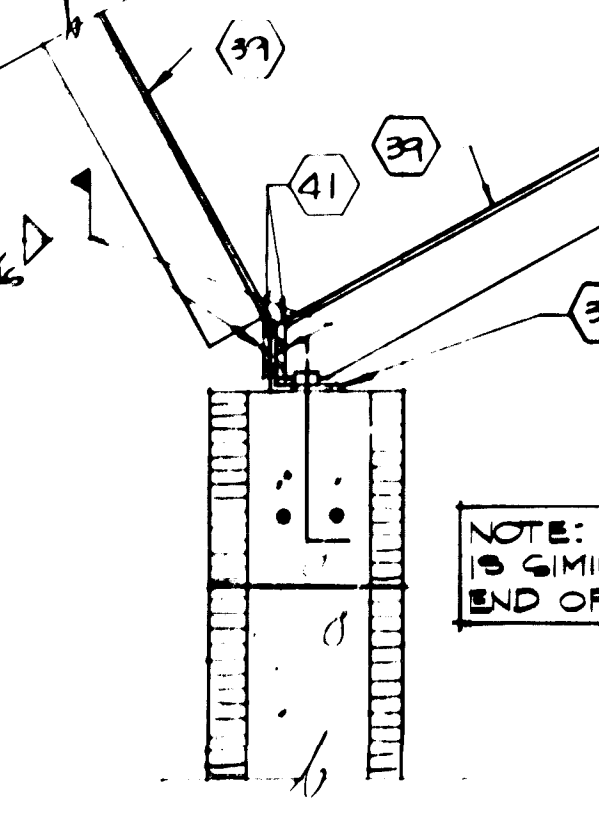
SECTION 16  
3/4":1'-0"

SECTION 17  
3/4":1'-0"

ELEVATION 18  
1/4":1'-0"

SECTION 19  
3/4":1'-0"

DETAIL E  
1 1/2":1'-0"



DETAIL F  
1 1/2":1'-0"

DETAIL G  
1 1/2":1'-0"

ELEVATION 20  
1/4":1'-0"

SECTION 21  
1/2":1'-0"

SECTION 22  
1/2":1'-0"

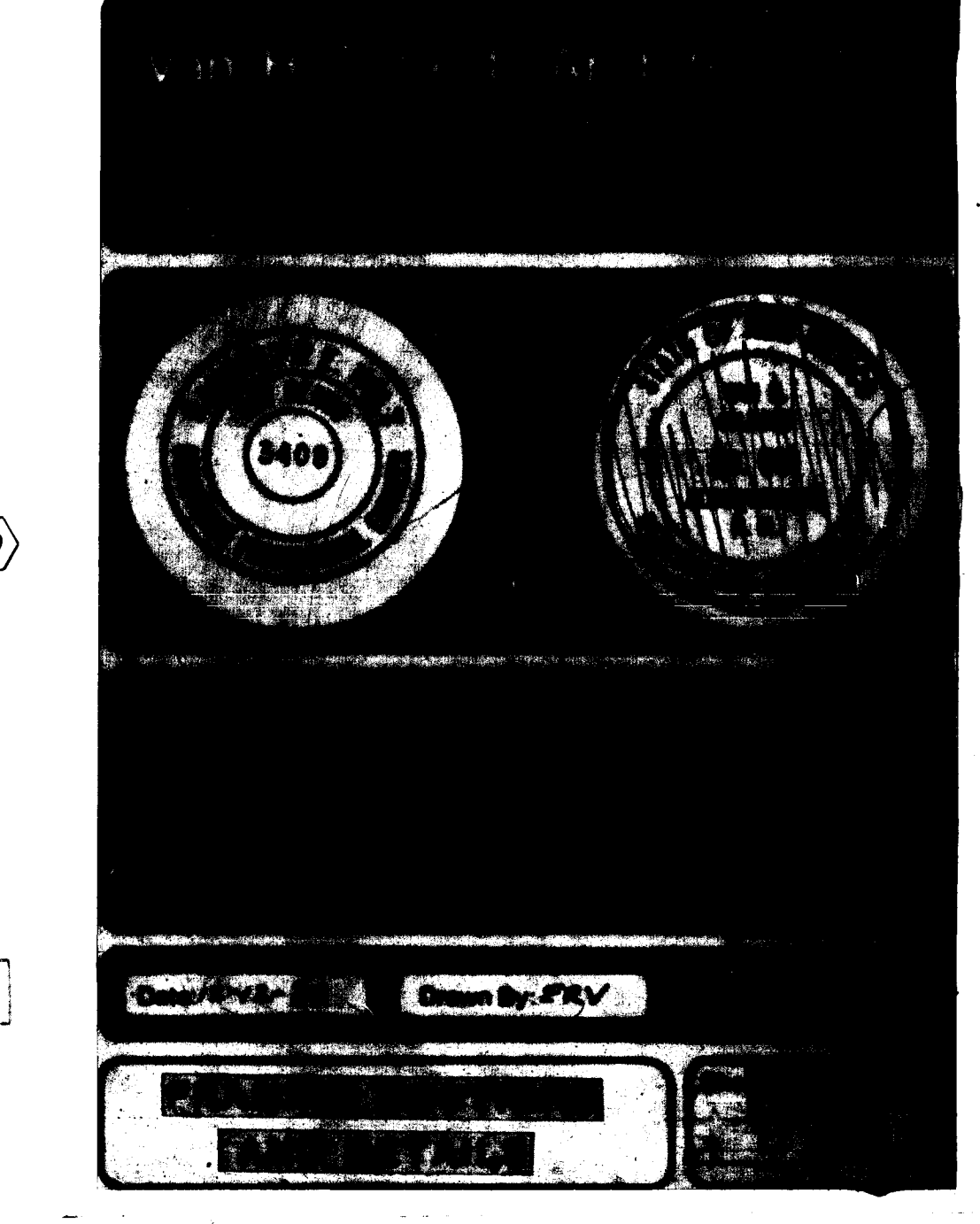
SECTION 23  
1/2":1'-0"

- KEYED NOTES**
1. BEAM, SEE PLAN.
  2. 1/4" STIFFENER PLATE.
  3. COLUMN, SEE SCHEDULE.
  4. BENT PLATE 1/2" X 6" X 0'-0" W/ 4-3/4" H.S.B.
  5. 1/2" CAP PLATE, WITH 4-3/4" H.S.B.
  6. BENT PLATE 1/4" X 6" X 0'-0" W/ 3-3/4" H.S.B.
  7. WT. 5X22.5 WITH 3-3/4" H.S.B.
  8. 2-3/4" X 3/8" X 16'-0" A-325N BOLTS.
  9. 2-3/4" X 3/8" X 16'-0" A-325N BOLTS.
  10. PLATE 1/2" X 11" X 1'-2 1/2".
  11. PLATE 1/2" X 8" X 0'-0".
  12. WT. 5X15'-0" A-325N BOLTS.
  13. 4-3/4" X 3/8" A-325N BOLTS.
  14. 2-3/4" X 3/8" X 16'-0" A-325N BOLTS.
  15. PLATE 1/2" X 11" X 1'-2 1/2".
  16. ONE ANGLE 3/2" X 3/8" X 16'-0" WITH 4-3/4" H.S.B.
  17. WT. 5X22.5 WITH 3-3/4" H.S.B.
  18. PLATE 1/2" X 11" X 1'-2 1/2".
  19. PLATE 1/2" X 8" X 0'-0".
  20. PLATE 3/8" X 7" X 1'-4" WITH 3-3/4" H.S.B.
  21. NOT USED.
  22. 8-3/4" VERTICAL, EQUALLY SPACED.
  23. BRACE, SEE SCHEDULE.
  24. PLATE 1 1/2" X 6" X 1'-3" WITH 2-3/4" X 10" WEJ-ITS.
  25. #3 TIES.
  26. ANGLE 3" X 3" X 1/4" CONTINUOUS.
  27. METAL DECK, SEE PLAN.
  28. 2.5 VS 3 BETWEEN JOISTS, TYPICAL @ ALL EXTERIOR BEAMS.
  29. 6" STEEL STUDS (SEE STEEL STUD WALL NOTES).
  30. JOIST, SEE PLAN.
  31. PLATE 1/2" X 8" X 0'-0" WITH 4-3/4" H.S.B.
  32. 2 ANGLES 3" X 3" X 3/8" X 16'-0" WITH 2-3/4" A-325N BOLTS.
  33. TS 6" X 4" X 3/16".
  34. TS 4" X 4" X 3/16".
  35. 2 ANGLES 3" X 3" X 3/8" X 16'-0" WITH 1-5/8" X 6" WEJ-IT @ EACH ANGLE.
  36. CONCRETE COLUMN, SEE SECTION 3/52.
  37. DIAGONAL BRIDGING.
  38. ANGLE 3" X 3" X 1/4" WITH 1/2" X 1/2" ANCHOR BOLT @ 12" ON CENTER.
  39. ANGLE 3" X 3" X 3/16" BRACE.
  40. 8" CMU TROMBE WALL WITH #5 @ 48" ON CENTER VERTICAL & CORR WITH 2-#5 CONTINUOUS @ 48" ON CENTER HORIZONTAL, GROUT ALL CELLS.
  41. BEND FLANGE CLIP OUTSTANDING FLANGE.
  42. 2 PLATES 3/16" X 6" X 0'-9" WITH 6-3/4" H.S.B.
  43. 1/2" BASE PLATE WITH 4-3/4" H.S.B.
  44. 1/2" OF BEAM SPLICE, SEE TYPICAL DETAIL F/55.
  45. TS 5 X 5 X 1/4 COLUMN.
  46. ANGLE 2" X 2" X 1/4" CONTINUOUS.
  47. WT. 5X22.5 WITH 5-3/4" H.S.B.
  48. CANAL GA. STUD @ EA. VERT. WALL STUD.
  49. 4X16" @ 16" ON CENTER.
  50. 2-3/4" H.S.B.
  51. 3/8" PLATE WITH 3-3/4" H.S.B.

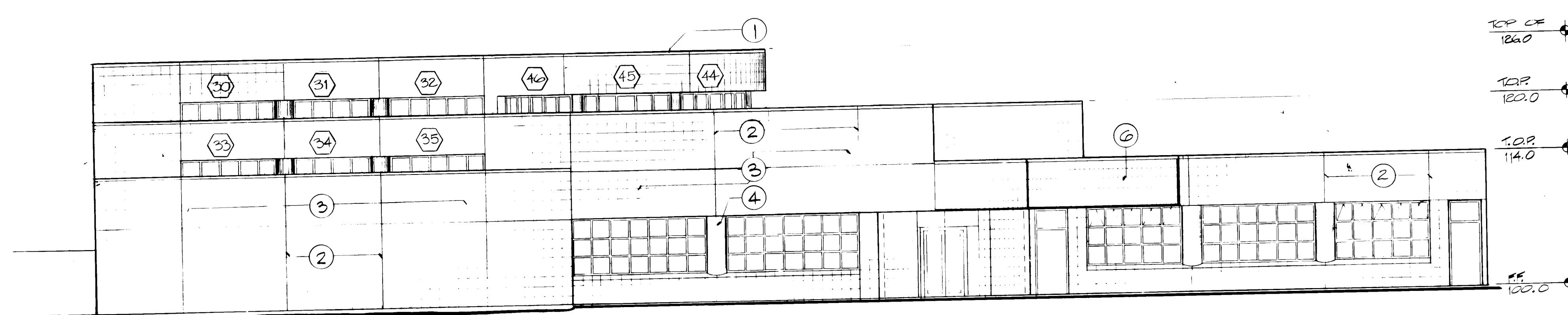
**RECORD DRAWING**

REV. AS BUILT.

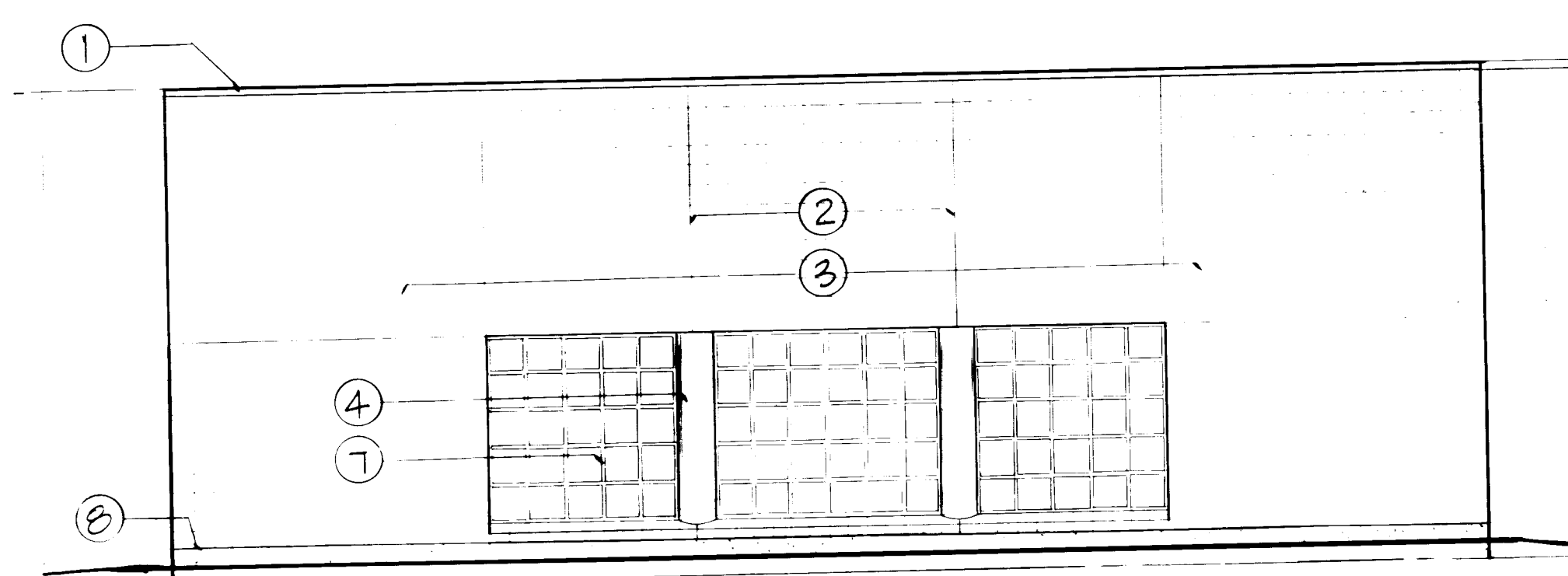
ENTIRE SHEET HAS BEEN REVISED 3/17/86



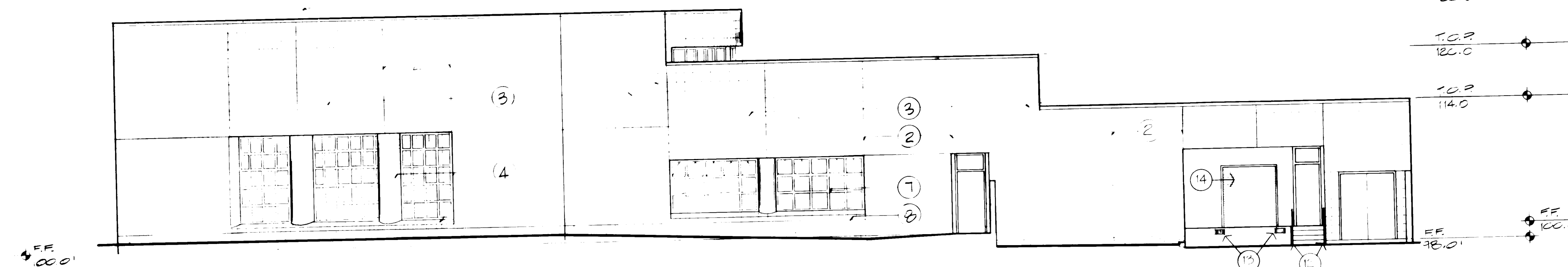




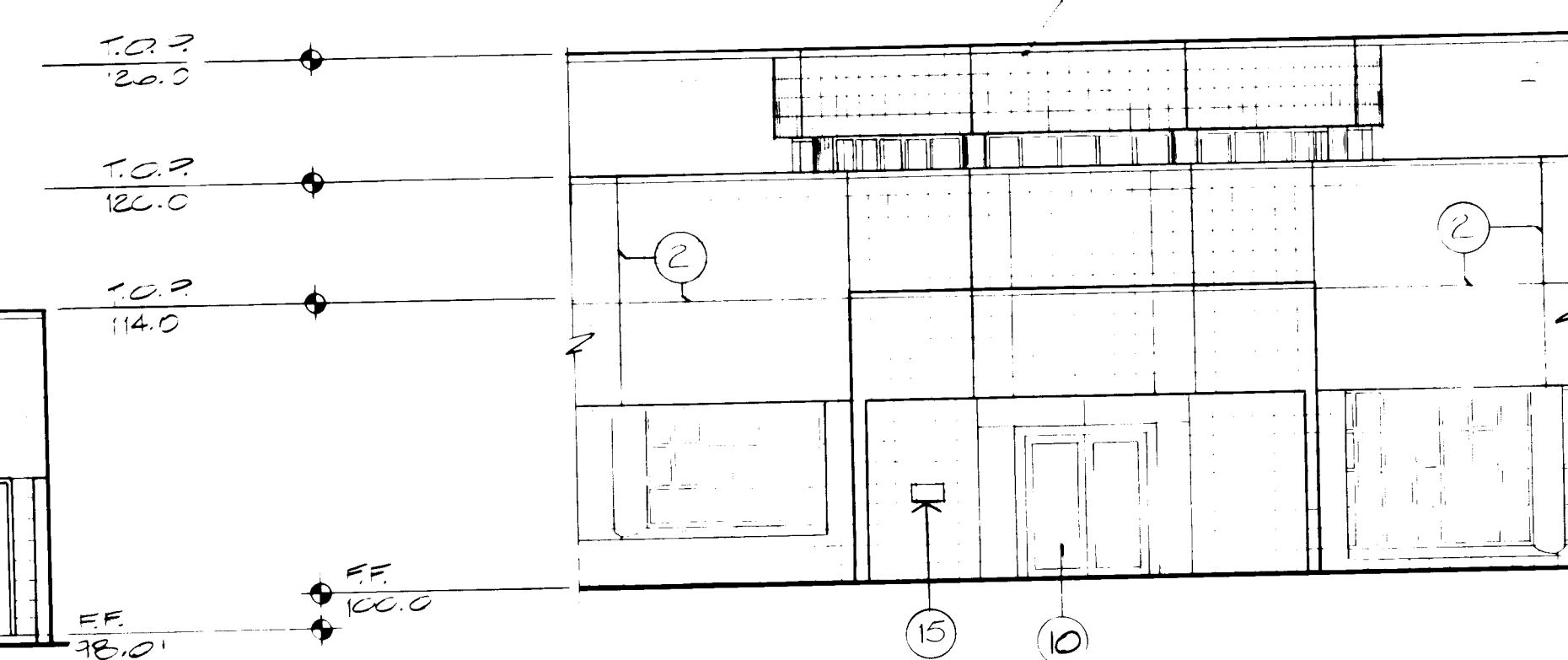
**WEST ELEVATION**  
1/8"=1'-0"



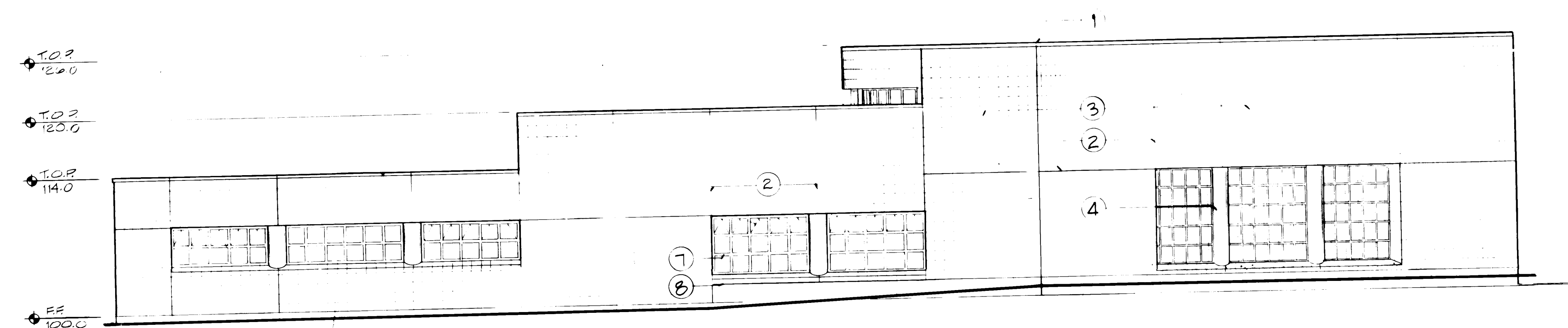
**NORTHEAST ELEVATION**  
1/8"=1'-0"



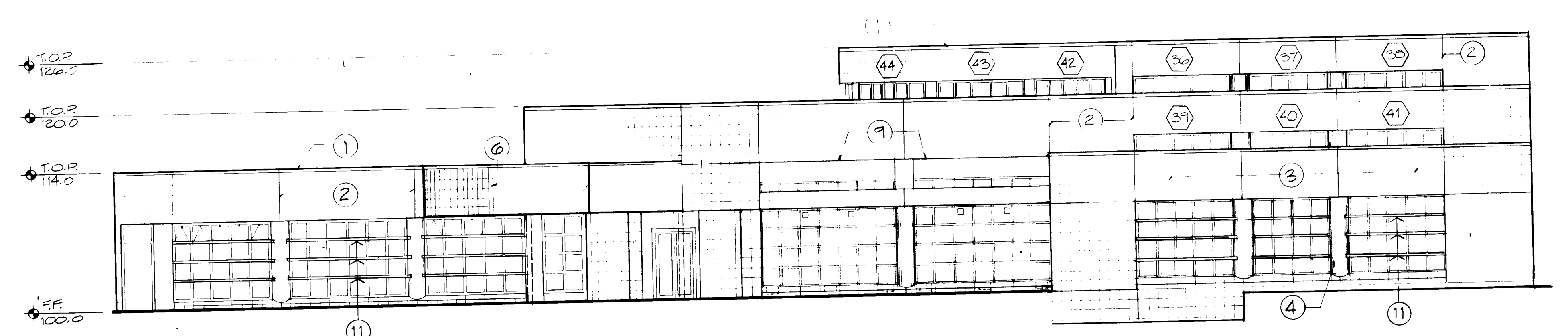
**NORTH ELEVATION**  
1/8"=1'-0"



**SOUTHWEST ELEVATION**  
1/8"=1'-0"



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



**SOUTH ELEVATION**  
1/8"=1'-0"

**NOTES**

1. ALUMINUM PARAPET COPING; SEE SHEET A-18.
2. 1/4" CONTROL JOINT, TYPICAL.
3. CERAMIC PORCELAIN FACING TILE. TILE MODULE IS 11-3/4" X 11-3/4" WITH 1/4" GROUT JOINT. WALLS ARE LAID OUT BASED ON THIS DIMENSION. CONSULT ARCHITECT BEFORE USING OTHER THAN WHOLE TILES.
4. CONCRETE COLUMN. BASE BID W/RUBBED FINISH.
5. ALTERNATE #12 PROVIDE W/LIGHT SANDWICH FINISH.
6. DELETED.
7. ENTRANCE OVERHANG, WING WALLS, COURTYARD WALLS AND GATES NOT SHOWN FOR CLARITY.
8. STEEL WINDOWS; SEE SHEET A-9.
9. CONCRETE FOUNDATION SILL.
10. OPENING IN OVERHANG; SEE 6/A-3, FOR SECTION THROUGH OPENING.
11. HOLLOW METAL DOOR AND FRAME; SEE SHEET A-9.
12. TROMBE WALL SHADING DEVICE. TYPICAL ALL TROMBE WALL LOCATIONS EXCEPT WALL UNDER OVERHANG. (NOTE #9)
13. 1-1/2" DIA. STEEL PIPE HANDRAILS.
14. LOADING DOCK BUMPER AS SPECIFIED.
15. STEEL ROLL-UP DOOR AS SPECIFIED.
16. AFTER-HOURS BOOK DEPOSITORY. SEE 17/A-12.
17. DELETED.
18. TROMBE WALL VENTILATION PASSAGES WITH OPERABLE GRILLES.
19. OPERABLE WINDOW VENT. TYPICAL. TOP HINGED PROJECT OUT.
20. CURVED WALL 6"X12" TILE.

NOTE: TOP IS EQUAL TO TOP OF STUD WALL FRAMING, NOT TOP OF COPING

**RECORD DRAWING**



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# NOTES

1. EXTERIOR PORCELAIN CERAMIC TILE ON 1" CEMENT PLASTER MORTAR BED ON 3/4" GYP. BOARD. LATH ON 1/2" GYP. BOARD. TONGUE AND GROOVE ASPHALT IMPREG-NATED 1/2" GYPSUM SHEATHING (INSTALL HORIZONTALLY WITH TONGUE UP).
2. LINE OF WALL BEYOND.
3. CONCRETE COLUMN BEYOND.
4. ALUMINUM TUBE SECTION SHADING DEVICE, SEE 4, 5, 6/8-9.
5. 8" CMU TROMBE WALL. FILL EACH CHLL. WITH PINK CLEAN DRY SAND, WHERE THERE IS NO REINFORCING.
6. DELETED.
7. BALLASTED ELASTOMERIC ROOF SYSTEM ON 1-1/2" INSULATION BOARD OVER METAL DECK.
8. R-30 BATT INSULATION, TYPICAL AT ALL CEILING/ ROOF LOCATIONS.
9. 3-5/8" GA. STEEL STUD FRAMING WITH 2 X 2 X 1/4".
10. SUSPENDED LAY-IN ACOUSTICAL CEILING AS SPECIFIED.
11. DELETED.
12. DIFFUSER GRILL, OPERABLE.
13. 5/8" GYPSUM BOARD ON 3-5/8" 25 GA. STEEL STUDS AT 16" O.C.
14. 6" 16 GA. STEEL STUD FRAMING.
15. 5/8" GYPSUM BOARD.
16. FULL R-19 BATT INSULATION. TYPICAL AT ALL EXTERIOR WALLS.
17. 4" X 6" OPERABLE DIFFUSER.
18. PORCELAIN CERAMIC TILE THINSET ON W-R GYPSUM BOARD.
19. WINDOW WALL SYSTEM AS SPECIFIED. SEE SHEET A-9 FOR DETAILS.
20. ALUMINUM PARAPET COPING. SEE 1/A10.
21. 8" CONCRETE CURB WITH 4" X 8" DUCT.
22. 4 X 6 AIR DUCT. LOCATE AS INDICATED ON SHEET A-2.
23. SHEDDING RECESS.
24. FOOTINGS; SEE STRUCTURAL.
25. SHEET METAL MINI-BLIND RECESS, PAINTED.
26. 3/4" 2-COAT GYP. PLASTER WITH KEENE SMOOTH TEXTURE, PAINTED ON 3/4 SELF-FURRING LATH/7/8" BAT CHANNELS AND 1-1/2" STEEL CHANNELS.
27. FABRIC WALL COVERING.
28. PLASTER LEVELING COAT AS A SUBSTRATE FOR WALL FABRIC.
29. RIGID PERIMETER INSULATION, R-5.8 MINIMUM.
30. AT 1-HR. RATED FIRE WALL CONTINUE STUDS & GYP. BD. UP TO ROOF DECK AT OTHER WALLS. FINISH CAN STOP AT CEILING. CONTINUE EVERY FOURTH STUD TO STRUCTURE.
31. CONC. ROW STRIP, SEE SHEET C-4.
32. BITUMINOUS WATERPROOFING, AS SPECIFIED.
33. TROMBE WALL TWIST GRILL. CONNECTED TO SHEET METAL DUCT TO TROMBE WALL SPACE.

**BUILDING SECTION**  
1/8"=1'-0"

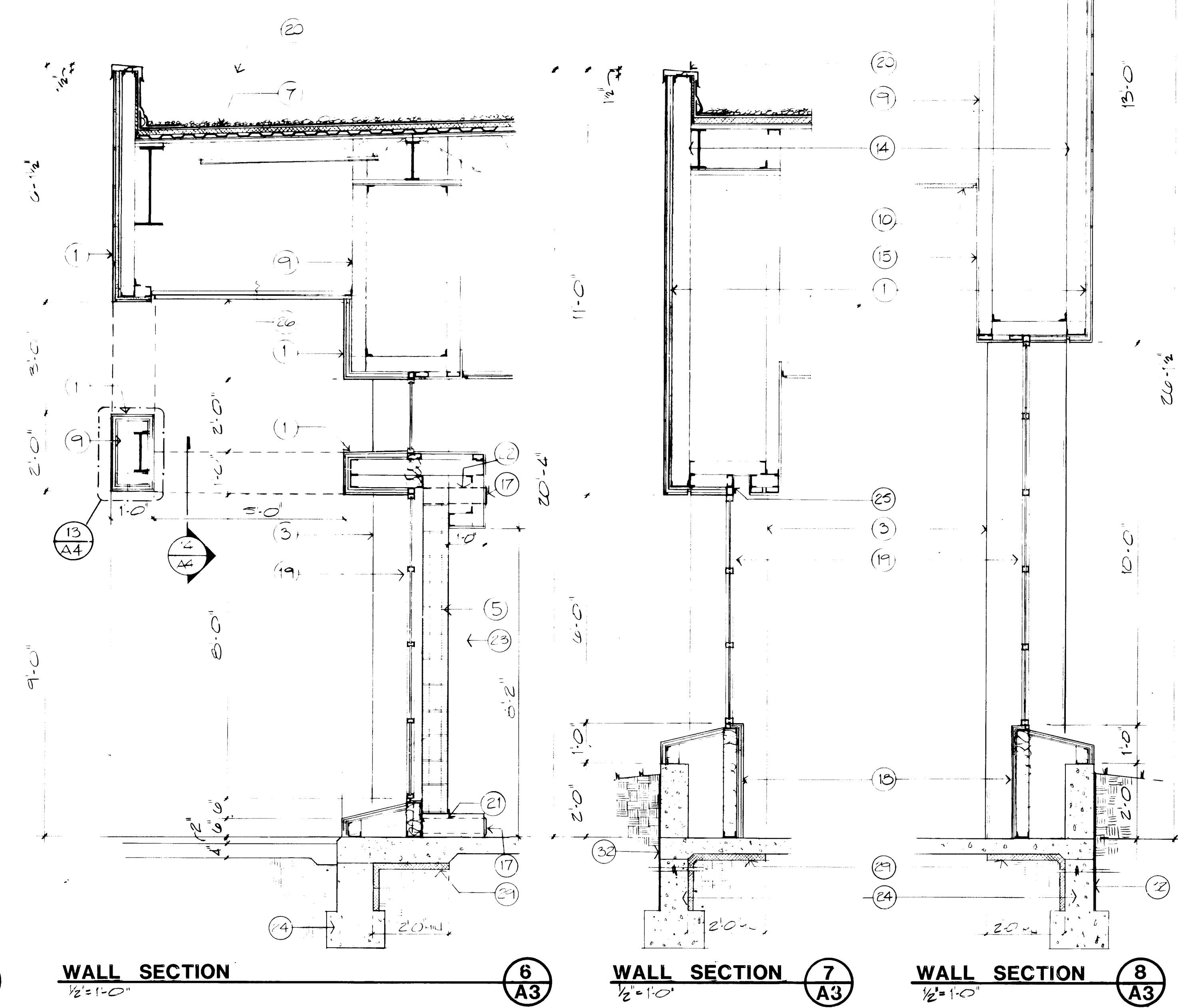
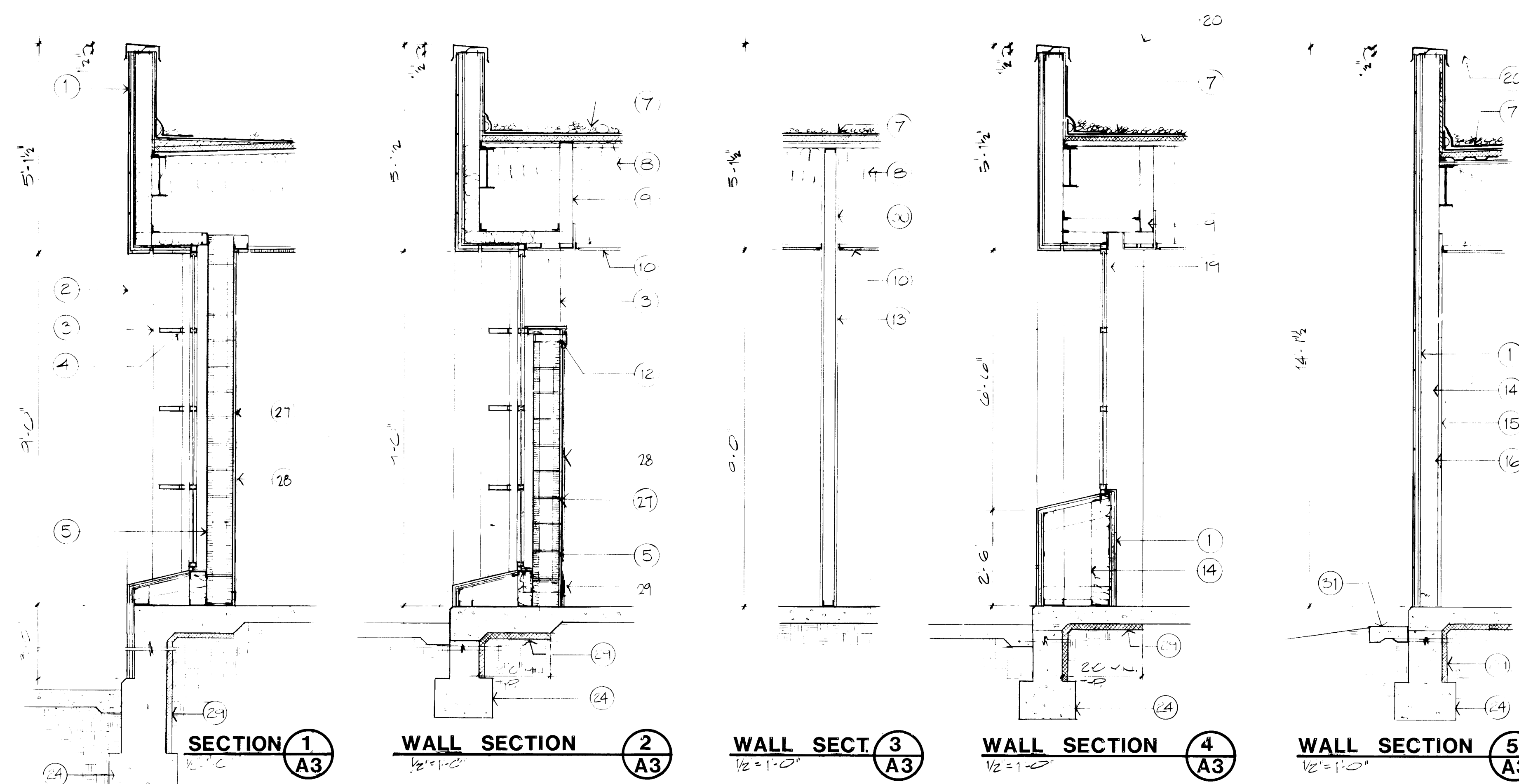
**BUILDING SECTION**  
1/8"=1'-0"

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1/8"=1'-0"

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1/8"=1'-0"

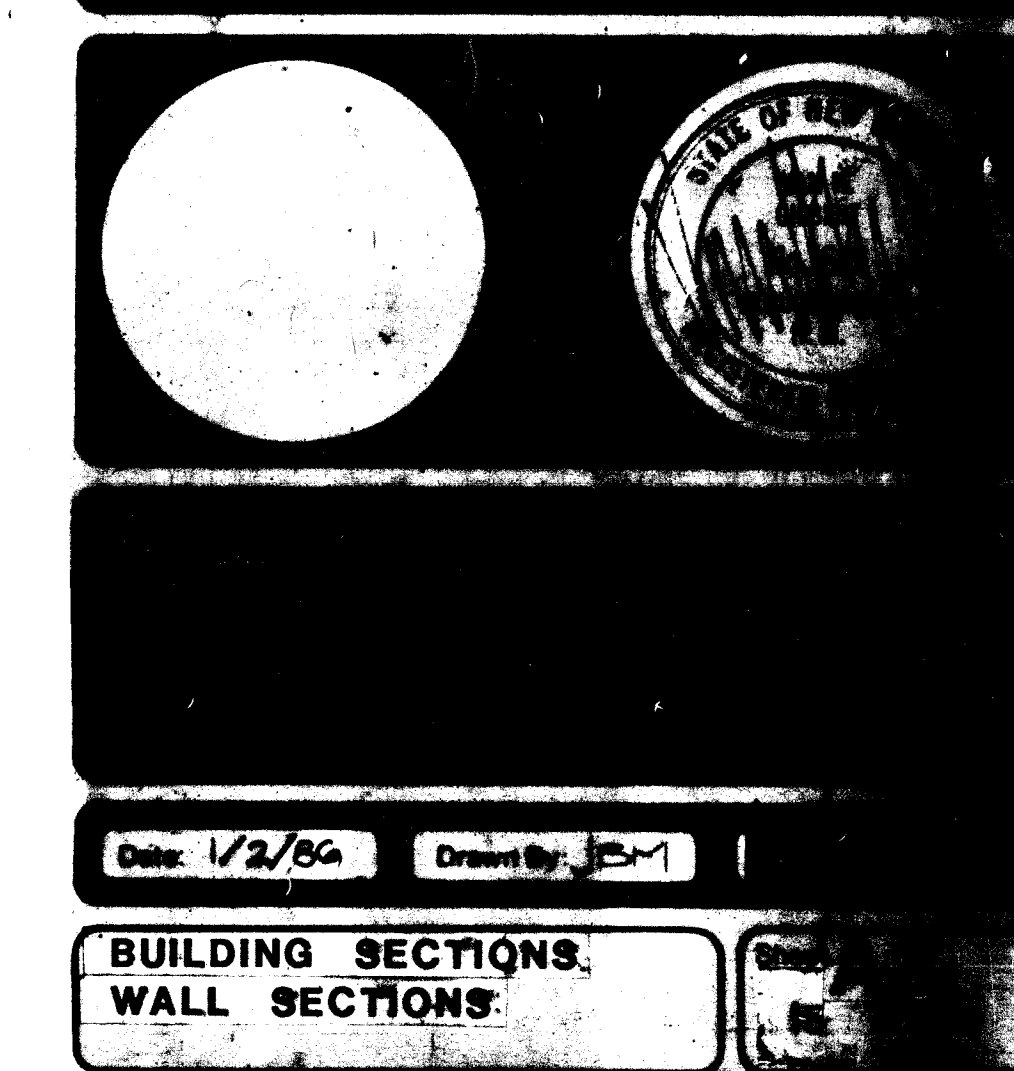
**BUILDING SECTION**  
1/8"=1'-0"



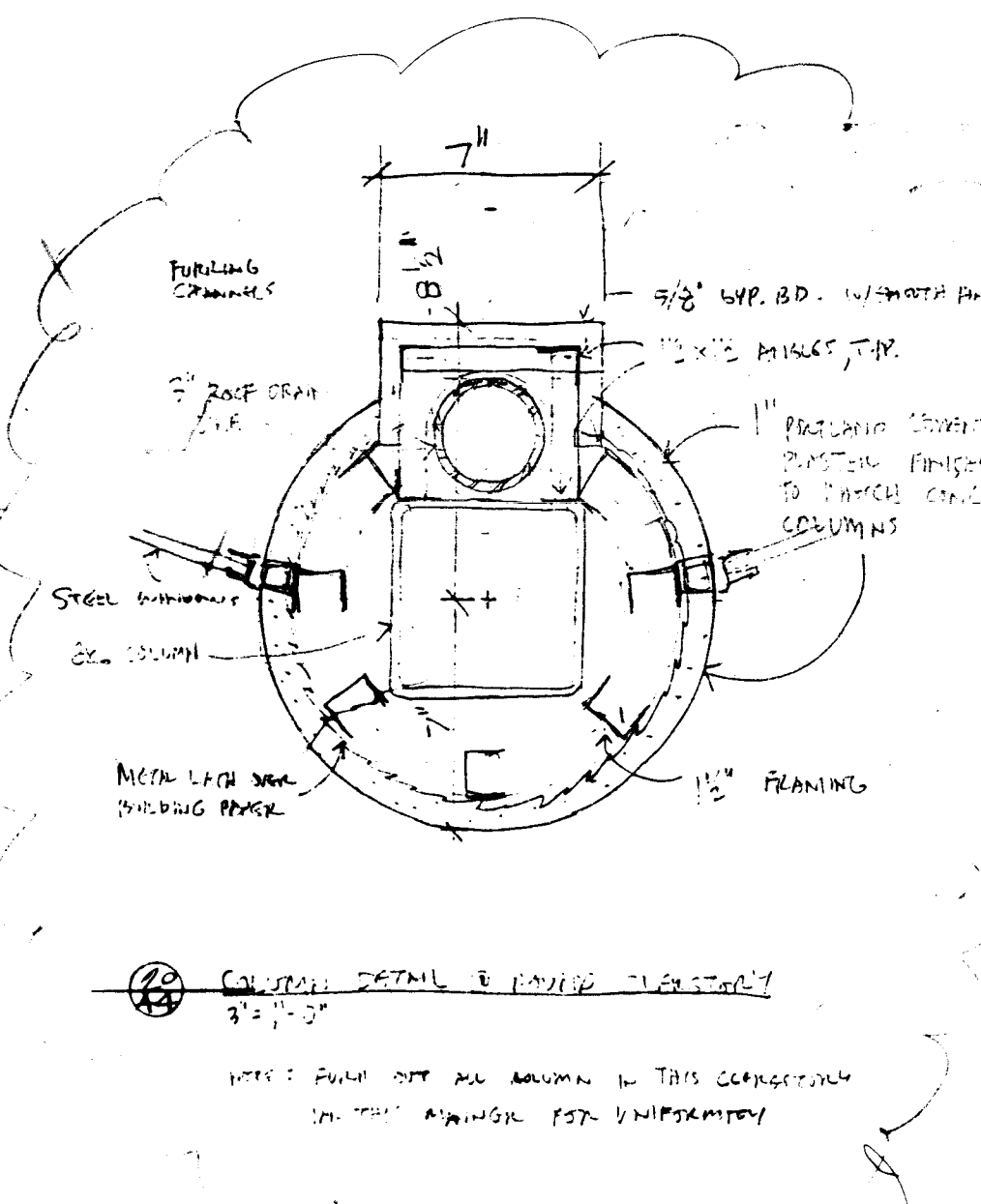
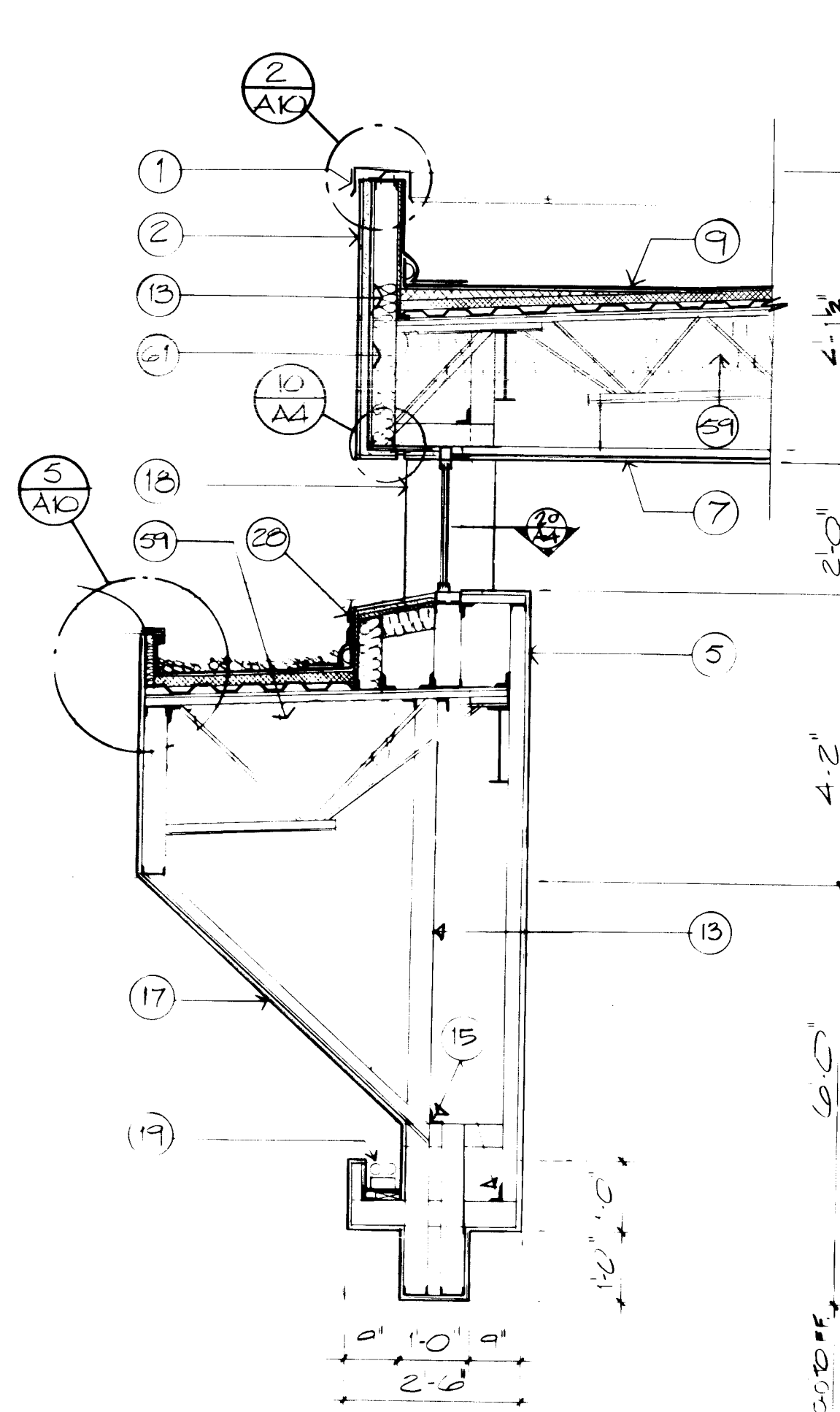
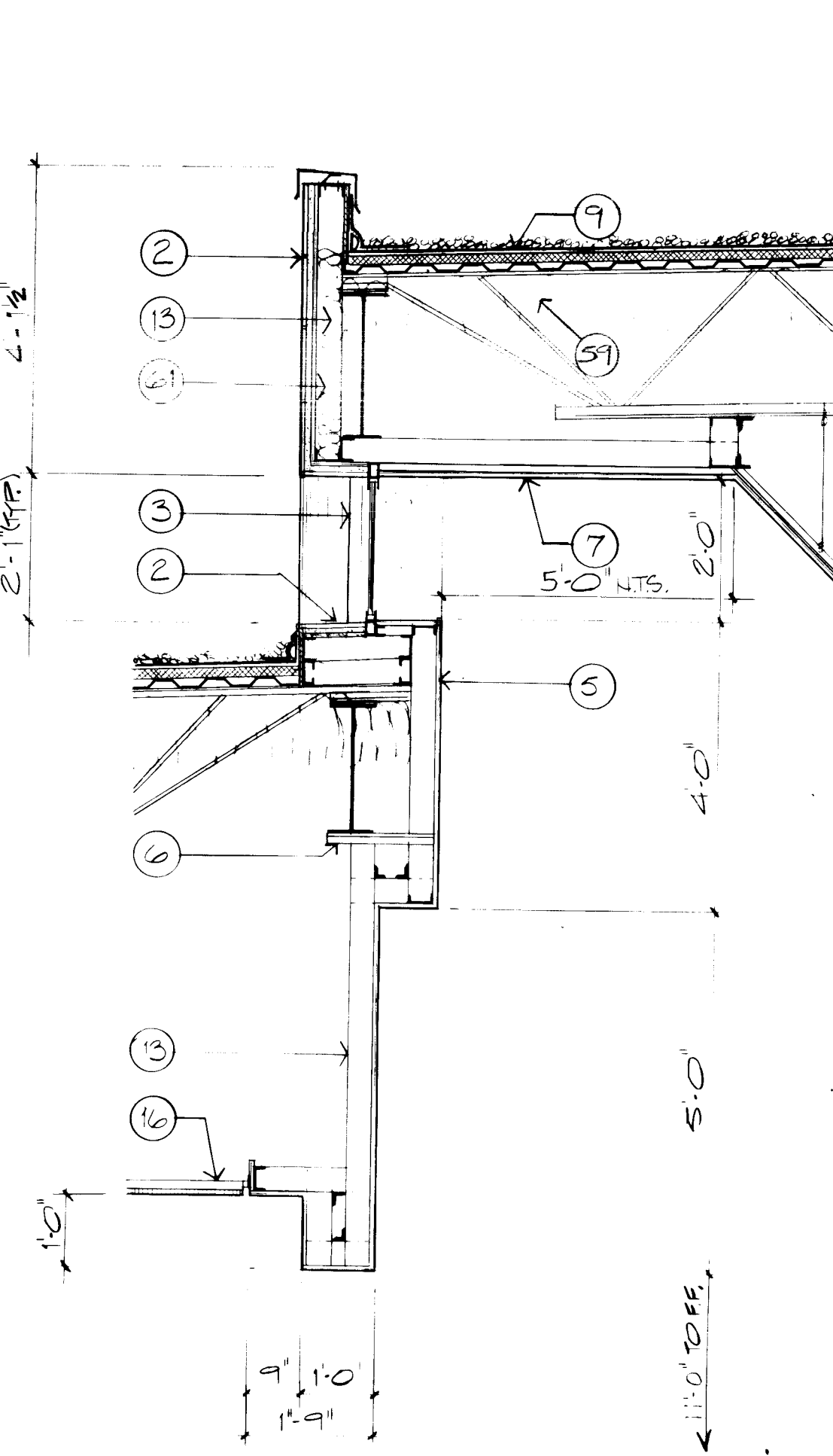
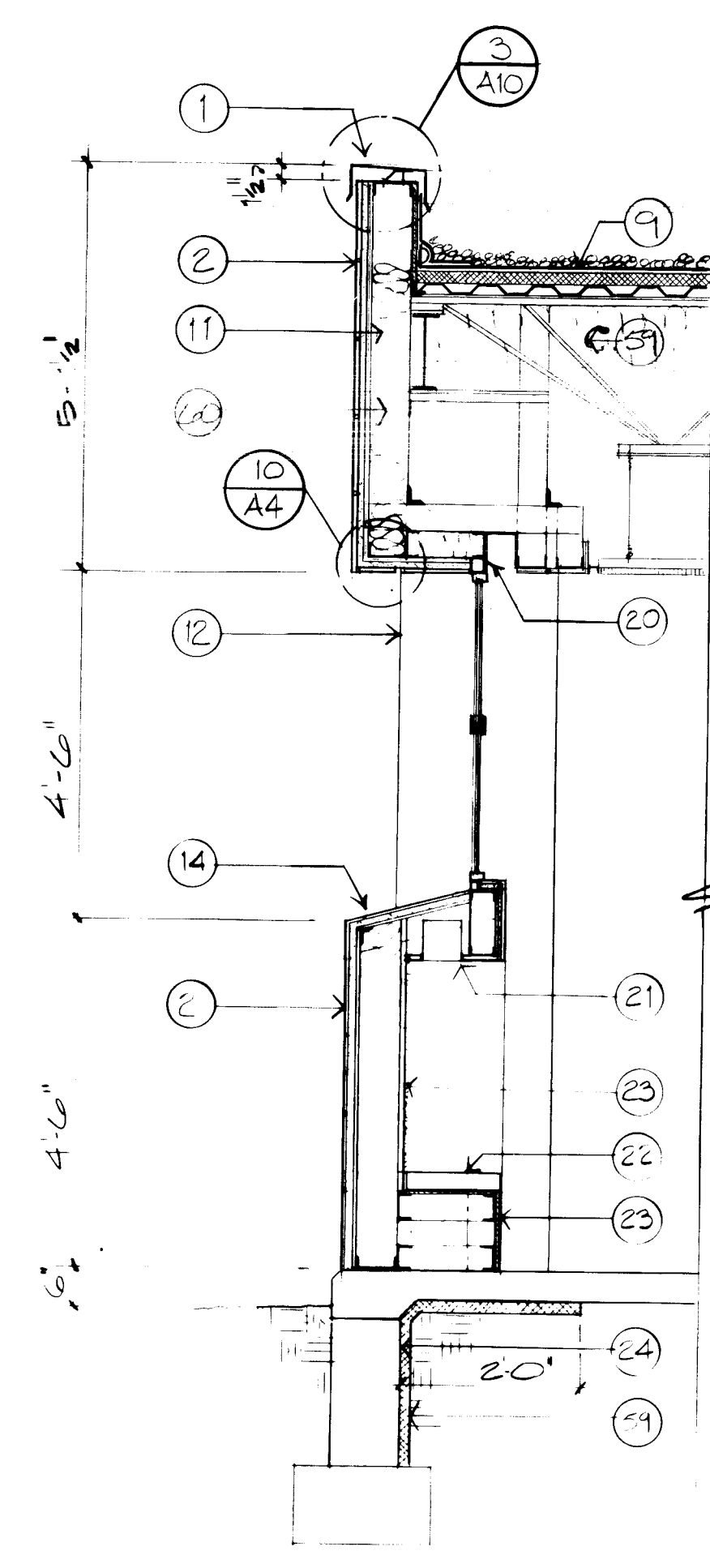
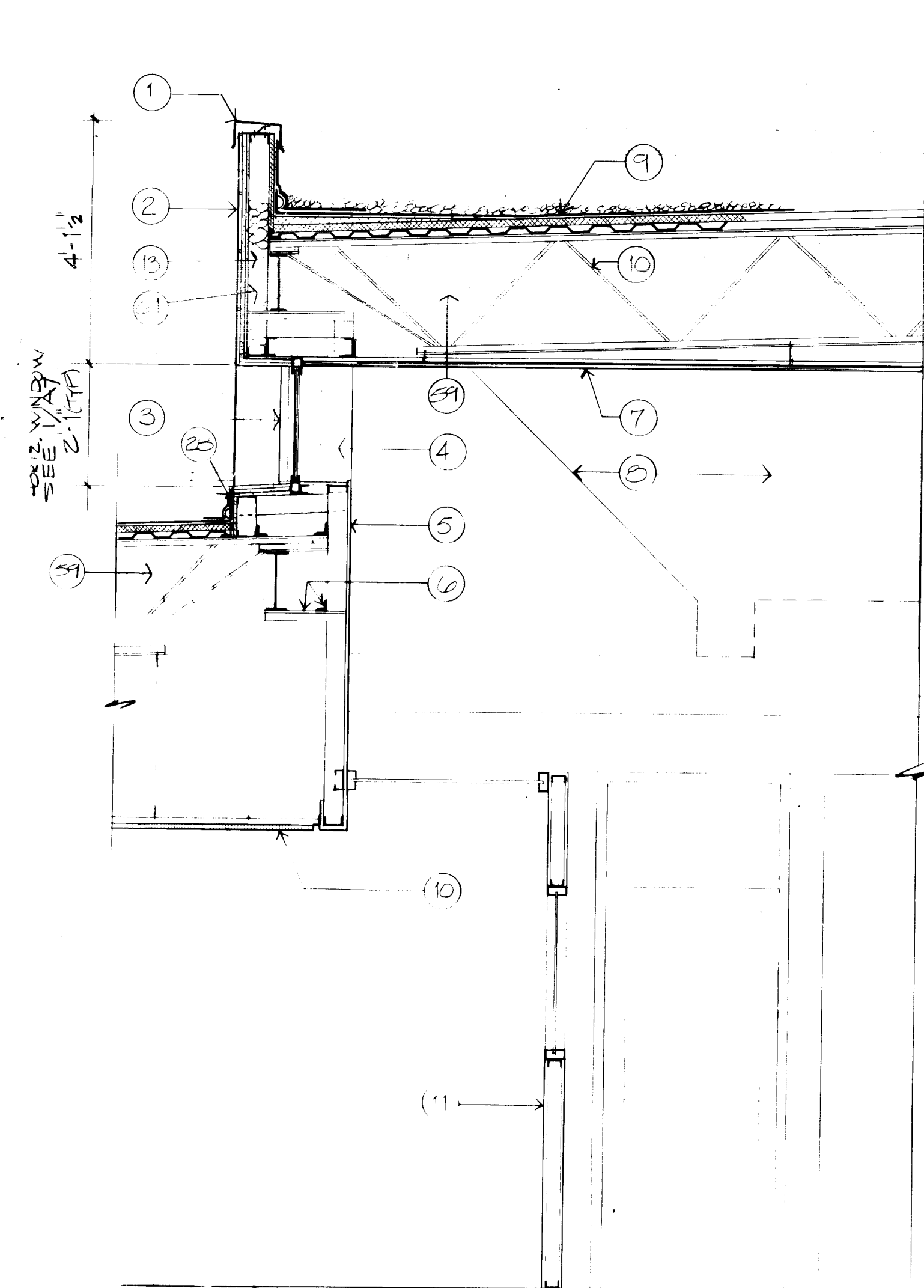
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## RECORD DRAWING

