

FOOTHILLS BRANCH LIBRARY

LOMAS BLVD. AT TRAMWAY BLVD.

CITY OF ALBUQUERQUE PROJECT# 1986

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CITY COUNCIL

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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

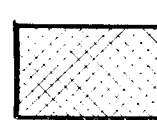
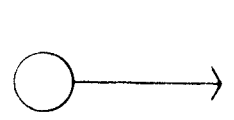
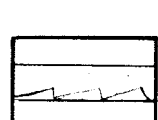
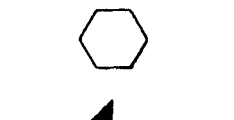
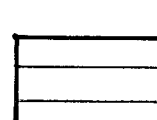
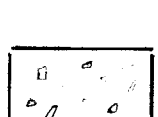
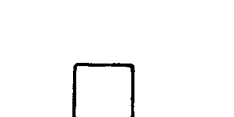
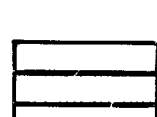
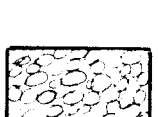
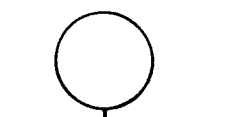
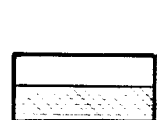
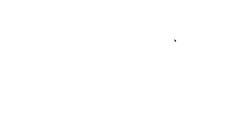
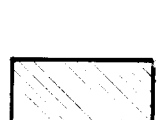
M-1 UTILITIES SITE PLAN, EQUIPMENT
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M-4 MECHANICAL EQUIPMENT PLAN, UNDER
M-5 MECHANICAL PLAN/CAKE-EXHAUST DUCT WORK

ELECTRICAL

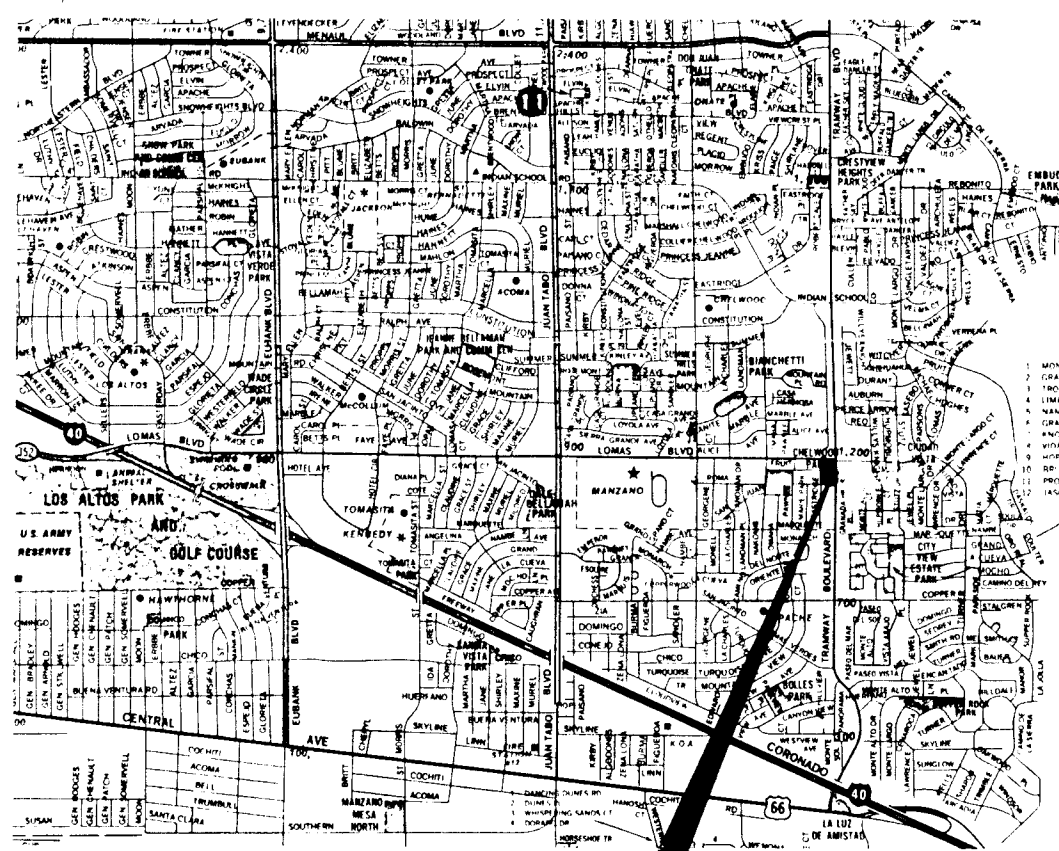
E-1 UTILITIES SITE PLAN
E-2 LIGHTING PLAN
E-3 POWER PLAN
E-4 SPECIAL SYSTEMS
E-5 SCHEDULES, PANEL SCHEDULES

SCHEDULE OF ALTERNATES

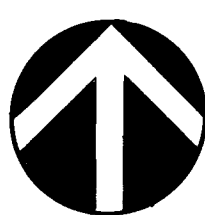
ALT. #1: ART PARK
ALT. #2: BRICK PAVING AT ART PARK
ALT. #3: COURTYARD IMPROVEMENTS
ALT. #4: SPACE FRAME
ALT. #5: FOUNTAIN
ALT. #6: CASEWORK
ALT. #7: WALL ACCENT TILE
ALT. #8: ALUMINUM WINDOWS
ALT. #9: INTEGRATED CEILING
ALT. #10: CRT CADDY
ALT. #11: PAVING ACCENT TILE
ALT. #12: SANDBLAST CONCRETE COLUMNS

	RIGID INSULATION		STEEL		KEYED NOTE INDICATION
	GYP. BOARD		PLASTER		WINDOW KEY
	ACOUSTICAL TILE		EARTH		WALL SECTIONS / REFERENCE DETAILS
	BATT INSULATION		CONCRETE		DOOR NO.
	CERAMIC TILE		GRANULAR FILL		ACCESSORIES KEY
	PLYWOOD		STEEL		COLUMN GRID LINE
	BRICK		CONCRETE BLOCK		

MATERIALS & SYMBOLS KEY



PROJECT SITE



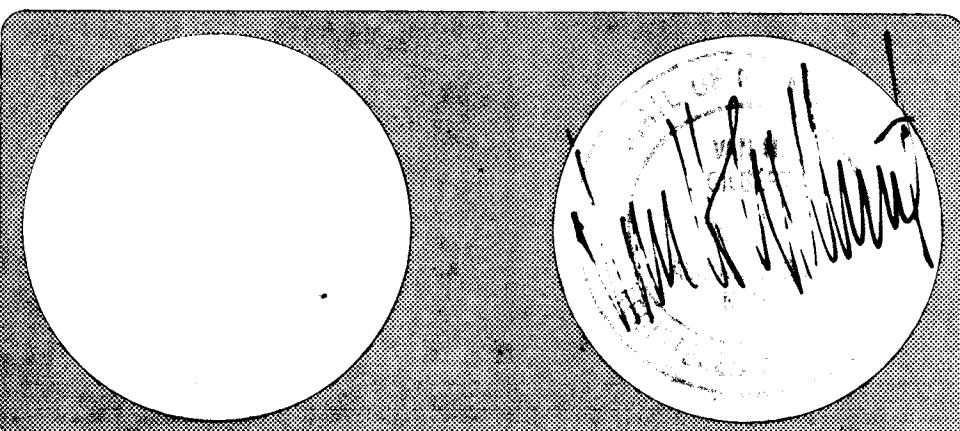
PROJECT LOCATION MAP

LEGAL DESCRIPTION	Lot 5, Chelwood Park Addition Bernalillo County, New Mexico
UNIFORM BUILDING CODE DATA	
Occupancy Type	A 3, B 2
Construction Type	III-N
Seismic Zone	2
Floor Area (Total)	12,860 square feet
Height	26' 6"
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

PROJECT DATA

Proj. # 1986

Van H. Gilbert Architect AIA
Architecture Planning
319 Central NW Suite 201 Albuquerque NM 87102 (505) 247-9855



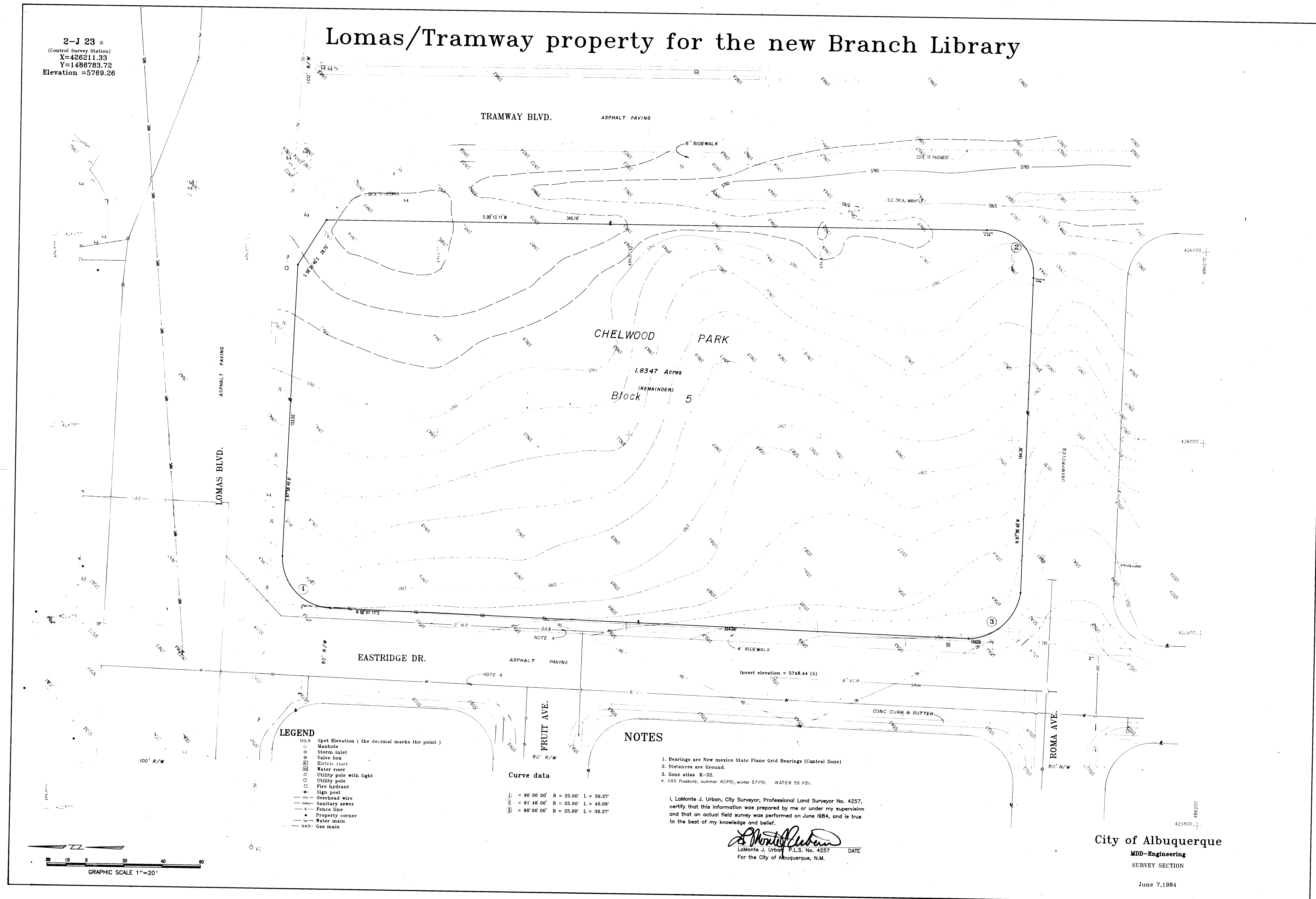
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LOMAS BLVD. AT TRAMWAY BLVD.
ALBUQUERQUE, NEW MEXICO

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GENERAL INFORMATION Sheet G1 of 34

2-J 23
(Control Survey Station)
X=426211.33
Y=1486783.72
Elevation = 5769.26

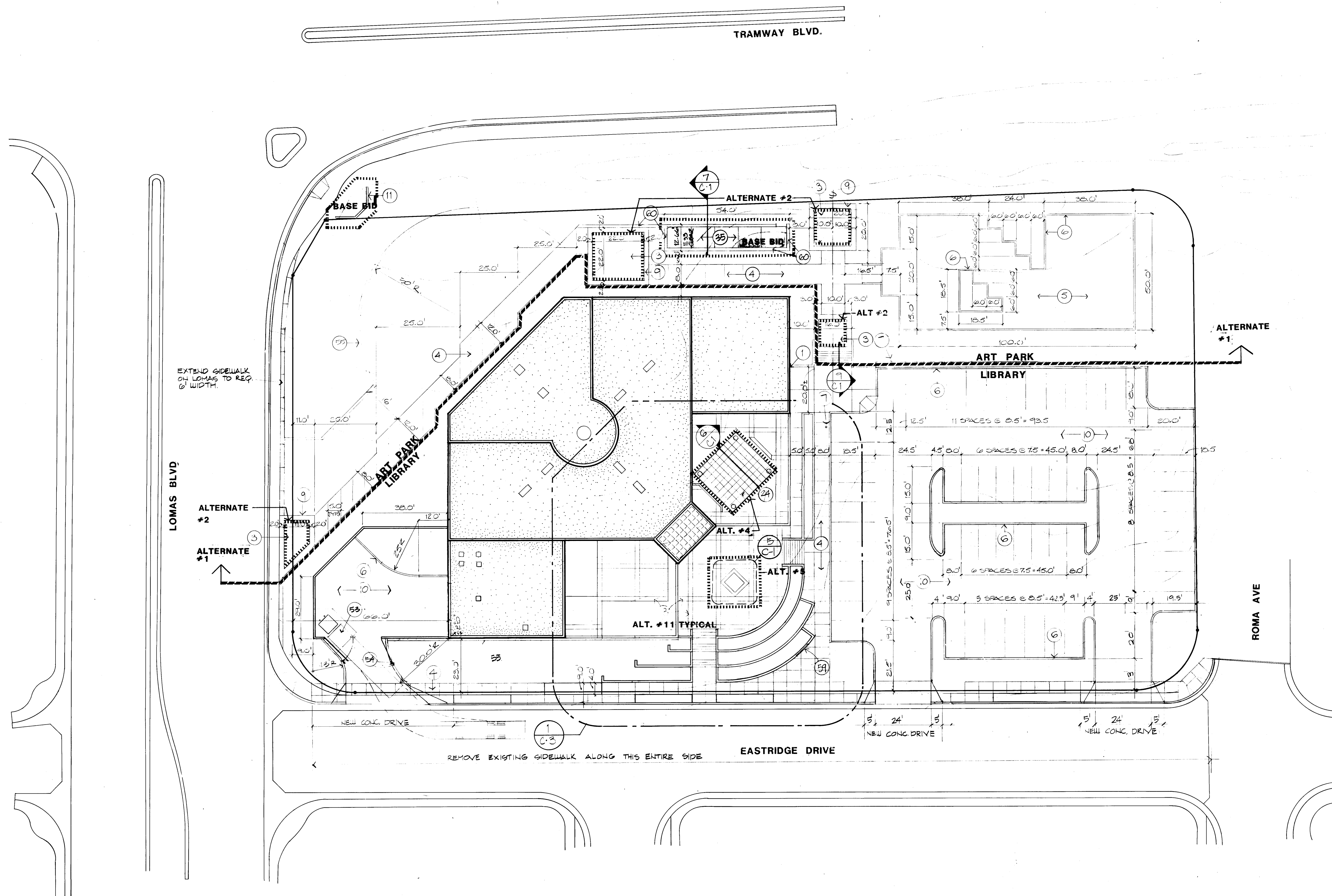
Lomas/Tramway property for the new Branch Library



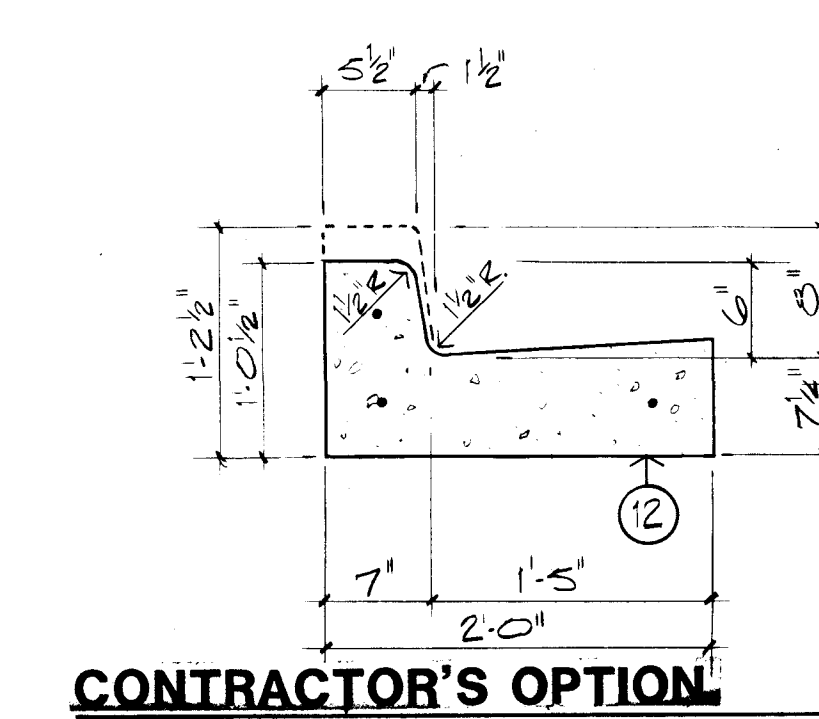
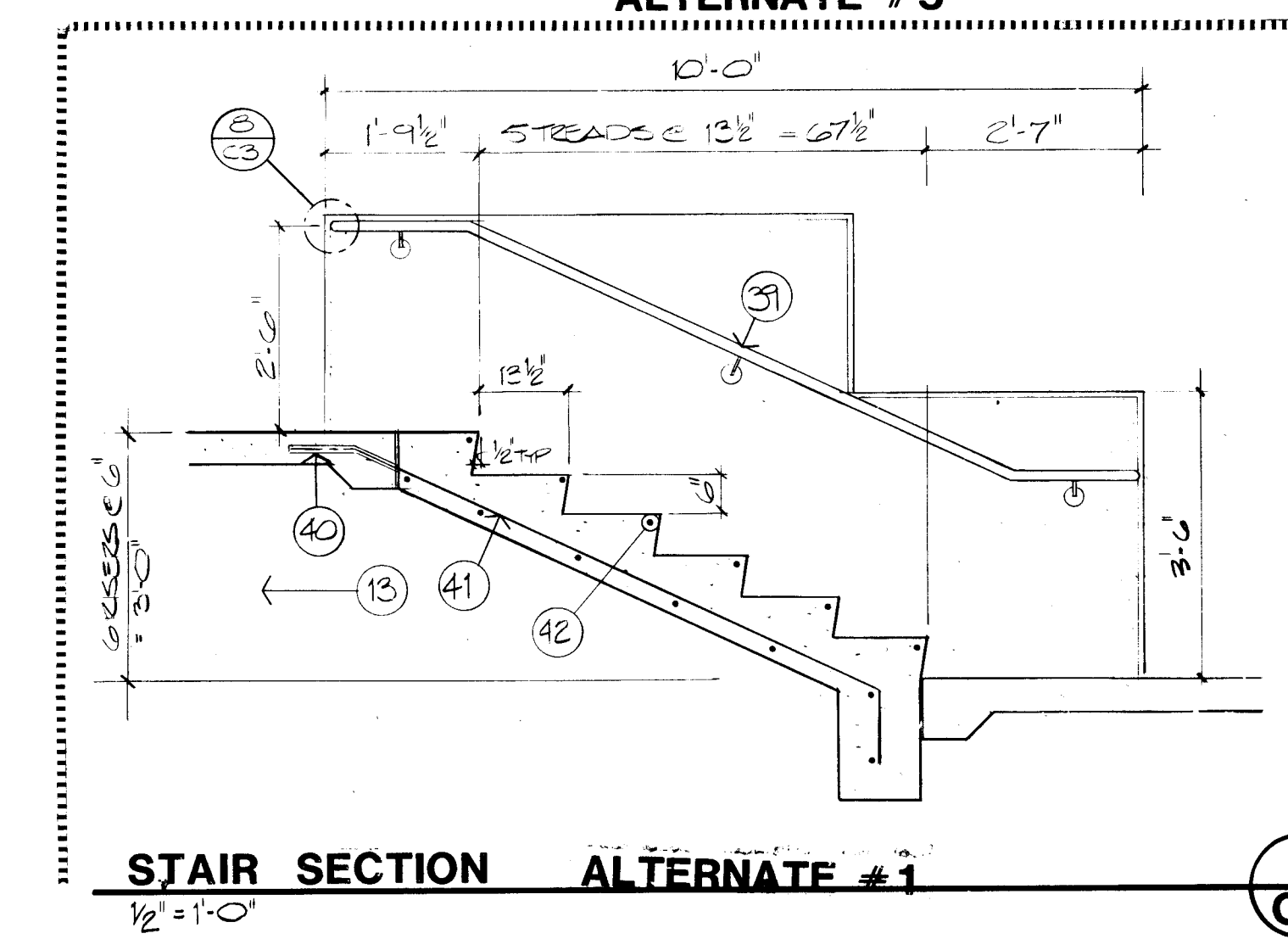
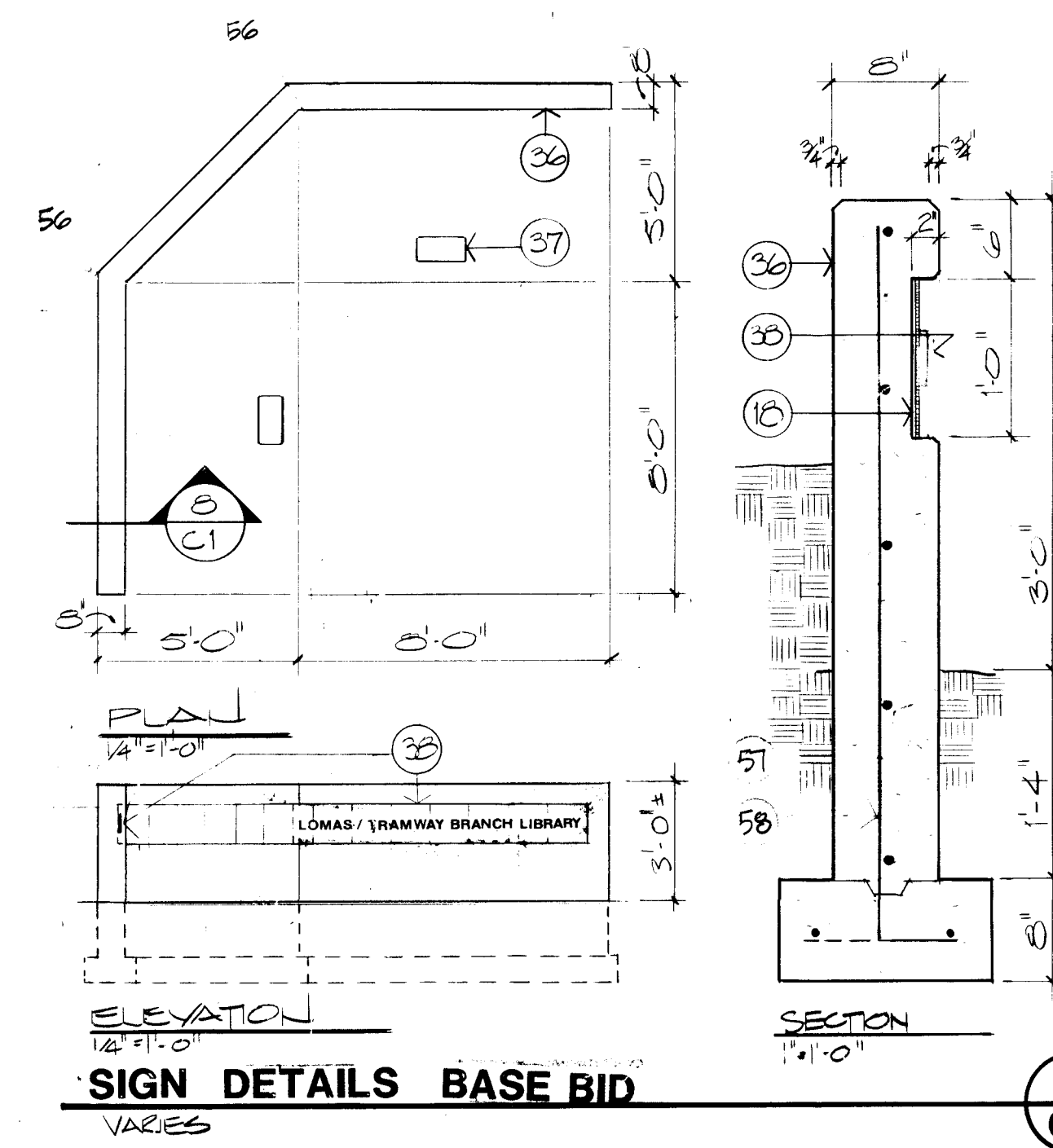
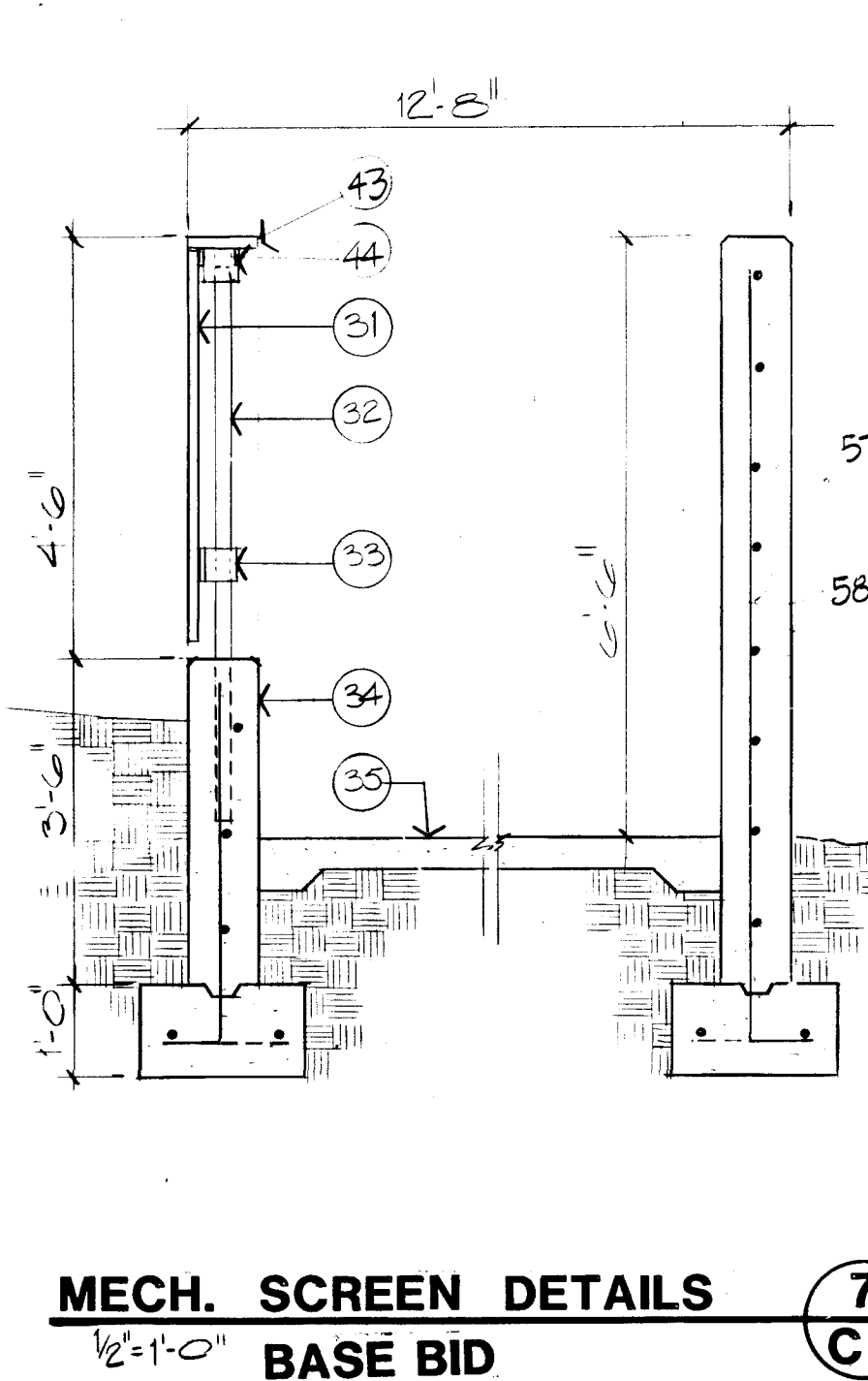
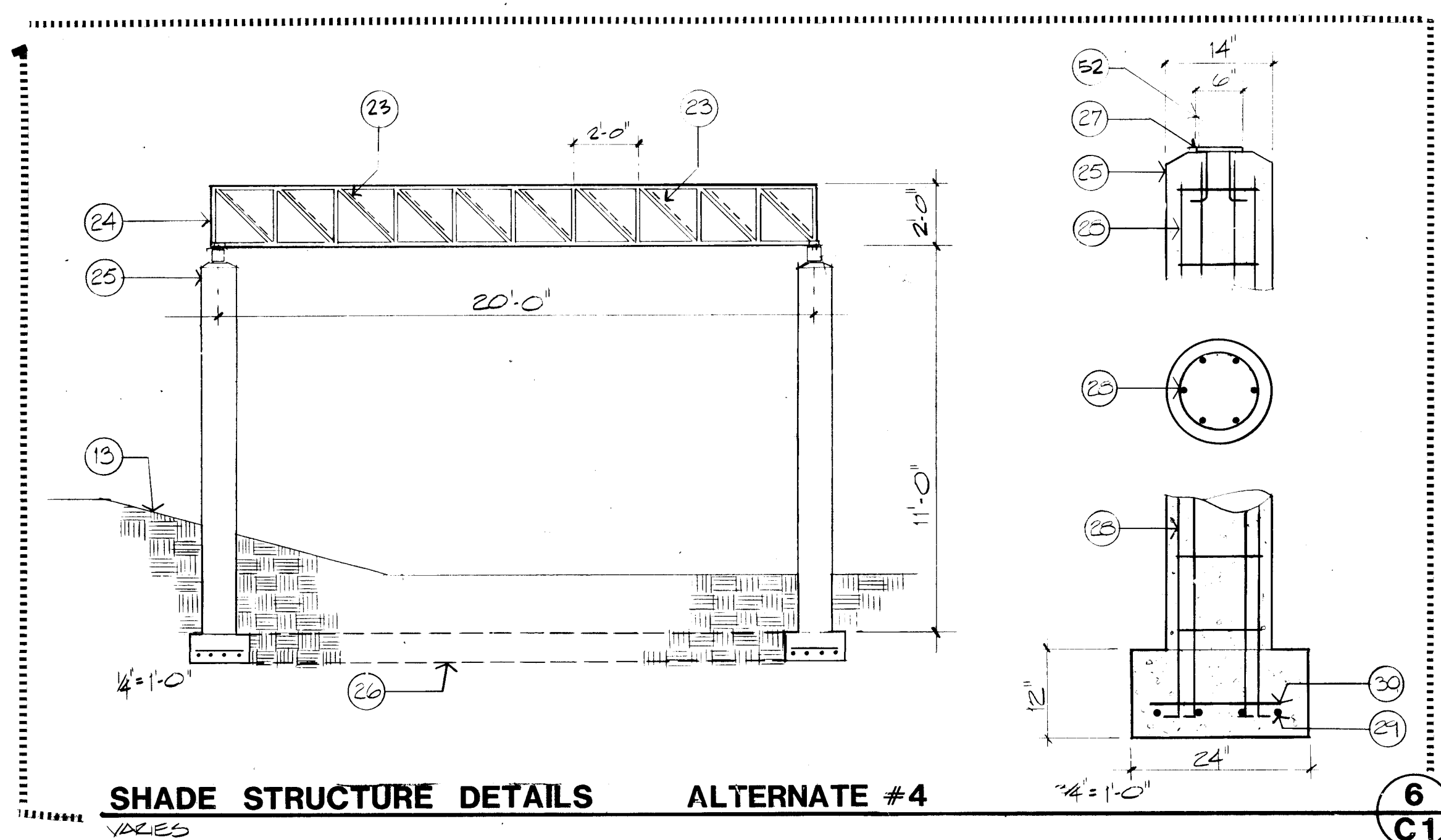
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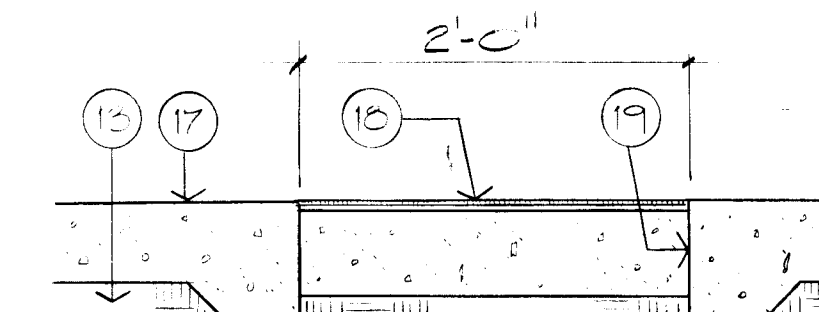
Sheet 2 of 4



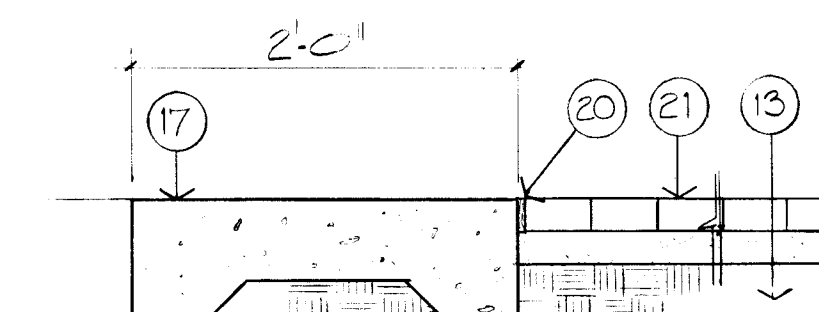
SITE PLAN
1"=20'



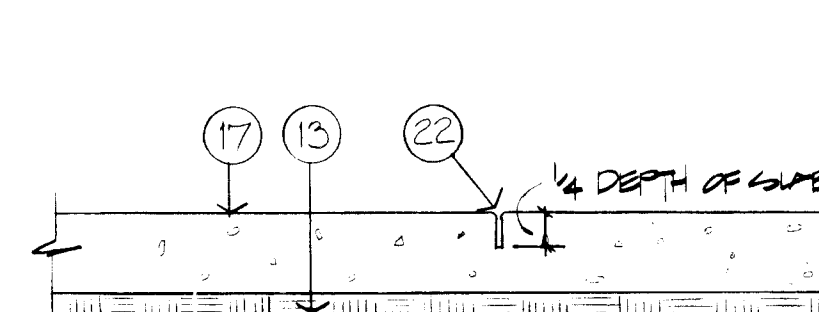
CURB DETAILS **1** **C1**



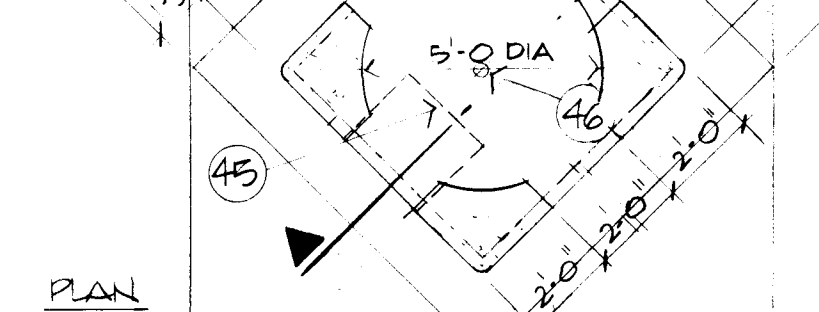
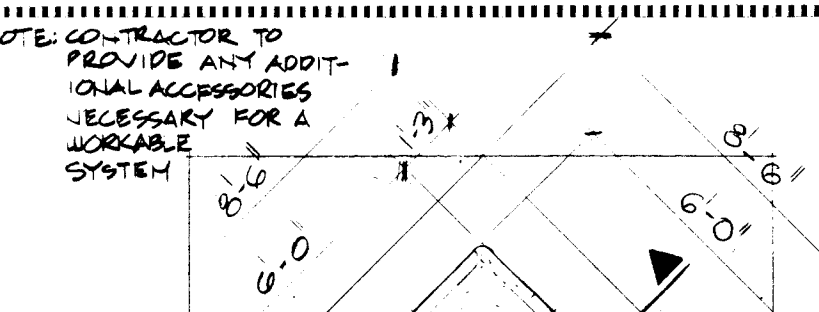
TILE PAVING DETAIL **2** **C1**



PAVING DETAIL **3** **C1**



CONTROL JOINT **4** **C1**



NOTES

- WEST EDGE OF WALL TO LINE UP WITH CENTERLINE OF COLUMN P-22. SEE SOUTH ELEVATION, SH. A-2.
- LINE OF PAVING TO LINE UP WITH NORTH EDGE OF WINDOW OPENING.
- BRICK PAVES ON SAND BED. ALTERNATE #2.
- CONCRETE SIDEWALK.
- 4" OF DECOMPOSED GRANITE.
- 6" CONCRETE CURBING.
- POLE-MOUNTED HANDICAP SIGN.
- CONCRETE CURB AND GUTTER.
- 2'-0" WIDE CONCRETE EDGING. SEE 3/C-1.
- ASPHALT PAVING.
- SIGN. SEE DETAIL 8/C-1.
- CONCRETE CURB AS SPECIFIED.
- COMPACTED BACKFILL AS SPECIFIED.
- DECOMPOSED GRANITE AS SPECIFIED.
- ASPHALT PAVING ON SUB-BASE AS SPECIFIED.
- 5" CONCRETE PAVING.
- THIN SET, NON-SLIP PORCELAIN CERAMIC TILE. ALTERNATE #11. BASE BID - FINE BROOM FINISH CONCRETE PAVING.
- CONCRETE BOND BREAKER.
- 1/2" EXPANSION JOINT.
- CONCRETE SLAB WITH EXPOSED AGGREGATE FINISH - BASE BID.
- 1/4" TOOLED CONTROL JOINT.
- PANELS AS SPECIFIED.
- SPACE FRAME AS SPECIFIED.
- 14" DIA. CONCRETE COLUMN; SEE DETAIL 6/C-1.
- CONTINUOUS FOOTING.
- 6" X 6" X 1/4" STANDARD SPACE FRAME MOUNTING PLATE.
- 4 - #5 REBAR WITH #3 TIES AT 10" OC.
- 4 - #5 CONTINUOUS.
- #3 REBAR AT 36" OC.
- 1 X 3 REDWOOD WITH 1/4" SPACING.
- 2" DIA. GALVANIZED STEEL PIPE.
- 4 X 4 REDWOOD BOTTOM STRINGER.
- 8" CONCRETE STEM WALL.
- 5" CONCRETE SLAB.
- 8" CAST-IN-PLACE CONCRETE WALL.
- SIGN LIGHTING; SEE ELECTRICAL.
- 3" HIGH CAST ALUMINUM LETTERS; HELVETICA MEDIUM.
- 1-1/2" DIAMETER PIPE HANDRAIL.
- #4 REBAR IN SLEEVE.
- #4 REBAR AT 16" OC EACH WAY.
- #4 REBAR AT MOSING. TYPICAL.
- 2 X 6 REDWOOD CAP.
- 4 X 4 FOR STRINGER.
- PUMP LIGHT.
- FOUNTAIN NOZZLE. KIM H220-35 OR EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- CAST-IN-PLACE CONCRETE FOUNTAIN STRUCTURE.
- POURTE WATERPROOF JOINT (J.P.T.) & GORD SEAL (J-22-1).
- SUBMERGIBLE PUMP. KIM KAPRO 1/2 HP OR EQUAL.
- COMBINATION WATER LEVEL CONTROL & LOW WATER CUTOFF DEVICE.
- WATER LEVEL.
- 6" X 6" X 1/2" STEEL TUBE SECTION WELDED TO STEEL MOUNTING PLATE. ENDS OF TUBE SECTION TO BE CAPPED W/STEEL CLOSURE PLATE. ISOLATE STEEL FROM ALUMINUM SPACE FRAME.
- CONC. APRON FOR TRASH BIN. INSTALL PER CITY STANDARDS.
- CANE BOLT SLEEVE TO BE ANCHORED INTO CONC. CURB. SEE BARNHART SPEC FOR CANE BOLT DIA.
- 1'-0" WIDE CONC. MON STRIP.
- CONTROL JOINTS.
- HORIZONTAL REINFORCING - #4 REBAR @ 12" O.C. MAX.
- VERTICAL REINFORCING - #4 REBAR @ 36" O.C.
- W/ALTERNATE BIDS.
- LIBRARY SIGN RECESSED INTO CONCRETE PLANTER WALL. SIMILAR TO DETAIL 8/C-1 WITH INSET TILE AND 6" CAST ALUMINUM LETTERS.
- APPROX. 6 FT HIGH 'B' CONC. WALL. SEE C-4 FOR TOP OF WALL ELEVATIONS.

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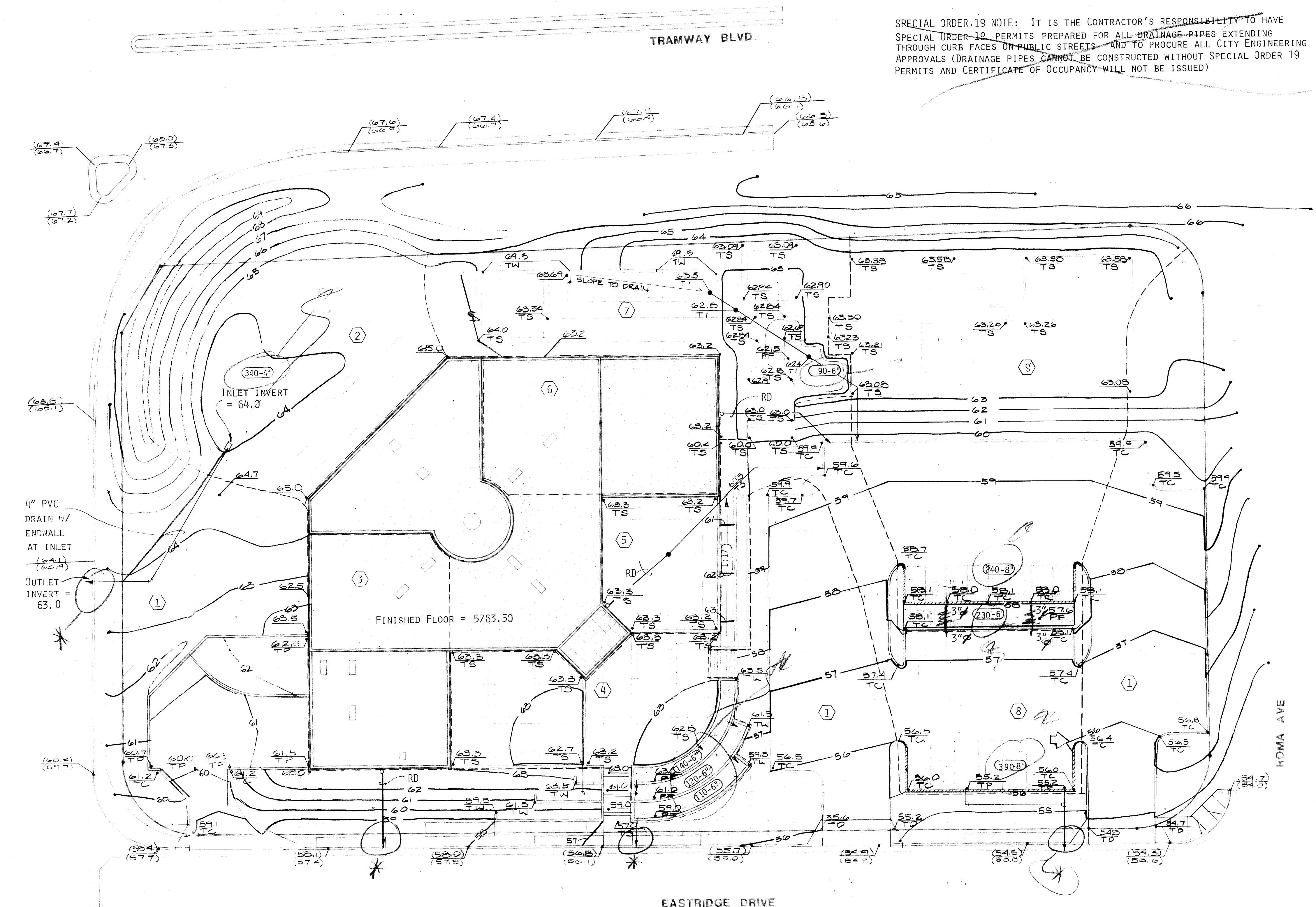
Van H. Gilbert Architect AIA

Architect
399 Lomas Blvd., N.E., Albuquerque, NM 87102 (505) 247-5955

Date: 1/2/86 Drawn by: JMG

SITE PLAN 1986 **C1** 3

BENCH MARK (SEE NOTE B)



SPECIAL ORDER 19 NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE SPECIAL ORDER 19 PERMITS PREPARED FOR ALL DRAINAGE PIPES EXTENDING THROUGH CURB FACES ON PUBLIC STREETS AND TO PROCURE ALL CITY ENGINEERING APPROVALS (DRAINAGE PIPES CANNOT BE CONSTRUCTED WITHOUT SPECIAL ORDER 19 PERMITS AND CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED)

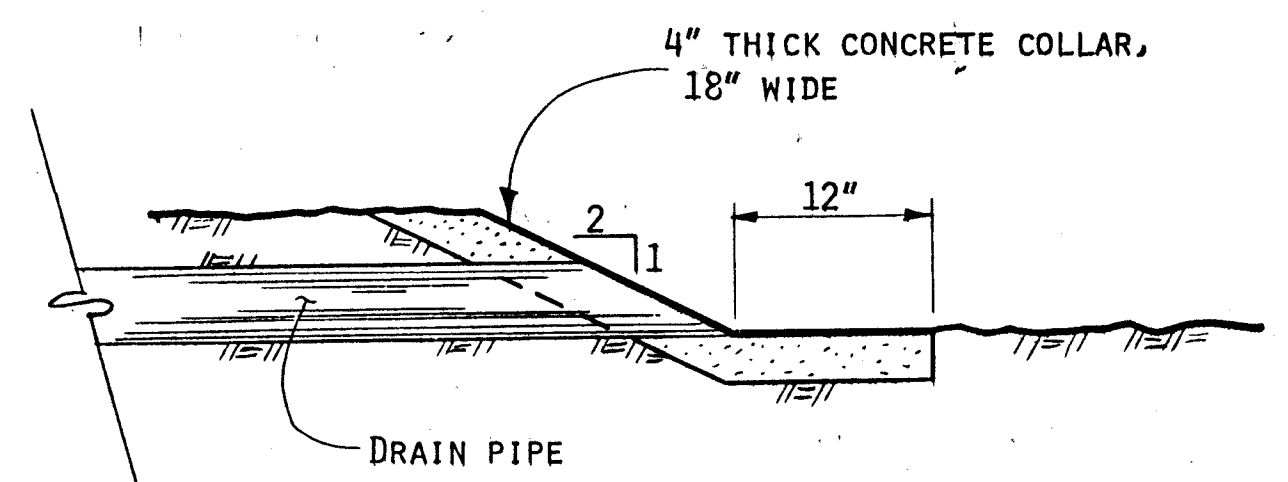
LEGEND

- 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 WALK 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
- WHEELCHAIR RAMP W/ SLOPE
- DRAINAGE INLET
- EXISTING ELEVATION *
- DETENTION POND FLOOR ELEVATION
- DETENTION POND
- 1ST FIGURE INDICATES PONDING VOLUME IN CUBIC FEET
- 2ND FIGURE INDICATES PONDING DEPTH IN INCHES AT DEEPEST POINT
- DRAINAGE SWALE
- 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 I FOR POND SURFACE ELEVATION)

*TOP FIGURE IS TOP OF CURB ELEVATION; BOTTOM FIGURE IS FLOWLINE ELEVATION

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 shall be in accordance with City Standard Detail K-15. An alternate plan must be submitted for review if not constructed.

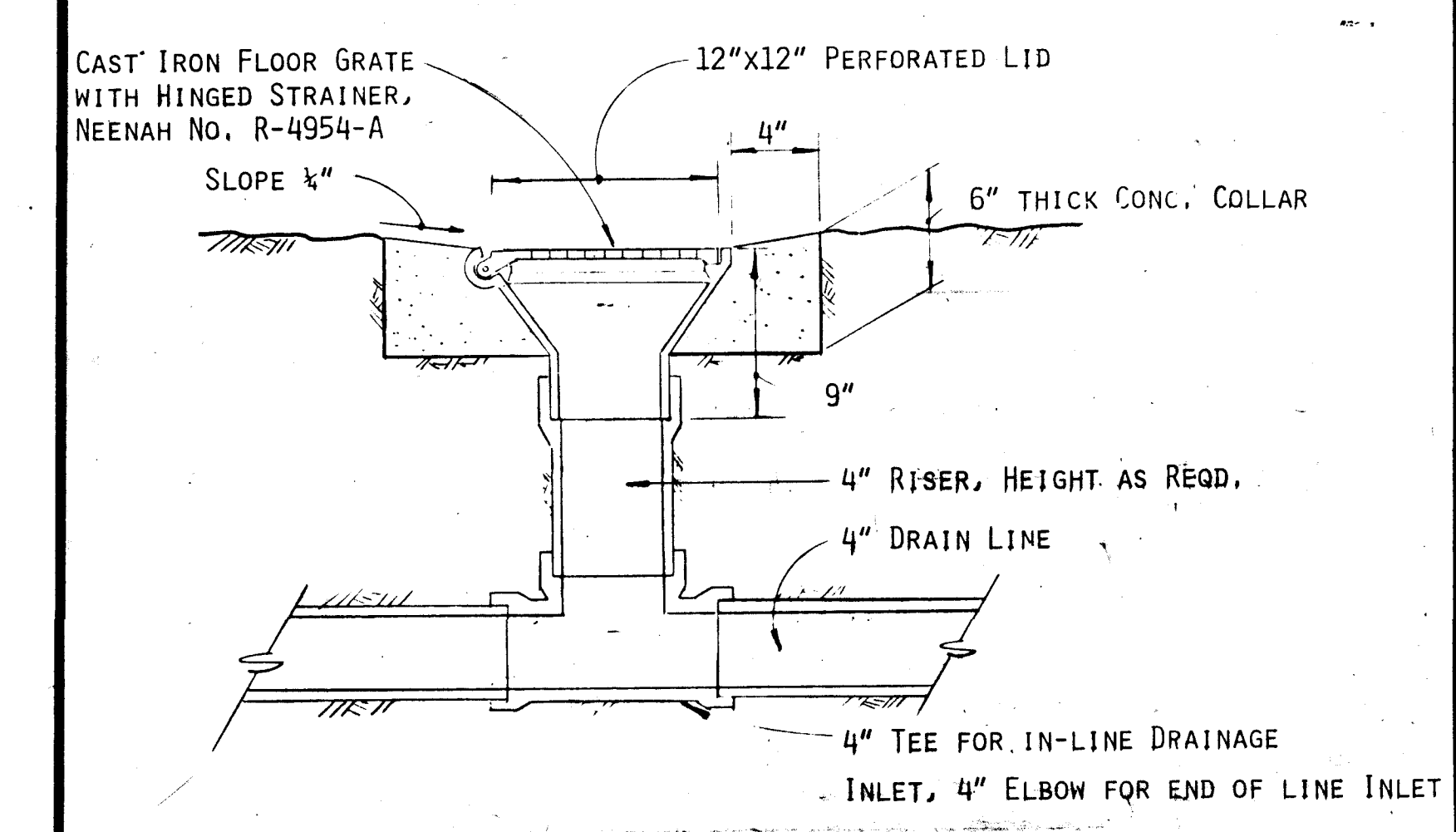
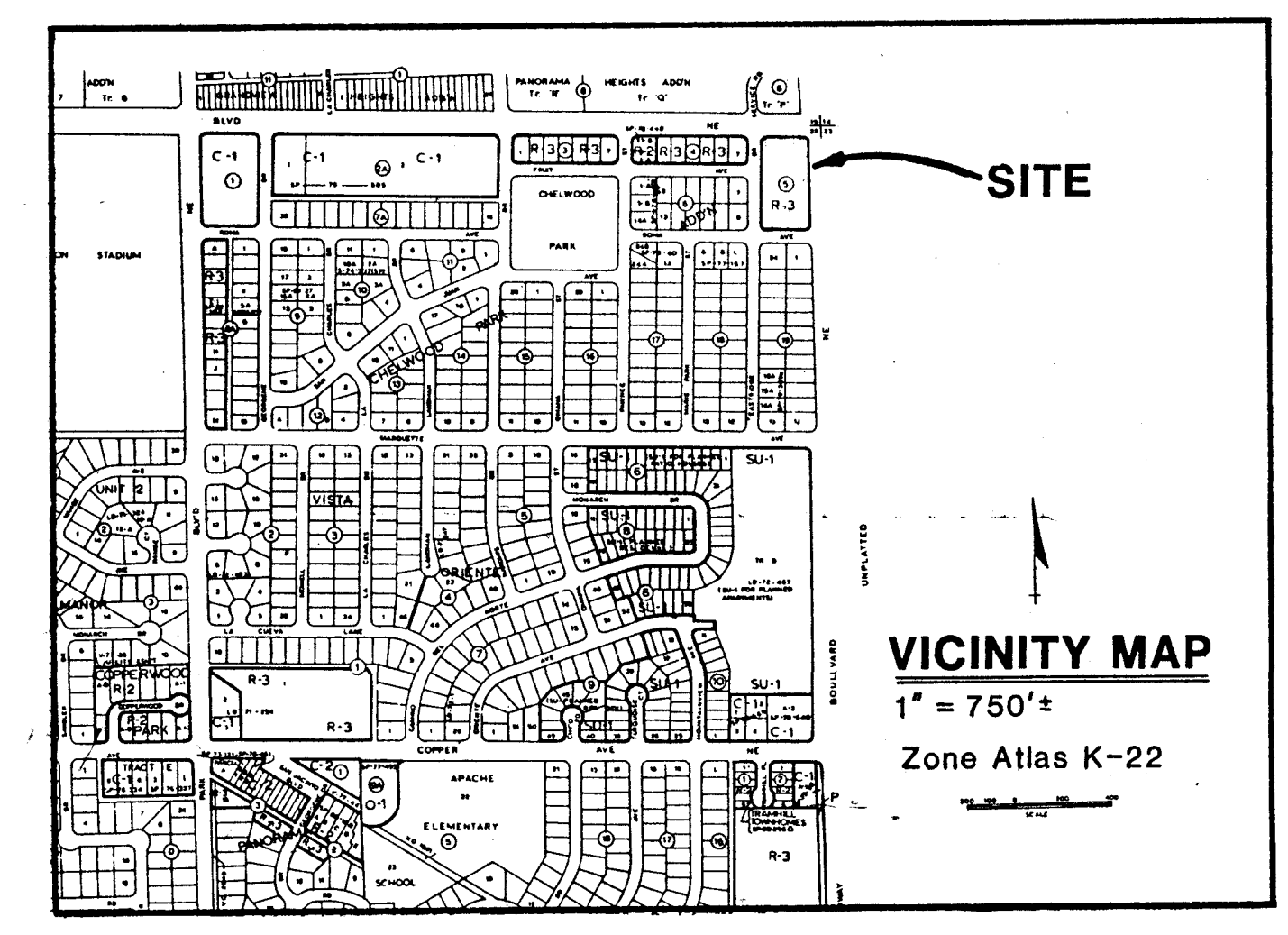


Drain Pipe Endwall

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

SITE GRADING AND DRAINAGE PLAN

SCALE: 1" = 20'
LAST PLAN REVISION: 1/86



DRAINAGE INLET DETAIL

NO SCALE

M. RUNOFF CALCULATION TABLE.

Area No.	% Impervious	C	I (in/hr)	P (ft.)	Area (sf)	Q, uncontrolled (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	"	"	25,090	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	0.79	"	"	6,940	0.7	0.3	2,040
9	35	0.50	"	"	12,970	0.8	0.4	1,360

Developed Q_{100} = Controlled Q's from Areas 1, 2, 3, 4, & 8
= 2.0 + 0.3 + 0.2 + 0.3 + 0.3 = 3.1 cfs, < 3.4 cfs OK

DRAINAGE CALCULATIONS

- LEGAL DESCRIPTION. BLOCK 5, CHELWOOD PARK ADDITION
- BENCH MARK. ACS CONTROL STATION 2-125, LOCATED INSIDE MONUMENT BOX IN MEDIAN OF TRAMWAY BLVD. ON NORTH SIDE OF INTERSECTION WITH LOMAS BLVD. ELEVATION: 5769.26
- 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.
- DOWNSTREAM CAPACITY. FLOWS LEAVING THE PROPERTY PROCEED ON EASTRIDGE DRIVE, ROMA AVENUE, PAMTEE STREET, SAN JUAN AVENUE, GROVER DRIVE, TO INLETS AT THE NORTHEAST CORNER OF HARQUETTE AND CHELWOOD PARK BLVD. ANY INLET OVERFLOW PROCEEDS SOUTH ON CHELWOOD. THERE IS AN EXISTING 34" 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 DOWNSTREAM DRAINAGE FACILITIES. SINCE THE PROPERTY IS THE MOST DISTANT FROM THE CHELWOOD STORM SEWER, DETAINING THE FLOWS WILL ASSIST IN ALLEVIATING ANY FLOODING PROBLEMS DOWNSTREAM.
- DETENTION POND VOLUME CALCULATIONS.

NOTE: THE TOP OF POND SURFACE ELEVATION IS SHOWN ENCLOSED THUS:

POND LOCATION	CONTOUR	AREA (sq. ft.)	VOLUME BETWEEN CONTOURS (cu. ft.)
Art Park	62.5 (62.5)	180	90
East Parking Lot	57.33 (58.0)	720	240
East Parking Lot Divider	57.6 (58.1)	488	230
West Parking Lot	55.23 (55.73) (55.9)	910 (1030)	230 (160) (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
Area (2)	64.0 (64.3)	2,250	340

J. DRAIN PIPE CAPACITY.

SHORT PIPES (THROUGH WALLS): ORIFICE FORMULA, $Q = CA \sqrt{2gh}$, FOR "SHORT TUBES". USE $C = .62$ (KING, P. 56)

TABULATION OF CALCULATIONS:

HEAD (IN)	Q (cfs) FOR PIPE DIAMETERS 3" DIA.	Q (cfs) FOR PIPE DIAMETERS 4" DIA.
4	.19	.33
5	.21	.37
6	.23	.41

LONG PIPES: ORIFICE FORMULA FOR CULVERTS, $Q = CA \sqrt{2gh}$, 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.	Q (cfs) FOR PIPE DIAMETERS 4" DIA.
4	.15	.28
5	.16	.31
6	.18	.34

ROOF DRAINS: ORIFICE FORMULA FOR CIRCULAR HOLES, $Q = CA \sqrt{2gh}$, $C = 0.6$. FOR 3" PIPE WITH 3" HEAD, $Q = 0.24$ cfs.

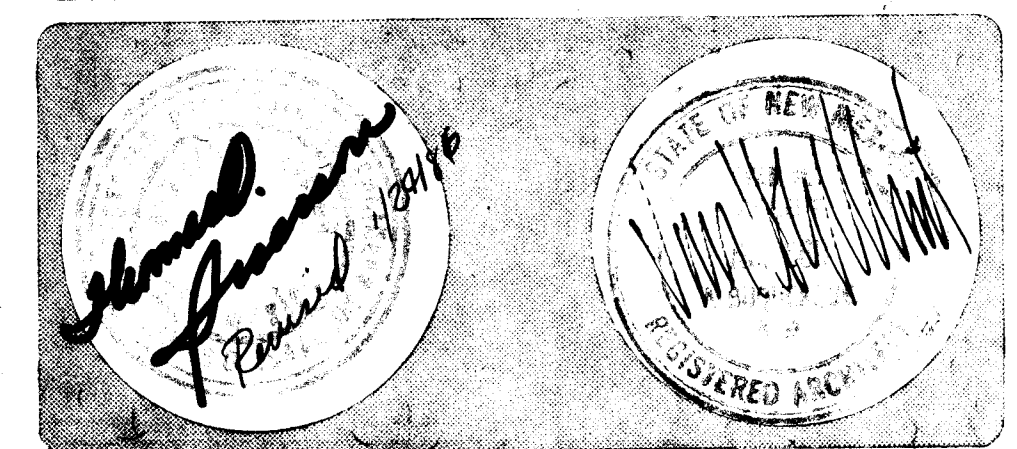
K. RAINFALL, P & I.

P = 6 HR. RAINFALL VOLUME = 2.5" (DPI, 22.2 D-1)
 $1100 = 2.5 \times 2.2 = 5.5"/hr$ (DPI, 22.2 D-2)

L. ROMA AVENUE STREET GRADES. THE ARCHITECT HAS REQUESTED THE CITY ENGINEERING DEPARTMENT TO ESTABLISH STREET GRADES FOR THE UNPAVED PORTION OF ROMA AVENUE.

M. RUNOFF CALCULATION TABLE. (SEE TABLE TO LOWER LEFT.)

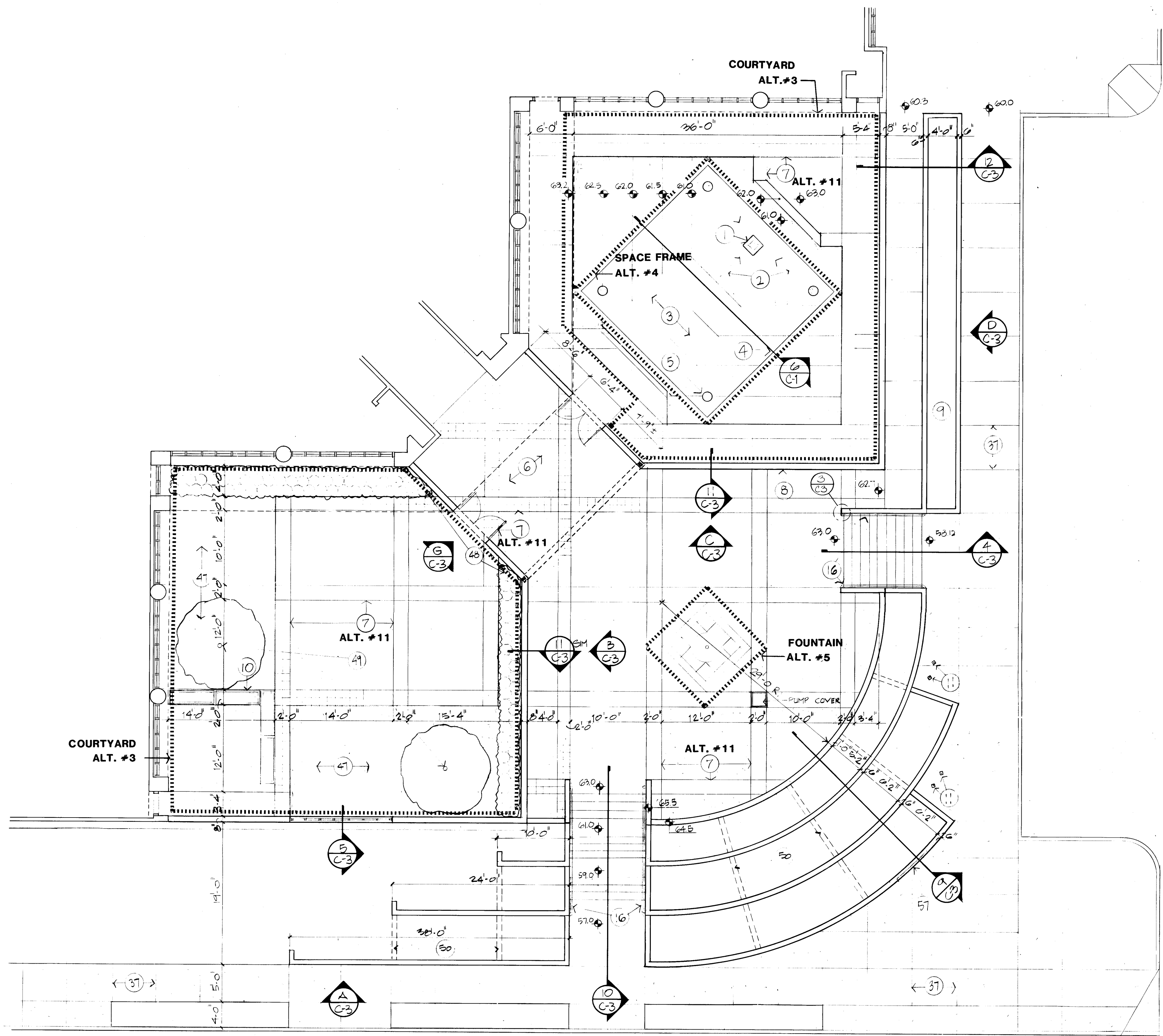
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Planning



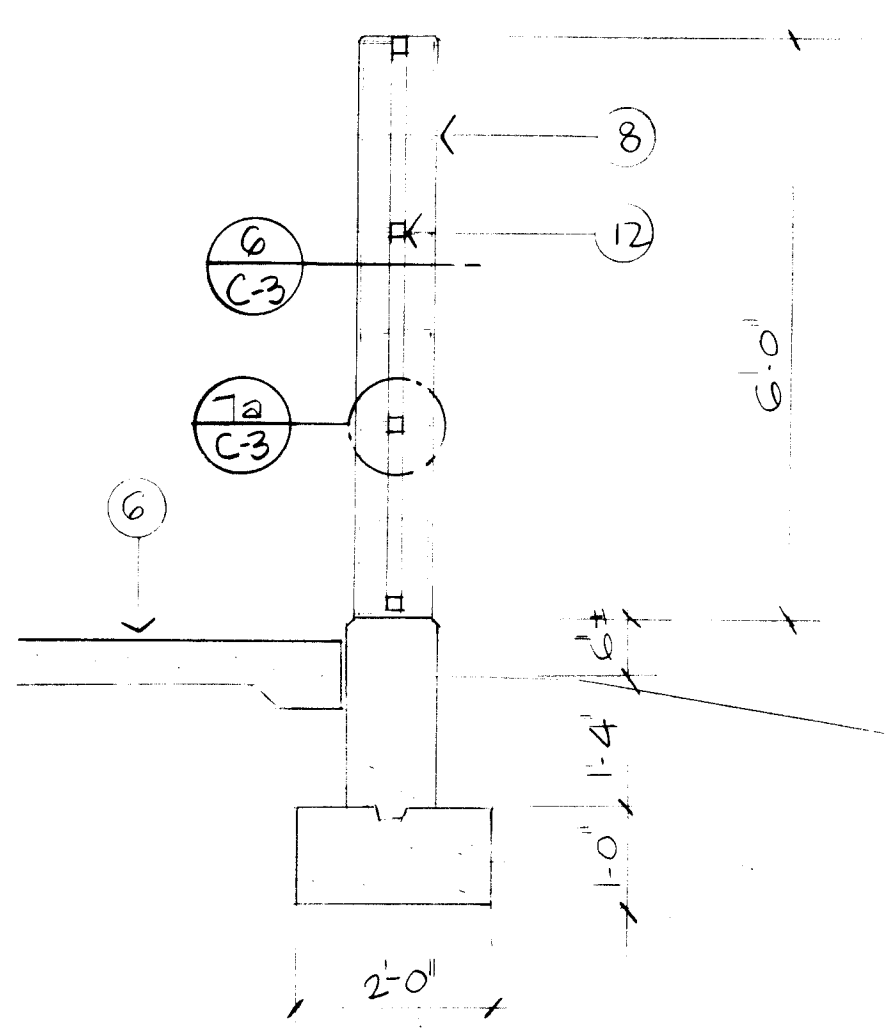
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ALBUQUERQUE NEW MEXICO

Date 1/2/86 Drawn By

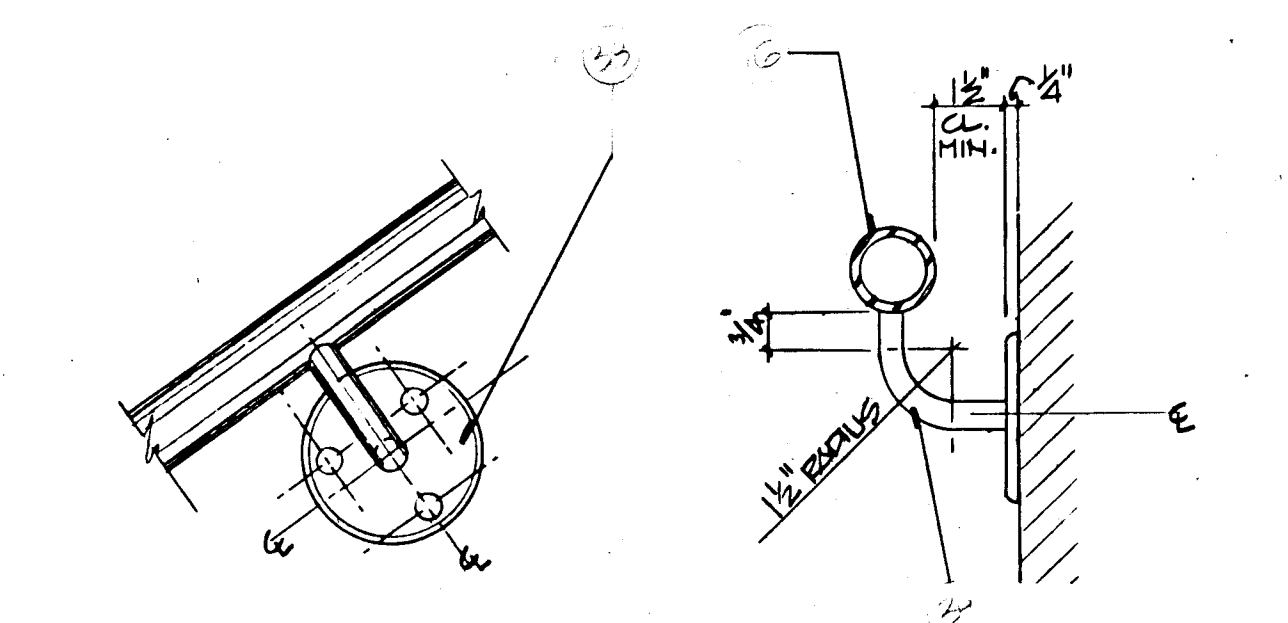
SITE GRADING AND DRAINAGE PLAN
1986
Sheet C2 of 34



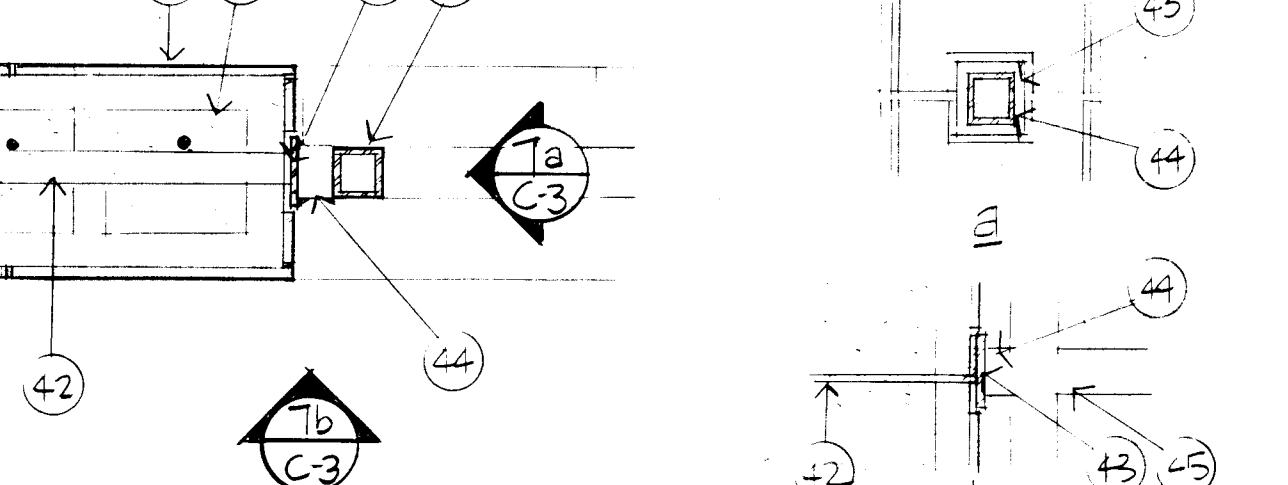
ENLARGED COURTYARD PLAN
1/8" = 1'-0"



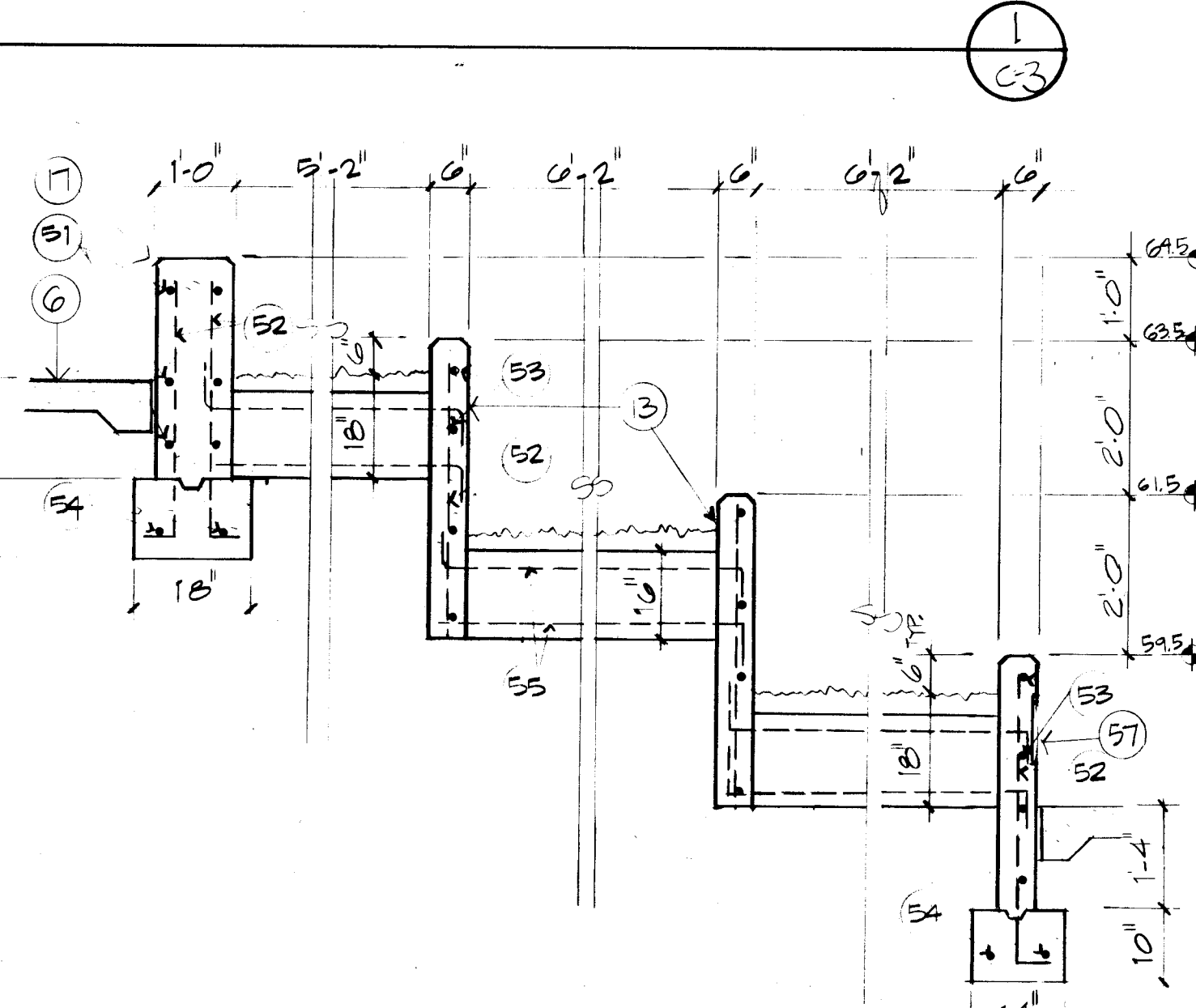
SECTION THRU SCREEN
1/2" = 1'-0"



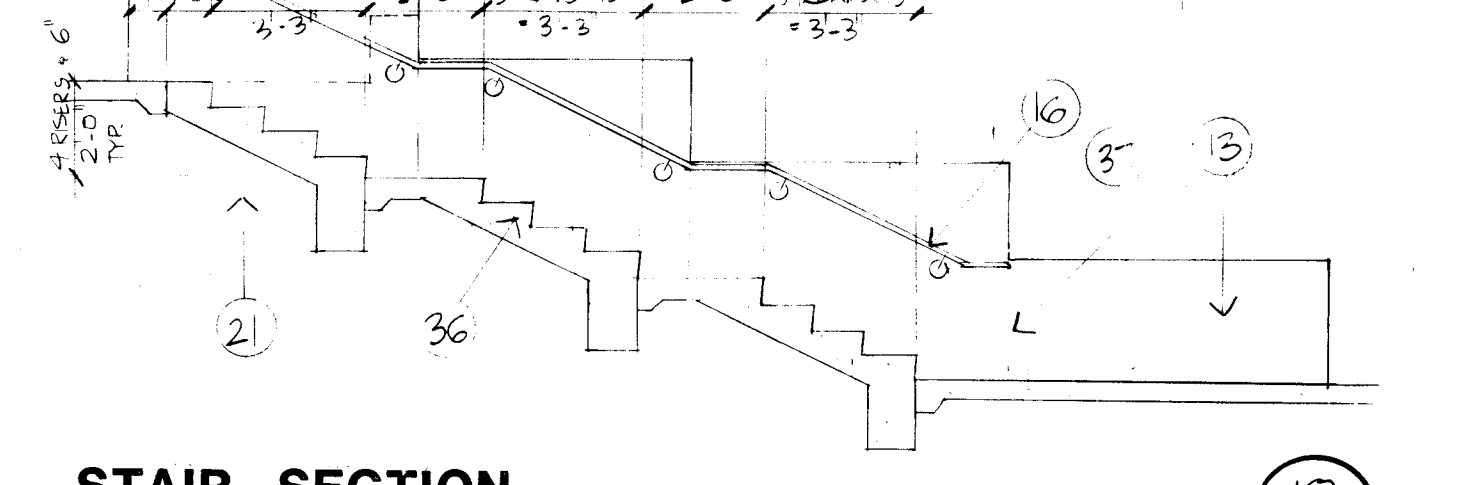
HANDRAIL DETAIL
3/4" = 1'-0"



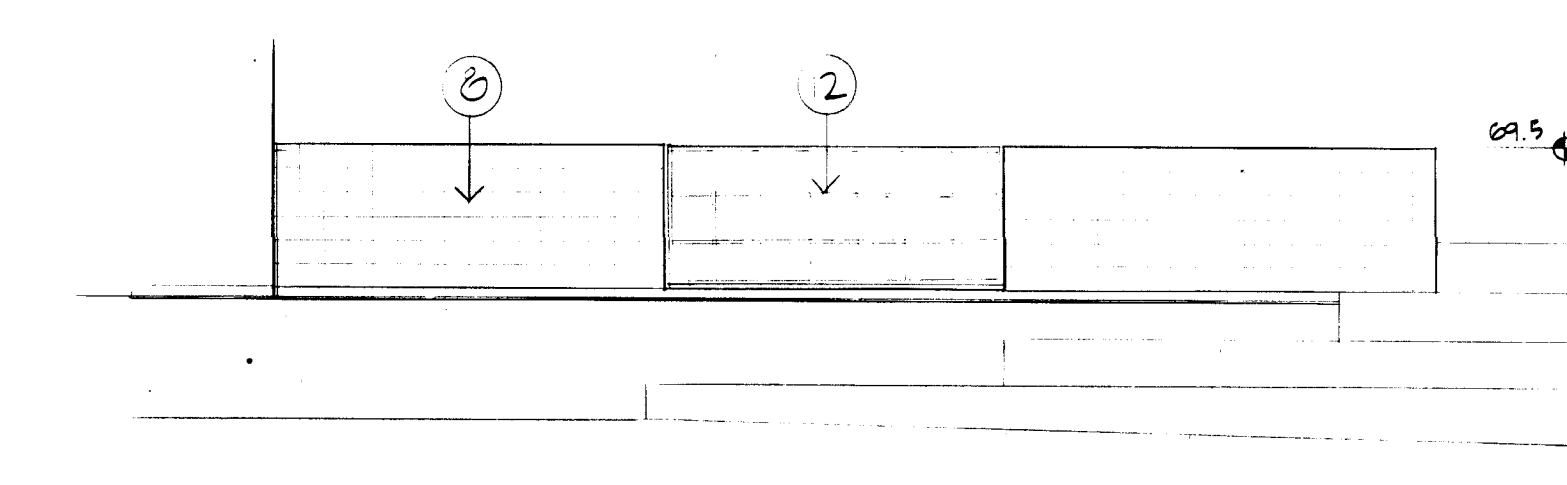
SCREEN DETAIL
1/2" = 1'-0"



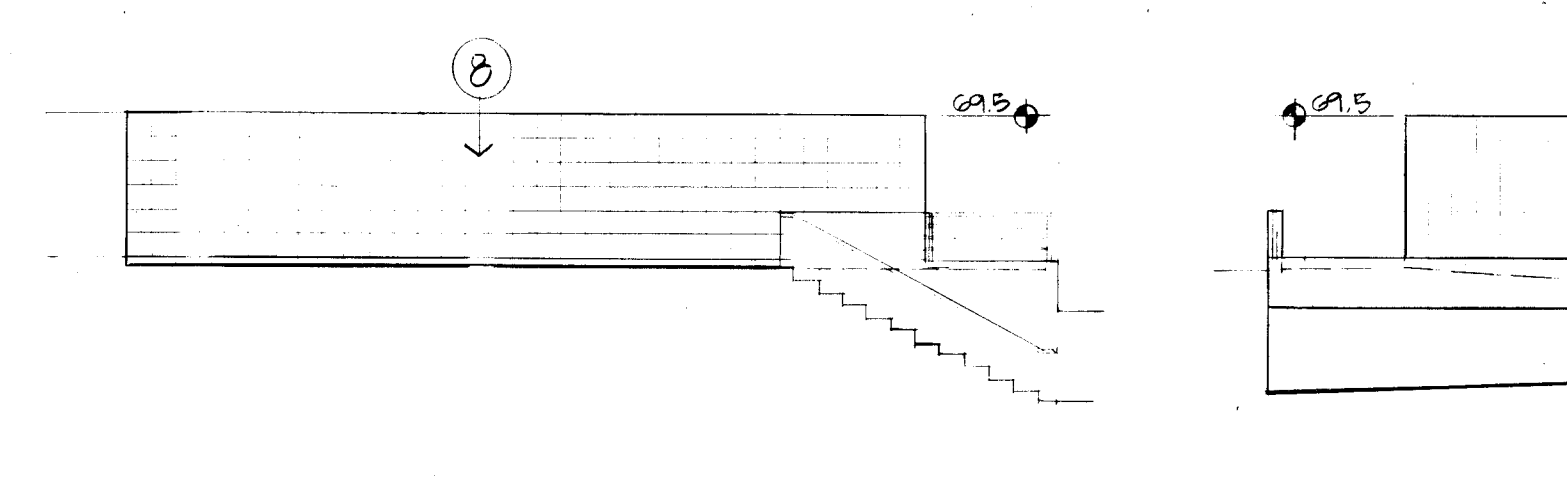
SECTION THRU PLANTER WALLS
1/4" = 1'-0"



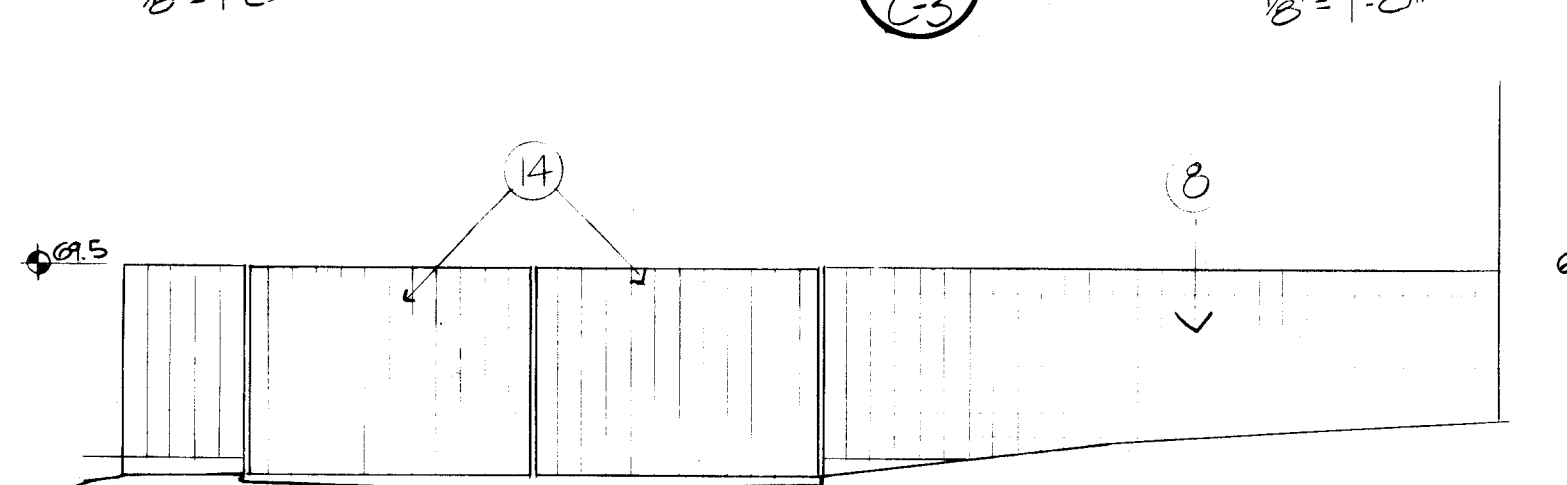
STAIR SECTION
1/4" = 1'-0"



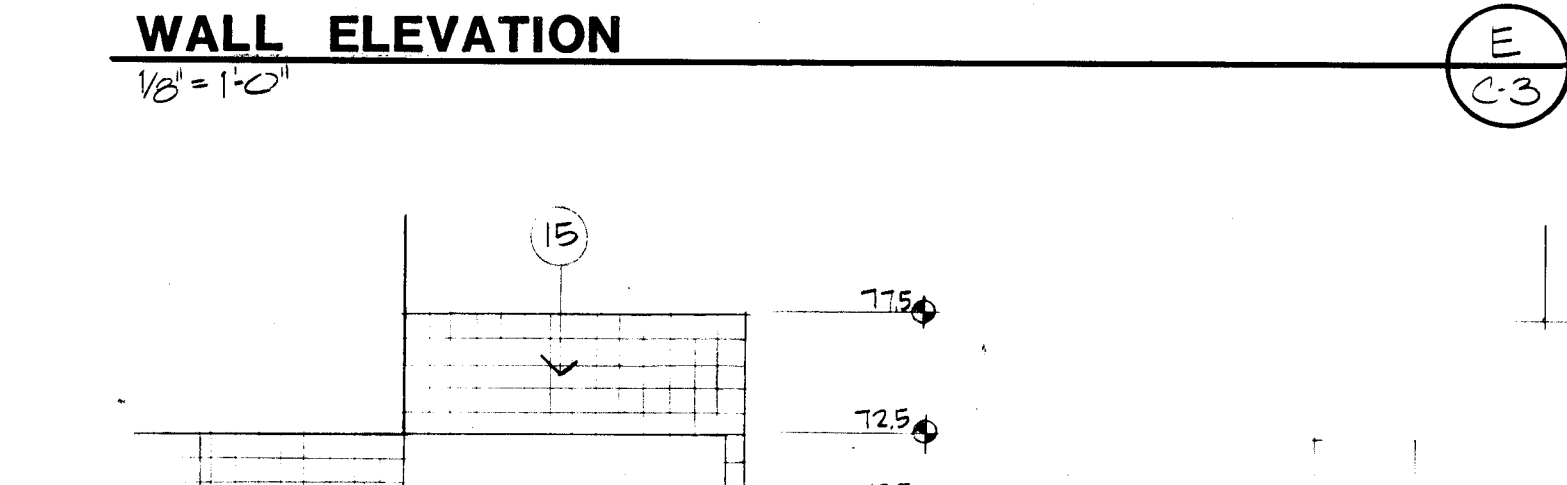
WALL ELEVATION
1/8" = 1'-0"



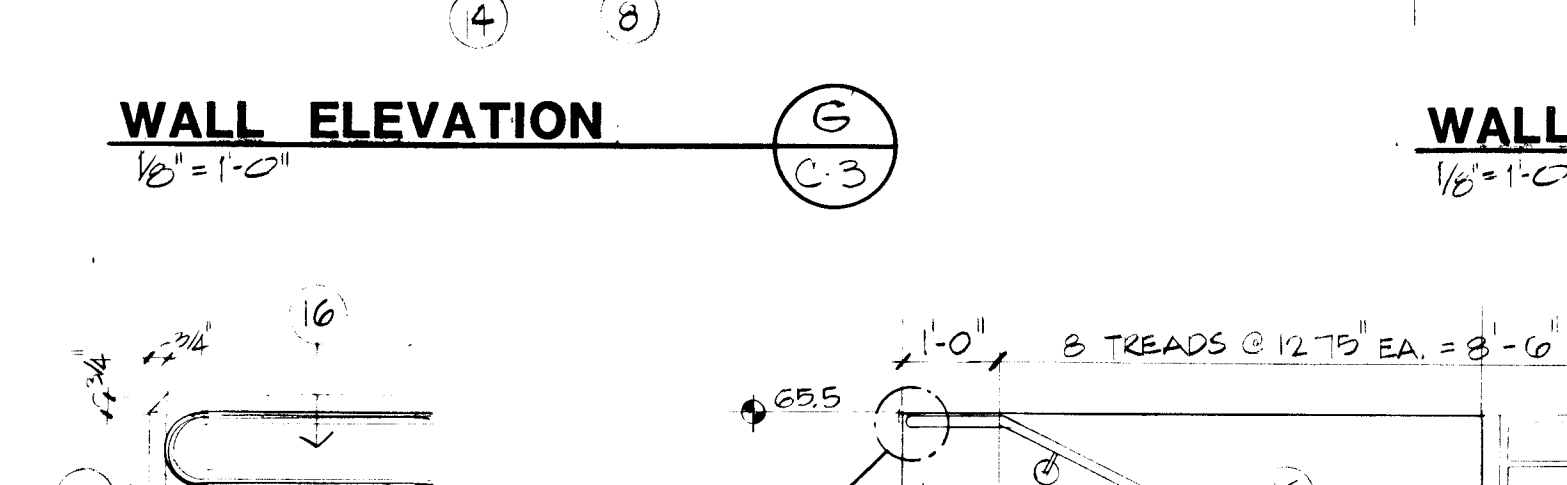
WALL ELEVATION
1/8" = 1'-0"



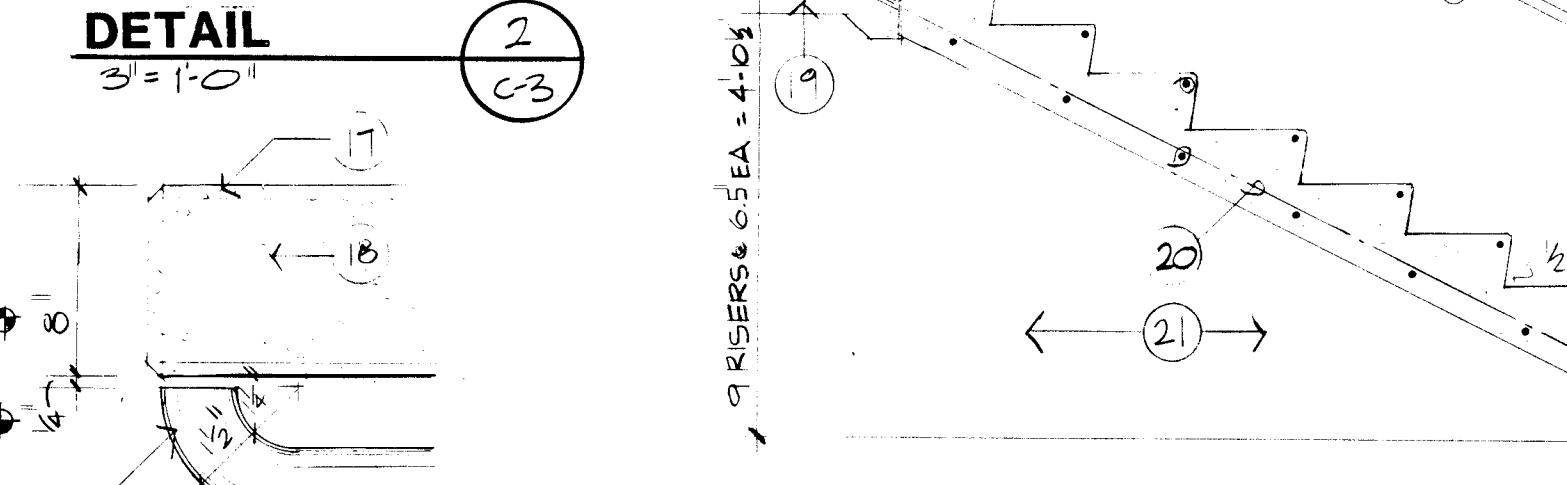
WALL ELEVATION
1/8" = 1'-0"



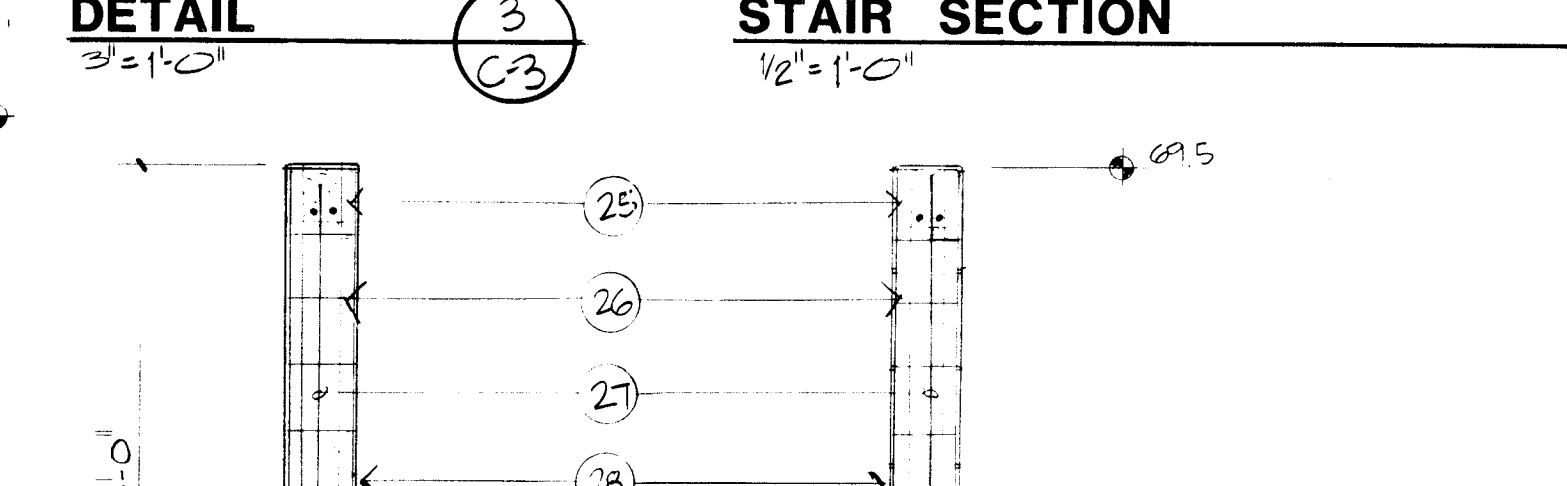
WALL ELEVATION
1/8" = 1'-0"



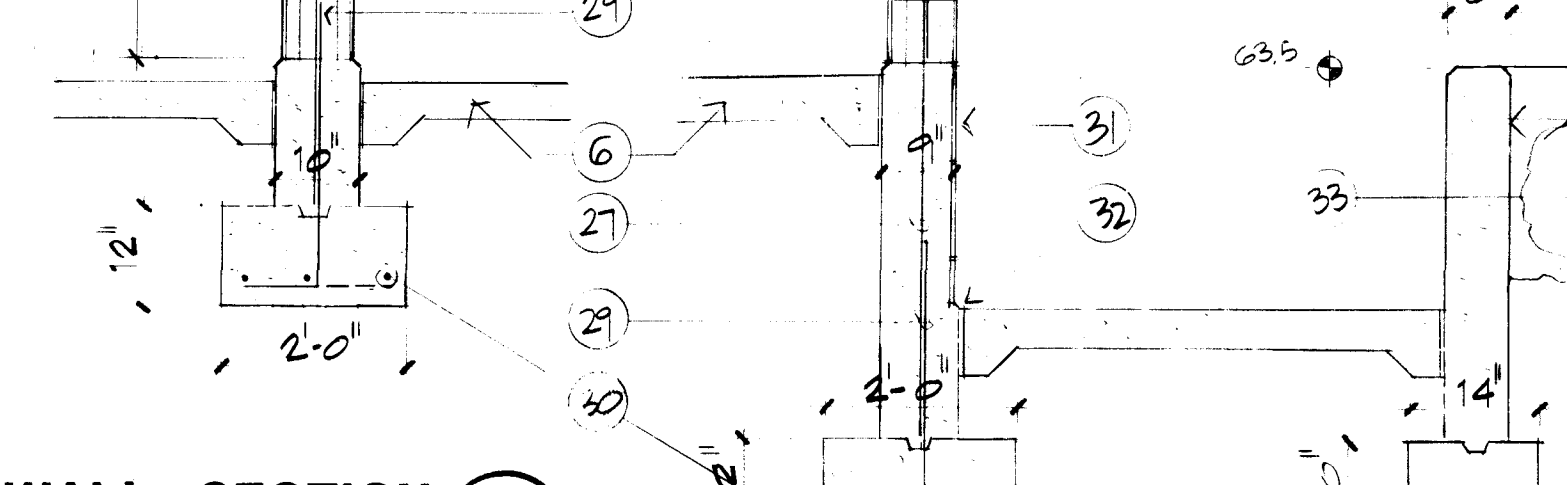
WALL ELEVATION
1/8" = 1'-0"



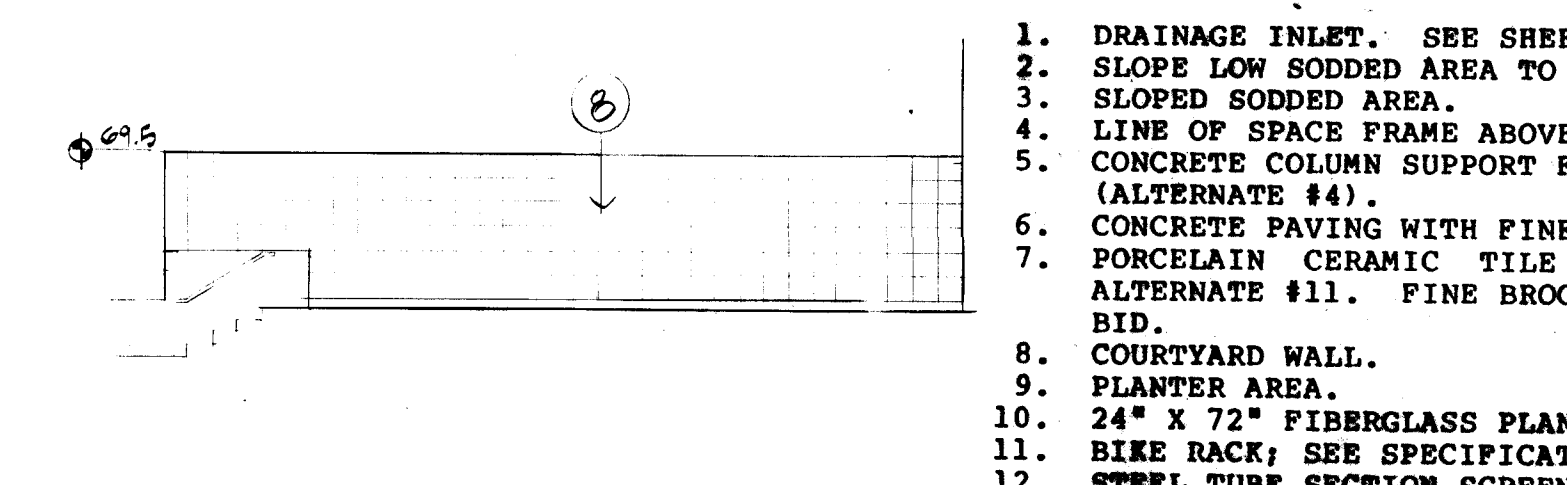
WALL ELEVATION
1/8" = 1'-0"



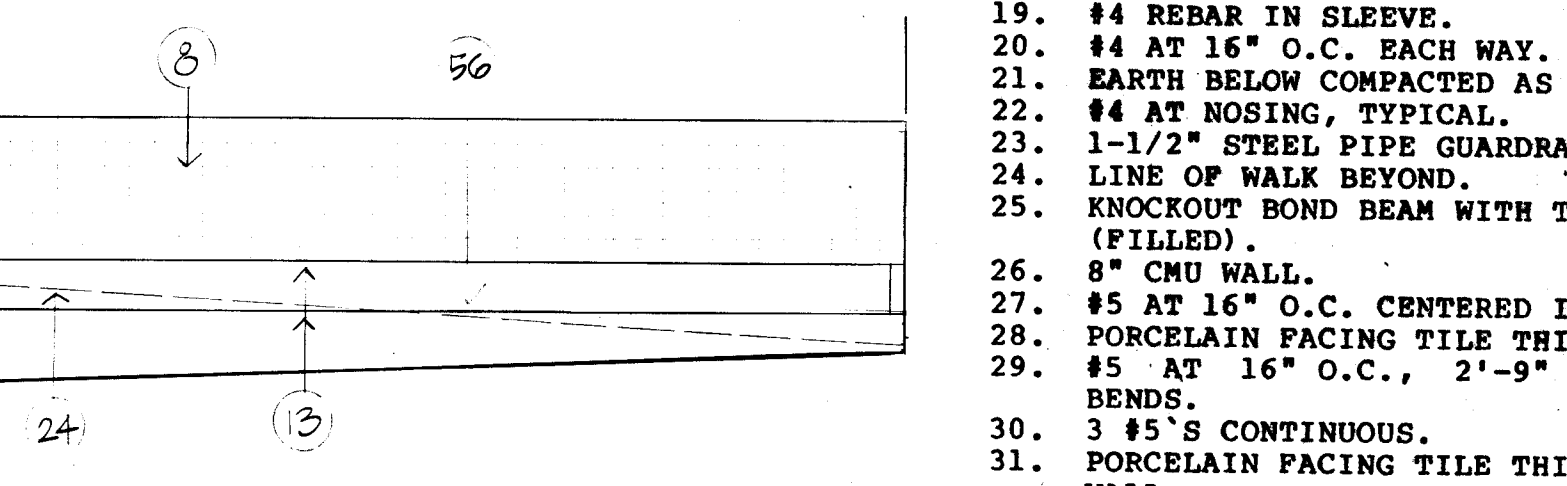
WALL ELEVATION
1/8" = 1'-0"



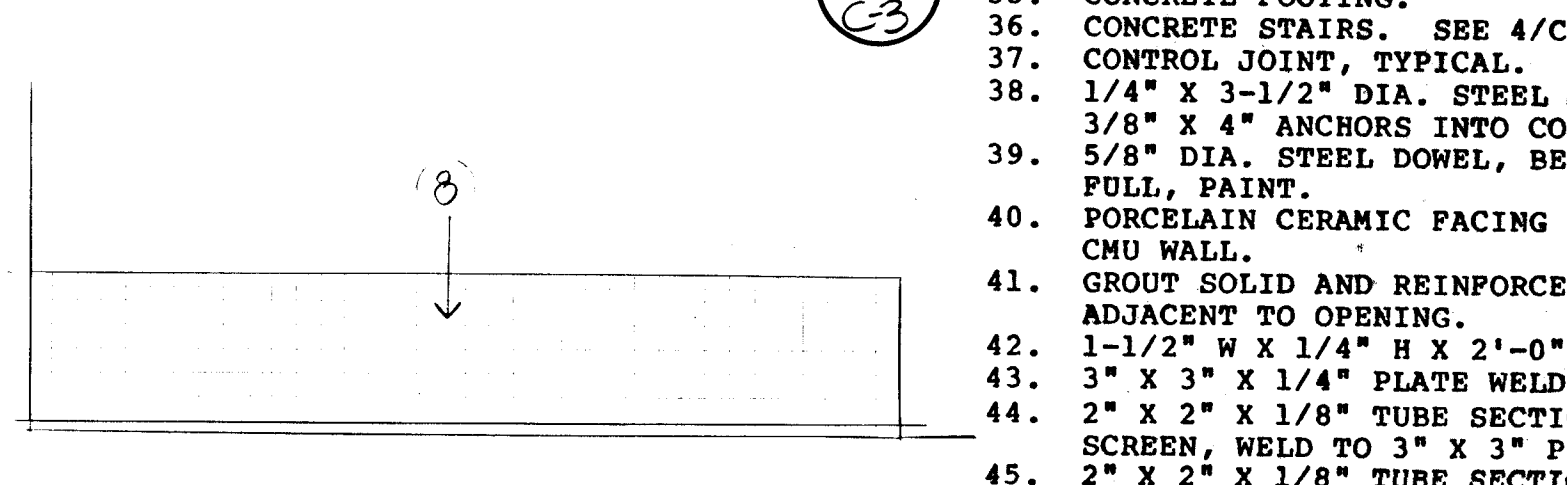
WALL ELEVATION
1/8" = 1'-0"



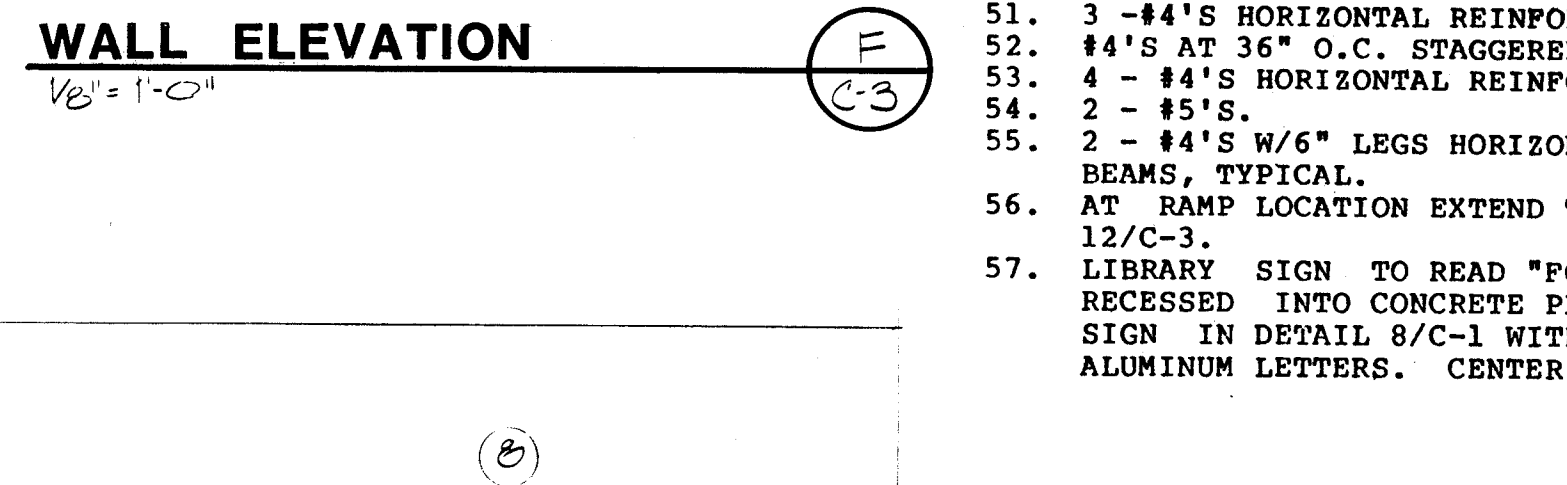
WALL ELEVATION
1/8" = 1'-0"



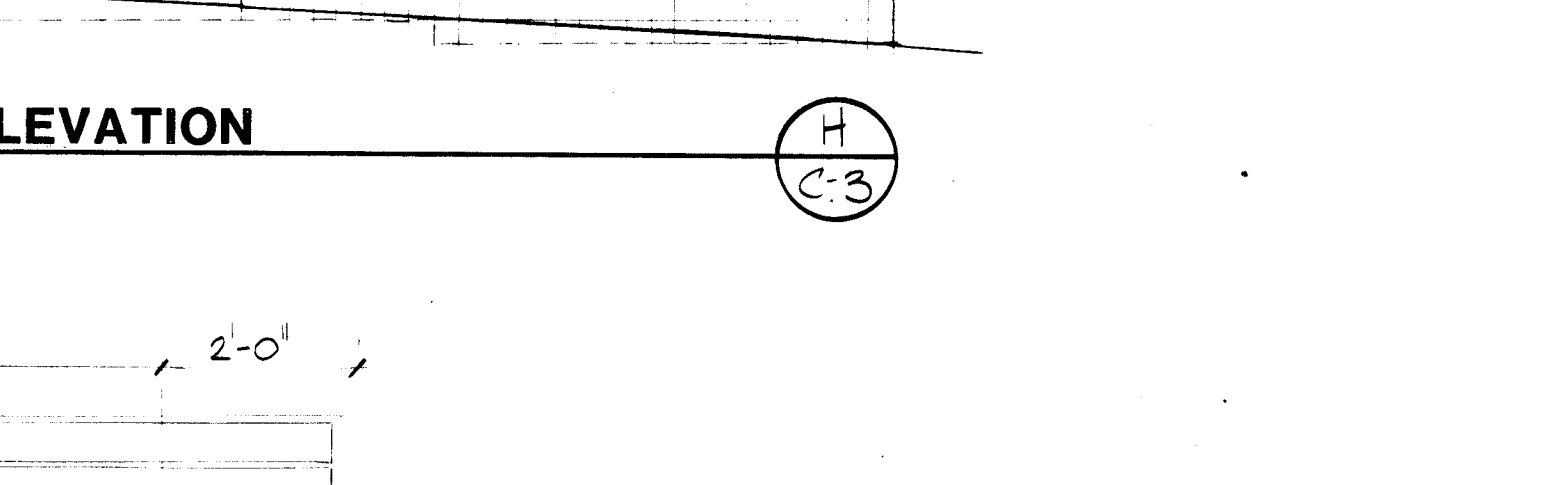
WALL ELEVATION
1/8" = 1'-0"



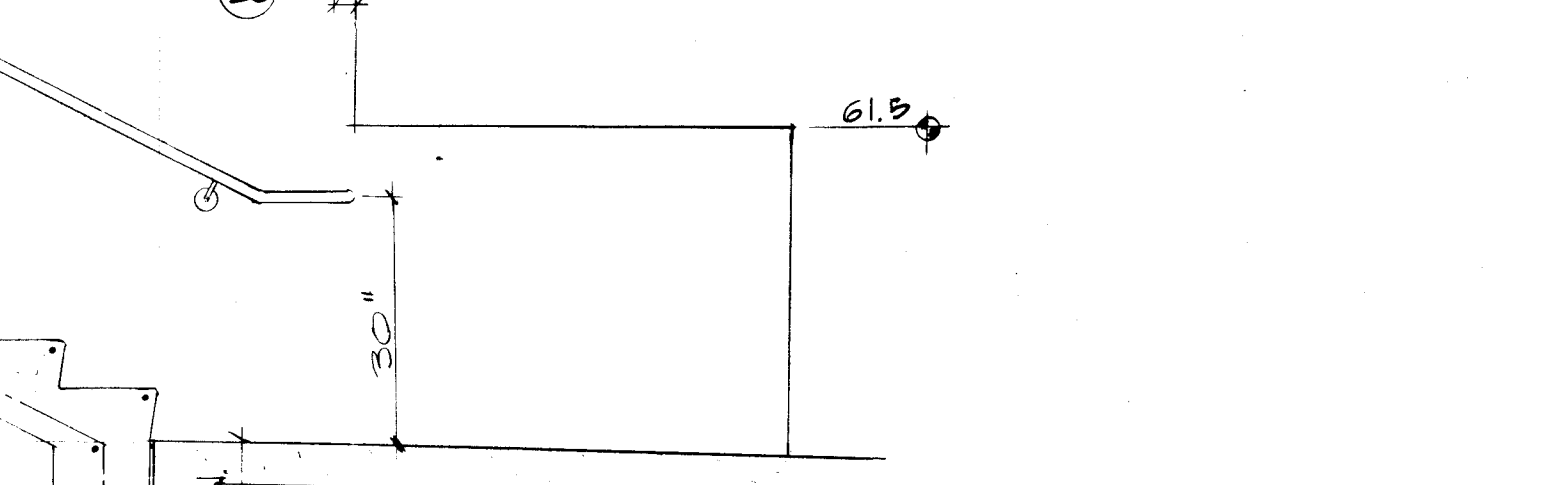
WALL ELEVATION
1/8" = 1'-0"



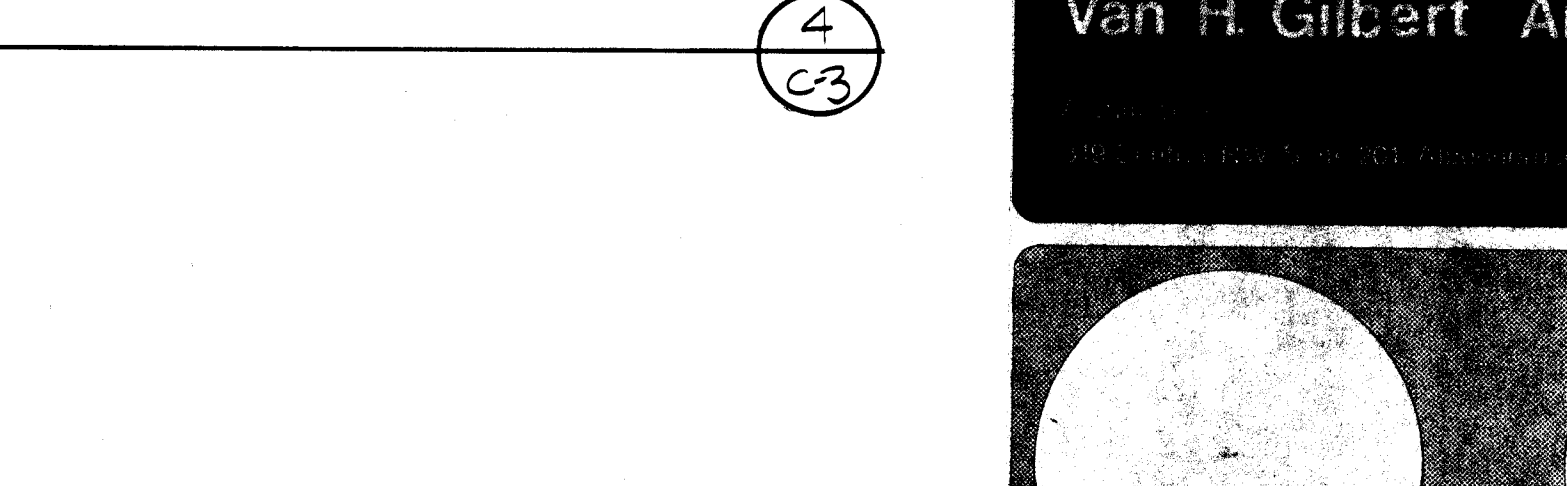
WALL ELEVATION
1/8" = 1'-0"



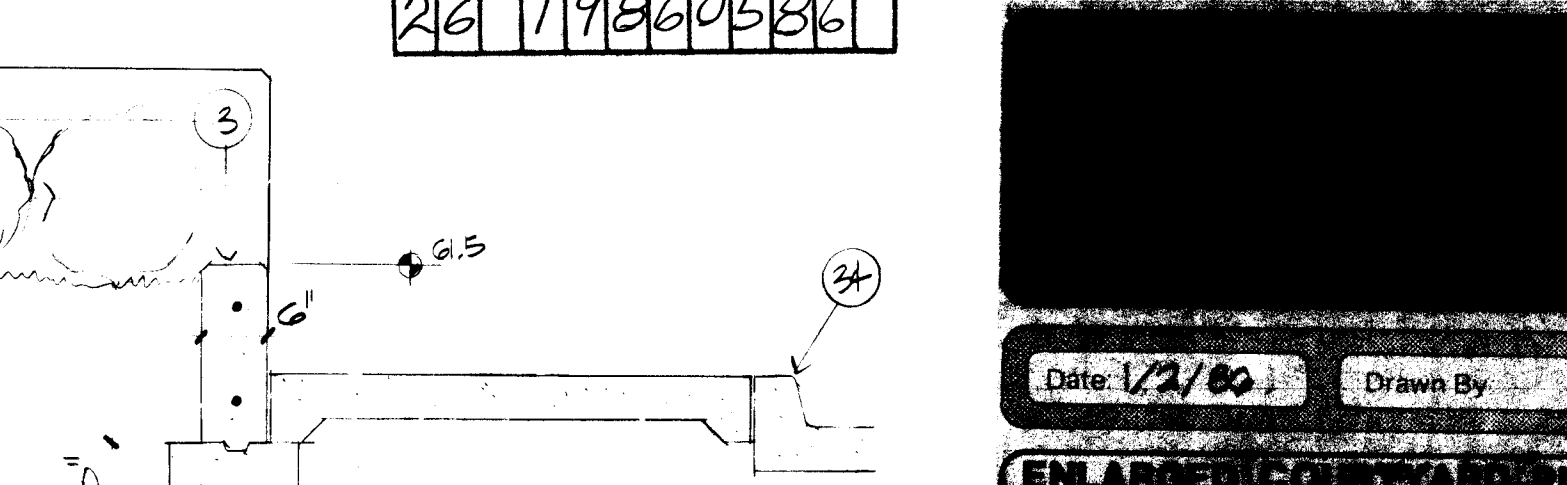
WALL ELEVATION
1/8" = 1'-0"



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1/8" = 1'-0"



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1/8" = 1'-0"



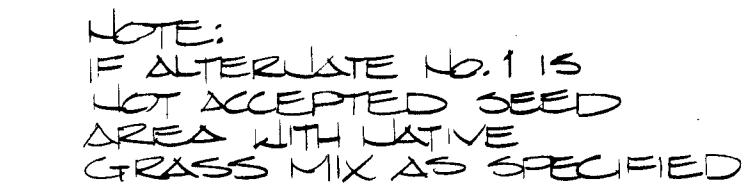
WALL ELEVATION
1/8" = 1'-0"

NOTES

1. DRAINAGE INLET. SEE SHEET C-2.
2. SLOPE LOW SODDED AREA TO DRAIN.
3. SLOPED SODDED AREA.
4. LINE OF SPACE FRAME ABOVE. (ALTERNATE #4).
5. CONCRETE COLUMN SUPPORT FOR SPACE FRAME.
6. CONCRETE PAVING WITH FINE BROOM FINISH.
7. PORCELAIN CERAMIC TILE ACCENT PAVING, TYPICAL - ALTERNATE #11. FINE BROOM FINISH CONCRETE - BASE BID.
8. COURTYARD WALL.
9. PLANTER AREA.
10. 24" X 72" FIBERGLASS PLANTERS. (N.I.C.)
11. RISE RACK: SEE SPECIFICATIONS.
12. STEEL TUBE SECTION SCREEN.
13. CONCRETE PLANTER WALL.
14. METAL GATES: SEE SHEET A-8.
15. ENTRANCE CANOPY.
16. 1-1/2" DIAMETER STEEL PIPE RAILING.
17. 1/4" CHAMFER.
18. CONCRETE END WALL.
19. #4 REBAR IN SLEEVE.
20. #4 AT 16" O.C. EACH WAY.
21. EARTH BELOW COMPACTED AS PER SPECIFICATIONS.
22. #4 AT NOSE, TYPICAL.
23. 1-1/2" STEEL PIPE GUARDRAIL.
24. LINE OF WALK BEYOND.
25. KNOCKOUT BOND BEAM WITH TWO #5'S CONTINUOUS (FILLED).
26. 8" CMU WALL.
27. #5 AT 16" O.C. CENTERED IN WALL.
28. PORCELAIN FACING TILE THIN SET ONTO CMU WALL.
29. #5 AT 16" O.C., 2'-0" H X 3" W ALUMINUM BENDS.
30. 3 #5'S CONTINUOUS.
31. PORCELAIN FACING TILE THIN SET ONTO CONCRETE WALL.
32. CHAMFER EDGE OF CONCRETE INSET TO RECEIVE FACING TILE. INSET SHALL SLOPE AT SAME RATE AS ADJACENT WALL, CUT TILE TO FIT ANGLE.
33. LANDSCAPING. SEE SHEET C-5.
34. CONCRETE CURB AND GUTTER.
35. CONCRETE FOOTING.
36. CONCRETE STAIRS. SEE 4/C-3 FOR REINFORCING.
37. CONTROL JOINT, TYPICAL.
38. 1/4" X 3-1/2" DIA. STEEL MOUNTING PLATE WITH 3/8" X 4" ANCHORS INTO CONCRETE WALL.
39. 5/8" DIA. STEEL DOWEL, BEND AS SHOWN, WELD FULL, PAINT.
40. PORCELAIN CERAMIC FACING TILE THIN SET ONTO 8" CMU WALL.
41. GROUT SOLID AND REINFORCE WITH #4'S TWO CELLS ADJACENT TO OPENING.
42. 1-1/2" X 1/4" H X 1/4" H X 2'-0" L S-STRAP ANCHOR.
43. 3" X 3" X 1/4" PLATE WELDED TO END OF STRAP.
44. 2" X 2" X 1/8" TUBE SECTION EXTENSION OF THE SCREEN, WELD TO 3" X 3" PLATE.
45. 2" X 2" X 1/8" TUBE SECTION SCREEN.
- 46.
47. SODDED AREA.
48. 112 BERBERIS THUMBERGII "CRIMSON PIGMII" AT 18" O.C.
49. CERCIS CANADENSIS.
50. 6" WIDE X 16" DEEP CONC. GRADE BEAMS @ 18" O.C.
51. 3 - #4'S HORIZONTAL REINFORCING.
52. #4'S AT 36" O.C. STAGGERED VERTICAL REINFORCING.
53. 4 - #4'S HORIZONTAL REINFORCING.
54. 2 - #5'S.
55. 2 - #4'S W/6" LEGS HORIZONTAL REINFORCING AT GRADE 12/C-3.
56. AT RAMP LOCATION EXTEND TILE TO WALK PER DETAIL 12/C-3.
57. LIBRARY SIGN TO READ "FOOTHILLS BRANCH LIBRARY" RECESSED INTO CONCRETE PLANTER WALL, SIMILAR TO SIGN IN DETAIL 8/C-1 WITH INSET TILE AND 4" CAST ALUMINUM LETTERS. CENTER ON LIBRARY ENTRANCE.