Van H Gilbert Architect



1986

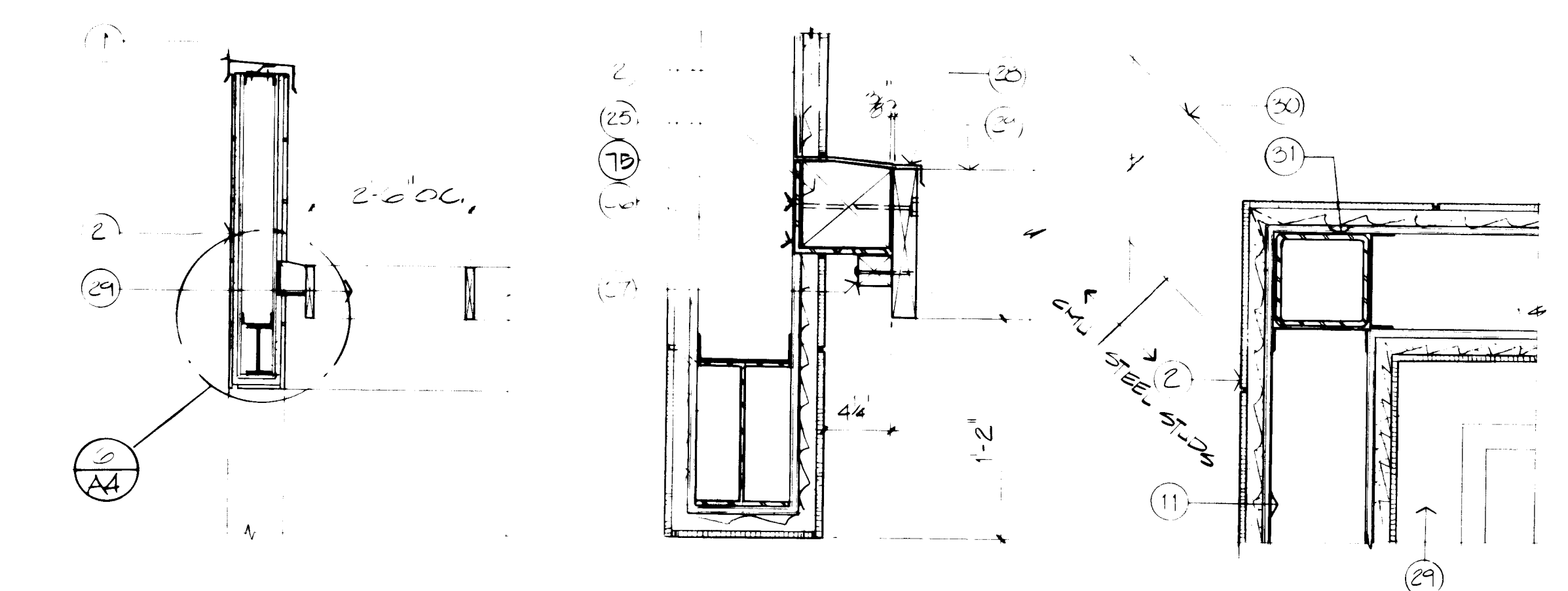


**NOTES**

1. ALUMINUM PARAPET COPING; SEE DETAIL 3/A-10.
2. INTERIOR TILE SYSTEM CONSISTING OF PORCELAIN CERAMIC TILE ON 1" MORTAR BED ON GYPBOARD SWAGING, AS SPECIFIED.
3. STUCCO COLUMN COVER, SEE 16/A-4.
4. STEEL SASH GLAZING SYSTEM AS SPECIFIED.
5. 3/4" GYPBOARD.
6. 2" X 2" X 1/4" ANGLE USED TYPICALLY THROUGHOUT FRAMING. SEE STRUCTURAL FOR FRAMING DETAILS.
7. SUSPENDED GYPBOARD CEILING.
8. LINE OF WALL BEYOND.
9. ELASTOMERIC BALLASTED ROOFING SYSTEM AS SPECIFIED.
10. OPEN WEB STEEL JOIST; SEE STRUCTURAL.
11. 6" X 16 GA. STEEL STUD FRAMING.
12. 2"-0" DIAMETER CONCRETE COLUMN.
13. 4" X 16 GA. STEEL STUD FRAMING AT 24" O.C. TYPICAL ALL CLERESTORY FRAMING.
14. PRECAST CONCRETE BEAM; SEE DETAIL 11/A-4.
15. 2" X 2" X 1/4" STEEL ANGLE BENT TO PROPER RADIUS.
16. SUSPENDED LAY-IN ACOUSTICAL CEILING AS SPECIFIED.
17. 3/8" GYPBOARD ON SLOPE LIGHTGAGE METAL FRAMING. TYPICAL FRAMING ALL SKYLIGHT WELLS.
18. 14" CONCRETE COLUMN W/ROBBER FINISH. ALTERNATE #12 PROVIDE W/LIGHT SANDBLAST FINISH.
19. FLUORESCENT COVE LIGHTING.
20. SHEET METAL MINI-BLIND RECESS, PAINTED.
21. RECESSED LIGHTING, SEE ELECTRICAL.
22. SEAT CUSHION; SEE SHEET 12/A-12.
23. CRACK AS SCHEDULED.
24. FOUNDATION; SEE STRUCTURAL.
25. 6" X 6" SOLID WOOD BLOCKING, CHAMFER TOP SLIGHTLY FOR DRAINAGE.
26. 6" X 6" X 3/8" STEEL ANGLE, PAINTED.
27. 2" X 2" WOOD TRIM.
28. SHEET METAL FLASHING.
29. 2 X 10 EGGCRATE TRELLIS, SPECIAL PAINT COATING AS SPECIFIED.
30. COURTYARD WALL BELOW.
31. 6" X 6" X 1/4" COLUMN.
32. 1-1/2" DOVETAIL ANCHOR CAST IN.
33. 1/2" SEALANT JOINT TYPICAL AT SILLS.
34. CMU TROMBE WALL, 8" X 8" X 16" CMU EXTERIOR FACE SCORED TO 8" X 8" MODULES AND PAINTED WITH SOLAR PAINT AS SPECIFIED, FILL ALL VACANT CELLS WITH FINE, CLEAN, DRY SAND AS SPECIFIED.
35. 3/4" GYP PLASTER ON 3/4" SELF-FORMING LATH.
36. CORNER REINFORCEMENT AS SPECIFIED.
37. TAPERED INSULATION CRICKET 1/4" PER FOOT SLOPE MINIMUM. SEE SHEET A-10 FOR EXTENT.
38. 1-1/2" X 1-1/2" X 12" RECESS AT TROMBE WALL LOCATIONS ONLY. SEE ELEVATIONS FOR LOCATIONS.
39. MECHANICAL FASTENER.
40. 3/4" X 3/4" X 1/8" TUBE SECTION ANCHORED INTO SILL.
41. LINE OF CONCRETE COLUMN POSITION.
42. KEYS RECESS 1/4" WIDE X 3/4" DEEP.
43. "M" MOLD.
44. WALL COVERING AS SPECIFIED, COLOR BY ARCHITECT.
45. 4" REINFORCING COLUMN. SEE STRUCTURAL.
46. 2" COLD-ROLLED STEEL BRACING.
47. DELETED.
48. DELETED.
49. DELETED.
50. DELETED.
51. IMPERVIOUS FILL COMPACTED TO 95% PROCTOR.
52. PORCELAIN CERAMIC TILE SET ON 8" CMU.
53. METAL EXPANSION JOINT WITH SEALANT BACKER.
54. 3/8" PLYWOOD SPACER.
55. 1" X 1" X 1/8" TUBE SECTION WELDED TO STUD WALL.
56. 7/8" STUCCO ON MESH W/FLOAT SLUSH OVER VAPOR BARRIER.
57. ROOF DRAIN DOWN PIPE; SEE MECHANICAL FOR LOCATIONS.
58. 1-1/2" RIGID INSULATION.
59. R-30 FULL BATT INSULATION.
60. R-19 FULL BATT INSULATION IN CMU EXTERIOR FOR STUD WALLS.
61. R-11 FULL BATT INSULATION IN CMU EXTERIOR FOR STUD WALLS.
62. PERMANENT WATERPROOFING AS SPECIFIED. UNDER NO CONDITION SHALL WATER PENETRATION BE EXPOSED ABOVE GRADE.
63. #3 REBAR AS INDICATED.
64. 2" X 2" X 1/4" ANGLE ANCHORED AT 12" OC.
65. R-SCHED AS SPECIFIED.
66. NEON TRANSFORMER LOCATION. SEE P/A-6.
67. 2 1/2" X 16 GA. STEEL STUDS.
68. METAL FLASHING SET IN SEALANT.
69. SILICONE BUILDING SEALANT.
70. 1 1/2" X 1/8" VINYL FOAM TAPE W/INTEGRAL BOND BREAK.
71. PORCELAIN CERAMIC TILE.
72. 1/2" X 1/8" GAUGE STEEL TUBE, TACK WELD @ 12" O.C. @ PERIMETER.
73. SILICONE BUILDING SEALANT W/BACKER ROD.
74. 1 1/2" GALV. METAL DECK.
75. 1/2" X 4" LAG BOLT @ 4'-0" O.C. MIN. W/WASHER.
76. 1/2" X 5" LAG BOLT @ 4'-0" O.C. MIN. W/WASHER. COUNTER SINK BOLT SO THAT THE HEAD IS FLUSH W/THE WOOD.

**CLERESTORY SECTION**  
1/2" = 1'-0"

1  
A4



**SECTION**  
1/2" = 1'-0"

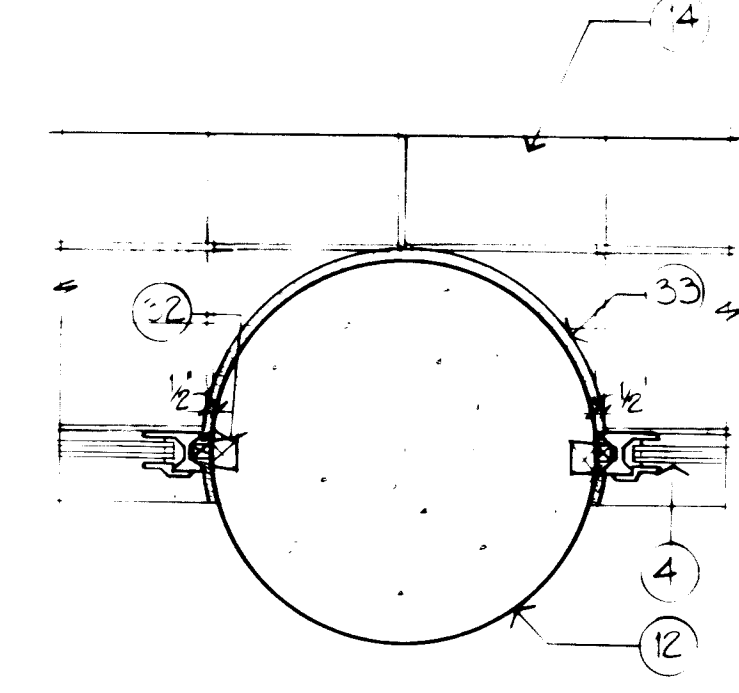
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A4

**SECTION DETAIL**  
1/2" = 1'-0"

6  
A4

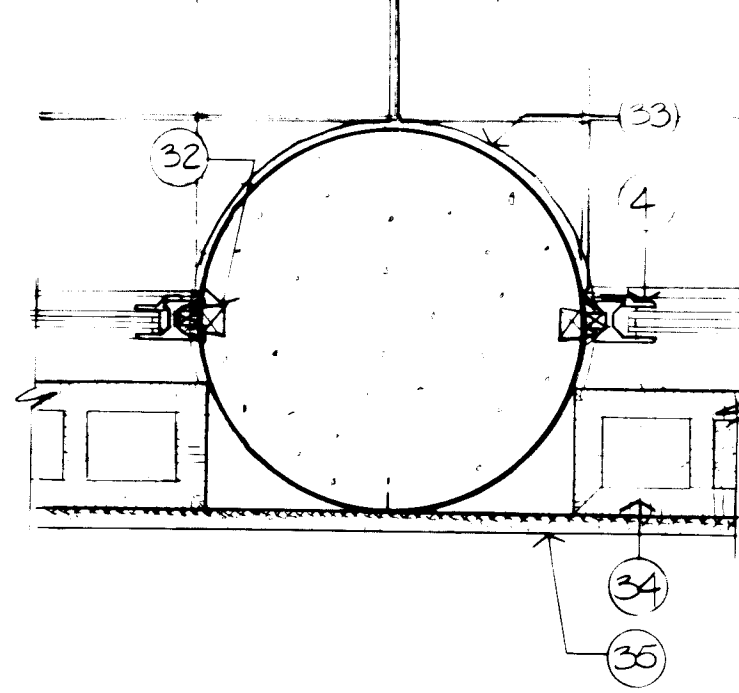
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1/2" = 1'-0"

7  
A4



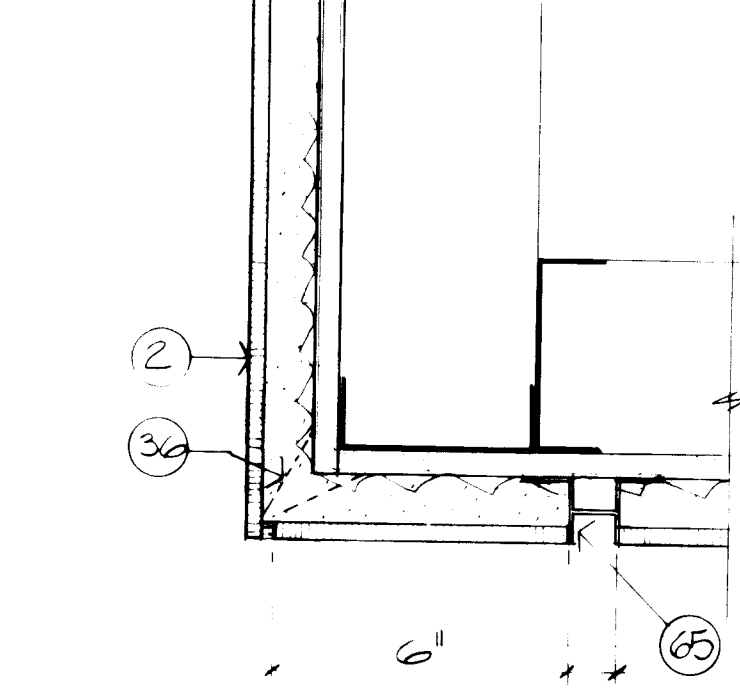
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1/2" = 1'-0"

8  
A4



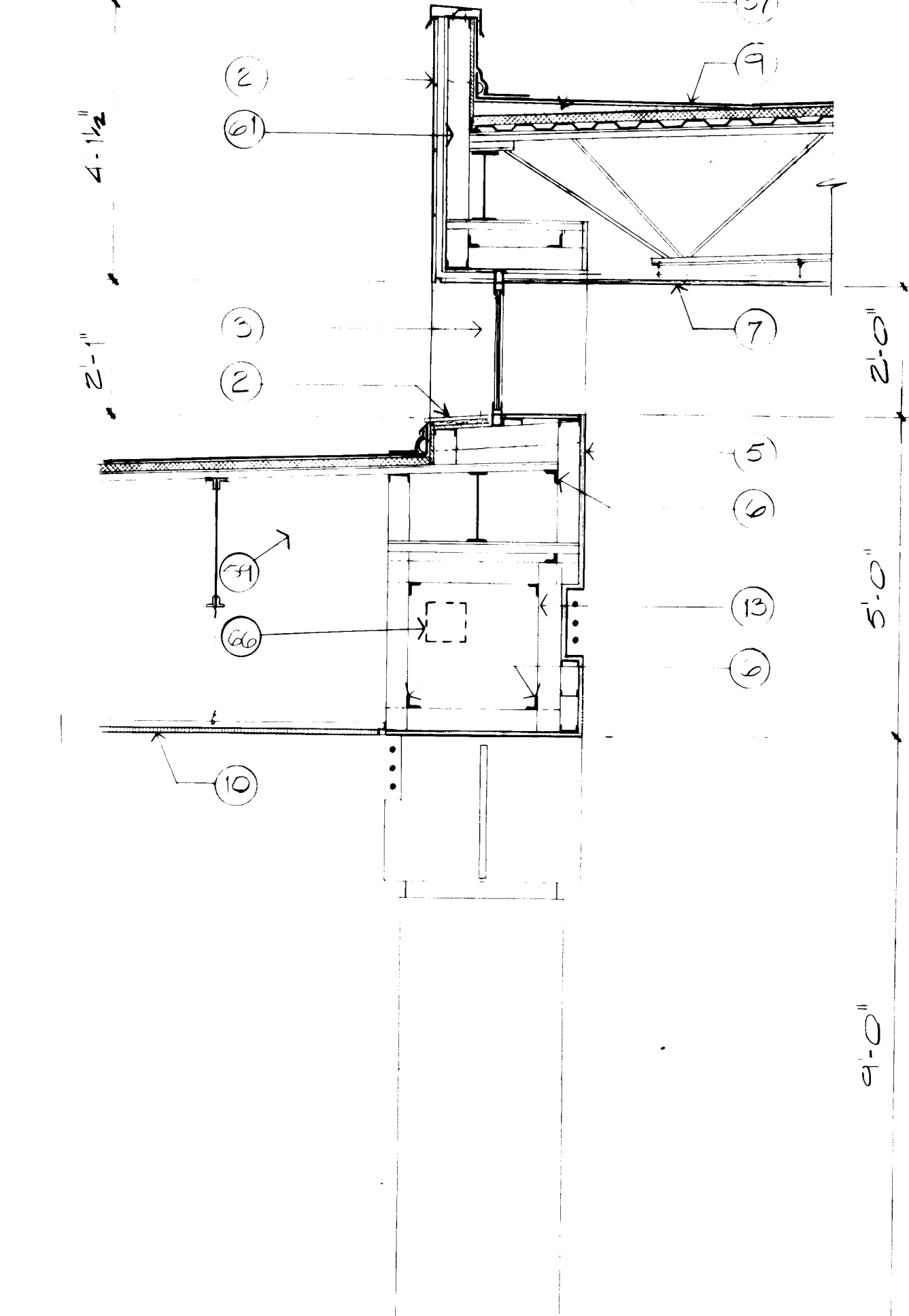
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1/2" = 1'-0"

9  
A4



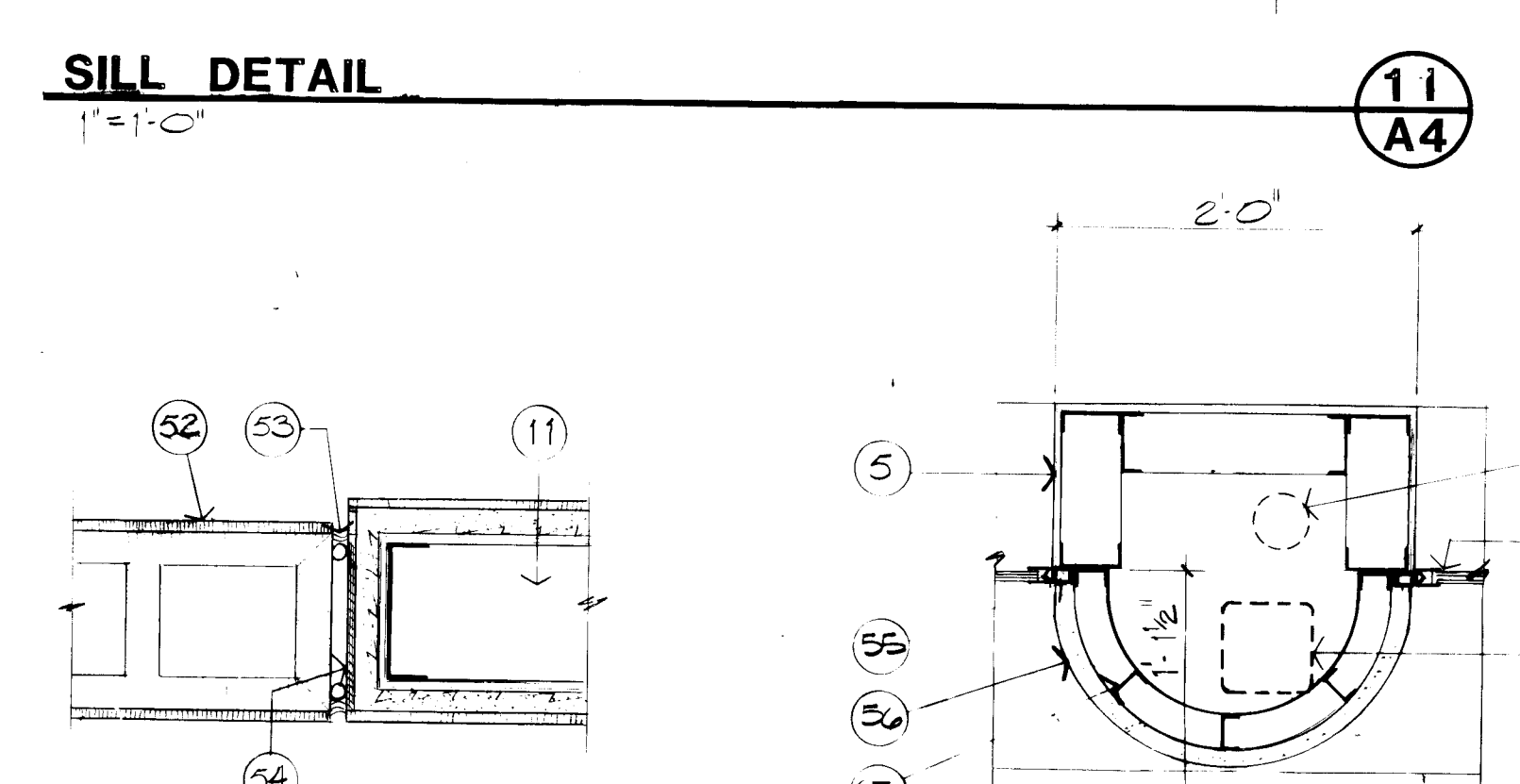
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1/2" = 1'-0"

10  
A4



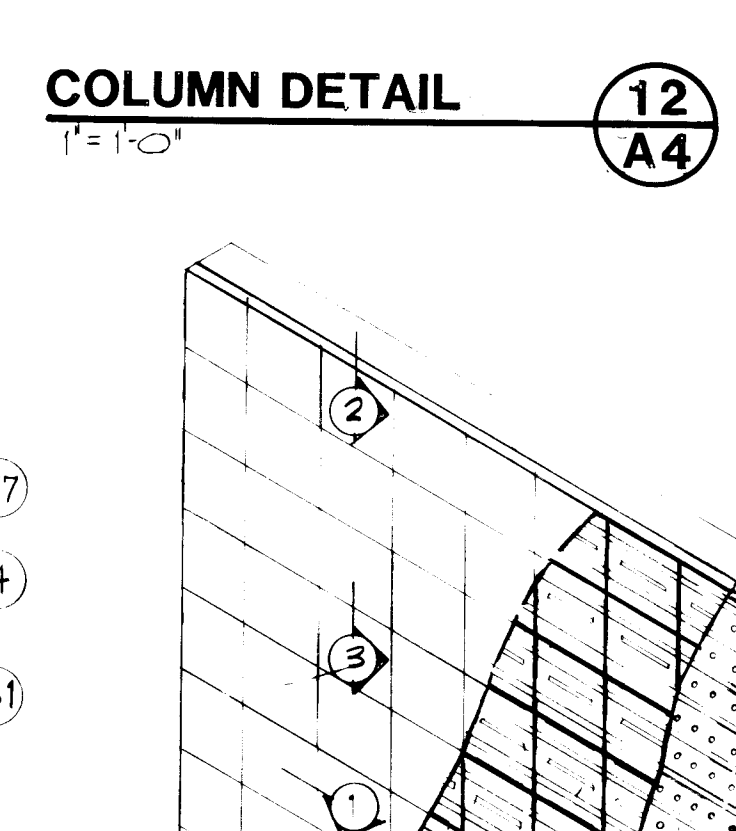
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1/2" = 1'-0"

16  
A4



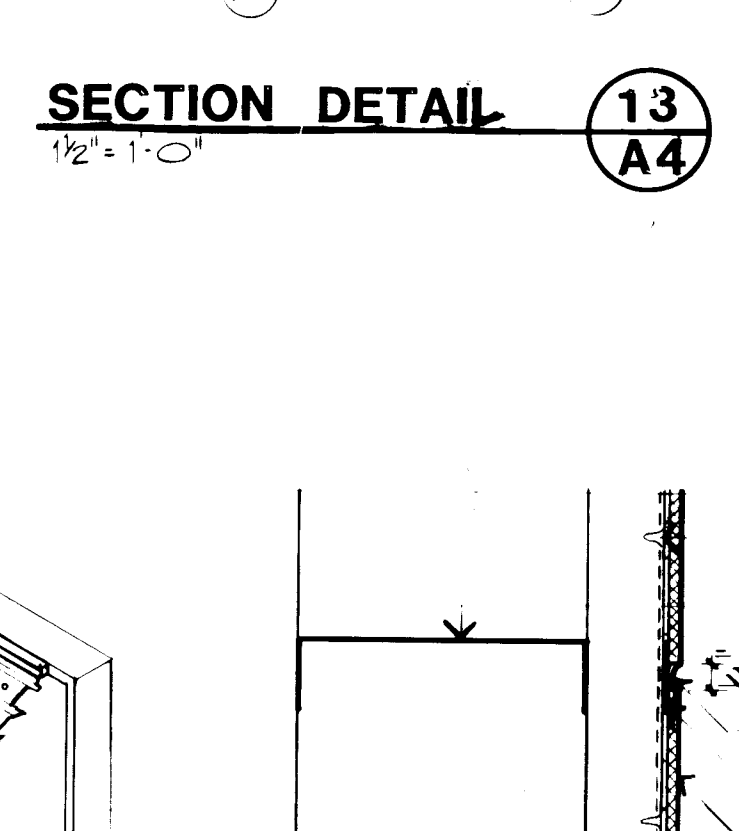
**SILL DETAIL**  
1/2" = 1'-0"

11  
A4



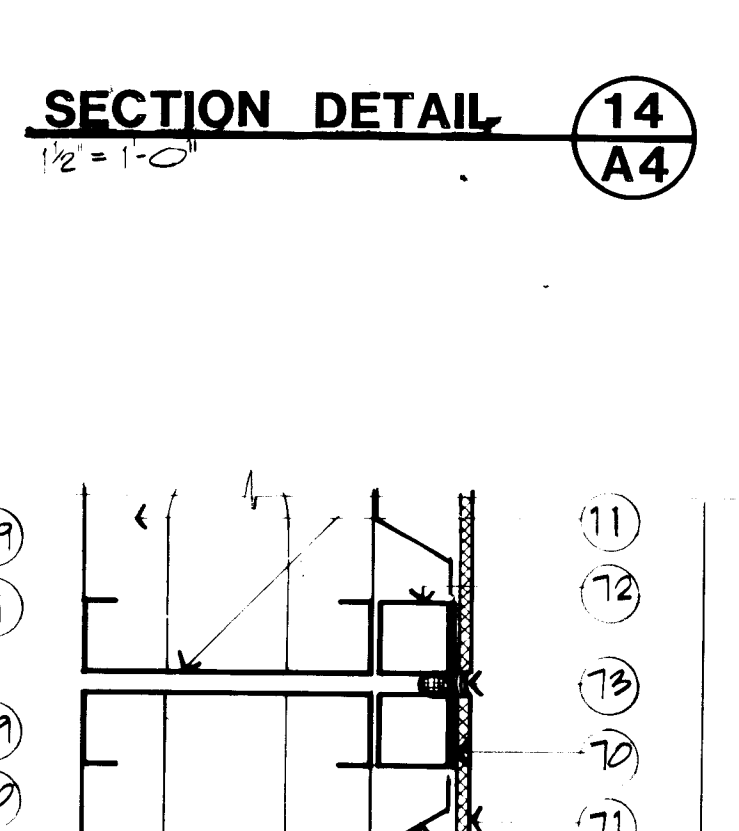
**COLUMN DETAIL**  
1/2" = 1'-0"

12  
A4



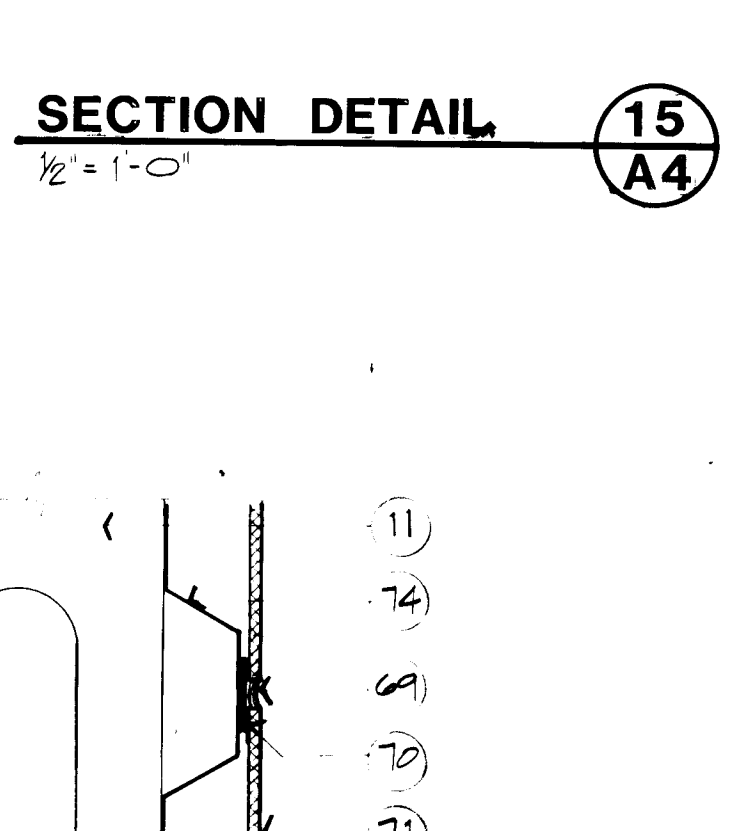
**SECTION DETAIL**  
1/2" = 1'-0"

13  
A4



**SECTION DETAIL**  
1/2" = 1'-0"

14  
A4



**SECTION DETAIL**  
1/2" = 1'-0"

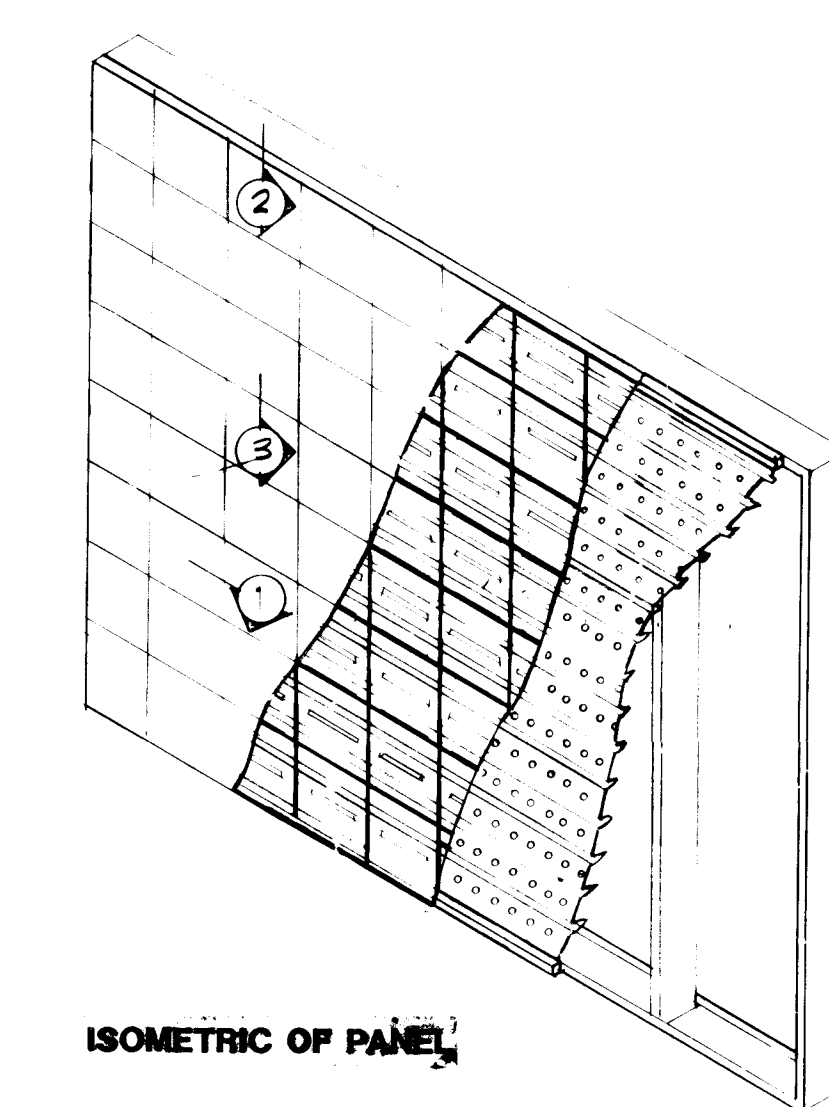
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**PLAN DETAIL**  
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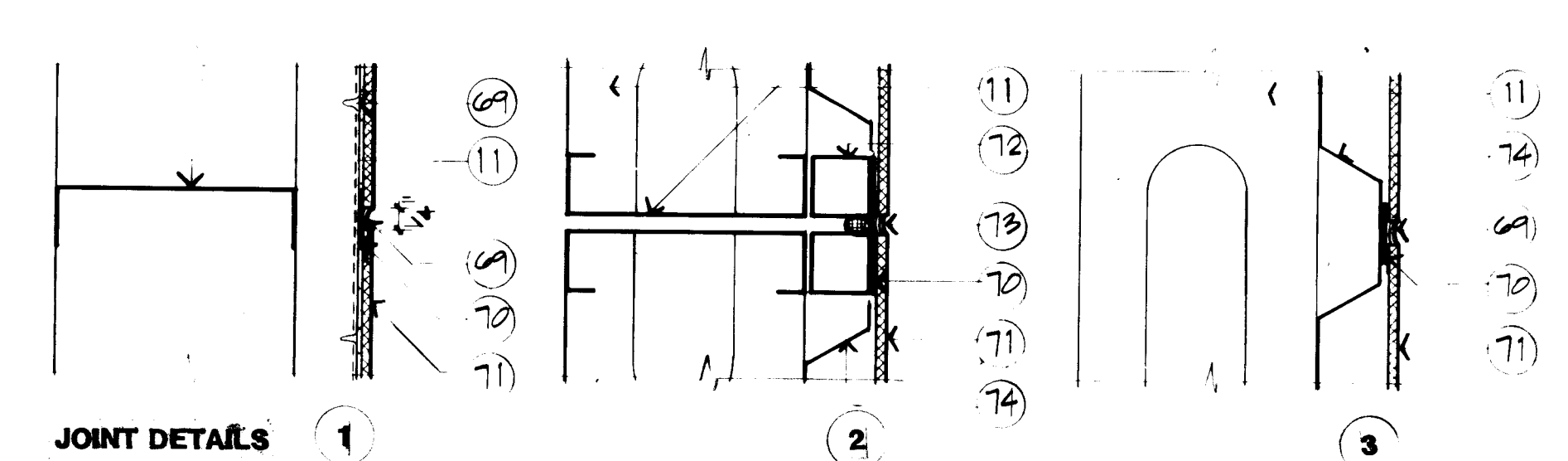
17  
A4

**PLAN DETAIL**  
1/2" = 1'-0"

18  
A4



**ISOMETRIC OF PANEL**



**JOINT DETAILS**

**PREFAB TILE PANEL DETAILS**  
N.T.S.

19  
A4

26 1986 1687

**RECORD DRAWING**

REV - AC BUILT



**SECTIONS AND DETAILS**

1986

| ROOM FINISH AND COLOR SCHEDULE |                           |       |      |      |          |         |       |         |  |
|--------------------------------|---------------------------|-------|------|------|----------|---------|-------|---------|--|
| ROOM NO.                       | NAME                      | FLOOR | BASE | WALL | WAINSCOT | CEILING | MISC. | REMARKS |  |
| 01                             | ENTRY                     |       |      |      |          |         |       |         |  |
| 02                             | HALL                      |       |      |      |          |         |       |         |  |
| 03                             | CATALOGUE                 |       |      |      |          |         |       |         |  |
| 04                             | ADULT INFORMATION         |       |      |      |          |         |       |         |  |
| 05                             | HALL                      |       |      |      |          |         |       |         |  |
| 06                             | ADULT STACKS AND READING  |       |      |      |          |         |       |         |  |
| 07                             | HALL                      |       |      |      |          |         |       |         |  |
| 08                             | CIRCULATION               |       |      |      |          |         |       |         |  |
| 09                             | BOOKDROP                  |       |      |      |          |         |       |         |  |
| 10                             | WOMEN                     |       |      |      |          |         |       |         |  |
| 11                             | MEN                       |       |      |      |          |         |       |         |  |
| 12                             | OFFICE                    |       |      |      |          |         |       |         |  |
| 13                             | WORKROOM                  |       |      |      |          |         |       |         |  |
| 14                             | CORRIDOR                  |       |      |      |          |         |       |         |  |
| 15                             | STAFF LOUNGE              |       |      |      |          |         |       |         |  |
| 16                             | RESTROOM                  |       |      |      |          |         |       |         |  |
| 17                             | DELIVERY                  |       |      |      |          |         |       |         |  |
| 18                             | JANITOR                   |       |      |      |          |         |       |         |  |
| 19                             | TELEPHONE                 |       |      |      |          |         |       |         |  |
| 20                             | ELECTRICAL                |       |      |      |          |         |       |         |  |
| 21                             | LANDSCAPE STORAGE         |       |      |      |          |         |       |         |  |
| 22                             | CHILDRENS ENTRY           |       |      |      |          |         |       |         |  |
| 23                             | PICTURE BOOK AREA         |       |      |      |          |         |       |         |  |
| 24                             | PROGRAM AREA              |       |      |      |          |         |       |         |  |
| 25                             | CHILDRENS STACKS, READING |       |      |      |          |         |       |         |  |
| 26                             | ALCOVE                    |       |      |      |          |         |       |         |  |
| 27                             | BOYS                      |       |      |      |          |         |       |         |  |
| 28                             | GIRLS                     |       |      |      |          |         |       |         |  |
| 29                             | ELECTRICAL                |       |      |      |          |         |       |         |  |
| 30                             | STORAGE                   |       |      |      |          |         |       |         |  |

ALTERNATE # 7

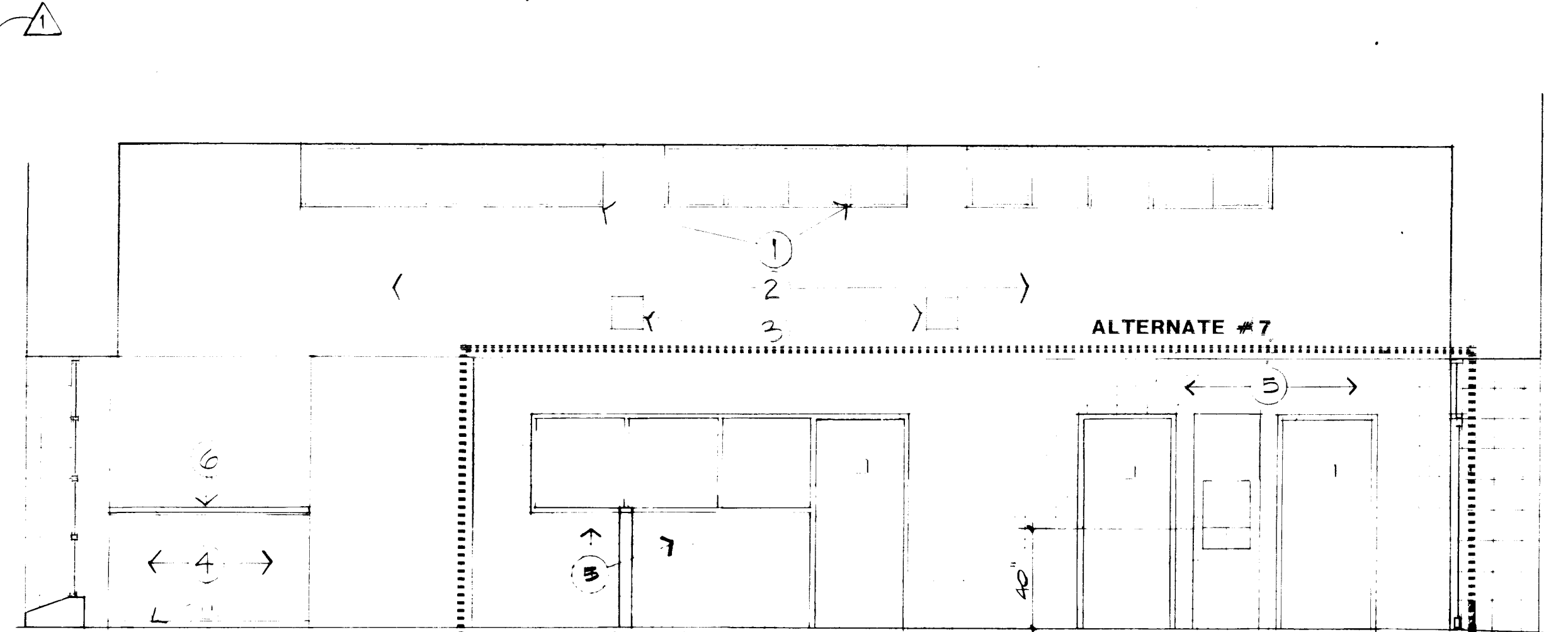
DO NOT SCALE. DIMENSIONS ORIENTED NEARLY HORIZONTAL

DO NOT SCALE. DIMENSIONS ORIENTED NEARLY HORIZONTAL

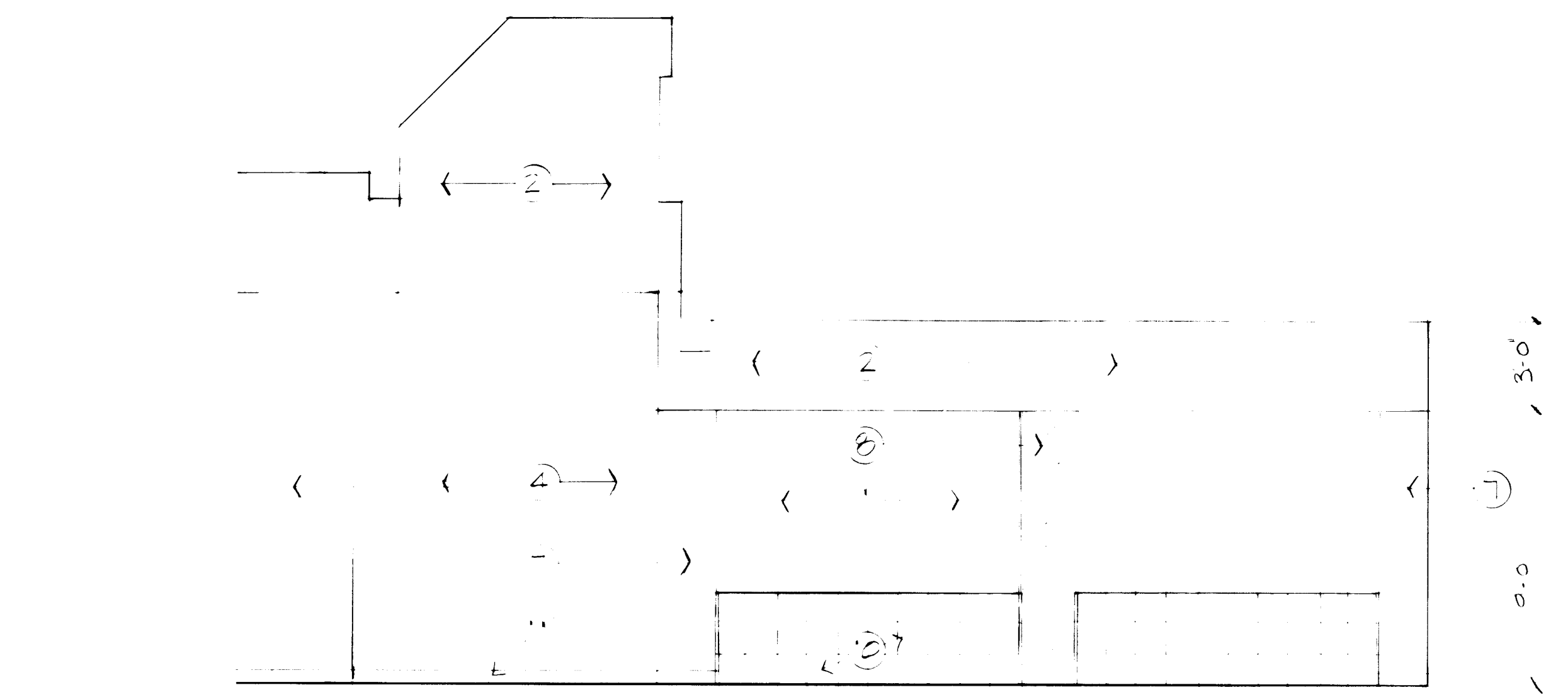
DO NOT SCALE. DIMENSIONS ORIENTED NEARLY HORIZONTAL

| FINISH AND COLOR CODE |                                                                      |
|-----------------------|----------------------------------------------------------------------|
| CODE                  | DESCRIPTION                                                          |
| A.                    | LA FIANDRE PORCELAIN TILE - 'ADAMELLO'                               |
| B.                    | KNOLL TRIANON CARPET SQUARES - CUSTOM COLOR - 'DARK ORCHID' (RIVOLI) |
| C.                    | DAL-TILE CERAMIC MOSIAC TILE DK-482 'STERLING'                       |
| D.                    | DAL-TILE CERAMIC MOSIAC TILE DK-468 'LILAC'                          |
| E.                    | DAL-TILE CERAMIC MOSIAC TILE DK-14 'LIGHT GREY'                      |
| F.                    | SPECIAL COATING - COLOR TO MATCH KNOLL CARPET COLOR - 'DARK ORCHID'  |
| G.                    | JOHNSONITE VINYL BASE - 'TAUPE'                                      |
| H.                    | DAL-TILE SOFTONES WALL TILE DK-1482 'STERLING'                       |
| I.                    | DAL-TILE SOFTONES WALL TILE DK-1468 'LILAC'                          |
| J.                    | LA FIANDRE PORCELAIN TILE - 'ADAMELLO' POLISHED                      |
| K.                    | KNOLL WALL FABRIC WALL COVERING, CHELSEA                             |
| L.                    | KNOLL FURROWS WALLCARPETING - W510/27 'MAUVE'                        |
| M.                    | KNOLL FURROWS WALLCARPETING - W510/27 'MAUVE'                        |
| N.                    | KOWA TILE (NAS-100/PR-4)                                             |
| O.                    | ZOLATONE COATING - #43-14993                                         |
| P.                    | LATEX PAINT TO MATCH BENJAMIN MOORE GT-72                            |
| Q.                    | ZOLATONE COATING #43-21002DS                                         |
| R.                    | LUXALON CELL CEILING #30980 - 'GREY'                                 |
| S.                    | ENAMEL SEMI-GLOSS PAINT - TO MATCH BENJAMIN MOORE ET-72              |
| T.                    | GRABER MINI-BLINDS - COLOR #123 - MAUVE                              |
| U.                    | HIGH GLOSS ALKYL ENAMEL - TO MATCH BENJAMIN MOORE GN-45              |
| V.                    | ENAMEL PAINT TO MATCH KOWA TILE, LETTER 'N' ABOVE                    |
| W.                    | ENAMEL PAINT TO MATCH ZOLATONE COATING, LETTER 'R' ABOVE             |
| X.                    | ENAMEL PAINT TO MATCH ZOLATONE COATING, LETTER 'P' ABOVE             |
| Y.                    | ENAMEL PAINT TO MATCH DAL-TILE DK-1482, LETTER 'H' ABOVE             |
| Z.                    | ENAMEL PAINT TO MATCH DAL-TILE DK-1468, LETTER 'J' ABOVE             |
| AA.                   | ENAMEL PAINT TO MATCH DAL-TILE DK-1468, LETTER 'L' ABOVE             |
| BB.                   | ENAMEL PAINT TO MATCH DAL-TILE DK-1468, LETTER 'L' ABOVE             |
| CC.                   | ENAMEL PAINT TO MATCH DAL-TILE DK-1468, LETTER 'L' ABOVE             |

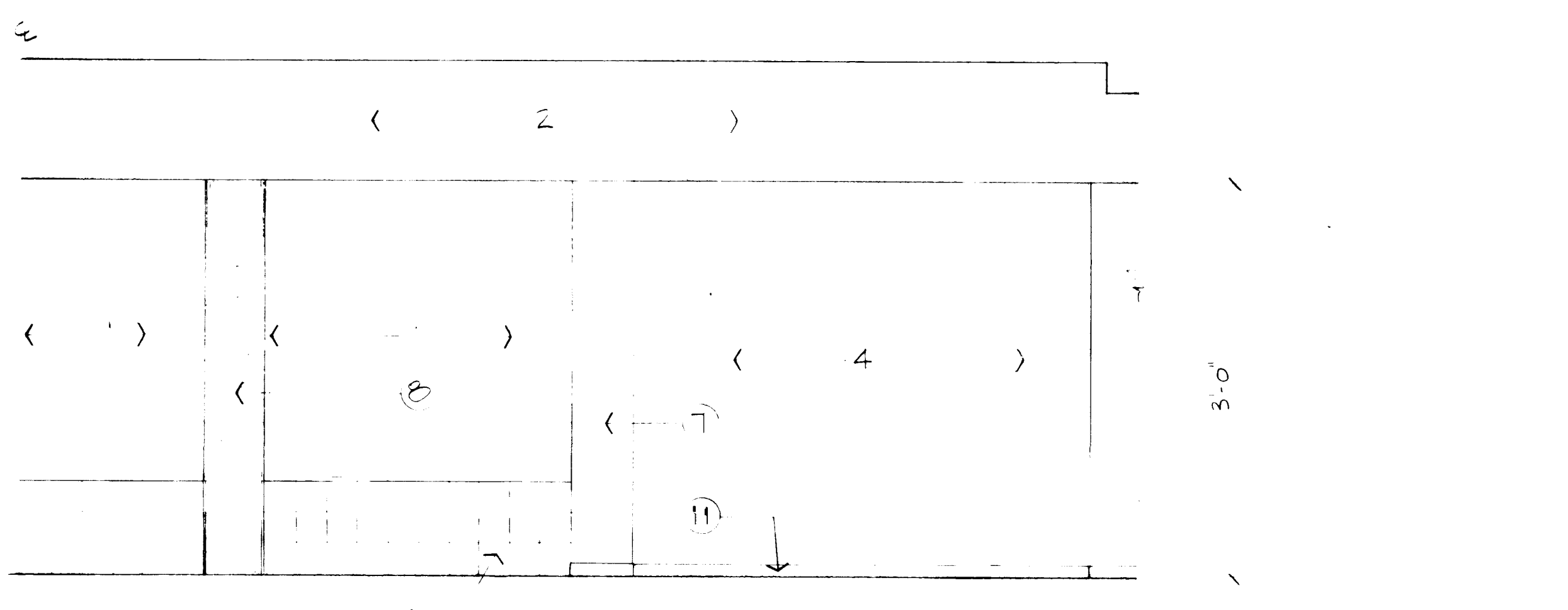
DO NOT SCALE. DIMENSIONS ORIENTED NEARLY HORIZONTAL



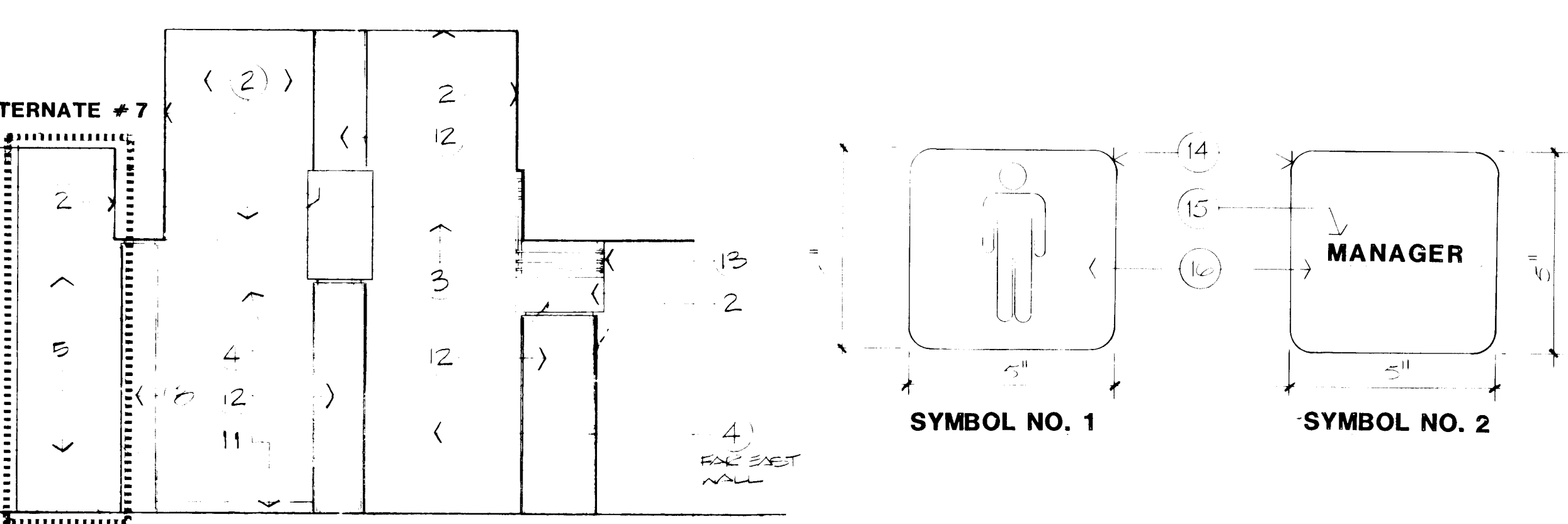
INTERIOR ELEVATION  
SCALE: 1/4" = 1'-0"



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



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



DOOR SIGN ELEVATIONS  
SCALE: 1/4" = 1'-0"

## NOTES

- STEEL WINDOW SYSTEM FACTORY PAINTED AS SPECIFIED.
- 5/8" GYPBOARD, TEXTURED AND PAINTED.
- 5/8" GYPBOARD ARCHITECTURAL "DEAN" TEXTURED AND PAINTED.
- FABRIC WALL COVERING, AS SCHEDULED, OVER 5/8" GYPBOARD.
- 4" X 4" GLAZED CERAMIC WALL TILES, AS SCHEDULED. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS. ALTERNATE #2. BASE BID. FINISH AS IN NOTE #7.
- RIPP-CUT WHITE OAK PARTITION CAP WITH 1/4" OAK REVEAL.
- 5/8" GYPBOARD, TEXTURED. THESE SURFACES TO RECEIVE "SPECIAL SYSTEM". WALL FINISH AS SCHEDULED.
- CAS-IN-PLACE CONCRETE WITH RUBBED FINISH-BASE BID. LIGHT, UNIFORM, SANDBLAST FINISH - ALTERNATE #12.
- DELETED.
- 12" X 12" PORCELAIN CERAMIC TILES AS SPECIFIED.
- 4" TOR-LESS RUBBER BASE AS SPECIFIED. BY ARCHITECT.
- PLASTIC LAMINATE OVER FIBER FORM COLUMN. SEE NOTE 5, SHEET A-6. SEE SPECIFICATIONS FOR LAMINATE INFORMATION.
- NEON FEATURE LIGHTING. SEE SHEET A-6 AND THE SPECIFICATIONS FOR MORE INFORMATION.
- RADIUS CORNERS, TYPICAL.
- WHITE LETTERING.
- BACKGROUND COLOR BY ARCHITECT.