Van H. Gilbert Architect AIA
Planning
2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2650-2651-2652-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-2731-2732-2733-2734-2735-2736-2737-2738-2739-2740-2741-2742-2743-2744-2745-2746-2747-2748-2749-2750-2751-2752-2753-2754-2755-2756-2757-2758-2759-2760-2761-2762-2763-2764-2765-2766-2767-2768-2769-2770-2771-2772-2773-2774-2775-2776-2777-2778-2779-2780-2781-2782-2783-2784-2785-2786-2787-2788-2789-2790-2791-2792-2793-2794-2795-2796-2797-2798-2799-2800-2801-2802-2803-2804-2805-2806-2807-2808-2809-2810-2811-2812-2813-2814-2815-2816-2817-2818-2819-2820-2821-2822-2823-2824-2825-2826-2827-2828-2829-2830-2831-2832-2833-2834-2835-2836-2837-2838-2839-2840-2841-2842-2843-2844-2845-2846-2847-2848-2849-2850-2851-2852-2853-2854-2855-2856-2857-2858-2859-2860-2861-2862-2863-2864-2865-2866-2867-2868-2869-2870-2871-2872-2873-2874-2875-2876-2877-2878-2879-2880-2881-2882-2883-2884-2885-2886-2887-2888-2889-2890-2891-2892-2893-2894-2895-2896-2897-2898-2899-2900-2901-2902-2903-2904-2905-2906-2907-2908-2909-2910-2911-2912-2913-2914-2915-2916-2917-2918-2919-2920-2921-2922-2923-2924-2925-2926-2927-2928-2929-2930-2931-2932-2933-2934-2935-2936-2937-2938-2939-2940-2941-2942-2943-2944-2945-2946-2947-2948-2949-2950-2951-2952-2953-2954-2955-2956-2957-2958-2959-2960-2961-2962-2963-2964-2965-2966-2967-2968-2969-2970-2971-2972-2973-2974-2975-2976-2977-2978-2979-2980-2981-2982-2983-2984-2985-2986-2987-2988-2989-2990-2991-2992-2993-2994-2995-2996-2997-2998-2999-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1. 1/2" SOFT RUBBER HOSE AND #12 GALV. WIRE SE-
CURED TO STAKE BY TWISTING; ALSO TO HOLD
TREES AWAY FROM STAKE.
2. #5 REBAR STAKE.
3. F75MISH GRADE IN LAWN OR PLANTED AREAS.
PROVIDE 2'-0" DIA. CLEAR AREA IN LAWN.
4. BACKFILL AS SPECIFIED.
5. 2" BARK MULCH THROUGHOUT.
6. 2 - #5 REBAR.
7. CONCRETE MOW STRIP WITH TROWEL FINISH AND
3/4" RADIUSED CORNERS.
8. NGR, SEE DETAIL 8/C-1.



SHRUB PLANTING DETAIL



1	2	3	4	5	6	7	8	9	10	11	12
2	6		1	9	8	6	0	6	8	6	

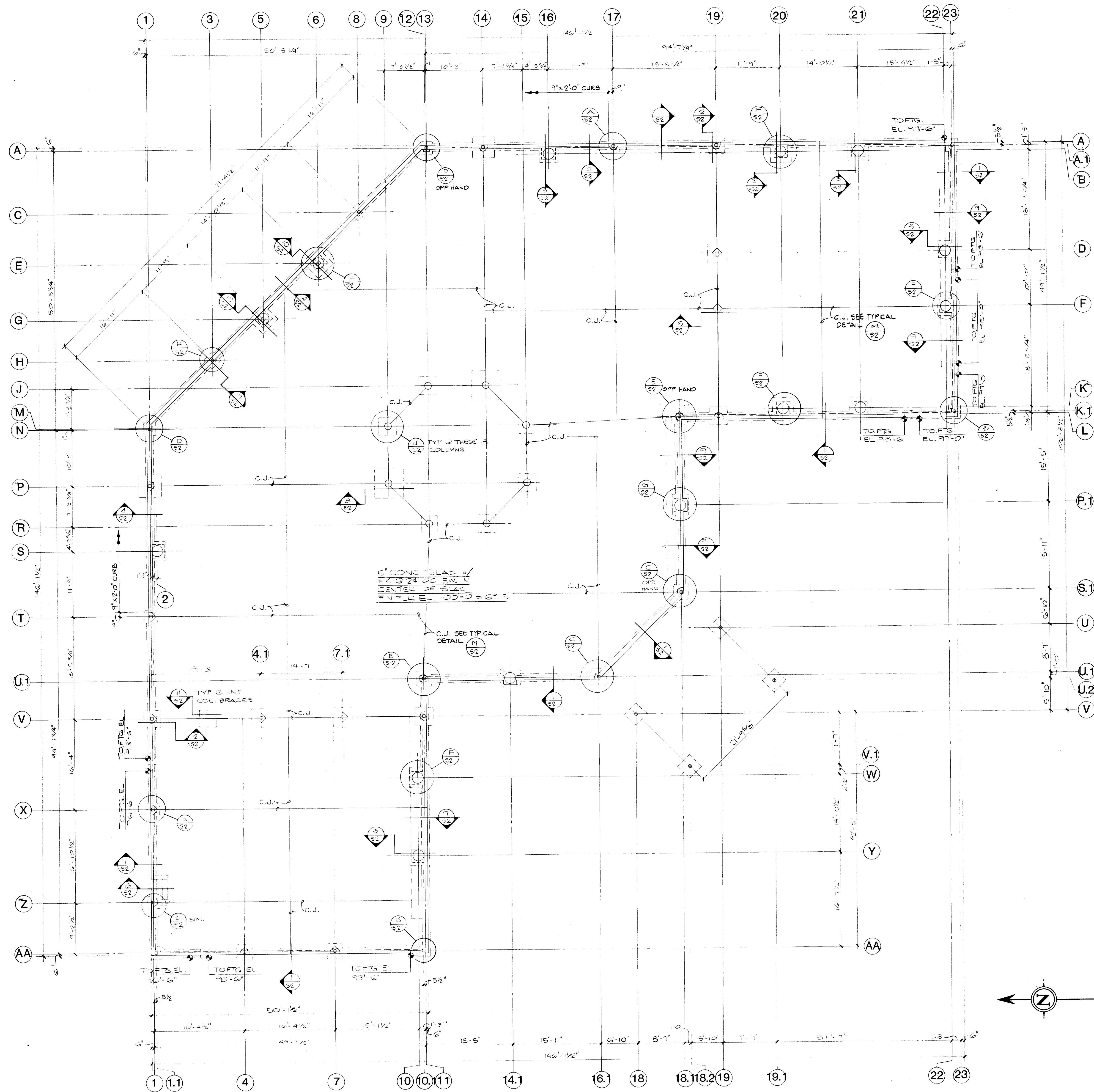
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LANDSCAPE PLAN 1986	C4 6 34
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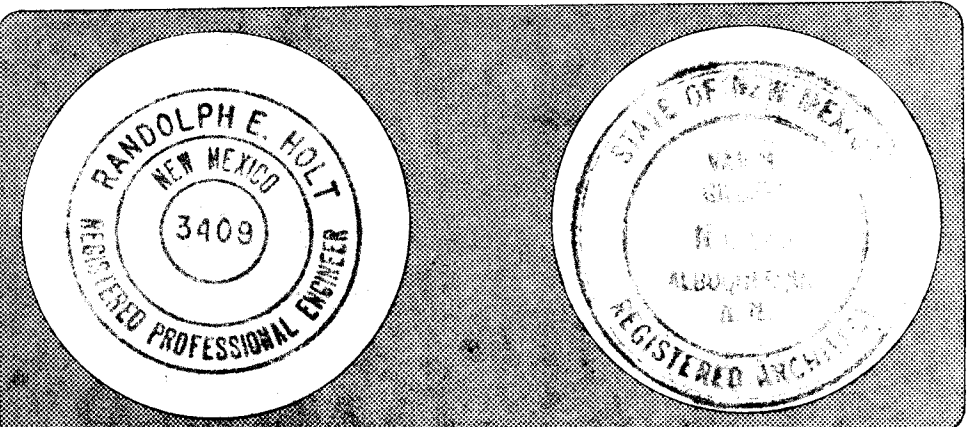


FOUNDATION PLAN
1/8"=1'-0"

1 2 3 4 5 6 7 8 9 10 11 12
24 19860804

Van H. Gilbert Architect AIA

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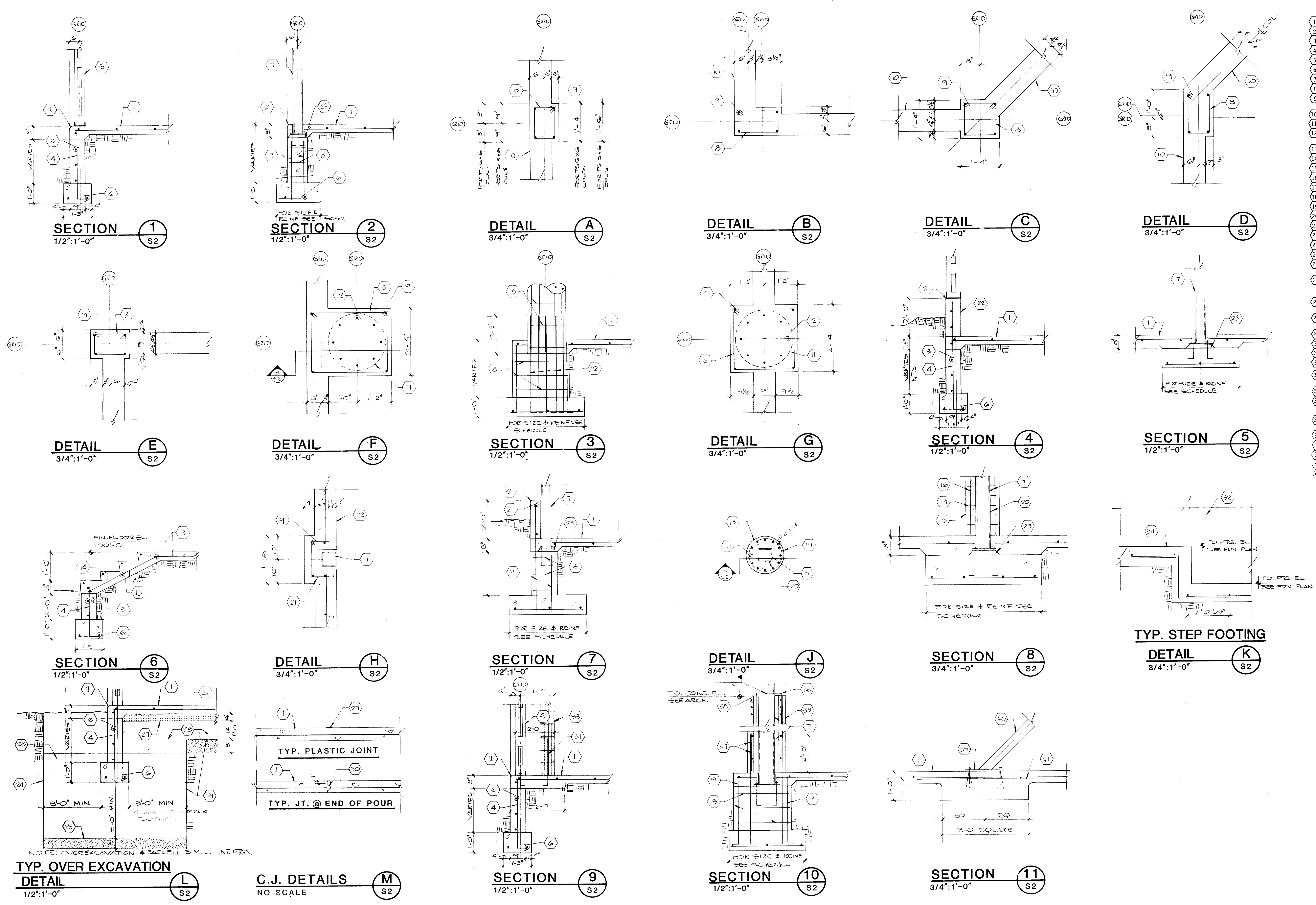


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FOUNDATION PLAN Sheet S1 of 2

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- KEYED NOTES**
- 1 REINFORCED CONCRETE SLAB, SEE FOUNDATION PLAN.
 - 2 1" CHAMFER.
 - 3 #4 @ 10" ON CENTER HORIZONTAL.
 - 4 #4 @ 16" ON CENTER VERTICAL, ALTERNATE HOOK DIRECTION AT FOOTING.
 - 5 6" METAL STUD WALL, SEE ARCHITECTURAL.
 - 6 2 #5 CONTINUOUS.
 - 7 TS COLUMN, SEE COLUMN SCHEDULE.
 - 8 #3 @ 9" ON CENTER (3 MIN.)
 - 9 4 #7 L 4"
 - 10 REINFORCED CONCRETE STEM WALL, SEE SECTION 1/52.
 - 11 REINFORCED CONCRETE COLUMN ABOVE.
 - 12 8 #7 L 4" VERTICAL
 - 13 #4 @ 24" ON CENTER.
 - 14 #5 @ EACH NOSING.
 - 15 #3 @ TIES @ 14" ON CENTER.
 - 16 12 #3 VERTICAL.
 - 17 24" REINFORCED CONCRETE COLUMN.
 - 18 14" CONCRETE COLUMN.
 - 19 #2 @ TIES @ 4" ON CENTER.
 - 20 COAT CONTACT SURFACE WITH EMULSIFIED ASPHALT.
 - 21 #4 @ 10" ON CENTER.
 - 22 9" CURB WALL.
 - 23 2" GROUT.
 - 24 MINIMUM LINE OF EXCAVATION.
 - 25 SCARIFY 8" MINIMUM & COMPACT TO 90% (MIN.) OF MODIFIED PROCTOR DENSITY. (ASTM - D-1557).
 - 26 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.
 - 27 4" MINIMUM SELECT FILL COMPACTED TO 90% (MIN.) OF MODIFIED PROCTOR DENSITY (ASTM D-1557) UNDER ALL FLOOR SLABS.
 - 28 BACKFILL COMPACTED TO 95% (MIN.) OF MODIFIED PROCTOR DENSITY (ASTM D-1557).
 - 29 PLASTIC TEE CONTROL JOINT SET IN TOOLED JOINT IN WET CONCRETE.
 - 30 22 GAGE GALVANIZED KEY JOINT.
 - 31 CONTINUOUS FOOTING.
 - 32 CONCRETE STEM WALL.
 - 33 8" CMU TROMBE WALL WITH #5 @ 48" ON CENTER VERTICAL AND KOBBS WITH 2 #5 CONTINUOUS @ 48" ON CENTER HORIZONTAL. GROUT ALL CELLS.
 - 34 #5 DOWELS @ 48" ON CENTER.
 - 35 #3 @ TIES, 3 @ 4" @ TOP AND BALANCE AT 14" ON CENTER.
 - 36 4 - #5 DOWELS 12" 24" WELD TO STEEL COLUMN & IMBED INTO CONCRETE ENCASMENT.
 - 37 8 #5 VERTICAL & 8 #5 DOWELS.
 - 38 4.2" THICK, 24" OUTSIDE DIAMETER, CONCRETE COLUMN ENCASMENT.
 - 39 PLATE 1 1/8"x4"x1'-4" WITH 2 - 3/4" @ 10" WED-ITS.
 - 40 COLUMN BRACE, SEE SCHEDULE.
 - 41 6x6 W2.9 x W2.9 x 5'-0" SQ.

26 179340736

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RADOLPH H. GILBERT
AIA
3400
REGISTERED PROFESSIONAL ARCHITECT

VAN H. GILBERT
No. 665
ALBUQUERQUE
N.M.
REGISTERED ARCHITECT

Date 12-12-86 Drawn By JRV

FOUNDATION SECTIONS AND DETAILS

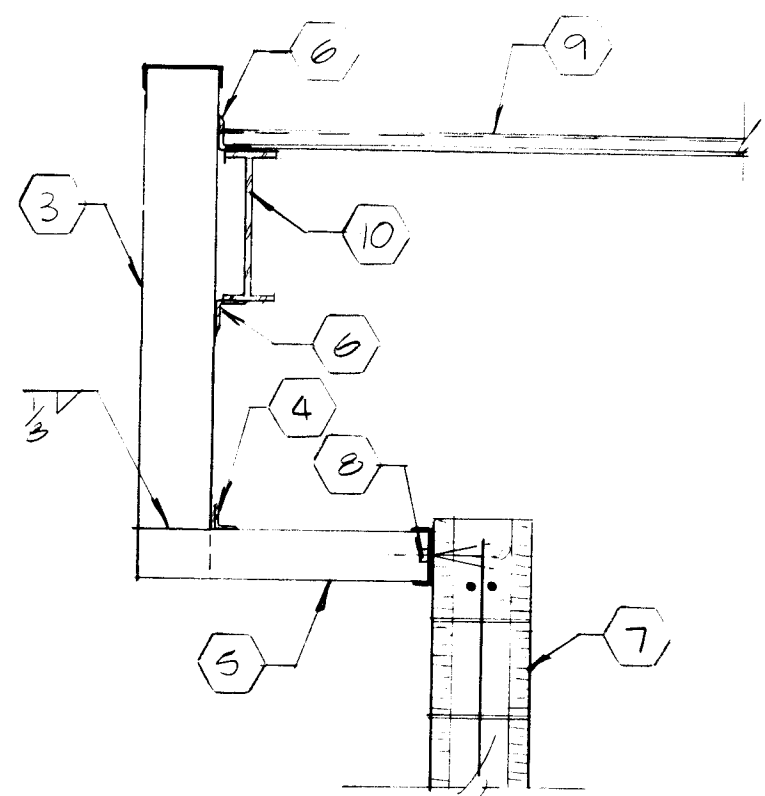
Sheet **S2**
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1986

FOOTING & COLUMN SCHEDULE															
COLUMN COORDINATES		P9, J14	V41, V71, D19, F19	P15, R4, J12, M9	U19, V18, V115, 2, U219	B21, C22, K21	A16, B1, F22, D22, W19, X10, U1-14,1, P115,1	P1, A14	V11, L19	V1, A19	U1-11, L15,1, U1-16,1, S115,1	AA-10,1, A1-23, N1, A15, H5, C5, X1, 21, AA-11, T1, A17, E1-25	AA4, AA7	R12, M15	GS, E5
COLUMN	CAP PLATE		12 1/2	12 1/2	12 1/2						12 1/2 #	12 1/2		12 1/2	12 1/2
	SIZE	T5 6'x6'x3/16	T5 6'x6'x1/4	T5 6'x6'x1/4	T5 6'x6'x1/4	CONCRETE	CONCRETE	T5 3'x6'x1/4	T5 6'x6'x1/4	T5 6'x6'x1/4	T5 6'x6'x1/4	T5 6'x6'x1/4	T5 6'x6'x1/4	T5 6'x6'x1/4	T5 10'x10'x1/4
	BASE PLATE	TYPE II	TYPE II	TYPE II	TYPE II	—	—	TYPE I	TYPE I	TYPE I	TYPE II	TYPE I	TYPE I	TYPE II	TYPE III
	ANCHOR BOLT	4-3/4" ϕ 3/4"	4-3/4" ϕ 3/4"	4-3/4" ϕ 3/4"	2-3/4" ϕ 3/4"	—	—	2-3/4" ϕ 3/4"	2-3/4" ϕ 3/4"	2-3/4" ϕ 3/4"	4-3/4" ϕ 3/4"	2-3/4" ϕ 3/4"	2-3/4" ϕ 3/4"	4-3/4" ϕ 3/4"	4-3/4" ϕ 3/4"
FOOTING	SIZE	5'5"x5'5"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"	2'5"x2'5"x1'0"	2'5"x2'5"x1'0"	5'0"x5'0"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 EW *	2 #4 TRANS *	2 #4 #	3 #4 EW	2 #4 EW *
* PLUS CONT. FOOTING REINFORCING															

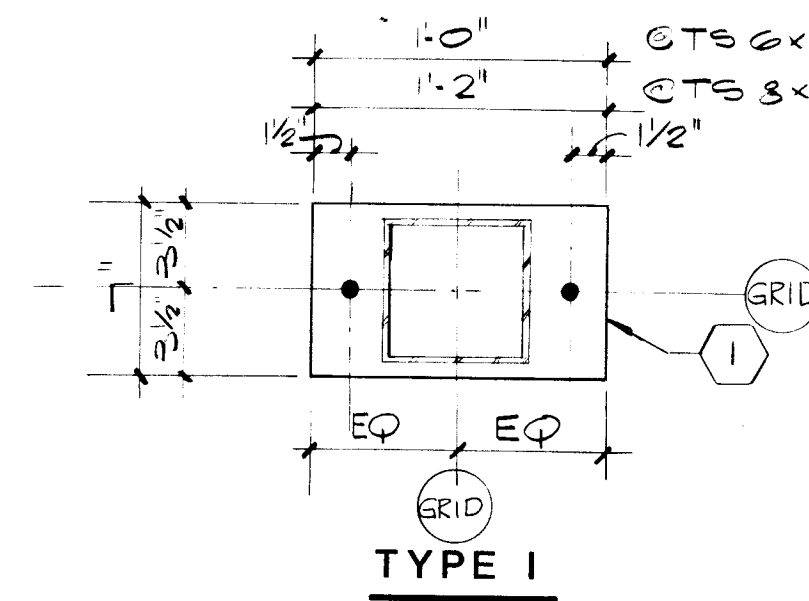
* PLUS CONT. FOOTING REINFORCING

COLUMN BRACE SCHEDULE													
COLUMN	N1	A15	A17	V1	AA1	A23	L13-1 (HIGH)	L13-1 (LOW)	H3	CS			
BRACE SIZE	T5 6'x6'x3/16	T5 6'x6'x3/16	T5 6'x6'x3/16	T5 6'x6'x3/16	T5 6'x6'x3/16	T5 6'x6'x3/16	T5 6'x6'x3/16	T5 6'x6'x3/16	T5 6'x6'x3/16	T5 6'x6'x3/16			
DIRECTION FROM COLUMN	W	S	N	V	W	S	N	N	NW	SE			
APPROX HEIGHT	24'-0"	24'-0"	17'-2"	12'-0"	12'-0"	11'-0"	10'-11 1/2"	11'-2"	16'-11 1/2"	11'-10"	24'-0"	24'-0"	24'-0"
APPROX BASE LENGTH	5'-7"	5'-9"	7'-2"	0'-0"	12'-0"	10'-0"	10'-11 1/2"	11'-2"	7'-6"	6'-2"	15'-9"	15'-9"	15'-9"

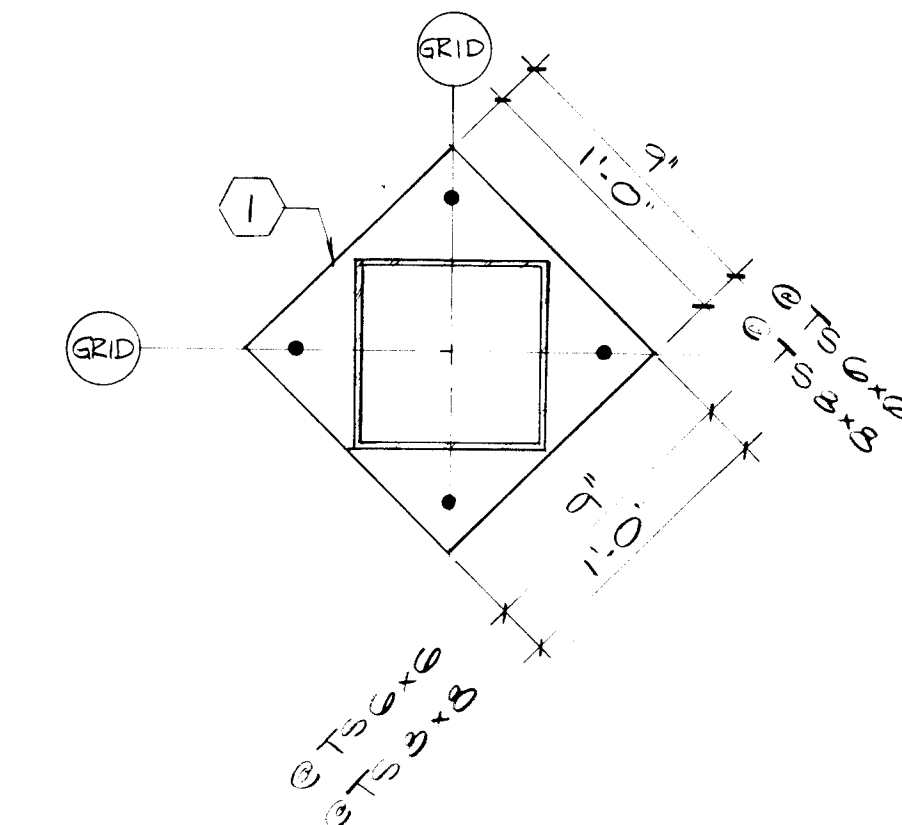


SECTION
3/4"=1'-0"

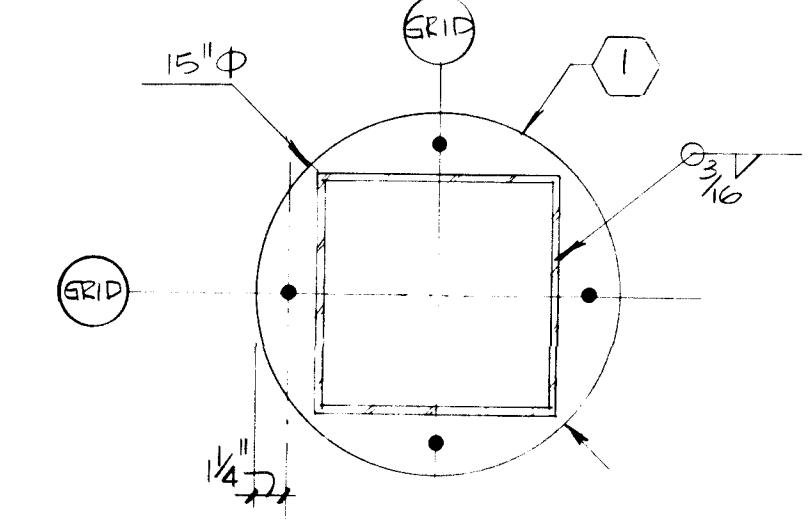
1
S3



TYPE I



TYPE II



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 LOOSENED 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:

STANDARD	PERCENT PASSING
BACKFILL: 3 INCH NO. 200	100
SELECT FILL: 2 INCH NO. 200	100
- MECHANICAL COMPACTION EQUIPMENT SHALL BE USED IN ALL GRADING OPERATIONS. IN NO CASE SHALL "WATER SETTLING" OR JETTING 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 UNIFORMLY 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 MAXIMUM OF 90% 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 ENTRAINED) ALL EXTERIOR SIDEWALKS, STAIRS, SLABS, PADS, CURBS & GUTTERS.
F'C = 3,000 PSI (PORTLAND CEMENT TYPE I-II) ALL CAST-IN-PLACE CONCRETE FOR THE STRUCTURE.
- ALL REINFORCING STEEL SHALL BE ASTM A 615, 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 315-90).
- 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 SPLICES 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 SPLICES 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
PEDISTALS 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, DWELLS 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 THE BARS WHERE REQUIRED. STICKING OF DWELLS, ANCHOR BOLTS, ETC., INTO WET CONCRETE WILL NOT BE ACCEPTABLE. ANY REINFORCING OR OTHER EMBEDMENT FOUND TO BE IMPROPERLY INSTALLED SHALL BE REMOVED AND REPAIRED 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.

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 AISC.
- 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
SEISMIC	ROOF	20 PSF	22 PSF
WIND	CEILING	0'-10" = 1.2; 10'-40" = 1.3	
CEILING		1.3	
WALL		15.0 PSF	
FLOOR		1.0	

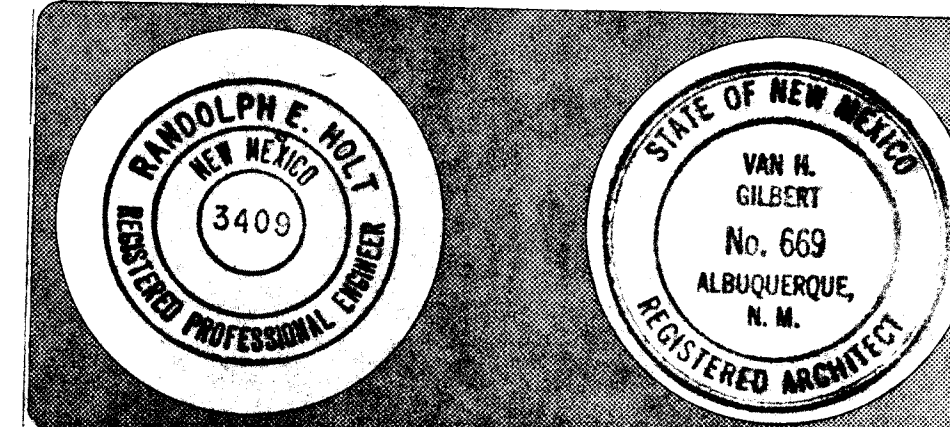
KEYED NOTES

- PLATE 3/4".
- COLUMN, SEE SCHEDULE.
- 6x16 @ 24" ON CENTER.
- ANGLE 2"x 2"x 1/4".
- 4" x 16" @ 48" ON CENTER.
- ANGLE 3"x3"x1/4" CONTINUOUS.
- 8" CMU WALL.
- 1/4"x 3" W3-ITS @ 24" ON CENTER.
- METAL DECK, SEE PLAN.
- BEAM, SEE PLAN.

1 2 3 4 5 6 7 8 9 10 11 12
24 19 24 10 34

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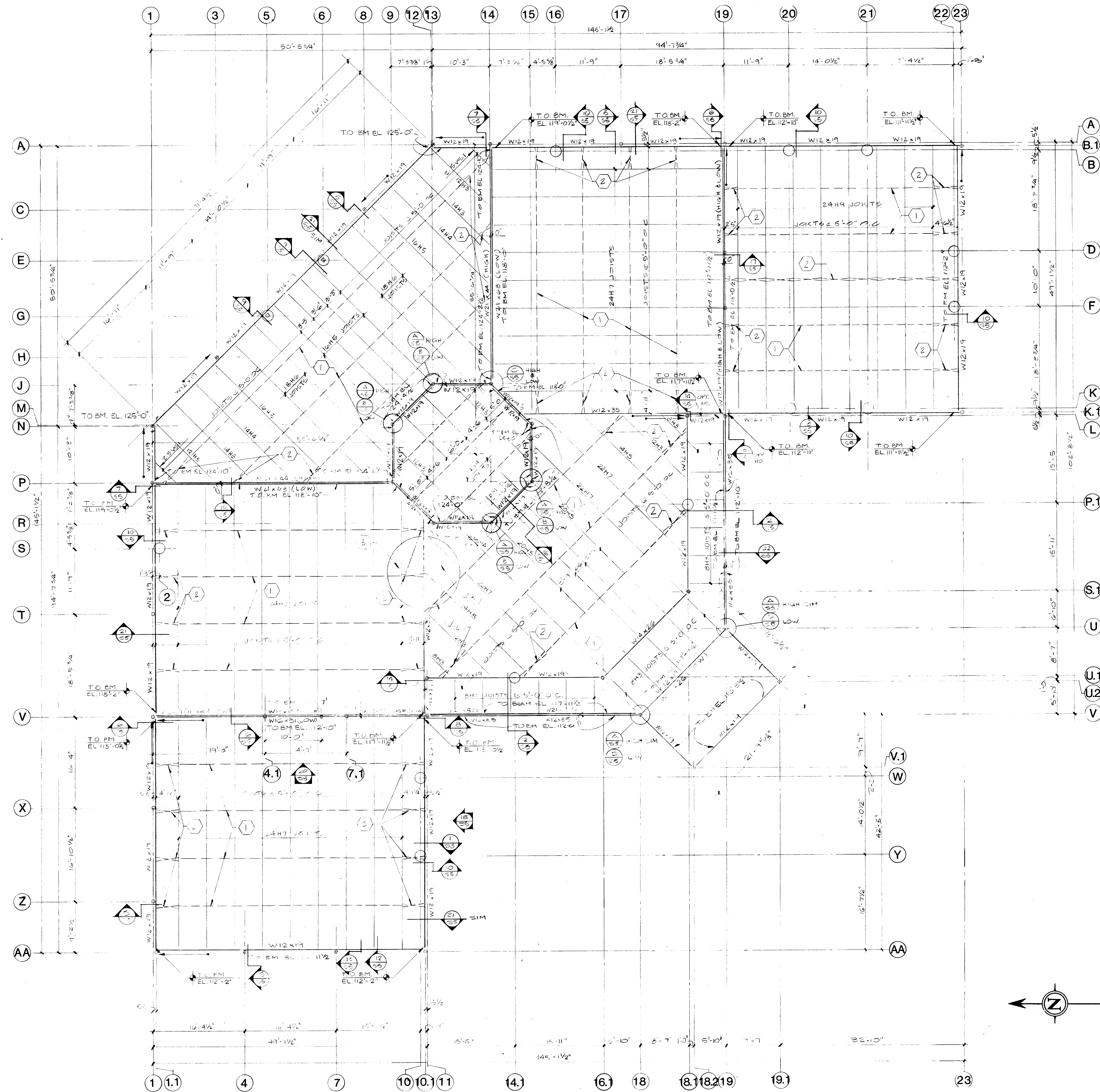
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Date: 12-12-84 Drawn By: D.R.V.

SCHEDULES AND MISCELLANEOUS DETAILS
1986
Sheet 33 of 34

KEYED NOTES
 1 HORIZONTAL BRIDGING TOP & BOTTOM.
 2 DIAGONAL BRIDGING.
 3 TYPE B, 1 1/2" 22 GAGE METAL DECK, $t = 0.167$ IN. MIN.,
 $S_p = 0.186$ IN. MIN., $S_n = 0.194$ IN. MIN. USE 4 - 3/4" MELTS
 PER SHEET AT EACH SUPPORT, & 3 #12 TENS SIDELAP FASTENERS PER
 SPAN (20" ON CENTER). USE 4 - 3/4" MELTS AT 20" ON CENTER AT
 SIDE EDGE CONN.

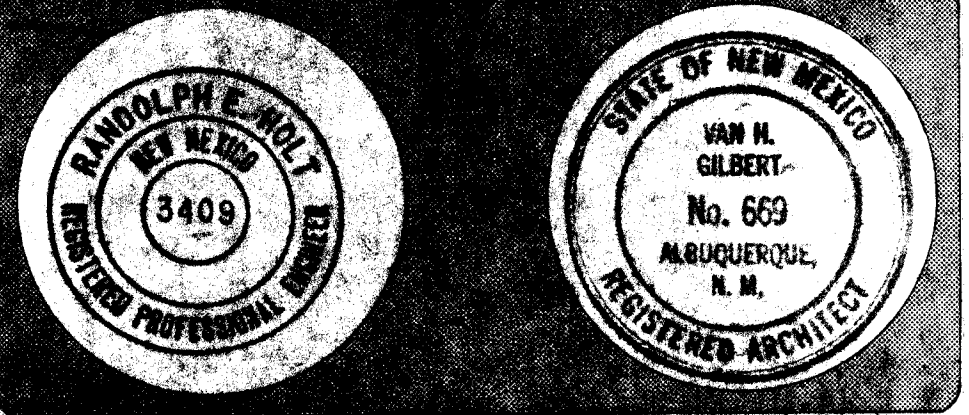


ROOF FRAMING PLAN
 1/8" = 1'-0"

NOTE: COLUMN BRACE LOCATIONS ARE
 SHOWN IN THE PLAN BY USE OF THE
 FOLLOWING DIAGRAM:
 TOP
 BOTTOM
 SEE SECTION FOR CONNECTION DETAILS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

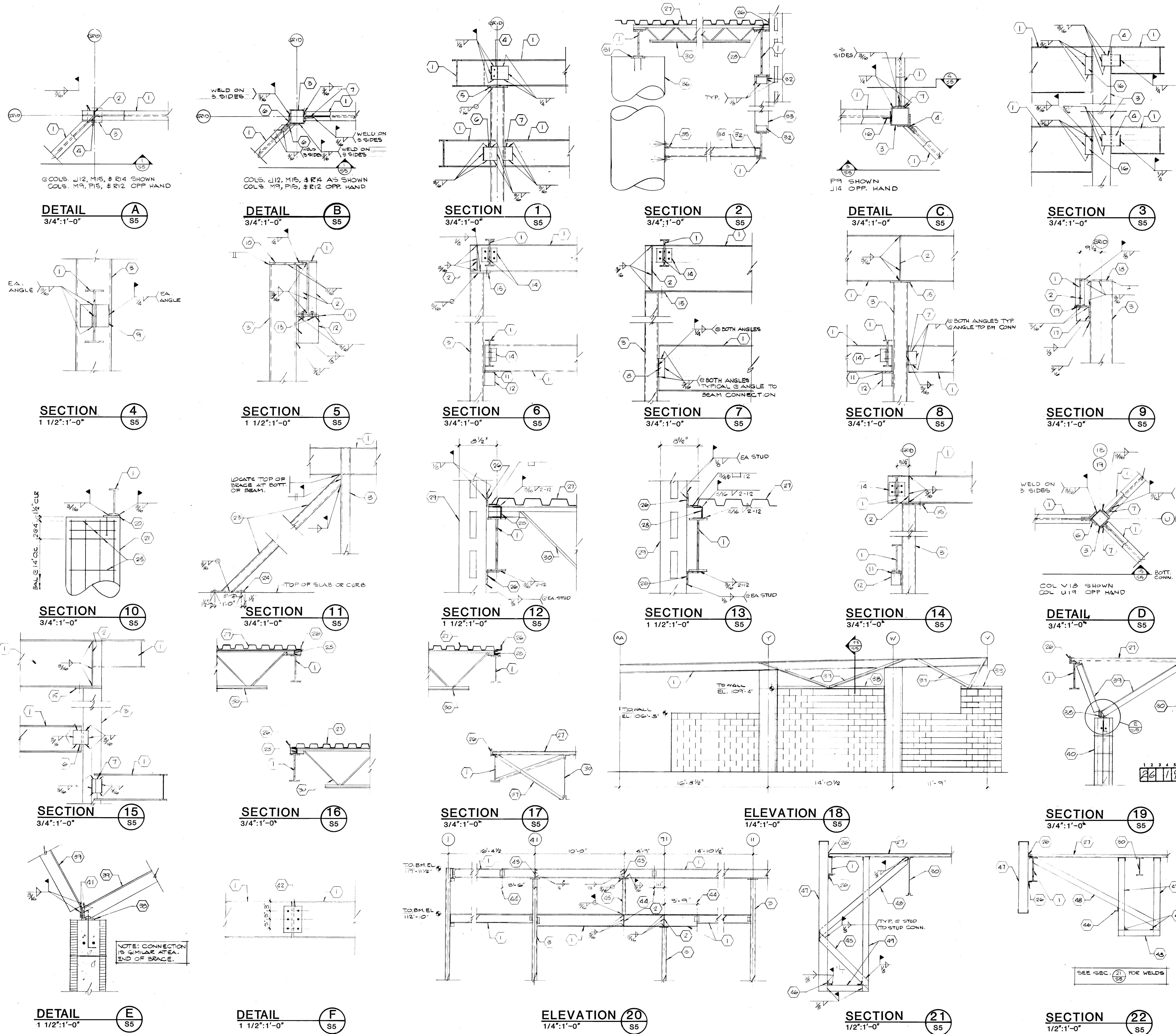
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Date: 12-12-88 Drawn By: JAV

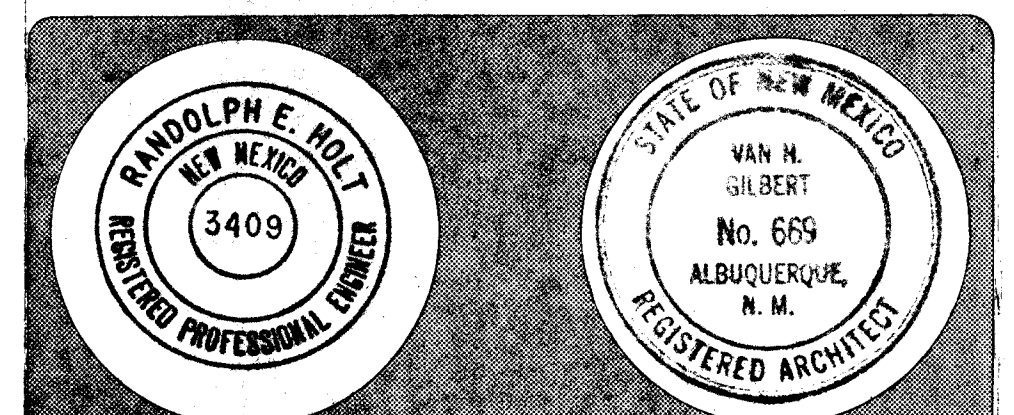
ROOF FRAMING PLAN Sheet 54

1988



- KEYED NOTES**
1. BEAM, SEE PLAN.
 2. 1/4" STIFFENER PLATE.
 3. COLUMN, SEE SCHEDULE.
 4. BENT PLATE 5/16"x6"x0'-8".
 5. 1/2" CAP PLATE.
 6. BENT PLATE 1/4"x6"x0'-7".
 7. WT 4x7.5x0'-6".
 8. 2 - 3x3x5/16x0'-8".
 9. 2 - 3x3x5/16x0'-8".
 10. PLATE 1/2"x7"x0'-8".
 11. PLATE 1/2"x5"x0'-10".
 12. WT5x15x0'-6".
 13. 2 - 3/4"x8" A-325N BOLTS.
 14. 2 - 3"x3"x5/16" WITH 2 - 3/4"x8" A325N BOLTS.
 15. PLATE 1/2"x8"x0'-5" WITH 2 - 3/4"x8" A325N BOLTS.
 16. WT4 x 7.5 x 1'-0".
 17. WT6 x 20 x 0'-6".
 18. PLATE 1/2"x11"x1'-2 1/2".
 19. PLATE 1/2"x7"x0'-8".
 20. PLATE 3/4"x7"x1'-4" WITH 3 - 3/4"x8" HAS.
 21. 2'-0" CONCRETE COLUMN.
 22. 8 - #7 VERTICAL, EQUALLY SPACED.
 23. BRACE, SEE SCHEDULE.
 24. PLATE 1 1/2"x6"x1'-3" WITH 2 - 3/4"x8" WEJ-ITS.
 25. #3 TIES.
 26. ANGLE 3"x3"x1/4" CONTINUOUS.
 27. METAL DECK, SEE PLAN.
 28. 2.5 VS 1 BETWEEN JOISTS, TYPICAL @ ALL EXTERIOR BEAMS.
 29. 6" STEEL STUD.
 30. JOIST, SEE PLAN.
 31. PLATE 1/2"x8"x0'-8" WITH 4 - 1/2"x8" HAS.
 32. 2 ANGLES 3"x3"x3/8"x0'-5" WITH 2 - 3/4" A325N BOLTS.
 33. TS 6"x2"x3/16".
 34. TS 4"x4"x3/16".
 35. 2 ANGLES 3"x3"x3/16"x0'-3" WITH 1 - 5/8"x6" WEJ-IT @ EACH ANGLE.
 36. CONCRETE COLUMN, SEE SECTION 3/52.
 37. DIAGONAL BRIDGING.
 38. ANGLE 3"x3"x1/4" WITH 3/4" ANCHOR BOLT 6 1/2" @ 12" ON CENTER.
 39. ANGLE 3"x3"x3/16" BRACE.
 40. 8" CMU TROMBE WALL WITH #5 @ 48" ON CENTER VERTICAL & ROBB WITH 2 - #5 CONTINUOUS @ 48" ON CENTER HORIZONTAL, GROUT ALL CELLS.
 41. BEND FLANGE CLIP OUTSTANDING FLANGE.
 42. 2 PLATES 3/16"x6"x0'-9" WITH 6 - 3/4" HAS.
 43. 3/16" STIFFENER PLATE.
 44. 1/2" OF BEAM SPLICE, SEE TYPICAL DETAIL F/55.
 45. TS5 x 5 x 1/4 COLUMN WITH PLATE 1/4"x6"x0'-6" CAP PLATE.
 46. ANGLE 2"x2"x1/4".
 47. C6x16 @ 24" ON CENTER.
 48. C4x16 @ 48" ON CENTER.
 49. C4x16 @ 24" ON CENTER.

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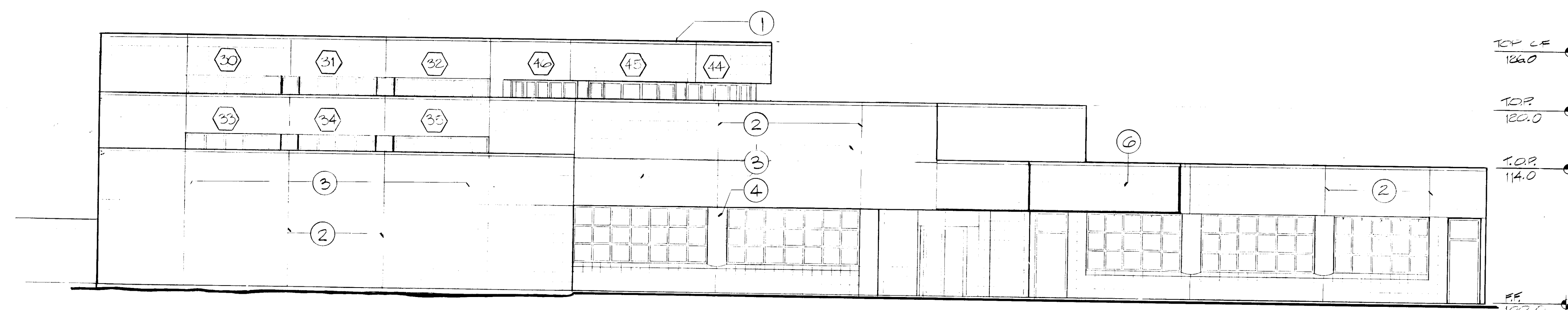


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FRAMING SECTIONS AND DETAILS
Sheet: S5
12 of 24

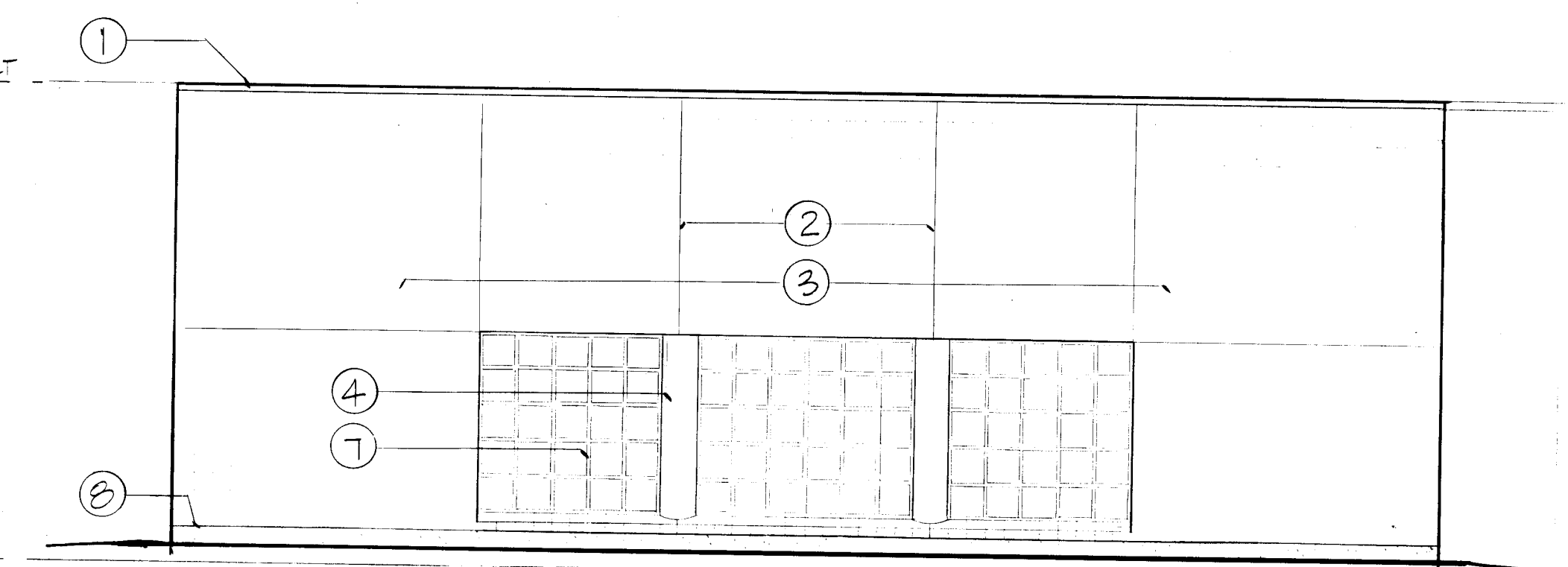
1986

NOTES

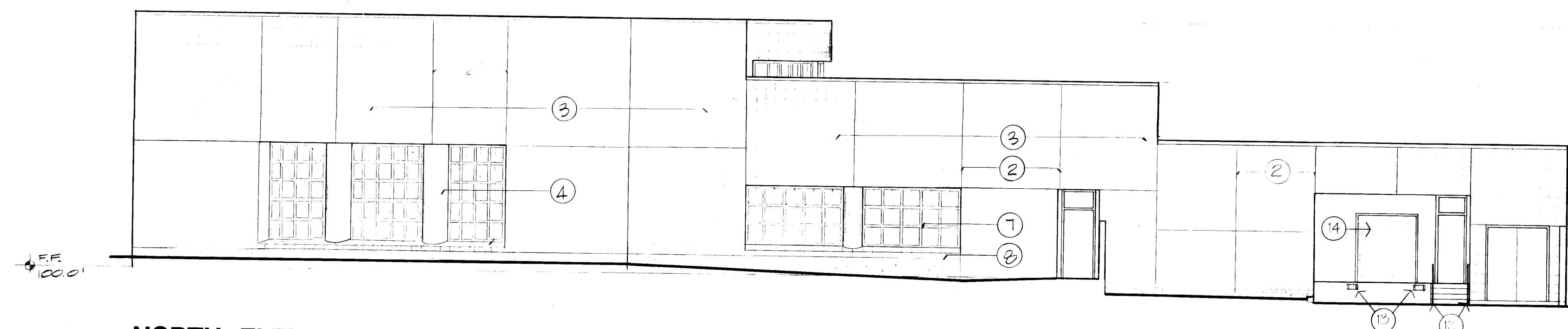
1. ALUMINUM PARAPET COPING; SEE SHEET A-10.
2. 1/4" CONTROL JOINT, TYPICAL.
3. CERAMIC PORCELAIN FACING TILE. TILE MODULE IS 11-3/4 X 11-3/4 WITH 1/4 GROUT JOINT. WALLS ARE LAID OUT BASED ON THIS DIMENSION. CONSULT ARCHITECT BEFORE USING OTHER THAN WHOLE TILE.
4. CONCRETE COLUMN. BASE BID W/RUBBED FINISH.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



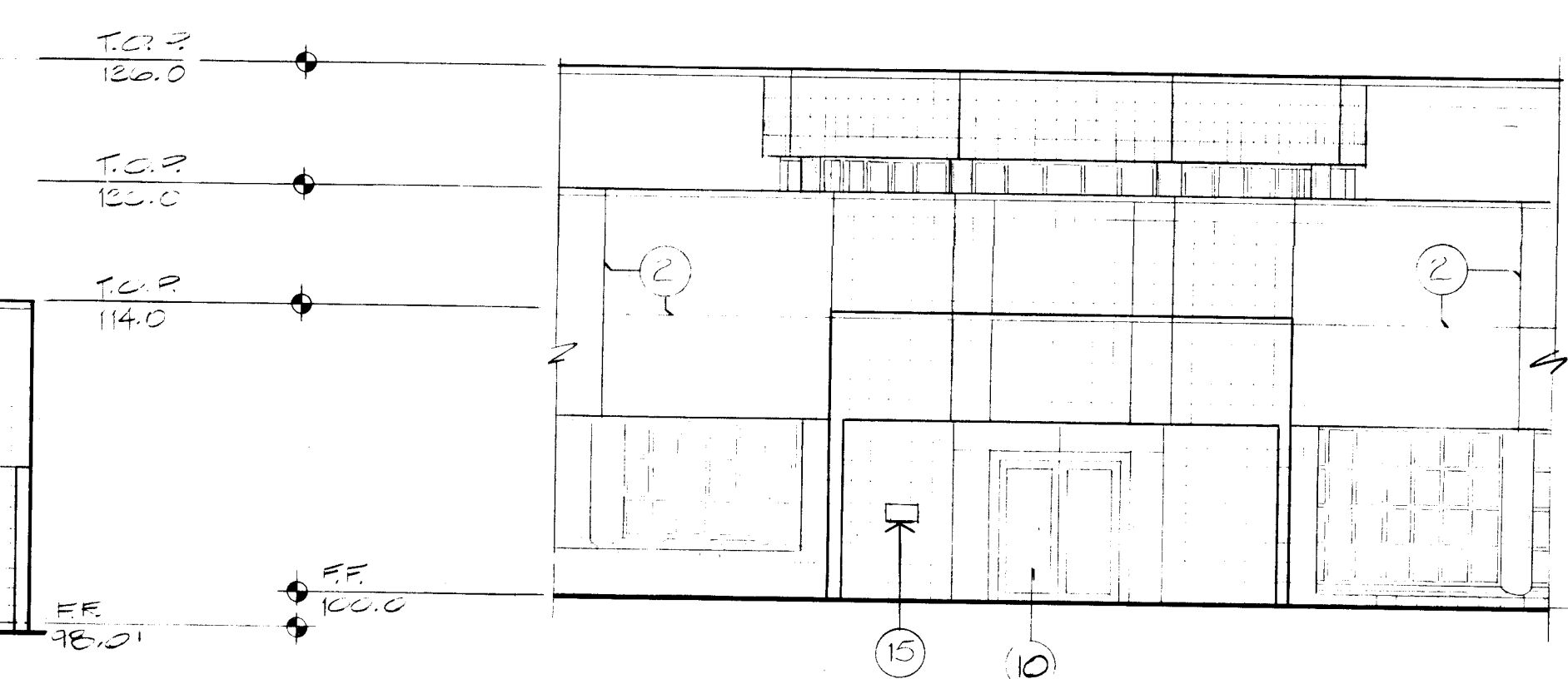
WEST ELEVATION
1/8"=1'-0"