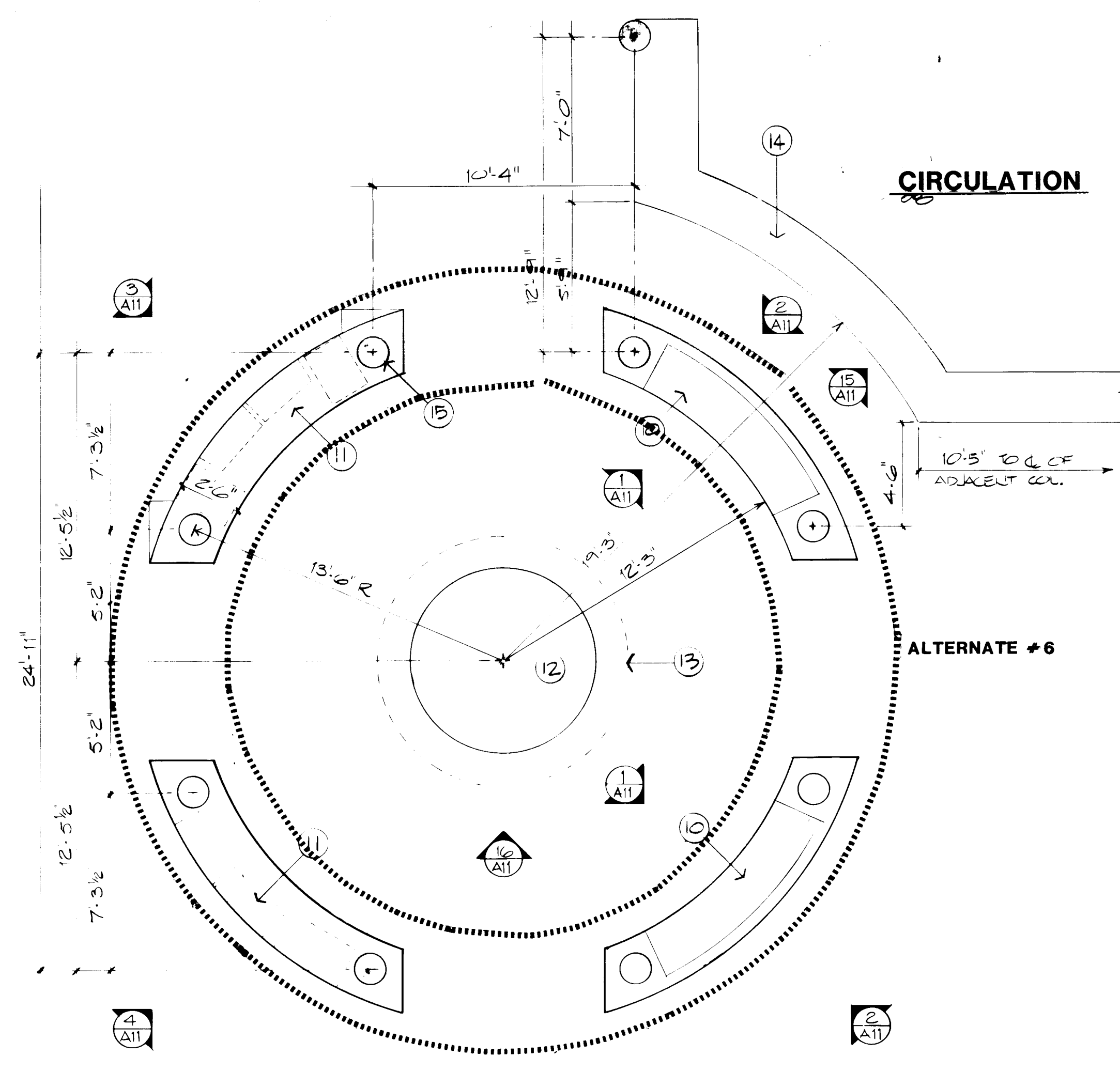
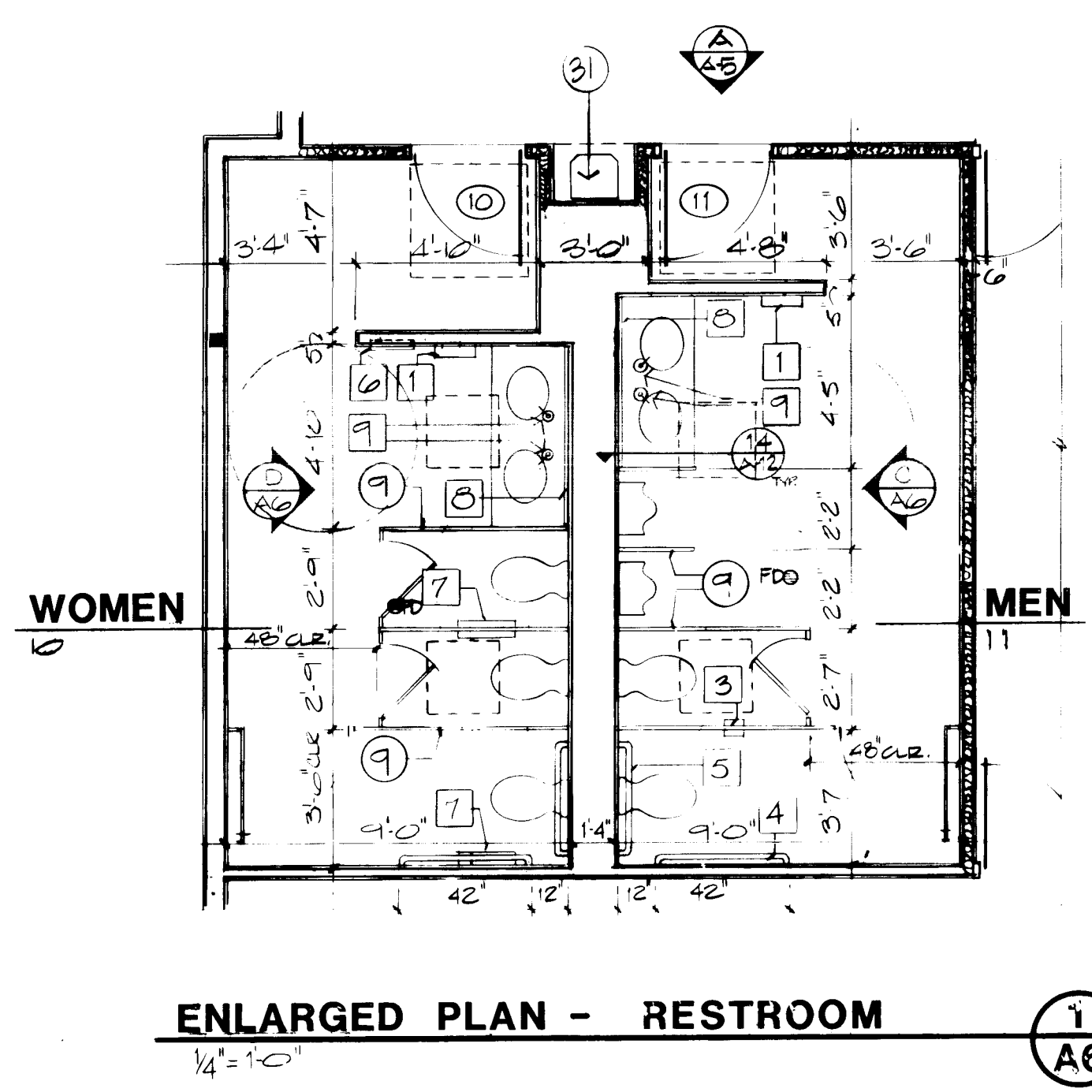
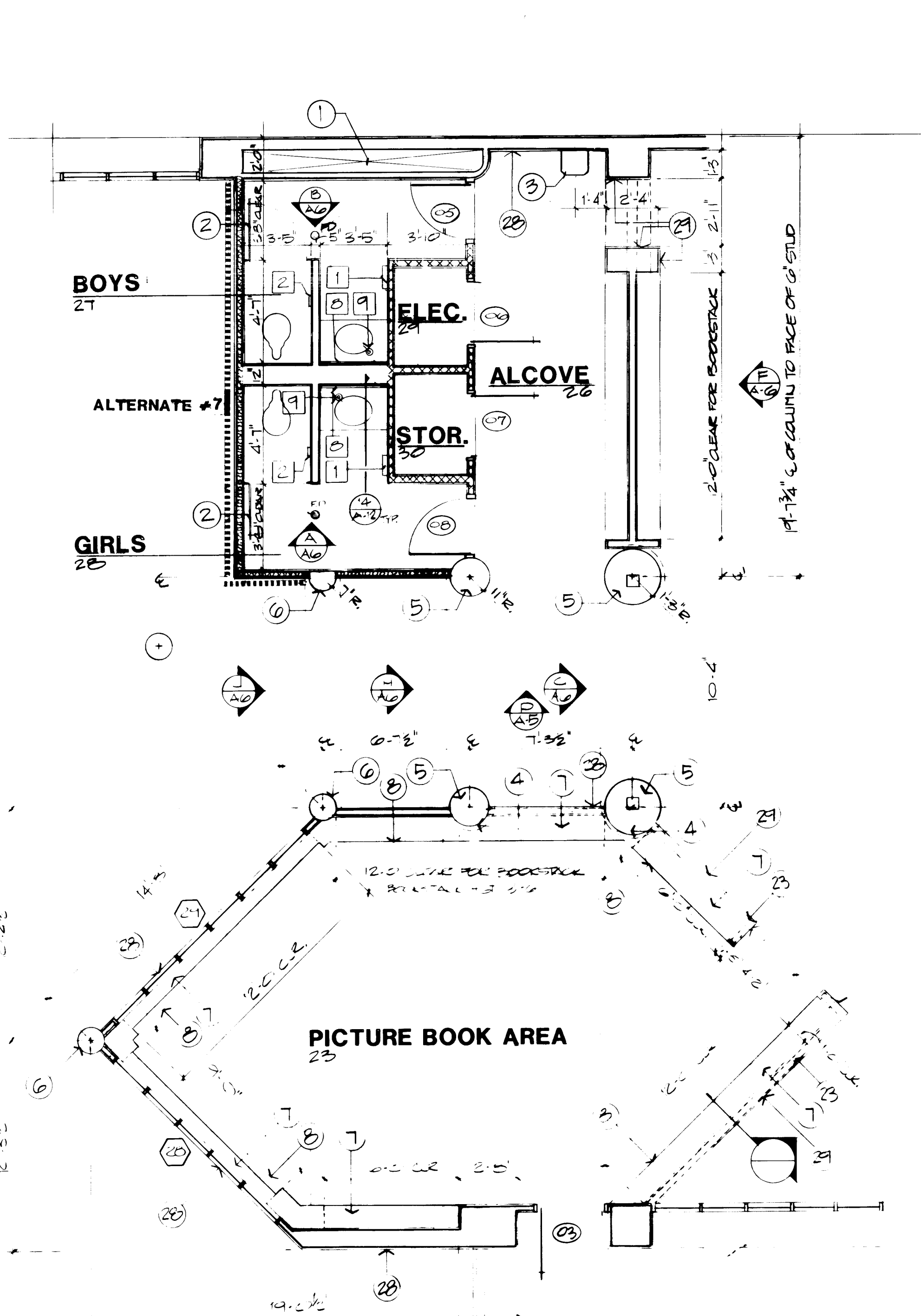
## RECORD DRAWING

Van H. Gilbert Architect AIA  
1000 S. 10th St. Suite 201 Albuquerque, NM 87102  
Date: 1/2/86 Drawn By: JCH

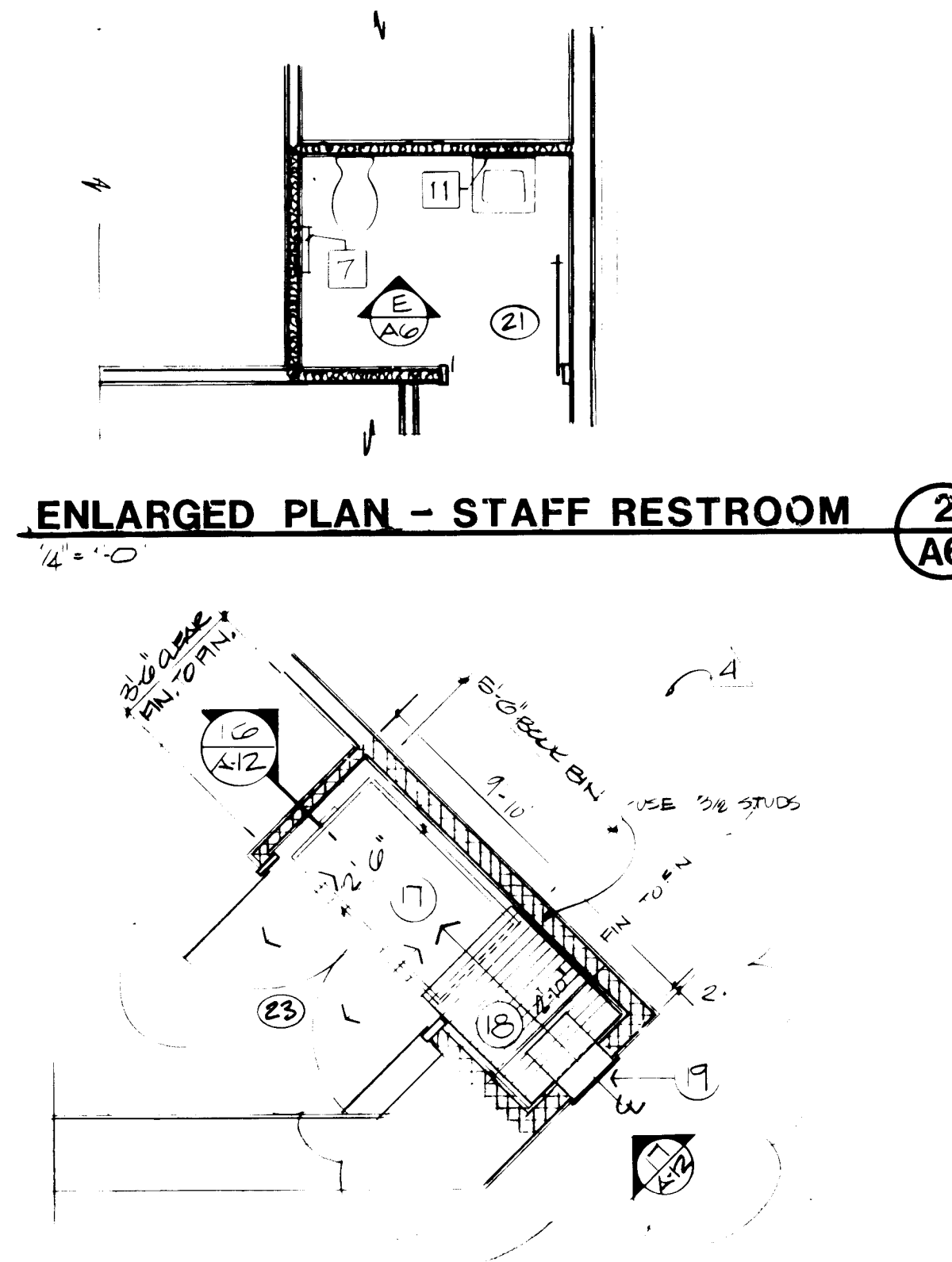


FOOTHILLS BRANCH  
LOMAS AT TRAMWAY  
ALBUQUERQUE NEW MEXICO

Room Finish and Color Schedule  
Sheet A5  
1 of 1

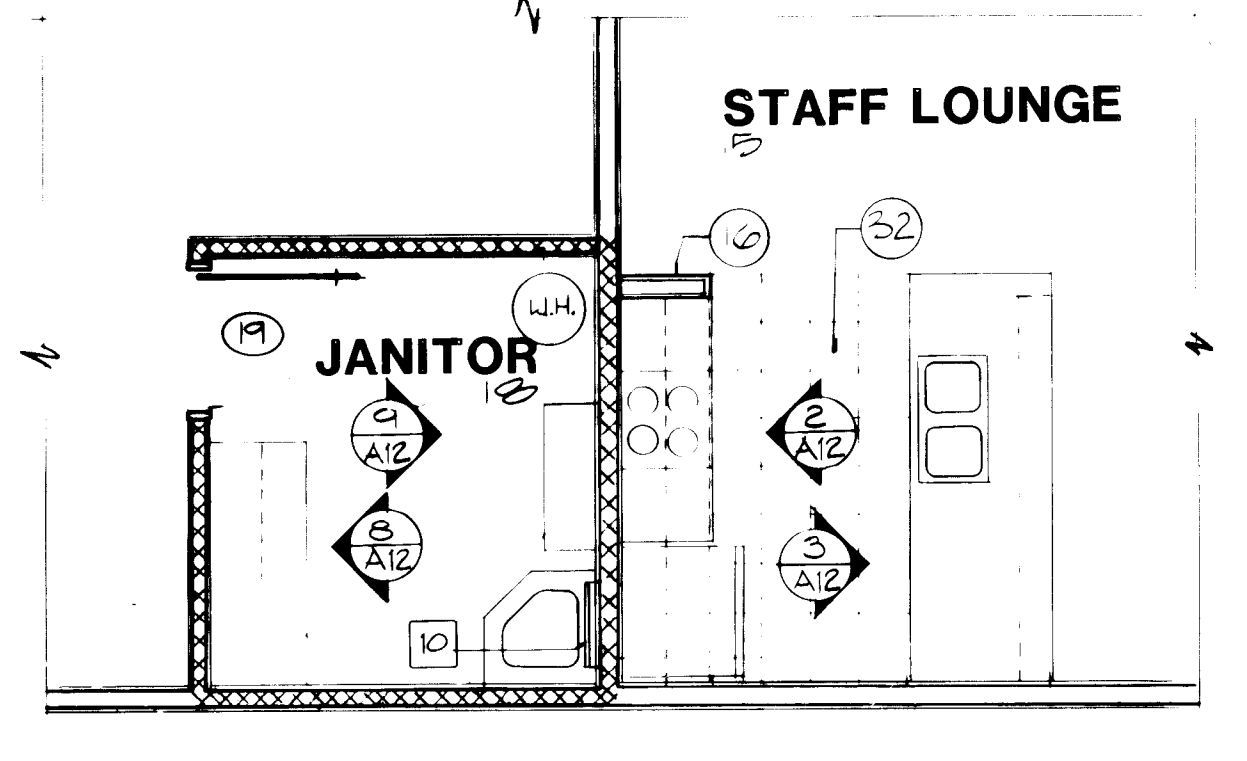


- NOTES**
- CHASE SPACE. SEE MECHANICAL DRAWINGS.
  - TOILET PARTITION DOOR ASSEMBLY AND ASSOCIATED HARDWARE, AS SPECIFIED, MOUNTED TO WALL CONSTRUCTION.
  - ELECTRIC WATER COOLER, AS SPECIFIED, MOUNT UP FROM FINISH FLOOR 33" TO SPOUT.
  - TERMINATE ARCHITECTURAL COLUMNS AT OAK COUNTERTOP.
  - CONCRETE FIBRE FORM COLUMN WITH PLASTIC LAMINATE VENEER ON EXTERIOR SURFACE. APPLY PLASTIC LAMINATE HORIZONTALLY WITH TIGHTLY BUTTED SEAMS. ALIGN VERTICAL SEAMS ALONG EAST-WEST CENTERLINE OF COLUMN (BACKSIDES). REINFORCE FIBRE FORMS WITH PLYWOOD RIBS AND STEEL STUD SPRINGERS EXTENDED TO JOIST ABOVE CEILING ON 11" RADIUS COLUMNS. REINFORCE THE FIBRE FORMS WITH STEEL STUD SPRINGERS ARRANGED RADIALLY AND BRACED TO STEEL 6 X 6 STRUCTURAL TUBES ON 1'-3" RADIUS COLUMNS.
  - 14" DIA. NON-STRUCTURAL REINFORCED CONCRETE COLUMN. EXTEND ABOVE CEILING LINE.
  - 3/4" PLYWOOD WITH RIFT-CUT OAK VENEER. PROVIDE 1-1/4" THICK EDGE TO MATCH PROFILE OF BOOKSTACK TOPS (NIC). INSTALL ON WALL WITH 1/4" REVEAL.
  - WALL-MOUNTED BOOKSTACK SYSTEM (NIC). COORDINATE WITH BOOKSTACK MANUFACTURER'S REPRESENTATIVE REGARDING ALL DIMENSIONS.
  - FLOOR AND CEILING MOUNTED TOILET PARTITION ASSEMBLY AS SPECIFIED. COLOR CHOSEN BY THE ARCHITECT FROM FULL RANGE OF STANDARD AND CUSTOM COLORS.
  - CIRCULAR SEGMENT WITH BUILT-IN SEATING; SEE DETAILS, SHEET A-11. ALTERNATE #7.
  - CIRCULAR SEGMENT WITH BUILT-IN EQUIPMENT; SEE DETAILS, SHEET A-11. ALTERNATE #7.
  - CATALOG KIOSK; SEE DETAILS, SHEET A-11.
  - CATALOG KIOSK CANOPY (ABOVE); SEE DETAIL, SHEET A-11.
  - CIRCULATION DESK; SEE DETAIL, SHEET A-11.
  - CONCRETE COLUMN; SEE STRUCTURAL DRAWINGS.
  - SEE FINISH SCHEDULE FOR ALL WALL FINISHES.
  - BOOK BIN; SEE DETAIL, SHEET A-12.
  - CONVEYOR; SEE DETAIL, SHEET A-12.
  - BOOK DEPOSITORY DOOR ASSEMBLY AS SPECIFIED.
  - CERAMIC TILE AS SPECIFIED ON 5/8" WATER-RESISTANT GYPSUM BOARD.
  - PROVIDE 5'-0" HIGH TOILET PARTITION DOOR 8" ABOVE FINISHED FLOOR.
  - 4 X 6 TUBE BRACE CONCEALED IN WALL. VERIFY WITH STRUCTURAL.
  - 5/8" GYPSUM BOARD (BOTH SIDES) ON 3-5/8" STEEL STUDS. PROVIDE DIAGONAL BRACING STRAPS TO ALL CORNERS. SEE FINISH SCHEDULE.
  - 5/8" GYPSUM BOARD ON 3-5/8" STEEL STUDS. SEE FINISH SCHEDULE FOR SURFACE TREATMENT. SURFACES TO RECEIVE SPECIAL SURFACE TREATMENT. SEE THE FINISH SCHEDULE.
  - NEON FEATURE LIGHTING AS SPECIFIED; MOUNT TRANSFORMERS ABOVE CEILING ADJACENT TO FEATURE LIGHTING. SPAN STRUCTURAL MEMBERS WITH 1-1/2" X 1-1/2" X 1/4" STEEL ANGLES AND MOUNT 1/4" STEEL SHELF TO RECEIVE TRANSFORMERS. EDGE SHELF WITH 1" X 1" X 1/8" STEEL ANGLES (CONTINUOUS). RECORD LOCATION ABOVE CEILING AND PROVIDE LOCATION ON "AS-BUILT" REFLECTED CEILING PLAN. NEON 15 MM TUBING.
  - PROVIDE 2" X 2" CONTINUOUS REVEAL VENEERED IN PLASTIC LAMINATE IN COLOR SELECTED BY THE ARCHITECT.
  - SEE REFLECTED CEILING PLAN.
  - WALL FABRIC, AS SPECIFIED OVER 5/8" GYPSUM BOARD.
  - 5/8" GYPSUM BOARD THESE SURFACES TO RECEIVE "SPECIAL SYSTEM" WALL FINISH AS SPECIFIED.
  - 5/8" GYPSUM BOARD TEXTURED & PAINTED.
  - ELECTRIC WATER COOLER AS SPECIFIED. MOUNT UP FROM FINISH FLOOR 40".
  - 12 X 12 PORCELAIN CERAMIC TILE.



**ACCESSORY SCHEDULE**

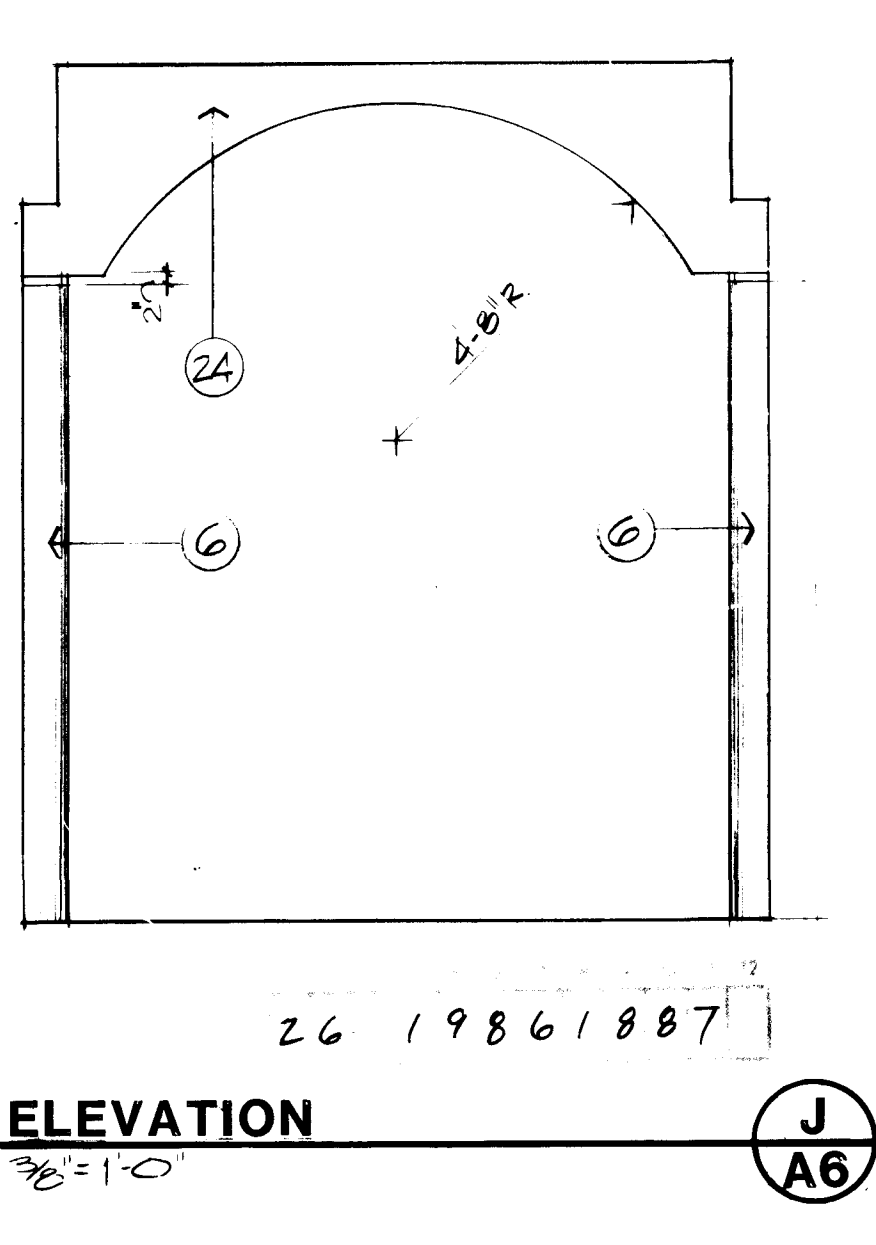
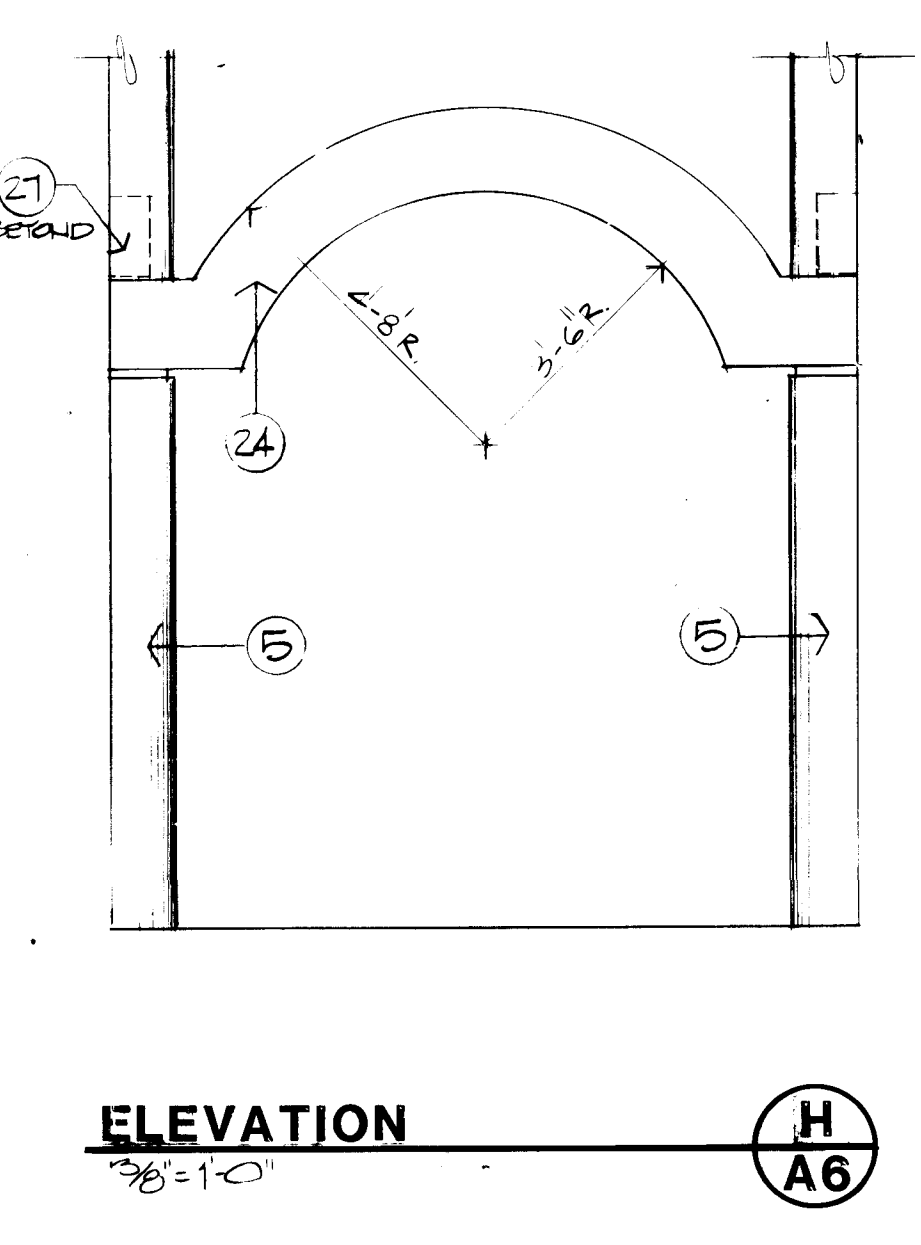
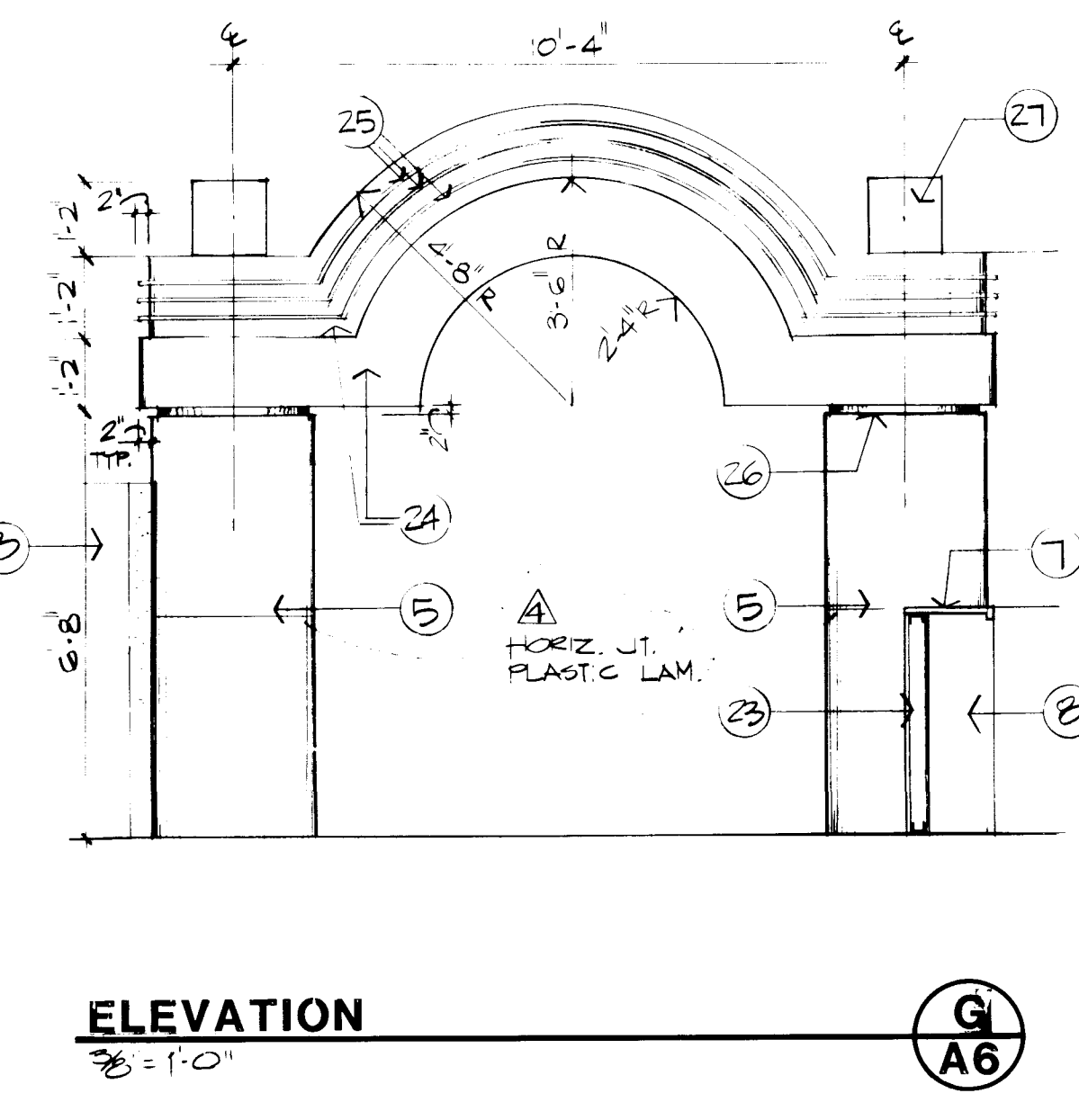
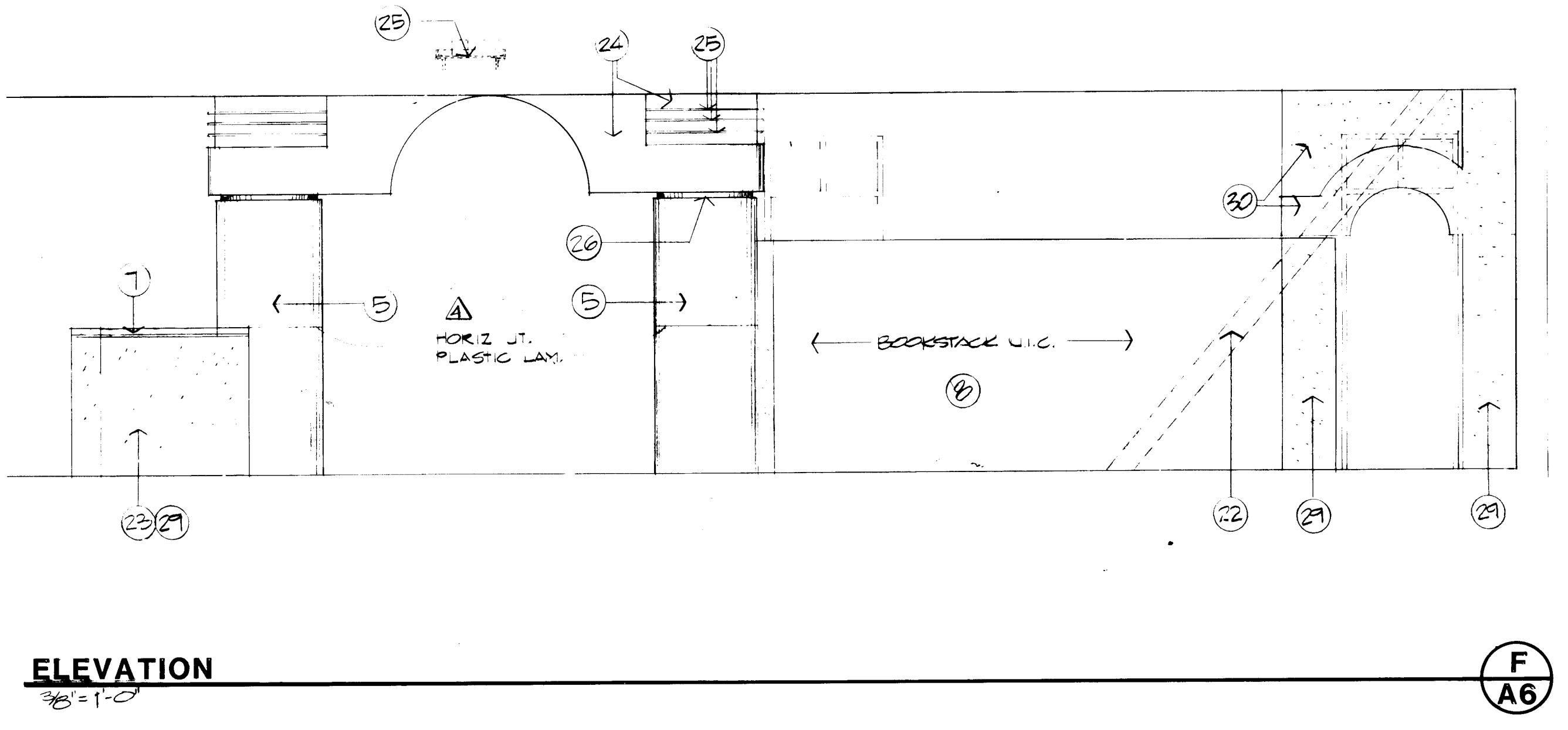
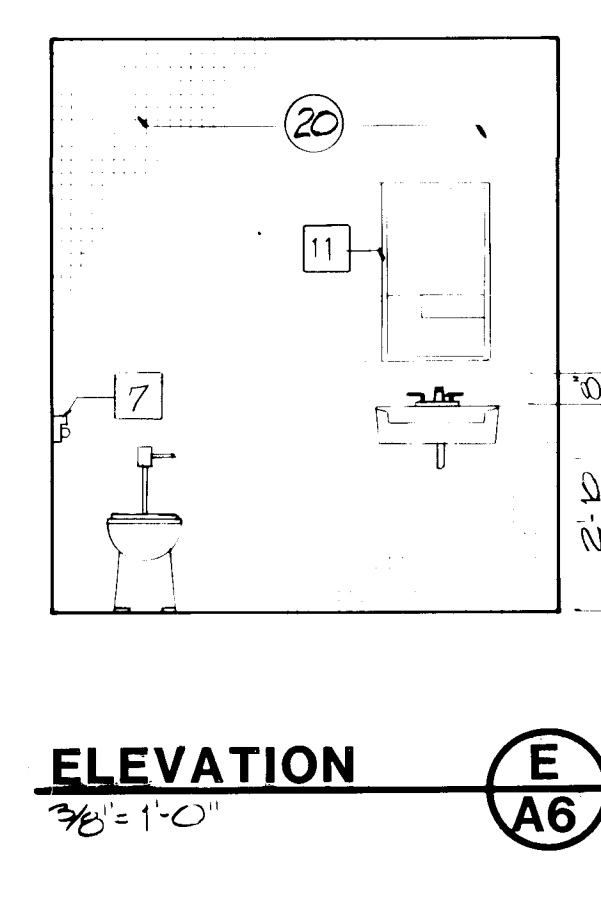
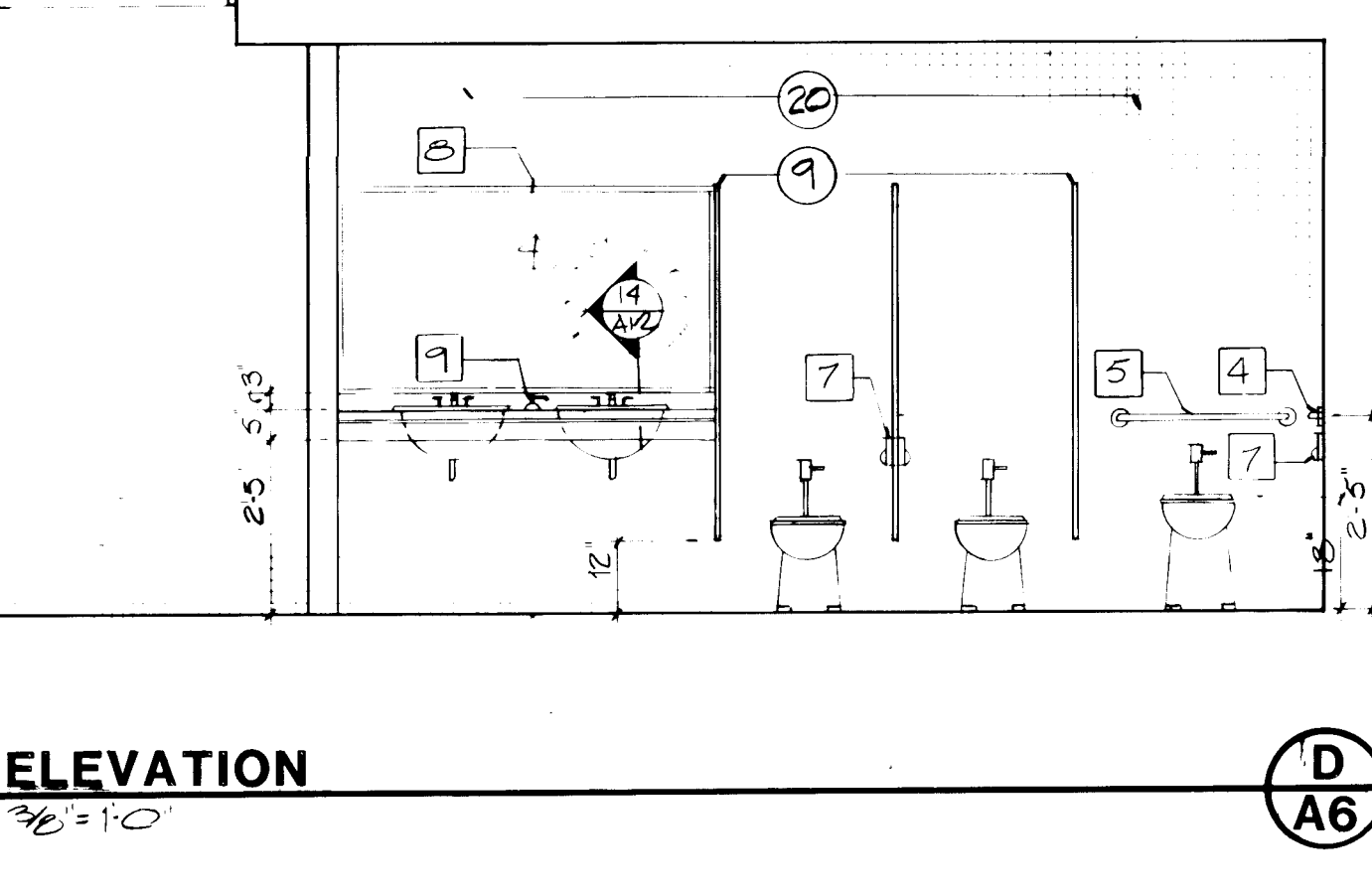
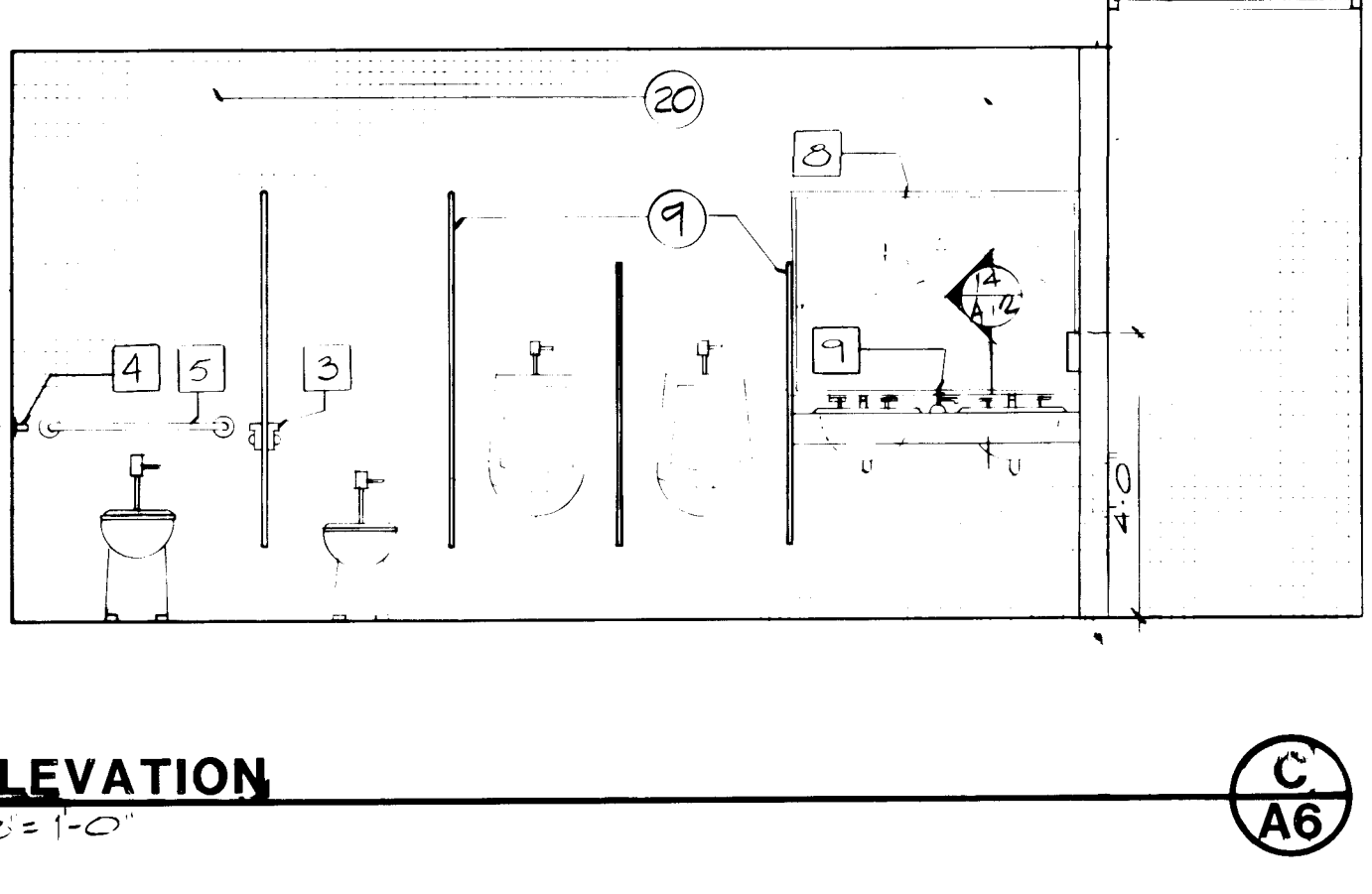
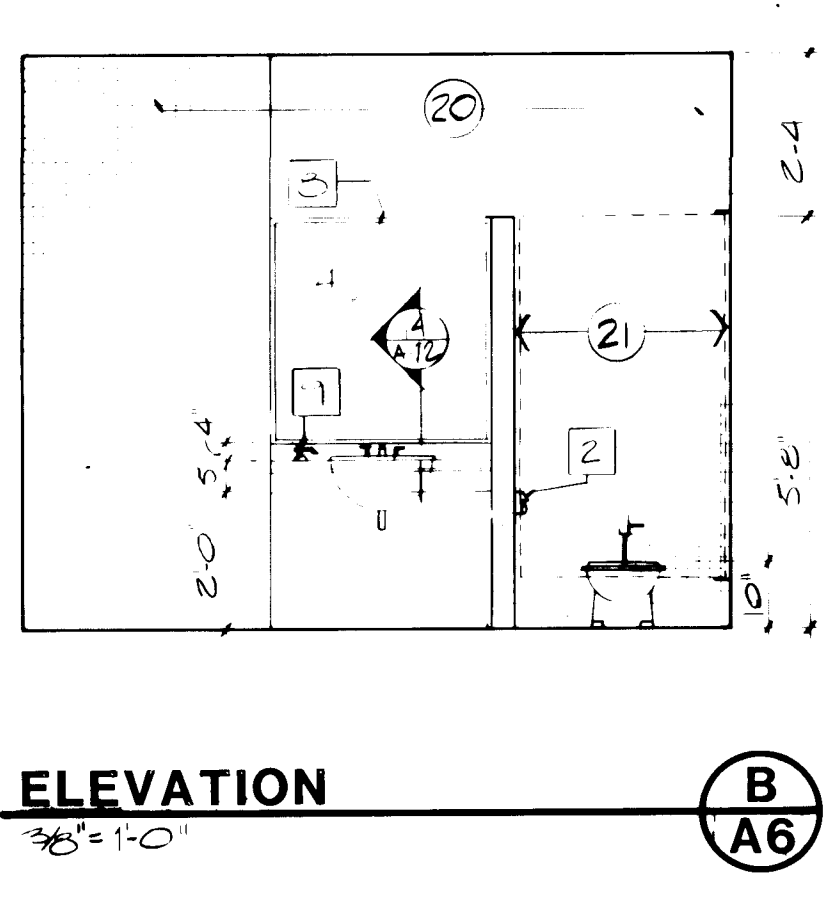
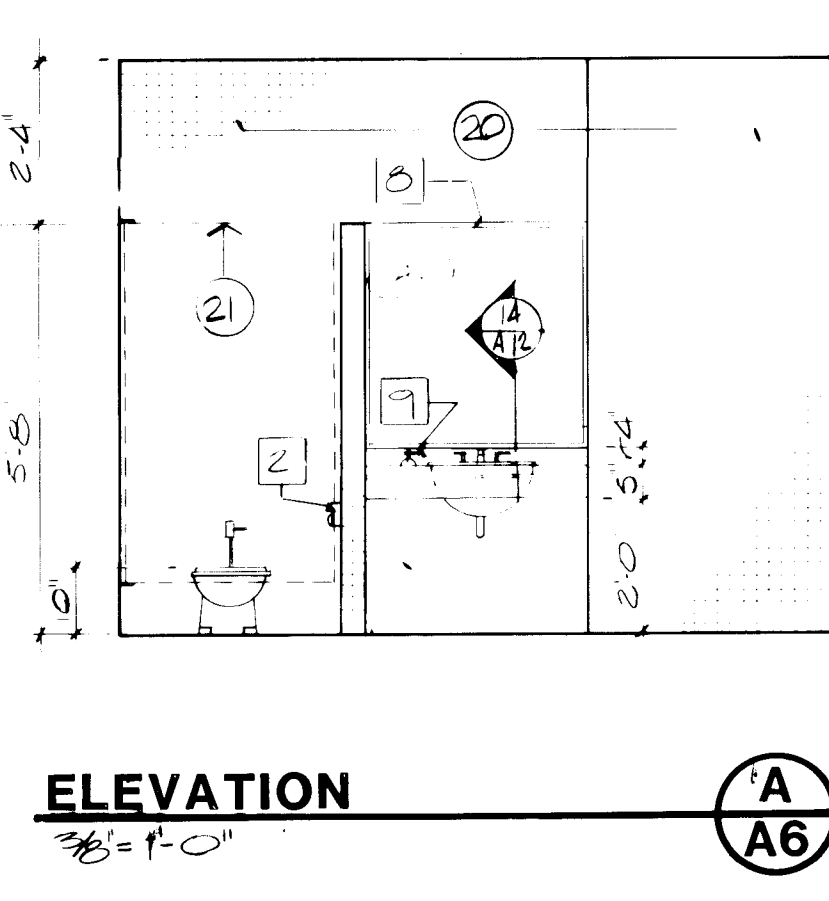
| NO. | DESCRIPTION        | QTY. | REMARKS         |
|-----|--------------------|------|-----------------|
| 1   | HAND DRYER         | 1    | SEE DETAIL A-11 |
| 2   | TOILET PAPER DISP. | 1    | 10" DIA. X 10"  |
| 3   | TOILET PAPER DISP. | 1    | 11" X 10"       |
| 4   | TOILET PAPER DISP. | 1    | 12" DIA. X 10"  |
| 5   | TOILET PAPER DISP. | 1    | 12" DIA. X 10"  |
| 6   | TOILET PAPER DISP. | 1    | 12" DIA. X 10"  |
| 7   | TOILET PAPER DISP. | 1    | 12" DIA. X 10"  |
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| 98  | TOILET PAPER DISP. | 1    | 12" DIA. X 10"  |
| 99  | TOILET PAPER DISP. | 1    | 12" DIA. X 10"  |
| 100 | TOILET PAPER DISP. | 1    | 12" DIA. X 10"  |



**ENLARGED PLAN - CHILDRENS AREA**  
1/4" = 1'-0"

**ENLARGED PLAN - BOOKDROP**  
1/4" = 1'-0"

**ENLARGED PLAN - JANITOR LOUNGE**  
1/4" = 1'-0"



**RECORD DRAWING**

REV. - AS BUILT

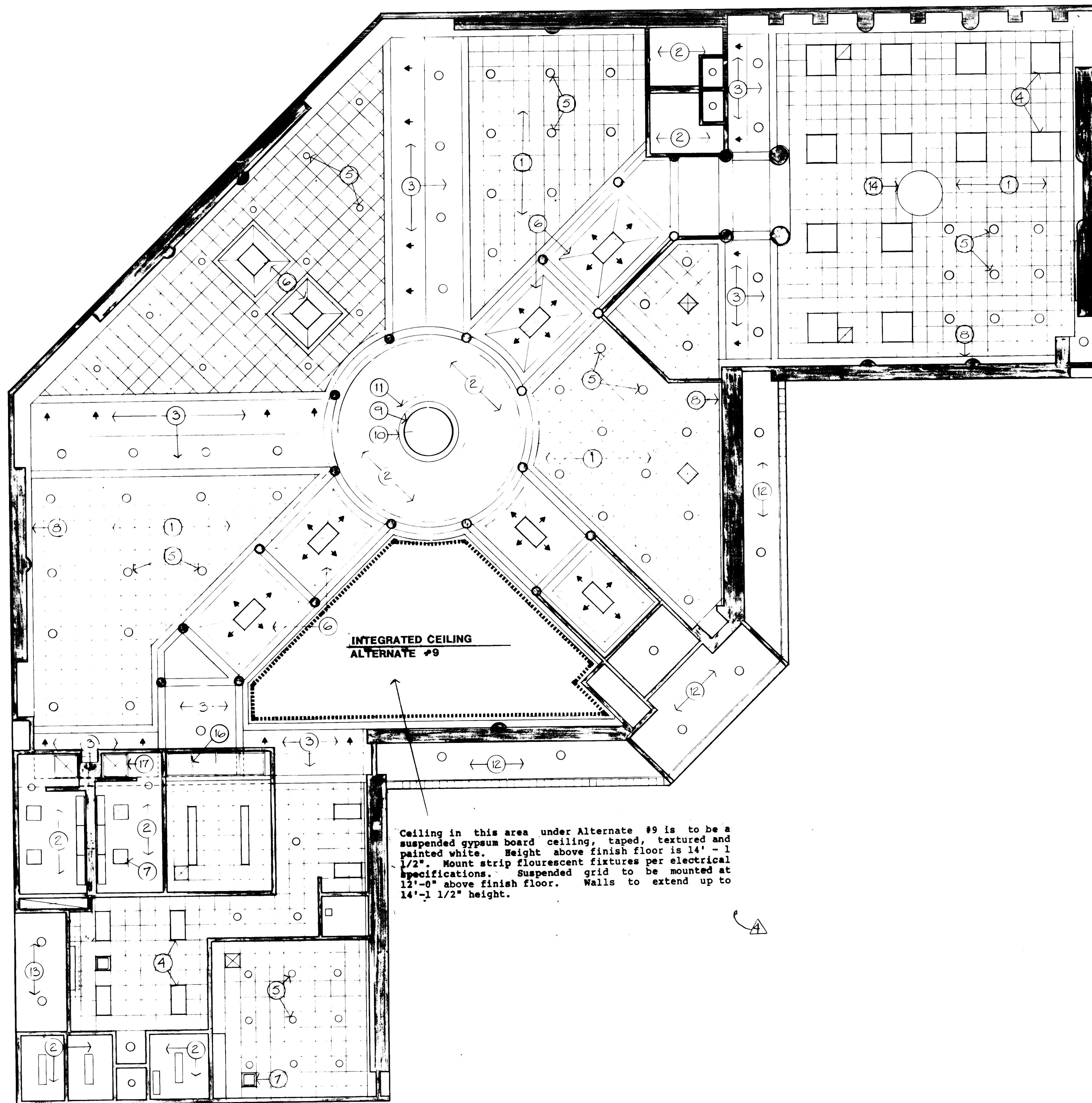
Van H. Gilbert Architect AIA

SEAL OF NEW MEXICO

Date 1/2/86 Drawn By [Signature]

ENLARGED PLANS INTERIOR ELEVATIONS

1986

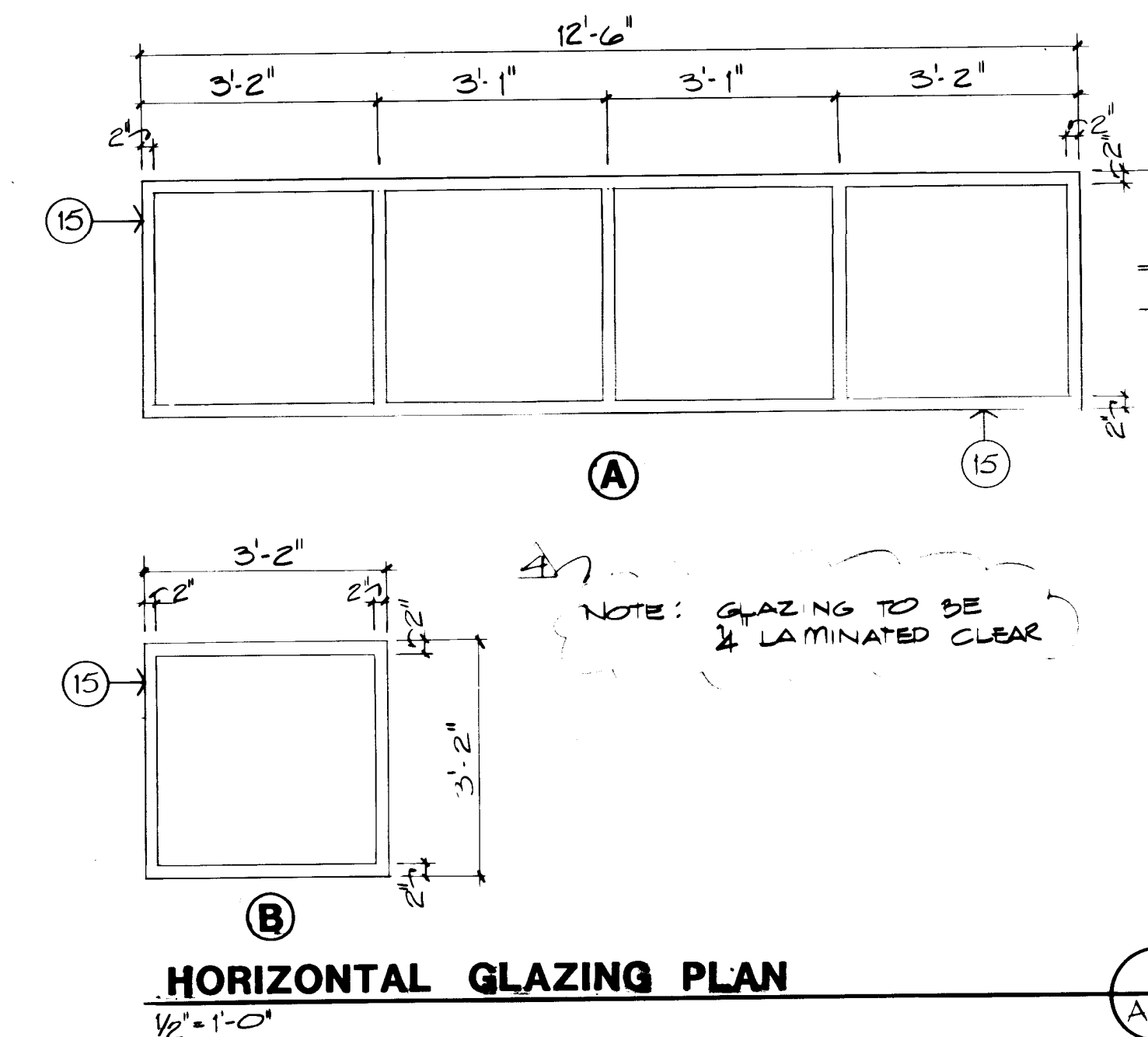


**REFLECTED CEILING PLAN**

1/8" = 1'-0"

SLOPE INDICATION: UP → DOWN

Ceiling in this area under Alternate #9 is to be a suspended gypsum board ceiling, taped, textured and painted white. Height above finish floor is 14'-1 1/2". Mount strip fluorescent fixtures per electrical specifications. Suspended grid to be mounted at 12'-0" above finish floor. Walls to extend up to 14'-1 1/2" height.



**HORIZONTAL GLAZING PLAN**

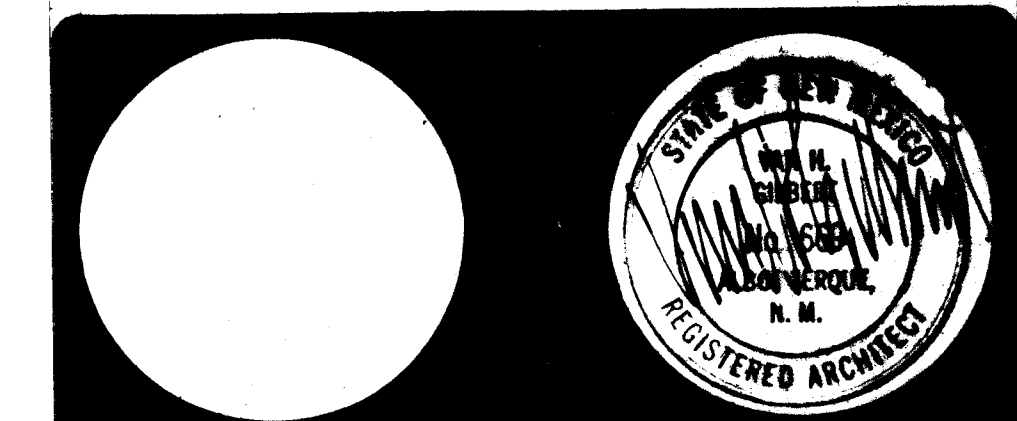
**NOTES**

1. LAY-IN ACoustICAL CEILING AS SPECIFIED. COLOR AND TEXTURE BY ARCHITECT.
2. SUSPENDED GYPSUM BOARD CEILING, TEXTURED, COLOR BY ARCHITECT.
3. CEILING LIGHTWELL TEXTURED GYPSUM BOARD AS INDICATED.
4. FLUORESCENT LIGHT FIXTURES. SEE ELECTRICAL FOR TYPE AND DETAILS.
5. RECESSED INCANDESCENT LIGHT FIXTURES. SEE ELECTRICAL FOR TYPE AND DETAILS.
6. SKYLIGHT LIGHTWELL TEXTURED GYPSUM BOARD AS INDICATED. SKYLIGHT DIMENSIONS ON SHEET A-10.
7. SKYLIGHT. SEE SHEET A-10 FOR DIMENSIONS.
8. SOFFIT LINE.
9. 6'-0" DIAMETER ROUND SKYLIGHT. SEE 5/A-10 FOR DETAIL.
10. GYPSUM CURB AROUND SKYLIGHT OPENING, 18" SIDE TO BE FLUSH WITH SKYLIGHT OPENING, COLOR BY ARCHITECT.
11. LATH OF KIOSK BELOW.
12. SUSPENDED LATH AND PLASTER WITH SMOOTH FINISH, COLOR BY ARCHITECT.
13. SUSPENDED PORTLAND CEMENT PLASTER.
14. FUR DOWN OVER KIOSK, SEE DETAIL 10/A-11.
15. OAK FRAMING.
16. HORIZONTAL LAMINATED GLAZING IN OAK FRAME TYPE "A". SEE PLAN THIS SHEET.
17. HORIZONTAL LAMINATED GLAZING IN OAK FRAME TYPE "B". SEE PLAN THIS SHEET.

**RECORD DRAWING**

REV. - AS BUILT

Van H. Gilbert Architect AIA



Date: 1/2/86 Drawn By: J-1

REFLECTED CEILING PLAN

26 19861987

1986



| WINDOW SCHEDULE |      |          |       |       |           |       |      |      |  | GLAZING |  | REMARKS |  |
|-----------------|------|----------|-------|-------|-----------|-------|------|------|--|---------|--|---------|--|
| NO.             | TYPE | RO. OPEN | H.    | W.    | HEAD JAM. | MULL. | SILL | TYPE |  |         |  |         |  |
| 1               | A    | A        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 2               | A    | B        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 3               | A    | A        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 4               | C    | C        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 5               | C    | C        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 6               | C    | D        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 7               | A    | E        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 8               | C    | D        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 9               | C    | F        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 10              | A    | G        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 11              | B    | F        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 12              | C    | C        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 13              | A    | H        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 14              | C    | C        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 15              | B    | J        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 16              | C    | J        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 17              | A    | K        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 18              | A    | M        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 19              | D    | F        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 20              | B    | L        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 21              | D    | F        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 22              | C    | C        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 23              | C    | C        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | A    |  |         |  |         |  |
| 24              | F    | O        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | C    |  |         |  |         |  |
| 25              | F    | L        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | C    |  |         |  |         |  |
| 26              | G    | P        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | D    |  |         |  |         |  |
| 27              | F    | Q        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | D    |  |         |  |         |  |
| 28              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 29              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 30              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 31              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 32              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 33              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 34              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 35              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 36              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 37              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 38              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 39              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 40              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 41              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 42              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 43              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 44              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 45              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 46              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |
| 47              | B    | Z        | 10'0" | 10'0" | 1/2"      | 1/2"  | 1/2" | E    |  |         |  |         |  |

**WINDOW TYPES KEY**

A. STEEL SASH WINDOW WITH FIXED GLAZING. INSIDE GLAZED.

B. STEEL SASH WINDOW WITH FIXED GLAZING. OUTSIDE GLAZED.

C. STEEL SASH WINDOWS WITH TOP ROW OF LIGHTS OPERABLE. PROJECTED VENTS INSIDE GLAZED.

D. STEEL SASH WINDOWS WITH TOP ROW OF LIGHTS OPERABLE. PROJECTED VENTS OUTSIDE GLAZED.

E. STEEL SASH WINDOWS WITH FIXED OUTSIDE GLAZING FABRICATED ON A RADIUS.

F. OAK FRAMED FIXED GLAZING.

G. STAINLESS STEEL CASED OPENING FOR BOOK RETURN.

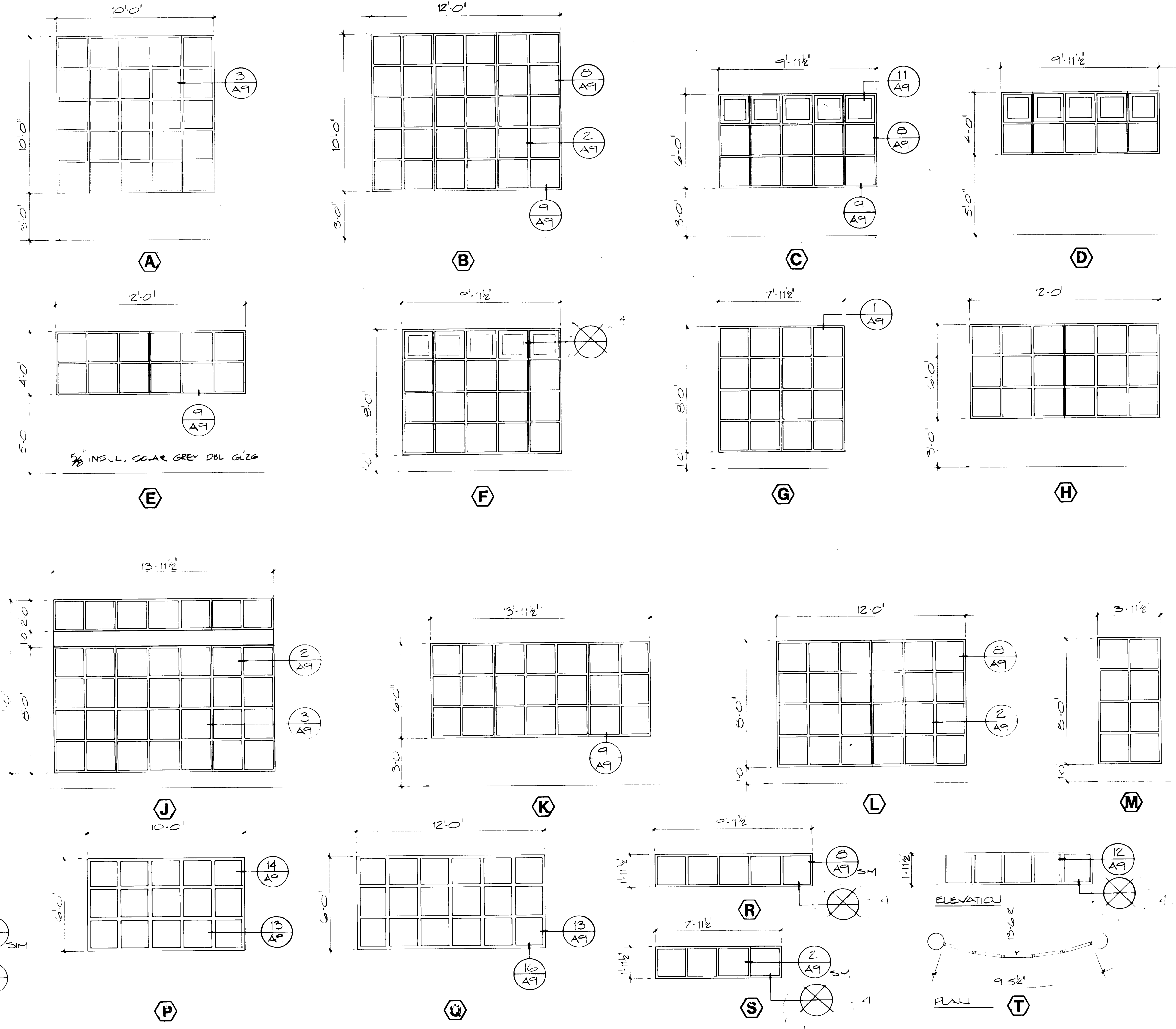
**GLAZING TYPES KEY**

A. 5/8" INSULATED DOUBLE GLAZING.

B. 5/8" TEMPERED INSULATED DOUBLE GLAZING.

C. 1/4" PLATE GLASS.

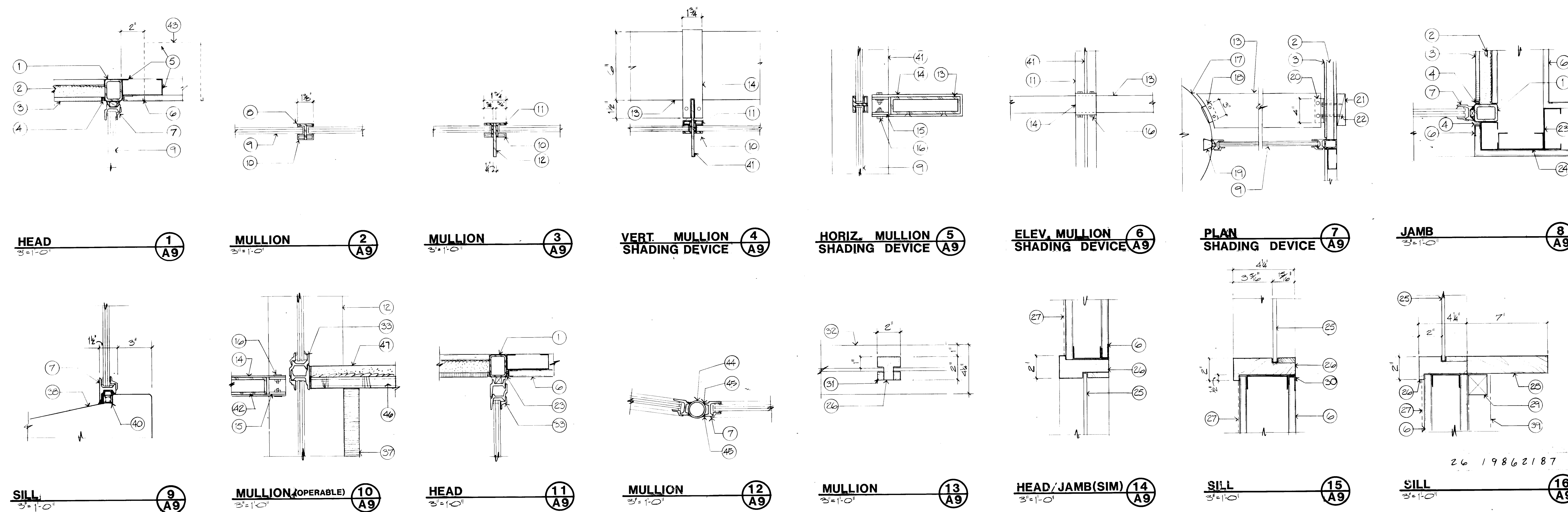
D. 1/4" TEMPERED GLASS ON LOWEST HORIZONTAL ROW.



- NOTES**
1. 1-1/2" x 2" x 2" STEEL TUBE CONTINUOUS.
  2. 1" CEMENT MASTER MORTAR BED ON 3/4" LB. REINFORCING LATH OVER 1/2" FELT PAPER ON 1/2" GYP BOARD. FINISH AS SPECIFIED.
  3. EXTERIOR PORCELAIN CERAMIC TILING AS SPECIFIED.
  4. CONTINUOUS 1/4" CAULK HEAD.
  5. 16 GAGE "C" SHOD.
  6. 6/8" CYCLOPS SHEATHING.
  7. STEEL SASH WINDOW SYSTEM AS SPECIFIED.
  8. STEEL "T" MULLION BAR PER MANUFACTURER'S DETAIL.
  9. 5/8" INSULATING DOUBLE GLAZING.
  10. GLAZING STOPPS 1/4" ANGLE. SHOP WELD AND GRIND SMOOTH. JOIN OTHERS IN FIELD WITH PATIENCES.
  11. 3/4" x 1" x 1/8" ANGLE. SHOP WELD AND GRIND SMOOTH. JOIN OTHERS IN FIELD WITH PATIENCES.
  12. 1/4" STEEL STIFFENING PLATE DEPTH OF BAR TO BE SIZED BY MANUFACTURER FOR WIND LOADING.
  13. 1-1/2" x 6" x 1/4" ALUMINUM TUBE SECTION.
  14. 1-3/4" x 1/8" ALUMINUM STRAP. NOTCH AS REQUIRED TO CLEAR STEEL BAR.
  15. 1-1/2" x 3/4" x 1/8" STEEL CHANNEL 1-1/2" LONG. WELD TO STIFFENING BAR IN SHOP AND GRIND SMOOTH. CENTER ON MULLION.
  16. STAINLESS STEEL MACHINE BOLTS, NUTS, WASHERS. TYPICAL AT JOINING OF DIFFERENT METALS.
  17. CONCRETE COLUMN.
  18. 1-1/4" x 1-3/4" x 3/16 ALUMINUM ANGLE ANCHORED TO COLUMN. RELIEVE CONCRETE FOR FLUSH ATTACHMENT. ATTACH TO TUBE SECTION BY COUNTERSUNK FASTENERS.
  19. CAST IN POVERTAIL CONSTRUCTION ANCHOR WITH NON-COMBUSTIBLE WOOD BLOCKING.
  20. 1-1/4" x 1-3/4" x 3/16 x 4" LONG ALUMINUM ANGLE. CAULK BETWEEN ANGLE AND FACING TILE.
  21. 2 x 6 NON-COMBUSTIBLE WOOD BLOCKING CONTINUOUS.
  22. 1/4" x 3-1/2" LAG BOLTS. PREDRILL HOLE THRU TILE MORTAR BED AND GYPSUM SHEATHING FOR BOLT TO CLEAR.
  23. 3-5/8" 25 GA. METAL STUDS AT 24" O.C. TYPICAL.
  24. 1/4" 16 GA. STEEL STUD FRAMING.
  25. 1/4" GLAZING.
  26. SOLID OAK WINDOW FRAMING.
  27. WALL FABRIC AS SUBMITTED.
  28. OAK TOP TO COVER SHELVING.
  29. 2 x 2 WOOD BLOCKING.
  30. 1" METAL BRAD CONTINUOUS TYPICAL AT ALL GYP-BOARD ENDS. MAINTAIN 1/4" CLEARANCE FOR THE BRADLAST JOINT.
  31. OAK WINDOW STOPPS.
  32. LINE OF SILL BELOW. AT WINDOW 435. SEE DETAIL 157A-9 FOR LOCATION OF MULLION IN SILL.
  33. OPERABLE WINDOW SASH AS SPECIFIED.
  34. DELAYS.
  35. DELETES.
  36. METAL STUD FRAMING AS REQUIRED.
  37. 6" REINFORCED TROMBE WALL. CHILLS FILLED SOLID WITH SAND WHERE NOT GROUTED.
  38. SILL.
  39. BRICKWORK SUPPORT PROVIDED BY OTHERS. COORDINATE BLOCKING AND WOOD TOP WITH SHELF MFR.
  40. 3/4" x 3/4" x 1/4" TUBE SECTION WELDED TO SILL.
  41. STIFFENING BAR TO EXTEND 2" FROM FACE OF THE WINDOW FRAME AT TROMBE WALL LOCATIONS.
  42. AT OPERABLE SASH LOCATIONS, ALUMINUM TUBE SHADING DEVICE MUST BE OFF CENTER TO ALLOW FOR OPERATION OF WINDOW. KEEP OFFSET TO A MINIMUM.
  43. RECHOS FOR BLIND BLINDS AT WINDOWS WITH BLINDS.
  44. 1 1/4" (INSIDE DIA.) STEEL PIPE MULLION.
  45. SHOP WELD & GRIND SMOOTH STEEL WINDOW SECTION TO PIPE MULLION AT PROPER ANGLE TO ACHIEVE RADIUS.
  46. 3/4" CDX PLYWOOD ANCHORED TO BLOCK WALL.
  47. PLASTER ON LATH.

**WINDOW TYPES**

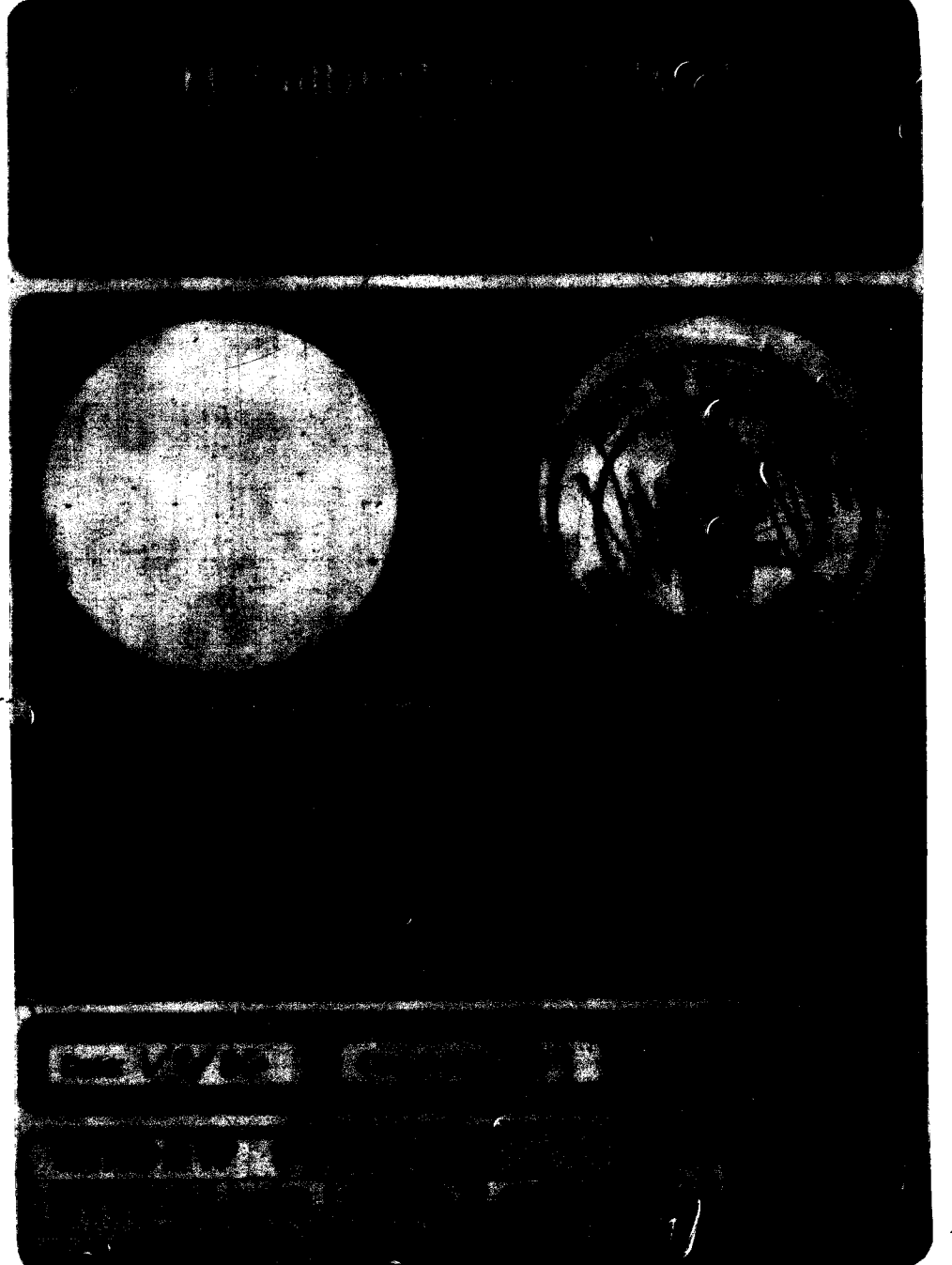
1/4"=1'-0"

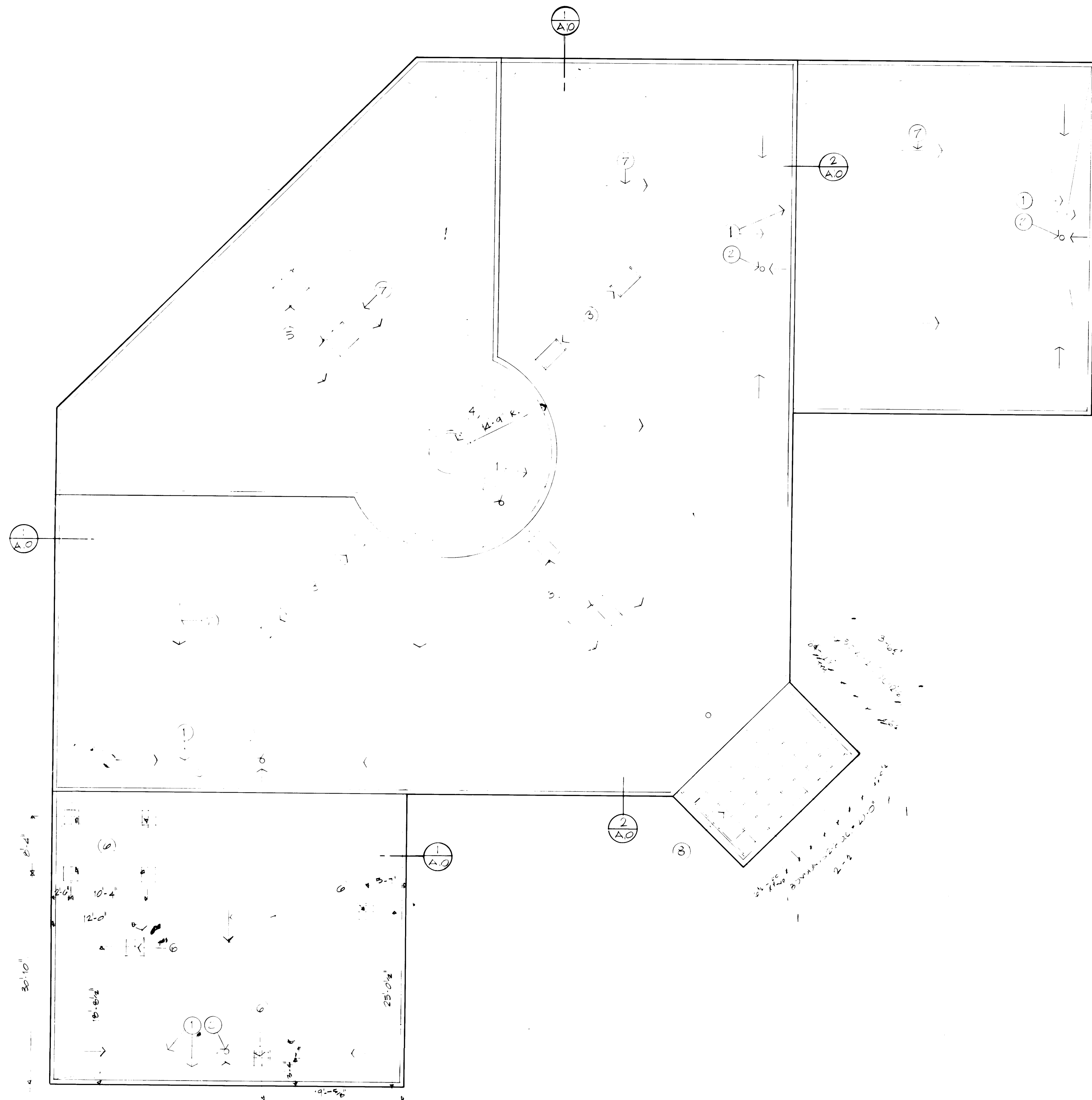


ALTERNATE #2: PROVIDE ALUMINUM WINDOW SYSTEM IN LIEU OF STEEL WINDOWS

**RECORD DRAWING**

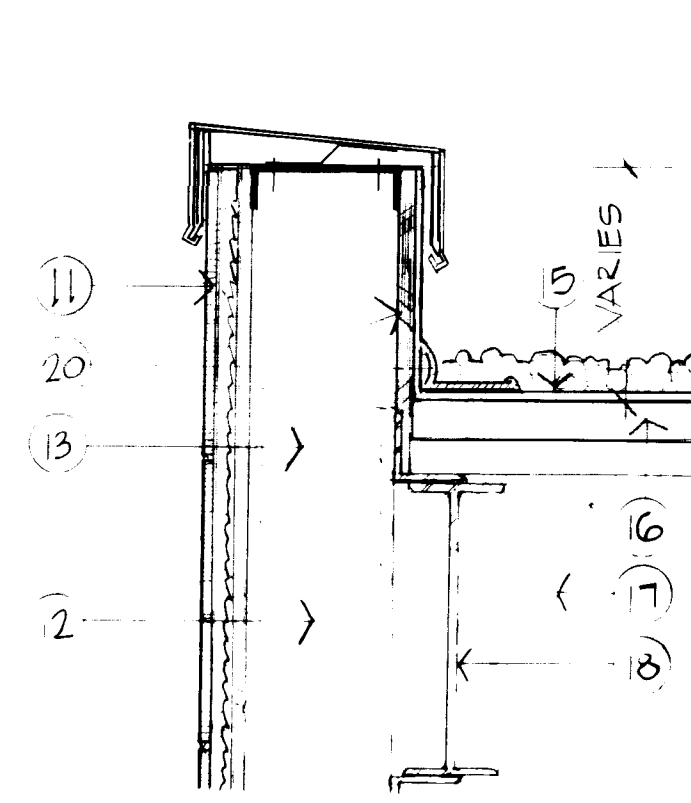
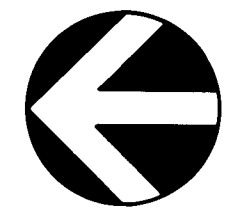
REV. AS BUILT



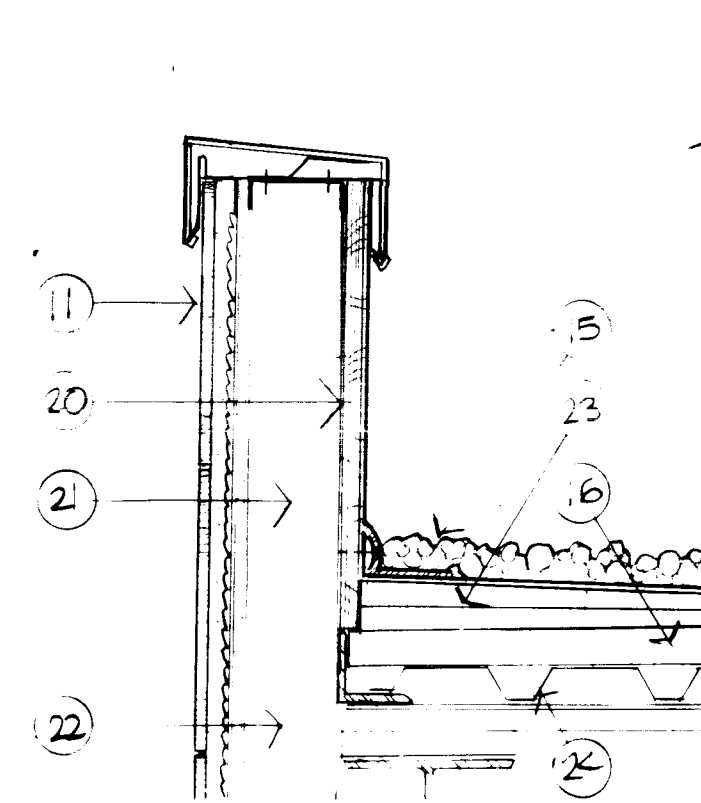


ROOF PLAN

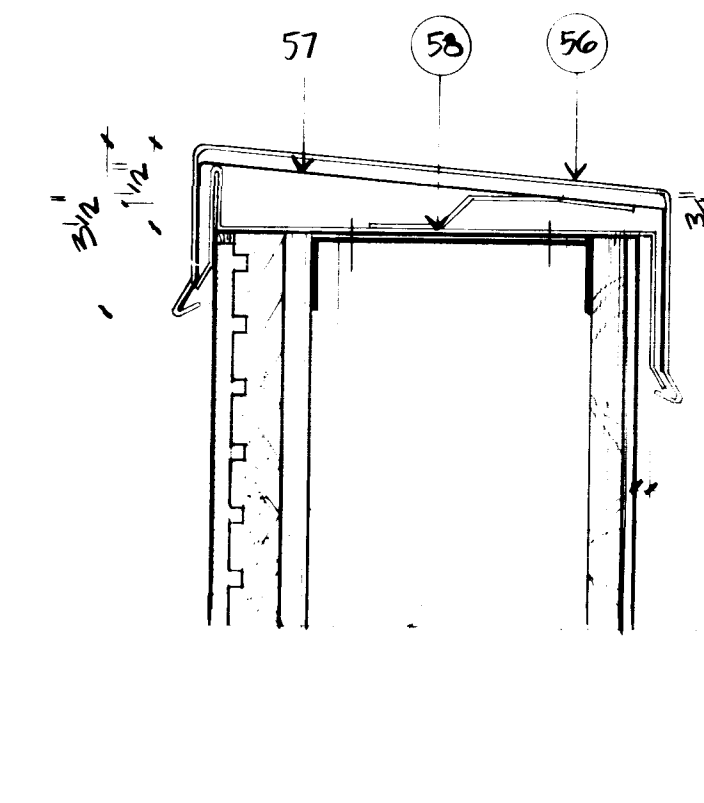
1/8" = 1'-0"



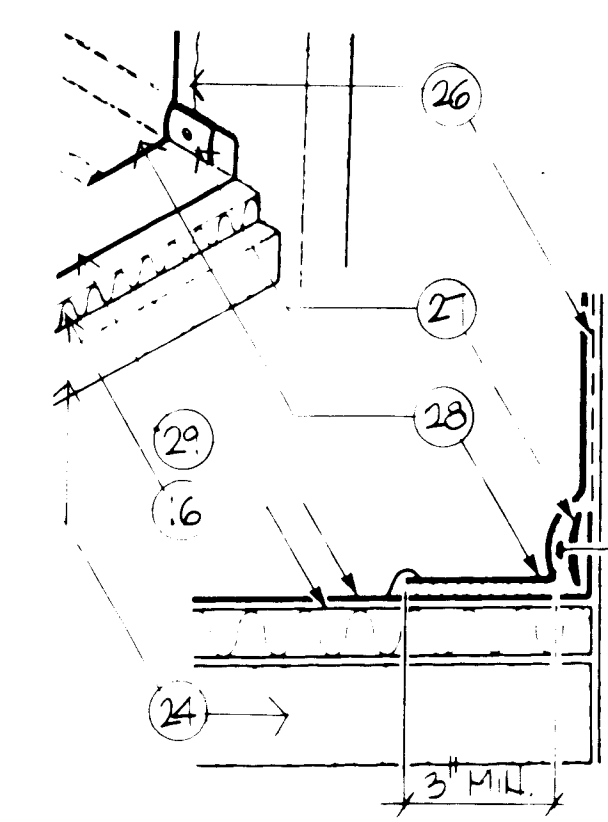
PARAPET DETAIL 1  
1/8" = 1'-0"



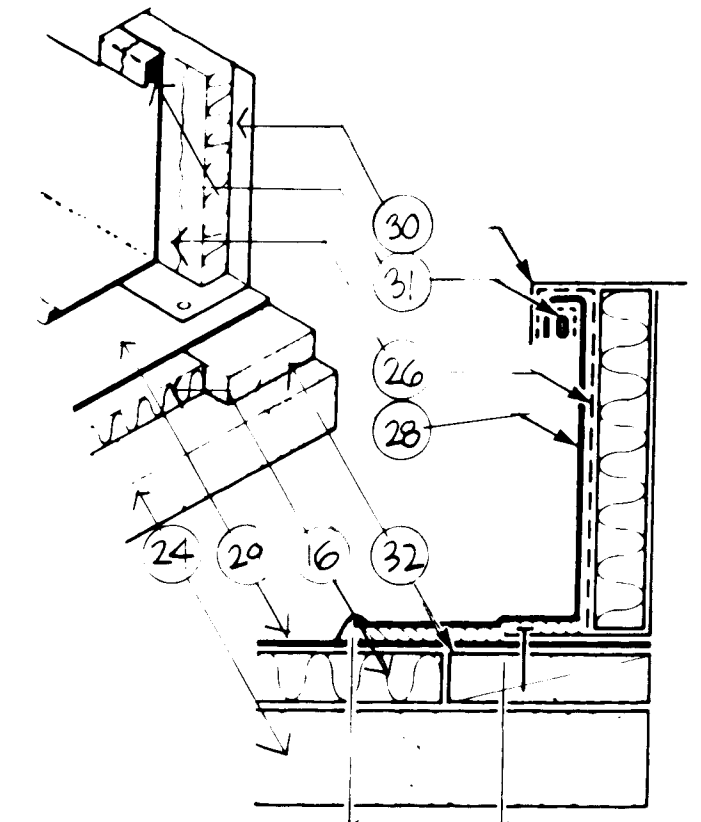
PARAPET DETAIL 2  
1/8" = 1'-0"



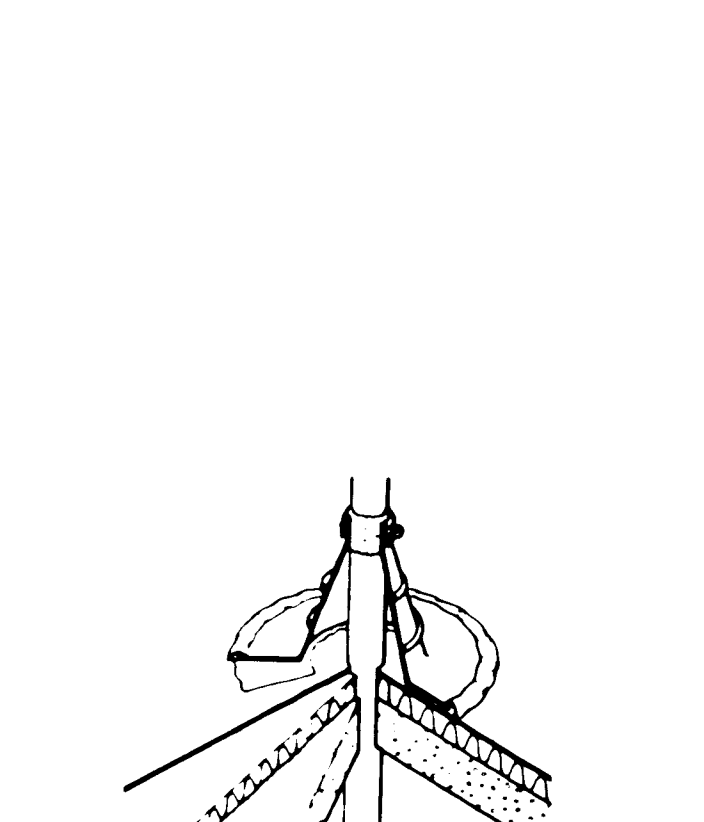
COPING DETAIL 3  
5/8" = 1'-0"



FLASHING DETAIL 4  
1/4" = 1'-0"

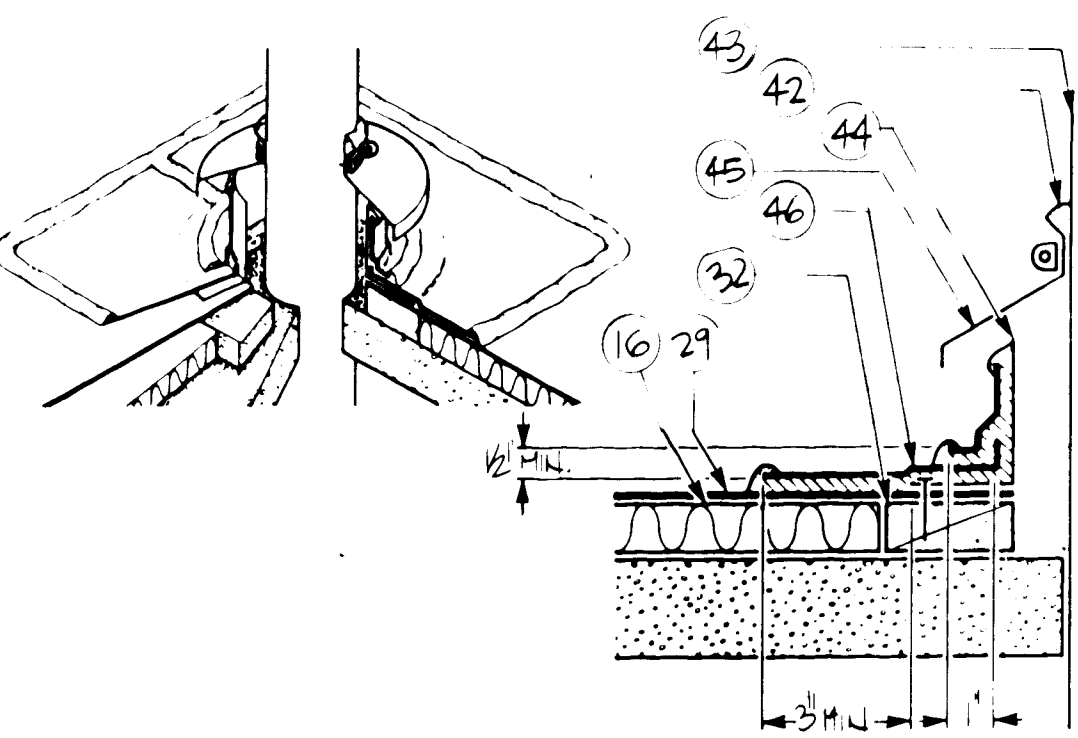


CURB DETAIL 5  
1/4" = 1'-0"

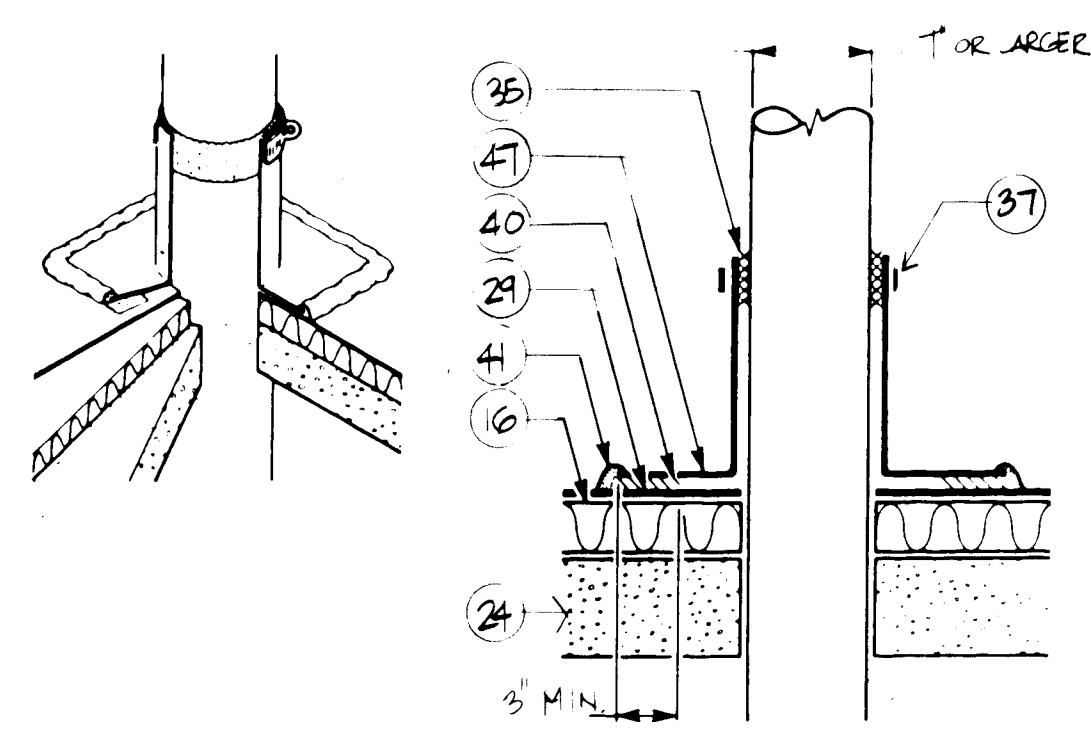


ROOF DRAIN DETAIL 6  
1/4" = 1'-0"

COLD PIPE DETAIL 7  
1/4" = 1'-0"



HOT PIPE DETAIL 8  
1/4" = 1'-0"



COLD PIPE DETAIL 9  
1/4" = 1'-0"

NOTES

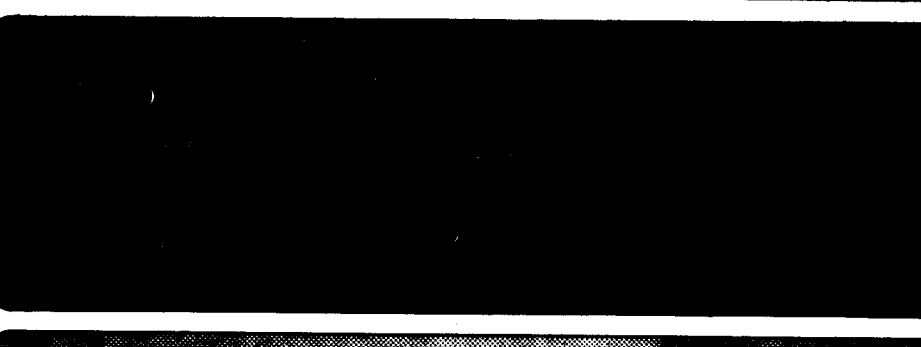
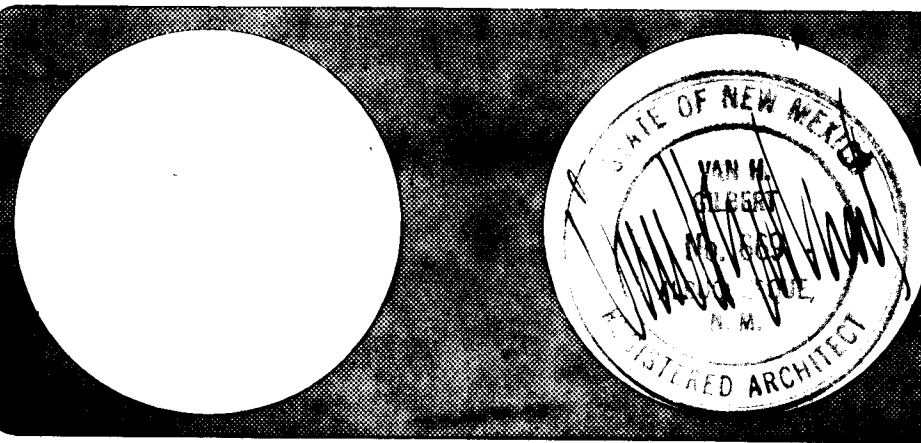
1. TAPERED INSULATION CRICKETS, TYPICAL AROUND ROOF DRAIN, AND ON HIGH SIDE CURBS OR SKYLIGHTS WHICH ARE PERPENDICULAR TO ROOF SLOPE.
2. ROOF DRAIN, TYPICAL, SEE MECHANICAL DRAWINGS.
3. 28" X 52" (NOMINAL) SKYLIGHT WITH 9" INSULATED INTEGRAL CURB.
4. 72" DIA. (NOMINAL) ROUND SKYLIGHT WITH 9" INSULATED INTEGRAL CURB.
5. 42" X 42" (NOMINAL) SKYLIGHT WITH 9" INSULATED INTEGRAL CURB.
6. 28" X 28" (NOMINAL) SKYLIGHT WITH 9" INSULATED INTEGRAL CURB.
7. ROOF SLOPED 1/4" PER FOOT, TYPICAL.
8. 2 X 10 EGGCRATE TRUSS, WOOD FRAMING TO BE CLEAR ALL HEART REDWOOD.
9. ALUMINUM PARAPET CAP, SEE 3/A-10 ON THIS SHEET.
10. DELETED.
11. PORCELAIN FACING TILE OVER 1" MORTAR BED AND GYPSUM SHEATHING.
12. 6" 16 GAGE METAL STUDS, SPACED AS INDICATED IN STRUCTURAL DRAWINGS.
13. R-19 BATT INSULATION.
14. SEALANT UNDER FLASHING.
15. EDPM ELASTOMERIC MEMBRANE ROOFING SYSTEM. SEE DETAILS ON THIS SHEET.
16. 1-1/2" RIGID INSULATION, MUST CONFORM TO SUBSTRATE RECOMMENDATIONS OF ROOF MEMBRANE MANUFACTURER FOR PLATE SPAN.
17. R-10 BATT INSULATION FIXED TO ROOF DECK WITH PIN-WELDED HANGER AS SPECIFIED.
18. STEEL BEAM. SEE STRUCTURAL FOR TYPE AND LOCATION.
19. ALUMINUM PARAPET CAP; SEE 3/A-10 ON THIS SHEET.
20. 3/4" CDX PLYWOOD.
21. 4" 16 GAGE METAL STUDS SPACED AS INDICATED ON STRUCTURAL DRAWINGS.
22. R-11 BATT INSULATION.
23. TAPERED INSULATION CRICKET. 1/4" PER FOOT MINIMUM SLOPE.
24. METAL DECKING; SEE STRUCTURAL DRAWINGS.
25. DELETE.
26. BONDING ADHESIVE.
27. RUBBER FASTENING STRIP WITH UNIVERSAL FASTNER.
28. .060" EPDM MEMBRANE FLASHING.
29. .045" EPDM MEMBRANE ROOFING.
30. INSULATED INTEGRAL CURB SKYLIGHT.
31. RUBBER ROD STOCK ADHERED IN PLACE.
32. TREATED WOOD NAILER. MUST EXTEND PAST TOTAL WIDTH OF DECK FLANGE.
33. HOLE IN MEMBRANE MUST EXCEED SIZE OF DRAIN PIPE.
34. ROOF DRAIN CLAMPING RING.
35. WATER CUTOFF MASTIC.
36. INSULATION TAPE SHALL NOT BE STEEPER THAN 1" (VERTICAL) IN 2" (HORIZONTAL).
37. STAINLESS STEEL CLAMPING RING.
38. PRE-MOLDED PIPE SEAL MUST HAVE INTACT RIB AT TOP EDGE REGARDLESS OF PIPE DIAMETER.
39. PRE-MOLDED PIPE SEAL.
40. SPLICING CEMENT.
41. LAP SEALANT.
42. SEALANT.
43. HOT PIPE.
44. METAL COLLAR.
45. RAIN HOOD.
46. FLASHING WITH LAP SPLICE (MIN. 3" SPLICE).
47. PRE-FABRICATED PIPE SEAL. MUST NOT BE CUT VERTICALLY.
48. MADE W-3943 DOWNSPOUT NOZZLE FOR OVERFLOW DRAIN LINE.
49. 11" X 24" X 3" PRECAST SPLASHBLOCK.
50. ROOF DRAIN PIPE FROM HIGH ROOF.
51. 6 X 6 TUBE SECTION. SEE STRUCTURAL.
52. 14" CONCRETE COLUMN.
53. STEEL WINDOW ANCHORED TO COLUMN. SEE SHEET A-9.
54. PORCELAIN FACING TILE ON MORTAR BED OVER GYPSUM SHEATHING.
55. METAL COUNTERFLASHING.
56. .050" ALUMINUM FACTORY FORMED COPING.
57. GUTTER SPACE PLATE.
58. ANCHOR PLATE.