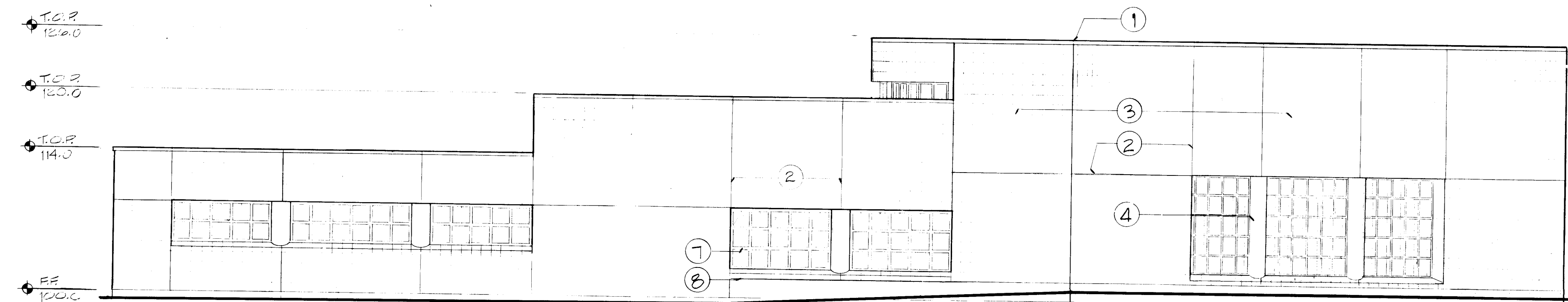
NORTHEAST ELEVATION
1/8"=1'-0"



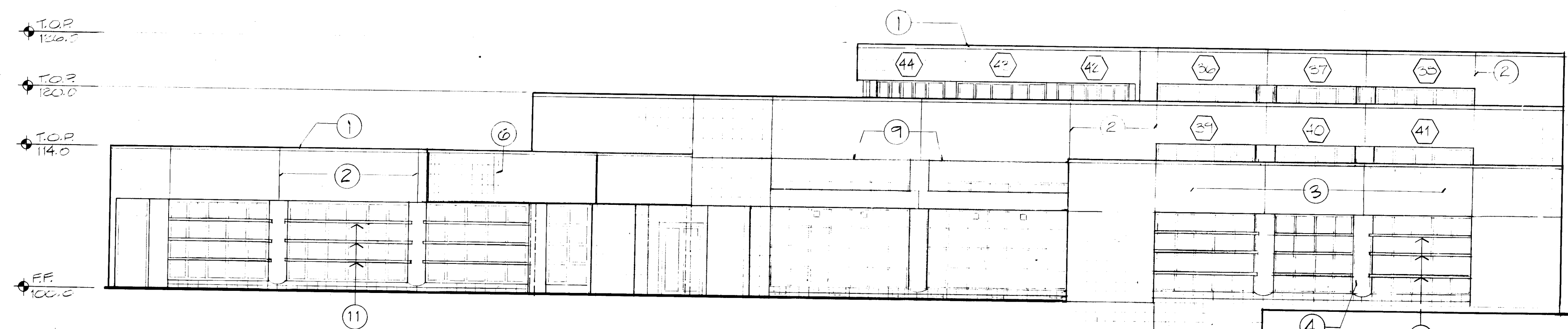
NORTH ELEVATION
1/8"=1'-0"



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



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

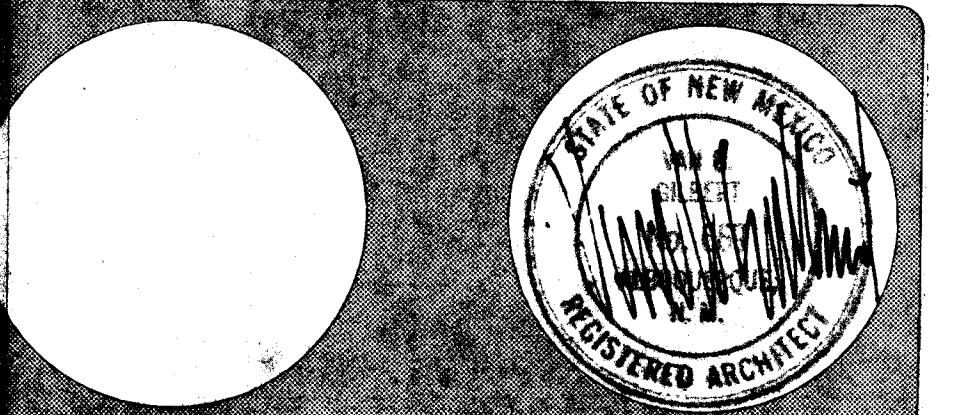


SOUTH ELEVATION
1/8"=1'-0"

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

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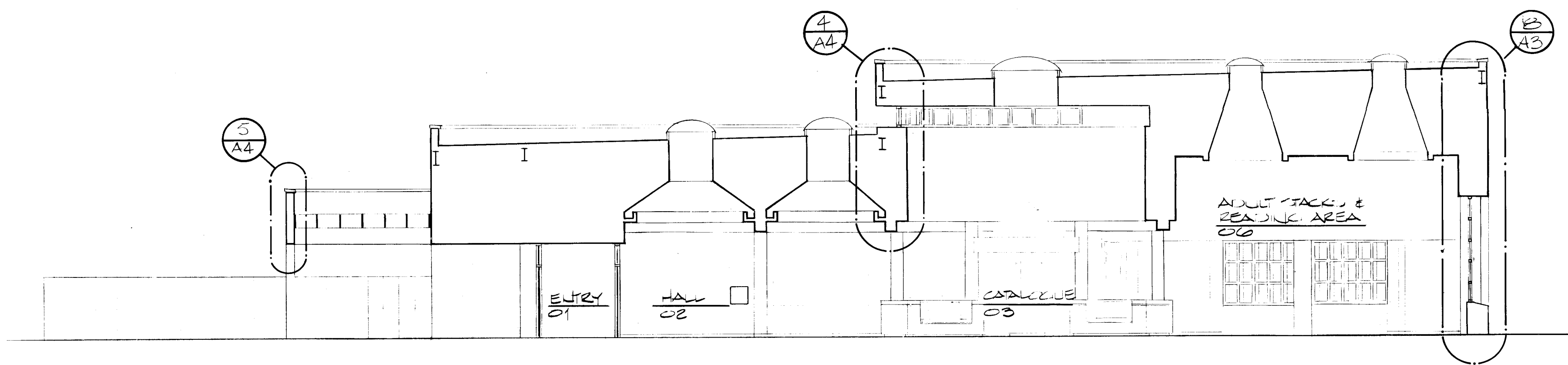
Preparation: Planning
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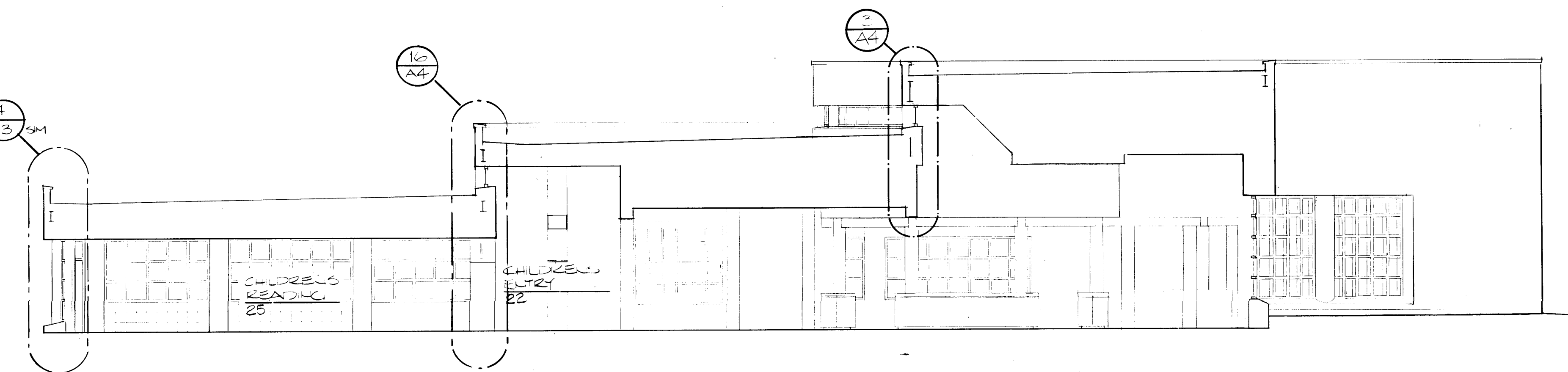
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1986



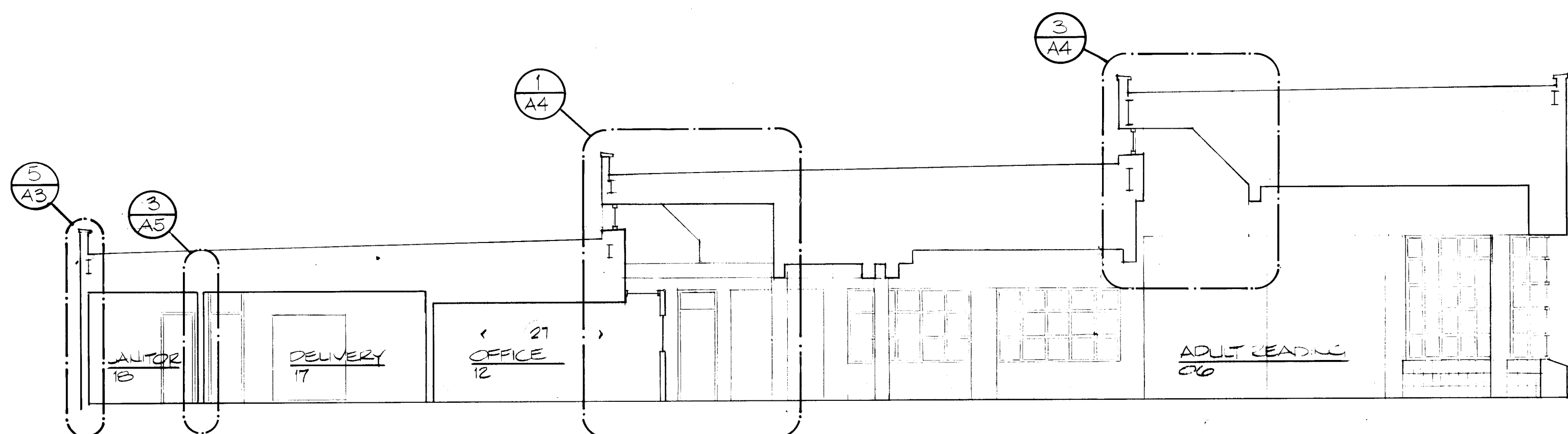
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A
A3



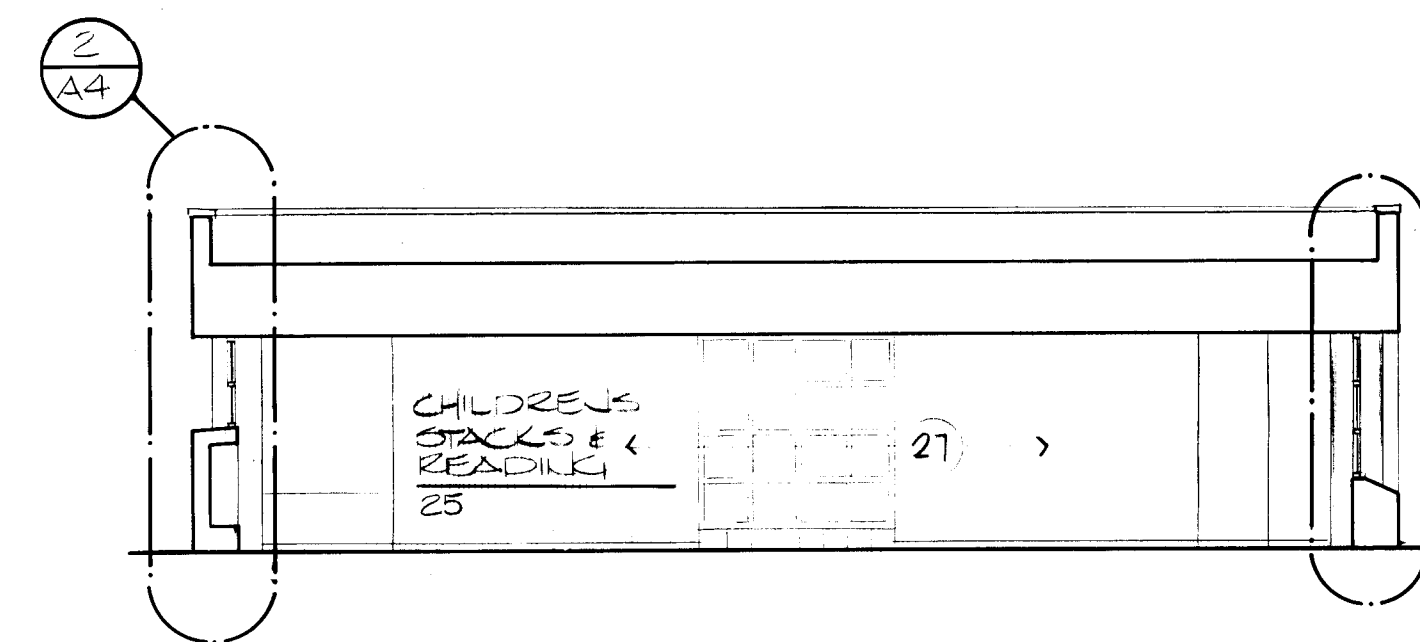
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C
A3



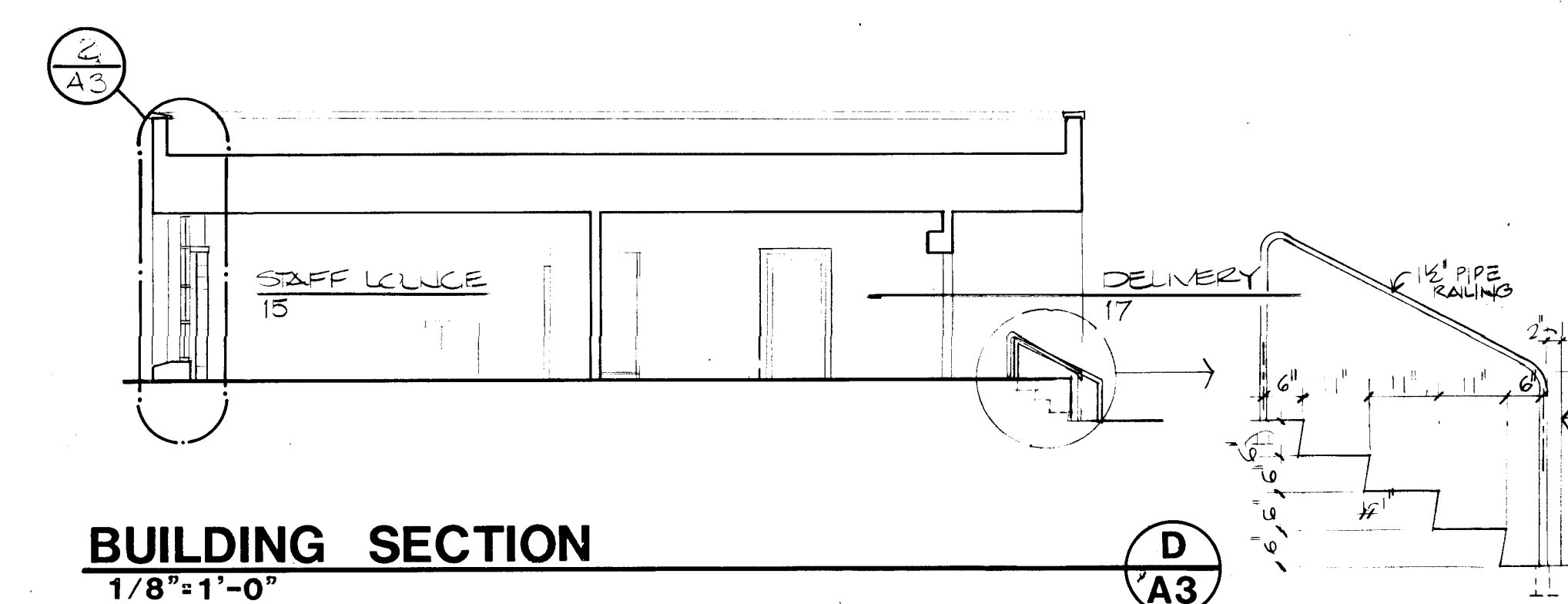
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E
A3



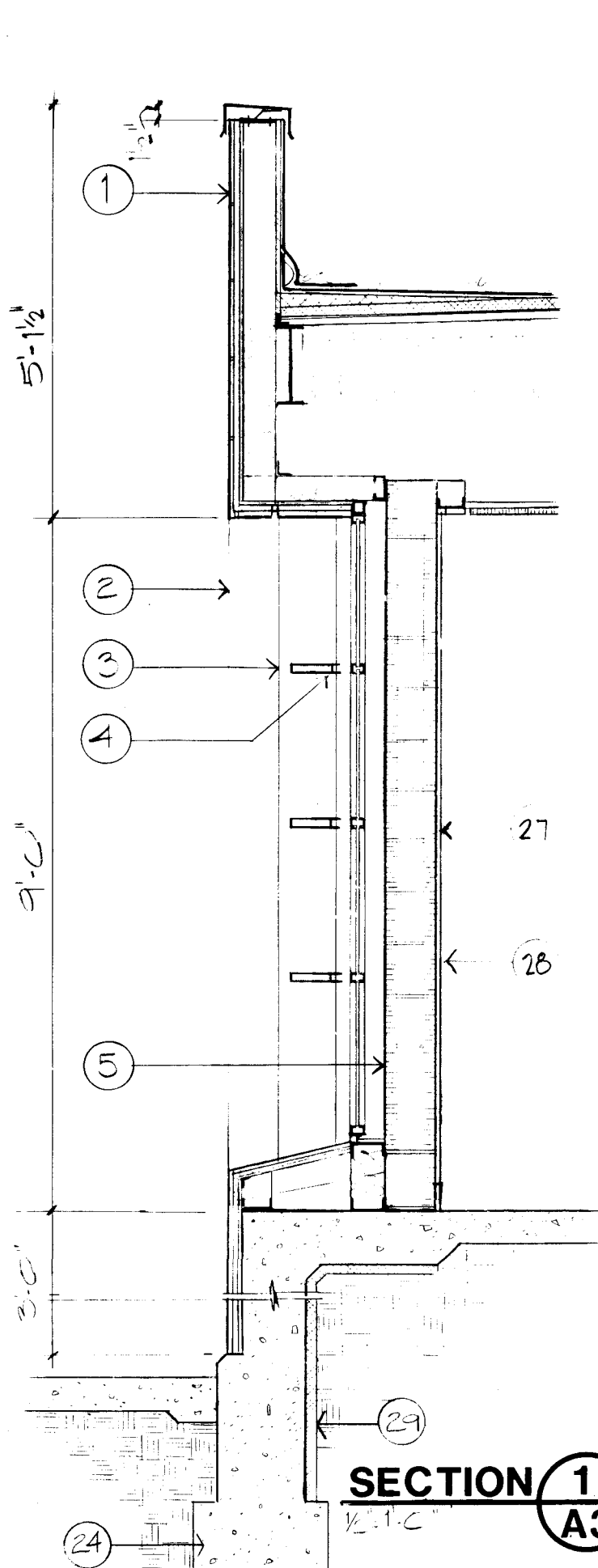
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B
A3

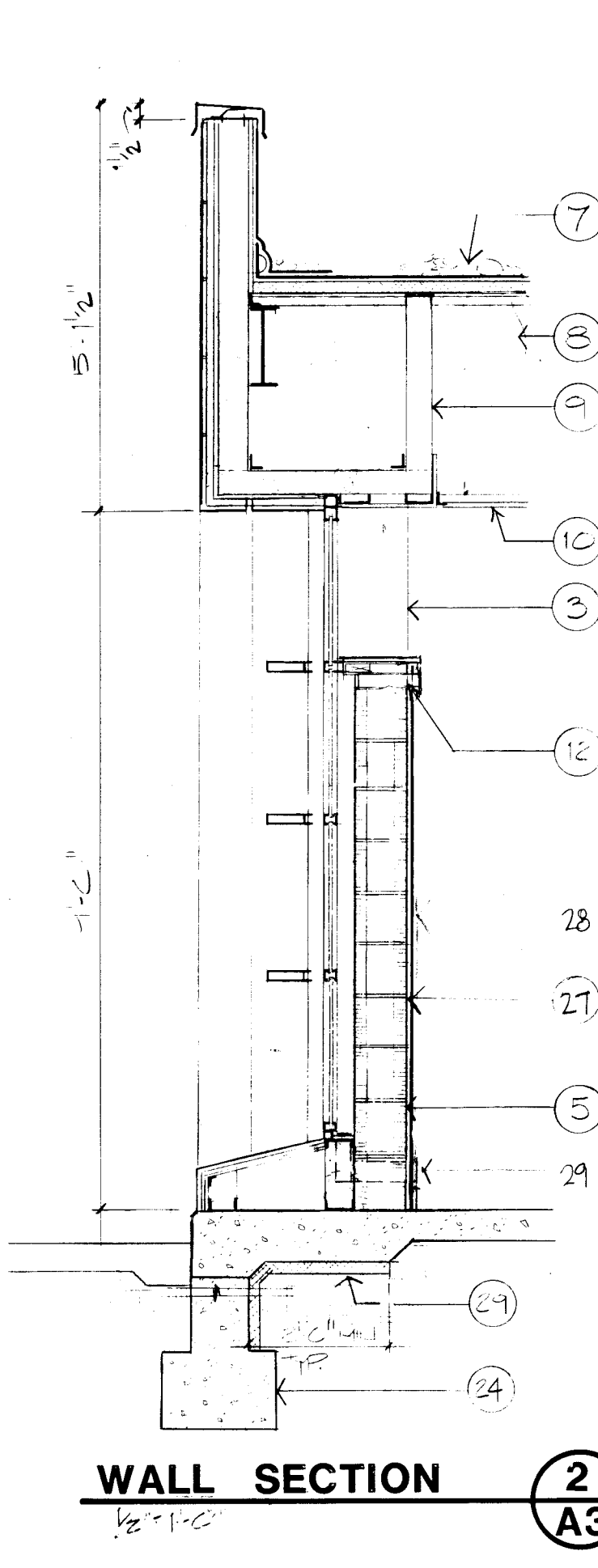


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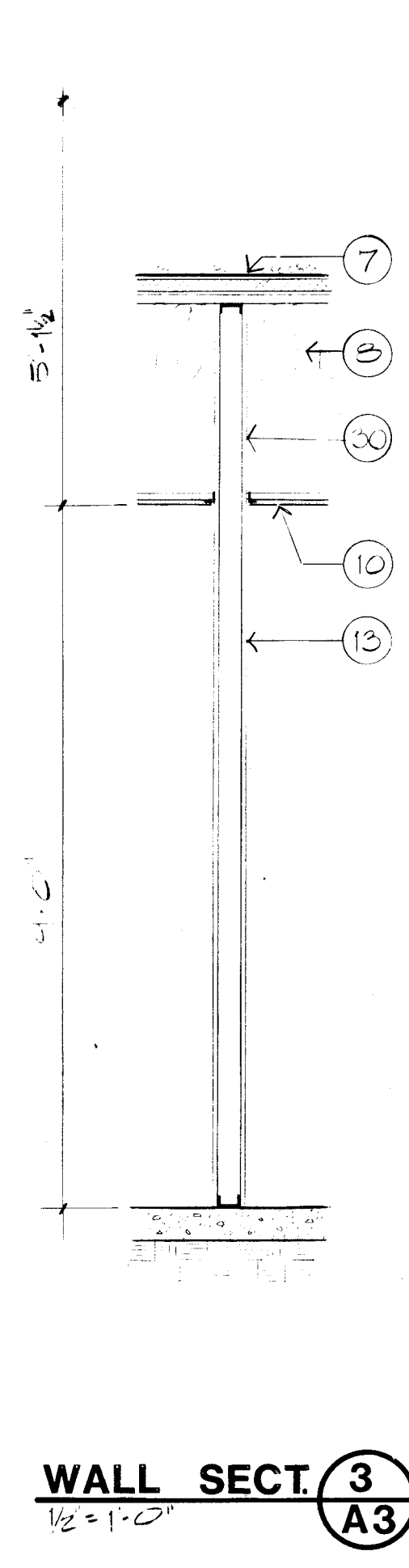
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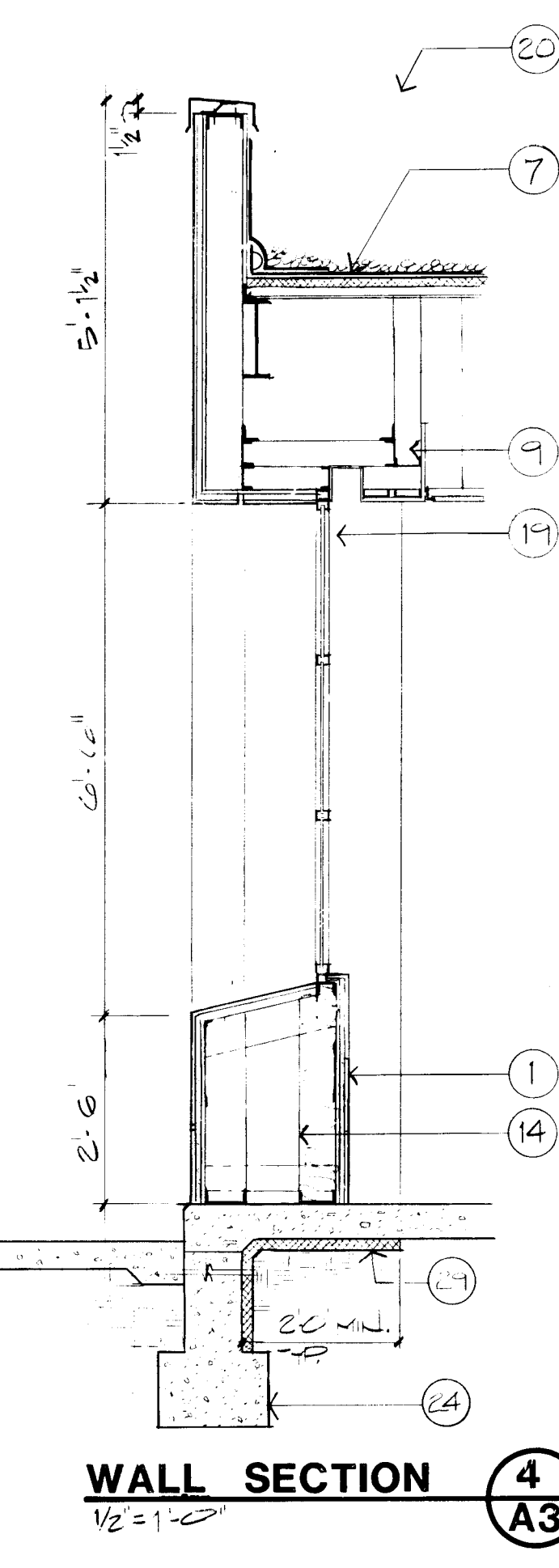
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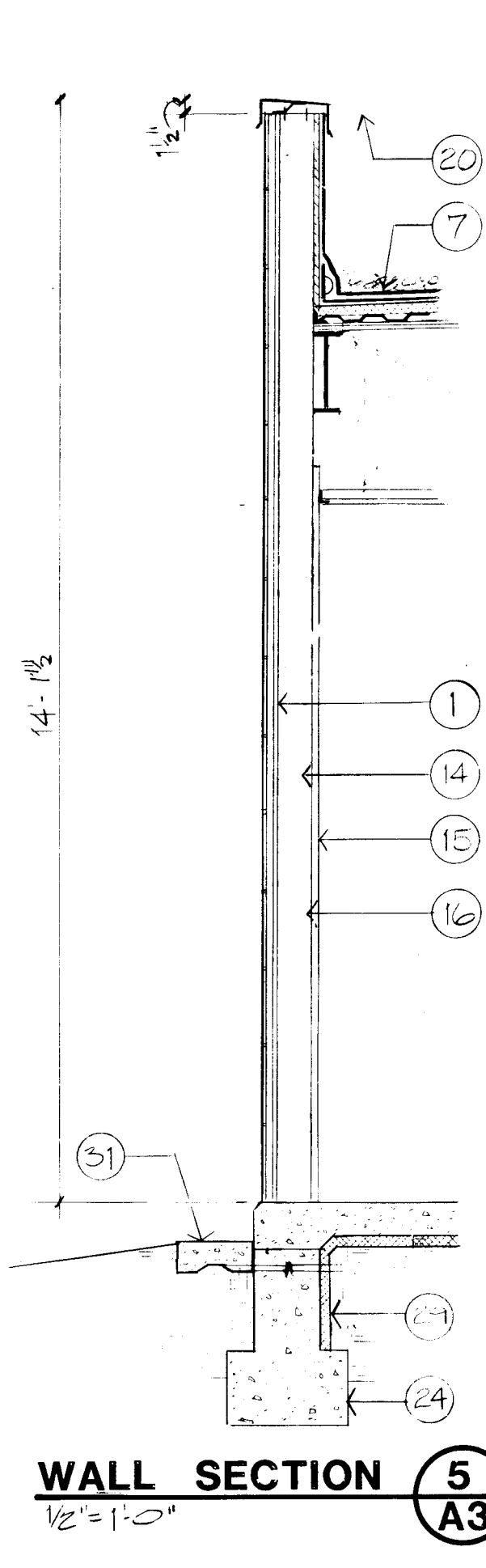
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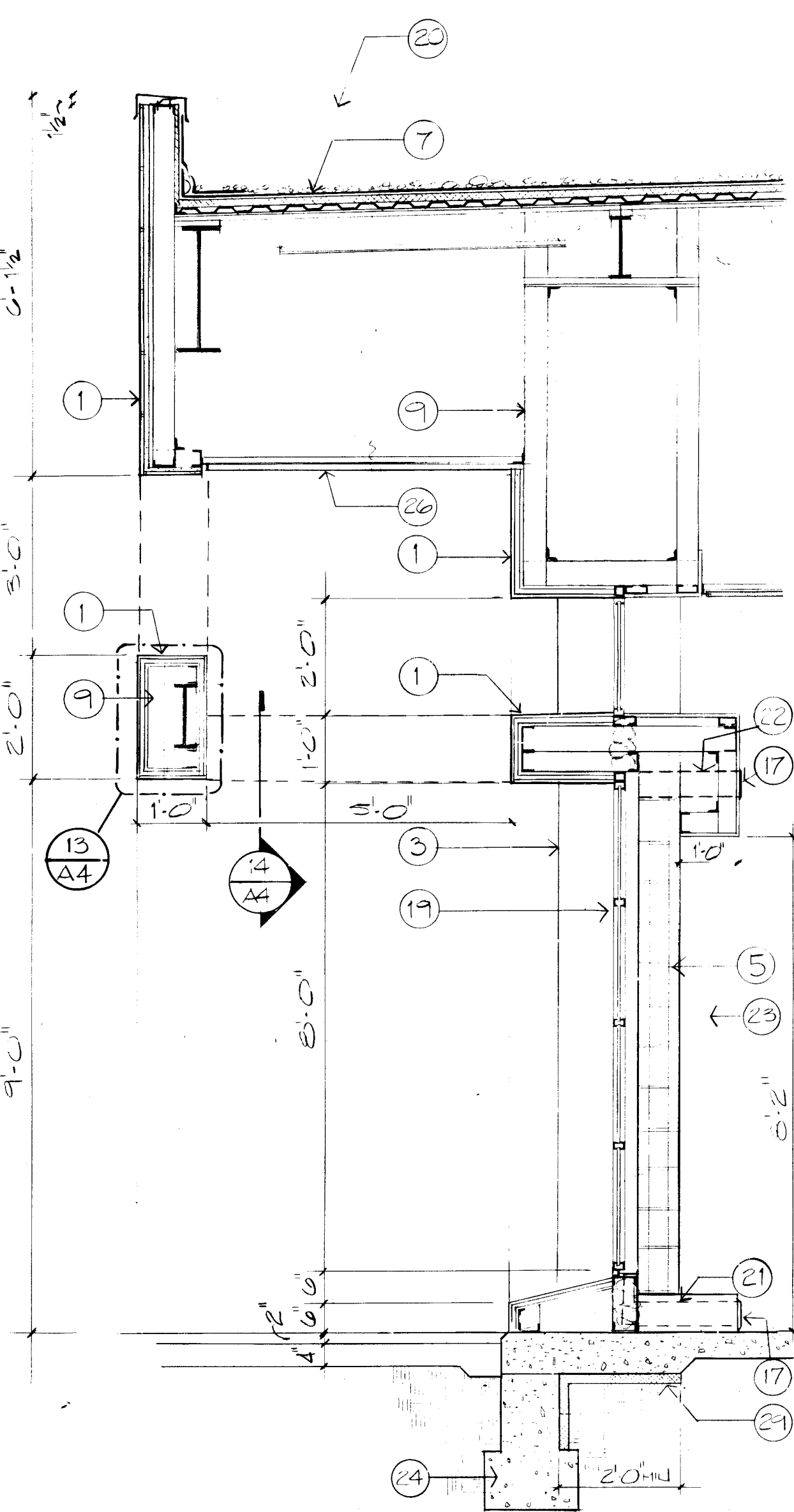
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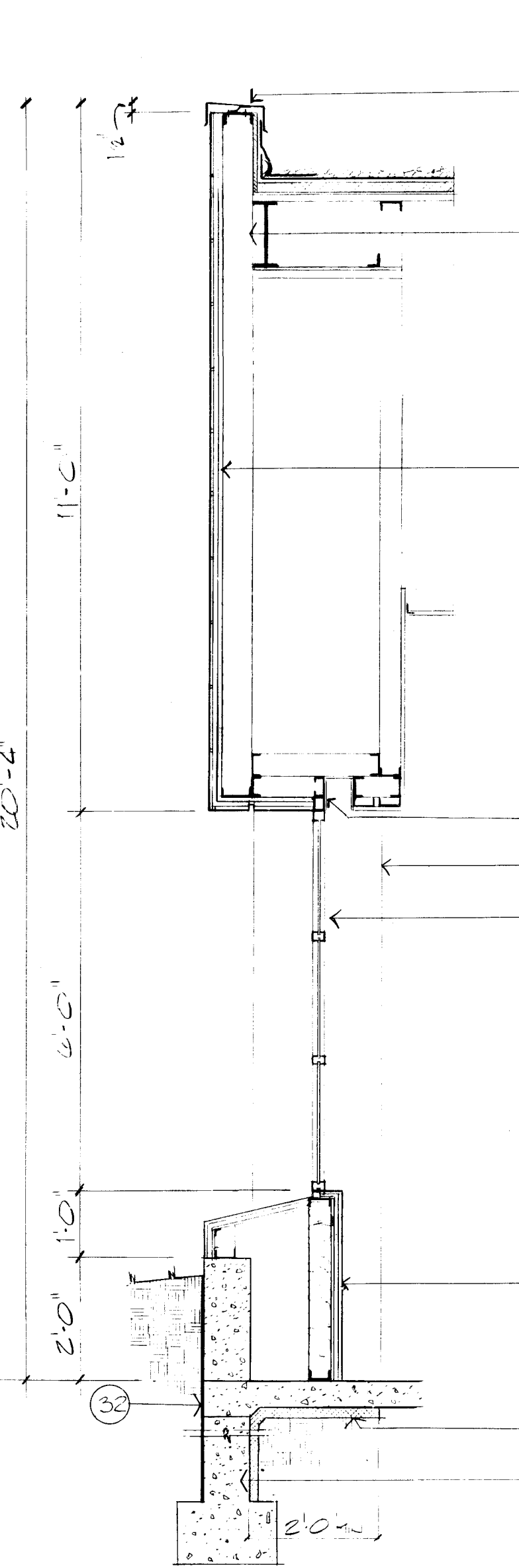
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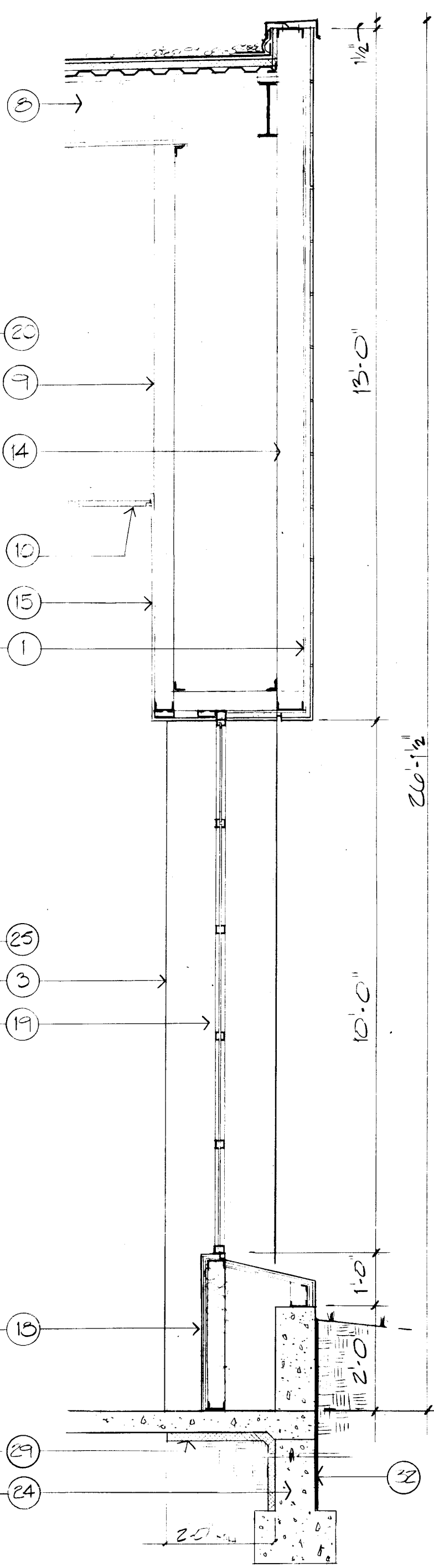
WALL SECTION 5
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WALL SECTION 6
A3



WALL SECTION 7
A3



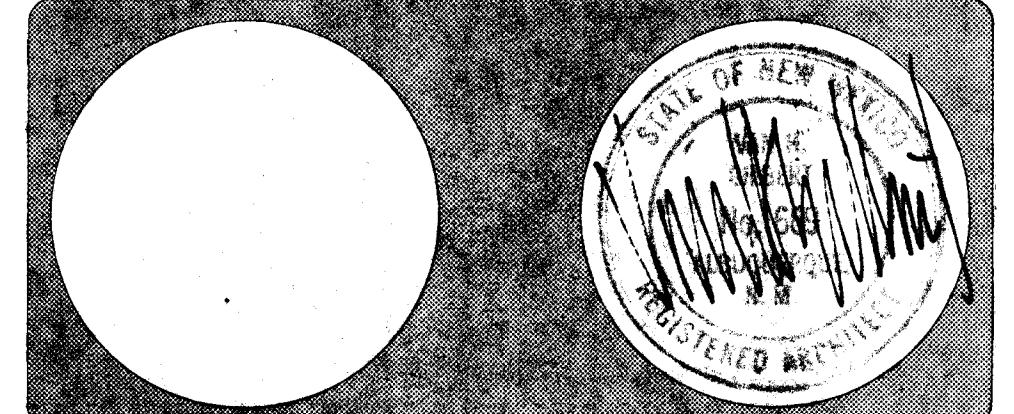
WALL SECTION 8
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NOTES

1. EXTERIOR PORCELAIN CERAMIC FACING TILE ON 1" CEMENT PLASTER MORTAR BED ON 3/4" SELF-PURRING LATH ON 1/2" GYP SHEATHING AS SPECIFIED. TONGUE AND GROOVE ASPHALT-IMPREGNATED 1/2" GYPSUM SHEATHING (INSTALLED HORIZONTALLY WITH TONGUE UP).
2. LINE OF WALL BEYOND.
3. CONCRETE COLUMN BEYOND.
4. ALUMINUM TUBE SECTION SHADING DEVICE, SEE 4, 5, 6/A-9.
5. 8" CWI TROMBE WALL. FILL EACH CELL WITH FINE 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" SUSPENDED LAY-IN ACOUSTICAL CEILING AS SPECIFIED.
10. DELETED.
11. DIFFUSER GRILL, OPERABLE.
12. 5/8" GYPSUM BOARD ON 3-5/8" 25 GA. STEEL STUDS AT 16" O.C.
13. 6" 16 GA. STEEL STUD FRAMING.
14. 5/8" GYPSUM BOARD.
15. FULL R-19 BATT INSULATION. TYPICAL AT ALL EXTERIOR WALLS.
16. 4" X 6" OPERABLE DIFFUSER.
17. PORCELAIN CERAMIC TILE THINSET ON W-R GYPSUM BOARD.
18. WINDOW WALL SYSTEM AS SPECIFIED. SEE SHEET A-9 FOR DETAILS.
19. ALUMINUM PARAPET COPING. SEE 3/A10.
20. 8" CONCRETE CURB WITH 4" X 8" DUCT.
21. 4" X 6" AIR DUCT. LOCATE AS INDICATED ON SHEET A-2.
22. SHELVING RECESS.
23. FOOTINGS; SEE STRUCTURAL.
24. SHEET METAL MINI-BLIND RECESS, PAINTED.
25. 3/4" 2-COAT GYP PLASTER WITH KENES SMOOTH TEXTURE. PAINTED ON 3/4" SELF-PURRING LATH/7/8" BATT CHANNELS AND 1-1/2" STEEL CHANNELS.
26. FABRIC WALL COVERING.
27. PLASTER LEVELING COAT AS A SUBSTRATE FOR WALL FABRIC.
28. RIGID PERIMETER INSULATION, R-5.8 MINIMUM.
29. 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.
30. CONC. MON STRIP, SEE SHEET C-4.
31. SIMULTANEOUS WATERPROOFING, AS SPECIFIED.
32. TROMBE WALL INLET GRILL. CONNECTED TO SHEET METAL DUCT TO TROMBE WALL SPACE.

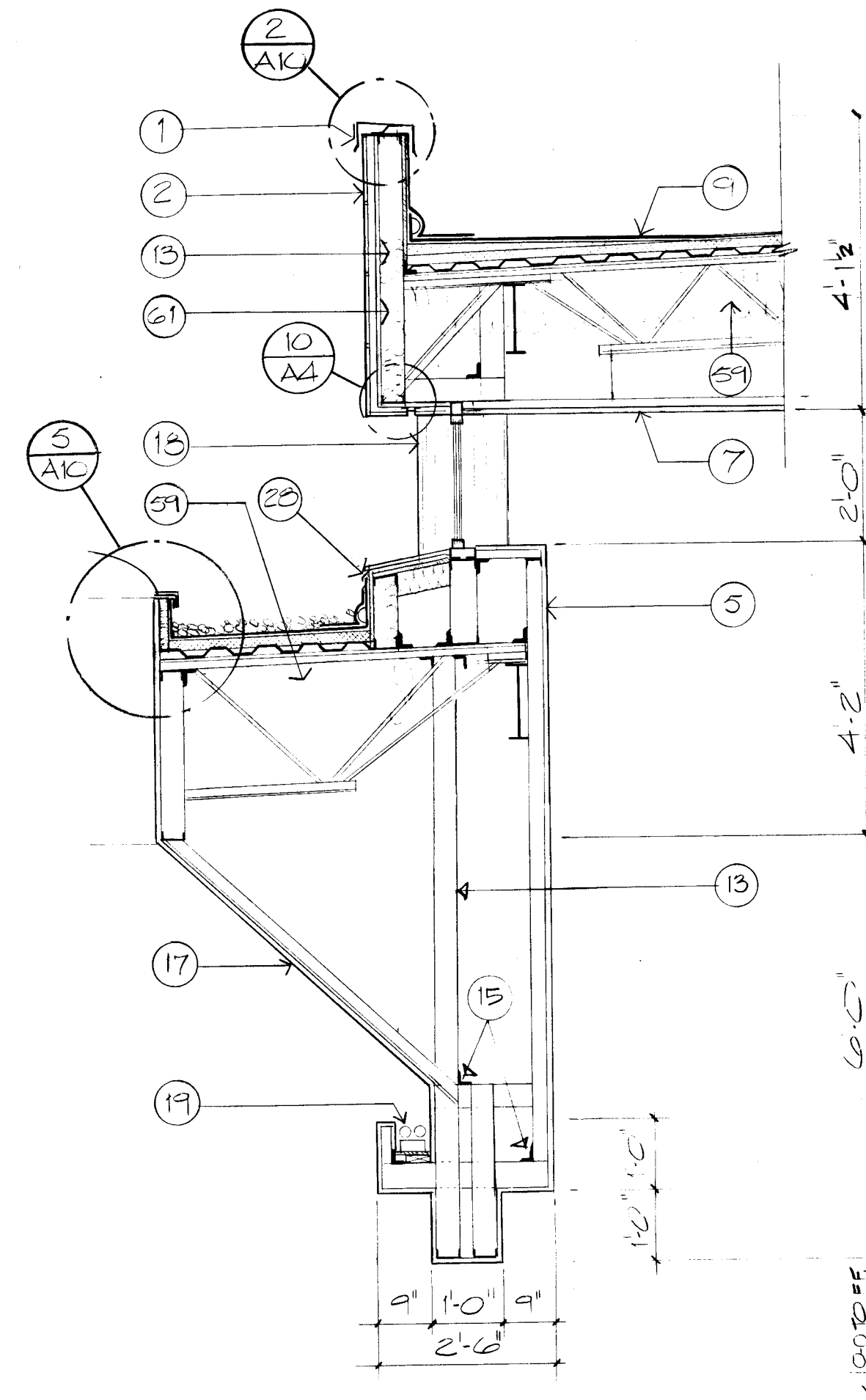
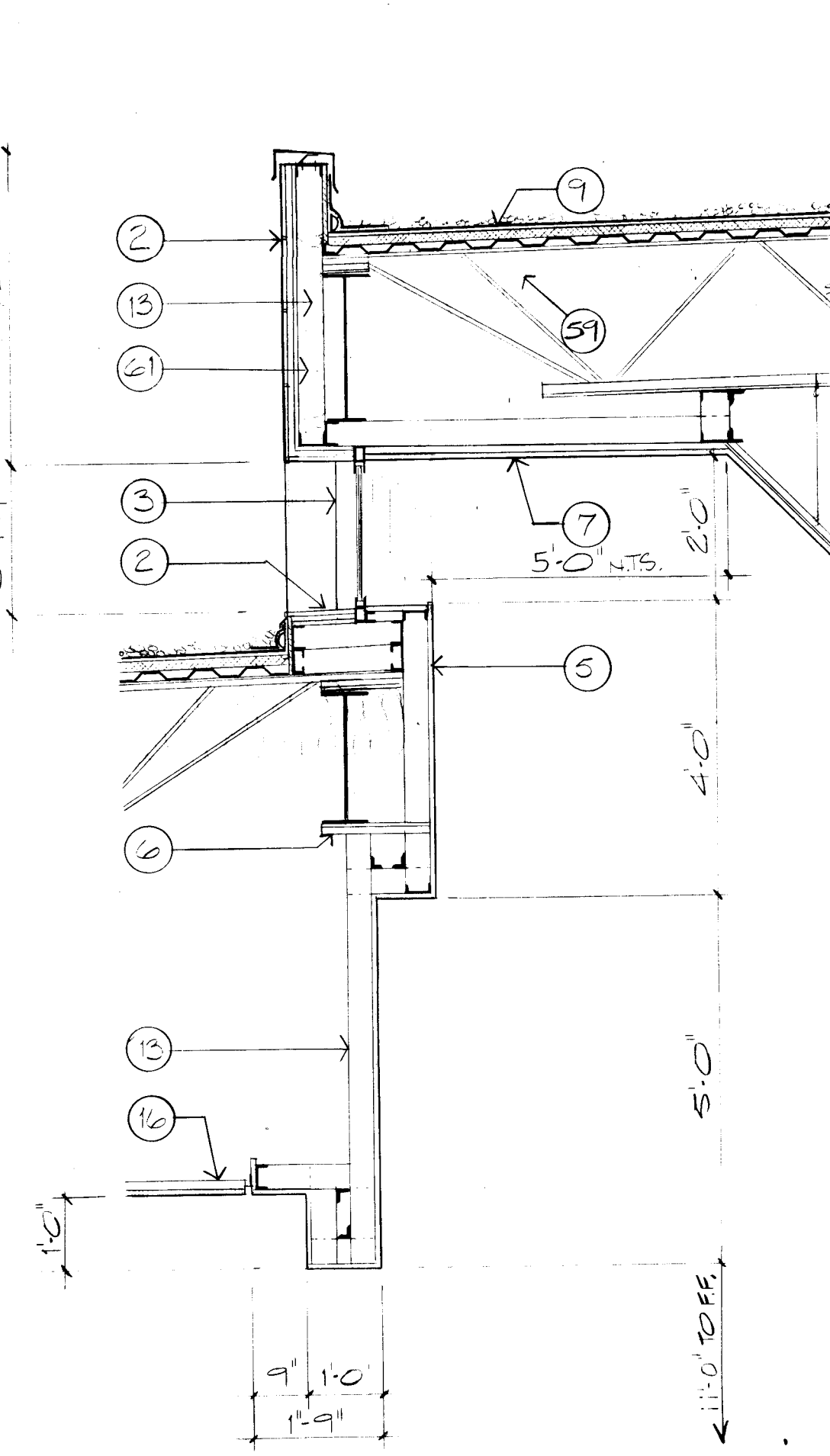
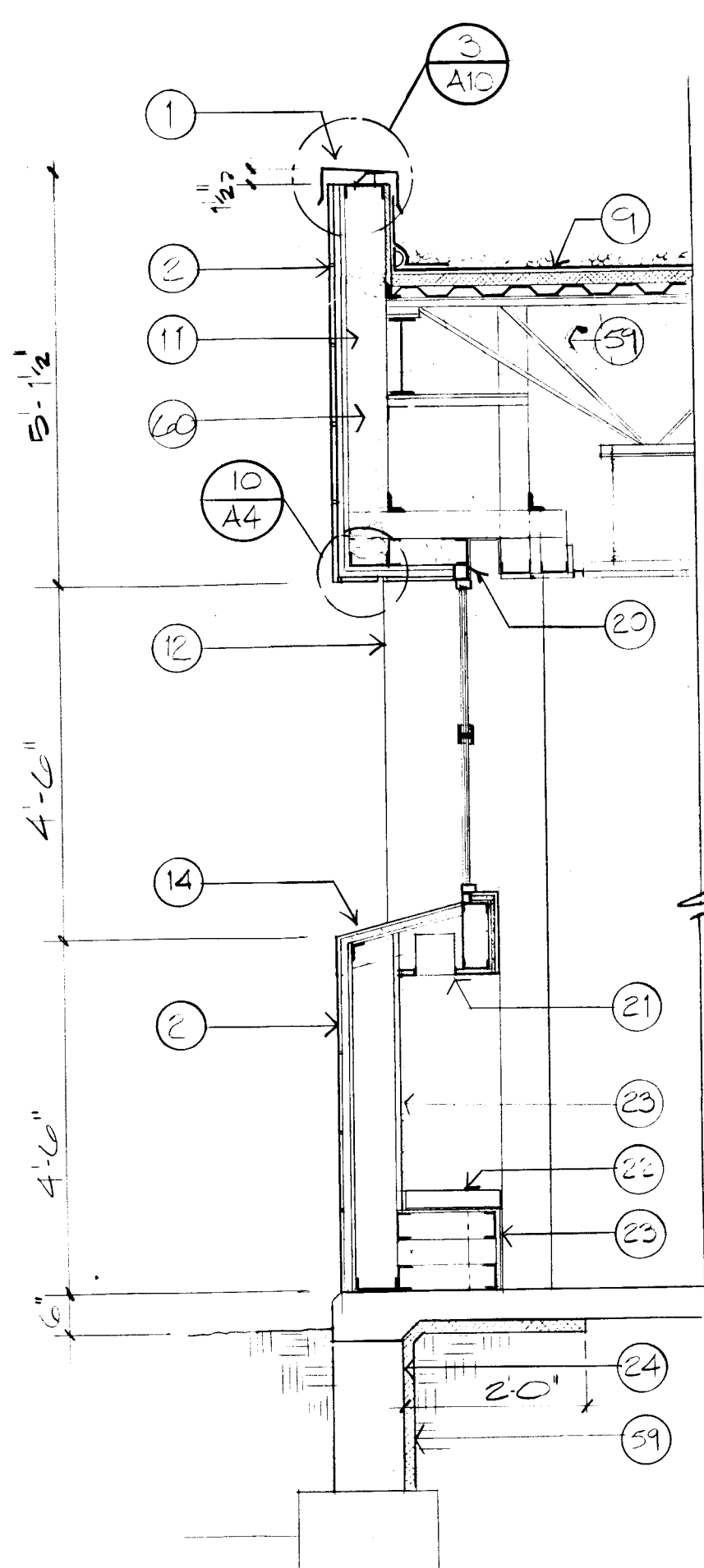
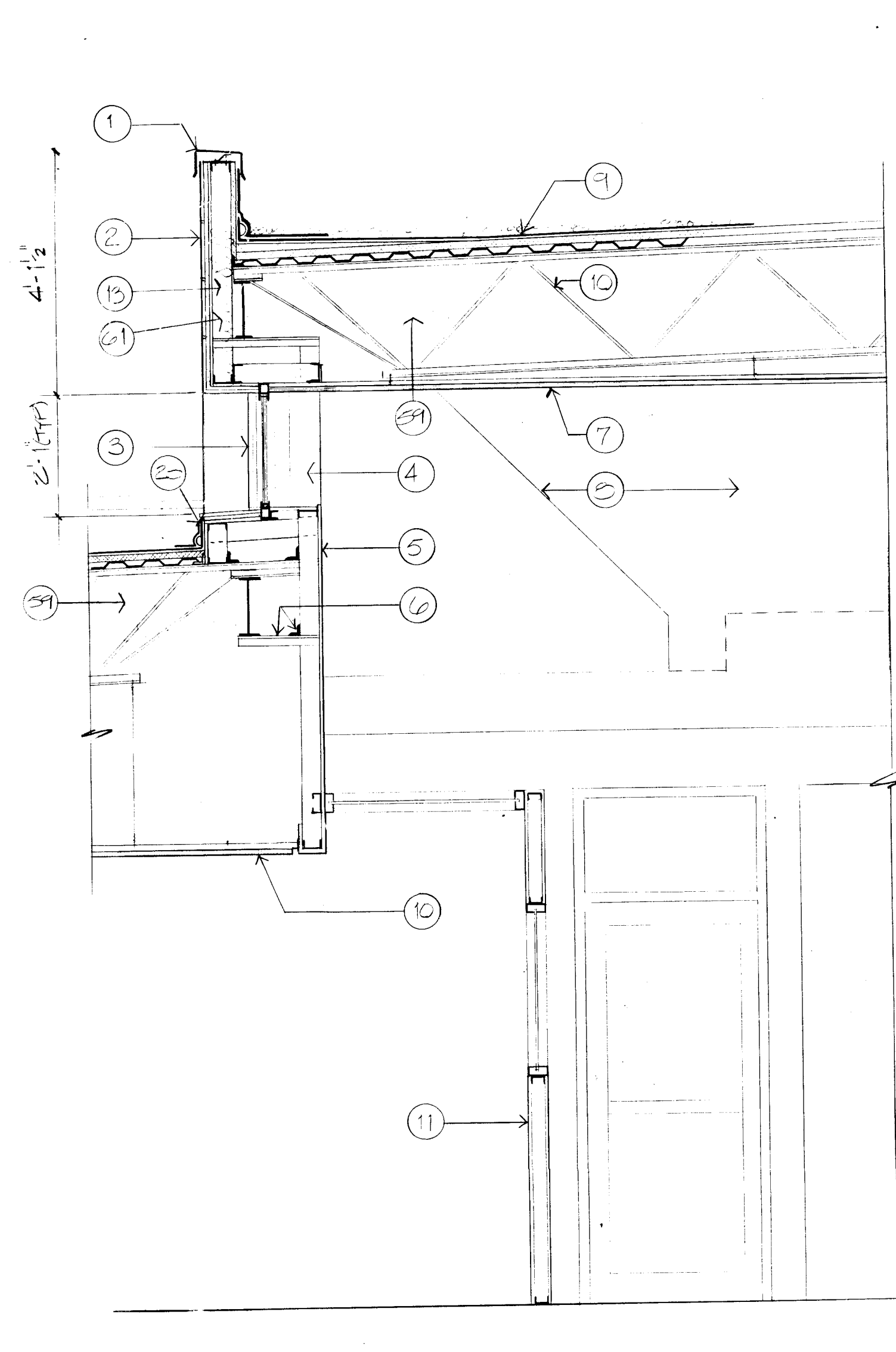
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BUILDING SECTIONS
WALL SECTIONS
Sheet **A3**
15 of 24