RECORD DRAWING

REV - AS BUILT

Van 'H. Gilbert Architect AIA

1000 10th Street, Suite 100, San Francisco, CA 94103  
415.774.1000

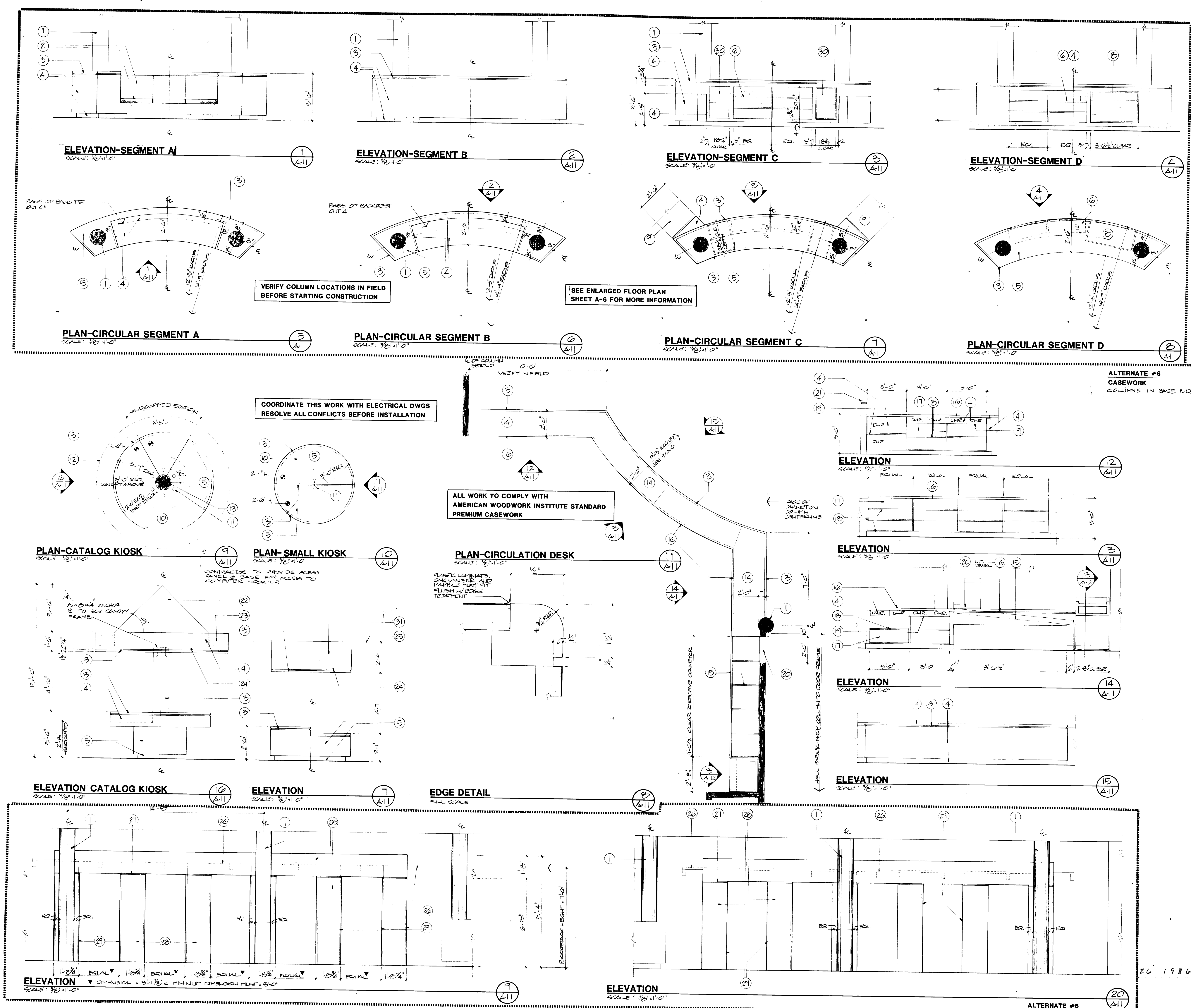


Date: 1/2/86 Drawn By: Copyright: Van 'H. Gilbert Architect AIA

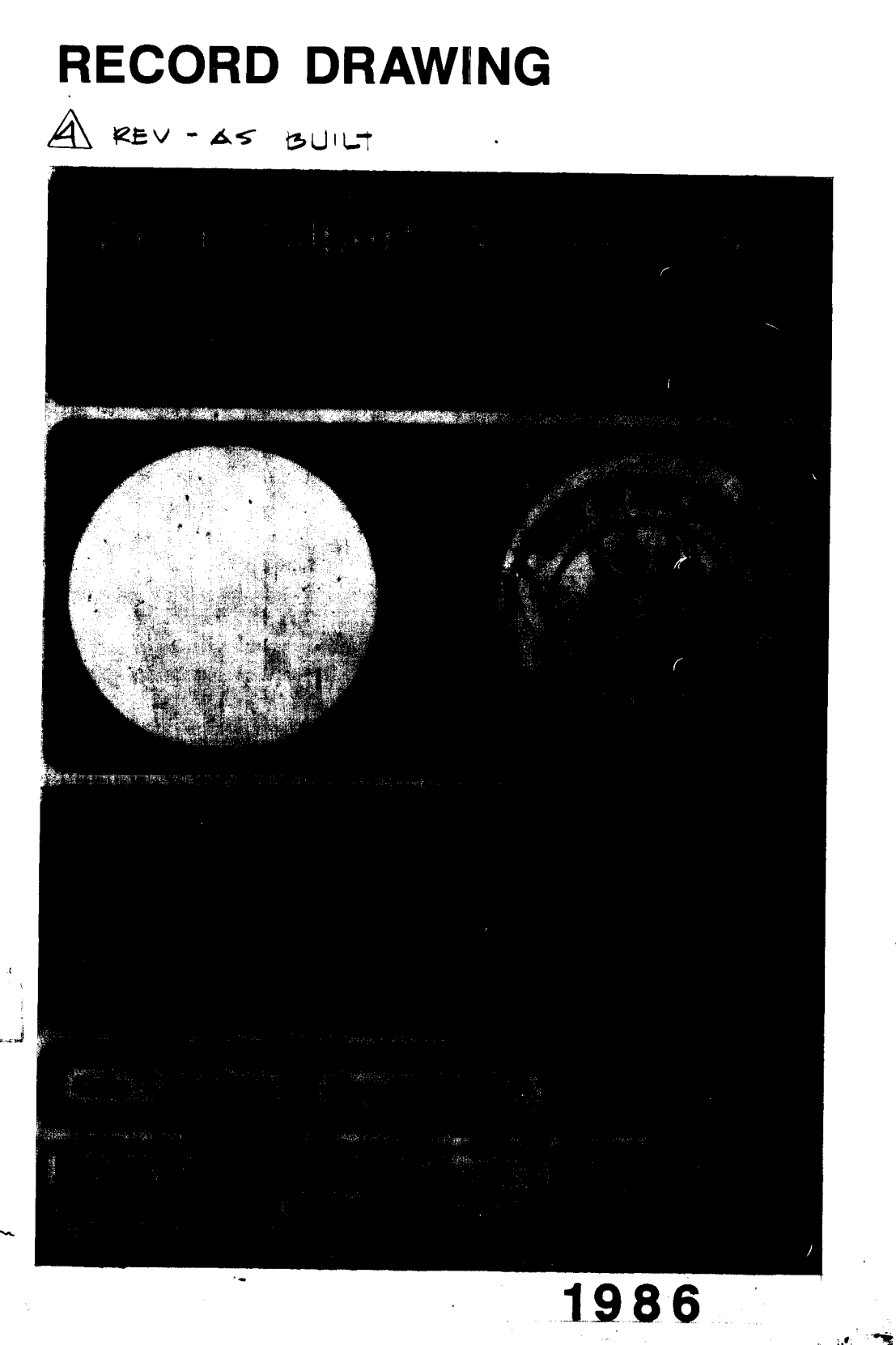
ROOF PLAN Sheet: A10 22 of 34

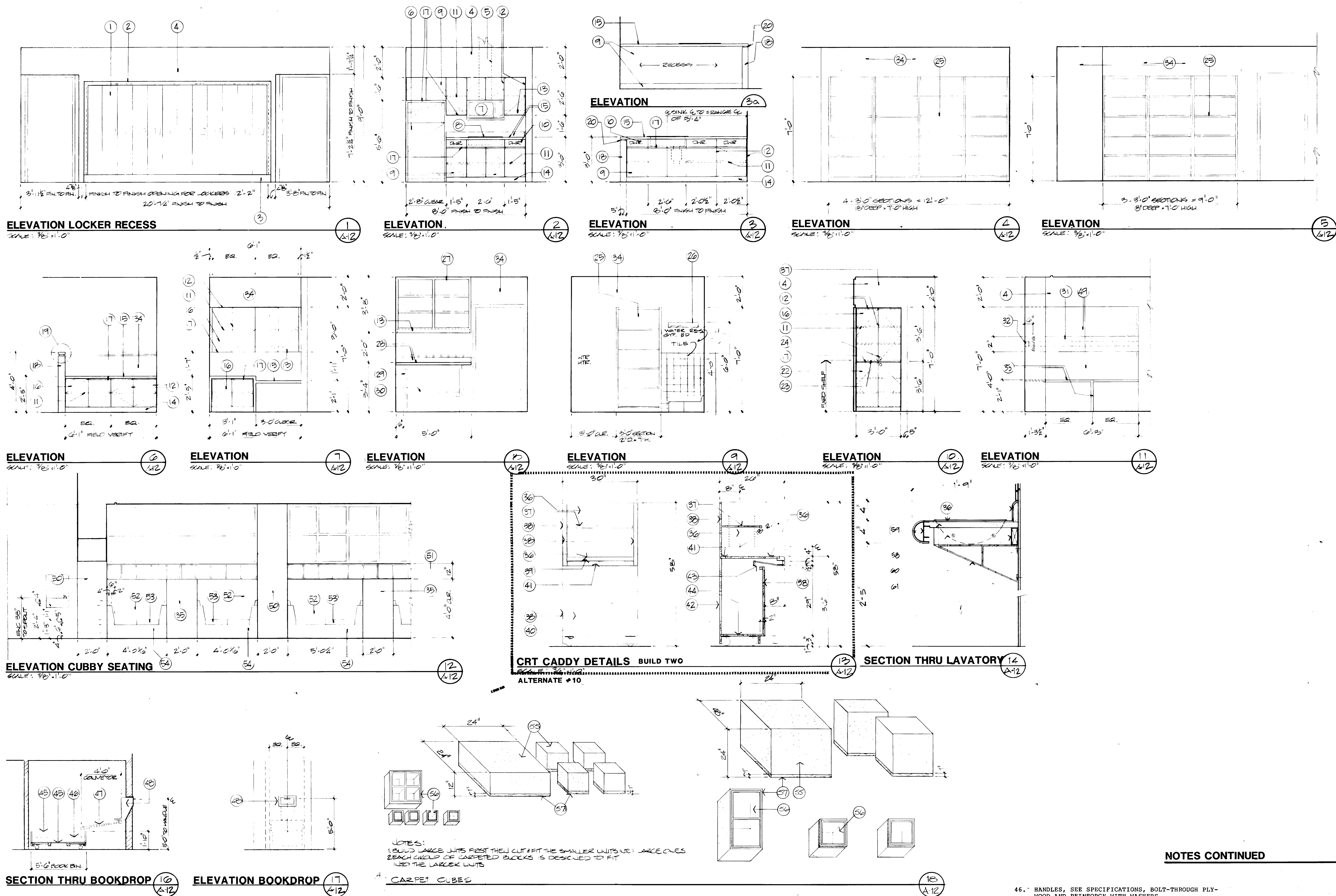
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- NOTES**
1. CONSTRUCTION MATERIALS: FINISH: SEE ALTERNATE #6.
  2. FINISH: SEE ALTERNATE #6.
  3. FINISH: SEE ALTERNATE #6.
  4. FINISH: SEE ALTERNATE #6.
  5. FINISH: SEE ALTERNATE #6.
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  26. FINISH: SEE ALTERNATE #6.
  27. FINISH: SEE ALTERNATE #6.
  28. FINISH: SEE ALTERNATE #6.
  29. FINISH: SEE ALTERNATE #6.
  30. FINISH: SEE ALTERNATE #6.
  31. FINISH: SEE ALTERNATE #6.





NOTES

1. LOCKER ASSEMBLY AS SPECIFIED; VERIFY MANUFACTURER'S DIMENSIONS BEFORE CONSTRUCTION OF ENCLOSURE.
2. KITCHEN MANUFACTURER'S STANDARD CLOSURE DETAIL TO WALL ENCLOSURE.
3. ANCHORING PAD 6" HIGH WITH CAST-IN WOOD GROUND TO RECEIVE LOCKER ANCHORS. VERIFY SIZE AND LOCATION WITH LOCKER MANUFACTURER.
4. EXTEND SLOTTED WITH 3-5/8" STEEL STUDS AND 5/8" TYPE X GYPSUM. FINISH AS SHOWN ON FINISH SCHEDULE.
5. RANGE EXHAUST DUCT. SEE MECHANICAL DRAWINGS.
6. REFRIGERATOR AS SPECIFIED; NOTE HAND OF DOOR.
7. MICROWAVE UNIT AS SPECIFIED; NOTE HAND OF THE DOOR.
8. ELECTRIC RANGE TOP AS SPECIFIED.
9. ALL KITCHEN CASEWORK TO BE CONSTRUCTED FROM 3/4" HIGH DENSITY PARTICLEBOARD WITH PLASTIC LAMINATE EXPOSED FINISHES AND KORTRON (WHITE) INTERIORS. ALL WORK IS TO BE PLASTER OVERLAY UTILIZING CONCEALED, SELF-CLOSING, 115 DEGREE EUROPEAN HINGES AS SPECIFIED.
10. PROVIDE FULL EXTENSION DRAWER SLIDES BY GRANT, OR EQUAL, #328, WITH LOAD CAPACITY OF 500/LB. PROVIDE ADJUSTABLE SLEEVES OF 3/4" HIGH DENSITY PARTICLEBOARD WITH KORTRON FINISH. ADJUSTMENT BY PIN SUPPORTS AS MANUFACTURED BY KNAPE & VOGT #3472C OR EQUAL. SUPPORTS ADJUST ON 1" INCREMENTS.
11. ALL CLEARANCES AT ALL LOCATIONS TO BE HELD TO 1/8" MINIMUM/MAXIMUM.
12. PROVIDE 4" CLEAR VALANCE FOR UNDERCABINET LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS FOR SIZES AND LOCATIONS AND COORDINATE AS REQUIRED.
13. 4" TOP SPACE ALL LOCATIONS.
14. PLASTIC LAMINATE ON 3/4" PLYWOOD WITH OAK EDGE 1-1/2" X 1-1/2" SIMILAR TO DETAIL ON SHEET A-11 WITHOUT REVEAL.
15. OAK SLIP MATCHED VENEER ON 3/4" HIGH DENSITY PARTICLEBOARD AND KORTRON. CABINET CONCEALED, SELF-CLOSING, 115 DEGREE EUROPEAN HINGES AS SPECIFIED.
16. PROVIDE ROUTED FINGER PULL, CONTINUOUS AT BOTTOM OF UPPER CABINET FACES, AT TOP OF LOWER FACES. PROVIDE 1" SPACE WHERE DRAWER AND LOWER FACES MEET FOR SUFFICIENT FINGER ACCESS. THIS SAME CONDITION OCCURS AT LOWER DOOR FACE TO COUNTERTOP.
17. PARTIAL HEIGHT WALL OF 3-5/8" METAL STUDS AND 5/8" TYPE X GYPSUM. FINISH AS SHOWN ON THE FINISH SCHEDULE.
18. TOP OF PARTITION TO RECEIVE 1-1/2" THICK X WALL THICKNESS OAK CAP WITH 1/4" OAK REVEAL CONTINUOUS.
19. PROVIDE 1/4" OAK REVEAL AT THIS LOCATION.
20. DADOED.
21. TWO LEFT-HAND LEAVES TO BE FIXED VIA INSTALLATION OF IVES OR EQUAL SURFACE BOLT #43, 4" LONG ON BACK SIDE, EACH LEAF. MOUNT TO ENGAGE WITH STATIONARY SHELF.
22. PROVIDE FIXED SHELF WITH 2" FACE EDGE OF SOLID OAK.
23. TWO RIGHT-HAND LEAVES TO HAVE PIN TUMBLER LOCKS AS MANUFACTURED BY NATIONAL LOCK OR EQUAL. NO. C6123-26D.
24. STEEL MODULAR STORAGE SHELVING AS SPECIFIED.
25. STAINLESS STEEL MOP HOLDER AND SHELF AS SPECIFIED.
26. 1/4" KORTRON CONSTRUCTION THROUGHOUT. PROVIDE HARDWOOD EDGES ON SHELVES AND FACE FRAME.
27. 2" LAMINATED SOLID MAPLE TOP WITH 4" BACK-SPLASH.
28. 3 X 3 HARDWOOD LEG STRUCTURE.
29. 3/4" HIGH DENSITY PARTICLEBOARD ATTACHED TO 3 X 3 HARDWOOD SUPPORTS.
30. OAK VENEER ON 3/4" PLYWOOD VALANCE WITH OAK VENEER EDGES. PAINT BACKSIDE WHITE. PROVIDE 6" CLEAR FROM WALL TO BACKSIDE OF THE VALANCE. MOUNT VALANCE TO 3/4" X 3/4" STEEL TUBE AT 1" FROM TOP AND BOTTOM BACK EDGES OF PLYWOOD. EXTEND TUBES TO WALL AND ATTACH.
31. VALANCE LIGHTING. FIXTURES MUST BUTT AGAINST EACH OTHER TO FORM UNBROKEN BAND OF LIGHTING. USE LONGEST PRACTICABLE FIXTURE LENGTH.
32. OAK, SLIP MATCHED, VENEER ON 3/4" PLYWOOD WITH 1-1/2" QUARTER ROUND OAK EDGE. EXTEND EDGE TO SUPPORT PANEL OF 2 - 3/4" PLYWOOD VENEERED SHEETS. SUPPORT PANEL EDGE MAKES TRANSITION TO 1-1/2" HALF-ROUND.
33. SEE FINISH SCHEDULE FOR WALL FINISH OR COVERING AT THIS LOCATION.
34. OAK, SLIP MATCHED, VENEER ON 3/4" PLYWOOD.
35. PLASTIC LAMINATE, COLOR CHOSEN BY ARCHITECT FROM FULL RANGE OF STANDARD AND CUSTOM COLORS, ON 3/4" PLYWOOD AS SPECIFIED.
36. PLASTIC LAMINATE ON 3/4" PLYWOOD ADJUSTABLE SHELF. PROVIDE SOLID OAK NOSE WITH 1" FACE.
37. OAK RIFT-CUT VENEER ON 3/4" PLYWOOD.
38. SOLID WHITE OAK EDGE WITH 3/4" RADIUS QUARTER ROUND TOP EDGE, SIMILAR TO DETAIL 18/A-11.
39. CASTERS, FREE WHEELING WITH HARD ROLLER SURFACE SUITABLE FOR CARPETING (ROOM 08), FREE WHEELING WITH CASTER SUITABLE FOR HARD SURFACE (ROOM 17). MOUNT CASTERS WITH ACES-ON PLATE. PROVIDE 2" X 10" SLOT AT REAR OF TOP. EDGE OPENING WITH PLASTIC LAMINATE.
40. 12" X 12" OPENING AT BACKSIDE FOR CRT CAB STORAGE. PROVIDE SOLID OAK EDGE ALL AROUND.
41. PULL-OUT SHELF WITH GRANT #344 DRAWER SLIDES. SHELF MUST EXTEND 12" TO PROVIDE BOOK REST.
42. 3/4" PLYWOOD BASE. REINFORCE AREA AROUND THE CASTERS WITH SOLID WOOD AS REQUIRED.
43. BOOK BIN CONSTRUCTED FROM 3/4" PLYWOOD COMPLETE. ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE WITH VINYL EDGE TIE ON UPPER EDGE. PROVIDE 4 CASTERS, FREE WHEELING, SUITABLE FOR CARPETING. SCREW PLATE MOUNT TO 3/4" SOLID WOOD BACKER AS SHOWN. PROVIDE ADDITIONAL SOLID WOOD REINFORCING FOR 3/4" PLYWOOD BOTTOM.

NOTES CONTINUED

46. HANDLES, SEE SPECIFICATIONS, BOLT-THROUGH PLYWOOD AND REINFORCE WITH WASHERS.
47. CONVEYOR BOLTED TO WALL, TIGHT TO BOTTOM OF BOOK DEPOSITORY AND WITHIN 2" FROM TOP OF BOOK BIN. CONVEYOR MUST PROJECT OVER BOOK BIN 4" MINIMUM.
48. BOOK DEPOSITORY AS SPECIFIED. INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE COILS AND SOLID BLOCKING UNDER AND AROUND UNIT.
49. 5/8" GYPSUM WITH FABRIC WALL COVERING AS SPECIFIED. CARRY FABRIC TO COUNTERTOP ONLY. WALL BELOW COUNTERTOP TO RECEIVE "SPECIAL SYSTEM" FINISH.
50. 5/8" GYPSUM, TEXTURED. THESE SURFACES TO RECEIVE "SPECIAL SYSTEM" WALL FINISH AS SPECIFIED. DELETE.
51. CARPET, AS SPECIFIED, APPLIED TO VERTICAL SURFACES OF EACH CUBBY. AS SPEC. IN SECTION 014000.
52. SEATING UNIT CUSHIONS OF LAMINATED FOAM CONSTRUCTION WRAPPED IN DACKON FIBER-FILL AND COVERED IN FABRIC AS SPECIFIED. ATTACH CUSHIONS SIMILAR TO NOTE 2, SHEET A-11.
53. PLASTIC LAMINATE ON 3/4" HIGH DENSITY PARTICLEBOARD THROUGHOUT. PROVIDE TWO LAYERS OF 3/4" PARTICLEBOARD ON HORIZONTAL SURFACES OF SEATING WITH 2 X 4 STRUCTURAL ELEMENTS AT 12" O.C. MAXIMUM.
54. CARPET TYPICAL ON 3 SIDES OF CUBE. SEE SPECS FOR CARPET TYPE. AS SPEC. IN SECTION 014000.
55. 1/2" PLYWOOD BOX. LOCK JOINTS AT CORNERS TYPICAL. DADO INTERMEDIATE DIVIDERS.
56. SOLID OAK TRIM.
57. 3/4" PLYWOOD AS SPECIFIED.
58. EXTRUDED ALUMINUM BULLDOGS LAVATORY FACING BY PITTCO OR EQUAL.
59. 2 X WOOD BRACING.
60. 1/2" X 2" STEEL CRACKET.

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RECORD DRAWING

TRAMWAY BLVD.

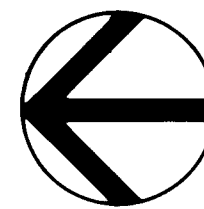
LOMAS BLVD.

NEW BUILDING  
P.F. 9100.00

EASTRIDGE DR.

UTILITIES SITE PLAN

SCALE: 1" = 20'-0"



SPECIFIC NOTES:

- CONNECT NEW SERVICE LINE TO EXISTING MAIN AS APPROVED AND DIRECTED BY CITY AND OWNER. COORDINATE WITH LOCAL GOVERNING ENGINEERING OFFICIALS AND OWNER AND CONFORM TO THEIR REQUIREMENTS.
- INSTALL NEW 1 1/2" SIZE METER IN CITY-APPROVED METER BOX LOCATED WHERE DIRECTED THIS APPROXIMATE LOCATION. INSTALL ISOLATION VALVES ON EACH SIDE FOR SERVICING. AND ALL ACCESSORIES AS REQUIRED BY CITY OF ALBUQUERQUE.
- SEE PLUMBING PLANS FOR CONTINUATION OF PIPING.
- INSTALL TWO-WAY CLEANOUT TO GRADE, SET FLUSH WITH FINISHED PAVING.
- NEW NATURAL GAS SERVICE BY LOCAL GOVERNING GAS COMPANY FOR TOTAL CFH CONNECTED LOAD NOTED. COORDINATE SERVICE WITH GAS COMPANY, AND CONFORM TO THEIR REQUIREMENTS. CONTRACTOR SHALL PAY ALL COSTS INCURRED.
- INSTALL SERVICE STOP, SET FLUSH WITH FINISHED GRADE. SEE DETAIL IN SPEC'S.
- EXTEND NEW 4" SEWER FROM BUILDING AND TAP INTO EXISTING SANITARY SEWER AS APPROVED AND DIRECTED BY CITY. COORDINATE WITH LOCAL GOVERNING ENGINEERING OFFICIALS AND CONFORM TO THEIR REQUIREMENTS. VERIFY EXACT LOCATION AND DEPTH OF EXISTING MAIN, BEFORE SETTING ANY NEW INVERTS.
- GAS METER AND REGULATOR LOOP SIZED FOR TOTAL CFH CONNECTED LOAD. COMPLETE PER LOCAL GOVERNING GAS COMPANY REQUIREMENTS. COORDINATE WITH GAS COMPANY AND CONFORM TO THEIR REQUIREMENTS.
- 1-1/2" LANDSCAPE TREE WITH SHUT-OFF VALVE AND CAP.
- 3/4" CM WITH SERVICE STOP (SET FLUSH WITH GRADE) AND CAP FOR FOUNTAIN, SEE ARCHITECTURAL PLANS.

NOTE: SEWER SHALL BE A MIN. OF 4'-0" DEEP AT PROPERTY LINE

RHM: 8795.10  
INV: 8748.44

EQUIPMENT SCHEDULE

| SYMBOL         | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1<br>THRU<br>4 | AIR WASHER: 100W CENTRIFUGAL TYPE BLOWERS, ADJUSTABLE V-BELT DRIVES, BEARINGS SHALL BE SELF-ALIGNING & SELF-OILING, MINIMUM 16 GAGE BLOWER HOUSING, 2-SPEED MOTORS. COOLING SECTION SHALL INCLUDE PRE-COOLING FILTERS (LATEX COATED), PRIMARY COOLING FILTERS (LATEX COATED), & ELIMINATOR FILTERS (LATEX COATED) WITH ALL FRAMES, CLIPS, AND MESH SCREENS, PROVIDE COMPLETE WATER DISTRIBUTION SYSTEMS PUMP WITH INTEGRAL STRAINER, FLOAT OPERATED VALVE (PUMP SHALL BE 115-60-18 ELECTRICAL), WATER DISTRIBUTION SYSTEM SHALL ACHIEVE A MINIMUM OF 70% SATURATING EFFECTIVENESS, 20 GAGE "WATERTIGHT" SUMP & COOLING SECTION, EXTERIOR PROTECTED BY TWO-PART WASH PRIMER & EPOXY ENAMEL FINISH, INTERIOR PARTS PROTECTED BY 3-MIL DRY THICKNESS COATING OF 94% ZINC-RICH COMPOUND DIRECTLY APPLIED TO THE METAL WITH A FINISH EQUAL TO HOT-DIPPED GALVANIZING. HORIZONTAL AIR DISCHARGE FROM FRONT OF CABINET, PROVIDE A MINIMUM OF (1) ACCESS PANEL WITH ACCESS TO BLOWER, MOTOR & DRIVE. ACCESS PANEL TO HAVE 5/8" SNAP FASTENERS, HANDLE & WEATHERPROOF GASKET. SET UNITS ON EQUIPMENT SUPPORT AS DETAILED IN SPEC. NO'S. ARE ALTON, OR APPROVED EQUAL. MOTORIZED DISCHARGE DAMPERS. |
| 5<br>THRU<br>8 | OUTDOOR FURNACE: ASA APPROVED, FOR OUTDOOR USE, NAT. GAS FIRED, ORIFICE FOR 5000' ELEVATION, SPARK IGNITED IGNITION SYSTEM, AUTO. RELIGHT, COMPLETE GAS TRAIN INCL. LIMIT CONTROLS, MOTOR STARTER, 30% MOTORIZED FRESH AIR KIT WITH SCREEN, 2" FILTERS (THROUGHWAY TYPE), 24 VOLT CONTROLS, SET MINIMUM FRESH AIR AS NOTED. MOTOR-1000 DISCHARGE DAMPERS NO'S. ARE REZNOR, OR APPROVED EQUAL. SET ON EQUIPMENT SUPPORT PER DETAIL IN SPEC., TWO-STAGE GAS CONTROLS FOR 6 & 7.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 9<br>AND<br>10 | EXHAUST FANS: SQUIRREL CAGE BLOWER, MOUNTED FROM OVERHEAD CONSTRUCTION, INLET GRILLE, 120-60-18 ELECTRICAL, SCREENED ROOF CAP, BACKDRAFT DAMPER, GREENHECK, OR APPROVED EQUAL. CABINETS INSULATED COMPLETE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 11             | AIR SCREEN: GREENHECK MODEL 36C, 1/2 3P, 1750 RPM, 115-60-18, 1700 CFM AT NOZZLE, 2275 FPM AT NOZZLE, SEE ARCHITECT DETAIL FOR MOUNTING, OR EQUAL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| SYMBOL | MODEL     | CFM @ " " ESP | BLOWER HP | WT. | SEA LEVEL | ELECTRICAL |
|--------|-----------|---------------|-----------|-----|-----------|------------|
| 1      | HEDM-750  | 7000 @ 3/4"   | 3         | 530 | 208-60-38 | 830        |
| 2      | HEDM-1250 | 12000 @ 1"    | 5         | 495 | 208-60-38 | 1125       |
| 3      | HEDM-1250 | 12000 @ 1"    | 5         | 495 | 208-60-38 | 1125       |
| 4      | HEDM-550  | 5000 @ 3/4"   | 2         | 600 | 208-60-38 | 680        |

| SYMBOL | MODEL    | CFM @ " " ESP | BLOWER HP | WT.   | SEA LEVEL | ELECTRICAL |
|--------|----------|---------------|-----------|-------|-----------|------------|
| 5      | HREB-200 | 4200 @ .30"   | 3         | 800F  | 200,000   | 208-60-38  |
| 6      | HREB-400 | 6000 @ .50"   | 3         | 1200F | 400,000   | 208-60-38  |
| 7      | HREB-400 | 6000 @ .50"   | 3         | 1200F | 400,000   | 208-60-38  |
| 8      | HREB-150 | 2800 @ .30"   | 2         | 700F  | 150,000   | 208-60-38  |

| SYMBOL | FRESH AIR SETTING | TEMP. RISE | RPM  |
|--------|-------------------|------------|------|
| 5      | 10%               | 39°F       | 1190 |
| 6      | 10%               | 49°F       | 1095 |
| 7      | 10%               | 49°F       | 1095 |
| 8      | 10%               | 40°F       | 1070 |

| SYMBOL | MODEL | CFM @ " " ESP | HP   | NOTES              |
|--------|-------|---------------|------|--------------------|
| 9      | SP-17 | 101 @ .375"   | 1/50 | INTERLOCK W/LIGHTS |
| 10     | SP-27 | 315 @ .250"   | 1/15 | INTERLOCK W/LIGHTS |

F.D. FIRE DAMPER: AIR BALANCE TYPE 119, FOR VERTICAL MOUNTING, U.L. LISTED, BLADES OUT OF THE AIRSTREAM, RATED FOR APPLICATION WHERE USED, OR APPROVED EQUAL.

GRILLE AND REGISTER SCHEDULE

| SYMBOL | DESCRIPTION                                                                                                                                                                                                                          |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RA1    | RETURN AIR REGISTER (CEILING): TITUS MODEL 50-F WITH OPPOSED BLADE VOLUME DAMPER, OFF-WHITE COLOR, FOR APPLICABLE TYPE CEILING, PAINT INSIDE OF DUCT FLAT BLACK, OR APPROVED EQUAL.                                                  |
| FR     | FLOOR REGISTER: TITUS MODEL CNT-15 WITH 0" OPPOSED BLADE VOLUME DAMPER (ALLEN KEY OPERATED), 0" DEFLECTION, 1/2" O.C. SPACING, CLUTTERED ALUMINUM CONSTRUCTION, HEAVY DUTY MOUNTING FRAMES FOR FLOOR APPLICATION, OR APPROVED EQUAL. |
| RA2    | RETURN AIR REGISTER (SIDEWALL): SAME AS (FR), OFF-WHITE COLOR.                                                                                                                                                                       |
| EX     | EXHAUST REGISTER: SAME AS (RA1) (CEILING).                                                                                                                                                                                           |

GRILLE AND REGISTER NOTE: THE ARCHITECTURAL ROOM FINISH SCHEDULE SHALL TAKE PRECEDENCE OVER THE SYMBOL DESIGNATION. DISCREPANCIES SHALL BE CLEARLY NOTED ON THE SUBMITTALS. CEILING SUB-CONTRACTOR SHALL FURNISH ADDITIONAL T-BARS OR SPLINES AS REQUIRED TO SUPPORT AND FINISH AROUND CEILING MOUNTED DIFFUSERS AND GRILLES.

RECORD DRAWING  
REV. - AS BUILT

GENERAL PLUMBING NOTES (APPLY TO ALL SHEETS):

MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ROUGH-IN AND CONNECTION OF EQUIPMENT REQUIRING COLD WATER, HOT WATER, INDIRECT WASTE, DIRECT WASTE AND VENT, DRAIN PIPING, AND NATURAL GAS PIPING.

COORDINATE ALL PIPING BELOW SLAB WITH STRUCTURAL DRAWINGS.

ALL PIPING SHALL BE CONCEALED EXCEPT WHERE EXPRESSLY NOTED.

TAKE SPECIAL CARE TO KEEP VENTS THROUGH ROOF AWAY FROM ALL FRESH AIR INLETS ON ROOFTOP EQUIPMENT.

CARE SHALL BE TAKEN TO AVOID MECHANICAL DUCTWORK, ELECTRICAL EQUIPMENT AND AIR-HANDLING EQUIPMENT ABOVE CEILING. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ROUTING OF PIPING WITH CEILING CONTRACTOR AND SHEETMETAL CONTRACTOR. RELOCATION OF PIPING REQUIRED DUE TO POOR COORDINATION BY THIS CONTRACTOR SHALL BE AT HIS EXPENSE.

ALL TRENCHING AND BACKFILL FOR PIPING SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR.

ALL PLUMBING AND MECHANICAL SYSTEMS SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, AND O.S.H.A. STANDARDS.

ALL WATER PIPING BELOW FLOOR SHALL BE TYPE "L" COPPER, NO JOINTS, WRAPPED COMPLETE WITH X-TRU-COAT OR WITH 2" WIDTH OF #101 SCSOENWRAP WITH #50 TAPE.

CONNECT GAS LINES TO EACH PIECE OF GAS FIRED EQUIPMENT WITH GAS COCK, UNION, DIRT LEG AND FLEXIBLE CONNECTION SIZES AS NOTED.

CAULK ALL PIPING PENETRATIONS THRU FIRE WALLS WITH DOW-CORNING NO. 365-48, SEMCO NO. PR855 OR EQUAL TO MEET PROPER FIRE RATING.

GENERAL MECHANICAL UTILITIES NOTES:

THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED TO MECHANICAL UTILITIES INCLUDING: TRENCHING; BACKFILL; SUPPORTS; CLEANOUT PADS; SERVICE STOPS AND BOXES; SERVICE LINES; TESTING; CLEANING; AND STERILIZING.

MINIMUM DEPTHS BELOW GRADE (COVER): WATER--36" SEWER--24" GAS--18"

REFER TO ARCHITECTURAL PLANS FOR FINISH AND EXISTING GRADES.

THIS CONTRACTOR SHALL COORDINATE CUTOFF OF EXISTING UTILITIES FOR NEW CONNECTIONS WITH LOCAL UTILITIES ENGINEERING OFFICIALS AND SHALL CONFORM TO THEIR REQUIREMENTS.

UTILITIES CONNECTION POINTS ARE APPROXIMATE ONLY. CONTRACTOR SHALL SATISFY HIMSELF AS TO EXISTING SITE CONDITIONS BEFORE SUBMITTING HIS PRICE. VERIFY EXACT SIZE, LOCATION AND DEPTH OF EXISTING SEWER BEFORE SETTING ANY NEW INVERTS. VERIFY EXACT SIZE, LOCATION AND PRESSURE OF EXISTING WATER AND GAS MAINS.

CONTRACTOR SHALL CONNECT NEW SERVICE LINES AS APPROVED AND DIRECTED BY LOCAL GOVERNING UTILITIES ENGINEERING OFFICIALS AND SHALL CONFORM TO THEIR REQUIREMENTS.

MECHANICAL CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH LANDSCAPE PLANS TO MISS ALL LARGE TREES, PLANTERS, ETC.

MECHANICAL CONTRACTOR SHALL SLOPE ALL SEWER MAINS AS REQUIRED TO INSURE CONNECTION TO EXISTING SEWER MAIN WITH ADEQUATE SLOPE.

MECHANICAL CONTRACTOR NOTE:

THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION DISCUSSIONS WITH LOCAL UTILITIES ENGINEERING OFFICIALS, AND PREVIOUS CONSTRUCTION DRAWINGS, PROVIDED TO ARCHITECT. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES IN THE IMMEDIATE VICINITY OF THE PROPOSED BUILDINGS MAY BE SLIGHTLY DIFFERENT FROM THE LOCATION SHOWN ON THIS DRAWING. IF ADDITIONAL LINES ARE ENCOUNTERED, THEY SHALL BE EXPOSED AND IDENTIFIED BY THIS CONTRACTOR. WHERE ADDITIONAL LINES AND/OR DIFFERING LOCATIONS ARE ENCOUNTERED, THIS CONTRACTOR SHALL REQUEST THAT THE ARCHITECT MAKE A RULING AS TO ANY NECESSARY CHANGE OF MATERIALS, RE-ROUTING, ABANDONING OR RELOCATING OF SUCH LINES. GAS COMPANY SHALL BE THE SOLE AUTHORITY IN RULING ON THE DISPOSITION OF NATURAL GAS PIPING. ALL LINES ENCOUNTERED THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED TO CLEAR CONSTRUCTION (IF ACTIVE) AND SHALL BE REMOVED IF INACTIVE BY THIS CONTRACTOR UNDER THIS CONTRACT. CONTRACTOR SHALL PAY FOR ANY AND ALL COSTS OF PERMITS, LINE EXTENSIONS, METER INSTALLATION, ETC., AS REQUIRED BY LOCAL GOVERNING UTILITIES ENGINEERING OFFICIALS AND LOCAL GOVERNING GAS COMPANY.

CHAPTER 53 ENERGY CALCULATIONS:

GROSS ROOF AREA = 12,860

TYPICAL ROOF:

|                  |       |
|------------------|-------|
| OUTSIDE AIR FILM | 0.17  |
| B/U ROOF         | 0.33  |
| 1-1/2" RIGID     | 2.67  |
| BATT INSULATION  | 38.00 |
| AIR SPACE        | 0.85  |
| AC TILE          | 1.19  |
| INSIDE AIR FILM  | 0.68  |
| R = 43.89        |       |
| U = .023         |       |

| MULTIPLIERS | "U"            | AREA | TOTAL |
|-------------|----------------|------|-------|
| ROOF        | .023 X 12750 = | 293  |       |
| SKYLITE     | .70 X 110 =    | 77   |       |
| TOTAL       |                | 370  |       |

AREA = .03 LESS THAN .09 ALLOWED

| MULTIPLIERS  | "U"           | AREA  | TOTAL |
|--------------|---------------|-------|-------|
| WALL #1      | .48 X 180 =   | 239   |       |
| WALL #2      | .31 X 640 =   | 198   |       |
| DOOR         | .047 X 5078 = | 86    |       |
| INSUL. GLASS | .65 X 1672 =  | 1,087 |       |
| TOTAL        |               | 1,610 |       |

AREA = .21 LESS THAN .31 ALLOWED

GROSS WALL AREA = 7,570

TYPICAL WALL #1:

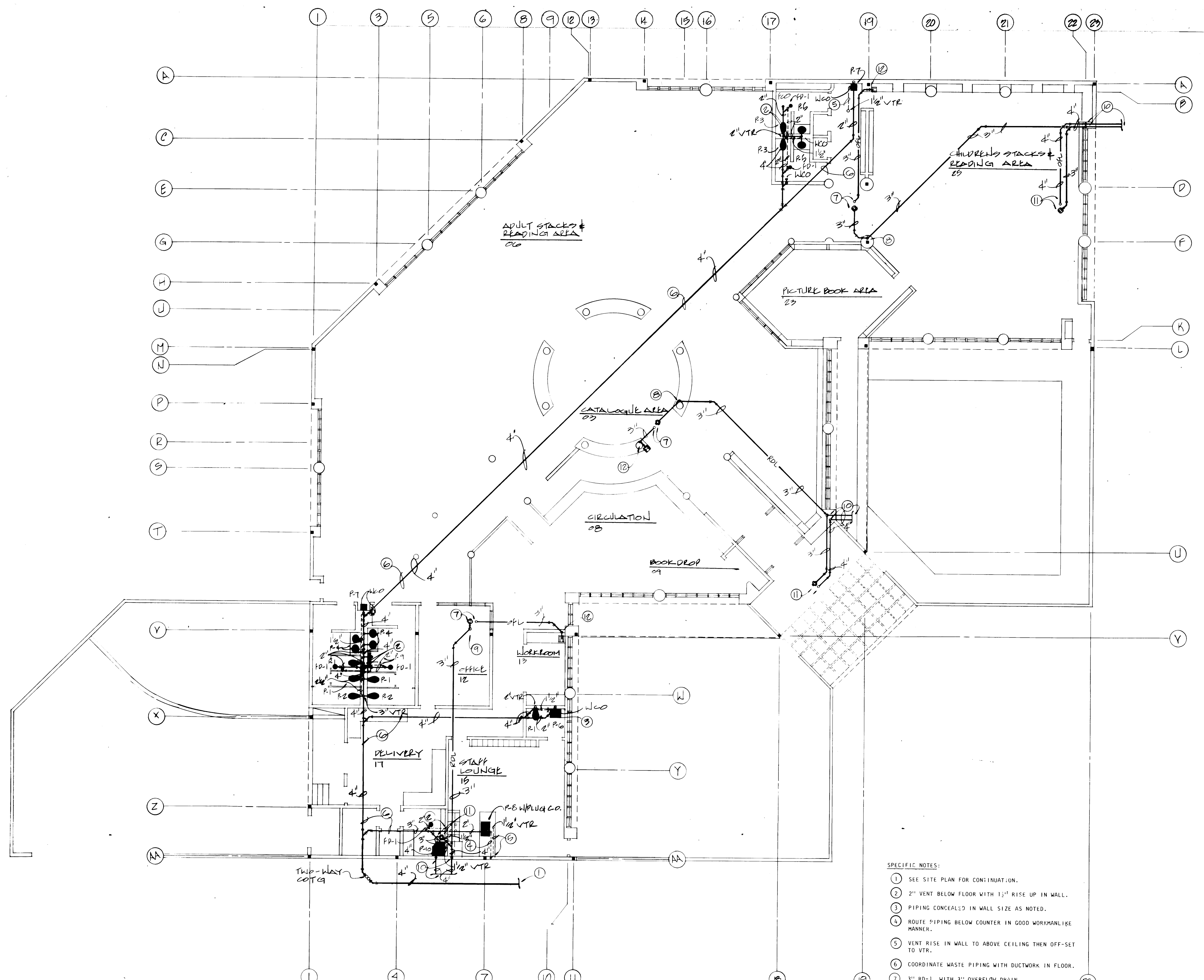
|                  |       |
|------------------|-------|
| OUTSIDE AIR FILM | 0.17  |
| PLASTER          | 0.20  |
| 1/2" GYP.        | 0.45  |
| BATT INSULATION  | 19.00 |
| 5/8" GYP.        | 0.56  |
| INSIDE AIR FILM  | 0.68  |
| R = 21.06        |       |
| U = .047         |       |

| MULTIPLIERS      | "U"  | AREA | TOTAL |
|------------------|------|------|-------|
| OUTSIDE AIR FILM | 0.17 |      |       |
| INSULATING GLASS | 0.65 |      |       |
| 8" CMU           | 1.72 |      |       |
| INSIDE AIR FILM  | 0.68 |      |       |
| R = 5.22         |      |      |       |
| U = .31          |      |      |       |

WALL CALCULATIONS:

|                |       |
|----------------|-------|
| WALL AREA #1 = | 8,078 |
| WALL AREA #2 = | 640   |
| DOOR (H.W.) =  | 1,800 |
| INSUL. GLASS = | 1,672 |

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**SOIL WASTE & VENT PLAN**  
SCALE: 1/8" = 1'-0"

- SPECIFIC NOTES:**
- SEE SITE PLAN FOR CONTINUATION.
  - 2" VENT BELOW FLOOR WITH 1 1/2" RISE UP IN WALL.
  - PIPEING CONCEALED IN WALL SIZE AS NOTED.
  - ROUTE PIPEING BELOW COUNTER IN GOOD WORKMANLIKE MANNER.
  - VENT RISE IN WALL TO ABOVE CEILING THEN OFF-SET TO VTK.
  - COORDINATE WASTE PIPEING WITH DUCTWORK IN FLOOR.
  - 3" RD-1, WITH 3" OVERFLOW DRAIN.
  - DROP 3" RDL ON COLUMN IN FURRED SPACE FROM HIGH CEILING INTO LOWER CEILING SPACE, COORDINATE WITH CLERESTORIES.
  - DROP 3" RDL IN WALL BETWEEN CLERESTORIES FROM HIGH CEILING TO LOWER CEILING SPACE.
  - DROP 4" RDL DOWN IN WALL FROM ABOVE CEILING TO BELOW GRADE. SEE SITE DRAINAGE & GRADING PLAN FOR CONTINUATION.
  - 3" RD-1, WITH 4" OVERFLOW DRAIN.
  - DROP 3" OFL DOWN IN FURRED SPACE AT SIDE OF CLERESTORIES. EXTEND OFL THRU WALL AT LOWER ROOF AND SPILL AT SPLASH BLOCK. COORDINATE WITH CLERESTORIES.

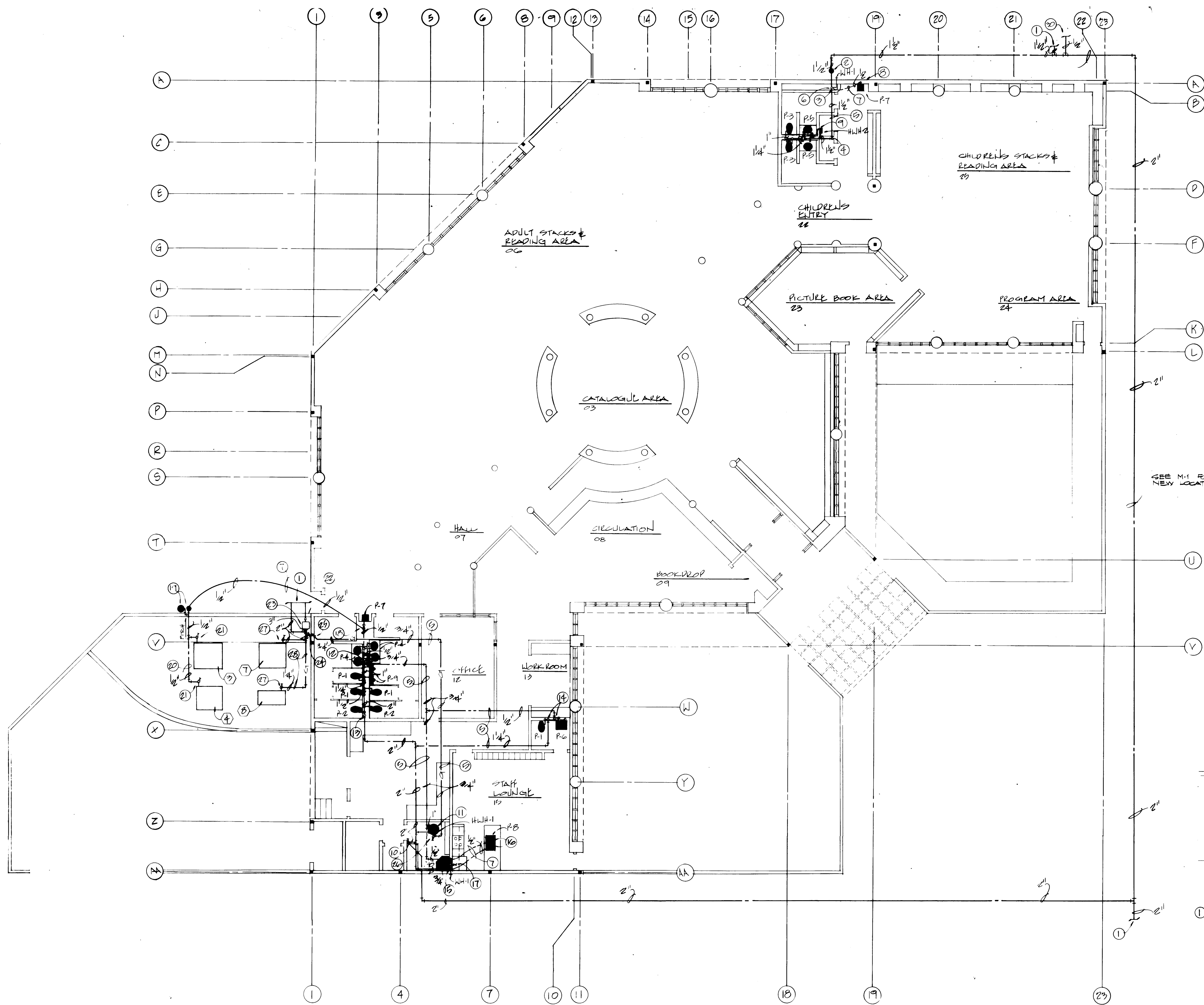
| PLUMBING FIXTURE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYMBOL                    | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                            |
| P-1                       | WATER CLOSET: KOHLER "DOWNING" MODEL NO. K-4262-ETA, SIPHON JET ACTION, ELONGATED BOWL, VITREOUS CHINA, FLOOR MOUNTED, 13" TOP SPUD, SLOAN "ROYAL" 110-FV, OR DELANY "FLUSHBOY" 402-AVB FLUSH VALVE, TWO BOLT CAPS, WHITE HI-IMPACT PLASTIC OPEN FRONT SEAT, EQUAL TO BENEKE, 4" WASTE, 2" VENT AND 1" CW.                                                             |
| P-2                       | WATER CLOSET: KOHLER "HIGHCLIFF" MODEL NO. K-4268-ET, SIPHON JET ACTION, ELONGATED BOWL, VITREOUS CHINA, FLOOR MOUNTED, 13" TOP SPUD, SLOAN "ROYAL" 110-FV, OR DELANY "FLUSHBOY" 402-AVB FLUSH VALVE, TWO BOLT CAPS, WHITE HI-IMPACT PLASTIC OPEN FRONT SEAT, EQUAL TO BENEKE, 4" WASTE, 2" VENT AND 1" CW.                                                            |
| P-3                       | WATER CLOSET: KOHLER "PRIMARY" MODEL NO. K-4318-ET, SIPHON JET ACTION, ELONGATED BOWL, 10" HIGH RIM VITREOUS CHINA, FLOOR MOUNTED, 13" TOP SPUD, SLOAN "ROYAL" 110-FV, OR DELANY "FLUSHBOY" 402-AVB FLUSH VALVE, TWO BOLT CAPS, WHITE OPEN FRONT SEAT, MODEL NO. K-4686-C, 4" WASTE, 2" VENT AND 1" CW.                                                                |
| P-4                       | LAVATORY: KOHLER NO. K-2904 OR APPROVED EQUAL WITH NO. K-9000 P-TRAP (1 1/2" X 13" SIZE), NO. K-7607 SUPPLIES, AND NO. K-6883 TRIM. INSULATE P-TRAP AND HW SUPPLY COMPLETE WITH 1" FIBERGLASS INSULATION WITH ALUMINUM PROTECTIVE COVERING, 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW AND 1/2" HW. SEE ARCHITECTURAL DRAWINGS FOR HEIGHT.                                     |
| P-5                       | LAVATORY: SAME AS P-4 EXCEPT NO INSULATED TRAP AND RISER.                                                                                                                                                                                                                                                                                                              |
| P-6                       | LAVATORY: KOHLER "CHESAPEAKE" MODEL NO. K-1725, 19" X 17", WALL MOUNTED, ACID-RESISTING ENAMELED CAST IRON, K-6883 TRIM WITH POP-UP DRAIN, NO. K-7601 LOOSE-KEY STOP SUPPLIES NO. K-9022 TRAP, 1 1/2" X 13" TRAP, 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW OR APPROVED EQUAL. MOUNTING HEIGHT 31" OR AS SHOWN ON ARCHITECTURAL DRAWINGS WITH FLOOR MOUNTED CARRIER. |
| P-7                       | ELECTRIC WATER COOLER: HWS MODEL HWC-8, WALL MOUNTED, STAINLESS STEEL BASIN, C.P. BUBBLER, 1/5 HP COMPRESSOR, 115-60-18, 7.5 GPM AT 80°F INLET WATER, SERVICE STOP, P-TRAP, 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, COLOR AS SELECTED BY ARCHITECT. PROVIDE APPLICABLE CARRIER. COLOR BY ARCH. VERIFY BEFORE ORDERING.                                                     |
| P-8                       | COUNTER SINK: ELKAY NO. LK-250, 33" X 22", 18 GAGE, 302 STAINLESS STEEL, SOUND DEADENING, SELF-PRIMING, LK-35 STRAINER, LOOK-KEY STOPS, P-TRAP WITH CLEANOUT, 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW, 6 LK-4100 SINGLE LEVER TRIM WITH G.L.E. MODEL G6600 DISPOSER.                                                                                               |
| P-9                       | URINAL: KOHLER "FRESHMAN" MODEL NO. K-4985-T WALL MOUNTED, SLOAN NO. 186 FLUSH VALVE WITH 2" P-TRAP, 2" WASTE, 1 1/2" VENT, 3/4" CW, FLOOR MOUNTED CARRIER, OR APPROVED EQUAL.                                                                                                                                                                                         |
| P-10                      | SERVICE SINK: KOHLER "WHITEBY" MODEL NO. K-6710 ACID RESISTING ENAMEL, K-8940 RIM GUARD, K-8928 FAUCET WITH "VALVET" VALVE UNITS, VACUUM BREAKER, K-9146 STRAINER, VENTED P-TRAP BELOW FLOOR, 3" WASTE, 1 1/2" VENT, 1/2" HW & 1/2" CW.                                                                                                                                |

| MISCELLANEOUS PLUMBING EQUIPMENT SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SYMBOL                                    | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                      |
| FCO                                       | FLOOR CLEANOUT: (INSIDE BUILDING FOR APPLICABLE FINISH) CONCRETE, CER. T., OR Q.T. FLOOR: SMITH FIGURE 4023. TILE (VINYL OF ASB. V.): SMITH FIGURE 4143, RECESS FOR TILE. CARPET: SMITH FIGURE 4023-Y, WITH CARPET MANNER.                                                                                                                                                                                                       |
| COTG                                      | CLEANOUT: (OUTSIDE OR UNFINISHED FLOOR) SMITH FIGURE 4023-Y, WITH VANDAL-PROOF SCREWS. SET TOP FLUSH WITH FINISHED PAVING, SIDEWALK, OR GRADE. SEE DETAIL IN SPEC'S.                                                                                                                                                                                                                                                             |
| WCO                                       | WALL CLEANOUT: SMITH FIGURE 4472 EXTRA HEAVY BRONZE PLUG WITH STAINLESS STEEL FACE WALL COVER.                                                                                                                                                                                                                                                                                                                                   |
| WH-1                                      | WALL HYDRANT: SMITH FIG. NO. 5509 FREEZEPROOF, TO SUIT WALL THICKNESS WHERE LOCATED (VERIFY BEFORE ORDERING), WITH VACUUM BREAKER, UP 2'-6" ABOVE FIN. FLOOR.                                                                                                                                                                                                                                                                    |
| FD-1                                      | FLOOR DRAIN: SMITH FIGURE 2010-A, WITH 5" ROUND ADJUSTABLE P.B. TOP AND VANDAL-PROOF SCREWS. 2" OUTLET, WITH VENTED P-TRAP BELOW FLOOR.                                                                                                                                                                                                                                                                                          |
| WHA-1                                     | WATER HAMMER ARRESTOR: SMITH FIGURE 5040, 1" SIZE.                                                                                                                                                                                                                                                                                                                                                                               |
| HW-1                                      | HOT WATER HEATER: A.O. SMITH NO. PGC-40, NATURAL GAS FIRED, 32,500 BTUH S/L INPUT, ORIFITTED FOR SITE ELEVATION, 40 GALLON STORAGE IN GLASS-LINED TANK, 3" I.D. METAL-RESISTO TYPE "B" VENT THROUGH ROOF TO BRILIANT FLUE CAP, WITH ASME COMBINATION TEMPERATURE AND PRESSURE RELIEF VALVE WITH FULL SIZE TYPE "L" COPPER DRAIN ROUTED TO FLOOR SINK, SET TO DELIVER 105°F WATER, 1" INLET AND OUTLET WITH GATE VALVE AND UNION. |
| HW-2                                      | HOT WATER HEATER: THERMAR MODEL HP0026, G.W., INSTANTANEOUS WITH NO STORAGE, 1/2" INLET WITH GATE VALVE & UNION WITH 1/2" OUTLET WITH UNION INSTALL PER MANUF. REQUIREMENT. FURNISH ALL VALVES. <del>CS-60-04</del>                                                                                                                                                                                                              |
| RD-1                                      | ROOF DRAIN: SMITH FIGURE 1010, CAST-IRON BODY WITH 16" DIA. AND FLASHING COLLAR, BORE, UNDERDECK CLAMP, OR EQUAL.                                                                                                                                                                                                                                                                                                                |

**RECORD DRAWING**

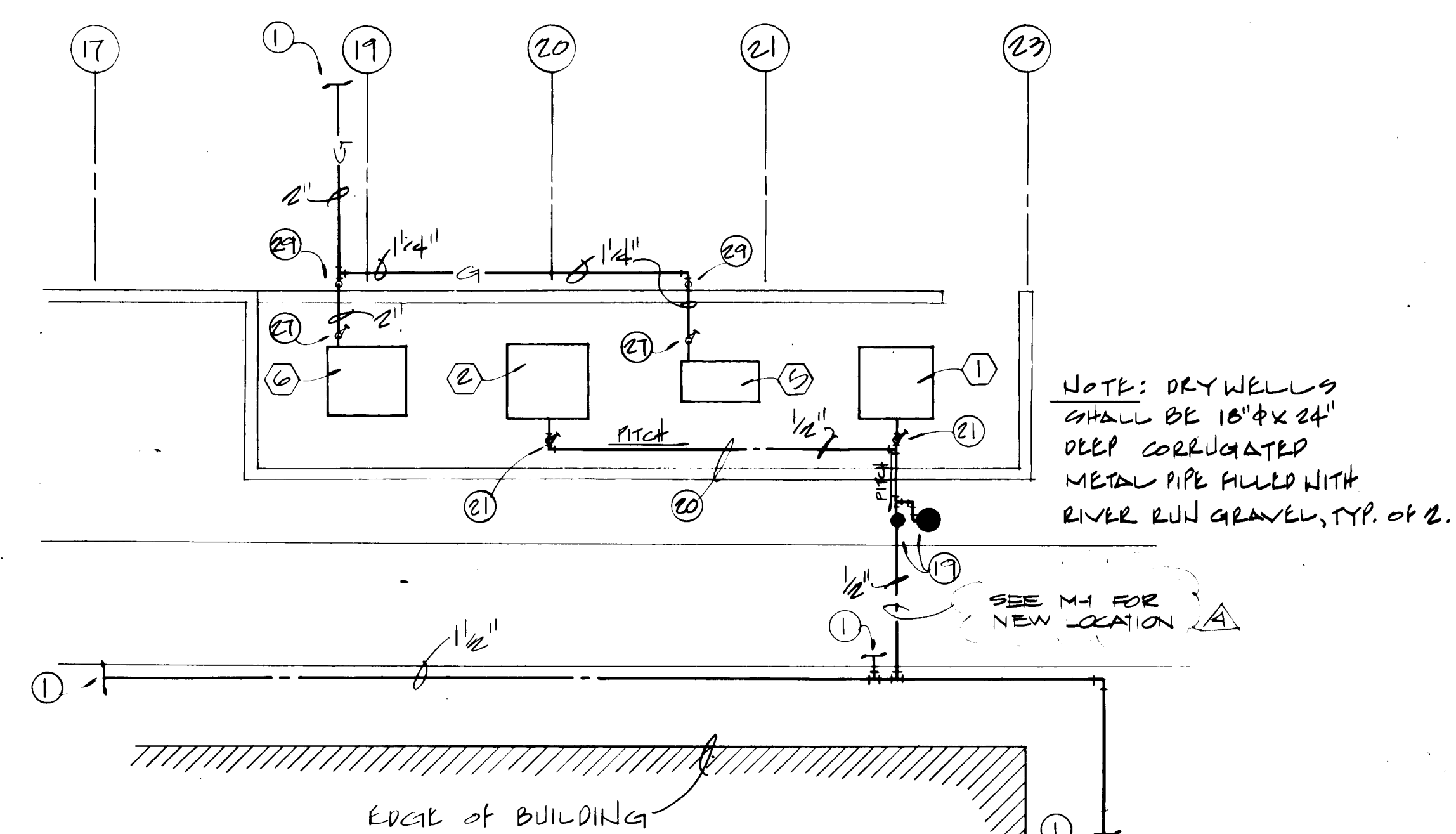
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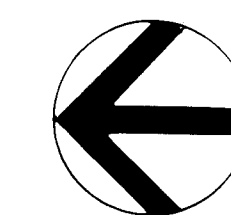


**WATER & GAS PLAN**  
SCALE: 1/8" = 1'-0"

- SPECIFIC NOTES:**
- SEE SITE PLAN FOR CONTINUATION.
  - SERVICE STOP SEE DETAIL IN SPEC'S.
  - 1 1/2" CW RISE IN WALL TO ABOVE CEILING FROM BELOW GRADE, WITH WHA-1 AT TOP OF RISE.
  - 1 1/2" CW DROP IN WALL FROM ABOVE CEILING.
  - ROUTE PIPING ABOVE CEILING, SIZE AS NOTED, COORDINATE WITH LIGHTS AND STRUCTURAL.
  - 1/2" CW DROP TO BELOW SLAB, NO JOINTS.
  - PIPING BELOW SLAB WITH NO JOINTS, PER SPEC'S.
  - 1/2" CW RISE UP ON WALL FROM BELOW SLAB, NO JOINTS.
  - CONNECT 1/2" CW INLET WITH GATE VALVE, UNION & ALL MANUF. RECOMMENDED VALVES TO HW-2 WITH 1/2" HW OUTLET WITH UNION AND ALL VALVES RECOMMENDED BY MANUF.
  - 2" CW RISE ON WALL WITH SHUT-OFF VALVE & WHA-1 AT TOP OF RISE.
  - 1" CW INLET WITH GATE VALVE & UNION AND 1" HW OUTLET WITH GATE VALVE & UNION, WITH FULL SIZE TYPE "L" COPPER DRAIN FROM T. & P. RELIEF VALVE TO FD-1. SEE SOIL, WASTE & VENT PLAN FOR FD-1 LOCATION.
  - DROP 3/4" HW IN PLUMBING WALL FROM ABOVE CEILING.
  - DROP 2" CW IN PLUMBING WALL FROM ABOVE CEILING.
  - DROP 1 1/2" CW & 1/2" HW IN WALL FROM ABOVE CEILING.
  - DROP 3/4" CW & 1/2" HW IN WALL FROM ABOVE CEILING WITH 1/2" CW & 1/2" HW DROP TO BELOW SLAB, NO JOINTS.
  - 1/2" CW & 1/2" HW RISE UP BELOW COUNTER, NO JOINT.
  - ROUGH-IN & CONNECT 3/8" CW TO REF. ICE MAKER (SUPPLIED BY OTHERS) WITH SHUT-OFF VALVE.
  - DROP 1/2" CW AIR WASHER SUPPLY IN WALL TO BELOW SLAB, WITH NO JOINTS.
  - AIR WASHER WINTER DRAIN, WITH SERVICE STOP, DRY WELL & DRAIN VALVE. PITCH AIR WASHER SUPPLY TO SERVICE STOP & DRAIN VALVE, AND DRAIN INTO DRY WELL. DRAIN TO BB LAWN SPRINKLER DRAIN/CHECK VALVE.
  - AIR WASHER SUPPLY PIPING BELOW GRADE. PITCH PIPING BACK TO WINTER DRAIN.
  - 1/2" CW AIR WASHER SUPPLY RISE UP FROM BELOW GRADE AND CONNECT TO AIR WASHER WITH SHUT-OFF VALVE, UNION AND HOSE BIBB ADJACENT TO ONE UNIT PER GROUP.
  - GAS RISE UP TO GAS METER SIZED BY GAS CO. FOR TOTAL CFH CONNECTED LOAD. COORDINATE AND CONFORM TO ALL GAS CO. REQUIREMENTS.
  - GAS METER & REGULATOR LOOP SIZE FOR 1183 TOTAL CFH CONN. LOAD. COORDINATE & CONFORM TO ALL GAS CO. REQUIREMENTS.
  - DROP 2" GAS TO BELOW GRADE CONFORM TO ALL CODES & GAS COMPANY REQUIREMENTS.
  - 3/4" GAS RISE UP IN WALL TO ABOVE CEILING.
  - 3/4" GAS DROP FROM ABOVE CEILING AND CONNECT TO HW-1 WITH GAS COCK, UNION, DIRT LEG AND FLEX. CONN.
  - CONNECT GAS TO FURNACE WITH GAS COCK, UNION, DIRT LEG & FLEX. CONN., SIZE AS NOTED.
  - ROUTE PIPING ON SLAB, STRAPPED TO 4" X 4" REDWOOD BLOCKS APPROX. 5'-0" APART.
  - GAS RISE UP FROM BELOW GRADE & EXTEND THRU WALL TO FURNACE, SEE NOTE (27).
  - SEE PARTIAL PLAN BELOW.