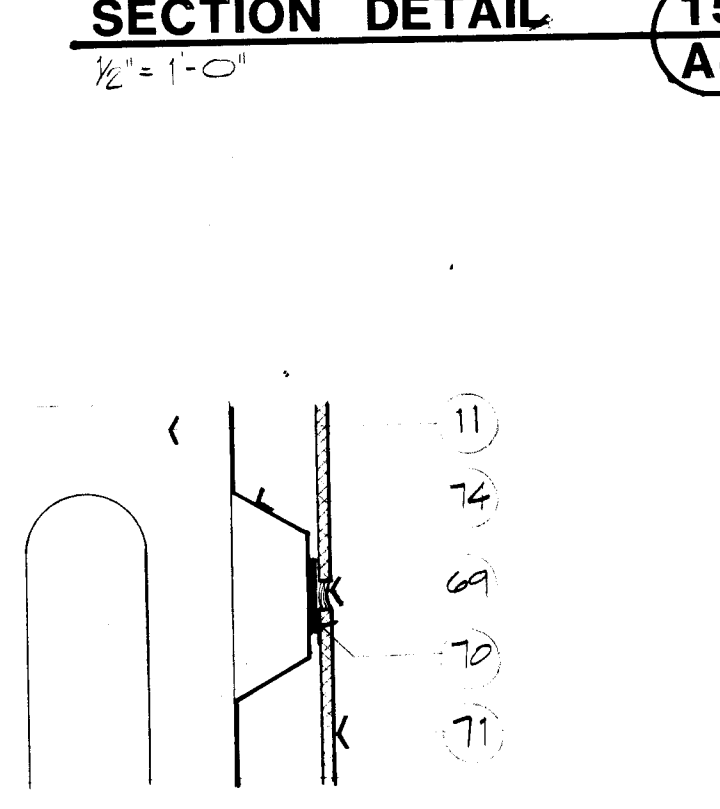
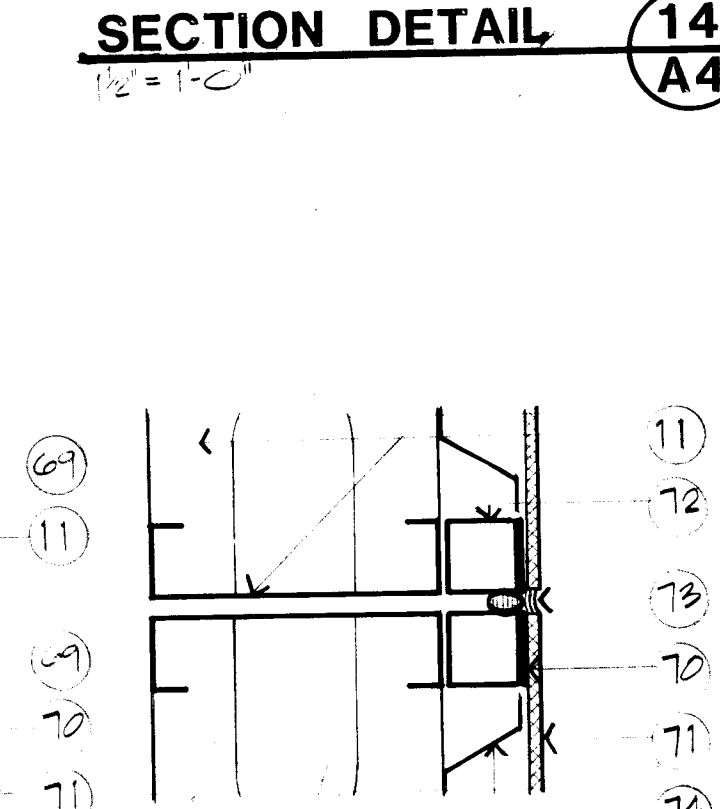
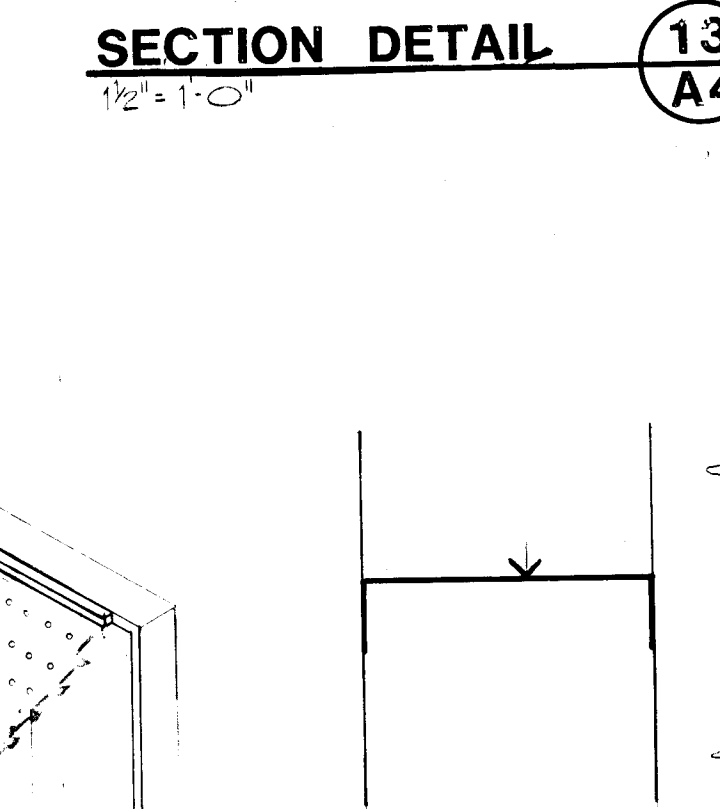
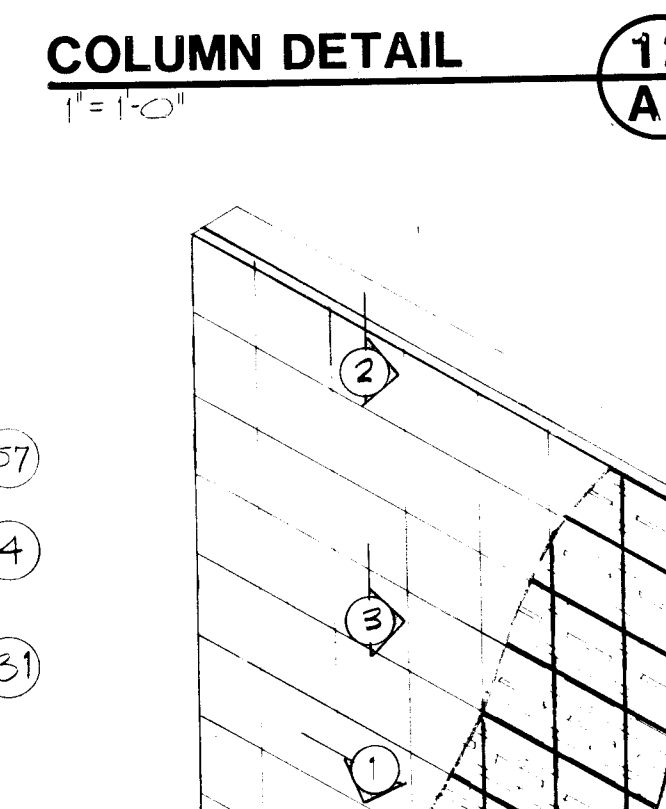
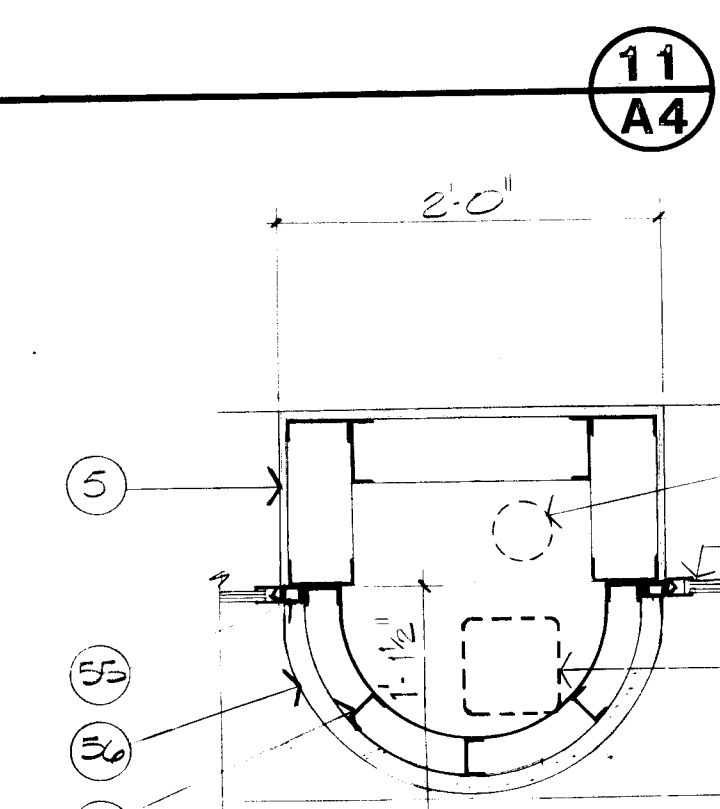
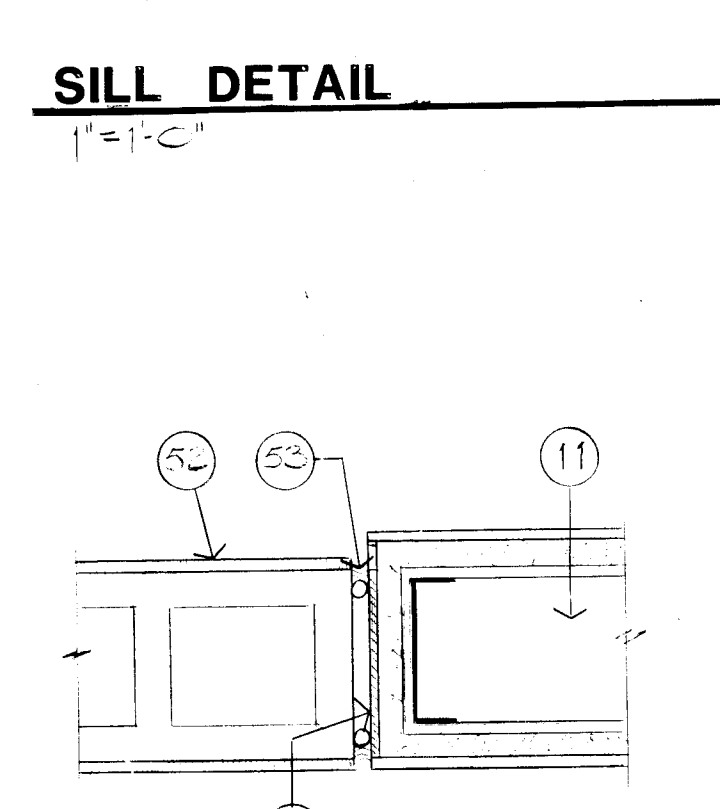
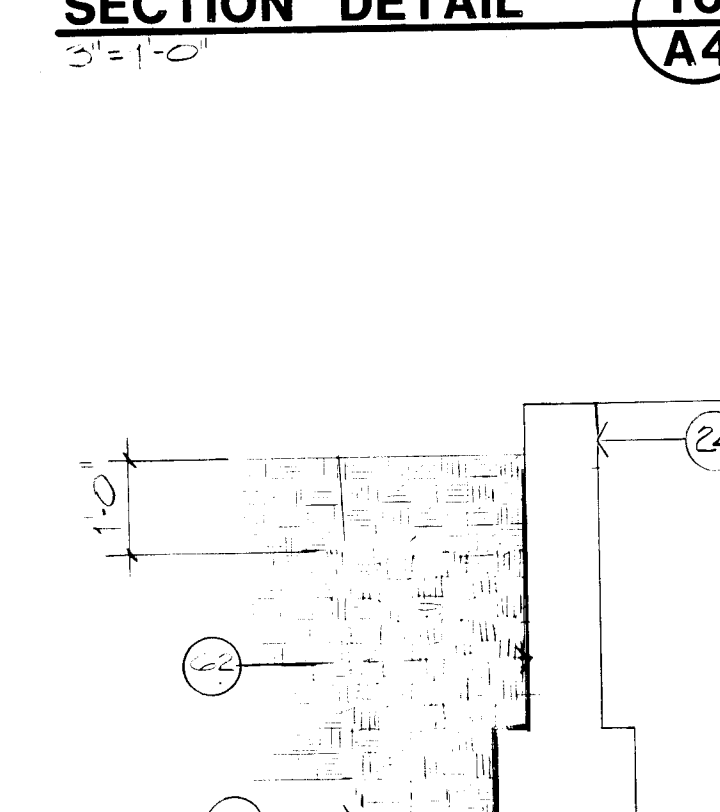
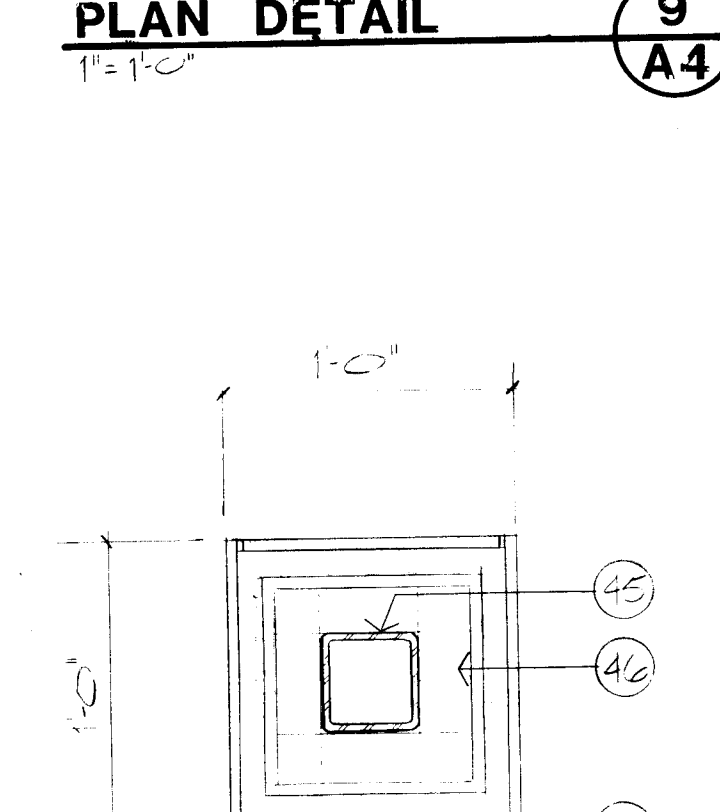
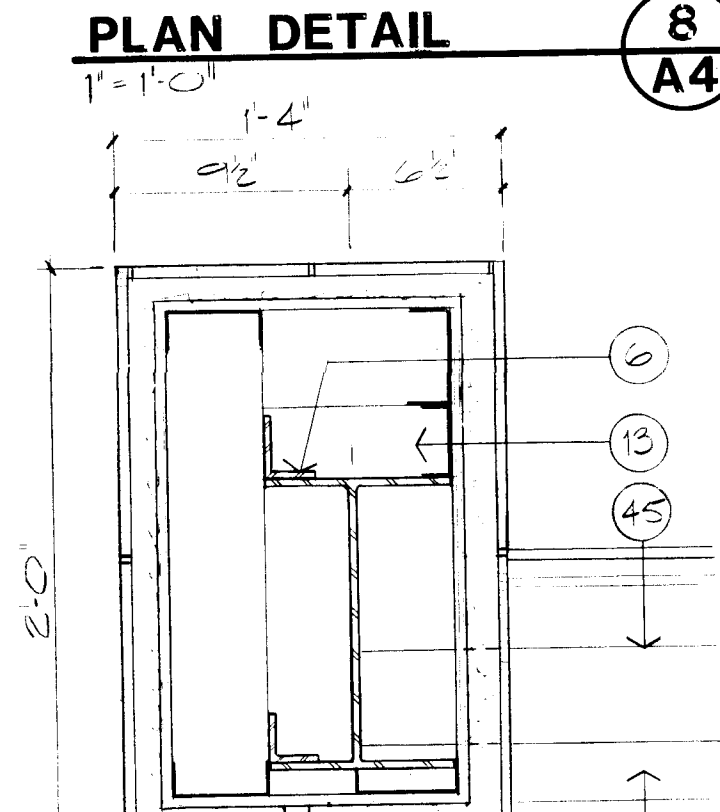
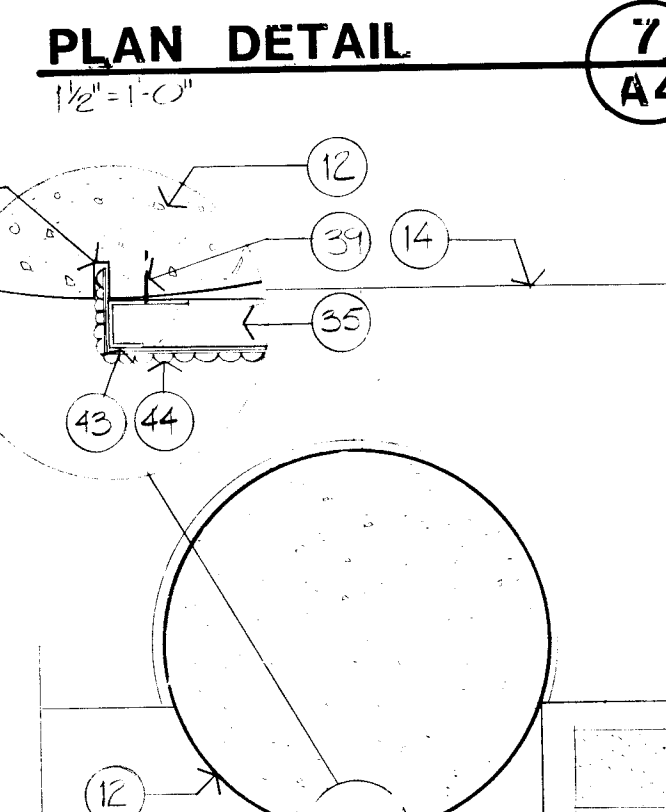
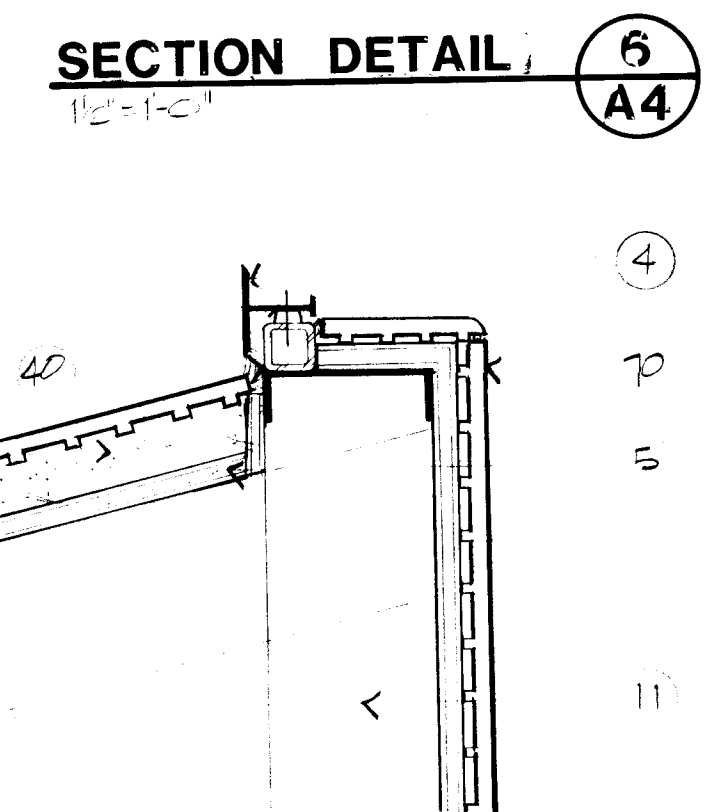
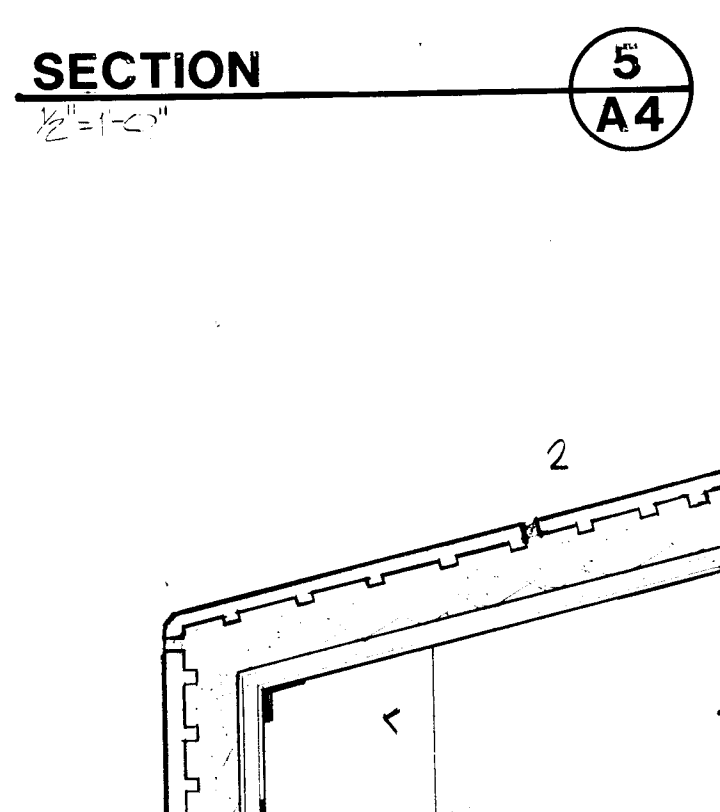
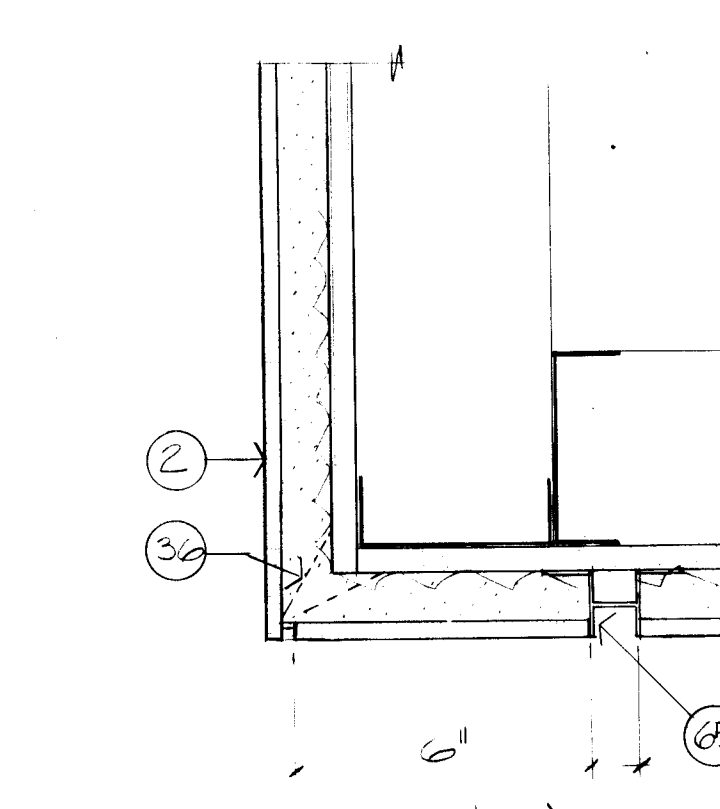
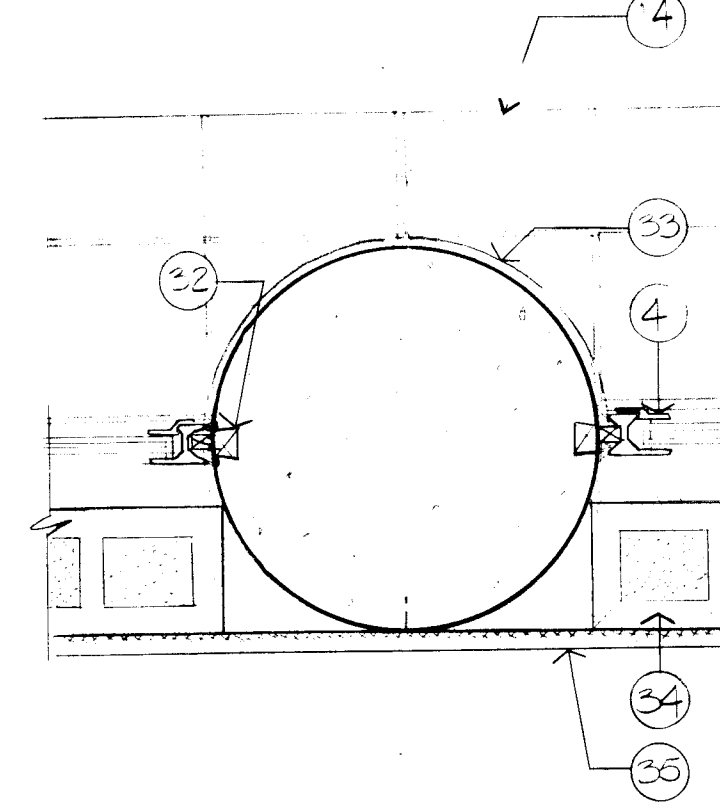
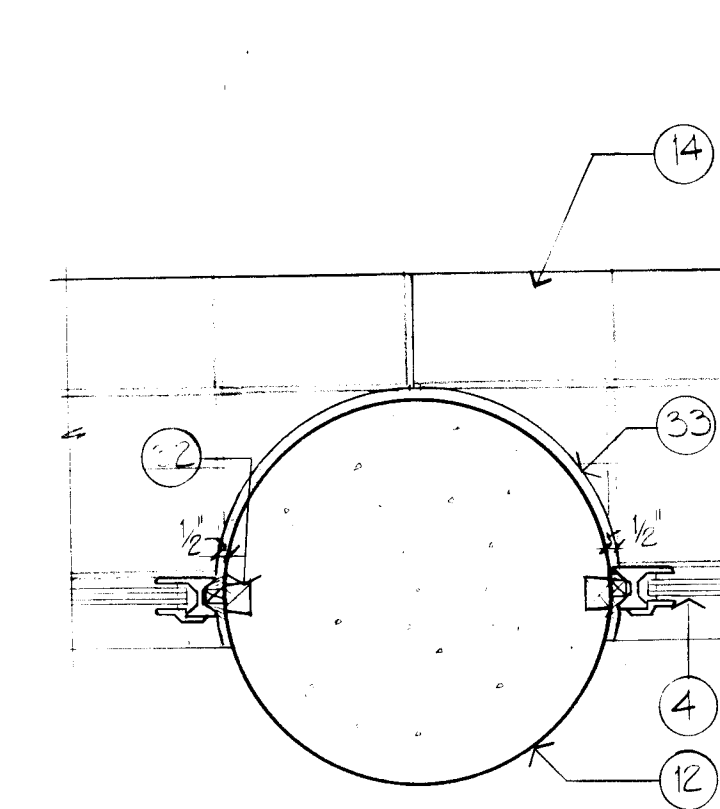
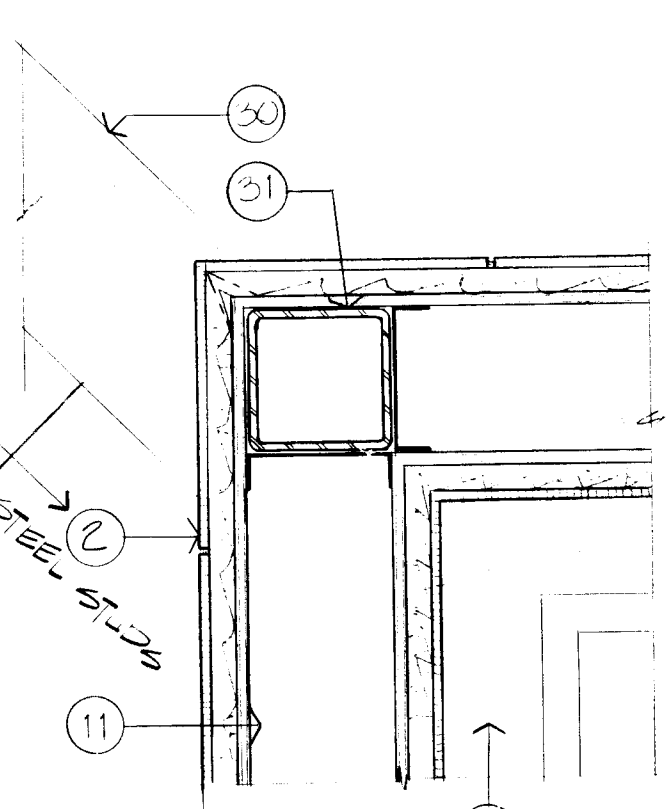
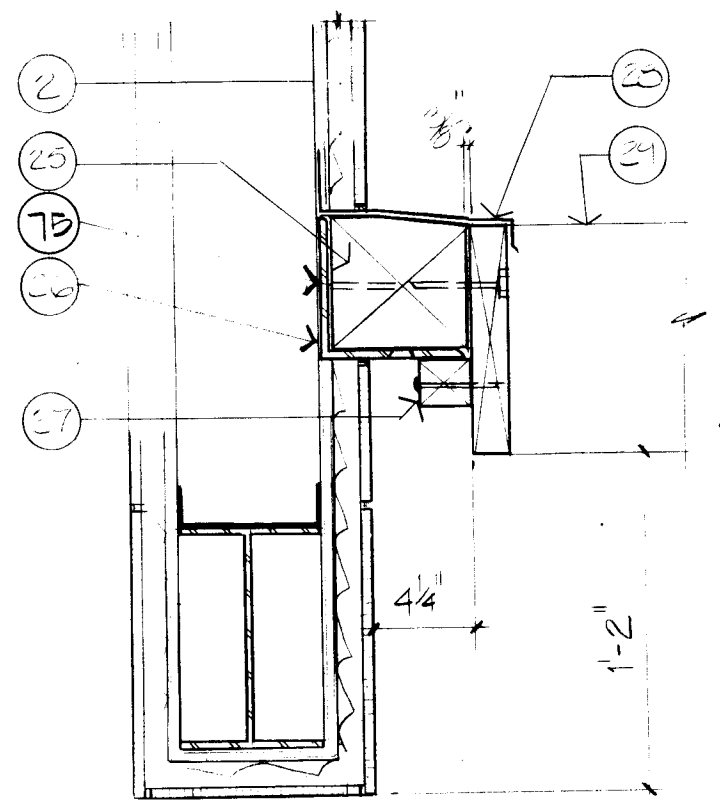
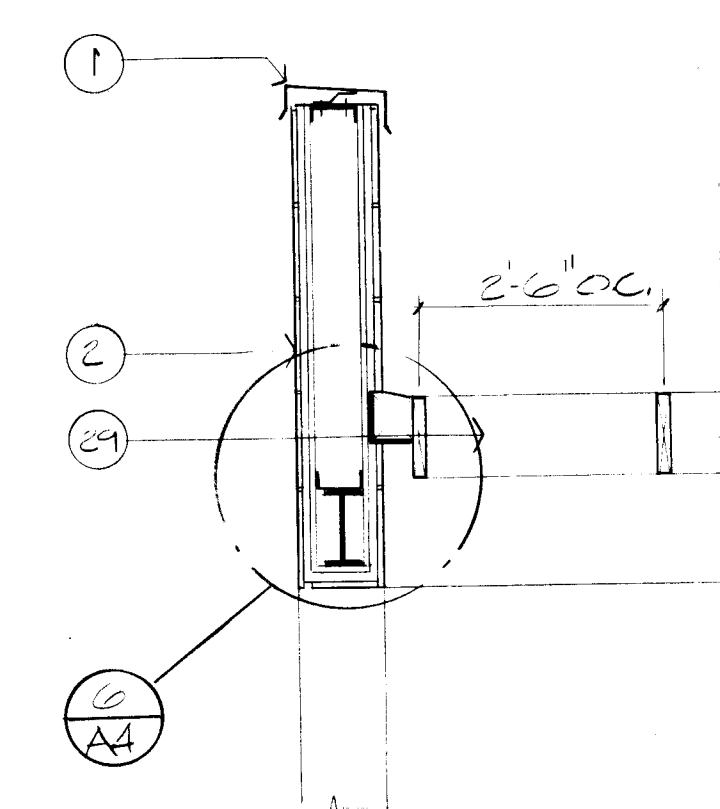


WALL SECTION
1/2" = 1'-0"

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

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

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



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

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

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

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

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

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

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

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

ISOMETRIC OF PANEL

JOINT DETAILS

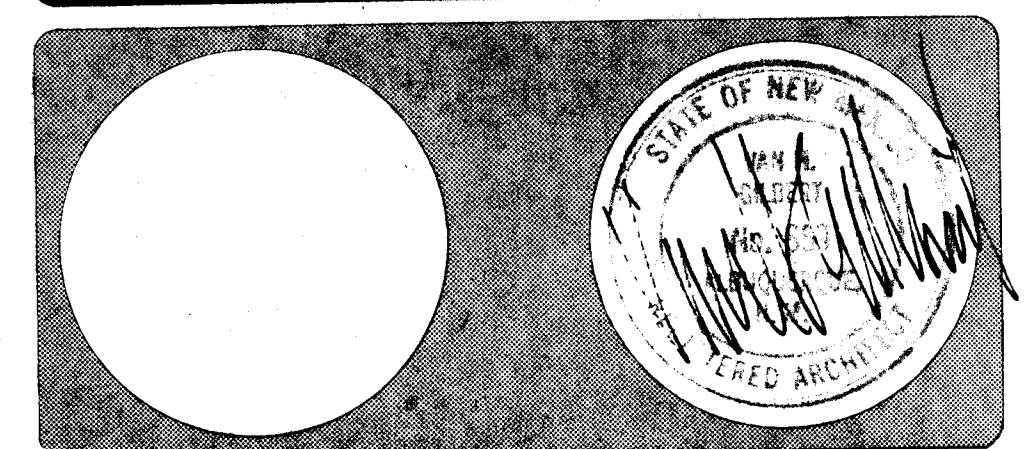
PREFAB TILE PANEL DETAILS
N.T.S.

NOTES

1. ALUMINUM PARAPET COPING; SEE DETAIL 3/A-10.
2. EXTERIOR TILE SYSTEM CONSISTING OF PORCELAIN CERAMIC TILE ON 1" MORTAR BED ON GYPSUM SHEATHING, AS SPECIFIED.
3. STUCCO COLUMN COVER; SEE 18/A-4.
4. STEEL SASH GLAZING SYSTEM AS SPECIFIED.
5. 5/8" GYPSUM BOARD.
6. 2" X 2" X 1/4" ANGLE USED TYPICALLY THROUGHOUT FRAMING. SEE STRUCTURAL FOR FRAMING DETAILS.
7. SUSPENDED GYPSUM 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" DIA. CONCRETE COLUMN.
13. 4" X 16 GA. STEEL STUD FRAMING AT 24" O.C. TYPICAL ALL CLERESTORY FRAMING.
14. PRECAST CONCRETE SILL; 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. 5/8" GYPSUM BOARD ON SLOPE LIGHTSAGE METAL FRAMING. TYPICAL FRAMING ALL SKYLIGHT WELLS.
18. 14" CONCRETE COLUMN W/RUBBED 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. CARPET 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 EGGRATE TRELLIS, SPECIAL PAINT COATING AS SPECIFIED.
30. COURTYARD WALL BELOW.
31. 4" X 6" X 1/4" COLUMN.
32. 1-1/2" DOVETAIL ANCHOR CAST IN.
33. 1/2" SEALANT JOINT TYPICAL AT SILLS.
34. CHU THOMRE 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-FURRING LATH.
36. CORNER REINFORCEMENT AS SPECIFIED.
37. TAPERED INSULATION CHECKED 1/4" PER FOOT SLOPE MINIMUM. SEE SHEET A-10 FOR EXTENT.
38. 1-1/2" X 12" X 12" RECESS AT THOMRE WALL LOCATIONS ONLY. SEE ELEVATIONS FOR LOCATIONS.
39. MECHANICAL FASTENERS.
40. 3/4" X 3/4" X 1/8" TUBE SECTION ANCHORED INTO SILL.
41. LINE OF CONCRETE COLUMN POSITION.
42. REYED RECESS 1/4" WIDE X 3/4" DEEP.
43. "J" 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 THIN SET ON 8" CMU.
53. METAL EXPANSION JOINT WITH SEALANT PACKER.
54. 3/8" PLYWOOD SPACER.
55. 1" X 1" X 1/8" TUBE SECTION WELDED TO STUD WALL.
56. 7/8" STUCCO ON WESH W/FLOOT FINISH 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 ALL 6" EXTERIOR STUD WALLS.
61. R-11 FULL BATT INSULATION IN ALL 4" EXTERIOR STUD WALLS.
62. BITUMINOUS WATERPROOFING AS SPECIFIED. UNDER NO CONDITION SHALL WATERPROOFING BE EXPOSED ABOVE GRADE.
63. #3 REBAR AS INDICATED.
64. 2" X 2" X 1/4" ANGLE ANCHORED AT 12" O.C.
65. H-SCREED AS SPECIFIED.
66. NEW TRANSFORMER LOCATION. SEE F/A-6.
67. 2 1/2" 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 1/2" X 16" 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.

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SECTIONS AND DETAILS
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Sheet A4 of 6

ROOM FINISH AND COLOR SCHEDULE										
ROOM	FLOOR	BASE	WALL	WAINSCOT	CEILING	MISC.	REMARKS			
NO.	NAME									
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									

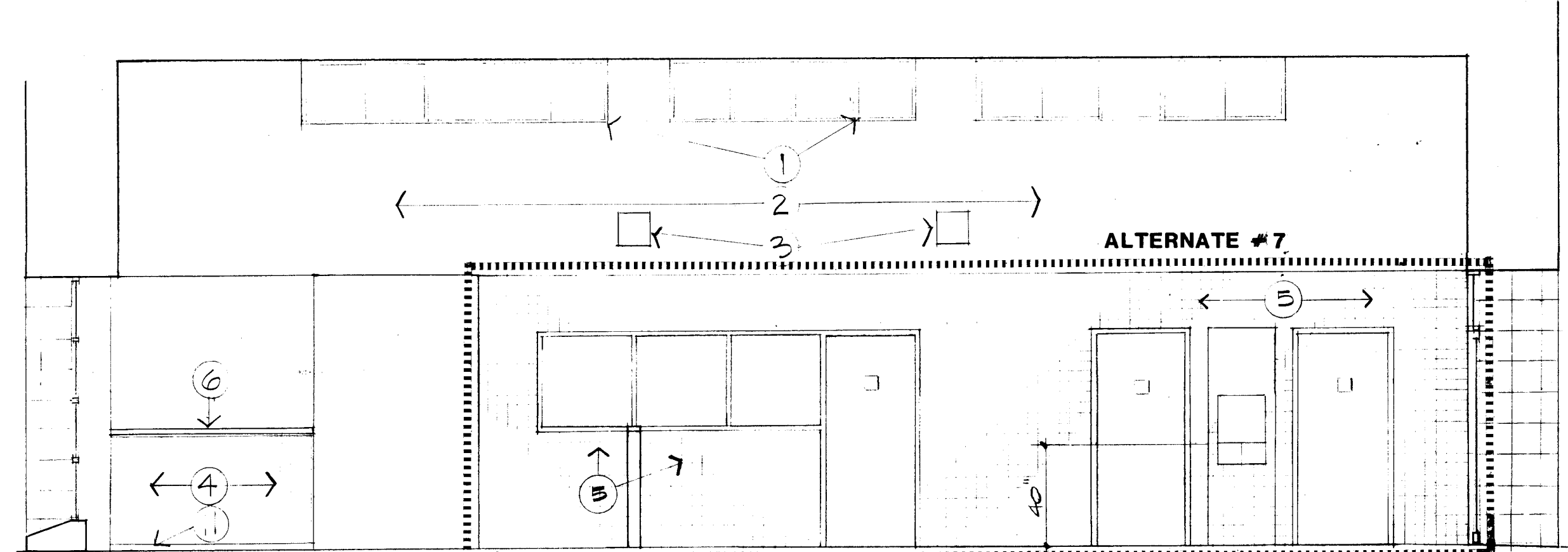
*ALTERNATE # 7

— DENOTES A ROOM GENERALLY ORIENTED N.E.-N.W.-S.E.

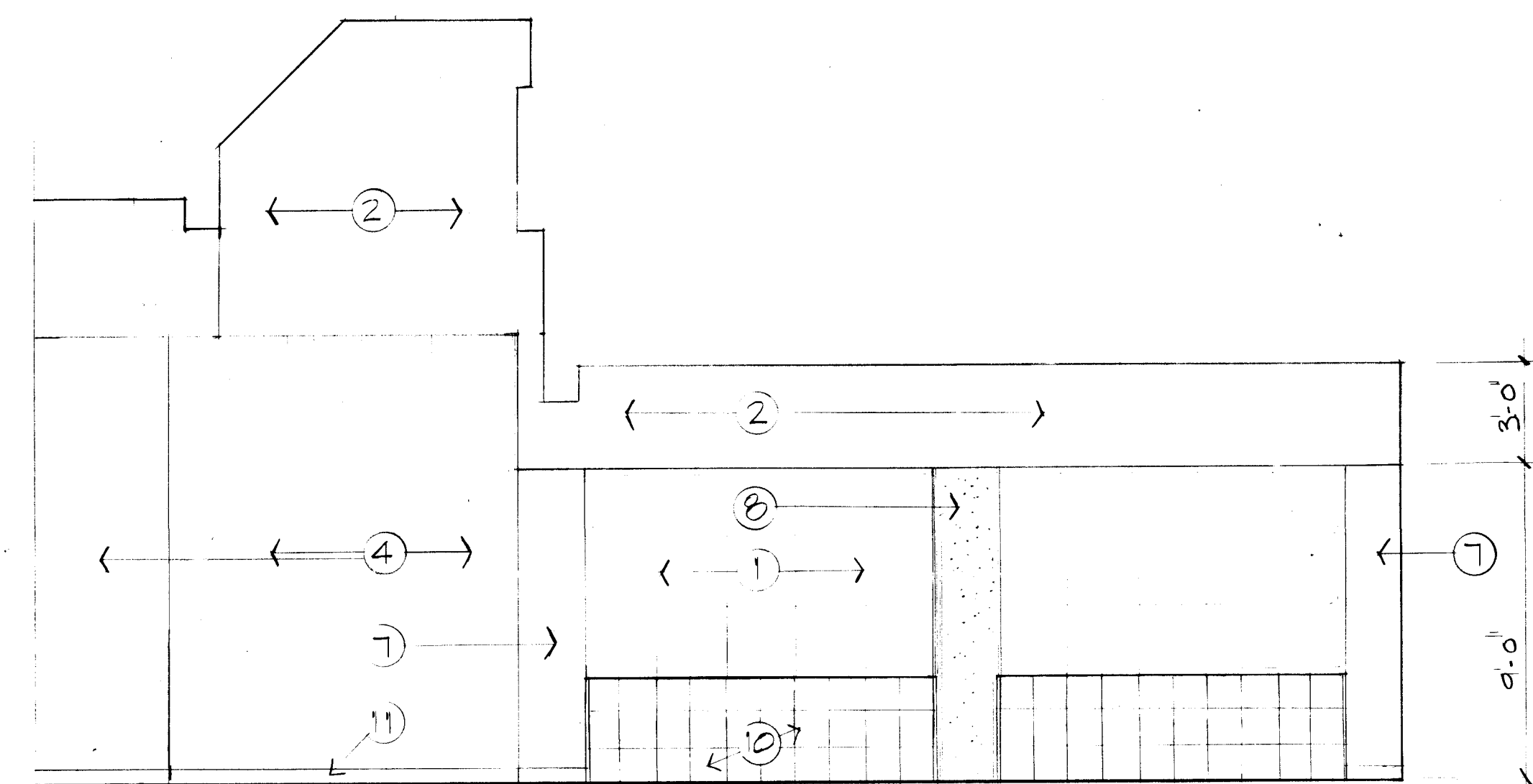
— DENOTES A ROOM GENERALLY ORIENTED N.-S.-E.-W.

NOTE: SPECIAL COATINGS ON GYM FLOOR TO EXTEND NO. HIGHER THAN 8'-0" FROM ON WALL (2'-0" AT HIGH END IN ADULT STACKS AND READING AREA) TYPICAL.

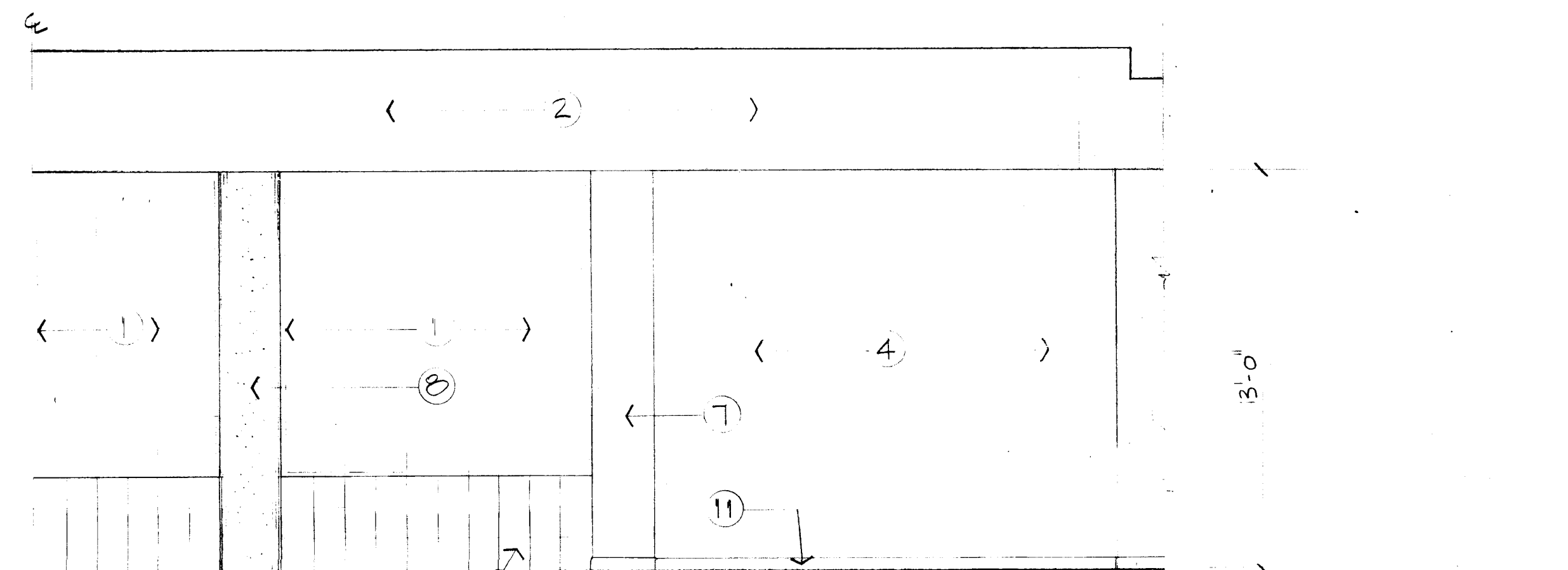
FINISH AND COLOR CODE	
CODE	DESCRIPTION



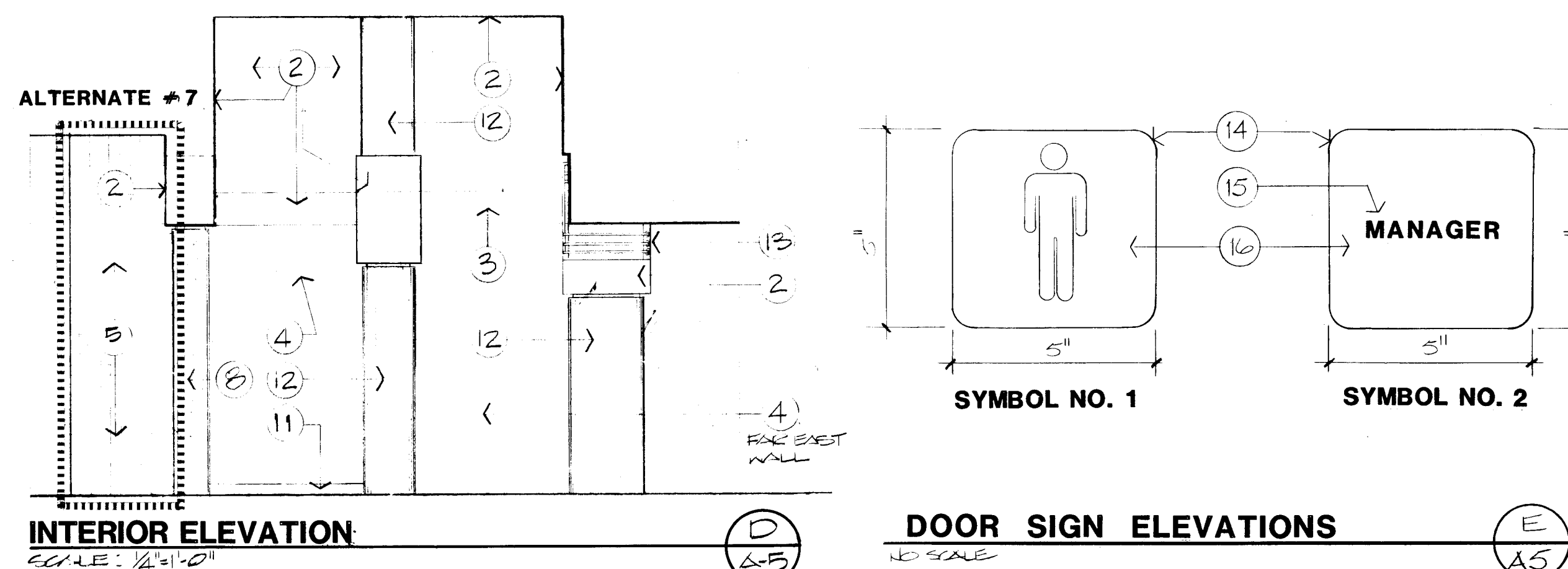
INTERIOR ELEVATION
SCALE: 1/4"=1'-0"



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



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



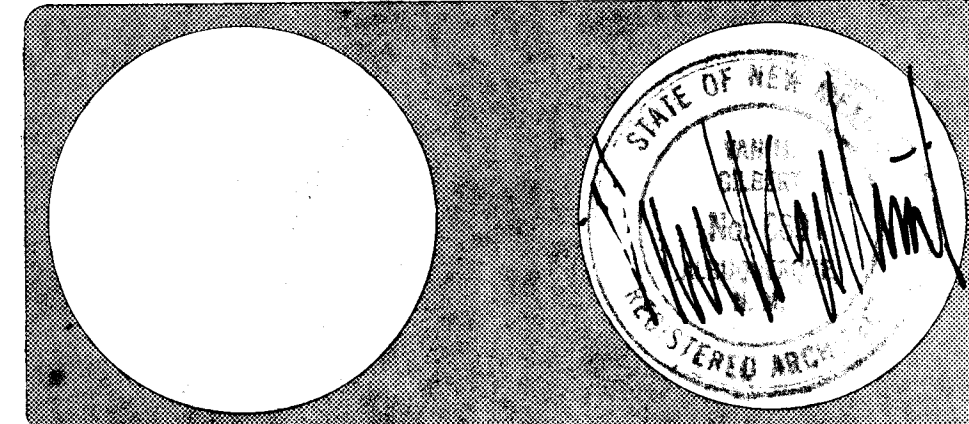
DOOR SIGN ELEVATIONS
SCALE: 1/4"=1'-0"

NOTES

- STEEL WINDOW SYSTEM FACTORY PAINTED AS SPECIFIED.
- 5/8" GYPSUM BOARD, TEXTURED AND PAINTED.
- 5/8" GYPSUM BOARD ARCHITECTURAL "BEAM" TEXTURED AND PAINTED.
- FABRIC WALL COVERING, AS SCHEDULED, OVER 5/8" GYPSUM BOARD.
- 4" X 4" GLAZED CERAMIC WALL TILES, AS SCHEDULED. SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS. ALTERNATE #6. BASE BID, FINISH AS IN NOTE #7.
- RIFT-CUT WHITE OAK PARTITION CAP WITH 1/4" OAK REVEAL.
- 5/8" GYPSUM BOARD, TEXTURED. THESE SURFACES TO RECEIVE "SPECIAL SYSTEM". WALL FINISH AS SCHEDULED.
- CAST-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.

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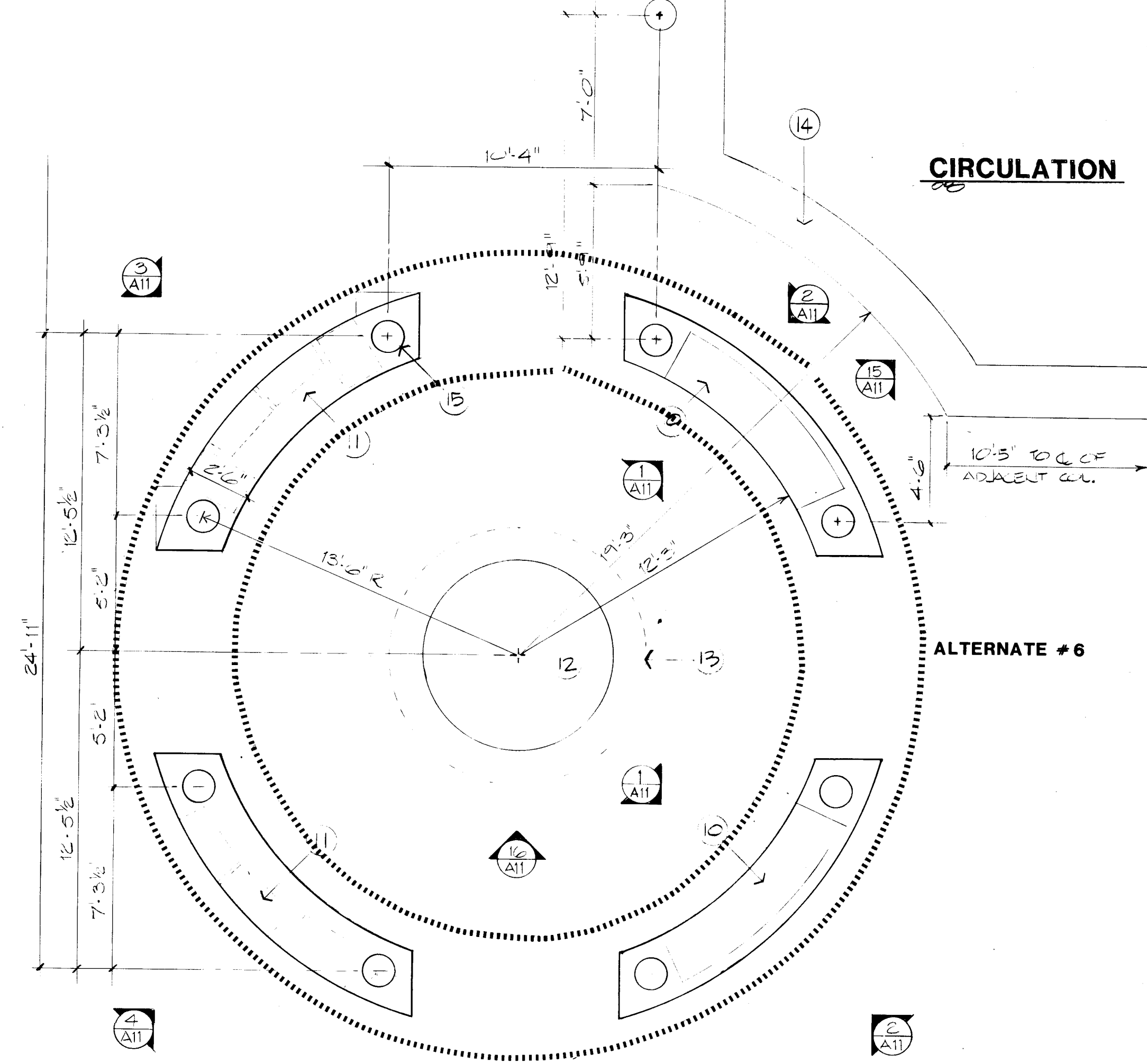
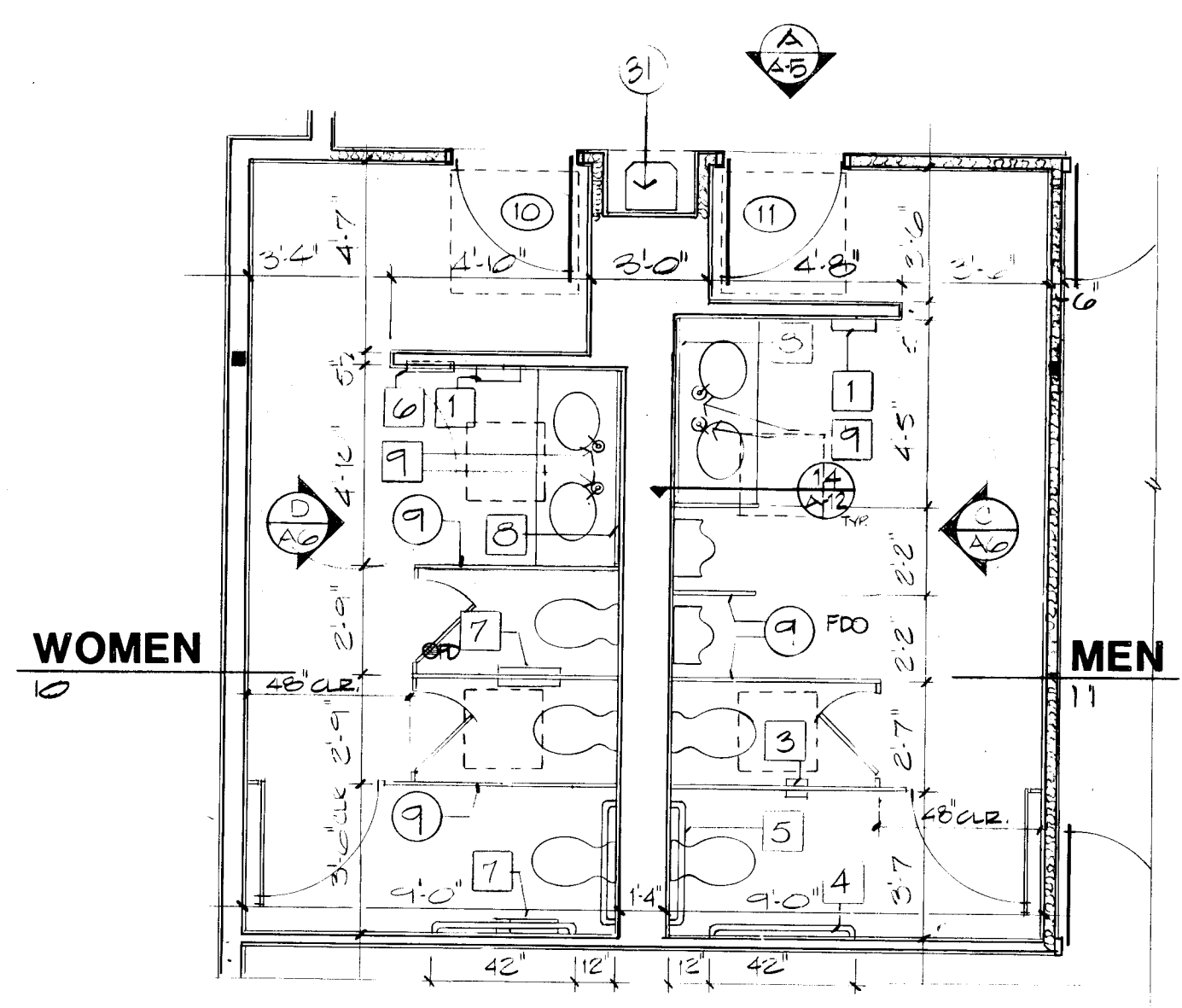
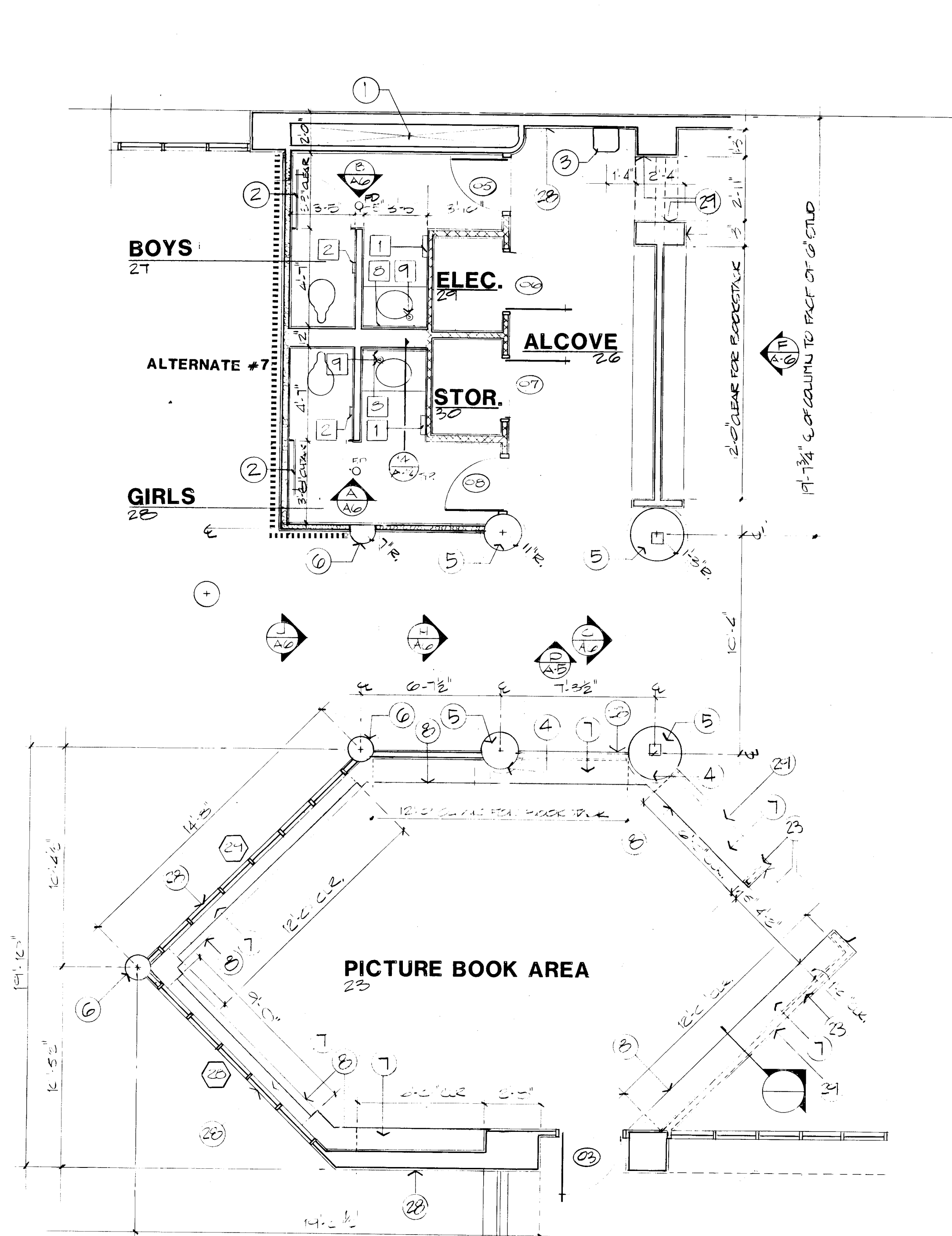


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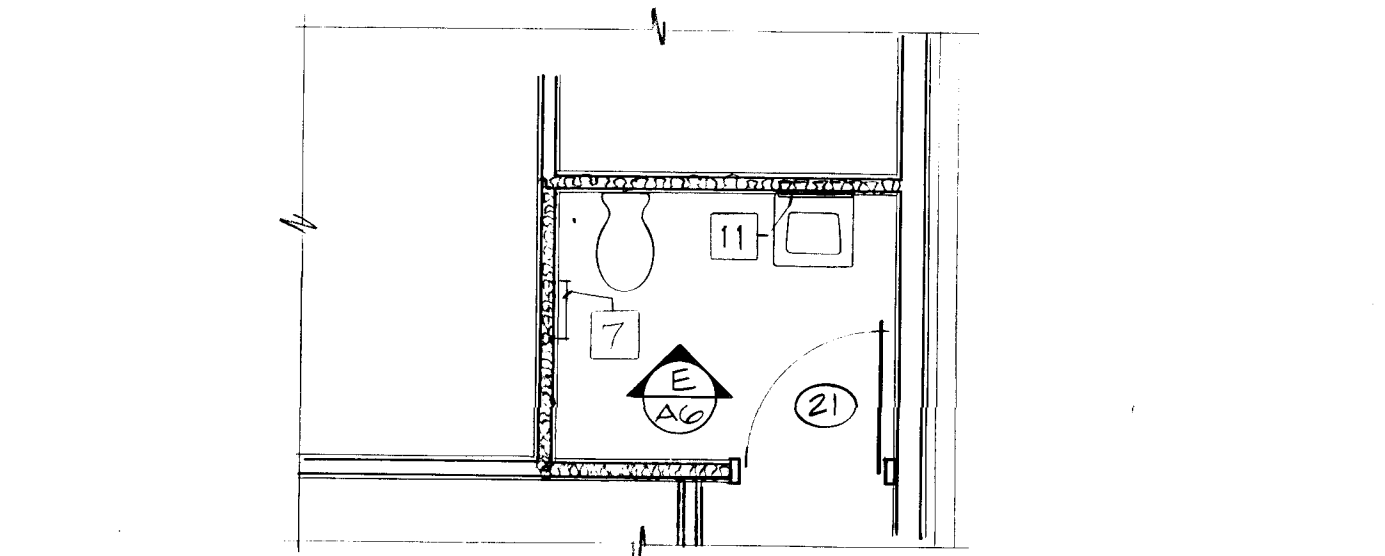
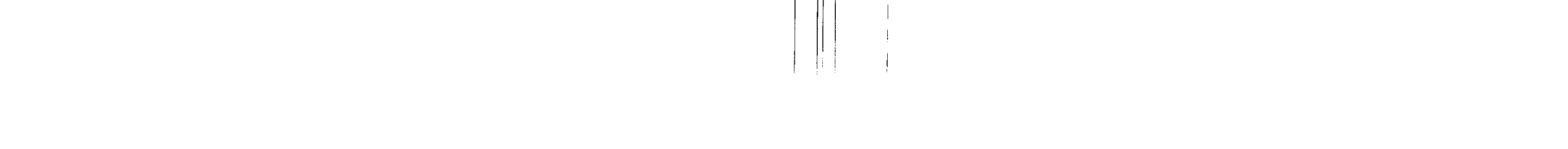
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ROOM FINISH AND COLOR SCHEDULE
1986

Sheet A5
17 of 17

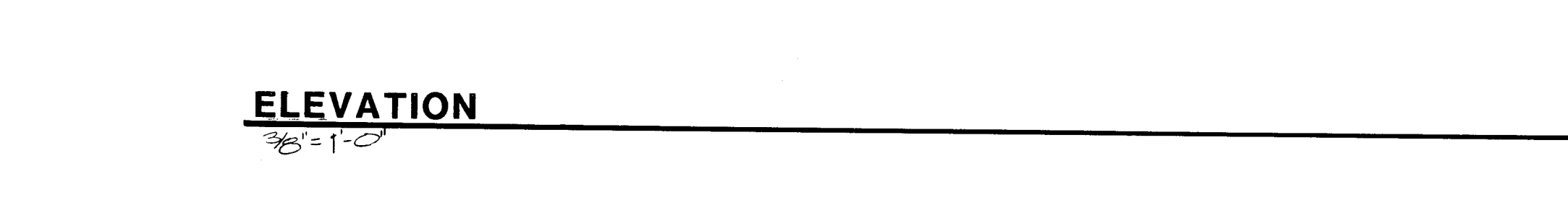
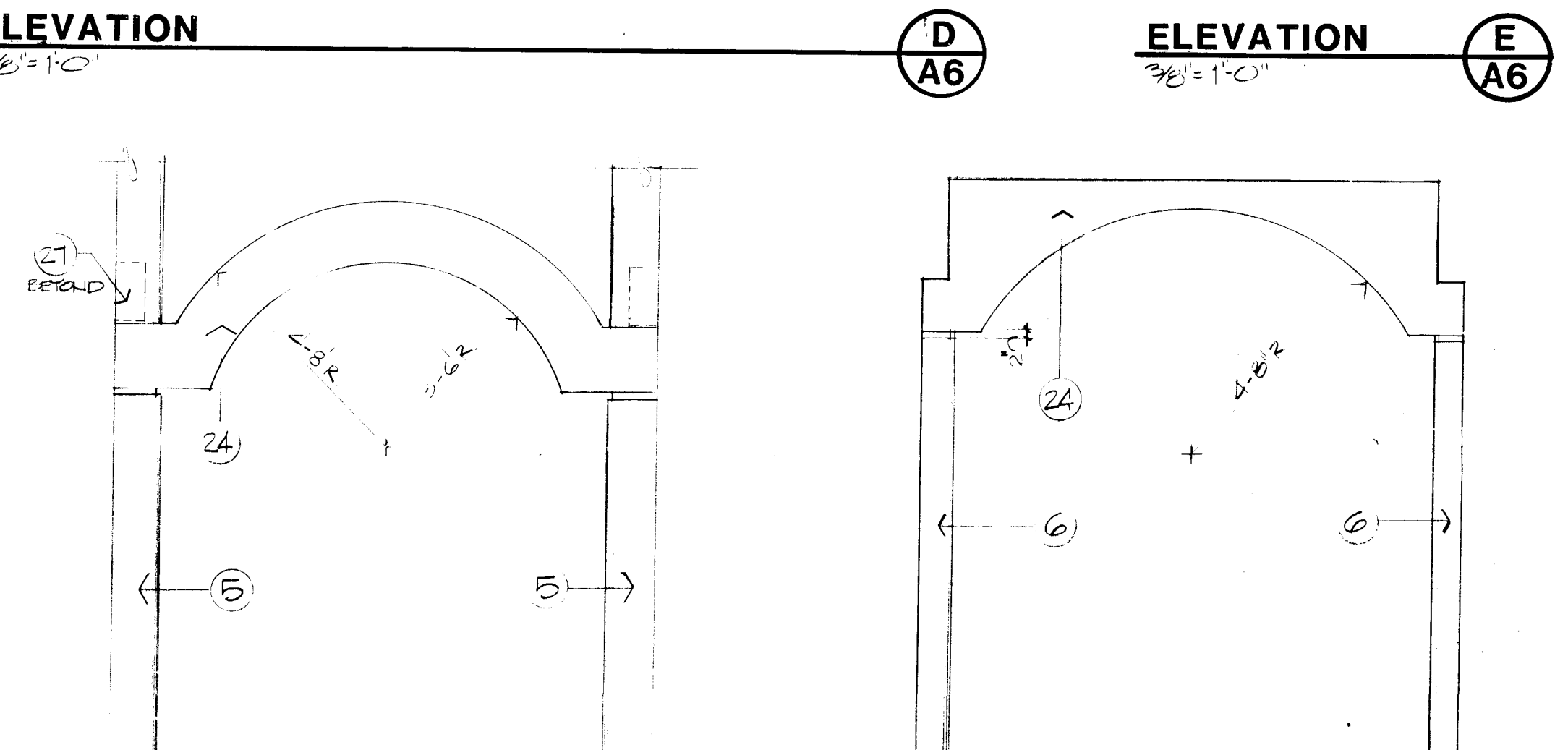
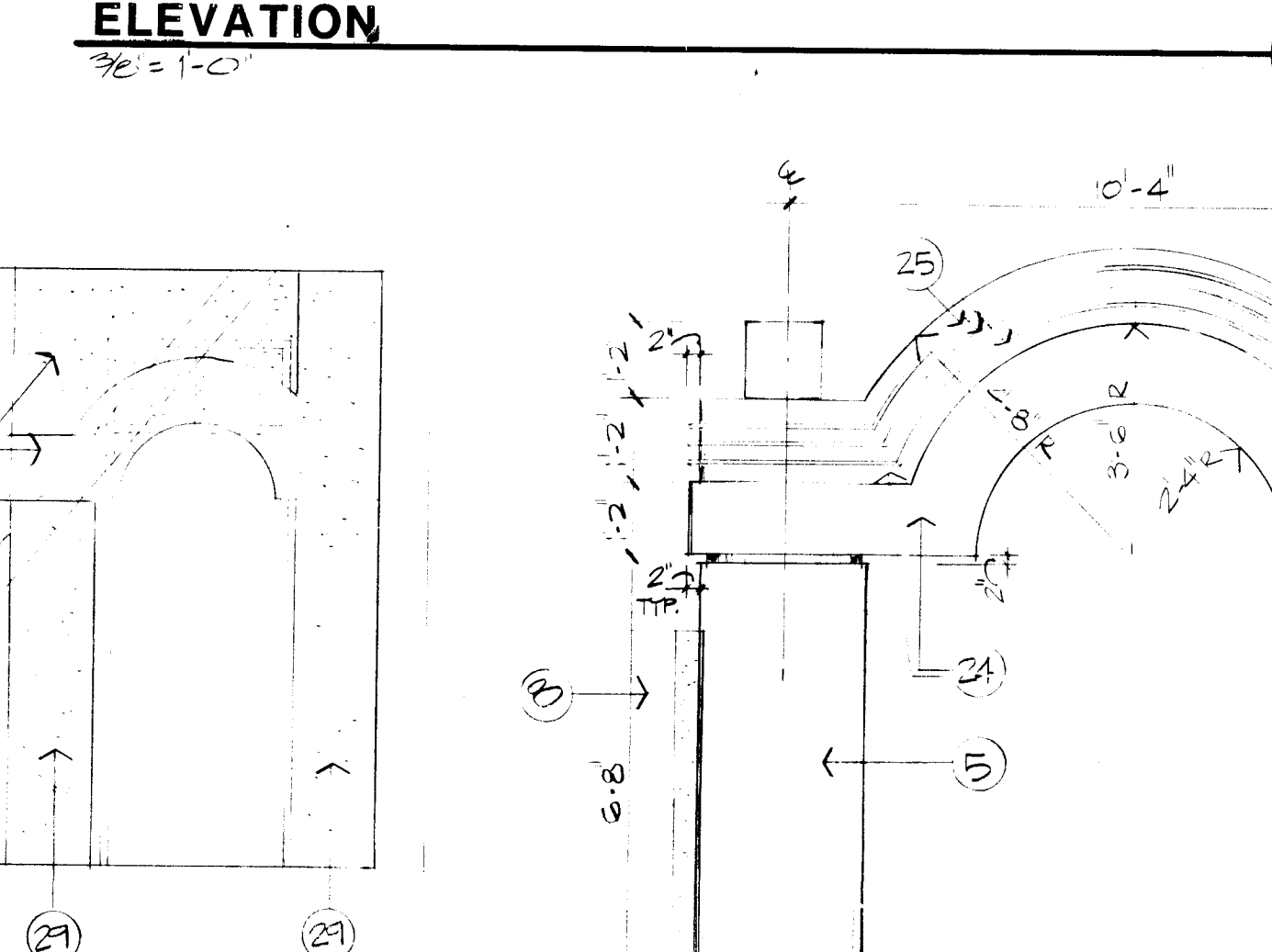
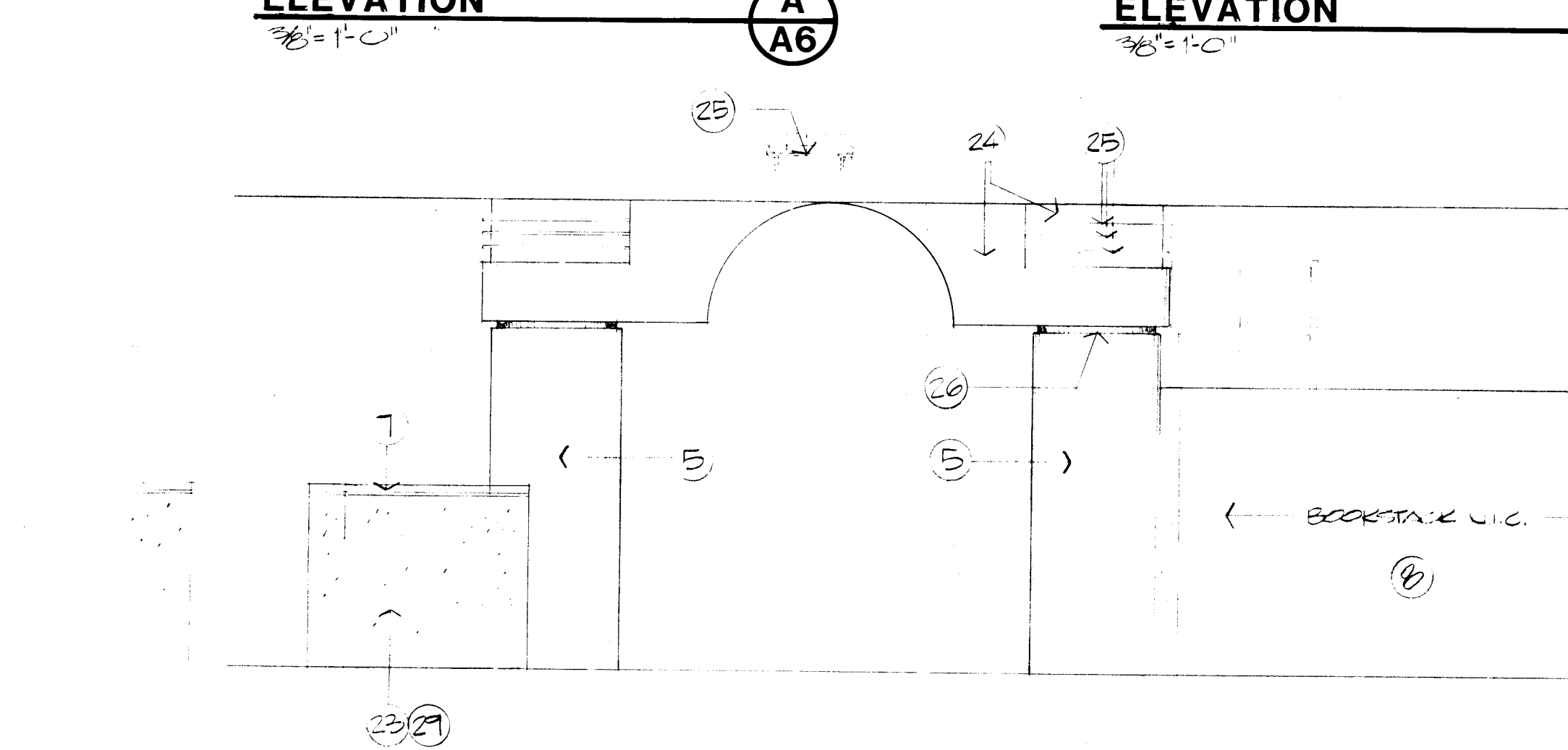
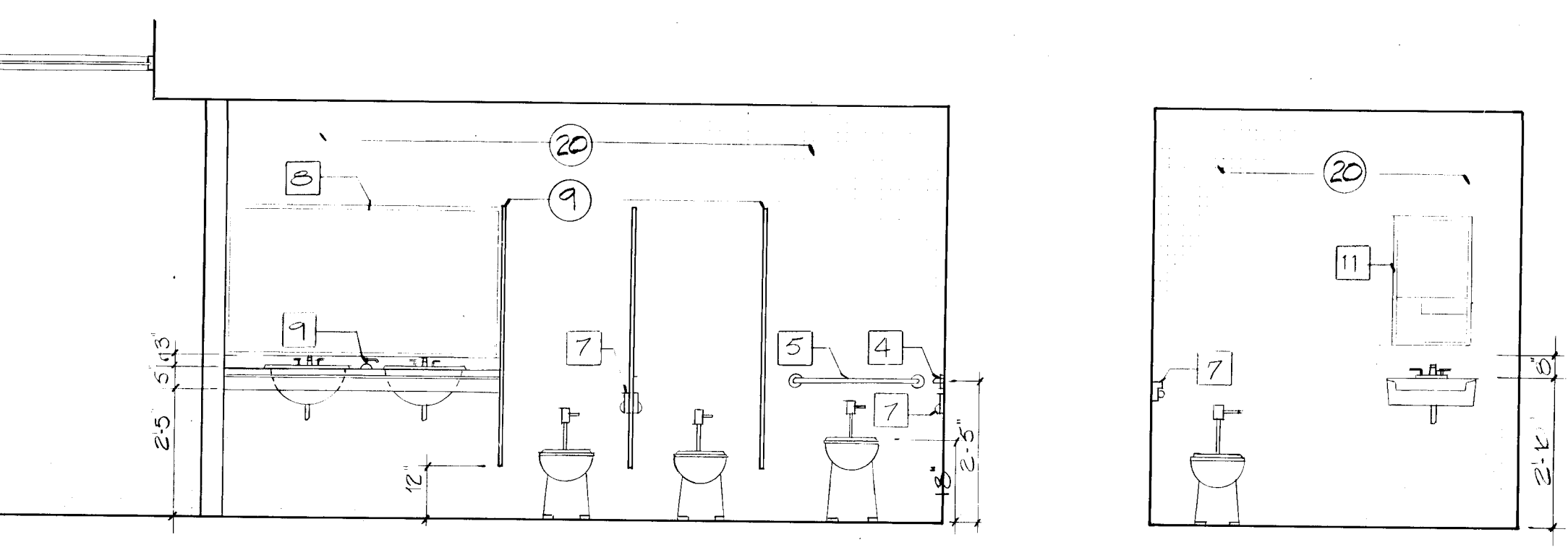
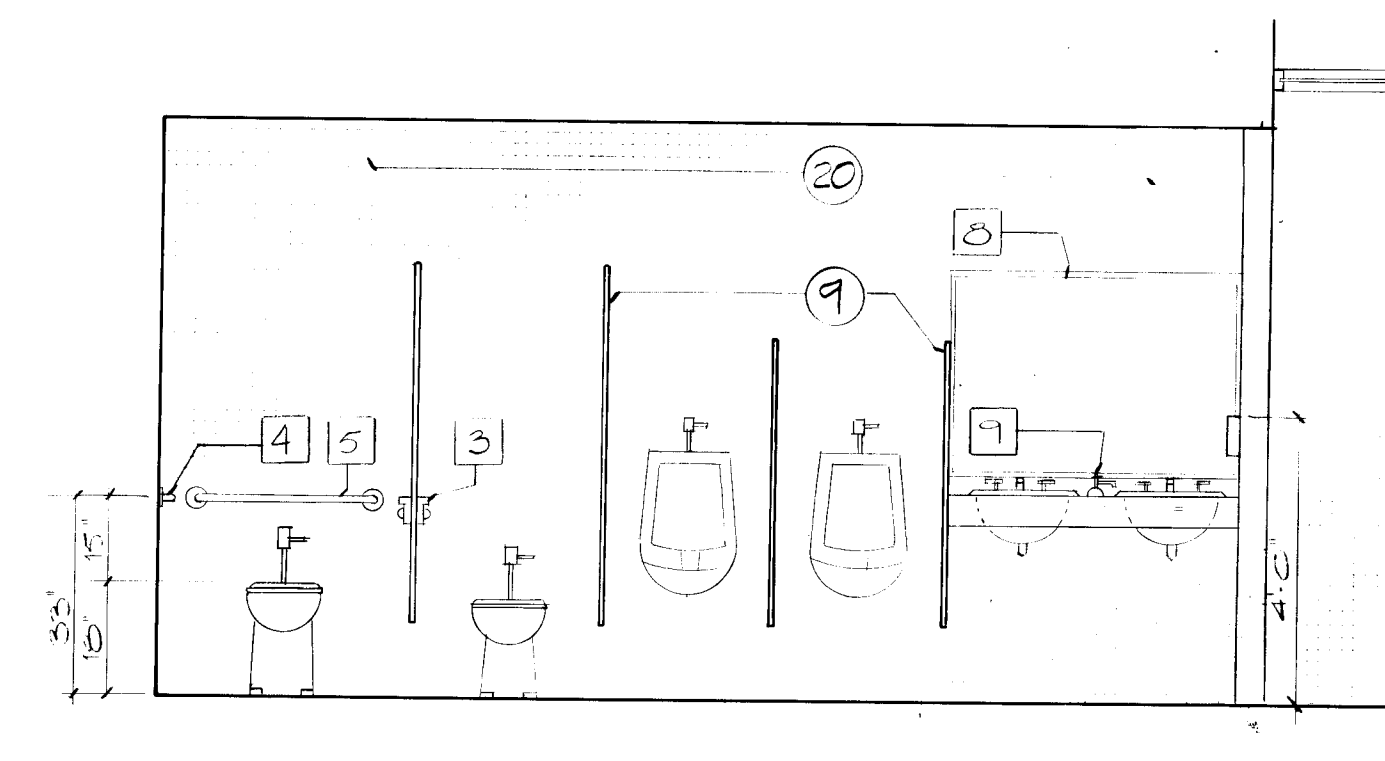
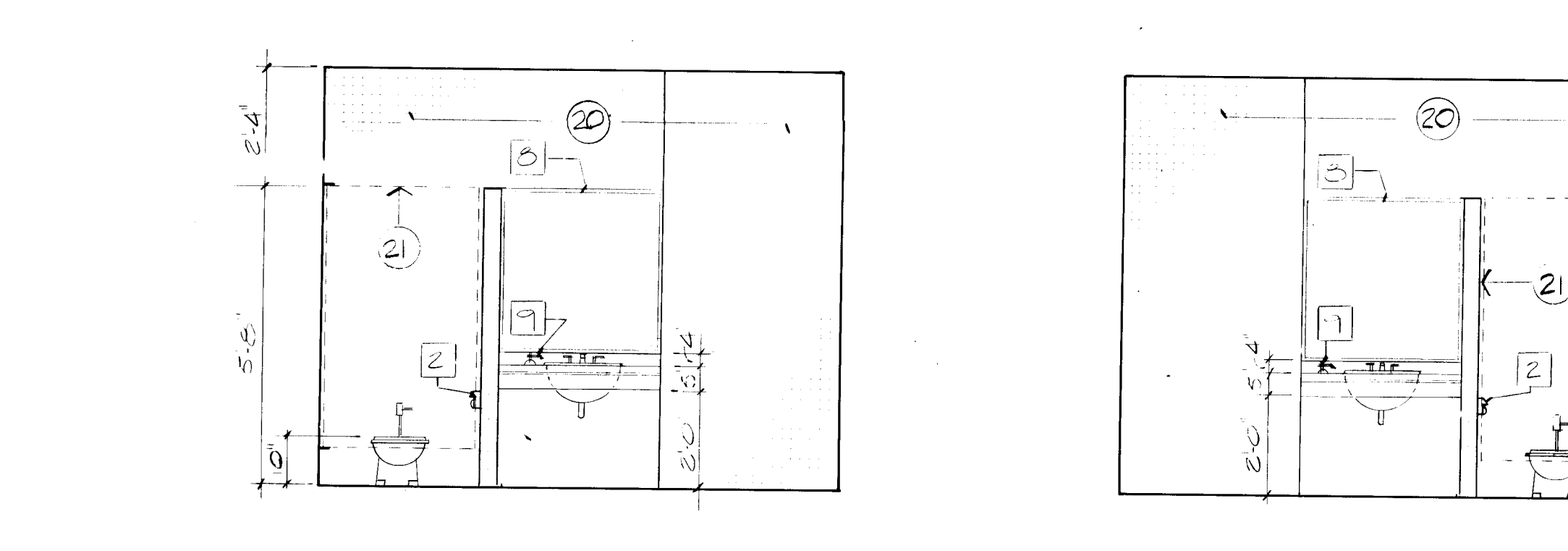
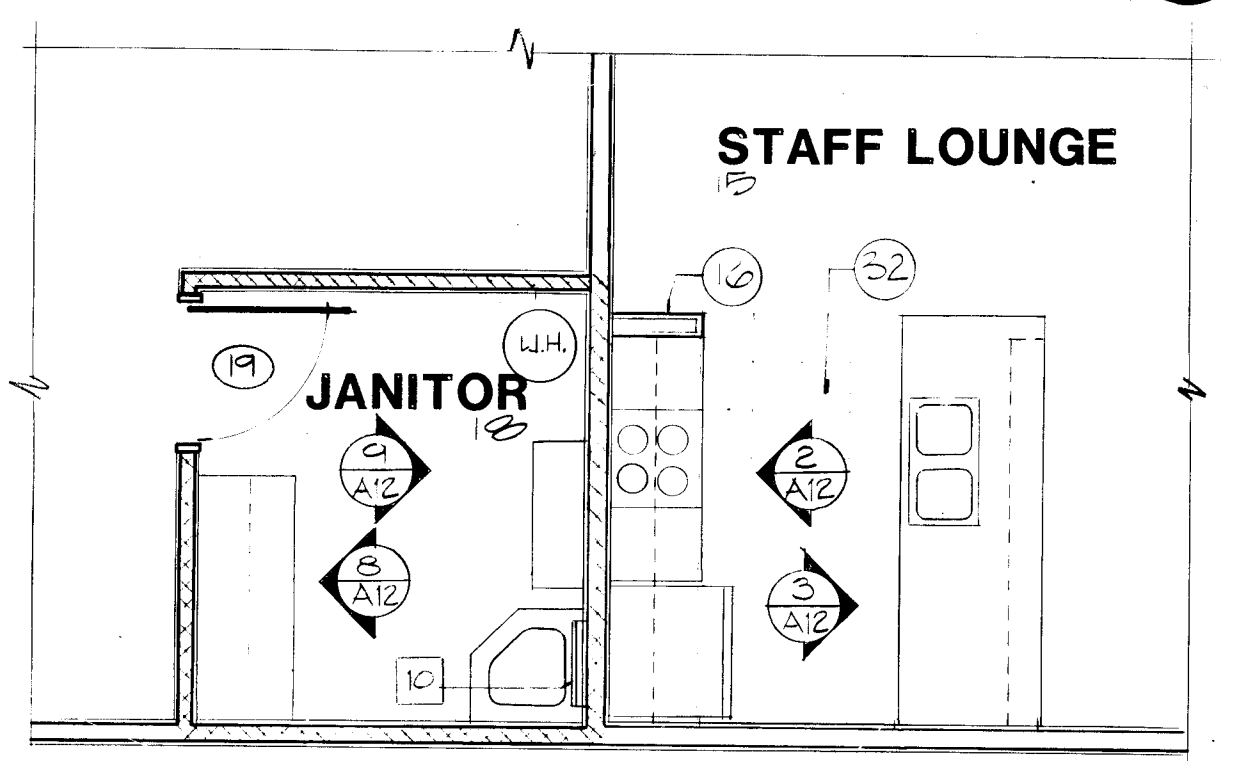


- NOTES**
1. CHASE SPACE. SEE MECHANICAL DRAWINGS.
 2. TOILET PARTITION DOOR ASSEMBLY AND ASSOCIATED HARDWARE, AS SPECIFIED, MOUNTED TO WALL CONSTRUCTION.
 3. ELECTRIC WATER COOLER, AS SPECIFIED, MOUNT UP FROM FINISH FLOOR 33" TO SPOUT.
 4. TERMINATE ARCHITECTURAL COLUMNS AT OAK COUNTERTOP.
 5. CONCRETE 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 (BACKSITES). REINFORCE FIBRE FORMS WITH PLYWOOD RIBS AND STEEL STUD STRINGERS EXTENDED TO JOISTS ABOVE CEILING ON 11" RADIUS COLUMNS. REINFORCE THE FIBRE FORMS WITH STEEL STUD STRINGERS ARRANGED RADIALLY AND BRACED TO STEEL 4 X 6 STRUCTURAL TUBES ON 1'-3" RADIUS COLUMNS.
 6. 14" DIA. NON-STRUCTURAL REINFORCED CONCRETE COLUMN. EXTEND ABOVE CEILING LINE.
 7. 3/4" PLYWOOD WITH RIFE-CUT OAK VENEER. PROVIDE 1-1/4" THICK EDGE TO MATCH PROFILE OF BOOKSTACK TOPS (NIC). INSTALL ON WALL WITH 1/4" REVEAL.
 8. WALL-MOUNTED BOOKSTACK SYSTEM (NIC). COORDINATE WITH BOOKSTACK MANUFACTURER'S REPRESENTATIVE REGARDING ALL DIMENSIONS.
 9. FLOOR AND CEILING MOUNTED TOILET PARTITION ASSEMBLY AS SPECIFIED. COLOR CHOSEN BY THE ARCHITECT FROM FULL RANGE OF STANDARD AND CUSTOM COLORS.
 10. CIRCULAR SEGMENT WITH BUILT-IN SEATING; SEE DETAILS, SHEET A-11. ALTERNATE #7.
 11. CIRCULAR SEGMENT WITH BUILT-IN EQUIPMENT; SEE DETAILS, SHEET A-11. ALTERNATE #7.
 12. CATALOG KIOSK; SEE DETAILS, SHEET A-11.
 13. CATALOG KIOSK CANOPY (ABOVE); SEE DETAIL, SHEET A-11.
 14. CIRCULATION DESK; SEE DETAIL, SHEET A-11.
 15. CONCRETE COLUMN; SEE STRUCTURAL DRAWINGS.
 16. SEE FINISH SCHEDULE FOR ALL WALL FINISHES.
 17. BOOK BIN; SEE DETAIL, SHEET A-12.
 18. CONVEYOR; SEE DETAIL, SHEET A-12.
 19. BOOK DEPOSITORY DOOR ASSEMBLY AS SPECIFIED.
 20. CERAMIC TILE AS SPECIFIED ON 5/8" WATER-RESISTANT GYPBOARD.
 21. PROVIDE 5'-0" HIGH TOILET PARTITION DOOR 8" ABOVE FINISHED FLOOR.
 22. 4 X 6 TUBE BRACE CONCEALED IN WALL. VERIFY WITH STRUCTURAL.
 23. 5/8" GYPBOARD (BOTH SIDES) ON 3-5/8" STEEL STUDS. PROVIDE DIAGONAL BRACING STRAPS TO ALL CORNERS. SEE FINISH SCHEDULE.
 24. 5/8" GYPBOARD ON 3-5/8" STEEL STUDS. SEE FINISH SCHEDULE FOR SURFACE TREATMENT. SURFACES TO RECEIVE SPECIAL SURFACE TREATMENT. SEE THE FINISH SCHEDULE.
 25. 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.
 26. PROVIDE 2' X 2' CONTINUOUS REVEAL VENEERED IN PLASTIC LAMINATE IN COLOR SELECTED BY THE ARCHITECT.
 27. SEE REFLECTED CEILING PLAN.
 28. WALL FABRIC, AS SPECIFIED OVER 5/8" GYPBOARD.
 29. 5/8" GYPBOARD THESE SURFACES TO RECEIVE "SPECIAL SYSTEM" WALL FINISH AS SPECIFIED.
 30. 5/8" GYPBOARD TEXTURED & PAINTED.
 31. ELECTRIC WATER COOLER AS SPECIFIED. MOUNT UP FROM FINISH FLOOR 40".
 32. 12 X 12 PORCELAIN CERAMIC TILE.



ACCESSORY SCHEDULE

NO.	DESCRIPTION	QTY.	REMARKS
1	HAND WASH	1	SURFACE MOUNTED AFF. TO WALL
2	TOILET	1	TOILET
3	TOILET	1	TOILET
4	TOILET	1	TOILET
5	TOILET	1	TOILET
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7	TOILET	1	TOILET
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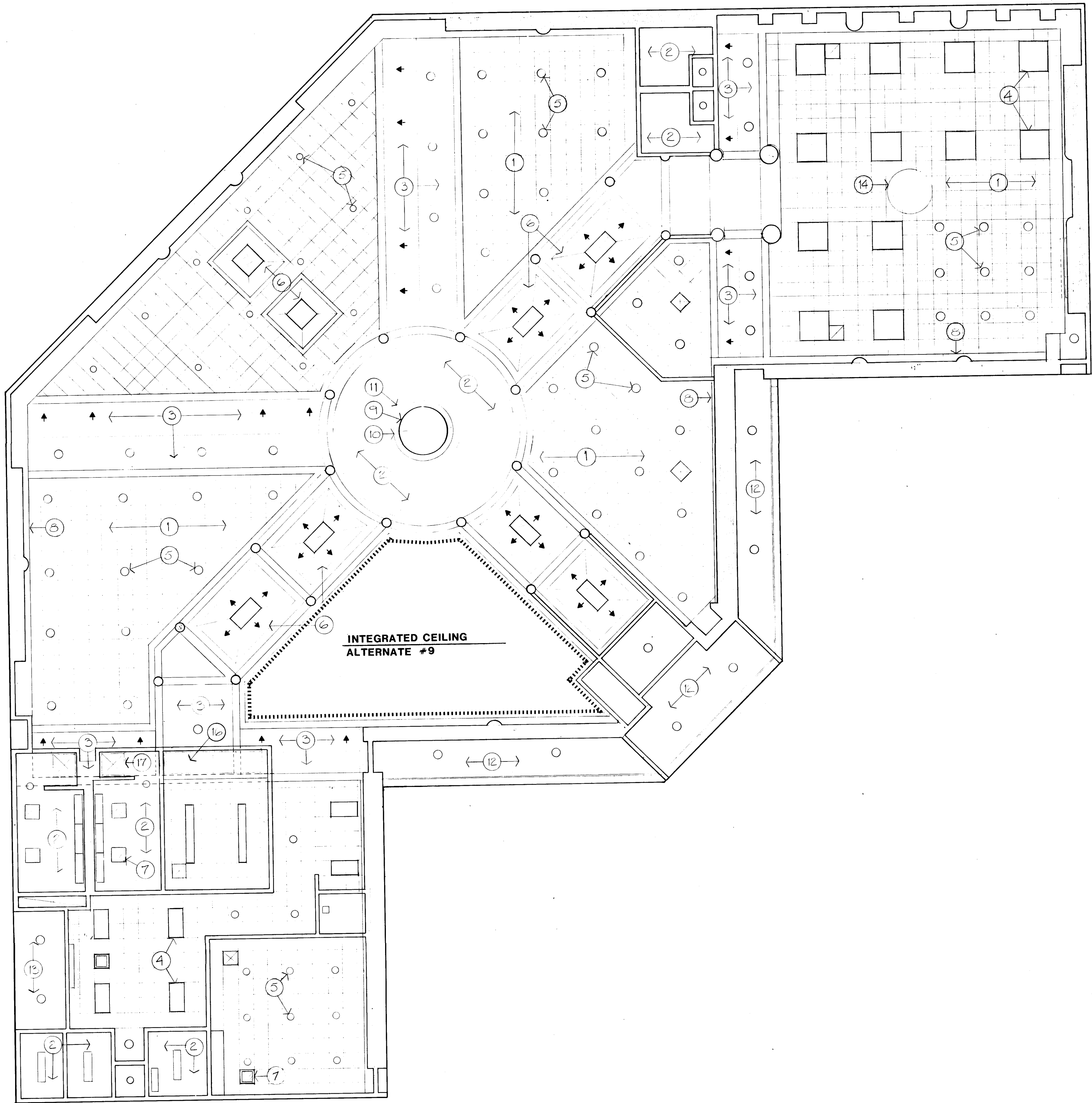
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ENLARGED PLANS INTERIOR ELEVATIONS

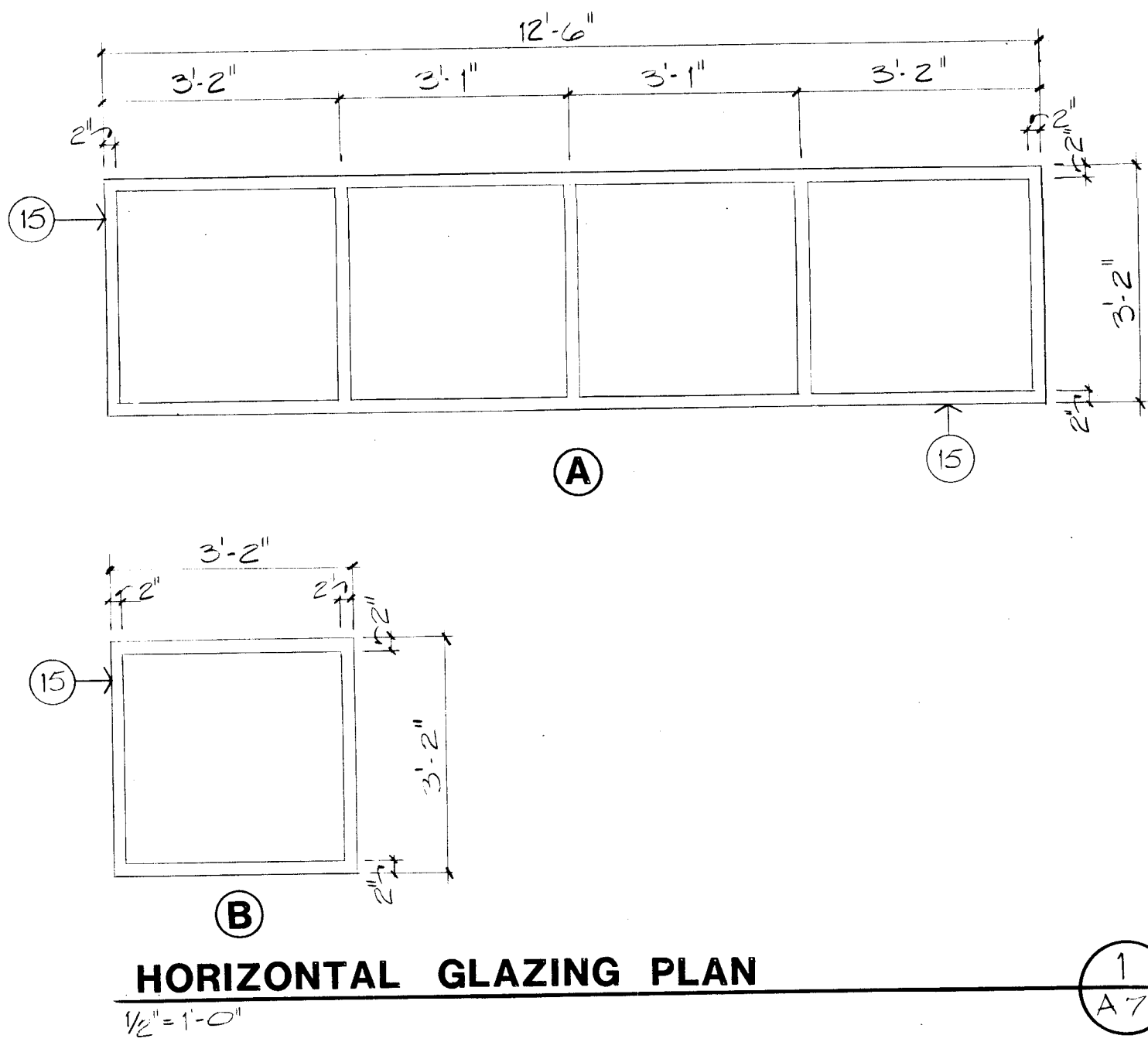
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Sheet A6 15 of 24



REFLECTED CEILING PLAN

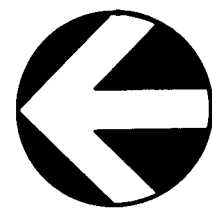
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SLOPE INDICATION: UP → DOWN



HORIZONTAL GLAZING PLAN

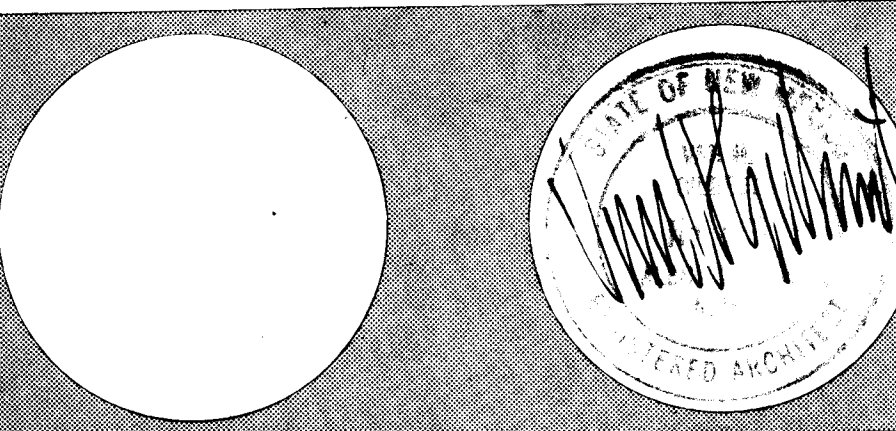
NOTES

1. LAY-IN ACOUSTICAL CEILING AS SPECIFIED. COLOR AND TEXTURE BY ARCHITECT.
2. SUSPENDED GYPSUM BOARD CEILING, TEXTURED, COLOR BY ARCHITECT.
3. CLERESTORY LIGHTWELL TEXTURED GYPSUM BOARD SLOPED AS INDICATED.
4. FLUORESCENT LIGHT FIXTURE. SEE ELECTRICAL FOR TYPE AND DETAILS.
5. RECESSED INCANDESCENT LIGHT FIXTURES. SEE ELECTRICAL FOR TYPE AND DETAILS.
6. SKYLIGHT LIGHTWELL TEXTURED GYPSUM BOARD SLOPED 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. 7" GYPSUM BOARD CURE AROUND SKYLIGHT OPENING, INSIDE TO BE FLUSH WITH SKYLIGHT OPENING, COLOR BY ARCHITECT.
11. LINE OF KIOSK BELOW.
12. SUSPENDED LATH AND PLASTER WITH SMOOTH FINISH, COLOR BY ARCHITECT.
13. SUSPENDED PORTLAND CEMENT PLASTER.
14. FURR 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.



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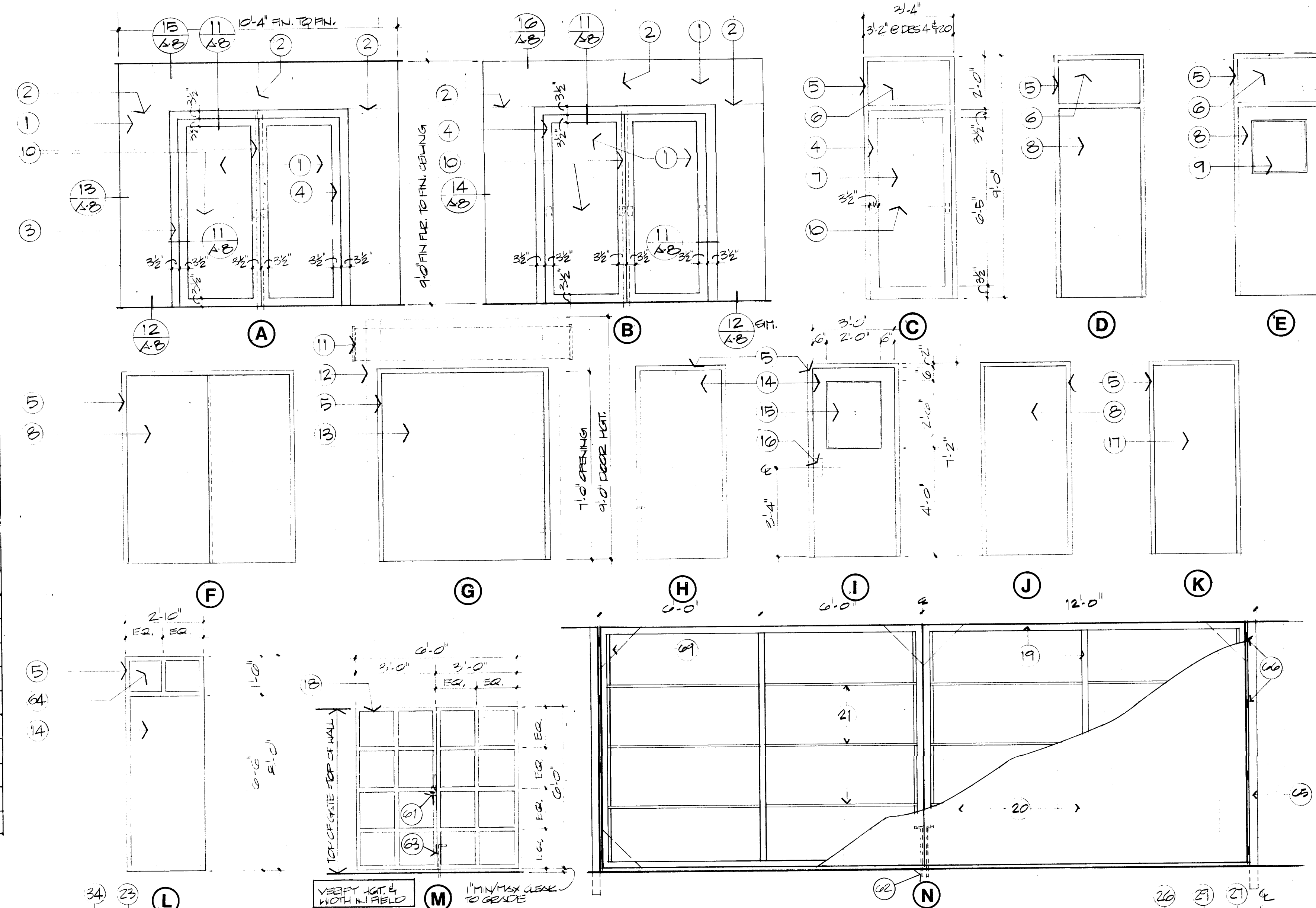
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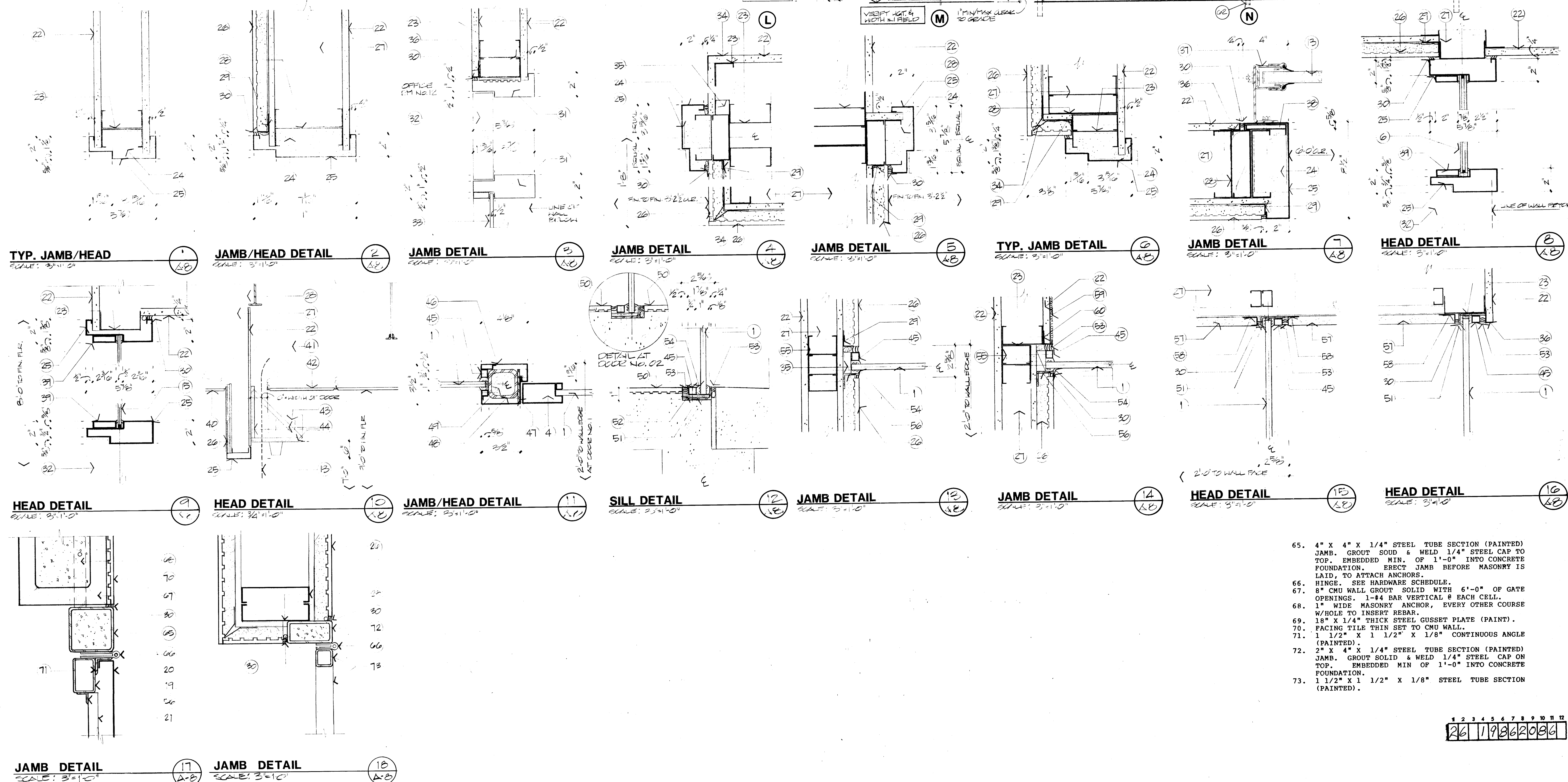
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DOOR AND FRAME SCHEDULE																			
DOOR										FRAME				HDWE.					
NO.	W.	H.	T.	MAT.	TYPE	FIRE RATING	GLASS	LOUVER PROFILE	MAT.	TYPE	FIRE RATING	DETAILS				KEYSET NO.	NAMEPLATE NO.	TITLE	REMARKS
												JAMB	JAMB	HEAD	THRESH.	SET			
01	3'-0"	7'-0"	1 1/2"	HT	A	—	2" TYP. 3'-0"	—	HT	—	—	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1	20TH		
02	3'-0"	7'-0"	1 1/2"	HT	B	—	2" TYP. 3'-0"	—	HT	—	—	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1	—		DOORS MUST BE IN CLOSE OF ENTRANCE PLAN
03	3'-0"	7'-0"	1 1/2"	HT	C	—	2" TYP. 3'-0"	—	HT	—	—	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	2	20TH		
04	3'-0"	7'-0"	1 1/2"	HT	D	—	—	—	HT	—	—	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3	20TH		
05	2'-0"	6'-0"	1 1/2"	HT	E	—	—	—	HT	—	—	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	6	—	SHRDL NO 2	LANDSCAPE TO INDICATE GATES
06	2'-0"	6'-0"	1 1/2"	HT	L	—	2" TYP. 3'-0"	—	HT	—	—	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	4	20		
07	3'-0"	7'-0"	1 1/2"	HT	K	—	2" TYP. 3'-0"	—	HT	—	—	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	4	20		
08	2'-0"	6'-0"	1 1/2"	HT	L	—	—	—	HT	—	—	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	6	—	SHRDL NO 2	LANDSCAPE TO INDICATE GATES
09	2'-0"	7'-0"	1 1/2"	HT	C	—	2" TYP. 3'-0"	—	HT	—	—	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	2	20TH		
10	2'-0"	7'-0"	1 1/2"	HT	H	—	—	—	HT	—	—	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	6	—	SHRDL NO 1	
11	3'-0"	7'-0"	1 1/2"	HT	H	—	—	—	HT	—	—	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	6	—	SHRDL NO 1	
12	2'-0"	7'-0"	1 1/2"	HT	H	—	—	—	HT	—	—	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	7	07		
13	3'-0"	7'-0"	1 1/2"	HT	H	—	—	—	HT	—	—	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	1/4" x 1/4" x 1/4"	7	14		
14	6'-0"	9'-0"	—	MTL	G	—	—	—	MTL	—	—	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	12	20TH		LANDSCAPE OVERHEAD SIGN TO BE
15	3'-0"	7'-0"	1 1/2"	HT	E	—	2" TYP. 3'-0"	—	HT	—	—	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	5	20TH		
16	3'-0"	7'-0"	1 1/2"	HT	F	—	—	—	HT	—	—	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	7	20TH		FULL ATTENTION
17	3'-0"	7'-0"	1 1/2"	HT	J	—	2" TYP. 3'-0"	—	HT	—	—	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	3/4" x 3/4" x 3/4"	7	17		
18	3'-0"	7'-0"	1 1/2"	HT	J	—	2" TYP. 3'-0"	—	HT										



- ## NOTES

- [illegible]



WINDOW SCHEDULE											
WINDOW			DETAIL			GLAZING			REMARKS		
MRK.	TYPE	ELEV.	H.	W.	HEAD	JAMB	MULL.	SILL	TYPE		
1	A	A	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
2	A	B	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
3	A	A	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
4	C	C	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
5	C	C	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
6	C	D	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
7	A	E	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
8	C	D	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
9	B	F	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
10	A	G	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
11	E	F	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
12	C	C	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
13	A	H	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
14	C	C	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
15	C	J	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
16	A	K	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
17	A	M	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
18	D	F	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
19	E	L	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
20	L	F	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
21	C	C	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
22	F	O	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
23	F	U	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
24	G	P	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
25	F	Q	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
26	B	Z	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
27	D	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
28	L	Z	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
29	B	R	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
30	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
31	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
32	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
33	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
34	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
35	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
36	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
37	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
38	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
39	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
40	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
41	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
42	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
43	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
44	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
45	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
46	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		
47	L	S	10'0"	10'0"	1/2"	1/2"	1/2"	1/2"	A		

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 CASING OPENING FOR BOOK RETURN.

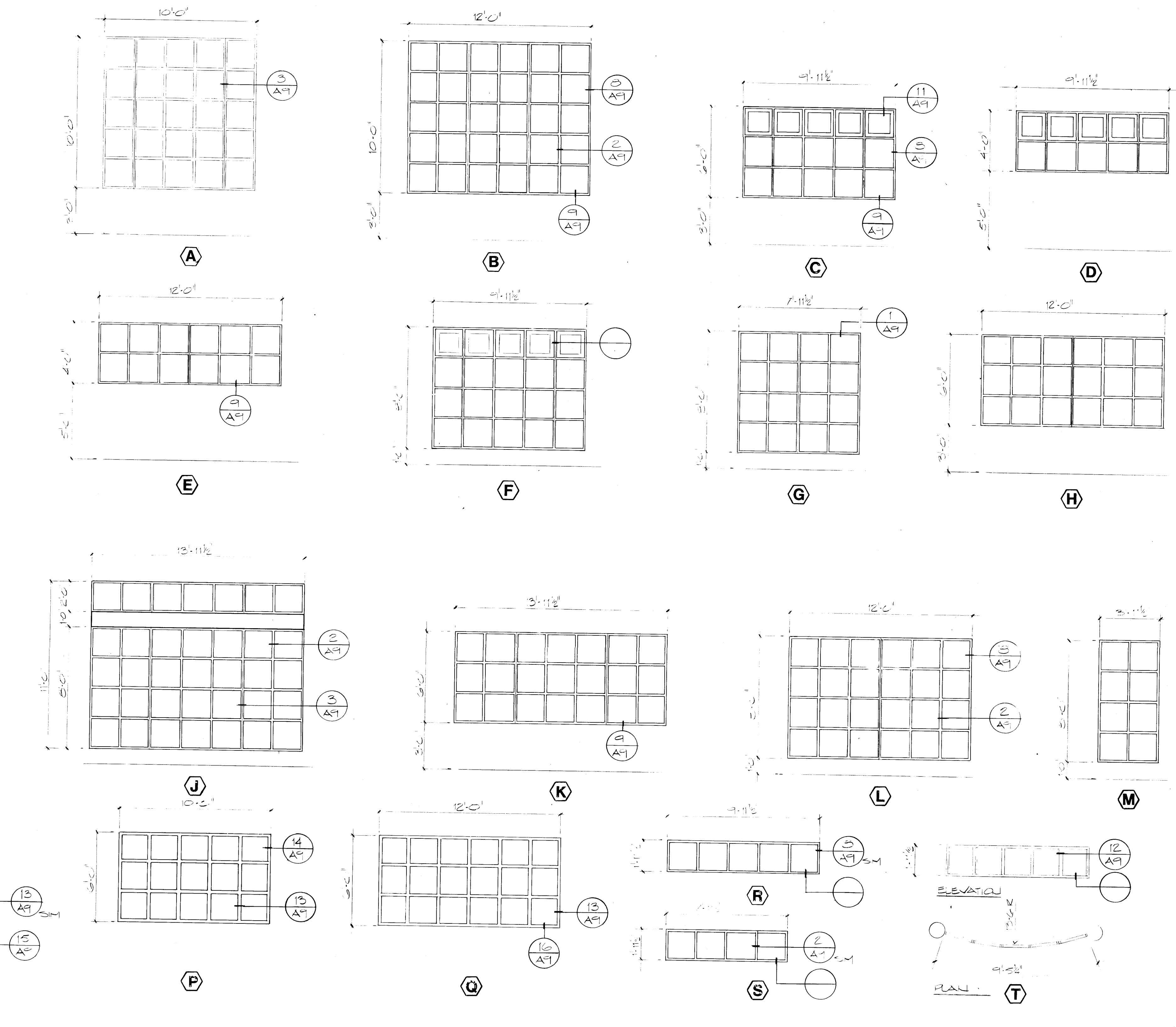
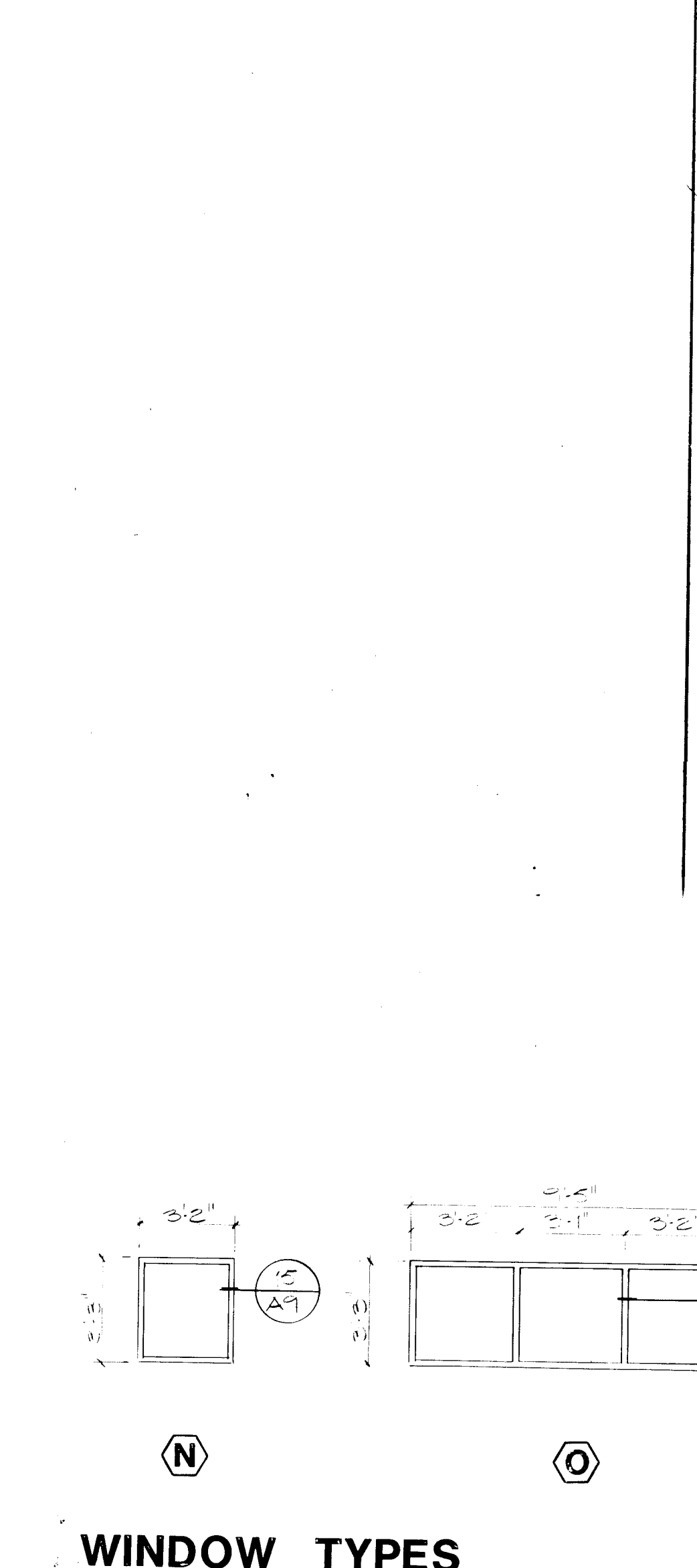
GLAZING TYPES KEY

A. 5/8" INSULATED DOUBLE GLAZING.

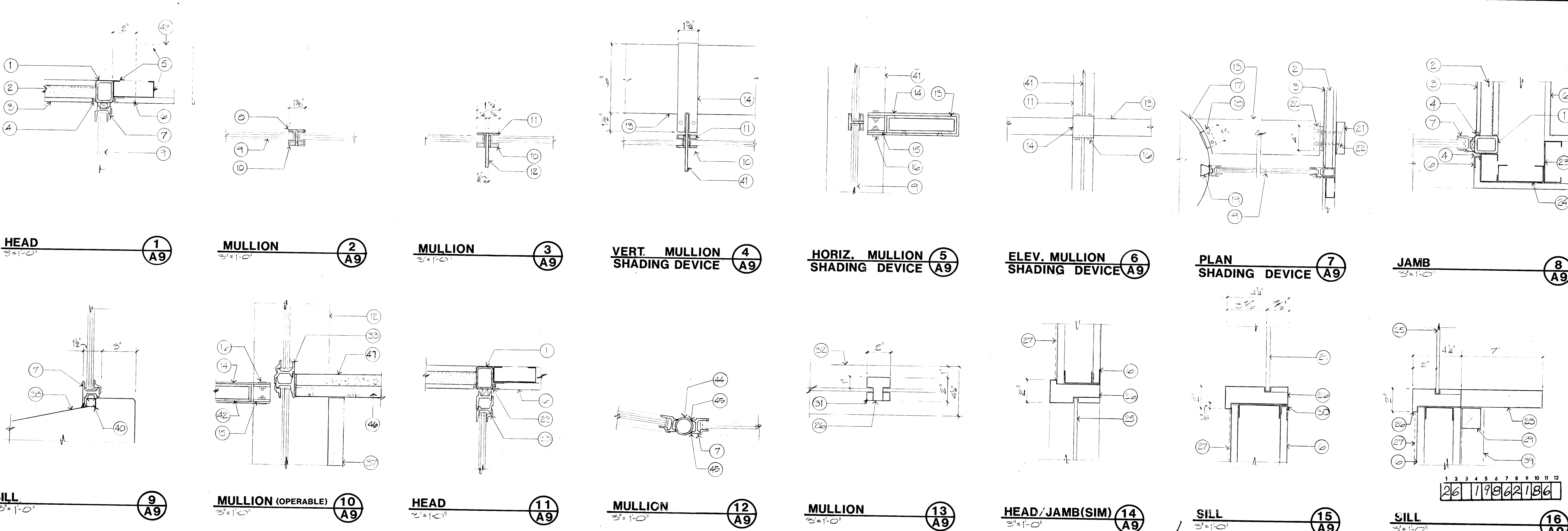
B. 5/8" TEMPERED INSULATED DOUBLE GLAZING.