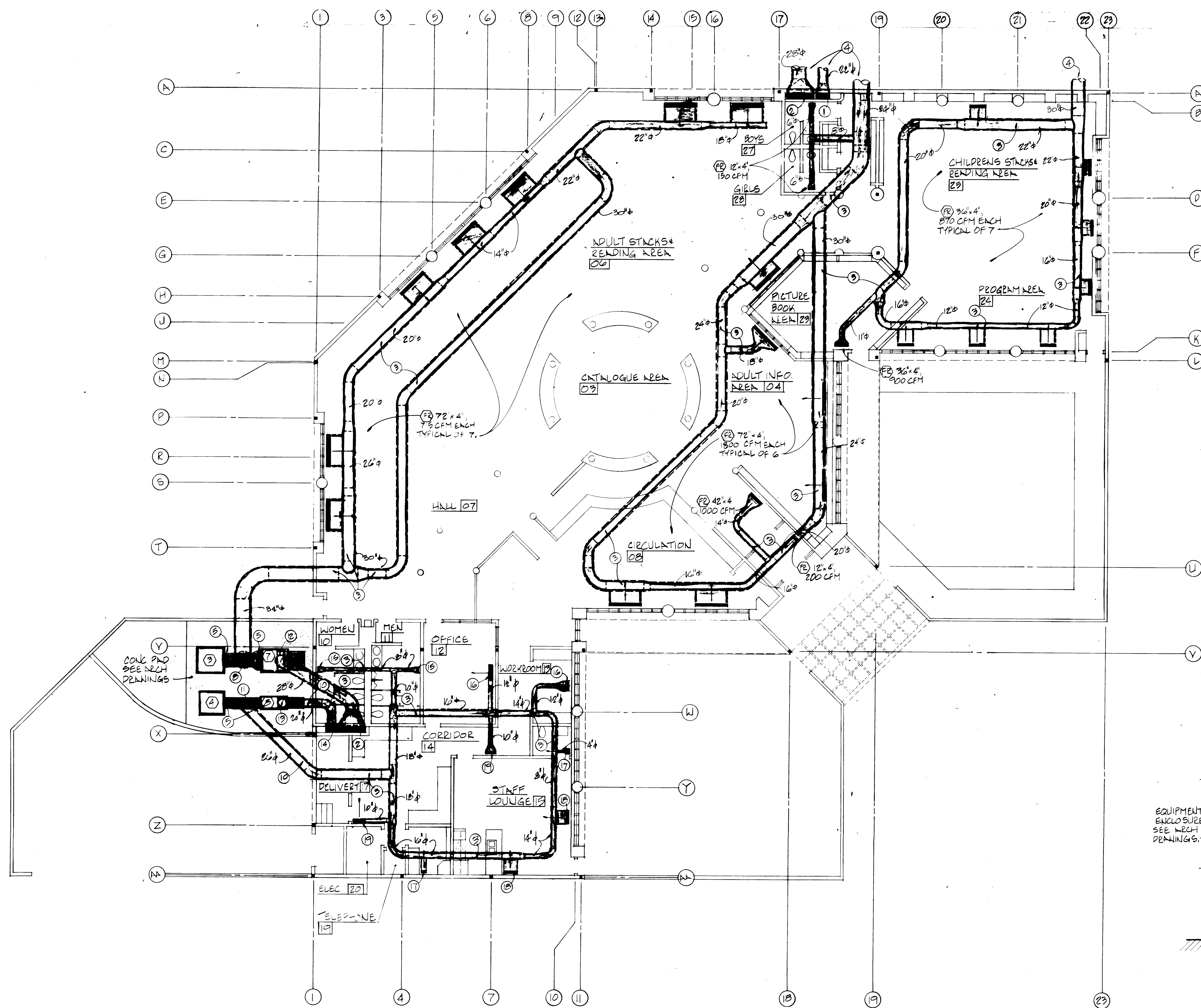
**PARTIAL PLUMBING PLAN**  
SCALE: 1/8" = 1'-0"



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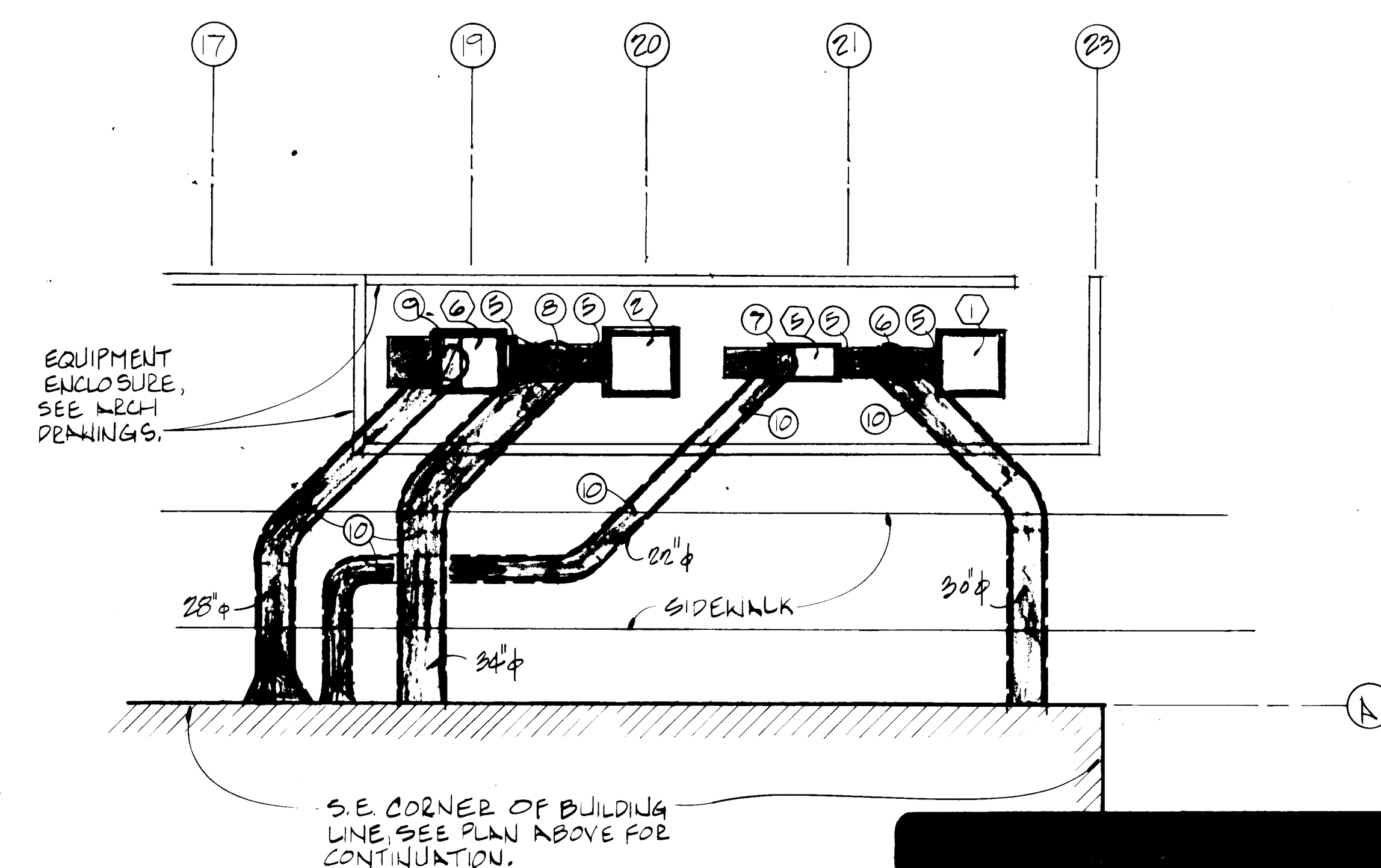
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MECHANICAL PLAN - UNDER FLOOR DUCT WORK  
SCALE: 1/8" = 1'-0"

- SPECIFIC NOTES:
- 32" X 14" WITH 1" A.L. FROM ABOVE CEILING, DOWN IN CHASE TO BELOW SLAB, ELBOW & TRANSITION TO 22" DUCT.
  - 54" X 14" WITH 1" A.L. FROM ABOVE CEILING, DOWN IN CHASE TO BELOW SLAB, ELBOW & TRANSITION TO 28" DUCT.
  - DASHED LINES INDICATE UNDERFLOOR DUCTWORK. SEE DETAIL IN SPEC. **UNDERGROUND DUCTS MOVED CLOSER TO WALL - TOP 4" FROM DUCT TO SUPPLY OUTLET.**
  - SEE PARTIAL MECHANICAL EQUIPMENT PLAN THIS SHEET FOR CONTINUATION.
  - DISCHARGE DAMPERS AT OUTLET OF EACH PIECE OF EQUIPMENT.
  - TRANSITION FROM EACH UNIT OUTLET (FULL SIZE) TO 28" X 28" DUCT. 28" X 28" DUCT DOWN BELOW SLAB & TRANSITION TO 30" DUCT.
  - TRANSITION FROM (7) INLET TO 22" DUCT DOWN BELOW SLAB.
  - SAME AS (5) EXCEPT 32" X 32" DUCT TRANSITION TO 34" DUCT.
  - TRANSITION FROM (6) INLET TO 28" DUCT DOWN BELOW SLAB.
  - DASHED LINES INDICATE DUCTWORK BELOW FINISHED GRADE. SEE DETAIL IN SPEC.
  - SAME AS (5) EXCEPT 24" X 24" DUCT TRANSITION TO 26" DUCT.
  - TRANSITION FROM (7) INLET TO 28" DUCT DOWN BELOW SLAB.
  - TRANSITION FROM (8) INLET TO 20" DUCT DOWN BELOW SLAB.
  - 26" X 14" WITH 1" A.L. FROM ABOVE CEILING, DOWN IN CHASE TO BELOW SLAB, ELBOW & TRANSITION TO 20" DUCT.
  - FR 12" X 4", 300 CFM.
  - FR 30" X 4", 700 CFM.
  - FR 12" X 4", 75 CFM.
  - FR 30" X 4", 725 CFM.
  - FR 24" X 4", 606 CFM.

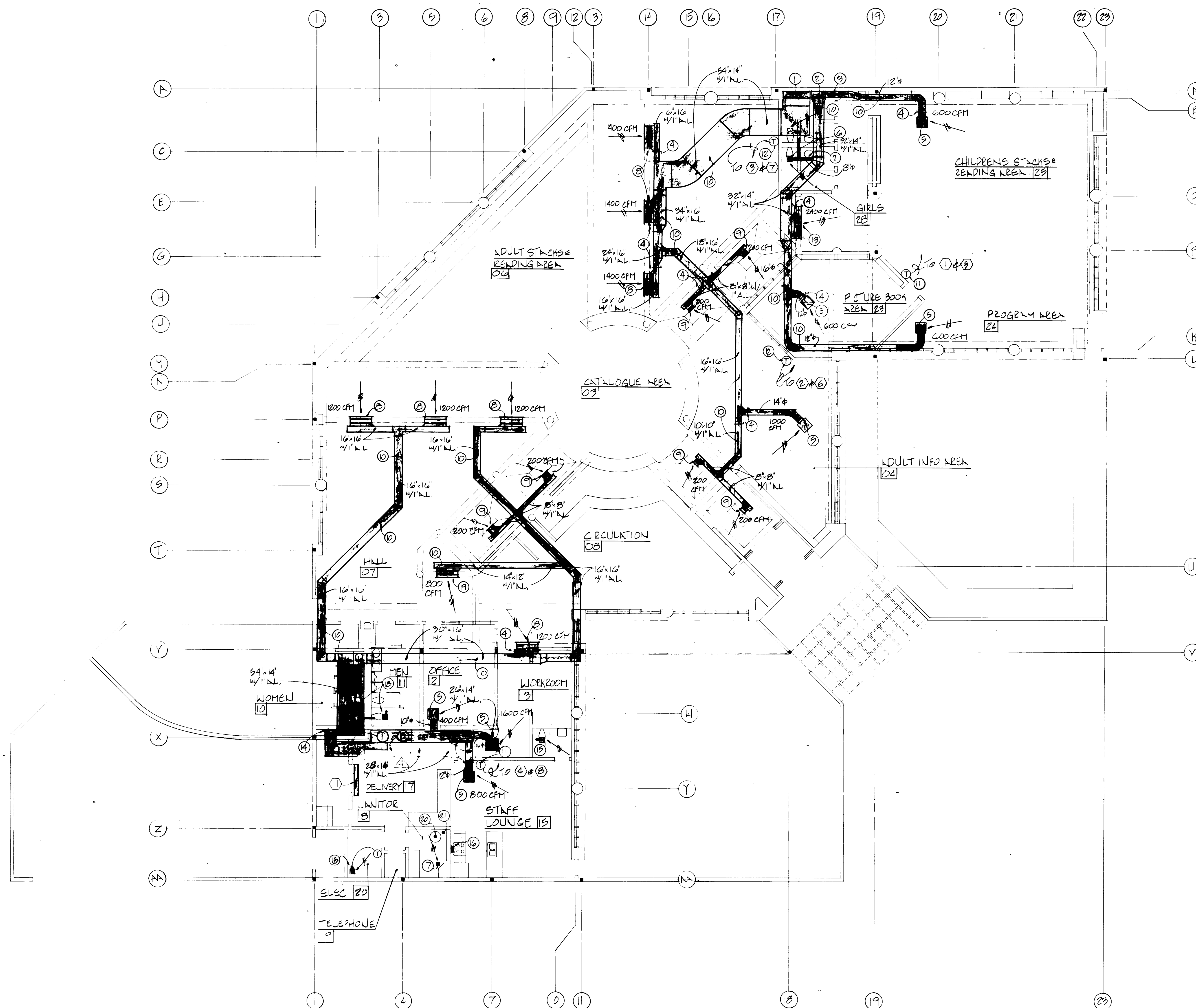


PARTIAL MECHANICAL EQUIPMENT PLAN  
SCALE: 1/8" = 1'-0"

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**SPECIFIC NOTES:**

- 1 54" X 14" WITH 1" A.L. DOWN IN CHASE TO BELOW SLAB.
- 2 32" X 14" WITH 1" A.L. DOWN IN CHASE TO BELOW SLAB.
- 3 12" DROP DOWN IN CHASE & CONNECT TO 32" X 14" DUCT BELOW ELBOW.
- 4 VOLUME DAMPER, TYPICAL, SEE SPEC.
- 5 24" X 24" SET FOR CFM NOTED.
- 6 EXHAUST FAN WITH 4" DISCHARGE DUCT.
- 7 8" DUCT UP THRU ROOF TO SCREENED ROOFCAP.
- 8 48" X 8" SET FOR CFM NOTED. LOCATE UP AS HIGH AS POSSIBLE IN SKYLITE.
- 9 SAME AS 8 EXCEPT 12" X 4".
- 10 DUCTS RUN ABOVE CEILING. COORDINATE EXACT ROUTING WITH LIGHTS, STRUCTURAL, CONDUIT & PIPING.
- 11 (1) STAGE HEATING, & (2) STAGE COOLING 1" STAT. WITH CLEAR PLASTIC LOCKING GUARD MOUNTED 5'-6" A.F.F.
- 12 (2) STAGE HEATING, & (2) STAGE COOLING 1" STAT. WITH CLEAR PLASTIC LOCKING GUARD MOUNTED 5'-6" A.F.F.
- 13 SAME AS 8 EXCEPT 72" X 8".
- 14 26" X 14" WITH 1" A.L. DOWN IN CHASE TO BELOW SLAB.
- 15 EXHAUST FAN WITH 4" DUCT UP THRU ROOF TO SCREENED ROOFCAP.
- 16 10" X 31" DUCT FROM RANGE HOOD & 10" X 31" DUCT (IF REQUIRED) FROM MICRO-WAVE OVEN SPACE. RISE UP THRU ROOF TO SCREENED ROOFCAP.
- 17 6" X 6" WITH 6" DUCT UP THRU ROOF TO SIZE 6 TORBINE VENT.
- 18 EXHAUST FAN WITH 7" DUCT UP THRU ROOF TO SCREENED ROOFCAP.
- 19 SAME AS 8 EXCEPT 36" X 8".
- 20 3" TYPE "B" FLUE UP THRU ROOF TO FLUE CAP WITH 6" LOCAL VENT OPEN INTO MECHANICAL ROOM.
- 21 4" COMBUSTION AIR DUCT DOWN FROM SCREENED ROOFCAP. TERMINATE 12" A.F.F.

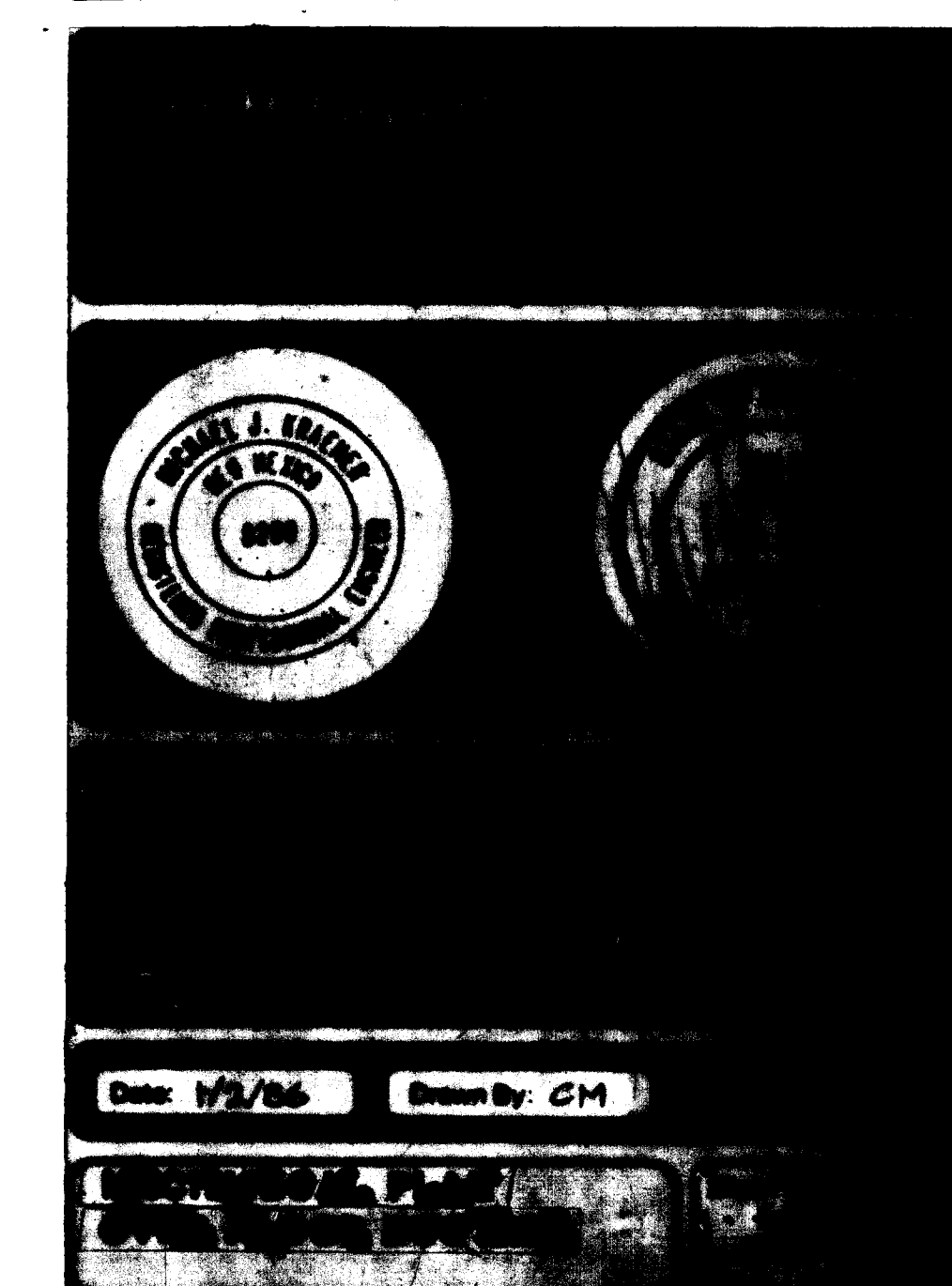
**MECHANICAL PLAN - ABOVE FLOOR DUCT WORK**

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



**RECORD DRAWING**

REV - AS BUILT



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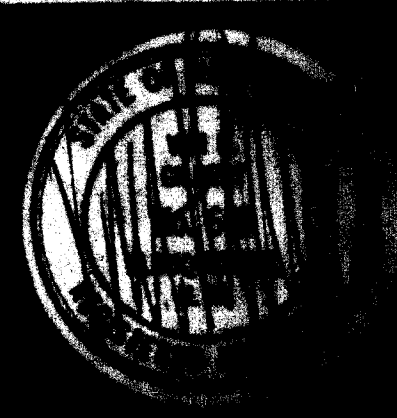
KEYED NOTES

- 1 TYPE "Y" FIXTURE, SEE MOUNTING DETAIL THIS SHEET. A-T-1 4
- 2 EXISTING STREET LIGHT LUMINAIRES ON WOOD POLES, COORDINATE REMOVAL OF LUMINAIRES WITH PUBLIC SERVICE CO. OF NEW MEXICO AND CITY OF ALBUQUERQUE.
- 3 EXISTING AERIAL SERVICE TO BE REMOVED ALONG WITH LUMINAIRES.
- 4 COORDINATE REMOVAL OF EXISTING AERIAL SERVICE FROM NEXT POLE IN-LINE TOWARDS THE WEST.
- 5 EXISTING AERIAL PRIMARY SERVICE.
- 6 EXISTING STEEL POLE IN PRIMARY AERIAL SERVICE WITH BANK OF CAPACITORS.
- 7 COORDINATE INSTALLATION OF NEW STEEL POLE IN PRIMARY AERIAL SERVICE LINE WITH PUBLIC SERVICE CO. OF NEW MEXICO. EXTEND 4" CONDUIT FROM TRANSFORMER TO POLE AND TERMINATE AS DIRECTED BY PUBLIC SERVICE CO. OF NEW MEXICO.
- 8 UNDERGROUND PRIMARY CONDUIT FROM PAD MOUNT TRANSFORMER TO POLE.
- 9 SEE POWER RISER DIAGRAM FOR DETAILS.
- 10 PAD MOUNT TRANSFORMER LOCATION.
- 11 UNDERGROUND SECONDARY ELECTRICAL SERVICE.
- 12 LOCATION OF C.T. AND METERING ENCLOSURES.
- 13 3" CONDUIT UNDERGROUND FROM TELEPHONE BACKBOARD TO PROPERTY LINE. CAP CONDUIT AT PROPERTY LINE AT LOCATION AS DIRECTED BY MOUNTAIN BELL TELEPHONE CO.
- 14 EXTEND TO BRANCH CIRCUIT(S) INDICATED THRU EXTERIOR LIGHTING CONTROL CENTER.
- 15 FURNISH WEATHERPROOF JUNCTION BOX AT FINISH GRADE AND EXTEND 1" CONDUIT WITH PULL WIRE TO PANEL "LA".
- 16 INSTALL TYPE "AC" FIXTURE AT LOCATION(S) INDICATED IN DETAIL 8/SHEET C1. AIM FIXTURES AS DIRECTED BY ENGINEER. BASE BID

RECORD DRAWING

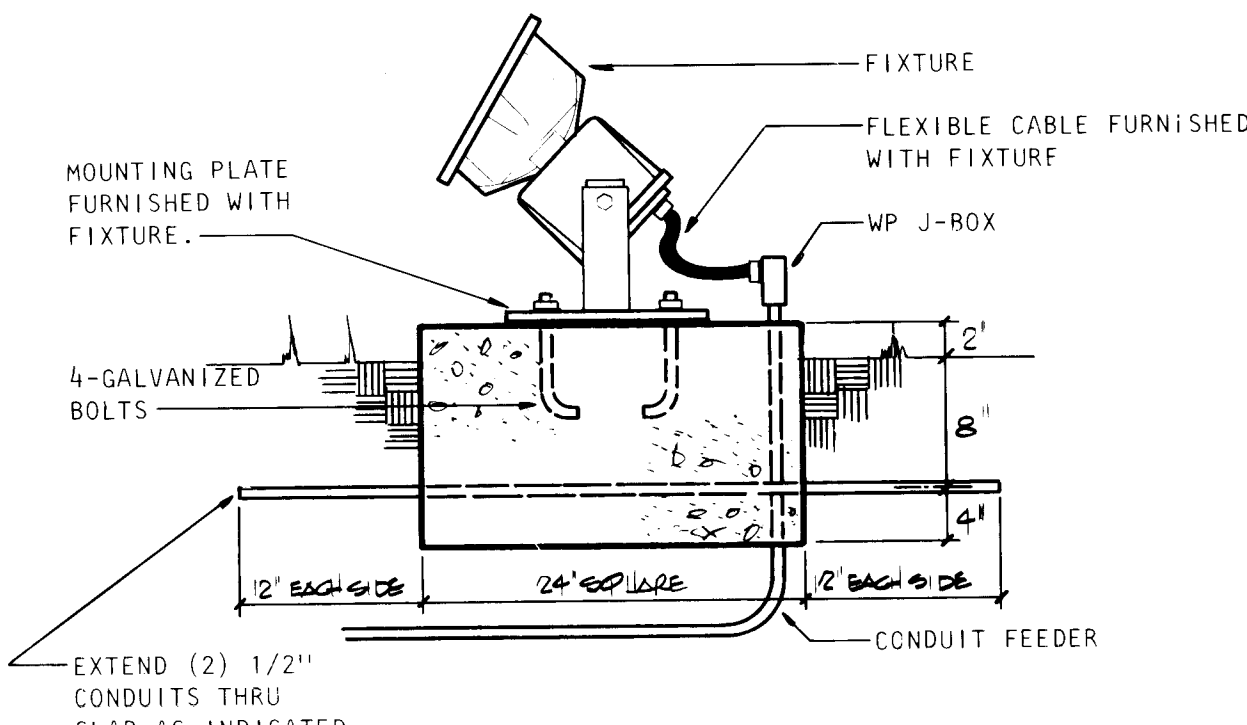
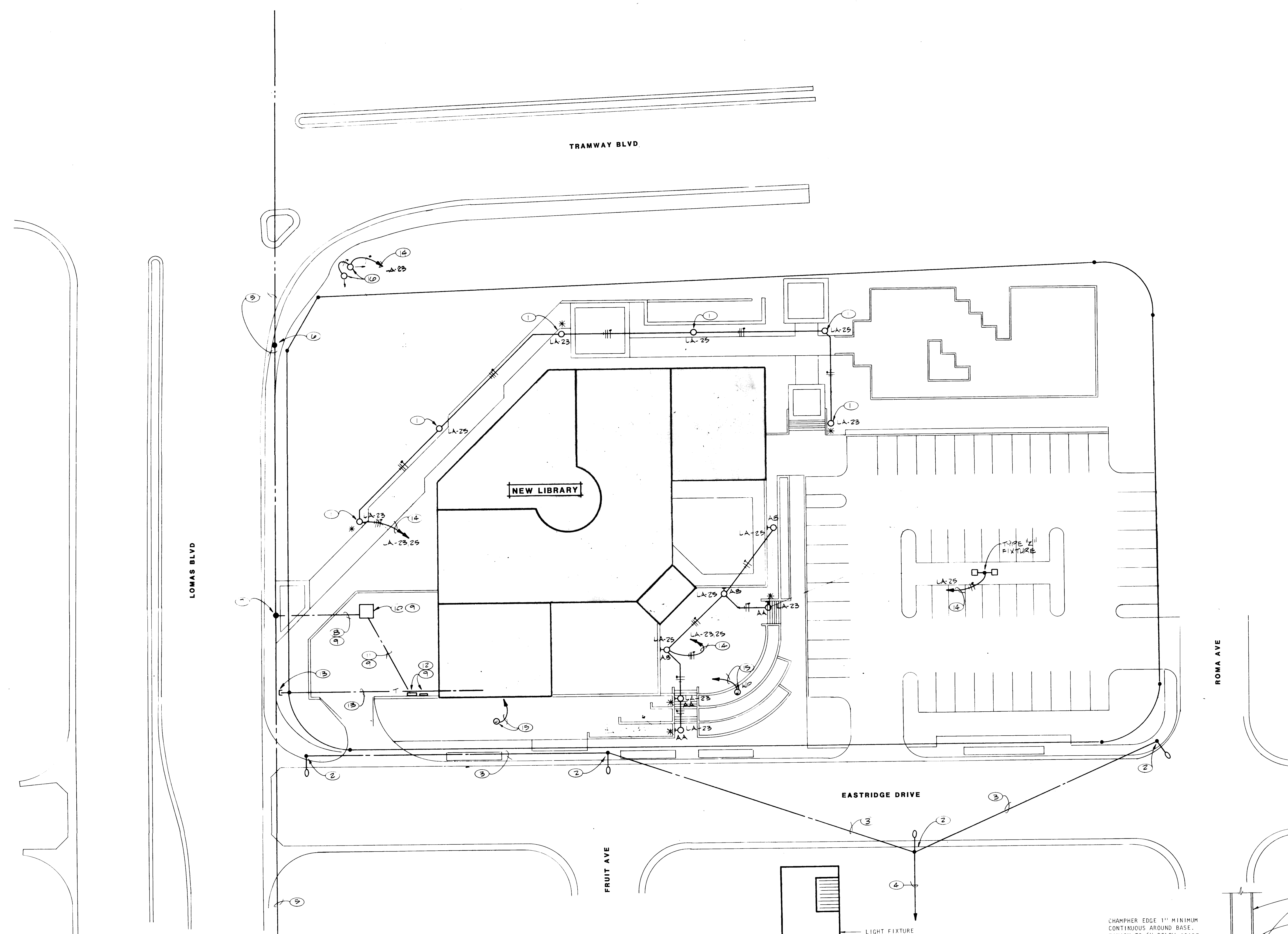
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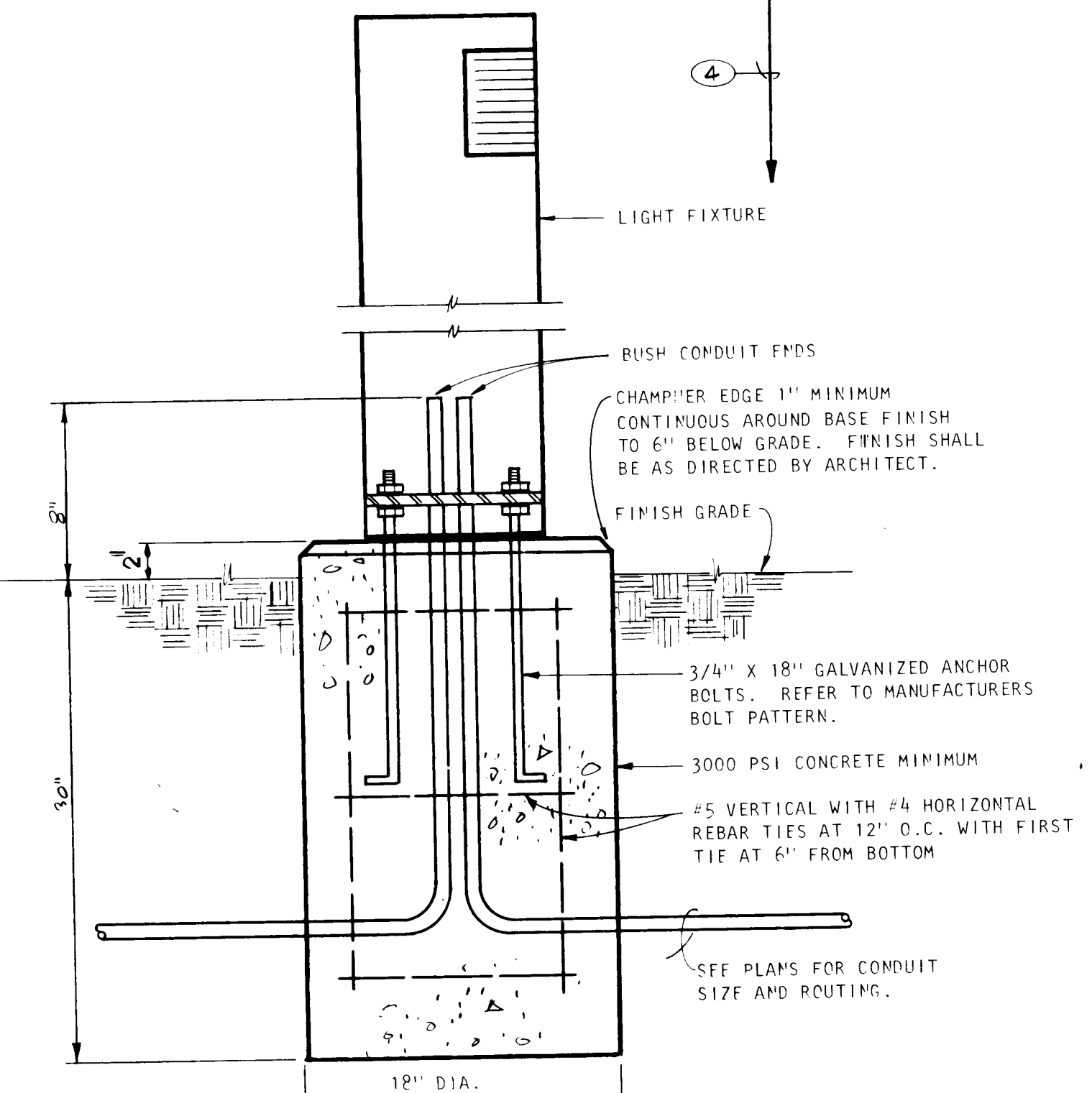


Date: 10/15/86 Drawn By: J. Smith

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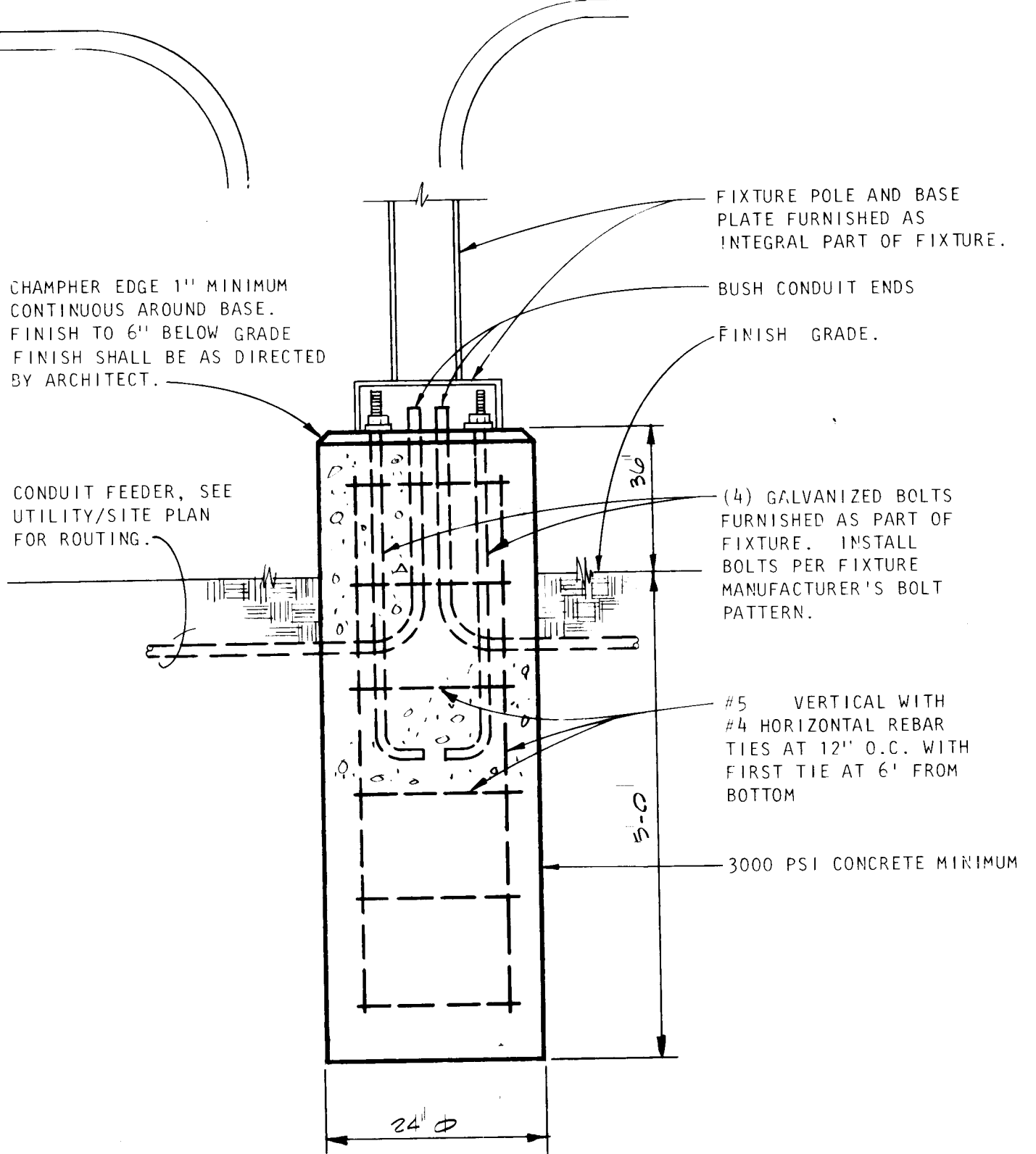


TYPE "AC"



TYPE "Y"

FIXTURE MOUNTING DETAILS

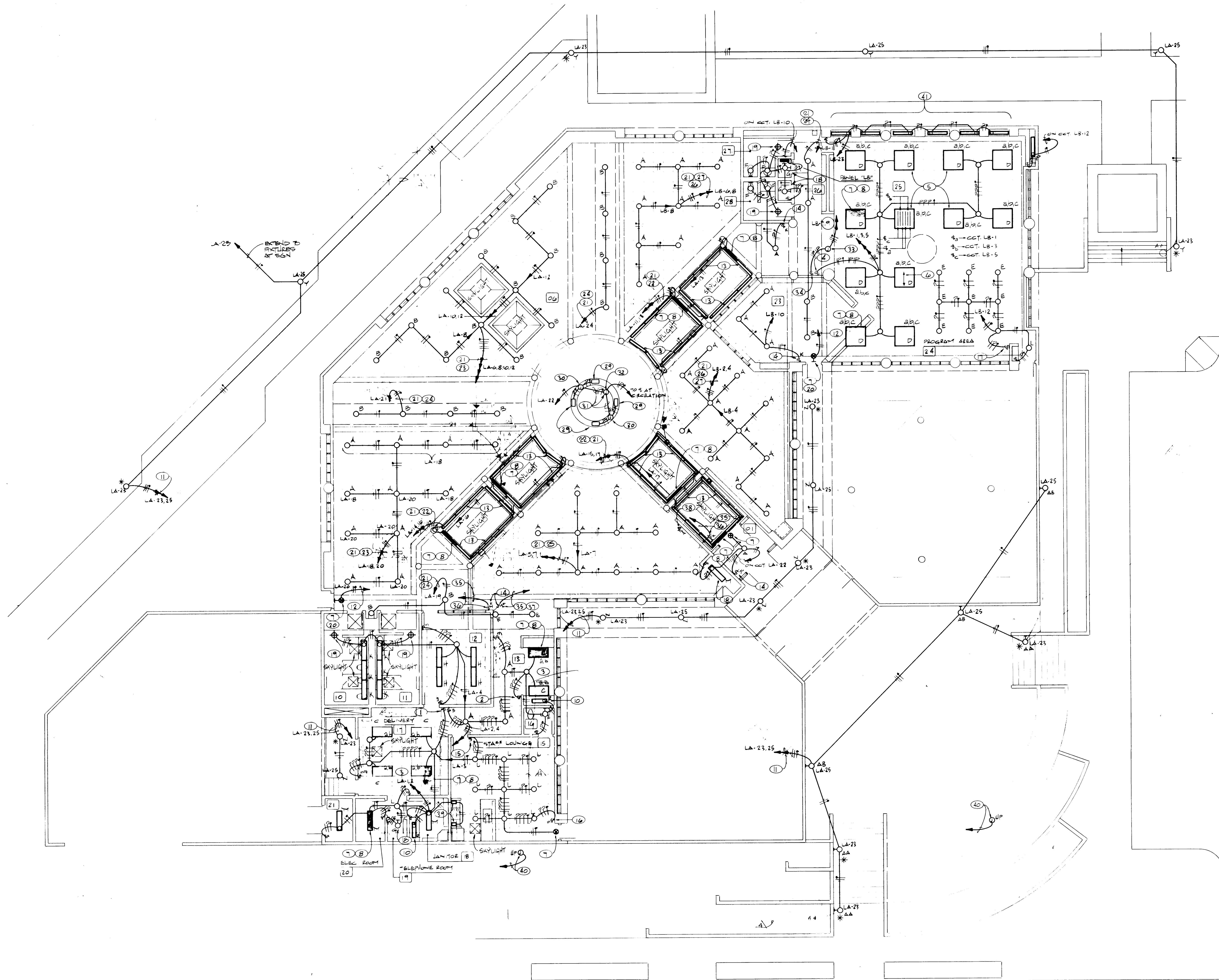


TYPE "Z"

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SCALE: 1"=20'-0"

ELECTRICAL UTILITIES PLAN



NOTE: FIXTURES INDICATED  $\odot$  ARE ILLUMINATED DURING "DUSK-ON/DOWN-OFF". CONTROL IN EXTERIOR LIGHTING CONTROL CENTER.

# KEYED NOTES

- 1 TWO SWITCHES,  $S_3$  &  $S_4$ .
- 2 TWO SWITCHES,  $S_8$  &  $S_9$ .
- 3  $S_8$  SHALL CONTROL CENTER LAMP IN EACH FIXTURE WITH  $S_9$  CONTROLLING REMAINING 2 LAMPS.
- 4 THREE SWITCHES,  $S_3$ ,  $S_4$  &  $S_5$ .
- 5  $S_5$  SHALL CONTROL CENTER 2 LAMPS,  $S_3$  SHALL CONTROL 2 LAMPS AT SIDES OF EACH FIXTURE AND  $S_4$  CONTROLLING REMAINING 2 LAMPS (NO EXCEPTIONS TO THIS CONTROL).
- 6 INDICATES DIRECTION OF LAMPS IN FIXTURE. ALL TYPE "D" FIXTURES SHALL BE INSTALLED WITH LAMPS IN THIS DIRECTION.
- 7 FIXTURE INDICATED CONTAINS AN EMERGENCY STAND-BY BATTERY AND PROVIDES ILLUMINATION DURING NORMAL POWER FAILURE.
- 8 ALL LAMPS IN FIXTURE INDICATED SHALL BE CONNECTED TO NORMAL SUPPLY/CONTROL WITH ONE LAMP (CENTER LAMP IN 3 LAMP FIXTURE) ALSO BEING CONNECTED THRU AN EMERGENCY BATTERY SUPPLY. THE EMERGENCY BATTERY SHALL BE RADIANT #50C77 COMPLETE WITH INDICATOR LIGHT AND TEST SWITCH. BATTERY SUPPLY UNIT ALONG WITH TEST SWITCH AND INDICATOR LIGHT SHALL BE INSTALLED WITHIN FIXTURE PER EMERGENCY BATTERY MANUFACTURERS INSTALLATION DRAWINGS AND CONNECTED FOR A/C SWITCHED CIRCUIT/CONTROL.
- 9 NOTE DELETED.
- 10 INSTALL FIXTURE(S) INDICATED ON BOTTOM OF UPPER CABINET. CONDUIT SYSTEM SHALL BE RUN CONCEALED.
- 11 EXTEND TO BRANCH CIRCUIT(S) INDICATED THRU EXTERIOR LIGHTING CONTROL.
- 12 EXTEND TO CONTINUALLY HOT 120 VOLT CIRCUIT AND CONNECT.
- 13 INSTALL TYPE "P" FIXTURES IN ARCHITECTURAL COVER PER DETAIL 4 ON SHEET A-4.
- 14 SWITCH SHALL BE KEYED TYPE, PASS AND SEYMOUR #204C1-KL/92001-KL (SINGLE POLE) AND #21AC3-KL/93001-KL (THREWAY) WITH ALL SWITCHES BEING KEYED THE SAME.
- 15 SWITCH INDICATED SHALL BE A LUTRON #N-1500L/MULTI-LOCATION DIMMER.
- 16 SWITCH INDICATED SHALL BE A LUTRON #N-SHL/MULTI-LOCATION "ON-OFF" SWITCH.
- 17 SWITCH INDICATED SHALL BE A LUTRON #N-1500 LINEAR SLIDE DIMMER.
- 18 INSTALL FIXTURE INDICATED CENTERED ON WALL BETWEEN TOP OF DOOR AND CEILING.
- 19 INFRARED SENSOR FLUSH MOUNTED IN CEILING FOR CONTROL OF LIGHTING. SENSOR IS MANUFACTURED BY UNITED TECHNOLOGIES, MODEL L "INFRACON". INSTALL AS DIRECTED BY MANUFACTURERS INSTALLATION DRAWINGS.
- 20 INSTALL FIXTURE INDICATED FLUSH MOUNTED IN WALL UP 8'-0" TO BOTTOM OF FIXTURE. EXTEND TO BRANCH CIRCUIT(S) INDICATED THRU RESPECTIVE RELAY IN RELAY PANEL INSTALLED ALONGSIDE PANEL "LA". RELAYS SHALL BE ELECTRICALLY OPERATED/MECHANICALLY HELD AND SUITABLE FOR MOMENTARY CONTACT SWITCH CONTROL (SIMILAR TO SQUARE "D" LL SERIES).
- 21 EXTEND THRU 6 POLE RELAY WHICH WILL CONTROL CIRCUITS LA-11, 13 THRU 17.
- 22 EXTEND THRU 6 POLE RELAY WHICH WILL CONTROL CIRCUITS LA-6, 8, 10, 12, 18 AND 20.
- 23 EXTEND THRU 4 POLE RELAY WHICH WILL CONTROL CIRCUITS LA-19, 21 AND 24/LB-11.
- 24 EXTEND THRU 2 POLE RELAY WHICH WILL CONTROL CIRCUITS LA-5, AND LA-7.
- 25 RELAY(S) SHALL BE INSTALLED IN BOTTOM SKIRTED AREA OF PANEL "LB".
- 26 EXTEND THRU 4 POLE RELAY WHICH WILL CONTROL CIRCUITS LB-2, 4, 6, 8.
- 27 NOTE DELETED.
- 28 INSTALL TYPE "T" FIXTURES IN TOP OF KIOSK. SEE DETAIL 9 ON SHEET A-11. FIXTURES SHALL BE AIMED IN FIELD AS DIRECTED BY ENGINEER.
- 29 INSTALL JUNCTION BOX CONCEALED IN TOP OF KIOSK AT "READILY ACCESSIBLE" LOCATION.
- 30 EXTEND BRANCH CIRCUIT CONCEALED IN KIOSK IN CONDUIT.
- 31 INSTALL JUNCTION BOX IN KIOSK AT ACCESS DOOR IN BOTTOM OF KIOSK. SEE ARCHITECTURAL DETAILS ON SHEET A-11 FOR LOCATION OF ACCESS DOOR.
- 32 INSTALL JUNCTION BOX FLUSH IN CEILING AT TOP OF ARCH STRUCTURE AND CONNECT NEON LIGHTING TRANSFORMER. SEE DETAILS F AND G ON SHEET A-6.
- 33 INSTALL DPDT FLUSH MOUNTED SWITCH FOR CONTROL OF NEON LIGHTING.
- 34 KEYED MOMENTARY CONTACT SWITCH SIMILAR TO KEYED SWITCHES CALLED FOR IN NOTE 16 AND KEYED THE SAME.
- 35 SWITCH SHALL CONTROL CIRCUITS LA-11, 13 THRU 17. EXTEND CONTROL CONDUCTORS TO RESPECTIVE 6 POLE RELAY AND CONNECT.
- 36 SWITCH SHALL CONTROL CIRCUITS LA-5, AND LA-7. EXTEND CONTROL CONDUCTORS TO RESPECTIVE 2 POLE RELAY.
- 37 GROUPING OF ONE SINGLE POLE WALL SWITCH AND 5 MOMENTARY CONTACT SWITCHES FOR CONTROL OF THE FOLLOWING RELAYS AND RESPECTIVE CIRCUITS.
 

| RELAY  | CIRCUITS                   |
|--------|----------------------------|
| 6 POLE | LA-11, 13 THRU 17          |
| 6 POLE | LA-6, 8, 10, 12, 18 AND 20 |
| 4 POLE | LA-19, 21 AND 24/LB-11     |
| 2 POLE | LA-5, 7                    |
| 4 POLE | LB-2, 4, 6 AND 8           |
- 38 SINGLE WALL SWITCH SHALL CONTROL TYPE "T" FIXTURES IN KIOSK.
- 39 INSTALL TYPE "U" FIXTURES AT BOTTOM OF UPPER CABINET. SEE ARCHITECTURAL DETAIL.
- 40 INSTALL WEATHERPROOF JUNCTION BOX AT FINISH GRADE AND EXTEND 1" CONDUIT WITH PULL WIRE TO PANEL "LA".
- 41 INSTALL TYPE "R" FIXTURE(S) IN RECESS AT APPROXIMATELY 4'-6" ABOVE FINISH FLOOR AS INDICATED IN DETAIL 2 ON SHEET A-4.
- 42 ALL LIGHTING IN ADULT AREAS HERE ARE 120 VOLT

## RECORD DRAWING

REV. AS BUILT

Van H Gilbert Architect A/E

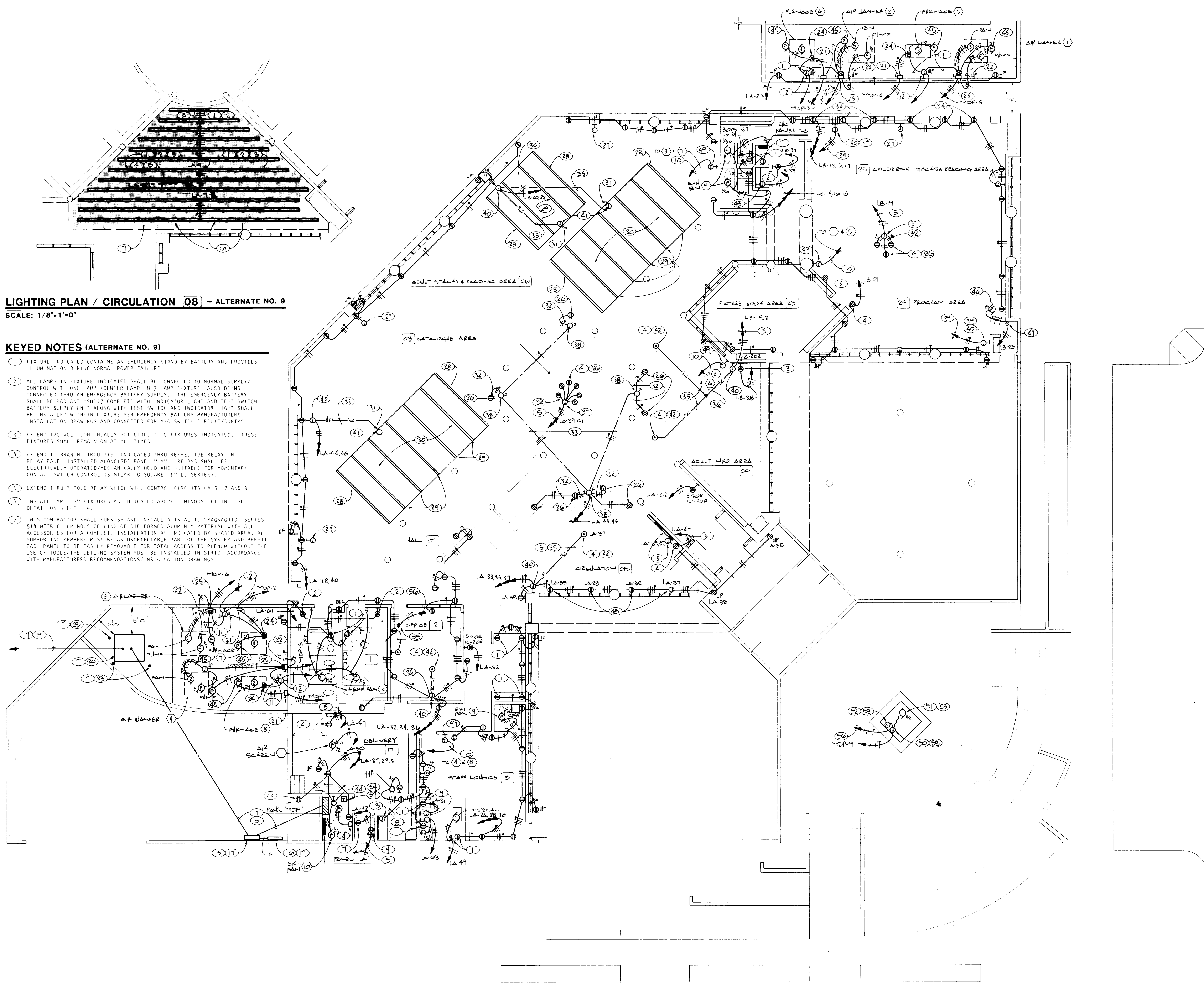


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LIGHTING PLAN

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

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**LIGHTING PLAN / CIRCULATION 08 - ALTERNATE NO. 9**  
SCALE: 1/8"=1'-0"

**KEYED NOTES (ALTERNATE NO. 9)**

1. FIXTURE INDICATED CONTAINS AN EMERGENCY STAND-BY BATTERY AND PROVIDES ILLUMINATION DURING NORMAL POWER FAILURE.
2. ALL LAMPS IN FIXTURE INDICATED SHALL BE CONNECTED TO NORMAL SUPPLY/CONTROL WITH ONE LAMP (CENTER LAMP IN 3 LAMP FIXTURE) ALSO BEING CONNECTED THRU AN EMERGENCY BATTERY SUPPLY. THE EMERGENCY BATTERY SHALL BE RADIAN "SMET7" COMPLETE WITH INDICATOR LIGHT AND TEST SWITCH. BATTERY SUPPLY UNIT ALONG WITH TEST SWITCH AND INDICATOR LIGHT SHALL BE INSTALLED WITH-IN FIXTURE PER EMERGENCY BATTERY MANUFACTURERS INSTALLATION DRAWINGS AND CONNECTED FOR A/C SWITCH CIRCUIT/CONTROL.
3. EXTEND 120 VOLT CONTINUALLY HOT CIRCUIT TO FIXTURES INDICATED. THESE FIXTURES SHALL REMAIN ON AT ALL TIMES.
4. EXTEND TO BRANCH CIRCUIT(S) INDICATED THRU RESPECTIVE RELAY IN RELAY PANEL INSTALLED ALONGSIDE PANEL "LA". RELAYS SHALL BE ELECTRICALLY OPERATED/MECHANICALLY HELD AND SUITABLE FOR MOMENTARY CONTACT SWITCH CONTROL (SIMILAR TO SQUARE "D" LL SERIES).
5. EXTEND THRU 3 POLE RELAY WHICH WILL CONTROL CIRCUITS LA-5, 7 AND 9.
6. INSTALL TYPE "5" FIXTURES AS INDICATED ABOVE LUMINOUS CEILING. SEE DETAIL ON SHEET E-4.
7. THIS CONTRACTOR SHALL FURNISH AND INSTALL A INTALITE "MAGNAGRID" SERIES 5/8 METRIC LUMINOUS CEILING OF DYE FORMED ALUMINUM MATERIAL WITH ALL ACCESSORIES FOR A COMPLETE INSTALLATION AS INDICATED BY SHADED AREA. ALL SUPPORTING MEMBERS MUST BE AN UNDETECTABLE PART OF THE SYSTEM AND PERMIT EACH PANEL TO BE EASILY REMOVABLE FOR TOTAL ACCESS TO PLENUM WITHOUT THE USE OF TOOLS. THE CEILING SYSTEM MUST BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS/INSTALLATION DRAWINGS.