C. 1/4" PLATE GLASS.

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



- NOTES**
- 1-1/2" X 2" X 1/8" STEEL TUBE CONTINUOUS.
 - 1" CEMENT PLASTER MORTAR BED ON 3/4" LB. SELF-PURRING LATH OVER 15 LB. FELT PAPER ON 1/2" GYP SHEATHING AS SPECIFIED.
 - EXTERIOR PORCELAIN CERAMIC FACING TILE AS SPECIFIED.
 - CONTINUOUS 1/4" CAULK BEAD.
 - 16 GAGE "C" STUD.
 - 5/8" GYPBOARD SHEATHING.
 - STEEL SASH WINDOW SYSTEM AS SPECIFIED.
 - STEEL "T" MULLION BAR PER MANUFACTURER'S DETAIL.
 - INSULATING DOUBLE GLAZING.
 - GLAZING STOPS.
 - 3/4" X 1" X 1/8" ANGLE. SHOP WELD ONE SIDE TO REINFORCING BAR AND GRIND SMOOTH. JOIN OTHER SIDE IN FIELD WITH FASTENER.
 - 1/4" STEEL STIFFENING PLATE DEPTH OF BAR TO BE SIZED BY MANUFACTURER FOR WIND LOADING.
 - 1-1/2" X 6" X 1/8" ALUMINUM TUBE SECTION. TYPICAL AT JOINING OF DIFFERENT METALS.
 - 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.
 - STAINLESS STEEL MACHINE BOLTS, NUTS, WASHERS. TYPICAL AT JOINING OF DIFFERENT METALS.
 - 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.
 - CAST IN DOVETAIL CONSTRUCTION ANCHOR WITH NON-COMBUSTIBLE WOOD BLOCKING.
 - 1-1/4" X 1-3/4" X 3/16 X 4" LONG ALUMINUM ANGLE. CAULK BETWEEN ANGLE AND FACING TILE.
 - 2 X 6 NON-COMBUSTIBLE WOOD BLOCKING CONTINUOUS.
 - 1/4" X 3-1/2" LAG BOLTS. PREDRILL HOLE THRU TILE MORTAR BED AND GYPSUM SHEATHING FOR BOLT TO CLEAR.
 - 3-5/8" 25 GA. METAL STUDS AT 24" O.C. TYPICAL.
 - 4" 16 GA. STEEL STUD FRAMING.
 - 1/4" GLAZING.
 - SOLID OAK WINDOW FRAMING.
 - WALL FABRIC AS SCHEDULED.
 - OAK TOP TO COVER SHELVE.
 - 2 X 2 WOOD BLOCKING.
 - 1" METAL HEAD CONTINUOUS TYPICAL AT ALL GYP-BOARD ENDS. MAINTAIN 1/4" CLEARANCE FOR THE SEALANT JOINT.
 - OAK WINDOW STOPS.
 - LINE OF SILL BELOW. AT WINDOW #25, SEE DETAIL 15/A-9 FOR LOCATION OF MULLION IN SILL.
 - OPERABLE WINDOW SASH AS SPECIFIED.
 - DELETE.
 - DELETE.
 - METAL STUD FRAMING AS REQUIRED.
 - 8" REINFORCED TROMBE WALL, CELLS FILLED SOLID WITH SAND WHERE NOT GROUTED.
 - SILL.
 - SHELVE SUPPORT PROVIDED BY OTHERS. COORDINATE BLOCKING AND WOOD TOP WITH SHELVE MFR.
 - 3/4" X 3/4" X 1/8" TUBE SECTION WELDED TO SILL.
 - STIFFENING BAR TO EXTEND 2" FROM FACE OF THE WINDOW FRAME AT TROMBE WALL LOCATIONS.
 - AT OPERABLE SASH LOCATIONS, ALUMINUM TUBE SHADING DEVICE MUST BE OFF CENTER TO ALLOW FOR OPERATION OF WINDOW. KEEP OFFSET TO A MINIMUM.
 - RECESS FOR MINI BLINDS AT WINDOWS WITH BLINDS.
 - 1 1/4" (INSIDE DIA.) STEEL PIPE MULLION.
 - SHOP WELD & GRIND SMOOTH STEEL WINDOW SECTION TO PIPE MULLION AT PROPER ANGLE TO ACHIEVE RADIUS.
 - 3/4" CDX PLYWOOD ANCHORED TO BLOCK WALL.
 - PLASTER ON LATH.



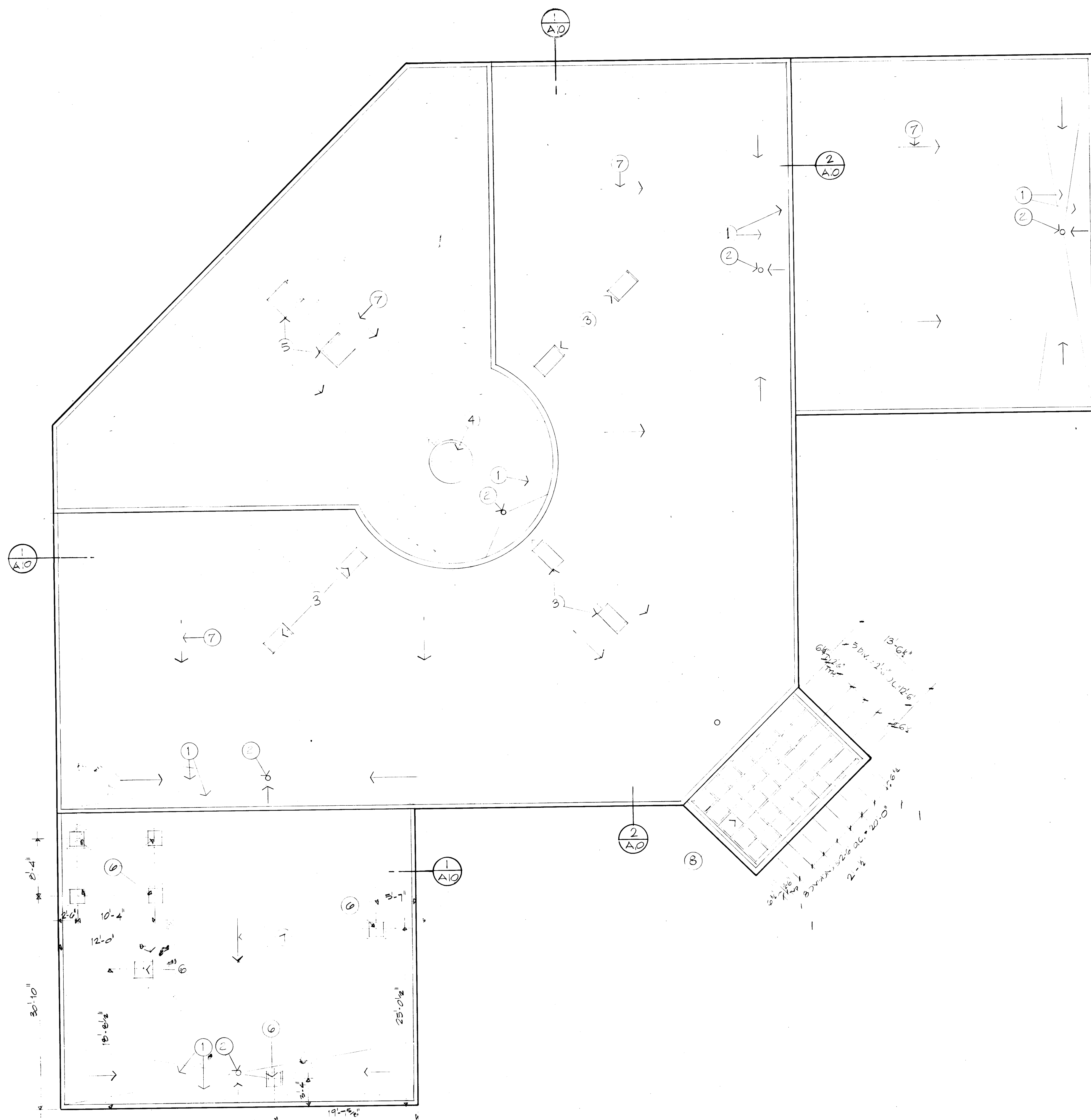
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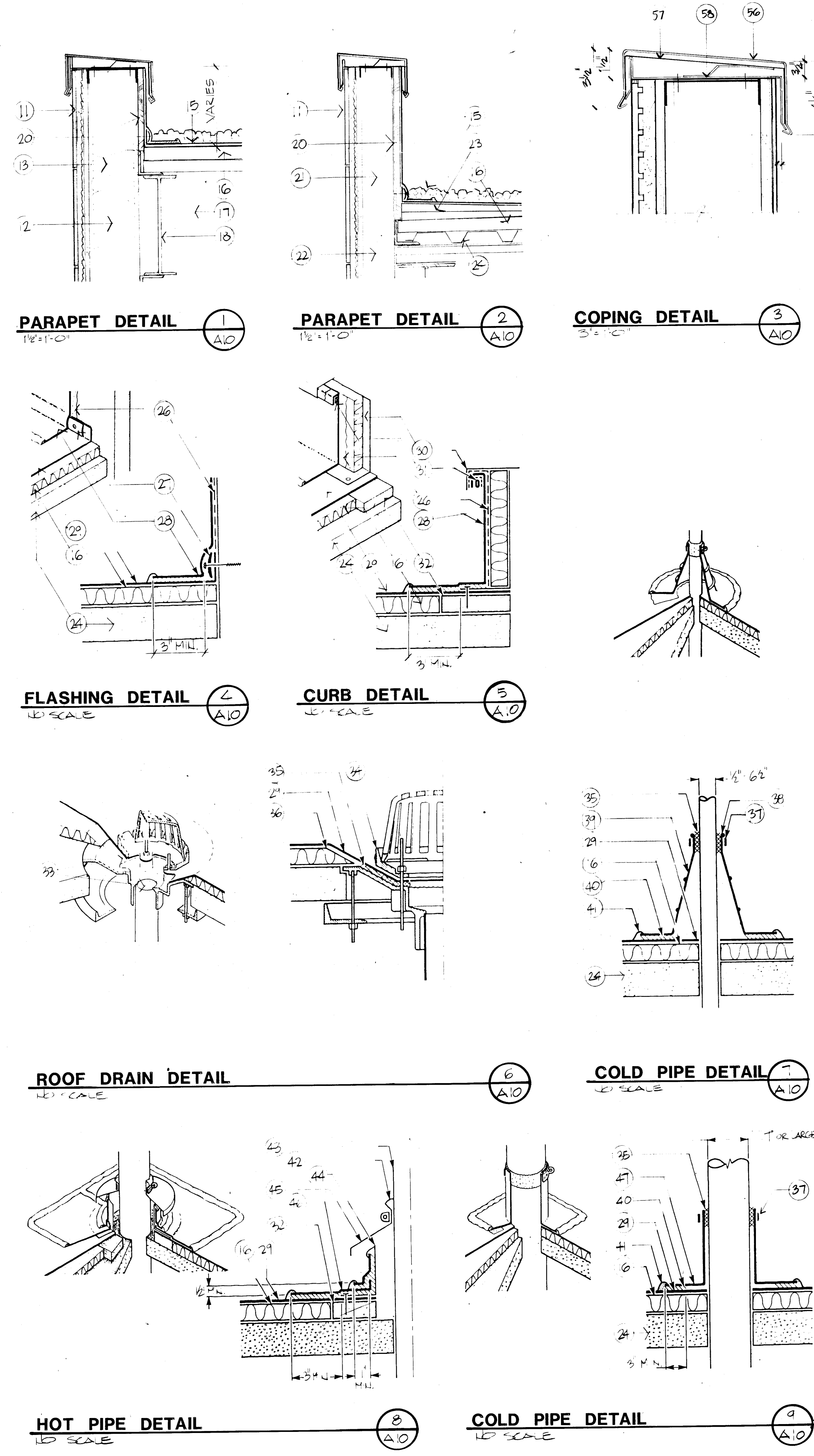
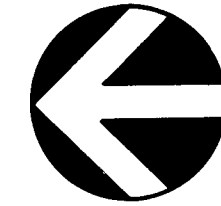
WINDOW SCHEDULE
Types and Details
1986

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ROOF PLAN

1/8" = 1'-0"

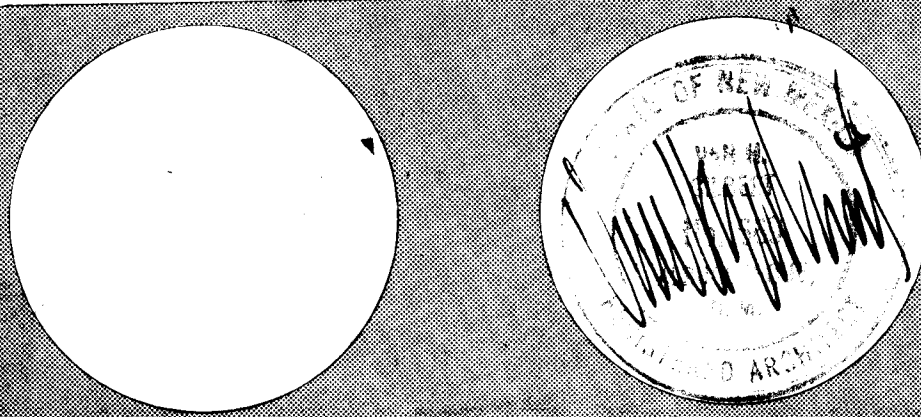


NOTES

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 ROOFRATE TRELLIS, 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. 1/2" RIGID INSULATION, MUST CONFORM TO SUBSTRATE RECOMMENDATIONS OF ROOF MEMBRANE MANUFACTURER FOR FLUTE SPAN.
17. R-30 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-19 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" EDPM MEMBRANE FLASHING.
29. .045" EDPM 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 TAPER 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. SPICING CEMENT.
41. LAP SEALANT.
42. SEALANT.
43. HOT PIPE.
44. METAL COLLAR.
45. RAIN HOOD.
46. FLASHING WITH LAP SPICE (MIN. 3" SPICE).
47. PRE-FABRICATED PIPE SEAL. MUST NOT BE CUT VERTICALLY.
48. WADE 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. OUTER SPACE PLATE.
58. ANCHOR PLATE.

Van H. Gilbert Architect AIA

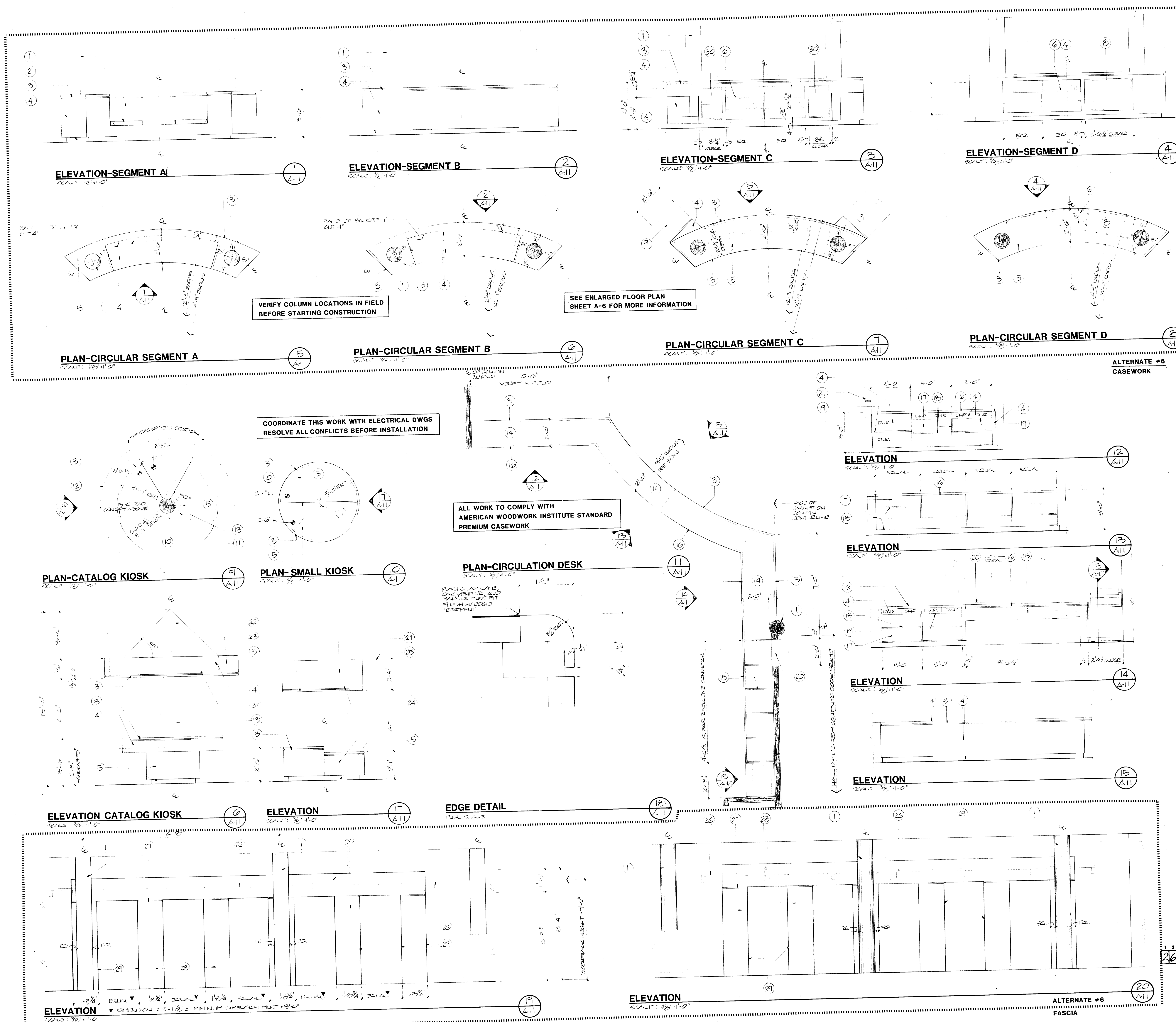
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DRAWN BY: [illegible]
DATE: 1/2/86

ROOF PLAN
1986
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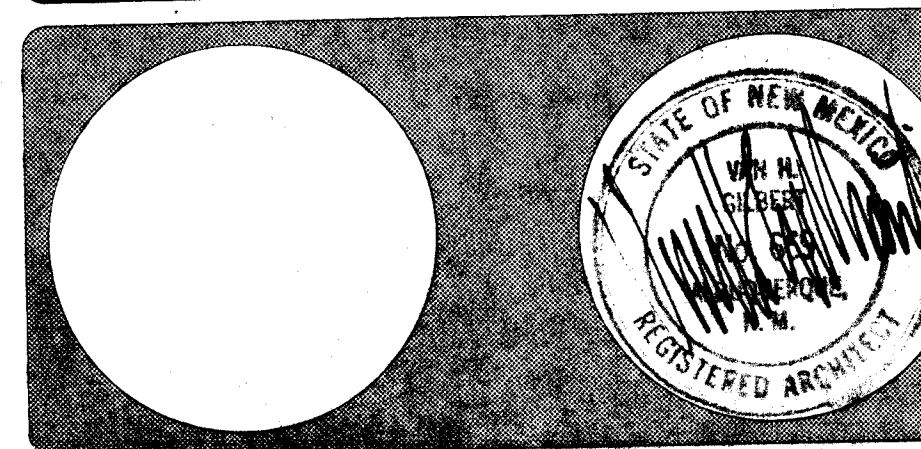


NOTES

1. CONCRETE COLUMNS WITH RUBBED FINISH. SEE FLOOR PLAN FOR THE LOCATIONS. ALTERNATE NO. 12 - PROVIDE LIGHT SANDBLAST FINISH.
2. FABRIC, AS SPECIFIED, ON COMPOSITE FOAM CUSHIONS WRAPPED IN DAKRON FIBER. CUSHIONS 4" THICK TO BE ATTACHED TO OAK PLYWOOD BUILT-IN WITH VELCRO STRIPS ALONG ENTIRE WIDTH OF EACH CUSHION. PLACE STRIPS ALONG BACK EDGE OF BOTTOM CUSHIONS AND 4" DOWN BACK SIDE OF BACK CUSHION.
3. OAK 1/4" ROUND 1-1/2" X 1-1/2" WITH 1/4" MATCHING OAK REVEAL.
4. RIPP-CUT, SLIT, MATCHED OAK VENEER ON 3/4" PLYWOOD AS SPECIFIED. PROVIDE CLEAR FINISH AS SPECIFIED. ON CURVED SURFACES APPLY VENEER TO 1/4" PLYWOOD OVER TWO ADDITIONAL 1/4" PLYWOOD LAYERS.
5. PLASTIC LAMINATE ON 3/4" PLYWOOD AS SPECIFIED. ON CURVED SURFACES, APPLY PLASTIC LAMINATE TO 1/4" PLYWOOD OVER TWO ADDITIONAL 1/4" PLYWOOD LAYERS.
6. OAK VENEER ON 3/4" PLYWOOD 12" ADJUSTABLE SHELVES. PROVIDE 3/4" SOLID OAK EDGE BONDING IN LIEU OF VENEER TAPE. PROVIDE "HARLE" (OR EQUAL) WIRE DIVIDERS FOR EACH SHELF. HOLES FOR DIVIDERS SPACED 1' O.C., NUMBER OF DIVIDERS TO BE SIX PER SHELF. DIVIDER SIZE APPROXIMATELY 5-1/4" CL TO CL X 6-7/16" HIGH. SUPPORT SHELVING ON KNAVE 4" VOLT 255AL STANDARDS AND 256 CLIPS OR EQUAL.
7. PROVIDE OPENING TO RECEIVE ATLAS SHELF UNIT BY OTHERS. VERIFY ALL CLEAR OPENING DIMENSIONS WITH UNIT MANUFACTURER. ATLAS STAND DIMENSIONS ARE 25-3/16" H X 32-1/2" W X 20-1/4" D.
8. PROVIDE OPENING TO RECEIVE MICROPHONE LATERAL FILES BY OTHERS. VERIFY ALL CLEAR DIMENSIONS WITH UNIT MANUFACTURER.
9. DESK BY OTHERS.
10. CONDUIT TERMINAL BY OTHERS.
11. ELECTRICAL WIRE ACCESS GROMMETS BY DOUG ROCKETT & CO., INC. OR EQUAL. GROMMET IS 1-3/4" DIAMETER WITH US26 FINISH. PROVIDE WITH TWO SLOTS IN EACH GROMMET. SEE SPECS.
12. LINE OF CANOPY LAMINATE TO NOTE 1 ABOVE. THIS COLUMN TO SUPPORT 1 X 1 STEEL TUBE STRUCTURE FOR CANOPY.
13. DELETED.
14. OAK VENEER FACE ON 3/4" PLYWOOD WITH PLASTIC LAMINATE BACK. PROVIDE 1 X 1 STEEL TUBE SUPPORTS BOLTED TO THIS PANEL AND WALL TO PROVIDE SUPPORT FOR BOOK RETURN CONVEYOR (SUPPLIED BY OWNER). VERIFY CONVEYOR DIMENSIONS WITH MANUFACTURER. SLOPE OF CONVEYOR TO BE 1" PER FOOT.
15. 1-1/2" X 1-1/2" OAK EDGE WITHOUT 1/4" ROUND. ALL EXPOSED SURFACES OF CABINET INTERIORS TO RECEIVE PLASTIC LAMINATE ON 3/4" PLYWOOD.
16. ALL FACE FRAMES TO BE OAK INCLUDING FRONT AND REAR SHELF EDGES.
17. PROVIDE 1" CLEAR WITH RECESSED FINGER PULL ROUTED FROM OAK DRAWER FRONT. PROVIDE ON THE BOTTOM OF UPPER DRAWERS AND ON TOP OF LOWER DRAWERS.
18. BOOK RETURN SILL OF STAINLESS STEEL. SEE WINDOW DETAILS.
19. WALL THICKNESS OAK CAP WITH 1/4" OAK REVEAL CONTINUOUS.
20. 3/4" GYPSON PLASTER TON-COAT SYSTEM OVER 3/4" EXPANDED METAL LATH. USE KRENE CEMENT FINISH TROWELED UNTIL COMPLETELY SMOOTH. SEE SPECIFICATIONS FOR PLASTER AND PAINT WORK.
21. CONTINUOUS COVE TO RECEIVE LIGHT FIXTURES. VERIFY FIXTURE DIMENSION. SEE ELECTRICAL DWG.
22. 5/8" TYPE X CYBOARD CANOPY CEILING. PROVIDE SMOOTH FINISH TO RECEIVE ACOUSTICAL FABRIC. RECESS CEILING TO EXPOSE EDGE TREATMENT INCLUDING 1/4" REVEAL.
23. ACOUSTICAL CEILING AS SPECIFIED.
24. BOOK STACK MOUNTED LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS. MOUNT FIXTURE ON BOTTOM OF 5/8" O.C. COORDINATE LOCATIONS OF TUBING WITH BOOKSTACK BRACING. CLOSE ALL EXPOSED ENDS WITH ALUMINUM CLOSURES. PAINT TUBES TO MATCH CUSTOM COLOR ON LIGHT FIXTURES.
25. 1/4" REVEAL WITH ALL EXPOSED EDGES COVERED IN PLASTIC LAMINATE.
26. PLASTIC LAMINATE ON 3/8" PLYWOOD OVER TWO ADDITIONAL 3/8" PLYWOOD LAYERS. FINAL BACKSIDE LAYER TO HAVE ALL EXPOSED SURFACES COVERED IN PLASTIC LAMINATE. ALL EDGES TO HAVE PLASTIC LAMINATE BONDING. ATTACH PANELS TO BOOK STACK SIMILAR TO INSTALLATION METHOD EMPLOYED BY THE BOOKSTACK MANUFACTURER FOR END PANELS ON THIS PROJECT. COORDINATE INSTALLATION WITH THE ELECTRICAL REQUIREMENTS.
27. BOOKSTACKS 90" H X 20-3/4" W BY OTHERS.
28. VERTICAL FILE (NIC). VERIFY DIMENSIONS WITH MANUFACTURER FOR NET OPENING IN SEGMENT.
29. GYP. BOARD, TAPE, TEXTURED, AND PAINTED.

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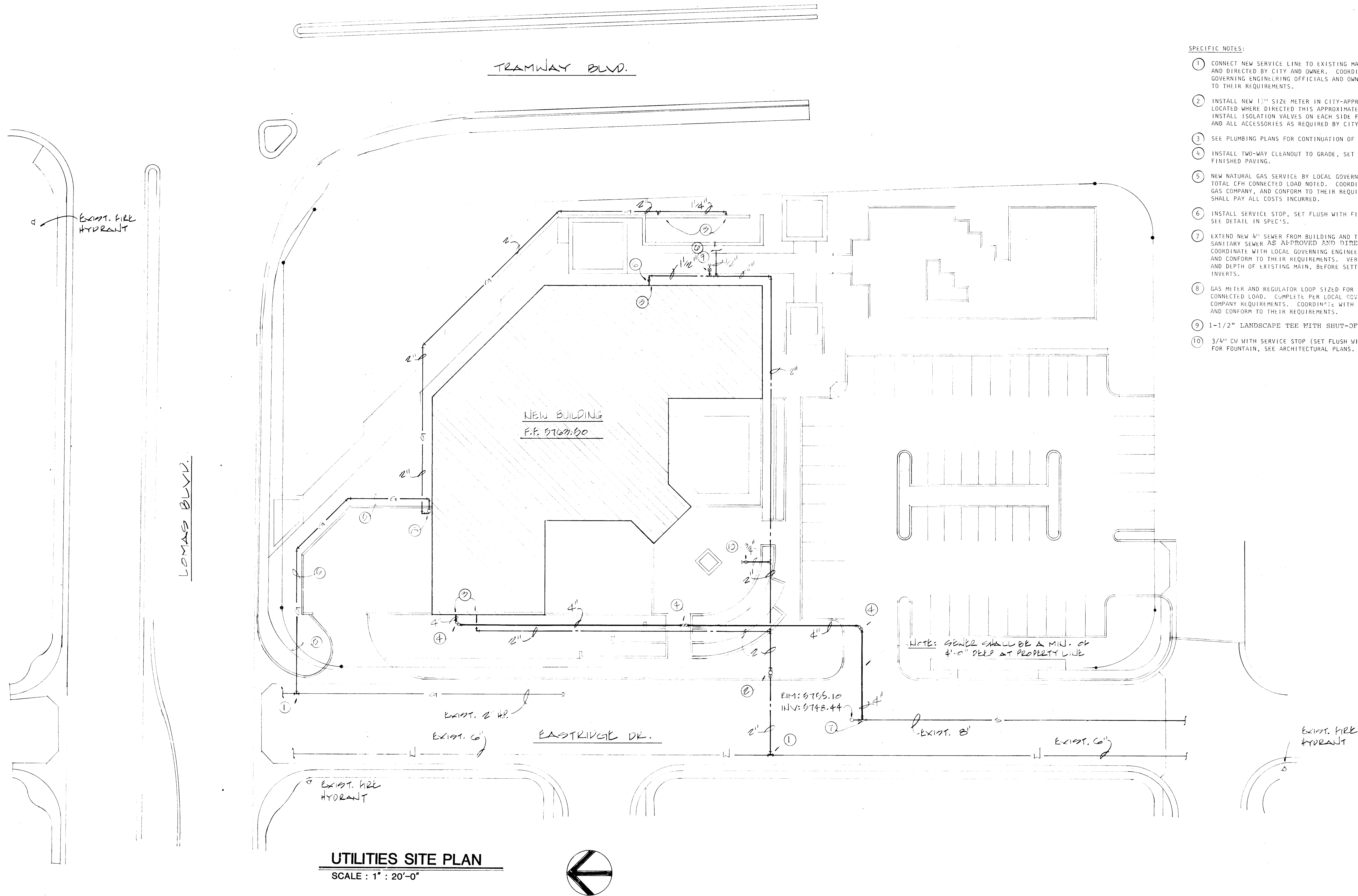


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CASEWORK PLANS
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UTILITIES SITE PLAN
SCALE: 1" = 20'-0"

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 U.S.F.A. STANDARDS.

ALL WATER PIPING BELOW FLOOR SHALL BE TYPE "C" COPPER, NO JOINTS, WRAPPED COMPLETE WITH EXTRUDED OR WITH 2" WIDTH OF 180° SECTIONWRAP 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. 365-46, SEMCO NO. PH855 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 RADS; SERVICE STOPS AND BOXES; SERVICE LINES; TESTING; CLEANING; AND STABILIZING.

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 UTILITY'S ENGINEERING OFFICIALS AND SHALL CONFORM TO THEIR REQUIREMENTS.

UTILITIES CONNECTION POINTS ARE APPROXIMATE ONLY. CONTRACTOR SHALL SATISFY HIMSELF AS TO EXISTING SIZE, 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 EXIST 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

TYPICAL WALL #2:

OUTSIDE AIR FILM	0.17
INSULATING GLASS	0.65
8" CMU	1.72
INSIDE AIR FILM	0.68
R =	3.22
U =	.31

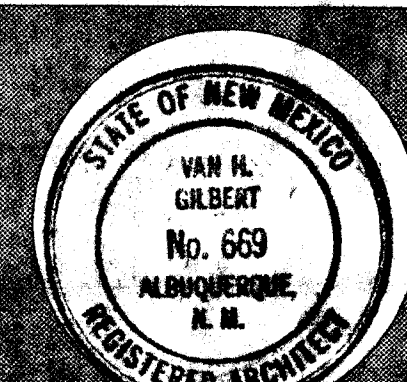
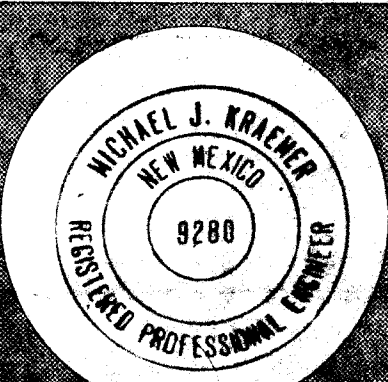
WALL CALCULATIONS:

WALL AREA #1 =	5,078
WALL AREA #2 =	640
DOOR (11'-0") =	1,800
INSUL. GLASS =	1,672

EQUIPMENT SCHEDULE							
SYMBOL	DESCRIPTION						
① THRU ④	AIR WASHER: 10" CENTRIFUGAL TYPE BLOWERS, ADJUSTABLE V-BELT DRIVES, BEARINGS SHALL BE SELF-ALIGNING 5 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 SYSTEM, 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. AND ALTOY, OR APPROVED EQUAL. MOTORIZED DISCHARGE DAMPERS.						
SYMBOL	MODEL	CFM @ " ESP	HP	RPM	BLOWER ELECT.	OP. WT.	
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	
⑤ THRU ⑧	OUTDOOR FURNACE: AGA APPROVED, FOR OUTDOOR USE, NAT. GAS FIRED, ORIFICED 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 (FIBROGLASS TYPE), 23 VOLT CONTROLS, SET MINIMUM FRESH AIR AS NOTED, MOTOR-1200 DISCHARGE DAMPERS NO'S. ARE REZOR, OR APPROVED EQUAL. SET ON EQUIPMENT SUPPORT PER DETAIL IN SPEC., TWO-STAGE GAS CONTROLS FOR ⑥ & ⑦.						
SYMBOL	MODEL	CFM @ " ESP	BLOWER HP	WT.	SEA LEVEL	ELECTRICAL	
⑤	HREB-200	4200 @ .30"	3	800#	200,000	208-60-38	
⑥	HREB-400	6000 @ .50"	3	1200#	400,000	208-60-38	
⑦	HREB-400	6000 @ .50"	3	1200#	400,000	208-60-38	
⑧	HREB-150	2800 @ .30"	2	700#	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	
⑨ AND ⑩	EXHAUST FAN: SQUIRREL CAGE BLOWER, MOUNTED FROM OVERHEAD CONSTRUCTION, INLET GRILLE, 120-60-18 ELECTRICAL, SCREENED HOODCAP, BACKDRAFT DAMPER, GREENHECK, OR APPROVED EQUAL. CABINETS INSULATED COMPLETE.						
SYMBOL	MODEL	CFM @ " ESP	HP	NOTES			
③	SP-17	101 @ .375"	1/50	INTERLOCK W/LIGHTS			
⑩	SP-27	315 @ .250"	1/15	INTERLOCK W/LIGHTS			
⑪	AIR SCREEN: GREENHECK MODEL 36C, 1/2" HP, 1750 RPM, 115-60-18, 1750 CFM AT NOZZLE, 2275 FPM AT NOZZLE, SEE ARCHITECT DETAIL FOR MOUNTING, OR EQUAL.						
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 OPTIMIZED BLADE VOLUME DAMPER, OFF-WHITE COLOR, FOR APPLICABLE TYPE CEILING, PAINT INSIDE OF DUCT FLAT BLACK, OR APPROVED EQUAL.						
FR	FLOOR REGISTER: TITUS MODEL CMT-15 WITH OPTIMIZED BLADE VOLUME DAMPER (ALLEN KEY OPERATED), 0" DEFLECTION, 1/2" O.C. SPACING, STAINLESS ALUMINUM CONSTRUCTION, HEAVY DUTY MOUNTING FRAMES FOR FLOOR APPLICATION, OR APPROVED EQUAL.						
RA2	RETURN AIR REGISTER (SIDEWALL): SAME AS FR, OFF-WHITE COLOR.						
ER	EXHAUST REGISTER: SAME AS RA2 (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.							

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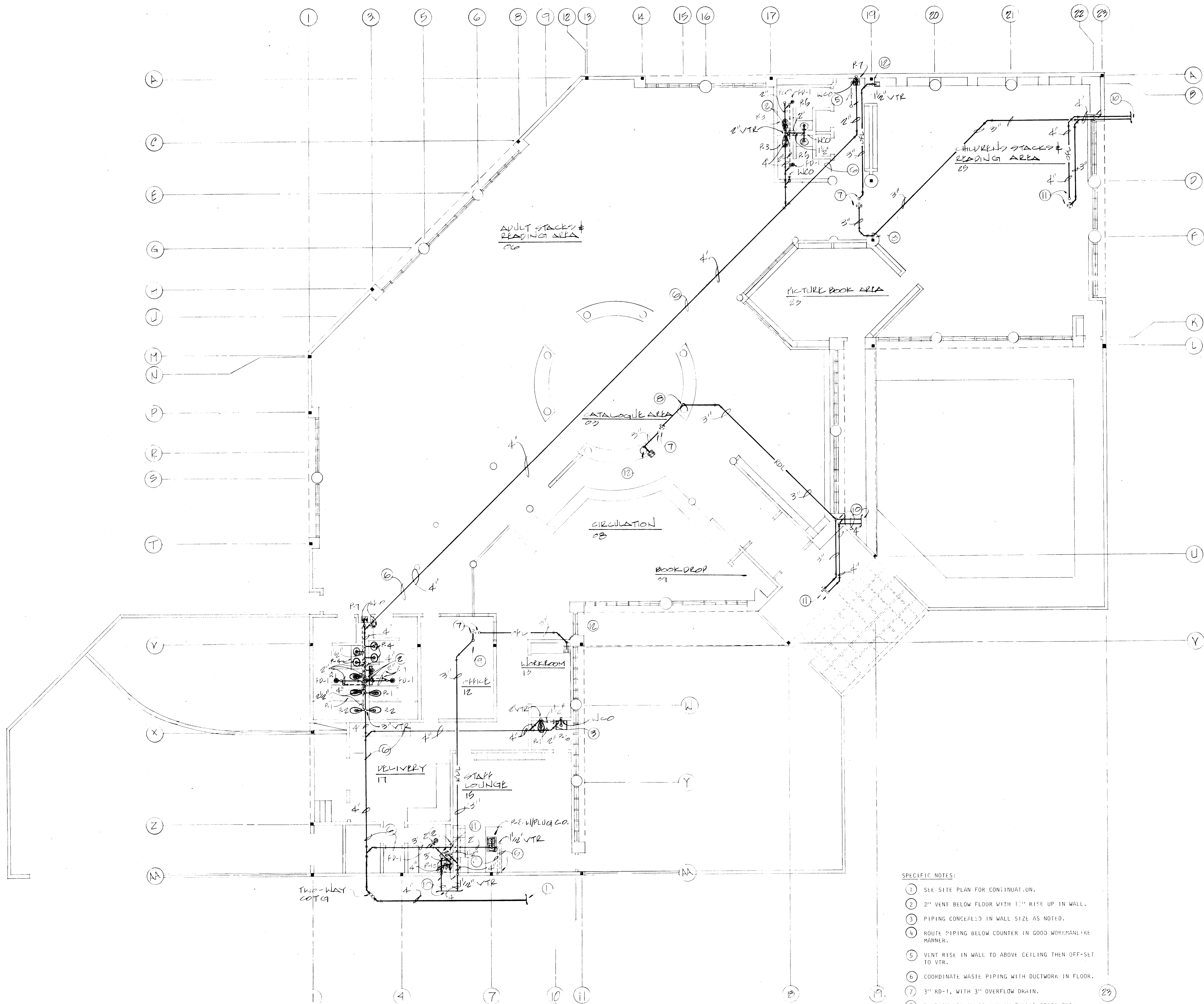
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SOIL WASTE & VENT PLAN
SCALE : 1/8" = 1'-0"

SPECIFIC NOTES:

1. SEE SITE PLAN FOR CONTINUATION.
2. 2" VENT BELOW FLOOR WITH 1" RISE UP IN WALL.
3. PIPING CONCEALED IN WALL SIZE AS NOTED.
4. ROUTE PIPING BELOW COUNTER IN GOOD WORKMANLIKE MANNER.
5. VENT RISE IN WALL TO ABOVE CEILING THEN OFF-SET TO VTR.
6. COORDINATE WASTE PIPING WITH DUCTWORK IN FLOOR.
7. 3" RD-1, WITH 3" OVERFLOW DRAIN.
8. DROP 3" RD ON COLUMN IN FURRED SPACE FROM HIGH CEILING INTO LOWER CEILING SPACE, COORDINATE WITH CLERESTORIES.
9. DROP 3" RD IN WALL BETWEEN CLERESTORIES FROM HIGH CEILING TO LOWER CEILING SPACE.
10. DROP 4" RD DOWN IN WALL FROM ABOVE CEILING TO BELOW GRADE. SEE SITE DRAINAGE & GRADING PLAN FOR CONTINUATION.
11. 3" RD-1, WITH 4" OVERFLOW DRAIN.
12. DROP 3" DFL DOWN IN FURRED SPACE AT SIDE OF CLERESTORIES. EXTEND OFF 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, 1 1/2" 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 "HIDDLIFF" MODEL NO. K-4268-ET, SIPHON JET ACTION, ELONGATED BOWL, VITREOUS CHINA, FLOOR MOUNTED, 1 1/2" 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, 1 1/2" 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 1 1/2" SIZE), NO. K-7607 SUPPLIES, AND NO. K-6883 TRIM INSULATE P-TRAP AND HW SUPPLY COMPLETE WITH 1" FIREGLASS 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 1 1/2" 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: HAWS MODEL HWA-8, WALL MOUNTED, STAINLESS STEEL BASIN, C.P. BUBBLER, 1/5 HP COMPRESSOR, 115-60-10, 7.5 GPH 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. LR-250, 33" X 22", 18 GAGE, 302 STAINLESS STEEL, SOUND DAMPENING, SELF-RIMMING, LR-35 STRAINER, LOOSE-KEY STOPS, P-TRAP WITH CLEANOUT, 1 1/2" WASTE, 1 1/2" VENT, 1/2" CW, 1/2" HW, & LR-100 SINGLE LEVER TRIM WITH G.E. MODEL GF600 DISPOSER.
P-9	URINAL: KOHLER "FRESHMAN" MODEL NO. K-9985-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 "WHITBY" MODEL NO. K-6710 ACID RESISTING ENAMEL, K-8940 RIM GUARD, K-8928 FAUCET WITH "VALVE" 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-Y, TILE (UNLESS OF ASS. V.): SMITH FIGURE 4113, RECESS FOR TILE. CARPET: SMITH FIGURE 4023-Y, WITH CARPET MARKER.
COTG	CLEANOUT: (OUTSIDE OR UNFINISHED FLOOR) SMITH FIGURE 4023-Y, WITH VANDALPROOF 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 BTU/H S/L INPUT, ORIFITTED FOR SITE ELEVATION, 40 GALLON STORAGE IN GLASS-LINED TANK, 3" I.D. METAL-BESTOS TYPE "B" VENT THROUGH ROOF TO BREASTED FLUE CAP, WITH ASMA 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 HP90245, 9KW, INSTANTANEOUS WITH NO STORAGE, 1/2" INLET WITH GATE VALVE & UNION WITH 1/2" OUTLET WITH UNION INSTALL PER MANUF. REQUIREMENT. FURNISH ALL VALVES. AS SHOWN
RD-1	ROOF DRAIN: SMITH FIGURE 1010, CAST-IRON BODY WITH 16" DIA. AND FLASHING COLLAR, BOLT, UNDERDECK CLAMP, OR EQUAL.

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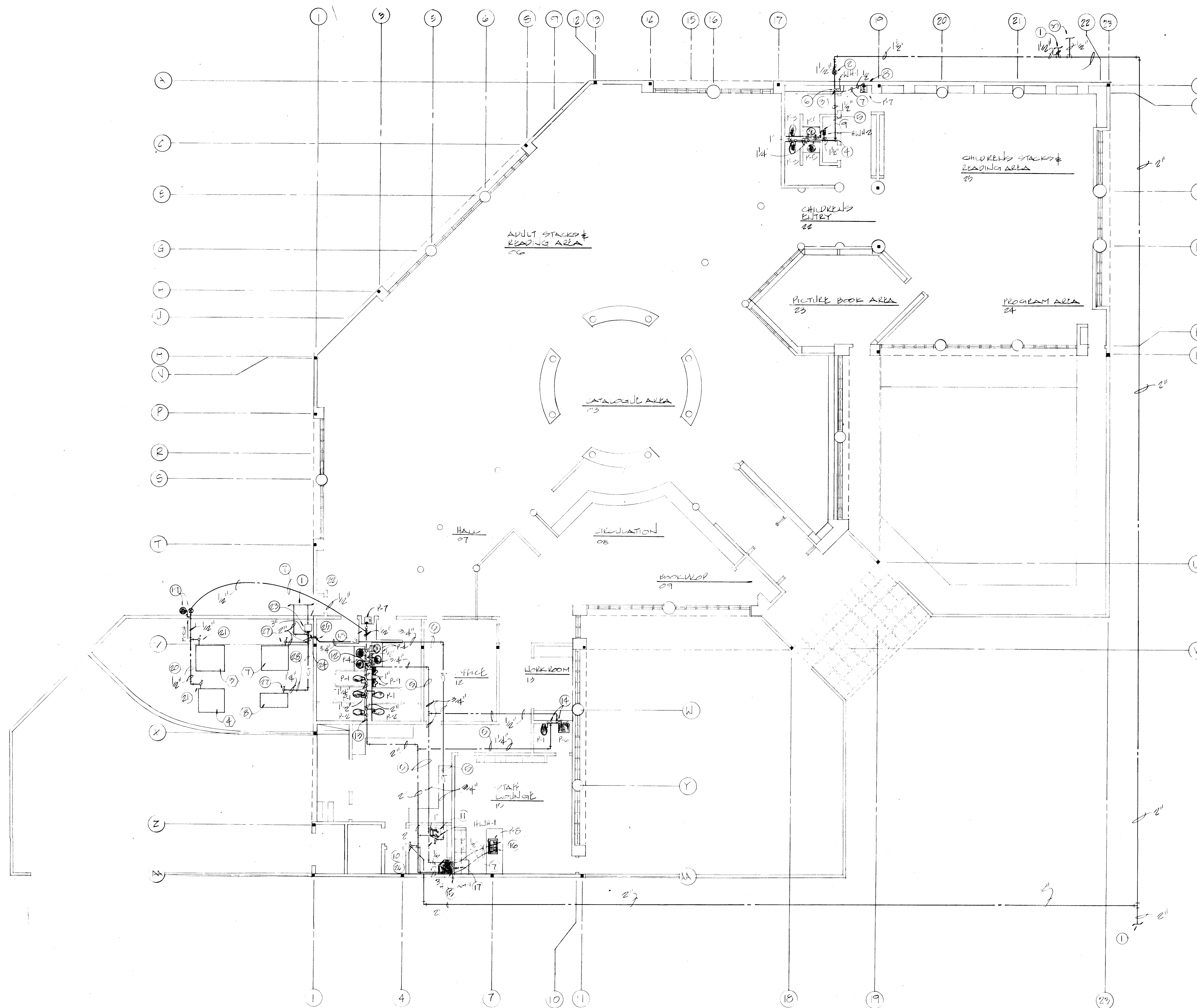
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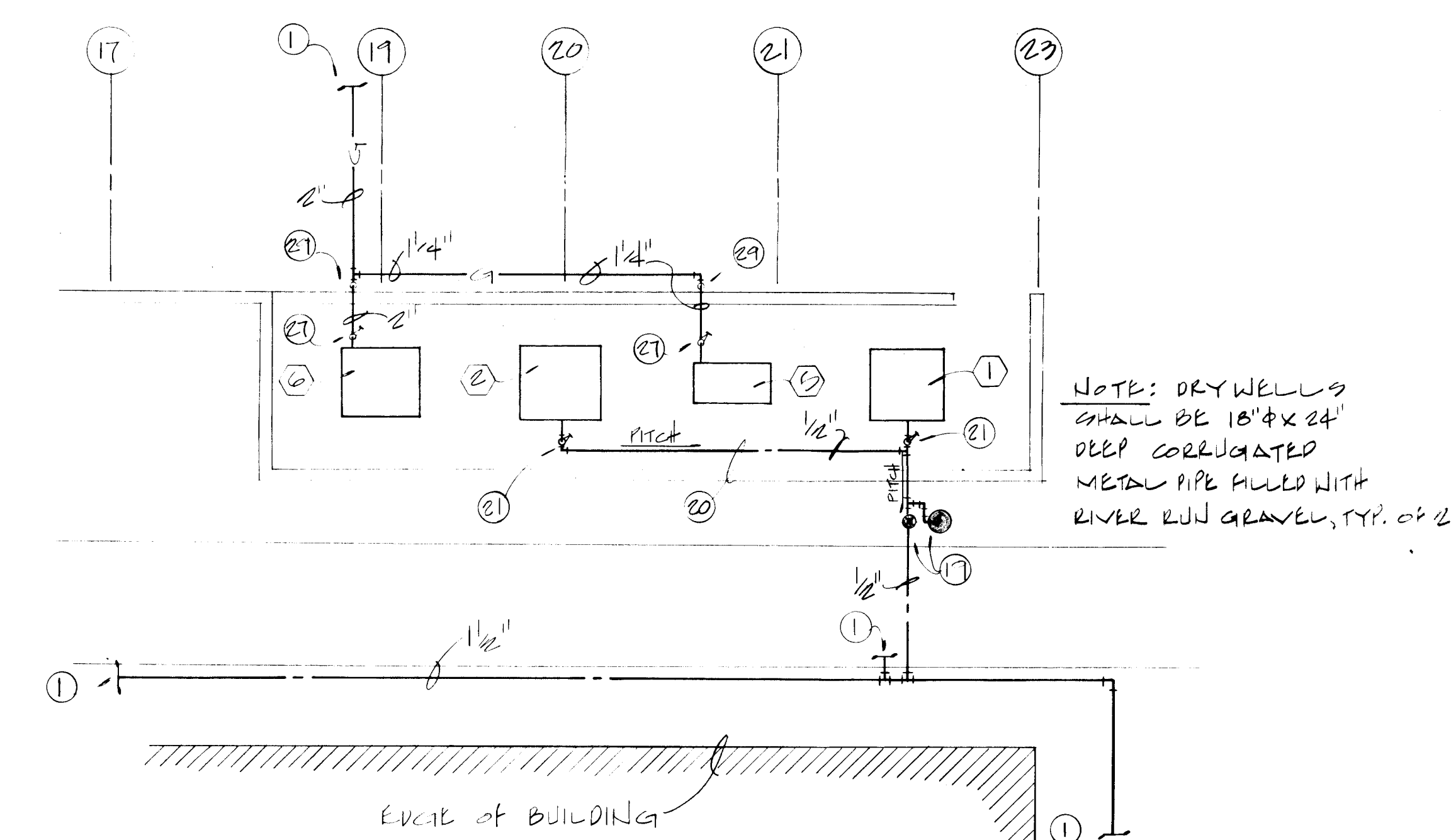
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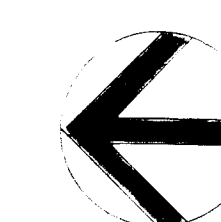


WATER & GAS PLAN
SCALE : 1/8" = 1'-0"

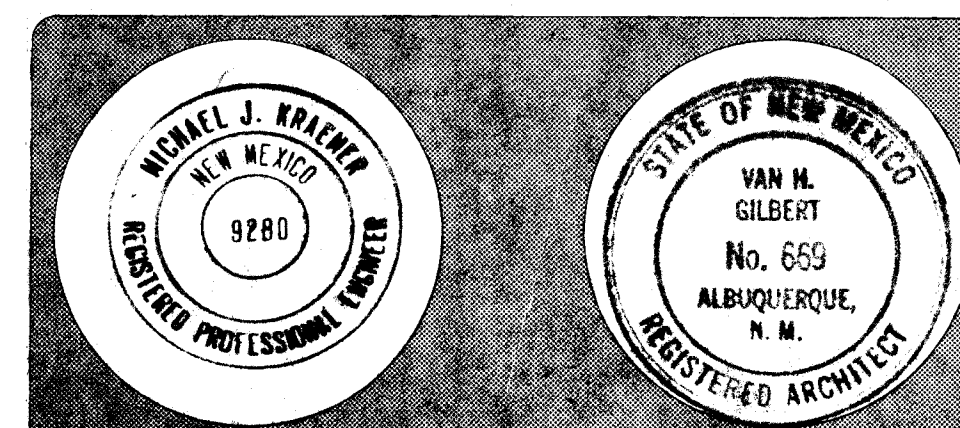
- SPECIFIC NOTES:**
- SEE SITE PLAN FOR CONTINUATION.
 - SERVICE STOP SEE DETAIL IN SPEC'S.
 - 1/2" CW RISE IN WALL TO ABOVE CEILING FROM BELOW GRADE, WITH WHA-1 AT TOP OF RISE.
 - 1/2" CW DROP IN WALL FROM ABOVE CEILING.
 - ROUTE PIPING ABOVE CEILING, SIZE AS NOTED, COORDINATE WITH LIGHTS AND STRUCTURAL.
 - 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 TYP. "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 1/2" 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 REL. 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 BE 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"



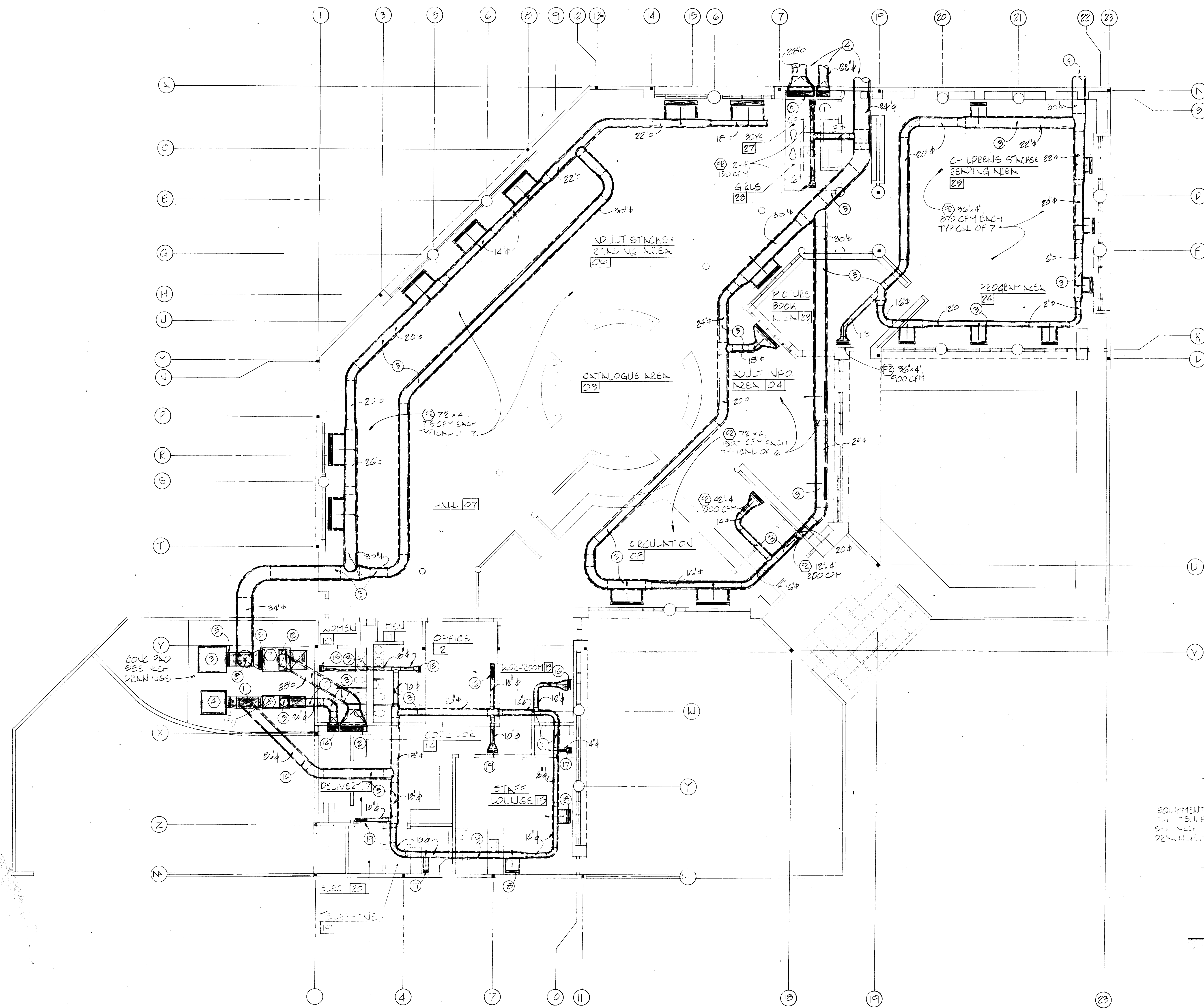
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WATER AND GAS PLAN Sheet **M3**
1986 27 of 24

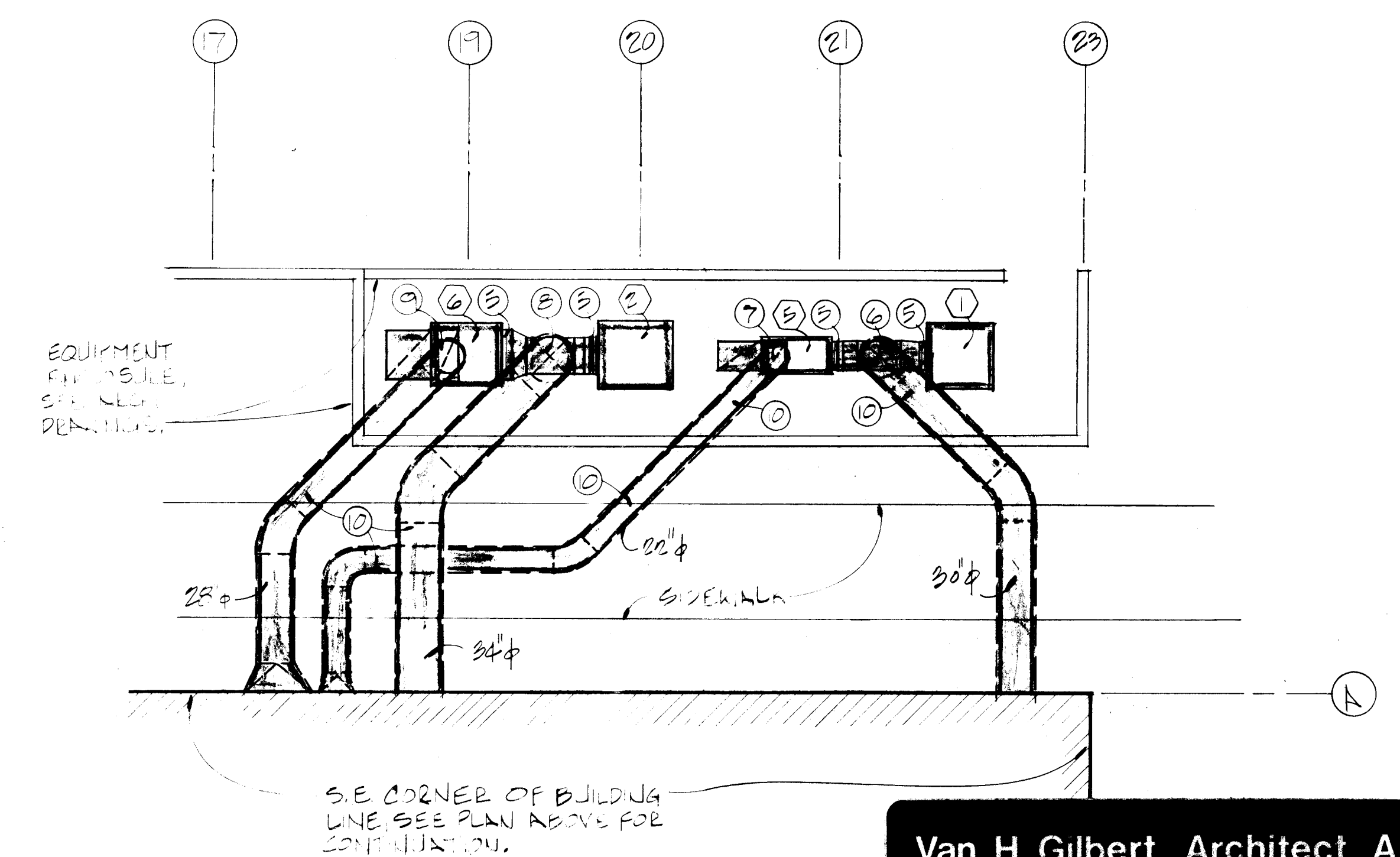


MECHANICAL PLAN - UNDER FLOOR DUCT WORK

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

SPECIFIC NOTES:

- 1 32" X 14" WITH 1" A.L. FROM ABOVE CEILING, DOWN IN CHASE TO BELOW SLAB, ELBOW & TRANSITION TO 22" DUCT.
- 2 54" X 14" WITH 1" A.L. FROM ABOVE CEILING, DOWN IN CHASE TO BELOW SLAB, ELBOW & TRANSITION TO 28" DUCT.
- 3 DASHED LINES INDICATE UNDERFLOOR DUCTWORK, SEE DETAIL IN SPEC.
- 4 SEE PARTIAL MECHANICAL EQUIPMENT PLAN THIS SHEET FOR CONTINUATION.
- 5 DISCHARGE DAMPERS AT OUTLET OF EACH PIECE OF EQUIPMENT.
- 6 TRANSITION FROM EACH UNIT OUTLET (FULL SIZE) TO 28" X 28" DUCT. 28" X 28" DUCT DOWN BELOW SLAB & TRANSITION TO 30" DUCT.
- 7 TRANSITION FROM (7) INLET TO 22" DUCT DOWN BELOW SLAB.
- 8 SAME AS (6) EXCEPT 32" X 32" DUCT TRANSITION TO 34" DUCT.
- 9 TRANSITION FROM (6) INLET TO 28" DUCT DOWN BELOW SLAB.
- 10 DASHED LINES INDICATE DUCTWORK BELOW FINISHED GRADE, SEE DETAIL IN SPEC.
- 11 SAME AS (6) EXCEPT 24" X 24" DUCT TRANSITION TO 26" DUCT.
- 12 TRANSITION FROM (7) INLET TO 28" DUCT DOWN BELOW SLAB.
- 13 TRANSITION FROM (8) INLET TO 20" DUCT DOWN BELOW SLAB.
- 14 26" X 14" WITH 1" A.L. FROM ABOVE CEILING, DOWN IN CHASE TO BELOW SLAB, ELBOW & TRANSITION TO 20" DUCT.
- 15 (7) 12" X 4", 300 CFM.
- 16 (7) 30" X 4", 700 CFM.
- 17 (7) 12" X 4", 75 CFM.
- 18 (7) 30" X 4", 725 CFM.
- 19 (7) 24" X 4", 606 CFM.