**KEYED NOTES (CONTINUED)**

19. CONTROL DEVICES FOR RESPECTIVE HIRE EQUIPMENT. DEVICES WILL BE FURNISHED AS PART OF HVAC PACKAGE AND MAY BE A SELF CONTAINED T-STAT WITH "HEAT/COOL", FAN SUB-BASE, TIME CLOCK SHUT DOWN OR T-STAT FOR HEATING AND "ON-OFF"/"HI-LOW" SWITCHES FOR AIR WASHER (COOLING). FURNISH "HEAT/OFF/COOL" SELECTOR SWITCH IF T-STAT/ SWITCHES ARE INSTALLED.
20. SUBMERSIBLE JUNCTION BOX FURNISHED AS PART OF FOUNTAIN EQUIPMENT.
21. SUBMERSIBLE PUMP FURNISHED AS PART OF FOUNTAIN EQUIPMENT.
22. WATER LEVEL CONTROL AND LOW WATER CUT-OFF DEVICE FURNISHED AS PART OF FOUNTAIN EQUIPMENT.
23. FOUNTAIN EQUIPMENT IS SPECIFIED AND DETAILED ON SHEET E1. THIS CONTRACTOR SHALL FURNISH AND INSTALL THE FOUNTAIN EQUIPMENT AS MANUFACTURED BY KIM WITH ALL REQUIRED ACCESSORIES FOR A COMPLETE INSTALLATION. THE INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND AS REQUIRED BY ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE.
24. FURNISH AND INSTALL A BUCK AND BOOST TRANSFORMER FOR A MAX LOAD AT 208 TO 230 VOLT, 18 LOAD. EXTEND POWER WIRING FOR FOUNTAIN THRU TRANSFORMER. INSTALL A 2P/ST DISCONNECT SWITCH ON LOAD SIDE OF TRANSFORMER.
25. INSTALL ON/OFF SWITCH FOR CONTROL OF FOUNTAIN PUMP AND LABEL SWITCH "FOUNTAIN".
26. EXTEND TO MOTOR CONTROLLER IN ELECTRICAL ROOM 20.
27. INSTALL NEMA SIZE 0, 230 VOLT, 18 MOTOR CONTROLLER FOR FOUNTAIN PUMP. EXTEND FOUNTAIN PUMP CIRCUIT THRU CONTROLLER AND A 30 AMP GROUND FAULT CIRCUIT INTERRUPTER PROTECTION.
28. FEED FOR 28

**KEYED NOTES**

1. INSTALL DEVICE INDICATED 6" ABOVE COUNTERTOP BACKSPASH WITH MAJOR AXIS HORIZONTAL.
2. DEVICE INDICATED IS A COMBINATION NEMA 5-20R AND 10-20R CONFIGURATION.
3. TYPE OF DEVICE IS INDICATED FOR RIDING PURPOSES. THIS CONTRACTOR SHALL VERIFY CHARACTERISTICS OF DUPLICATING MACHINE AND INSTALL BRANCH CIRCUIT WIRING/PROTECTION AND DEVICE ACCORDINGLY.
4. DEVICE INDICATED IS AN ISOLATED GROUND DEVICE, HUBBELL NO. 164700.
5. EXTEND EQUIPMENT GROUND THRU PANEL/CIRCUIT TO MAIN GROUND AT PANEL "MDP" AS ALLOWED BY NATIONAL ELECTRICAL CODE ARTICLES 250-75, EXCEPT #4.
6. DEVICE INDICATED IS FOR CONNECTION OF LANDSCAPE IRRIGATION CONTROLLER, VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
7. DEVICE SHALL BE FOURPLEX AND INSTALLED AT BOTTOM OF PLYWOOD BACKBOARD.
8. INSTALL JUNCTION BOX BELOW COUNTERTOP FOR CONNECTION OF COOK TOP.
9. INSTALL JUNCTION BOX AT HEIGHT AND LOCATION AS REQUIRED FOR CONNECTION OF MICROWAVE OVEN, VERIFY LOCATIONS WITH ARCHITECTURAL DETAILS.
10. INSTALL CONTROL WIRING TO RESPECTIVE UNITS AS REQUIRED BY CONTROL WIRING DIAGRAMS AND/OR MANUFACTURERS APPROVED INSTALLATION/WIRING DIAGRAMS.
11. INTERCONNECT HVAC EQUIPMENT AS REQUIRED BY NOTE 10.
12. FURNISH AND INSTALL A WEATHERPROOF JUNCTION BOX AND EXTEND CONTROLS TO RESPECTIVE CONTROL DEVICES.
13. INSTALL JUNCTION BOX BELOW COUNTERTOP, FLUSH MOUNTED IN WALL, AND EXTEND BRANCH FEEDER TO PLUGMOLD ON TOP OF BACKSPASH PER DETAIL ON SHEET E-5.
14. FURNISH AND INSTALL A TORK #1-902LE LIGHTING CONTROL CENTER AND CONNECT CIRCUIT LA-23 TO "DUSK-ON/DAWN-OFF" CONTROL CIRCUIT AND CIRCUIT LA-25 TO "DUSK-ON/PRE-SET OFF" CONTROL. "PRE-SET" TIMED OFF WILL BE ASSIGNED BY OWNER. FURNISH CONTROL CENTER WITH PHOTO-CELL.
15. C.T. ENCLOSURE.
16. METERING ENCLOSURE.
17. REFER TO POWER RISER DIAGRAM FOR DETAILS.
18. UNDERGROUND SECONDARY FEEDER.
19. UNDERGROUND PRIMARY FEEDER.
20. CONCRETE PAD FOR PAD MOUNT UTILITY TRANSFORMER.
21. FURNISH AND INSTALL A 30 AMP, 250 VOLT, 3 POLE + S.N., NEMA 3R NON-FUSIBLE DISCONNECT SWITCH.
22. SWITCH INDICATED IS FOR PUMP MOTOR PROTECTION AND DISCONNECT MEANS.
23. STEEL/CONCRETE POSTS AS REQUIRED BY PAD MOUNT TRANSFORMER FPM STANDARD DRAWING.
24. MOTOR STARTER FURNISHED AS PART OF HVAC EQUIPMENT.
25. FURNISH AND INSTALL A COMBINATION NEMA SIZE 0, 2 SPEED MOTOR CONTROLLER AND NON-FUSIBLE DISCONNECT SWITCH, 250 VOLT, 38 IN. PMA 3R ENCLOSURE. FURNISH DISCONNECT SWITCH WITH AN INTERLOCK AND EXTEND PUMP UNGROUND CONDUCTOR THRU INTER-LOCK.
26. INSTALL DEVICES IN ARCHITECTURAL CASEWORK AS DETAILED FOR RESPECTIVE CASEWORK.
27. JUNCTION BOX FOR SPECIAL SYSTEMS UNDERCART SYSTEM, SEE SHEET E-4 FOR DETAILS.
28. TYPE "V" FIXTURE INSTALLED AS PART OF TOTAL "STACK LIGHTING SYSTEM".
29. TYPE "W" FIXTURE INSTALLED AS PART OF TOTAL "STACK LIGHTING SYSTEM".
30. TYPE "V" AND TYPE "W" FIXTURES SHALL BE INSTALLED AS A COMPLETE "STACK LIGHTING" SYSTEM WITH PRE-WIRED CHANNELS MOUNTING HARDWARE, ETC. AS FURNISHED BY PEERLESS. SEE SHEET A-11 FOR MOUNTING DETAILS.
31. INSTALL SWITCH ON BOOKSTACKS AT LOCATION AND AS REQUIRED BY ARCHITECTURAL DETAILS AND/OR AS DIRECTED IN FIELD BY ARCHITECT.
32. INSTALL BRANCH CIRCUITING CONCEALED WITHIN CASEWORK AS DIRECTED IN FIELD BY ARCHITECT.
33. BRANCH CIRCUIT FEEDERS IN CONDUIT BELOW FLOOR.
34. INSTALL DEVICE AT HEIGHT AND LOCATION AS DIRECTED BY ARCHITECTURAL DRAWINGS.
35. INSTALL 3/CONDUCTOR UNDERCART FLAT CABLE, SEE SPECIFICATIONS.
36. INSTALL 5/CONDUCTOR UNDERCART FLAT CABLE, SEE SPECIFICATIONS.
37. INSTALL JUNCTION BOX IN LOWER PORTION OF KIOSK AT ACCESS DOOR AND INSIDE FLOOR, SEE ARCHITECTURAL DETAILS FOR EXACT LOCATION.
38. INSTALL JUNCTION BOX WITH-IN ARCHITECTURAL CASEWORK AT ACCESSIBLE LOCATION, SEE CASEWORK DETAILS AND/OR INSTALL AS DIRECTED BY ARCHITECT IN FIELD.
39. EXTEND CONDUCTORS BETWEEN JUNCTION BOX AND PANEL. COIL CONDUCTORS AT PANEL AND INSIDE JUNCTION BOX AND LEAVE FOR FUTURE.
40. FURNISH AN AMP #553291, 5 CONDUCTOR FLUSH MOUNTED JUNCTION BOX AND INSTALL AS REQUIRED BY MANUFACTURER FOR UNDERCART POWER DISTRIBUTION SYSTEM.
41. FURNISH AN AMP #553094, 3 CONDUCTOR FLUSH MOUNTED JUNCTION BOX AND INSTALL IN CASEWORK AS REQUIRED BY MANUFACTURER FOR UNDERCART POWER DISTRIBUTION SYSTEM AND AS DIRECTED BY ARCHITECTURAL DETAILS AND/OR BY ARCHITECT IN FIELD.
42. FURNISH A COMBINATION POWER AND TELEPHONE FLOOR FITTING, SEE SPECIFICATIONS FOR TYPE.
43. JUNCTION BOX FOR CONNECTION OF WATER HEATER, INSTALL ALONGSIDE WATER HEATER. VERIFY HEIGHT WITH "H" DRAWINGS.
44. THERMOSTAT ACTIVATES (CLOSES ON RISE) EXH. FAN IN ROOM. SET T-STAT AT 65° F.
45. MOTORIZED DAMPER INSTALLED IN SUPPLY SIDE DUCTWORK, CONNECT INTO CONTROLS FOR HVAC EQUIPMENT SO AS TO ACTIVATE (OPEN) DAMPER WHEN RESPECTIVE HVAC EQUIPMENT IS ACTIVATED.
46. MOTORIZED PROJECTION SCREEN.
47. "RAISE/LOWER" SWITCH FURNISHED AS PART OF MOTORIZED PROJECTION SCREEN. INSTALL SWITCH AND CONNECT SCREEN PER MANUFACTURERS INSTALLATION DRAWINGS.
48. ALTERNATE BRANCH CIRCUITING ON ALTERNATING DEVICES, TYPICAL FOR ALL BRANCH CIRCUITING.

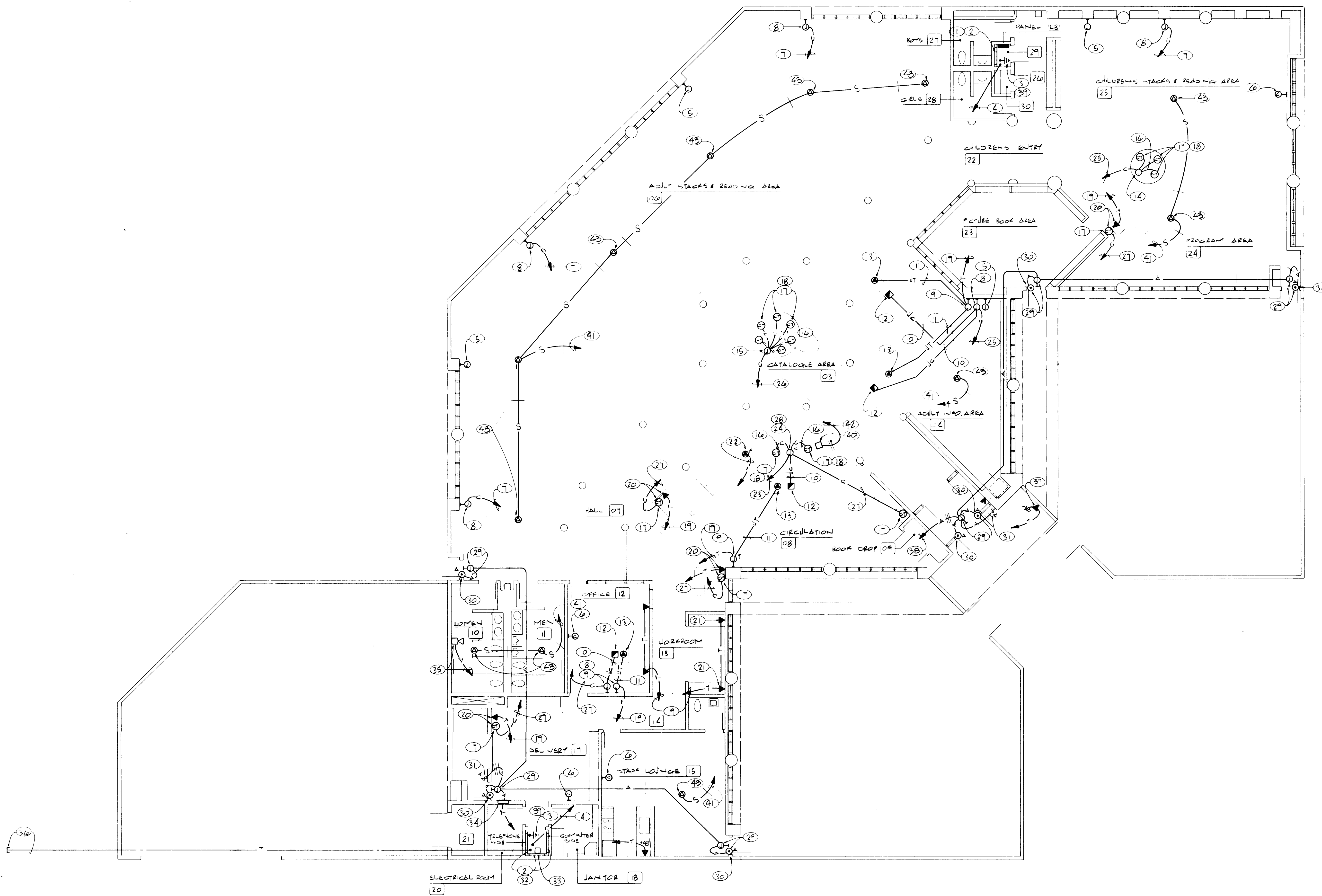
**RECORD DRAWING**

Van H. Gilbert Architect A/E

DATE: 10/14/88 DRAWN BY: TMB

POWER PLAN

1986



NOTE: THE DOOR ALARM SYSTEM SHALL BE FURNISHED AND INSTALLED AS A COMPLETE AND OPERABLE SYSTEM. THE MAJOR COMPONENTS HAVE BEEN SPECIFIED; HOWEVER, THESE ITEMS DO NOT NECESSARILY CONSTITUTE ALL COMPONENTS FOR A WORKABLE SYSTEM. INSTALL SHIELDED CABLE IN CONDUITS SYSTEM AS REQUIRED.

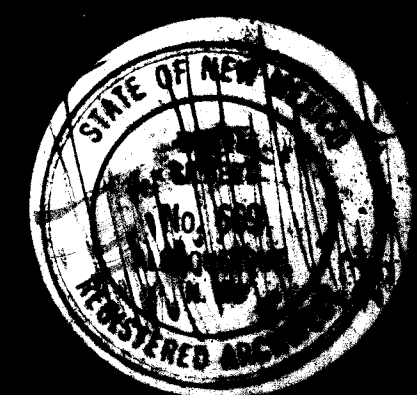
# KEYED NOTES

- 1 FURNISH A 3/4" PLYWOOD BACKBOARD AND INSTALL WALL TO WALL AS SHOWN AND 8' HIGH.
- 2 PAINT PLYWOOD WITH 2 COATS OF FIRE RETARDANT PAINT.
- 3 INSTALL #6 BARE SOFT COPPER GROUND CONTINUOUS AT BOTTOM OF BACKBOARD.
- 4 EXTEND 2" CONDUIT TO MAIN TELEPHONE BACKBOARD.
- 5 FLUSH MOUNTED JUNCTION BOX FOR UNDERCARPET POWER SYSTEM, SEE SHEET E3 FOR DETAILS.
- 6 INSTALL CLOCK FLUSH MOUNTED AT HEIGHT AS INDICATED BY ARCHITECT IN FIELD.
- 7 EXTEND 1 1/2" CONDUIT WITH PULL WIRE TO COMPUTER BACKBOARD.
- 8 FURNISH A 5/CONDUCTOR FLUSH MOUNTED UNDERCARPET FLAT WIRE SYSTEM JUNCTION BOX FOR FUTURE COMPUTER SYSTEM. INSTALL AS DIRECTED BY FLAT WIRE SYSTEM MANUFACTURERS INSTALLATION DRAWINGS.
- 9 FURNISH A 5/CONDUCTOR FLUSH MOUNTED UNDERCARPET FLAT WIRE SYSTEM JUNCTION BOX FOR TELEPHONE SYSTEM. INSTALL AS DIRECTED BY FLAT WIRE SYSTEM MANUFACTURERS INSTALLATION DRAWINGS.
- 10 INSTALL FLAT WIRE DATA SYSTEM CABLE BETWEEN J-BOX AND DEVICE. CABLE SHALL BE 25 CONDUCTOR.
- 11 INSTALL FLAT WIRE TELEPHONE SYSTEM BETWEEN J-BOX AND DEVICE. CABLE SHALL BE 25 CONDUCTOR.
- 12 INSTALL AN UNDERCARPET FLAT WIRE SYSTEM DATA OUTLET. DEVICE SHALL BE LOW PROFILE TYPE AS CALLED FOR IN SPECIFICATIONS.
- 13 INSTALL AN UNDERCARPET FLAT WIRE SYSTEM TELEPHONE OUTLET. DEVICE SHALL BE LOW PROFILE TYPE AS CALLED FOR IN SPECIFICATIONS.
- 14 FURNISH A 6" SQUARE JUNCTION BOX AND INSTALL AT READILY ACCESSIBLE LOCATION IN BOTTOM OF CASEWORK AT ACCESS DOOR.
- 15 FURNISH A 12" SQUARE JUNCTION BOX AND INSTALL AT READILY ACCESSIBLE LOCATION IN BOTTOM OF CASEWORK AT ACCESS DOOR.
- 16 HARDWIRE BETWEEN JUNCTION BOX AND EACH COMPUTER TERMINAL. INSTALL CONDUIT SYSTEMS CONCEALED IN CASEWORK AS DIRECTED BY ARCHITECT. EACH CONDUIT SHALL CONTAIN A 25 CONDUCTOR SHIELDED CABLE/BELDEN TYPE 9543 (RS232 CABLE). CONDUIT SHALL BE 3/4" TRADE SIZE.
- 17 CABLE SHALL TERMINATE IN A STANDARD OUTLET BOX WITH MISCO #J1101 DEVICE PLATE AND A FEMALE 25 PIN TO 25 CONNECTOR. PROVIDE CONNECTORS FOR INSTALLATION ON CABLE BY OWNER.
- 18 INSTALL DEVICES IN CASEWORK AS DIRECTED BY ARCHITECTURAL DETAILS ANYHOW AS DIRECTED IN FIELD.
- 19 EXTEND 1" CONDUIT WITH PULL WIRE TO TELEPHONE BACKBOARD.
- 20 INSTALL DEVICES INDICATED UP 32" ABOVE FINISH FLOOR.
- 21 INSTALL DEVICE INDICATED 6" ABOVE COUNTERTOP BACKSPLASH WITH MAJOR AXIS HORIZONTAL.
- 22 INSTALL 6" SQUARE JUNCTION BOX IN COUNTER CASEWORK AND EXTEND 2" CONDUIT TO TELEPHONE BACKBOARD.
- 23 EXTEND 2" CONDUIT TO COMPUTER SYSTEM BACKBOARD.
- 24 FURNISH A 12"W X 24"H X 6" DEEP FLUSH MOUNTED JUNCTION BOX AND INSTALL FLUSH WITH TOP OF CONCRETE FLOOR. EXTEND ALL COMPUTER CONDUITS UP INTO THIS BOX. BOX SHALL BE ACCESSIBLE THRU BOTTOM SHELF OF CASEWORK.
- 25 EXTEND 3-25 CONDUCTOR OVERALL SHIELDED CABLES IN 1 1/2" CONDUIT TO JUNCTION BOX CALLED FOR IN NOTE (24). CABLE SHALL BE BELDEN TYPE 9543.
- 26 EXTEND 6-25 CONDUCTOR OVERALL SHIELDED CABLES IN 2" CONDUIT TO JUNCTION BOX CALLED FOR IN NOTE (24). CABLE SHALL BE BELDEN TYPE 9543.
- 27 EXTEND 1-25 CONDUCTOR OVERALL SHIELDED CABLES IN 1" CONDUIT TO JUNCTION BOX CALLED FOR IN NOTE (24). CABLE SHALL BE BELDEN TYPE 9543.
- 28 PROVIDE A 25 PIN CONNECTOR AT EACH DATA SYSTEM CABLE IN JUNCTION BOX. CONNECTORS SHALL BE MALE OR FEMALE AS REQUIRED BY DATA EQUIPMENT.
- 29 FURNISH A FLUSH MOUNTED JUNCTION BOX AND INSTALL IN WALL ABOVE DOOR AND EXTEND FLEXIBLE CONDUIT CONCEALED DOWN IN WALL TO DOOR CONTACT ALARM DEVICE.
- 30 FURNISH AN ADEMCO MAGNETIC DOOR CONTACT SIMILAR TO CATALOG NO. 59L AND INSTALL IN HEAD OF DOOR AT 3" FROM HINGE SIDE OF DOOR AND IN A MANNER AS DIRECTED BY MANUFACTURER OF CONTACT.
- 31 FURNISH AN ARMING STATION FOR THE DOOR ALARM SYSTEM. STATION SHALL BE FLUSH MOUNTED AT 48" ABOVE FINISH FLOOR AND SHALL BE SIMILAR TO ADEMCO #5747/230/2385 WITH TAMPER SWITCH.
- 32 INSTALL 8' HIGH BY 3/4" PLYWOOD BACKBOARD CONTINUOUS ON 3 WALLS OF ROOM.
- 33 FURNISH AND INSTALL AN ADEMCO #612 TELEPHONE DIALER FOR THE DOOR ALARM SYSTEM.
- 34 FURNISH A FLUSH MOUNTED MASTER DOOR ALARM SYSTEM CABINET SIMILAR TO ADEMCO #1023-12.
- 35 FURNISH AN ADEMCO #706-12 MINI-HOWLER ALARM DEVICE IN WEATHERPROOF ENCLOSURE AND INSTALL ON BACK OF PARAPET ABOVE ROOF. CONNECT TO MASTER ALARM CABINET.
- 36 EXTEND 3" CONDUIT UNDERGROUND FROM TELEPHONE SYSTEM BACKBOARD TO PROPERTY LINE AT LOCATION AS DIRECTED BY MOUNTAIN BELL AND CAP BELOW GRADE.
- 37 INSTALL DEVICE AS REQUIRED FOR INSTALLATION OF PAY TELEPHONE.
- 38 EXTEND ALARM TO MASTER PANEL AT RECEIVING.
- 39 CONNECT GROUND TO BUILDING SYSTEM EQUIPMENT GROUND AT PANEL "MDP".
- 40 FURNISH A RAULAND #PRISTO AMPLIFIER WITH #1261 DESK PAGING MICROPHONE. AMPLIFIER SHALL BE SHELF MOUNTED BELOW THE COUNTER WITH THE MICROPHONE CABLE EXTENDED THROUGH A GROMMETED HOLE IN COUNTERTOP.
- 41 EXTEND A SINGLE PAIR SHIELDED SPEAKER CABLE IN 1/2" CONDUIT TO AMPLIFIER CALLED FOR IN NOTE (40). EXTEND THROUGHOUT TO ALL SPEAKERS.
- 42 CONNECT TO NEAREST 120 VOLT CONTINUALLY HOT CIRCUIT.
- 43 FURNISH A RECESSED CEILING MOUNTED SPEAKER ASSEMBLY: SOUNDOLIER #7730-BB WITH #49 MOUNTING BOX (#PRA12 PLASTER RING WHERE REQUIRED) AND SOUNDOLIER #CB3-TB2 SPEAKER. INSTALL ASSEMBLY AT LOCATION(S) AS DIRECTED ON REFLECTED CEILING PLAN AND/OR AS DIRECTED IN FIELD BY ARCHITECT.
- 44 FEEL SPEAKER WIRE TO AMPLIFIER THROUGH 2" IN CASE

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## RECORD DRAWING

A REV - AG EUILT



Date: 12 JAN, '86 Drawn By: JTB

SPECIAL SYSTEMS PLAN

SHEET 4

1986

SPECIAL SYSTEMS PLAN

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

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- NOTES:**
1. LOAD ANALYSIS
    - A. CONNECTED LOAD 157 KW
    - B. ESTIMATED DEMAND 100 KW
  2. SHORT CIRCUIT ANALYSIS; AVAILABLE SHORT CIRCUIT AT THE SECONDARY SIDE OF THE UTILITY TRANSFORMER IS 20,833 RMS AMPERES BASED ON ASSUMED 150 KVA TRANSFORMER WITH 2% IMPEDANCE AND 208Y/120 VOLT, 3Ø, 4 WIRE SERVICE.
  3. INSTALL GROUND IN STRICT ACCORDANCE WITH NATIONAL ELECTRICAL CODE ARTICLE 250 AND SPECIFICATIONS SECTION 16450.
  4. ALL CONDUCTORS ARE COPPER NO EXCEPTIONS.

### FIXTURE SCHEDULE NOTES

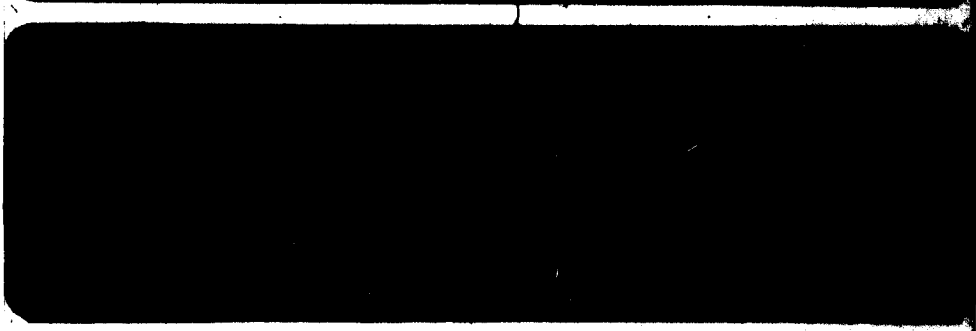
1. ALL METAL HALIDE AND HIGH PRESSURE SODIUM LAMPS SHALL BE PHOSPHOR COATED.
2. FURNISH 2 EXTRA CARTONS OF 3 K LAMPS/E40.
3. K LAMPS SHALL BE SIMILAR AND EQUAL TO G.E. SP30.
4. PROVIDE AN ADDITIONAL 5 LAMPS FOR EACH TYPE "A AND B" FIXTURES.
5. FIXTURES INDICATED "COLOR AS SELECTED BY ARCHITECT". COLORS SHALL BE SELECTED AT SHOP MEETINGS. SUBMITTAL FROM MANUFACTURERS STANDARD COLORS.

## ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION                                                                                                                                                                                                                                                                                    |                                                  |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
|        | CEILING OUTLET AND FIXTURE.                                                                                                                                                                                                                                                                    |                                                  |
|        | BRACKET OUTLET AND FIXTURE.                                                                                                                                                                                                                                                                    |                                                  |
|        | CEILING MOUNTED EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED.                                                                                                                                                                                                                  | TYPE AS INDICATED IN FIXTURE SCHEDULE            |
|        | WALL BRACKET OR RECESSED EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED.                                                                                                                                                                                                         |                                                  |
|        | FLUORESCENT OUTLET AND FIXTURE.                                                                                                                                                                                                                                                                |                                                  |
|        | POLE MOUNTED FIXTURE.                                                                                                                                                                                                                                                                          |                                                  |
|        | EVAPORATIVE COOLER SWITCHES, ONE "HI-OFF-LO" FOR FAN AND ONE "ON-OFF" FOR PUMP.                                                                                                                                                                                                                |                                                  |
|        | SINGLE POLE WALL SWITCH.                                                                                                                                                                                                                                                                       |                                                  |
|        | THREE WAY WALL SWITCH.                                                                                                                                                                                                                                                                         |                                                  |
|        | FOUR WAY WALL SWITCH.                                                                                                                                                                                                                                                                          |                                                  |
|        | PILOT SWITCH.                                                                                                                                                                                                                                                                                  |                                                  |
|        | KEYED WALL SWITCH WITH ALL SWITCHES KEYED THE SAME.                                                                                                                                                                                                                                            | FLUSH MOUNTED UP 48" UNLESS OTHERWISE INDICATED. |
|        | THERMAL SWITCH, WEATHERPROOF IF INSTALLED OUTSIDE.                                                                                                                                                                                                                                             |                                                  |
|        | MOMENTARY CONTACT SWITCH, 3 POSITION WITH SPRING RETURN TO CENTER POSITION.                                                                                                                                                                                                                    |                                                  |
|        | JUNCTION BOX FLUSH IN FLOOR, HUBBELL #B-2527.                                                                                                                                                                                                                                                  |                                                  |
|        | FLUSH FLOOR OUTLET, HUBBELL #B-2503 BOX WITH 1-1/2" RECEPTACLE AND ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.                                                                                                                                                                       |                                                  |
|        | JUNCTION BOX FLUSH IN WALL, HEIGHT AS INDICATED WITH CONNECTION TO EQUIPMENT.                                                                                                                                                                                                                  |                                                  |
|        | DUPLEX GROUNDING TYPE CONVENIENCE OUTLET INSTALLED WITHIN CASE OF ELECTRIC WATER COOLER.                                                                                                                                                                                                       |                                                  |
|        | DUPLEX CONVENIENCE OUTLET, UP 16" OR AS INDICATED.                                                                                                                                                                                                                                             |                                                  |
|        | 250 VOLT, 3 WIRE RANGE TYPE OUTLET, FLUSH MOUNTED AT HEIGHT INDICATED AND FURNISHED FOR RATED AMPERAGE.                                                                                                                                                                                        |                                                  |
|        | SPECIAL PURPOSE DEVICE, FLUSH MOUNTED AT 16" ABOVE FINISH FLOOR UNLESS OTHERWISE INDICATED. NUMBER AT DEVICE IS NEMA CONFIGURATION, SUPPLY WITH MATCHING CABLE. WEATHERPROOF DUPLEX CONVENIENCE OUTLET, UP 16" OR AS INDICATED.                                                                |                                                  |
|        | MOUNTING BOX AND DEVICE SHALL BE PASS AND SEWOUR #1553-PM6 DEVICE IN #4600 FLUSH MOUNTED LOCKING BOX (ALL KEYS SHALL BE SAME). NO EXCEPTIONS.                                                                                                                                                  |                                                  |
|        | THERMOSTAT, UP 48" UNLESS OTHERWISE INDICATED.                                                                                                                                                                                                                                                 |                                                  |
|        | PHOTOCELL LIGHTING CONTROLLER, PRECISION #15-15 MOUNTED ON 1/2" RIGID CONDUIT STUBBED UP 12" ABOVE ROOF, WITH WINDOW FACING NORTH.                                                                                                                                                             |                                                  |
|        | LIGHTING FIXTURES INDICATED WITH HALF SHADING PROVIDE EMERGENCY ILLUMINATION DURING NORMAL POWER FAILURE.                                                                                                                                                                                      |                                                  |
|        | TELEPHONE OUTLET, UP 16" OR AS INDICATED.                                                                                                                                                                                                                                                      |                                                  |
|        | FLUSH FLOOR TELEPHONE OUTLET, LEW #500-F.                                                                                                                                                                                                                                                      |                                                  |
|        | SPEAKER OUTLET IN CEILING, REFER TO DRAWINGS FOR DETAILS                                                                                                                                                                                                                                       |                                                  |
|        | CLOCK, FLUSH MOUNTED AT HEIGHT AS INDICATED, BLACK FACE AND BEZEL WITH WHITE HANDS AND NUMERALS, ELECTRO-TIME MONITOR SERIES G, 12" FACE DIAMETER.                                                                                                                                             |                                                  |
|        | WIREMOLD #2100 ALUMINUM OR #2127-G RECEPTABLES AT 12" O.C. AND WIRED FOR 2 CIRCUITS WITH ALTERNATE RECEPTABLES ON ALTERNATE CIRCUITS. FEED WIREMOLD ON #2144C WALL BOX CONNECTOR. ALL WIREMOLD (EXCLUDING OUTLETS) SHALL BE PAINTED, IN COLOR AS SELECTED BY ARCHITECT, PRIOR TO INSTALLATION. |                                                  |
|        | SPECIAL CABINET, TELEPHONE TYPE OR AS NOTED.                                                                                                                                                                                                                                                   |                                                  |
|        | LIGHT BRANCH CIRCUIT PANEL.                                                                                                                                                                                                                                                                    | SEE PANEL SCHEDULE FOR CHARACTERISTICS           |
|        | POWER DISTRIBUTION PANEL.                                                                                                                                                                                                                                                                      |                                                  |
|        | MOTOR CONNECTION WITH HP INDICATED.                                                                                                                                                                                                                                                            |                                                  |
|        | MOTOR CONTROLLER, SIZE AND POLES FOR MOTOR FURNISHED.                                                                                                                                                                                                                                          |                                                  |
|        | SAFETY SWITCH, TO HAVE POLES AND RATING REQUIRED, TO BE PEMA 3R IF INSTALLED OUTDOORS.                                                                                                                                                                                                         |                                                  |
|        | MOTOR CONNECTION FOR FRACTIONAL HP MOTOR (LESS THAN 1/3 HP). PROVIDE THERMAL D.L. SWITCH ADJACENT TO ALL MOTORS UNLESS SWITCH IS SHOWN ELSEWHERE ON PLAN.                                                                                                                                      |                                                  |
|        | JUNCTION BOX INSTALLED ABOVE THE CEILING WITH FLEXIBLE CONDUIT CONNECTION TO 144" IN FIXTURES. MINIMUM 4'-0" LENGTH OF CONDUIT WITH REQUIRED CONDUCTORS ALONG WITH GREEN WIRE GROUND.                                                                                                          |                                                  |
|        | UNDERGROUND ELECTRICAL SERVICE/FEEDER AS NOTED, REFER TO SPECIFICATIONS SECTION 16010 FOR INSTALLATION OF MARKING TAPES.                                                                                                                                                                       |                                                  |
|        | BRANCH CIRCUIT IN WALLS OR CEILING WITH CONDUCTORS INDICATED. NEUTRAL, HOT SWITCH AND GROUND RESPECTIVELY.                                                                                                                                                                                     |                                                  |
|        | BRANCH CIRCUIT IN WALLS OR UNDER FLOOR WITH CONDUCTORS INDICATED.                                                                                                                                                                                                                              |                                                  |
|        | HOME RUN TO PANEL WITH BRANCH CIRCUIT NUMBERS INDICATED.                                                                                                                                                                                                                                       |                                                  |
|        | TELEPHONE CONDUIT, MINIMUM 3/4" WITH PULL WIRE.                                                                                                                                                                                                                                                |                                                  |
|        | 1" CONDUIT WITH PULL WIRE TO TELEPHONE TERMINAL BOARD.                                                                                                                                                                                                                                         |                                                  |

## RECORD DRAWING

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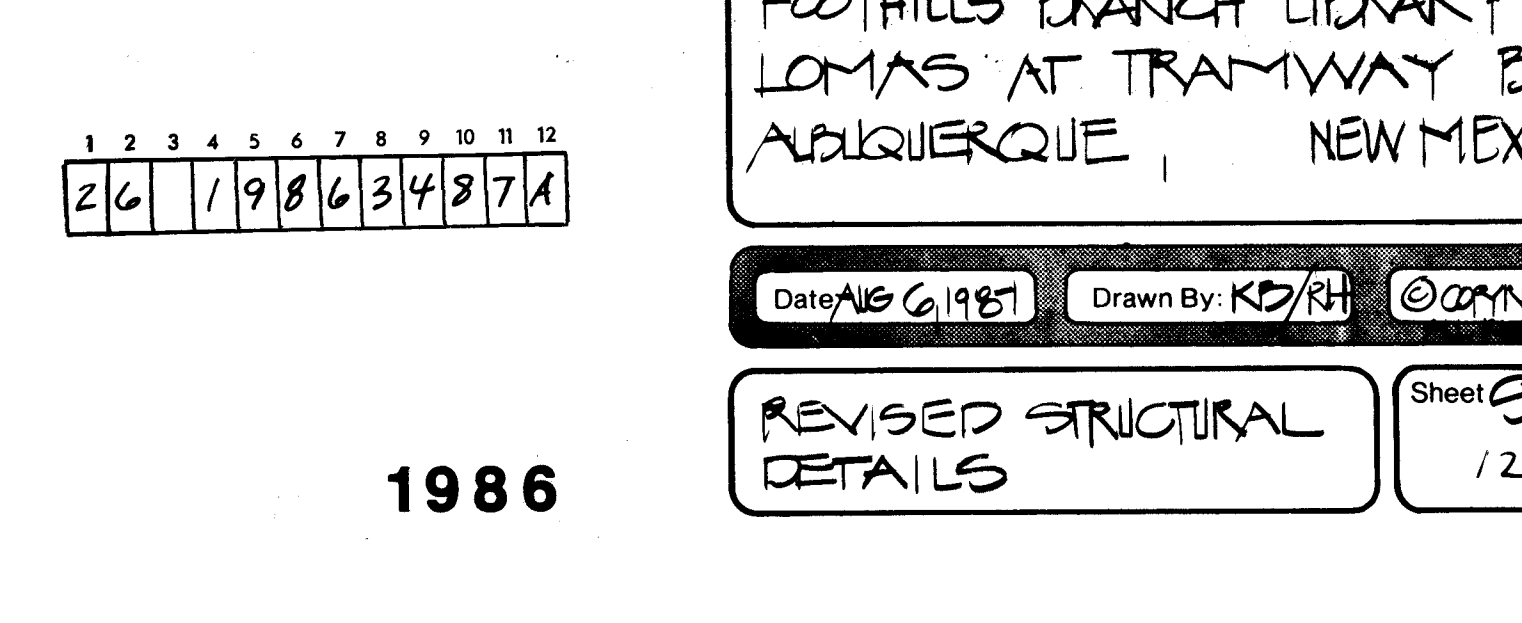
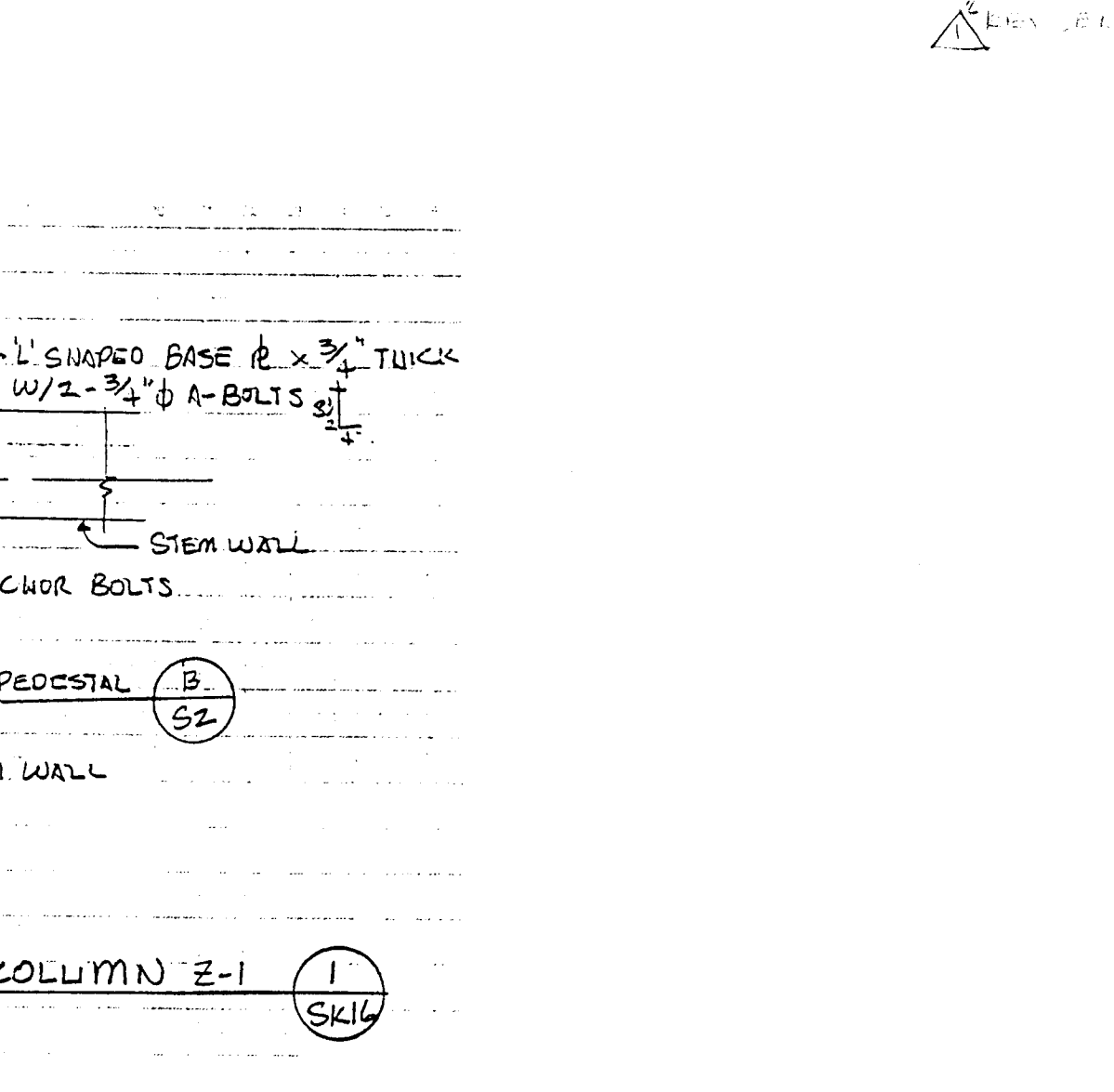
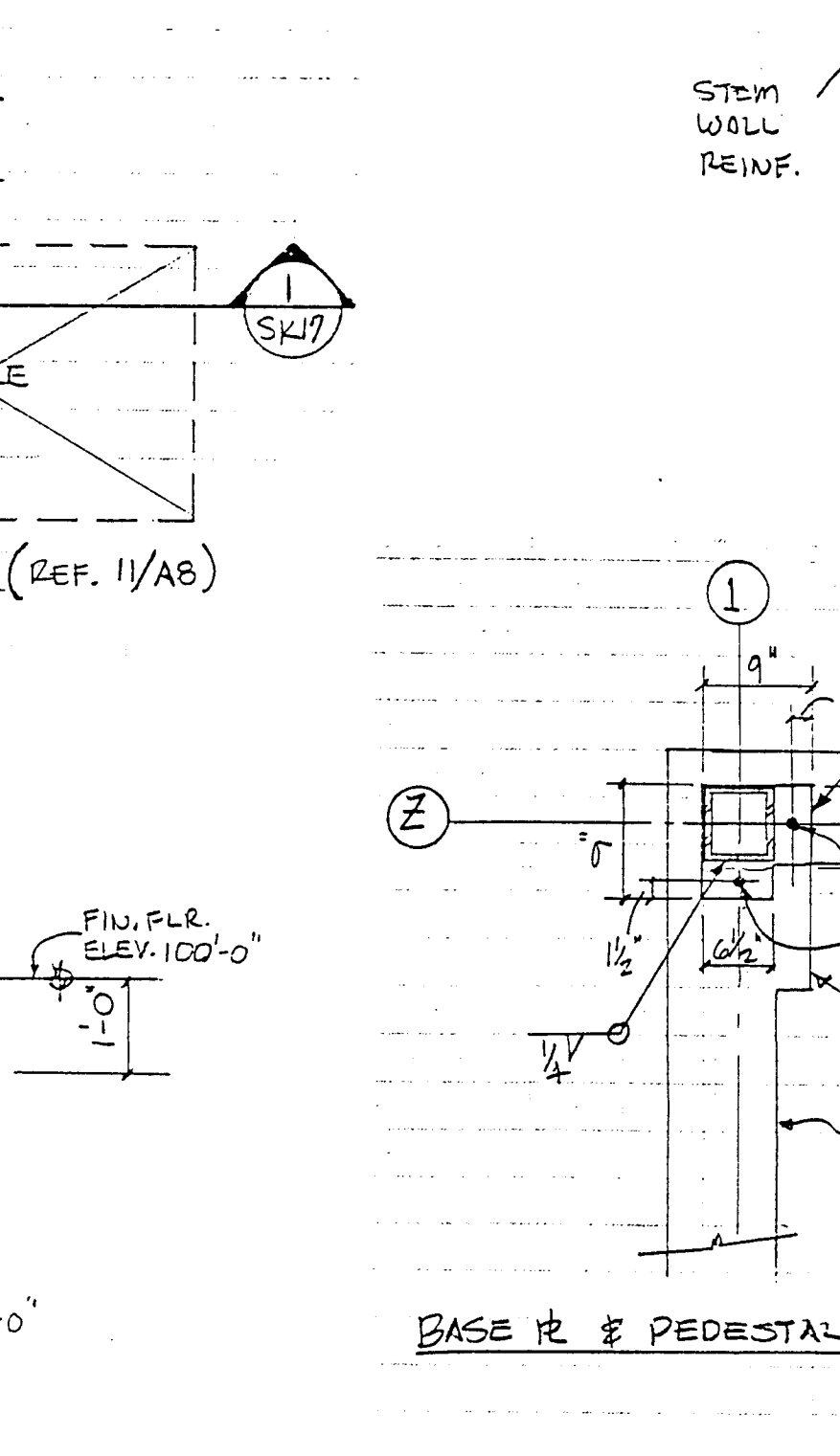
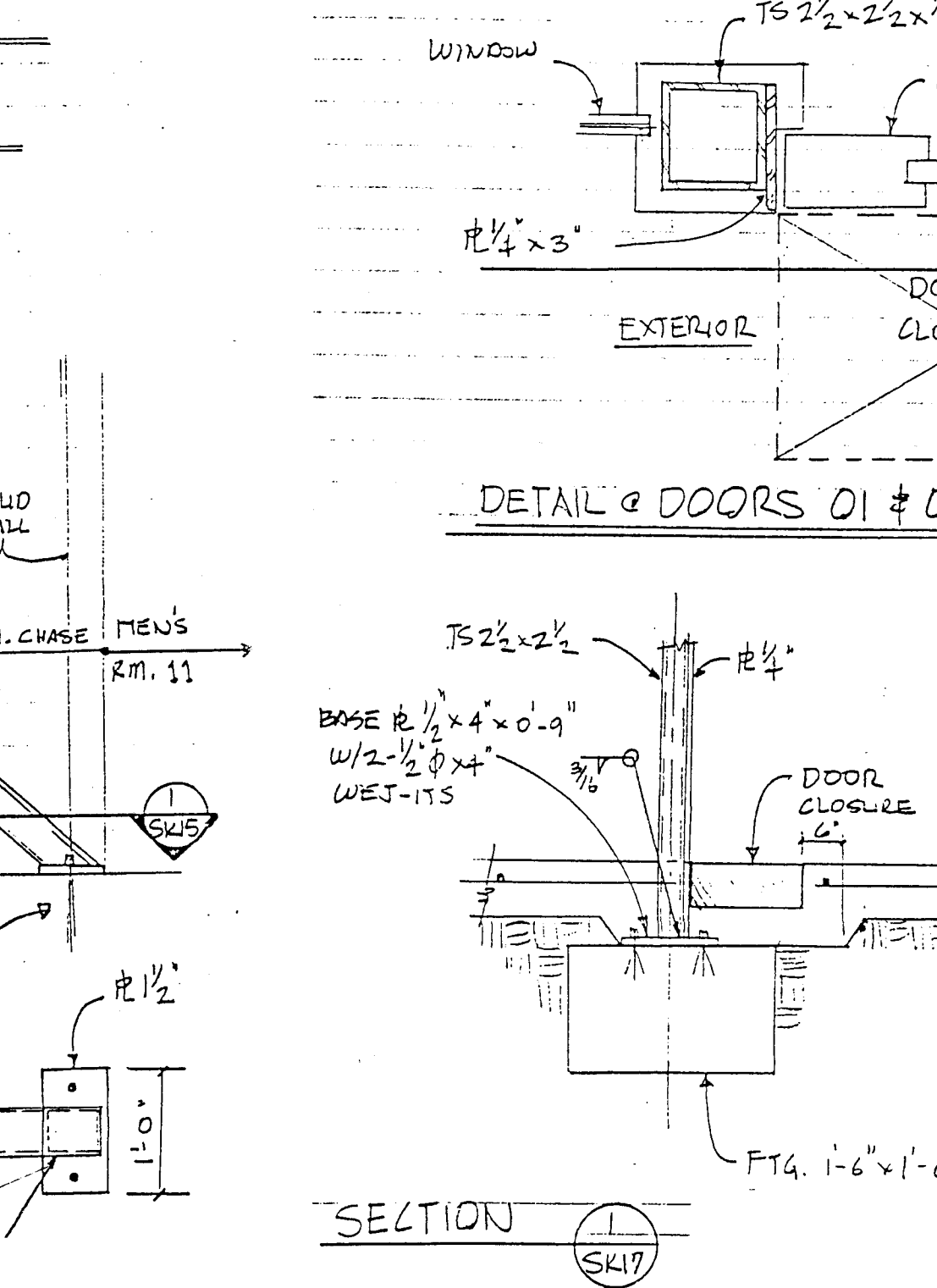
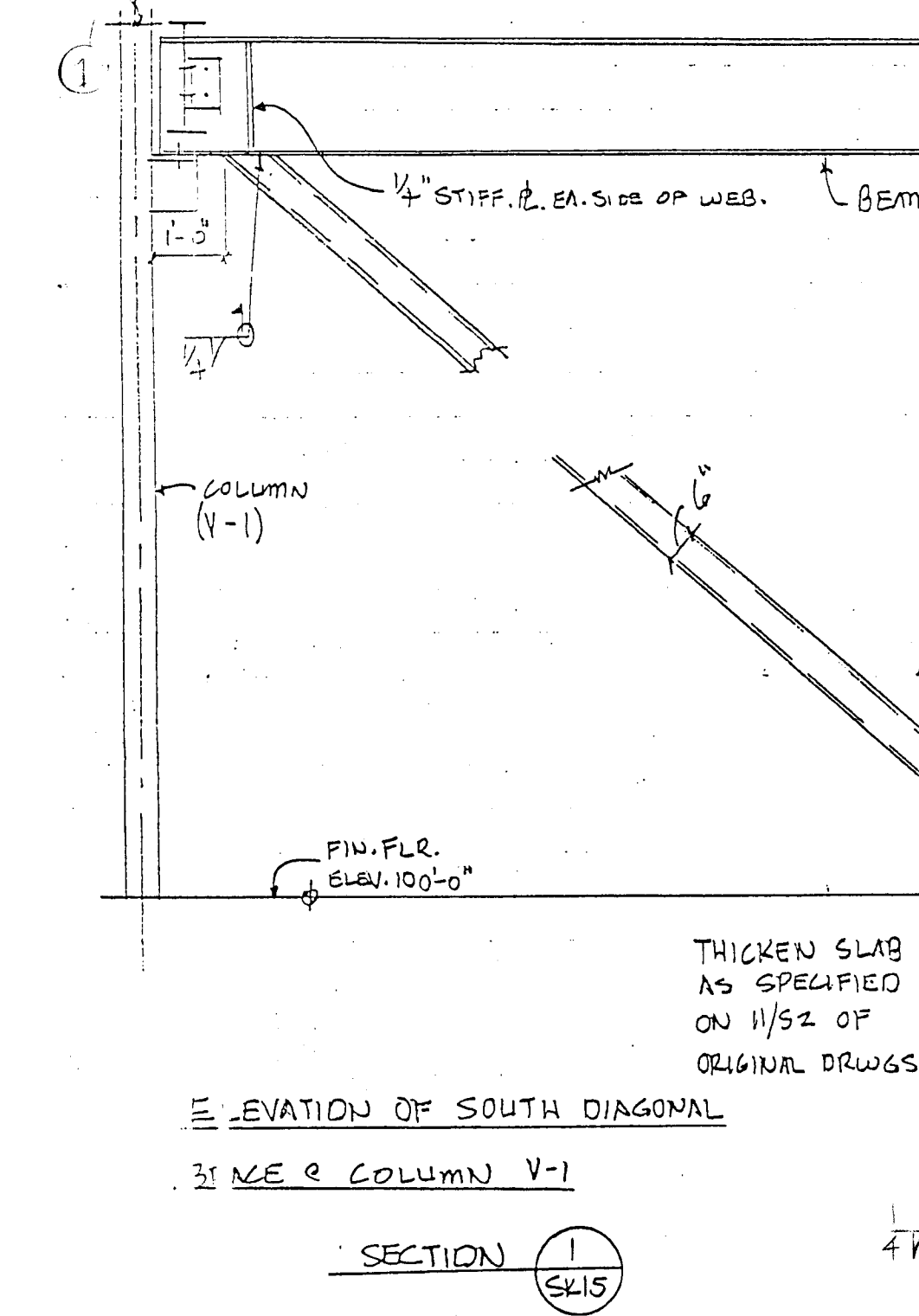
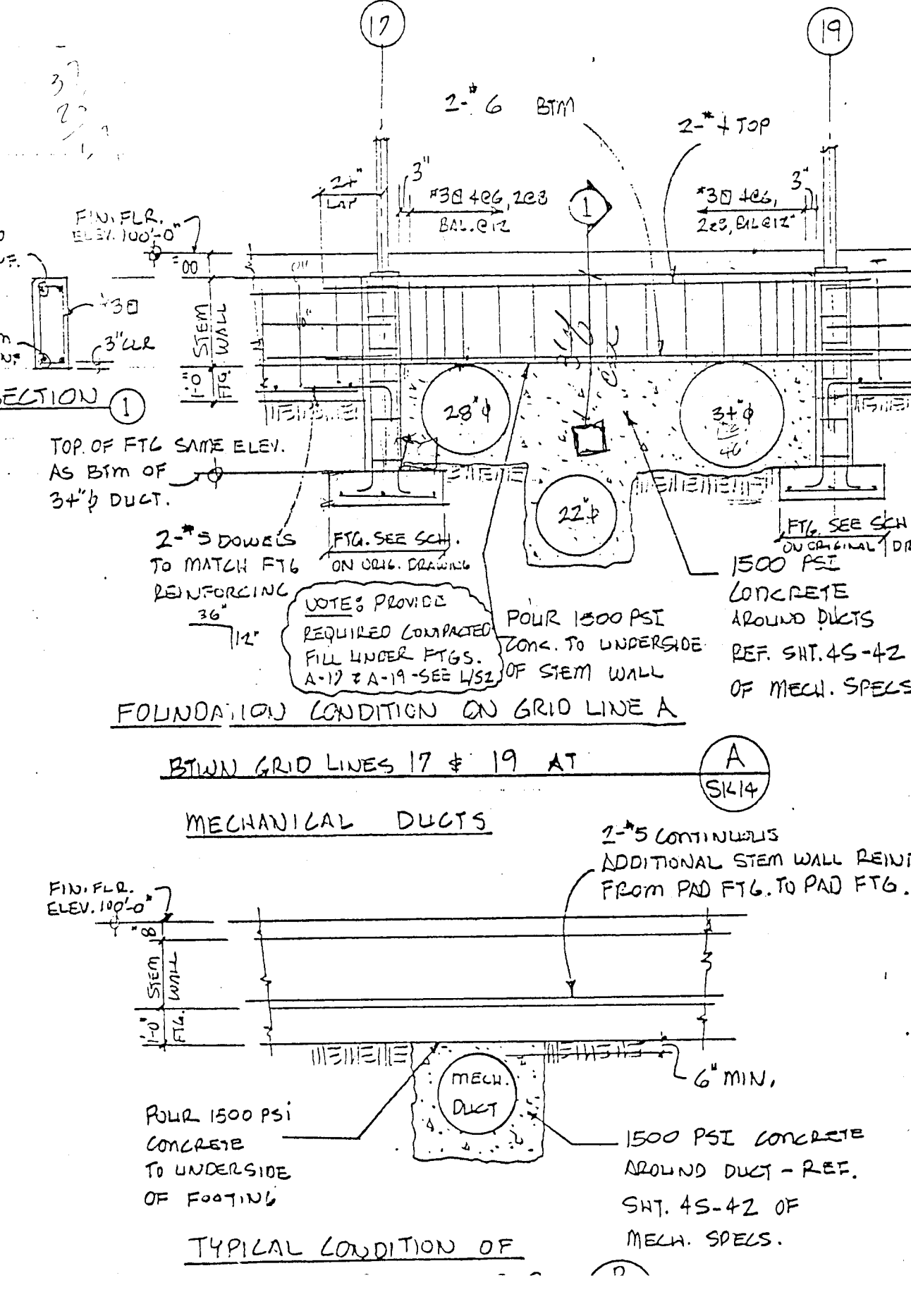
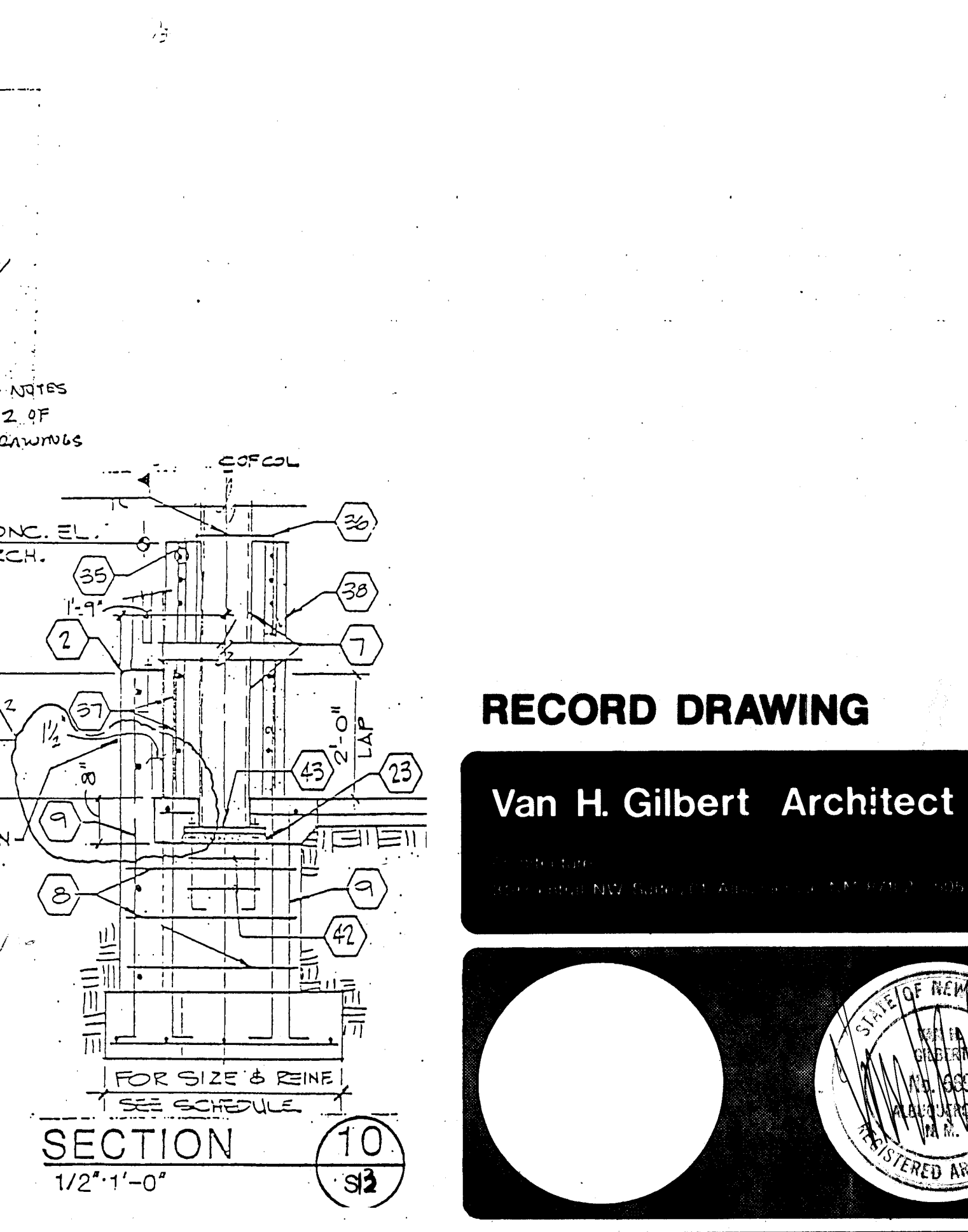
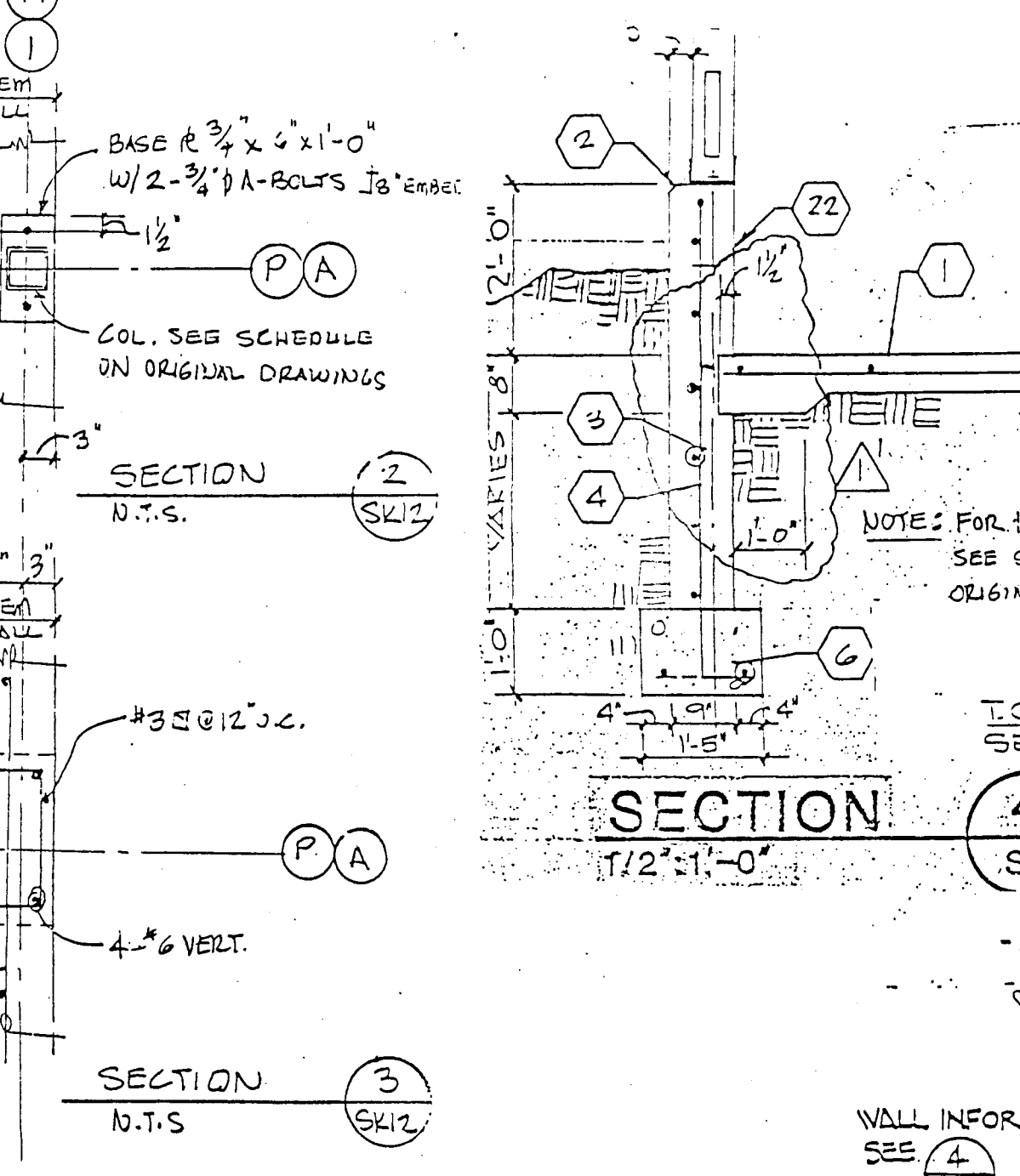
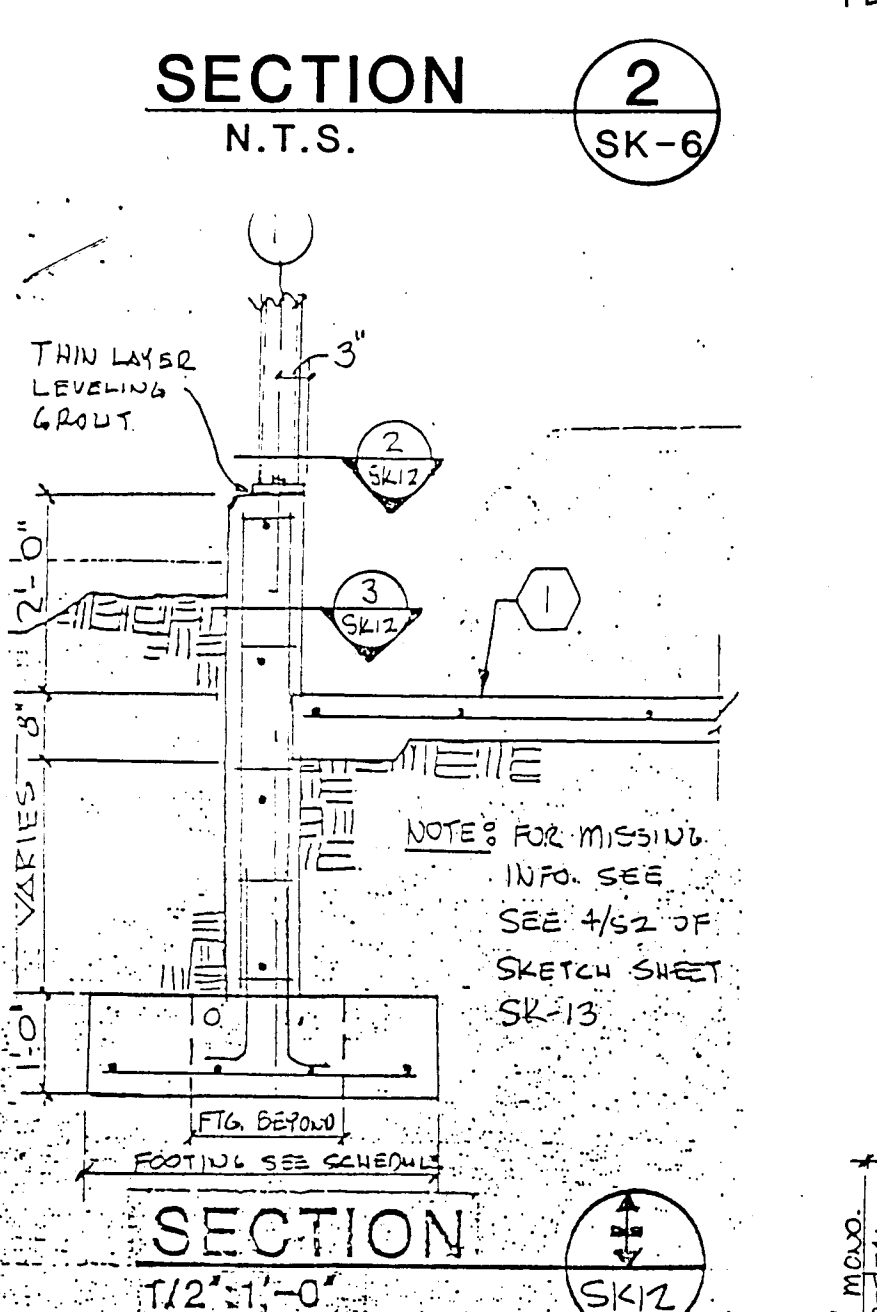
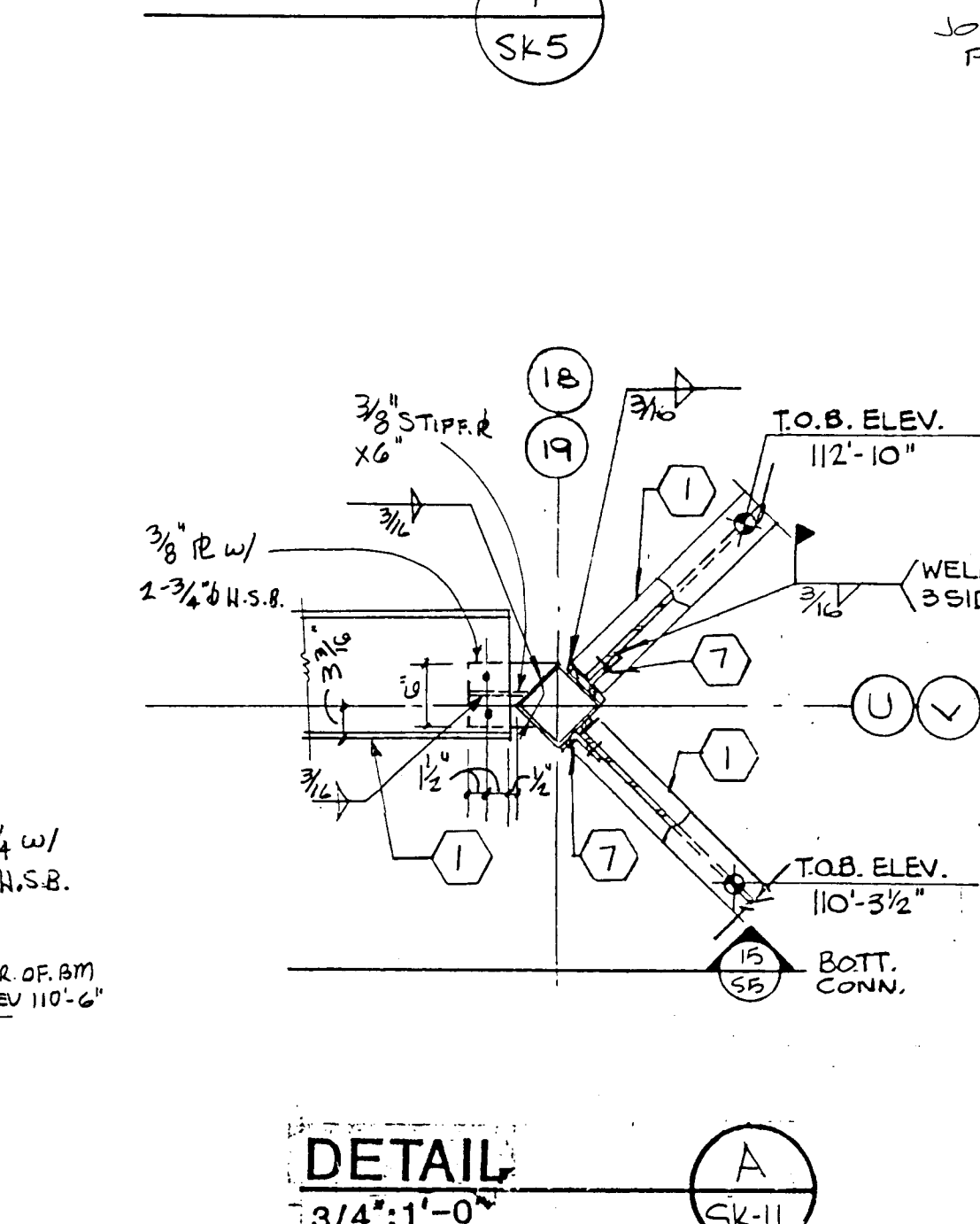
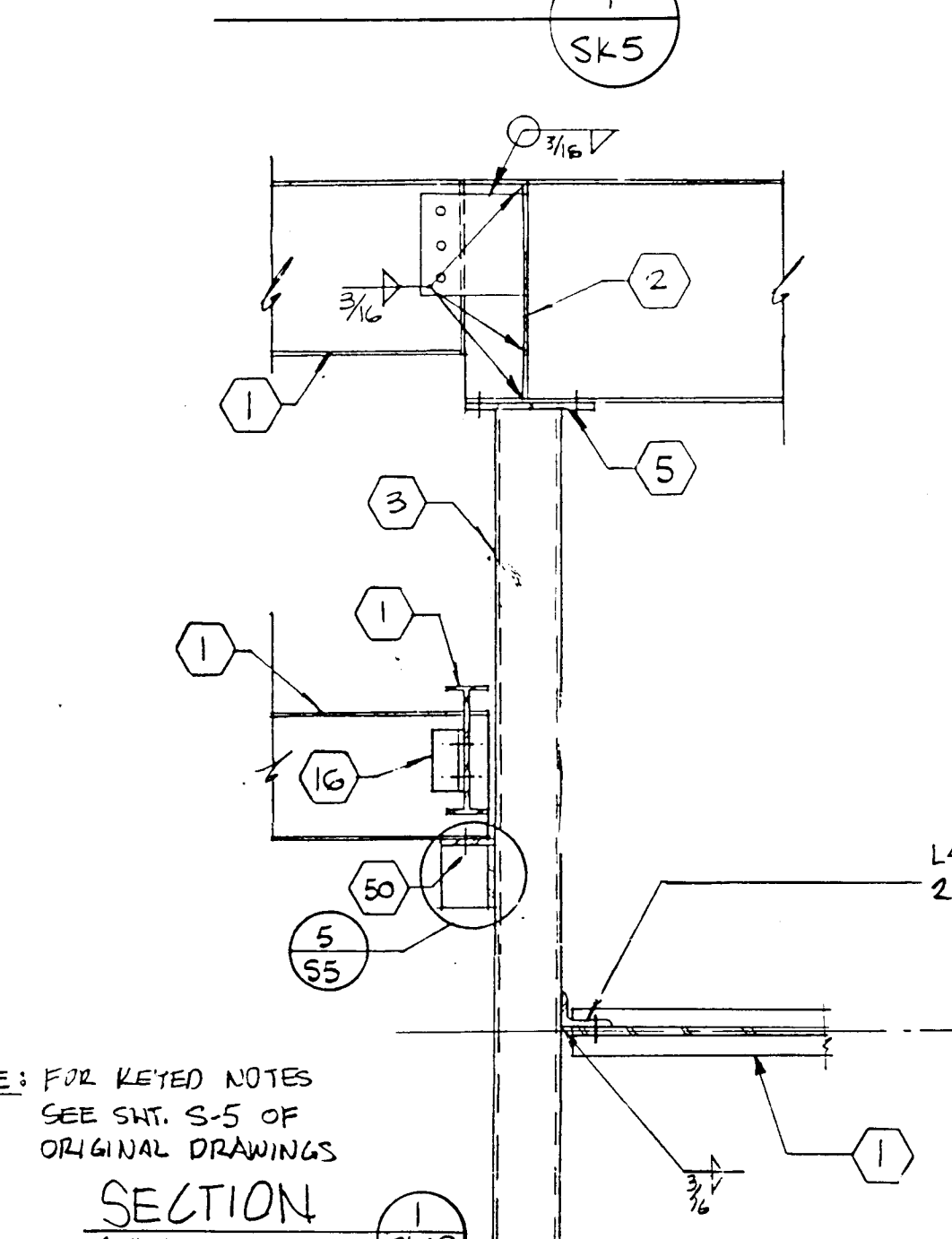
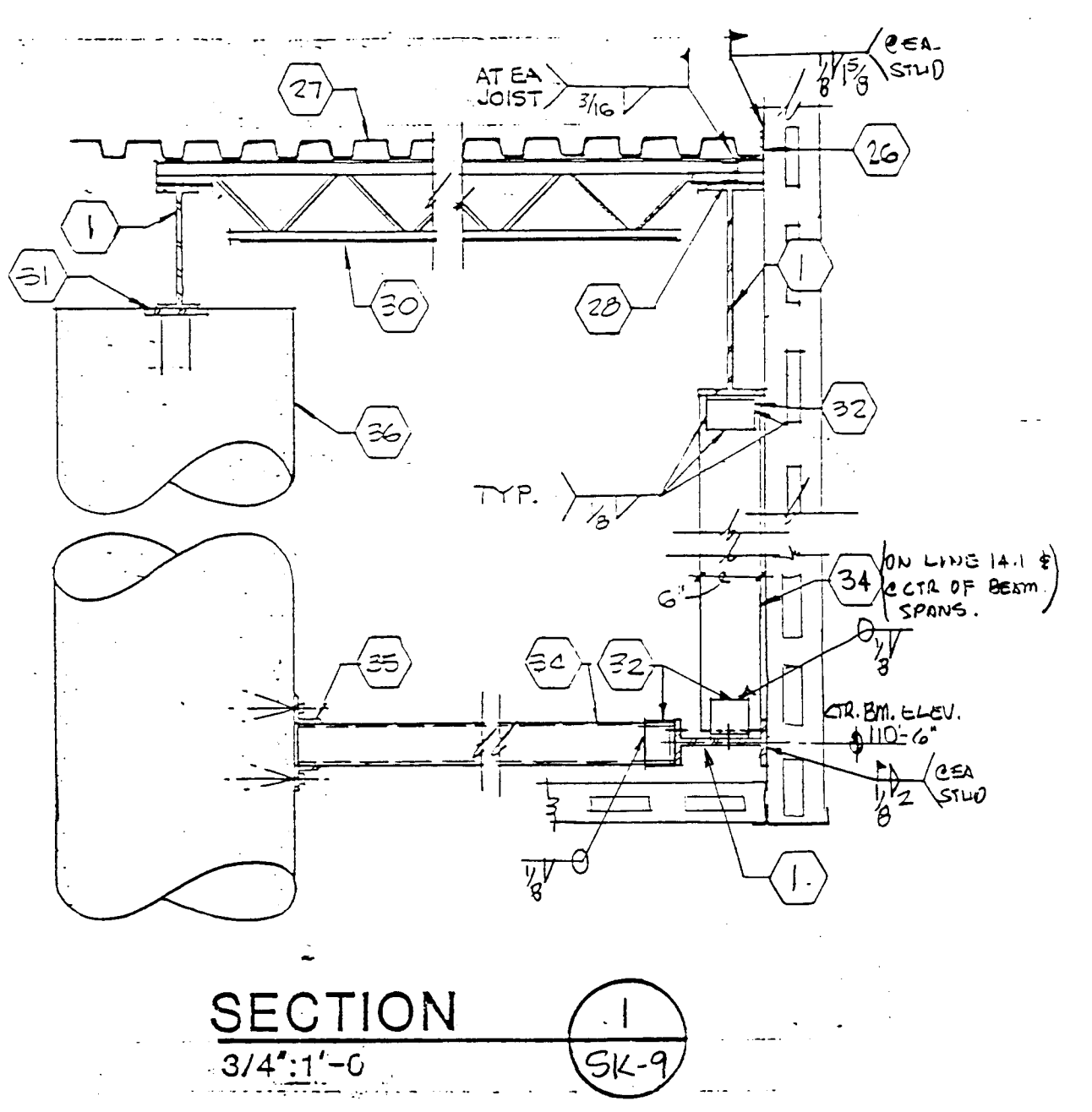
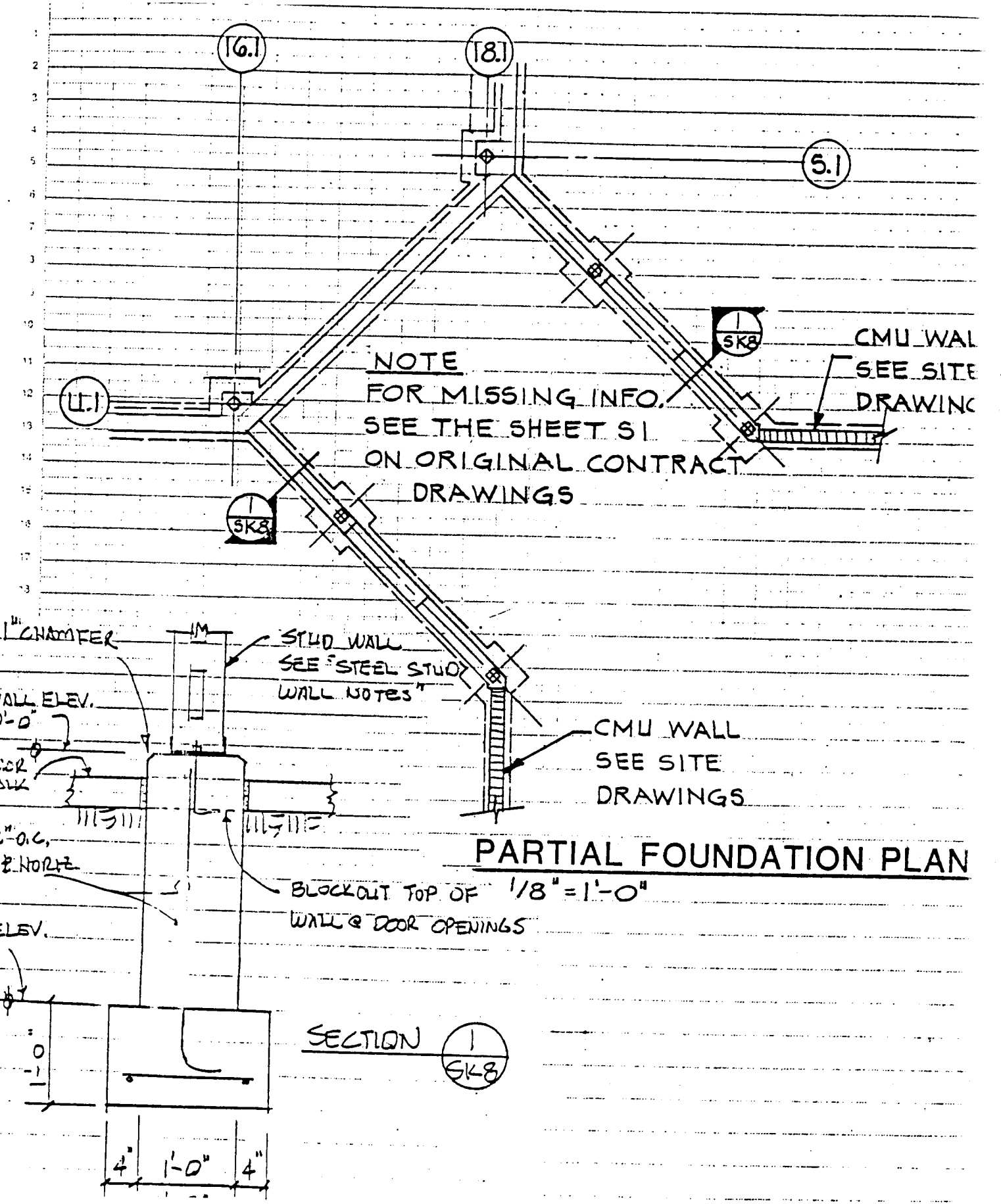
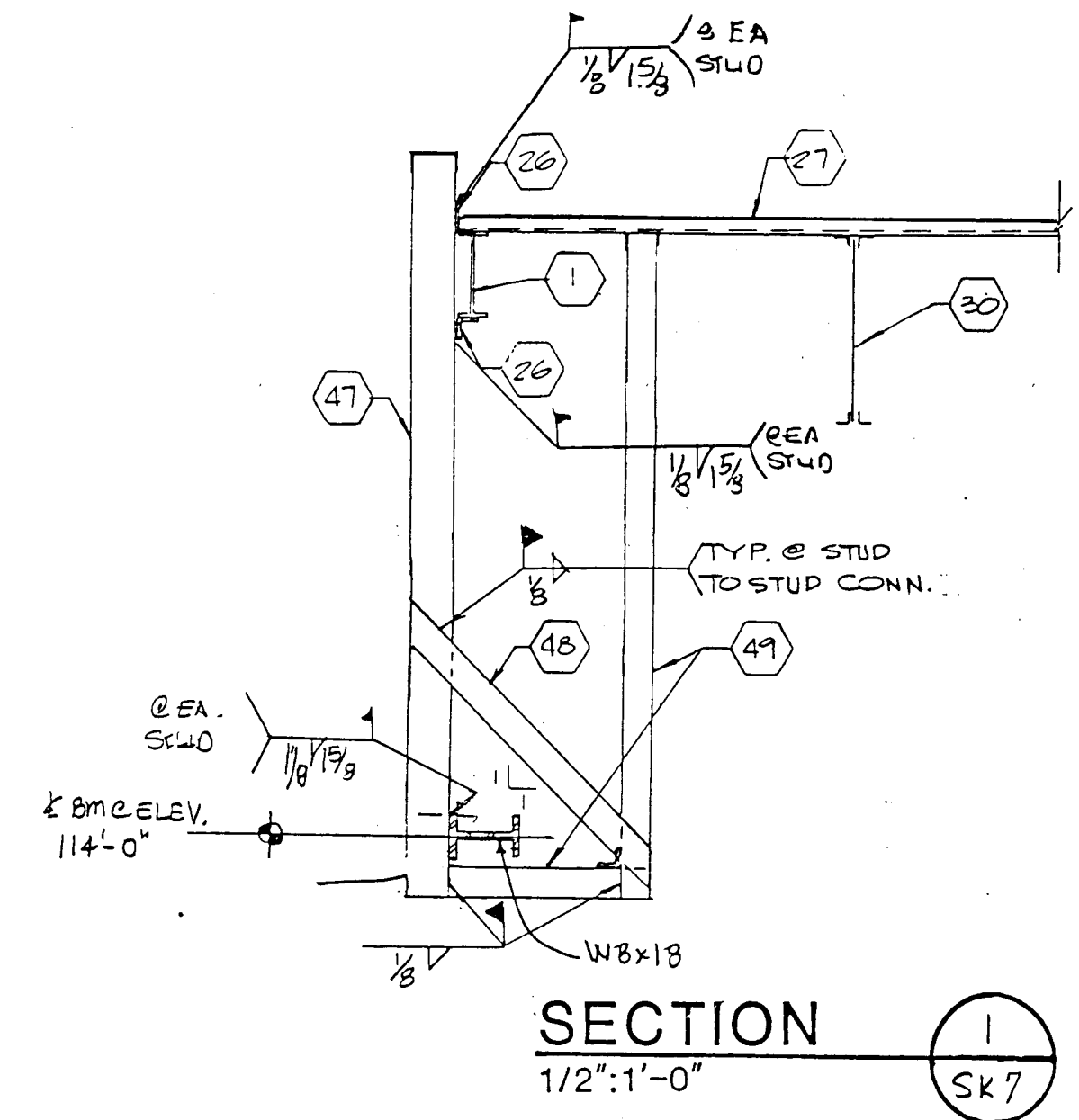
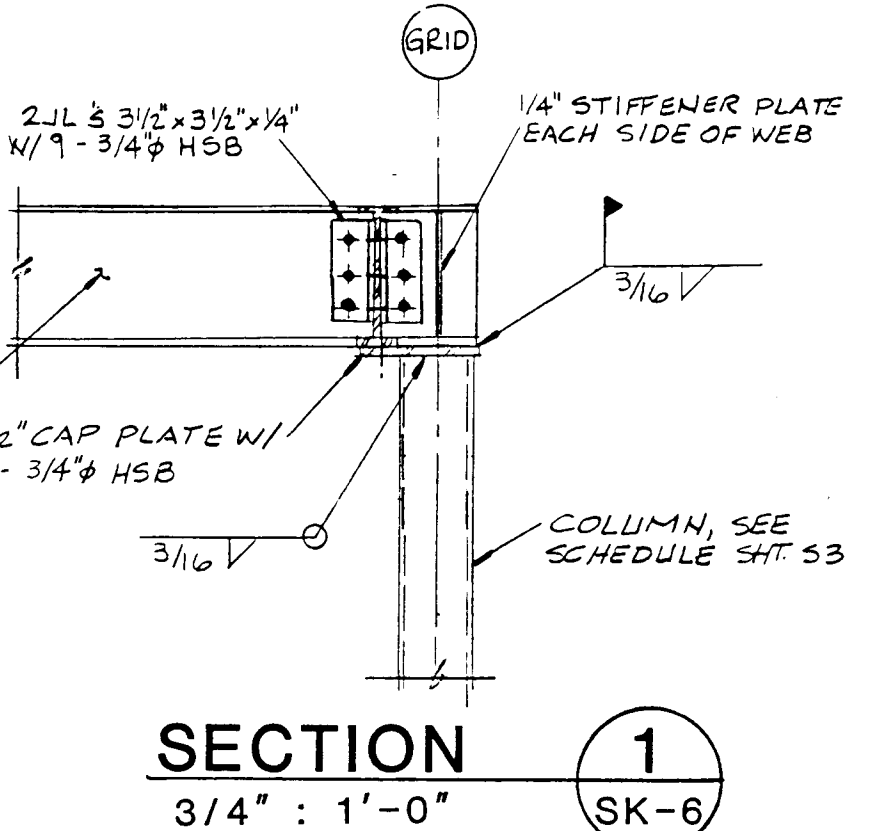
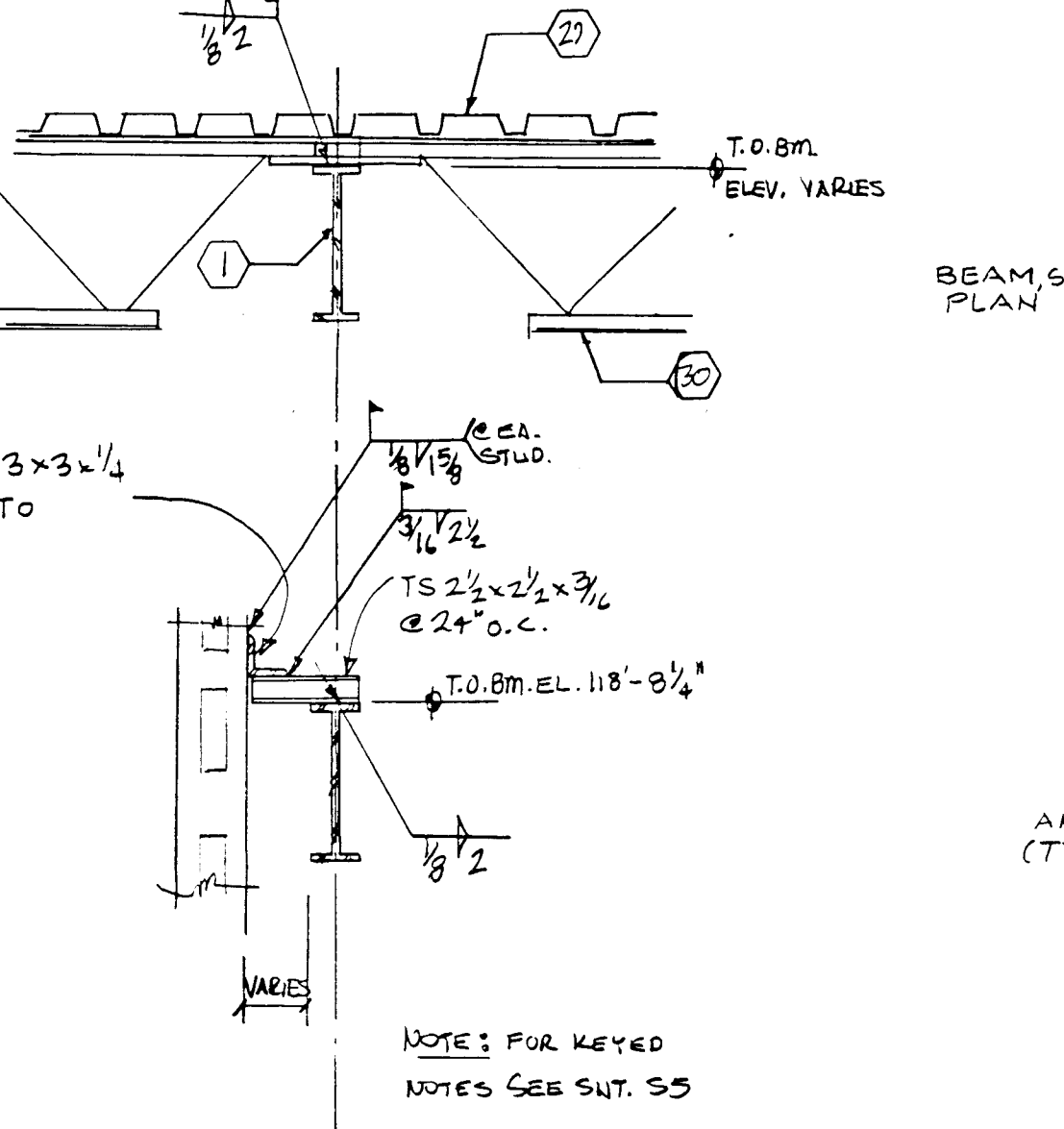
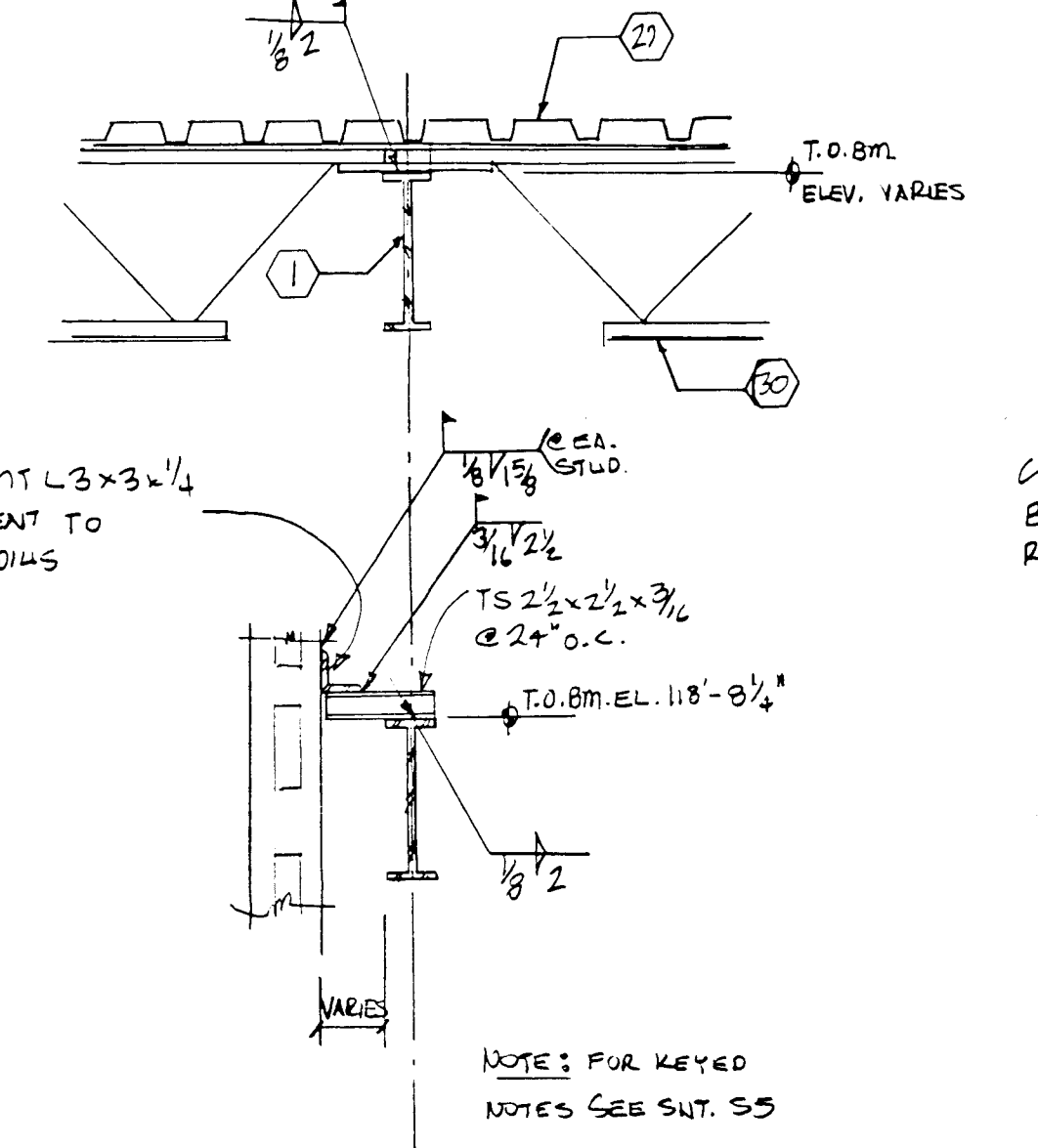
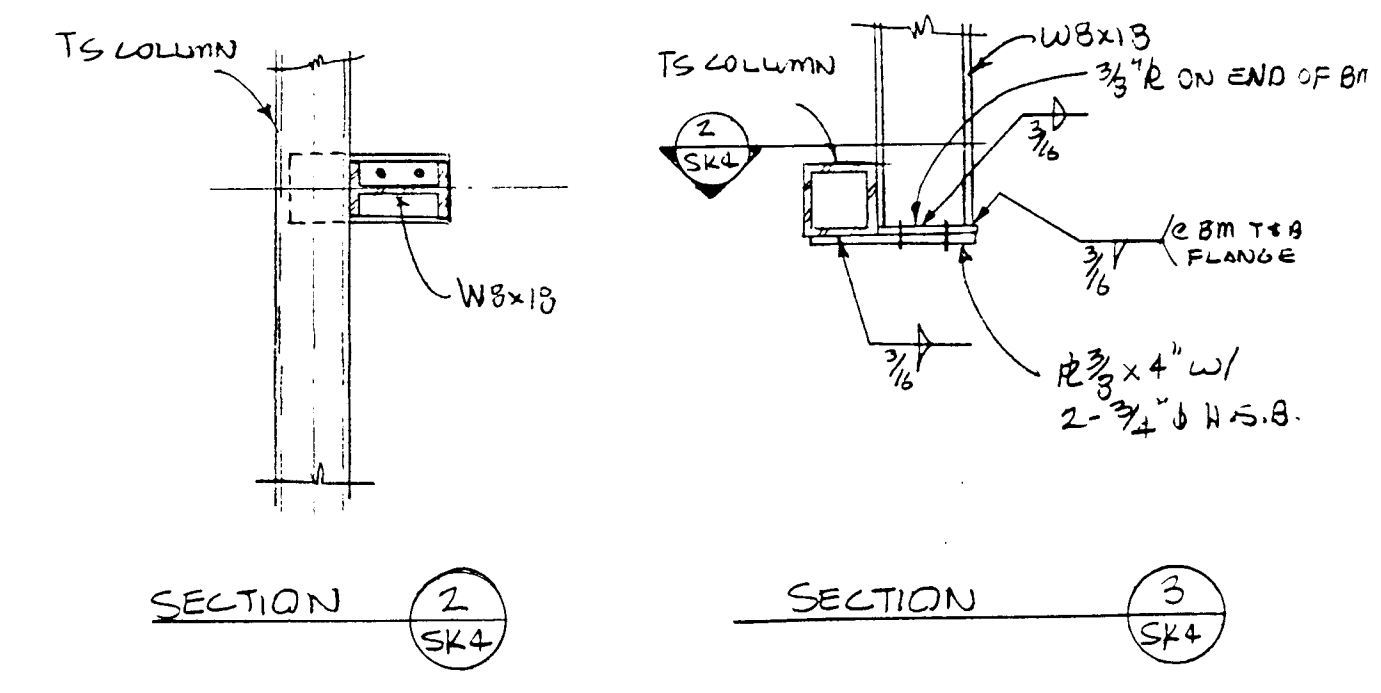
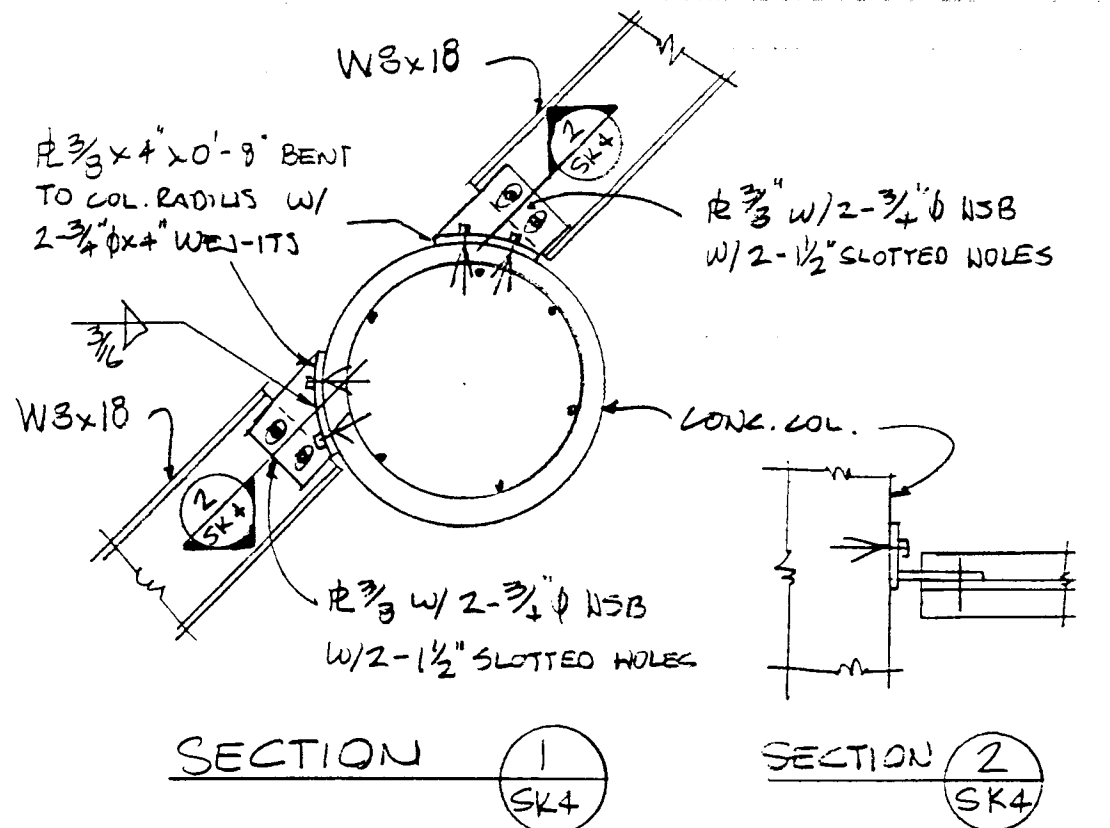
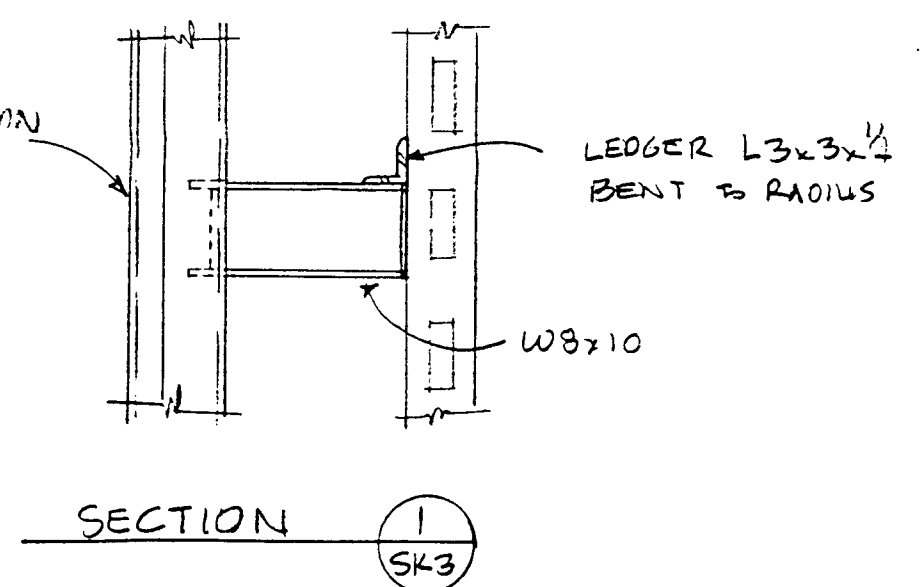
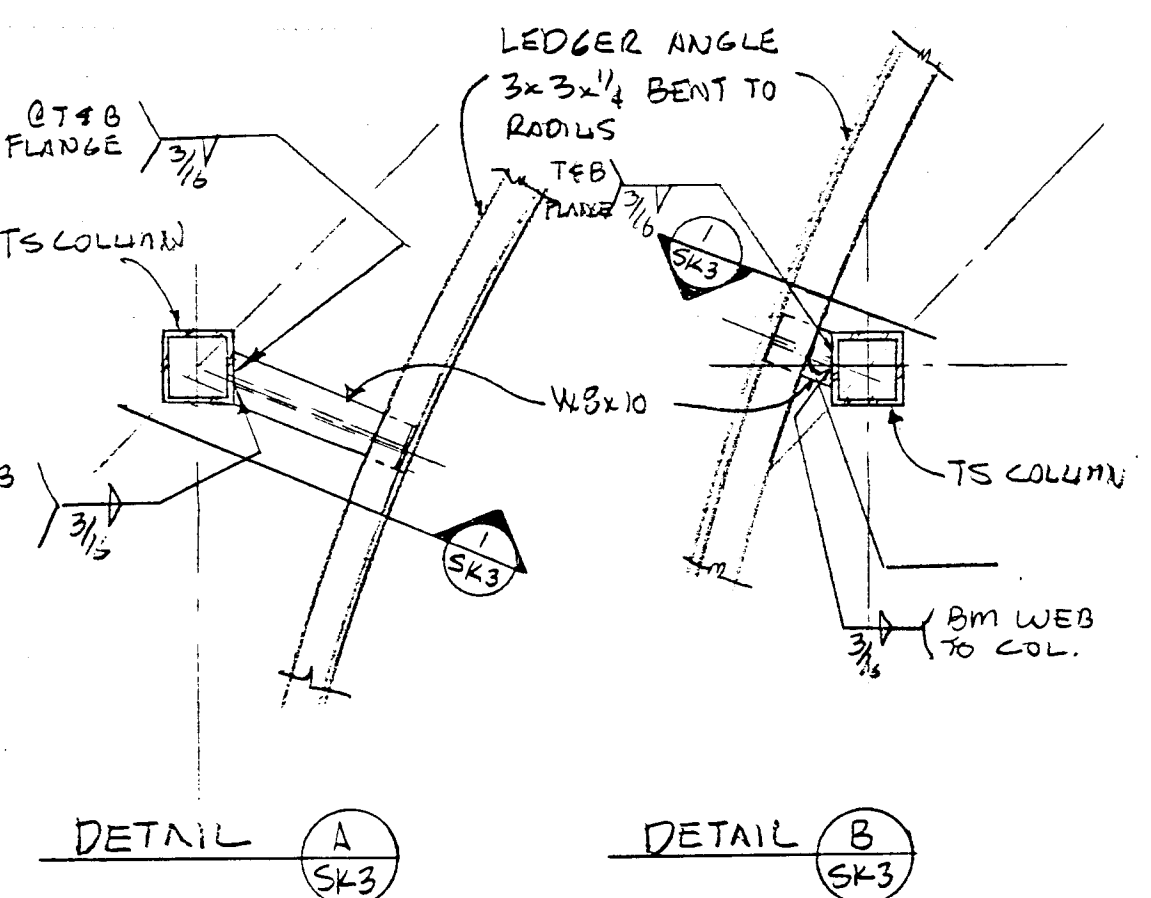
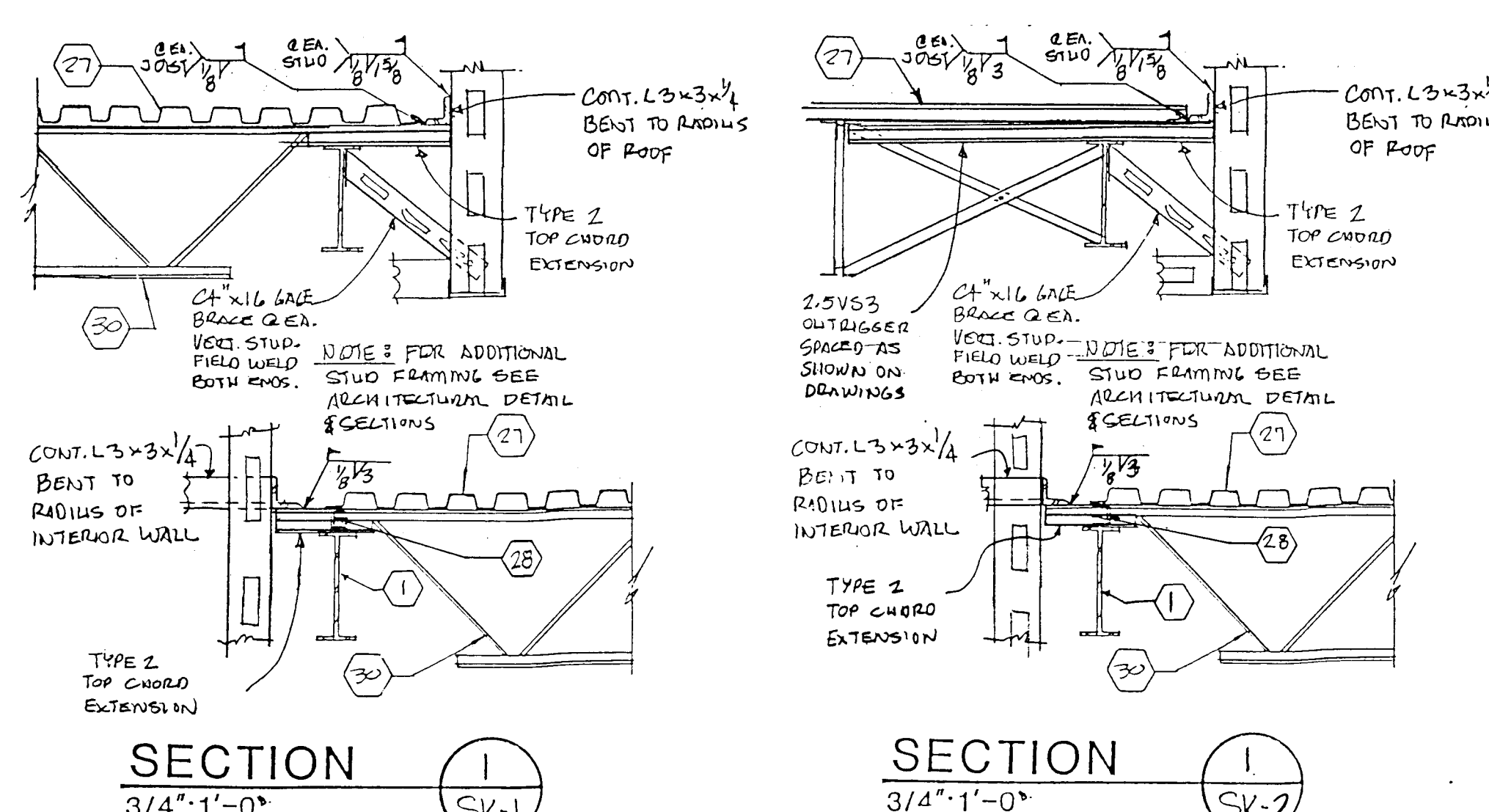
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**SCHEMATIC**  
**PIPER DIAGRAM**

Sheet **E5**  
 34 of 34

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REVISD STRUCTURAL DETAILS

Sheet 55A  
12 of 34A