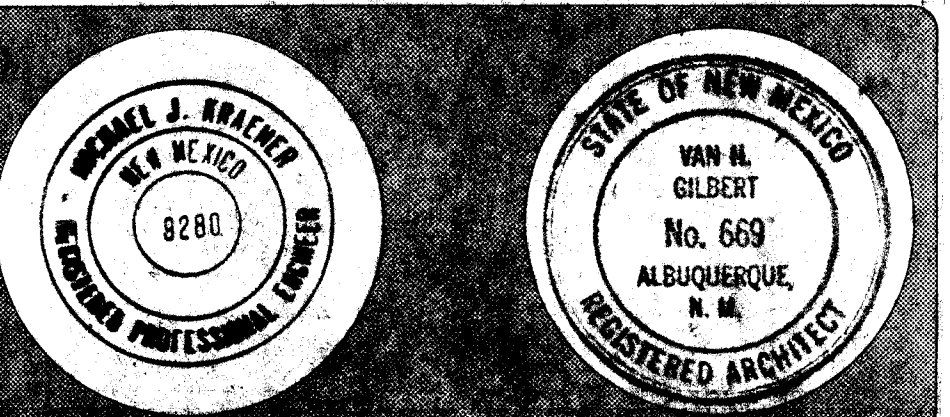
PARTIAL MECHANICAL EQUIPMENT PLAN

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

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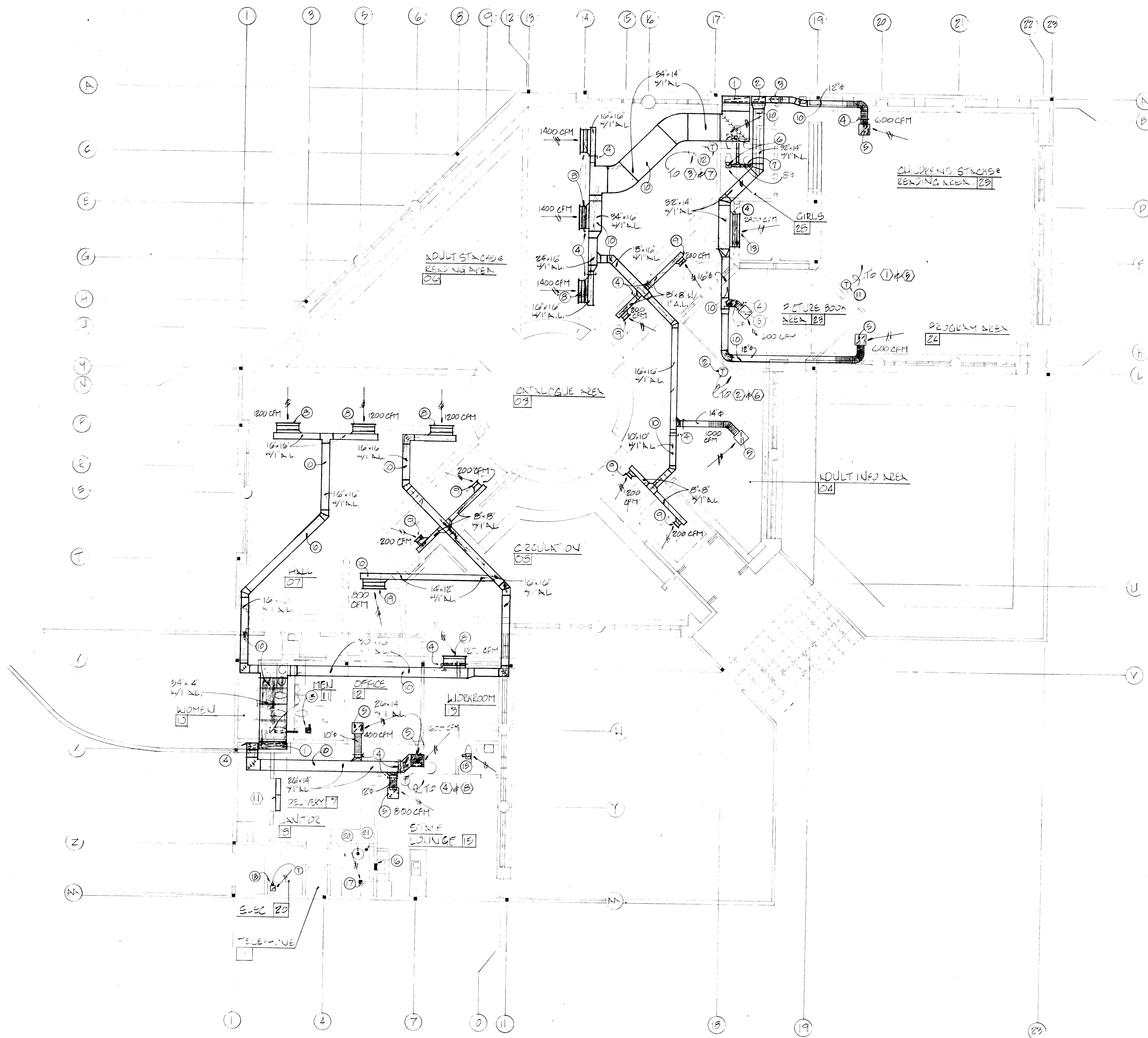


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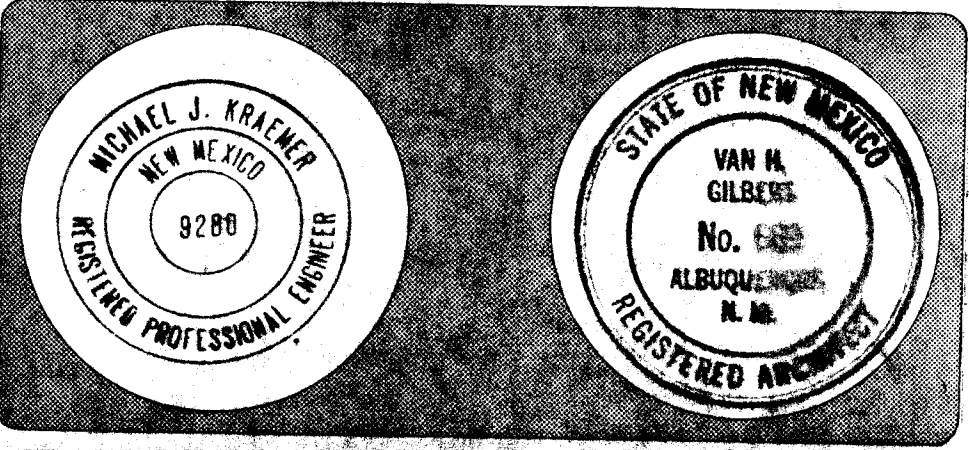
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- SPECIFIC NOTES:**
1. 54" X 14" WITH 1" A.L. DOWN IN CHASE TO BELOW SLAB.
 2. 32" X 14" WITH 1" A.L. DOWN IN CHASE TO BELOW SLAB.
 3. 12" DUCT DOWN IN CHASE & CONNECT TO 32" X 14" DUCT BELOW ELBOW.
 4. VOLUME DAMPER, TYPICAL, SEE SPEC.
 5. 24" X 24" SET FOR CFM NOTED.
 6. EXHAUST FAN (5) 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 T'STAT. WITH CLEAR PLASTIC LOCKING GUARD MOUNTED 5'-6" A.F.F.
 12. (2) STAGE HEATING, & (2) STAGE COOLING T'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 (5) WITH 4" DUCT UP THRU ROOF TO SCREENED ROOFCAP.
 16. 10" X 3" DUCT FROM RANGE HOOD & 10" X 3" 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 TURBINE VENT.
 18. EXHAUST FAN (10) WITH 7" DUCT UP THRU ROOF TO SCREENED ROOFCAP.
 19. SAME AS (8) EXCEPT 36" X 8".
 20. 3" Ø TYPE "B" FLUE UP THRU ROOF TO FLUE CAP WITH 6" Ø LOCAL VENT OPEN INTO MECHANICAL ROOM.
 21. 4" Ø COMBUSTION AIR DUCT DOWN FROM SCREENED ROOFCAP. TERMINATE 12" A.F.F.

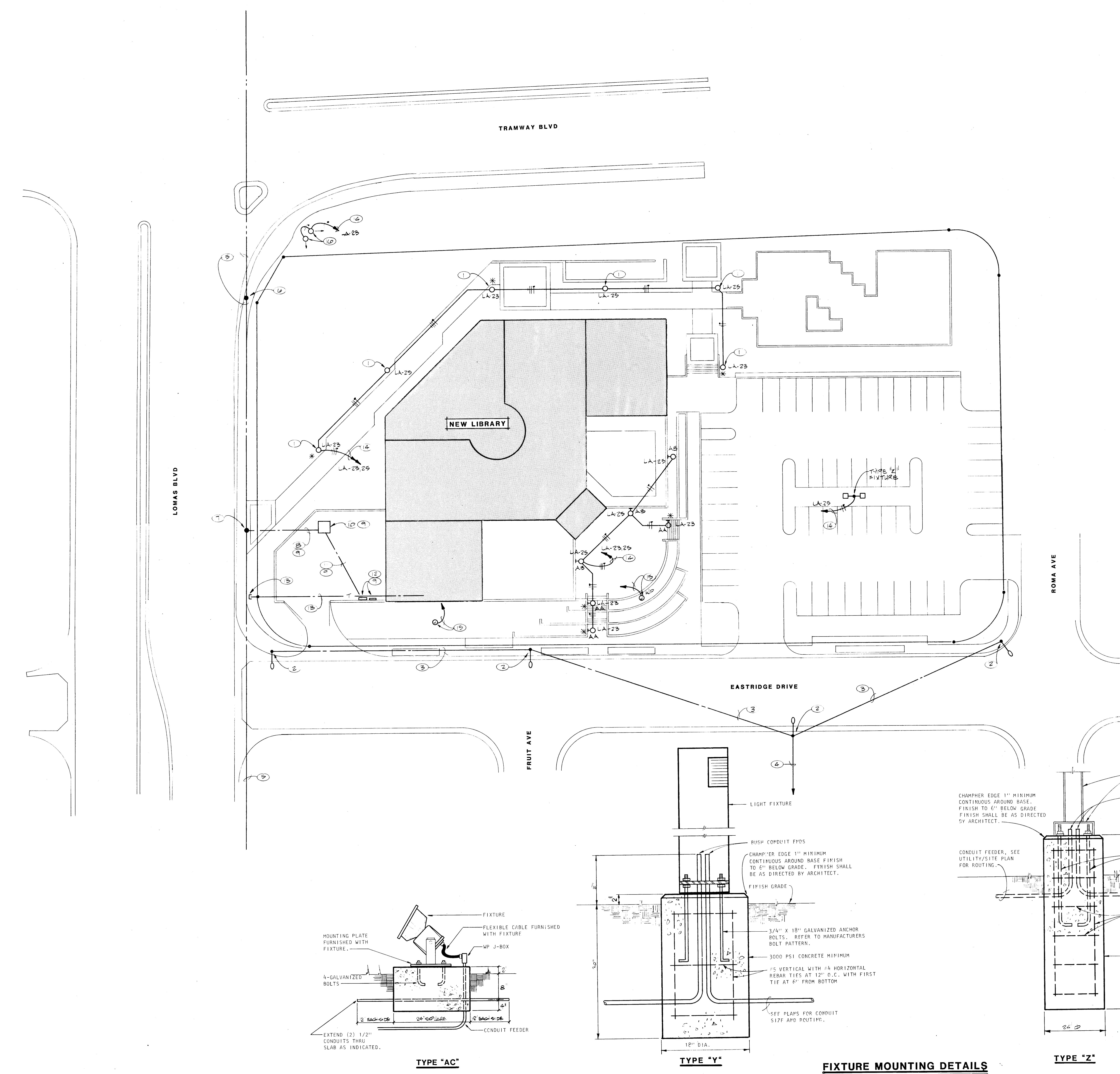
MECHANICAL PLAN - ABOVE FLOOR DUCT WORK
 SCALE: 1/8" = 1'-0"

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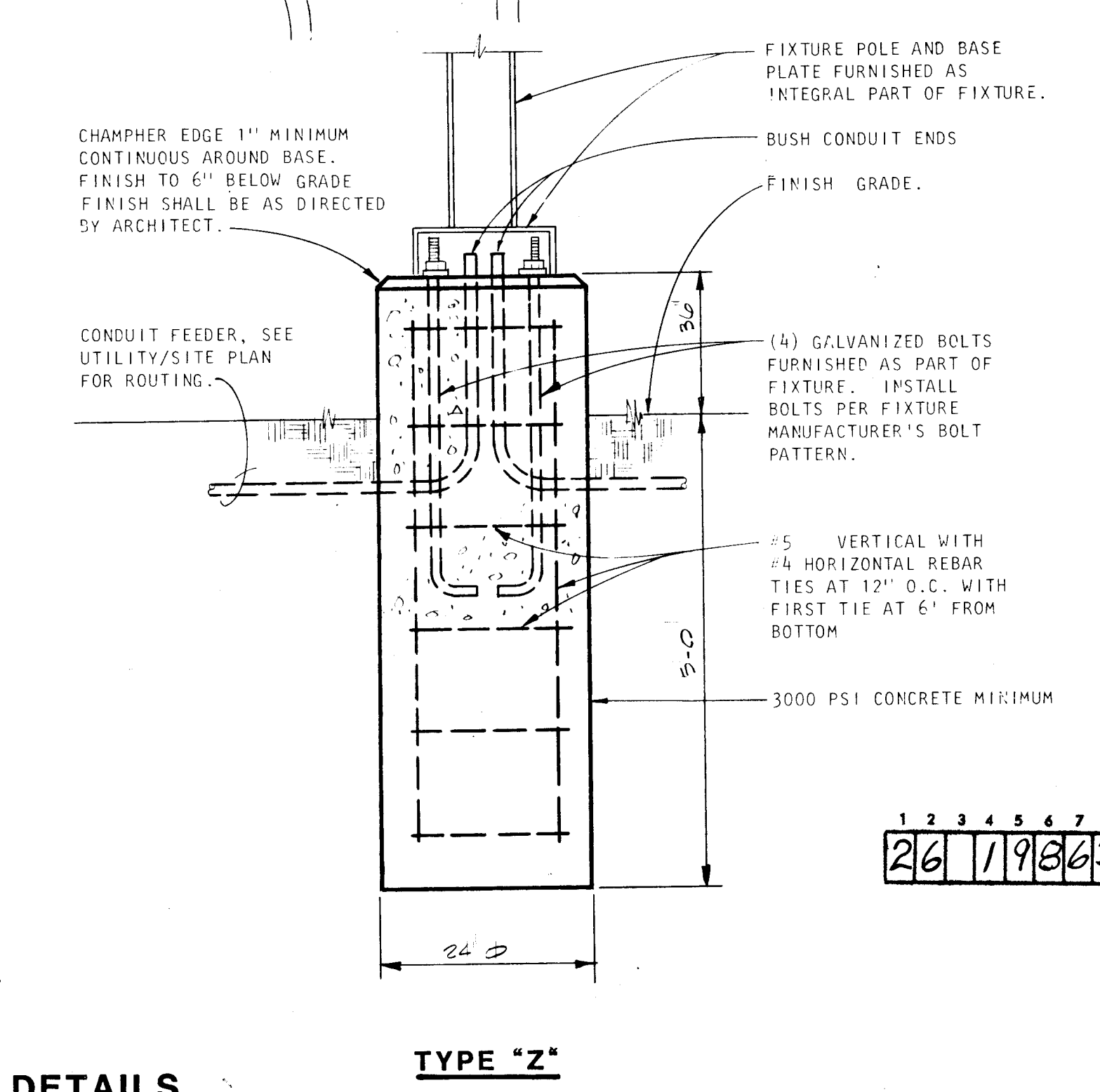
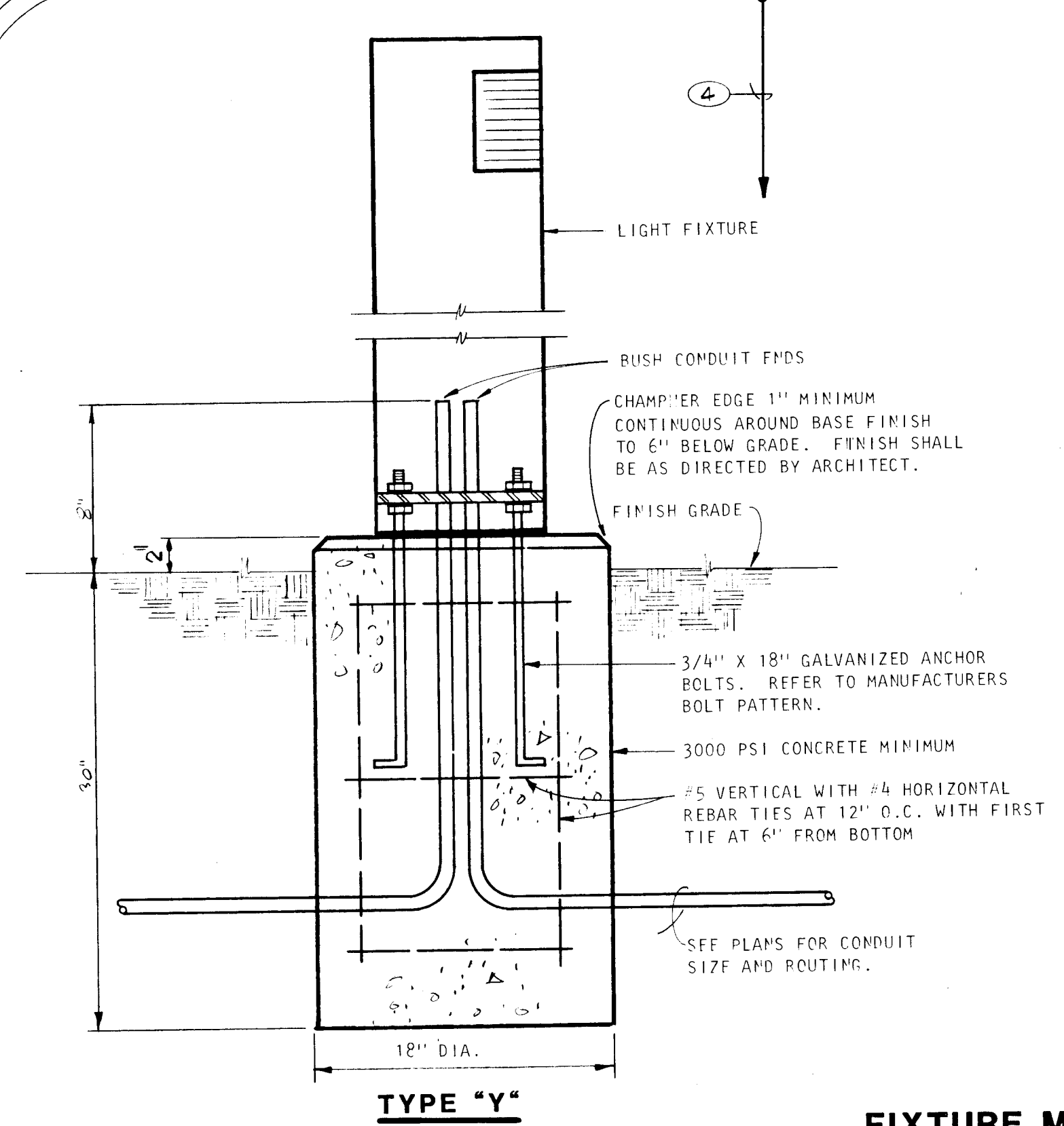
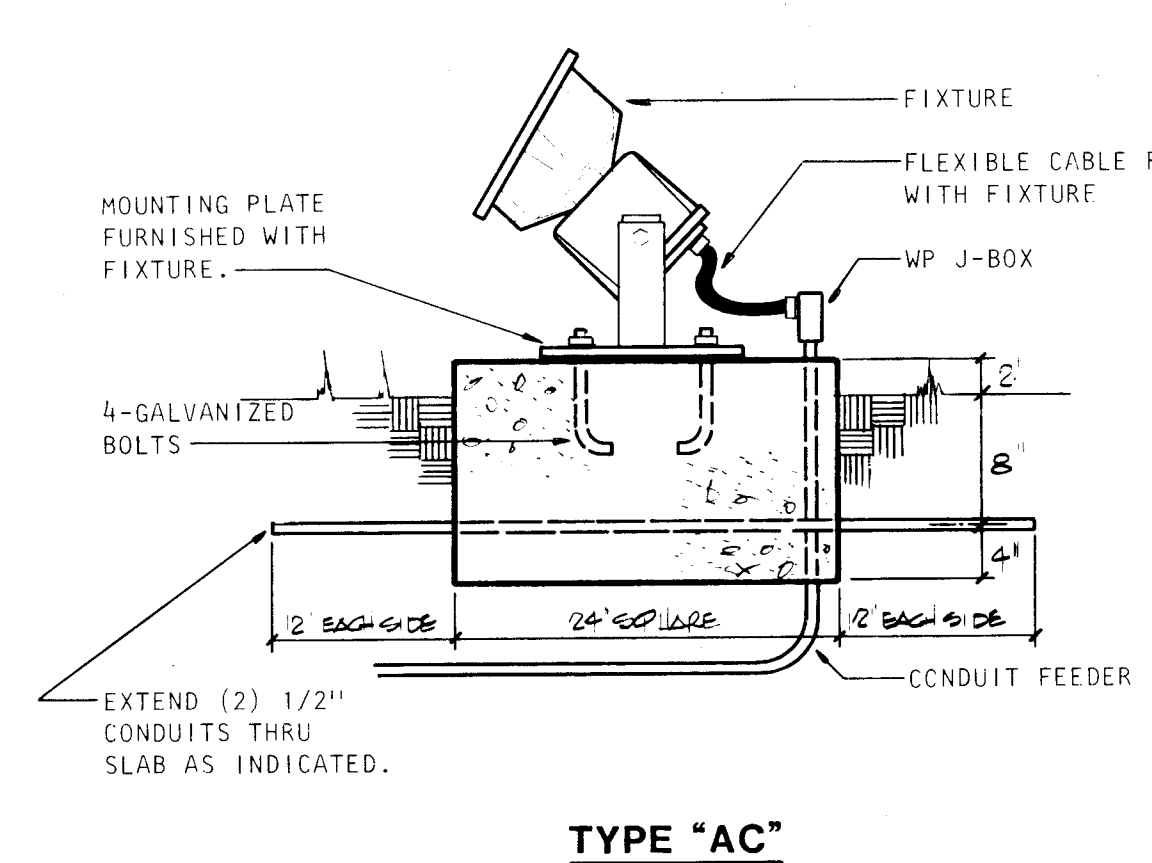


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MECHANICAL PLAN
 1986
 Sheet M5
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- KEYED NOTES**
- 1 TYPE "Y" FIXTURE, SEE MOUNTING DETAIL THIS SHEET.
 - 2 EXISTING STREET LIGHT LUMINAIRES ON WOOD POLES, COORDINATE REMOVAL OF LUMINAIRES WITH PUBLIC 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 "LX".
 - 16 INSTALL TYPE "AC" FIXTURE AT LOCATION(S) INDICATED IN DETAIL 8/SHEET C1. AIM FIXTURES AS DIRECTED BY ENGINEER.



FIXTURE MOUNTING DETAILS

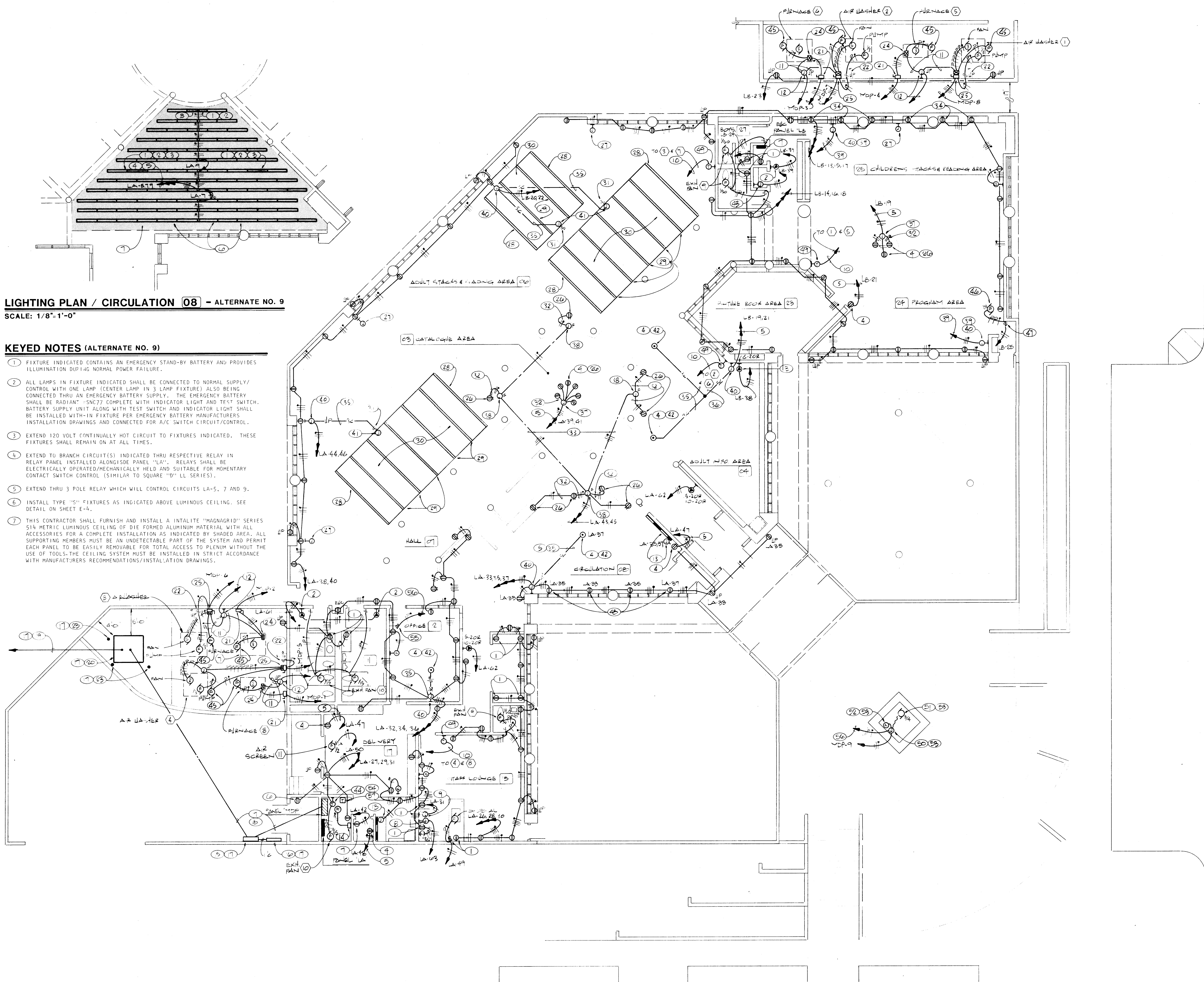
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LIGHTING PLAN / CIRCULATION [08] - ALTERNATE NO. 9
SCALE: 1/8"=1'-0"

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 "INDIAN" (MCP) 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 "LM". 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 "SI" FIXTURES AS INDICATED ABOVE LUMINOUS CEILING. SEE DETAIL ON SHEET E-4.
- 7. THIS CONTRACTOR SHALL FURNISH AND INSTALL A INTALITE "HIGHERGRID" SERIES 514 METRIC LUMINOUS CEILING OF DIE 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)

- 49. CONTROL DEVICES FOR RESPECTIVE HVAC 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.
- 50. SUBMERSIBLE JUNCTION BOX FURNISHED AS PART OF FOUNTAIN EQUIPMENT.
- 51. SUBMERSIBLE PUMP FURNISHED AS PART OF FOUNTAIN EQUIPMENT.
- 52. WATER LEVEL CONTROL AND LOW WATER CUT-OFF DEVICE FURNISHED AS PART OF FOUNTAIN EQUIPMENT.
- 53. FOUNTAIN EQUIPMENT IS SPECIFIED AND DETAILED ON SHEET C1. THIS CONTRACTOR SHALL FURNISH AND INSTALL THE FOUNTAIN EQUIPMENT AS MANUFACTURED BY STM 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.
- 54. FURNISH AND INSTALL A BUCK AND BOOST TRANSFORMER FOR A 4KVA LOAD AT 208 TO 230 VOLT, 1Ø LOAD. EXTEND POWER WIRING FOR FOUNTAIN THRU TRANSFORMER. INSTALL A 2P/ST DISCONNECT SWITCH ON LOAD SIDE OF TRANSFORMER.
- 55. INSTALL ON/OFF SWITCH FOR CONTROL OF FOUNTAIN PUMP AND LABEL SWITCH "FOUNTAIN".
- 56. EXTEND TO MOTOR CONTROLLER IN ELECTRICAL ROOM [20].
- 57. INSTALL NEMA SIZE 0, 230 VOLT, 1Ø MOTOR CONTROLLER FOR FOUNTAIN PUMP. EXTEND FOUNTAIN PUMP CIRCUIT THRU CONTROLLER AND A 3Ø AMP GROUND FAULT INTERRUPTER PROTECTION.

KEYED NOTES

- 1. INSTALL DEVICE INDICATED 6" ABOVE COUNTERTOP BACKSPLASH WITH MAJOR AXIS HORIZONTAL.
- 2. DEVICE INDICATED IS A COMBINATION NEMA 5-2ØR AND 1Ø-2ØR CONFIGURATION.
- 3. TYPE OF DEVICE IS INDICATED FOR BIDDING 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. 10A700.
- 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 1" WALL, AND EXTEND BRANCH FEEDER TO FLOORSLOD ON TOP OF BACKSPLASH PER DETAIL ON SHEET E-5.
- 14. FURNISH AND INSTALL A 1Ø/2Ø-POLE 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 3Ø AMP, 250 VOLT, 3 POLE + S.N., NEMA 3R NON-FUSIBLE DISCONNECT SWITCH.
- 22. SWITCH INDICATED IS FOR PUMP MOTOR PROTECTION AND DISCONNECTING MEANS.
- 23. STEEL/CONCRETE POSTS AS REQUIRED BY PAD MOUNT TRANSFORMER PM 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, 3Ø 1" NEMA 3R ENCLOSURE. FURNISH DISCONNECT SWITCH WITH AN INTERLOCK AND EXTEND PUMP UNGROUNDED CONDUCTOR THRU INTER-LOCK.
- 26. INSTALL DEVICES IN ARCHITECTURAL CASEWORK AS DETAILED FOR RESPECTIVE CASEWORK.
- 27. JUNCTION BOX FOR SPECIAL SYSTEMS UNDERCARPET 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 PERLESS. 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 UNDERCARPET FLAT CABLE, SEE SPECIFICATIONS.
- 36. INSTALL 5/CONDUCTOR UNDERCARPET FLAT CABLE, SEE SPECIFICATIONS.
- 37. INSTALL JUNCTION BOX IN LOWER PORTION OF KIOSK AT ACCESS DOOR AND INSIDE KIOSK, 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 UNDERCARPET POWER DISTRIBUTION SYSTEM.
- 41. FURNISH AN AMP #553094, 3 CONDUCTOR FLUSH MOUNTED JUNCTION BOX AND INSTALL IN CASEWORK AS REQUIRED BY MANUFACTURER FOR UNDERCARPET 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 "P" 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 5Ø 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.

POWER PLAN

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

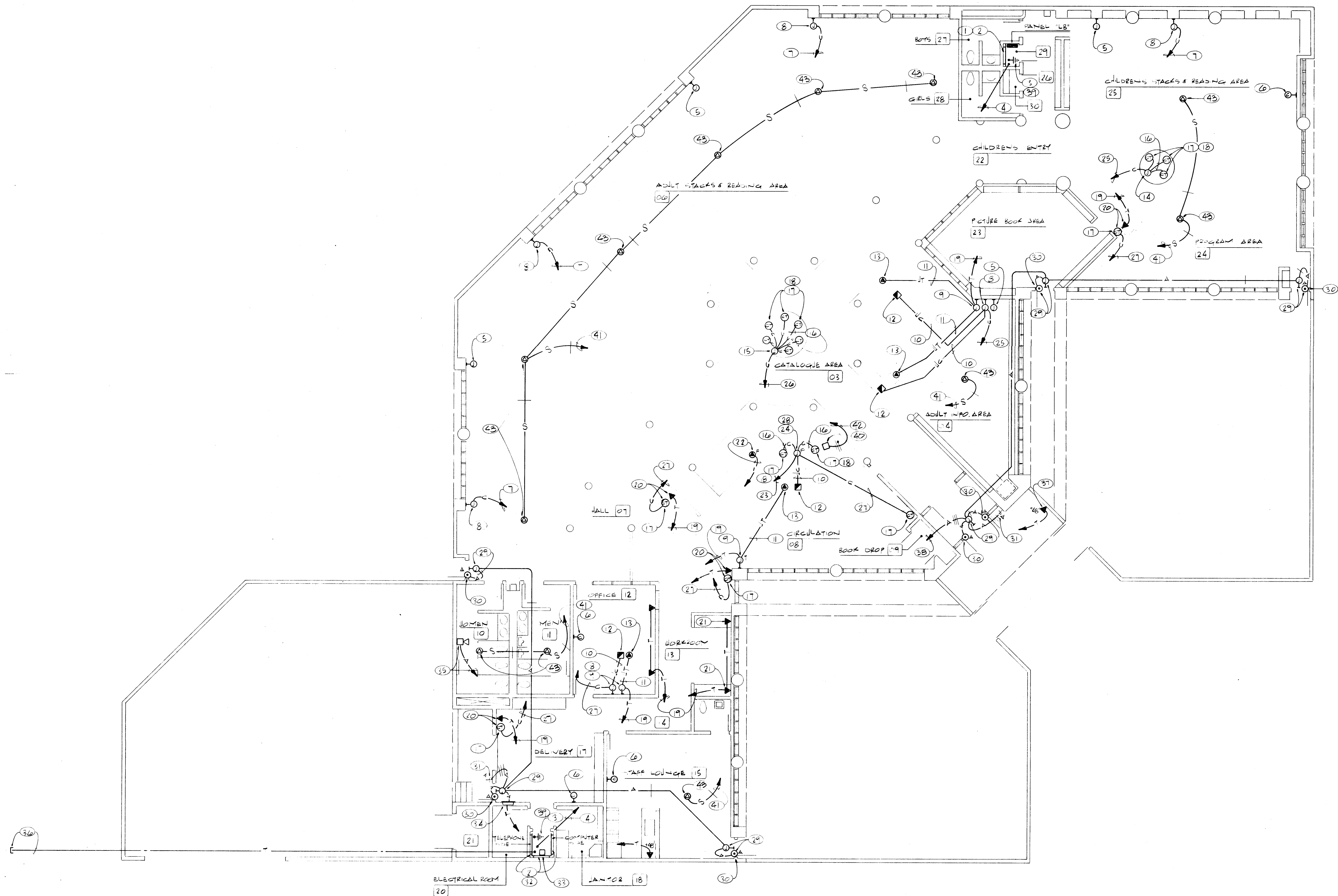
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Sheet **E3**
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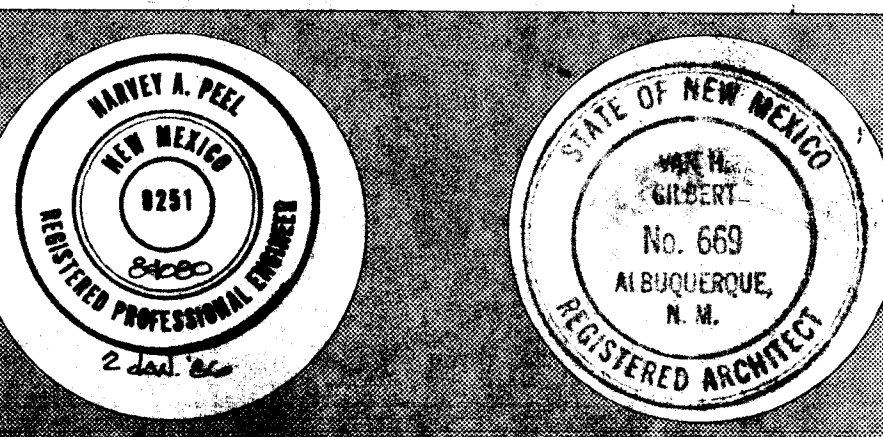
NOTE: THE DOOR ALARM SYSTEM SHALL BE FURNISHED AND INSTALLED AS A COMPLETE AND OPERABLE SYSTEM. THE MAJOR COMPONENTS HAVE BEEN SPECIFIED; HOWEVER, THESE ITEMS DO NOT NECESSARILY CONSTITUTE ALL COMPONENTS FOR A WORKABLE SYSTEM. INSTALL SHIELDED CABLE IN CONDUITS SYSTEM AS REQUIRED.

KEYED NOTES

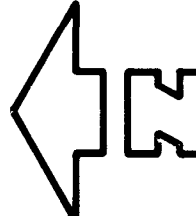
- FURNISH A 3/4" PLYWOOD BACKBOARD AND INSTALL WALL TO WALL AS SHOWN AND 8" HIGH.
- PAINT PLYWOOD WITH 2 COATS OF FIRE RETARDANT PAINT.
- INSTALL #6 BARE SOFT COPPER GROUND CONTINUOUS AT BOTTOM OF BACKBOARD.
- EXTEND 2" CONDUIT TO MAIN TELEPHONE BACKBOARD.
- FLUSH MOUNTED JUNCTION BOX FOR UNDERCARPET POWER SYSTEM, SEE SHEET E3 FOR DETAILS.
- INSTALL CLOCK FLUSH MOUNTED AT HEIGHT AS INDICATED BY ARCHITECT IN FIELD.
- EXTEND 12" CONDUIT WITH PULL WIRE TO COMPUTER BACKBOARD.
- 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.
- 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.
- INSTALL FLAT WIRE DATA SYSTEM CABLE BETWEEN J-BOX AND DEVICE. CABLE SHALL BE 25 CONDUCTOR.
- INSTALL FLAT WIRE TELEPHONE SYSTEM BETWEEN J-BOX AND DEVICE. CABLE SHALL BE 25 CONDUCTOR.
- INSTALL AN UNDERCARPET FLAT WIRE SYSTEM DATA OUTLET. DEVICE SHALL BE LOW PROFILE TYPE AS CALLED FOR IN SPECIFICATIONS.
- INSTALL AN UNDERCARPET FLAT WIRE SYSTEM TELEPHONE OUTLET. DEVICE SHALL BE LOW PROFILE TYPE AS CALLED FOR IN SPECIFICATIONS.
- FURNISH A 6" SQUARE JUNCTION BOX AND INSTALL AT READILY ACCESSIBLE LOCATION IN BOTTOM OF CASEWORK AT ACCESS DOOR.
- FURNISH A 12" SQUARE JUNCTION BOX AND INSTALL AT READILY ACCESSIBLE LOCATION IN BOTTOM OF CASEWORK AT ACCESS DOOR.
- HARDWARE 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/RETEL TYPE 9543 (9532 CABLE). CONDUIT SHALL BE 3/4" TRADE SIZE.
- 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.
- INSTALL DEVICES IN CASEWORK AS DIRECTED BY ARCHITECTURAL DETAILS ANY/OR AS DIRECTED IN FIELD.
- EXTEND 1" CONDUIT WITH PULL WIRE TO TELEPHONE BACKBOARD.
- INSTALL DEVICES INDICATED UP 32" ABOVE FINISH FLOOR.
- INSTALL DEVICE INDICATED 6" ABOVE COUNTERTOP BACKSPLASH WITH MAJOR AXIS HORIZONTAL.
- INSTALL 6" SQUARE JUNCTION BOX IN COUNTER CASEWORK AND EXTEND 2" CONDUIT TO TELEPHONE BACKBOARD.
- EXTEND 2" CONDUIT TO COMPUTER SYSTEM BACKBOARD.
- FURNISH A 12"W X 24"L 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 SHELVE OF CASEWORK.
- EXTEND 3-25 CONDUCTOR OVERALL SHIELDED CABLES IN 1" CONDUIT TO JUNCTION BOX CALLED FOR IN NOTE (25). CABLE SHALL BE BELDEN TYPE 9543.
- EXTEND 6-25 CONDUCTOR OVERALL SHIELDED CABLES IN 2" CONDUIT TO JUNCTION BOX CALLED FOR IN NOTE (25). CABLE SHALL BE BELDEN TYPE 9543.
- EXTEND 1-25 CONDUCTOR OVERALL SHIELDED CABLES IN 1" CONDUIT TO JUNCTION BOX CALLED FOR IN NOTE (25). CABLE SHALL BE BELDEN TYPE 9543.
- PROVIDE A 25 PIN CONNECTOR AT EACH DATA SYSTEM CABLE IN JUNCTION BOX. CONNECTORS SHALL BE MALE OR FEMALE AS REQUIRED BY DATA EQUIPMENT.
- 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.
- 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.
- 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 #5747/230/9789 WITH TAMPER SWITCH.
- INSTALL 8" HIGH BY 3/4" PLYWOOD BACKBOARD CONTINUOUS ON 3 WALLS OF ROOM.
- FURNISH AND INSTALL AN ADEMCO #612 TELEPHONE DIALER FOR THE DOOR ALARM SYSTEM.
- FURNISH A FLUSH MOUNTED MASTER DOOR ALARM SYSTEM CABINET SIMILAR TO ADEMCO #1023-12.
- FURNISH AN ADEMCO #706-12 M191-HOWLER ALARM DEVICE 1P WEATHERPROOF ENCLOSURE AND INSTALL ON BACK OF PARAPET ABOVE ROOF. CONNECT TO MASTER ALARM CABINET.
- EXTEND 3" CONDUIT UNDERGROUND FROM TELEPHONE SYSTEM BACKBOARD TO PROPERTY LINE AT LOCATION AS DIRECTED BY MOUNTAIN BELL AND CAP BELOW GRADE.
- INSTALL DEVICE AS REQUIRED FOR INSTALLATION OF PAY TELEPHONE.
- EXTEND ALARM TO MASTER PANEL AT RECEIVING.
- CONNECT GROUND TO BUILDING SYSTEM EQUIPMENT GROUND AT PANEL "HOP".
- FURNISH A RAILROAD #PR510 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.
- EXTEND A SINGLE PAIR SHIELDED SPEAKER CABLE IN 1/2" CONDUIT TO AMPLIFIER CALLED FOR IN NOTE (40). EXTEND THROUGHOUT TO ALL SPEAKERS.
- CONNECT TO NEAREST 120 VOLT CONTINUALLY HOT CIRCUIT.
- FURNISH A RECESSED CEILING MOUNTED SPEAKER ASSEMBLY: SOUNDOLIER #T730-88 WITH #E49 MOUNTING BOX (#PR412 PLASTER RING WHERE REQUIRED) AND SOUNDOLIER #C803-182 SPEAKER. INSTALL ASSEMBLY AT LOCATION(S) AS DIRECTED ON REFLECTED CEILING PLAN AND/OR AS DIRECTED IN FIELD BY ARCHITECT.

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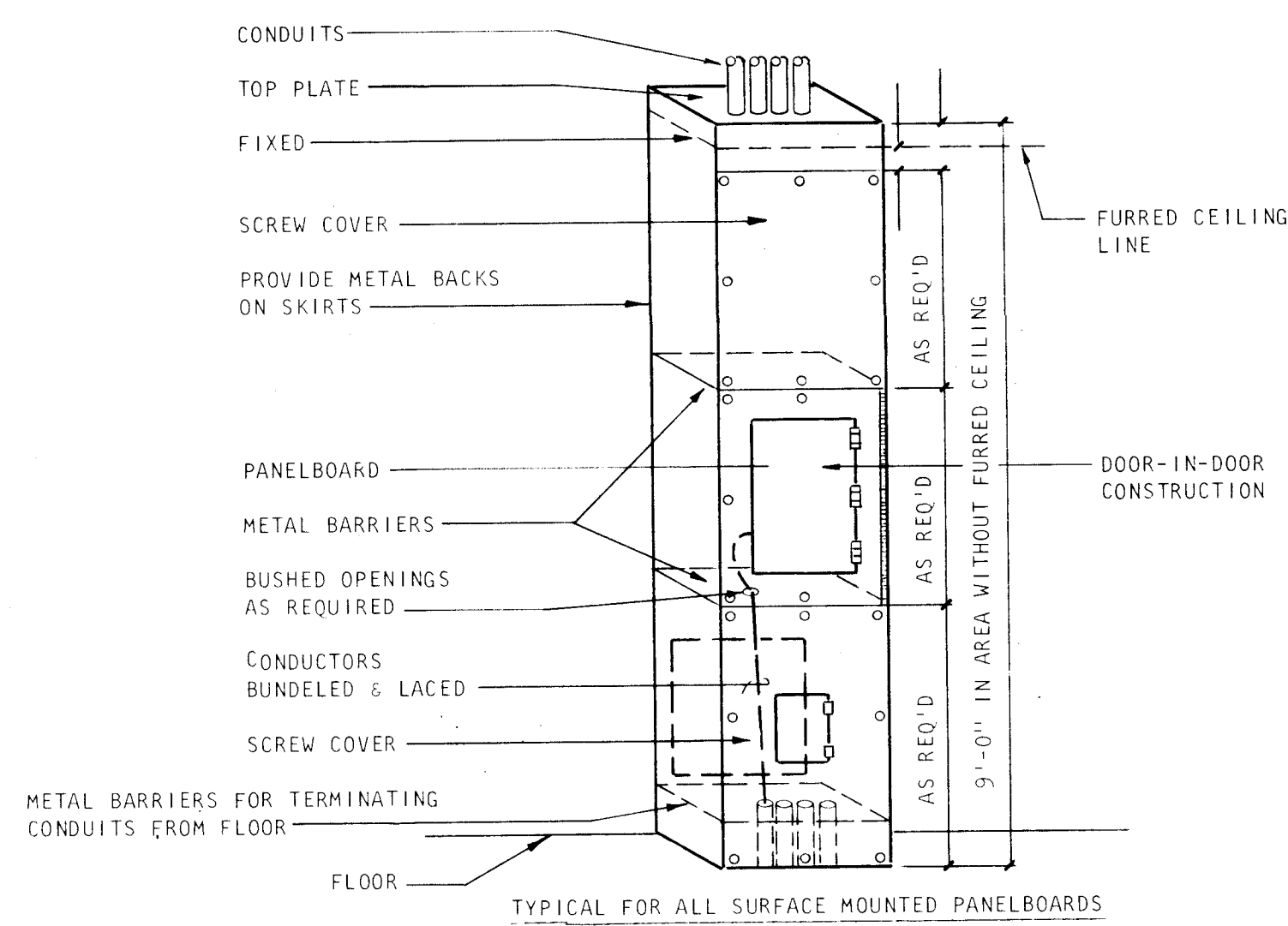
SPECIAL SYSTEMS PLAN

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

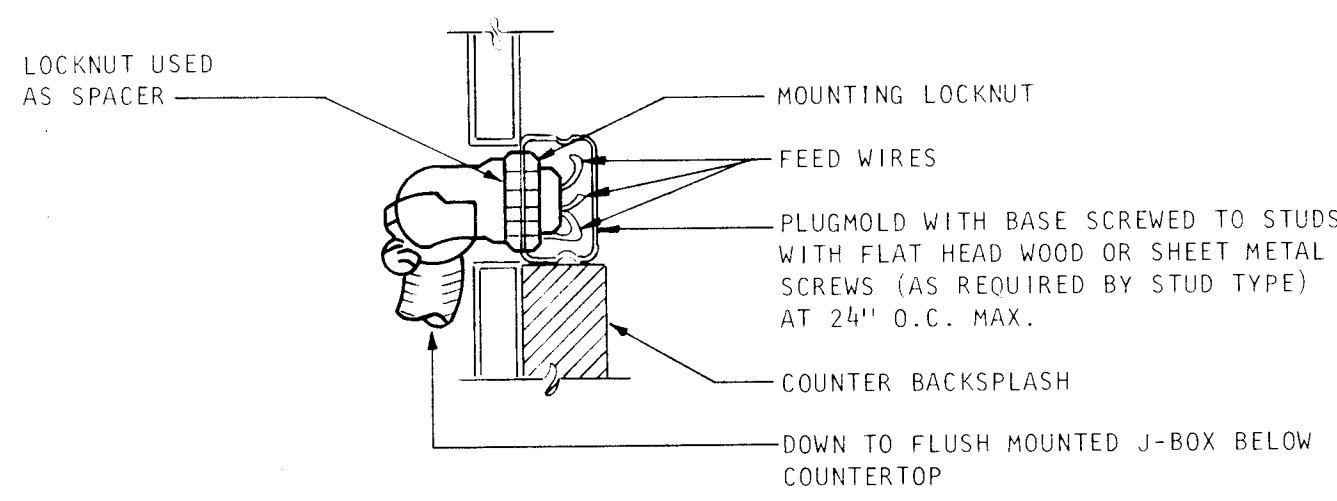
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SPECIAL SYSTEMS PLAN Sheet E4 of 24

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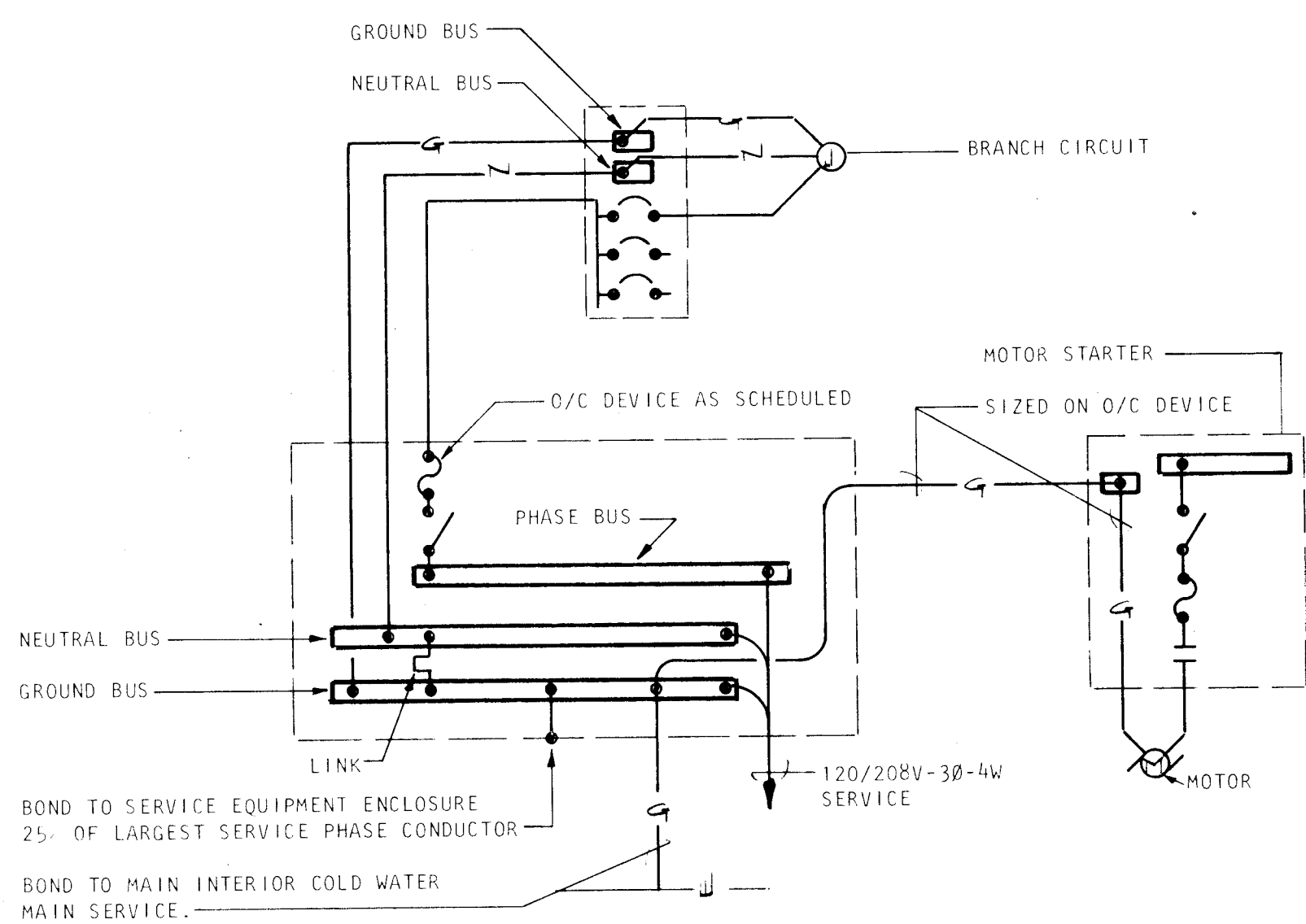


TYPICAL SKIRTED PANEL DETAIL
NO SCALE

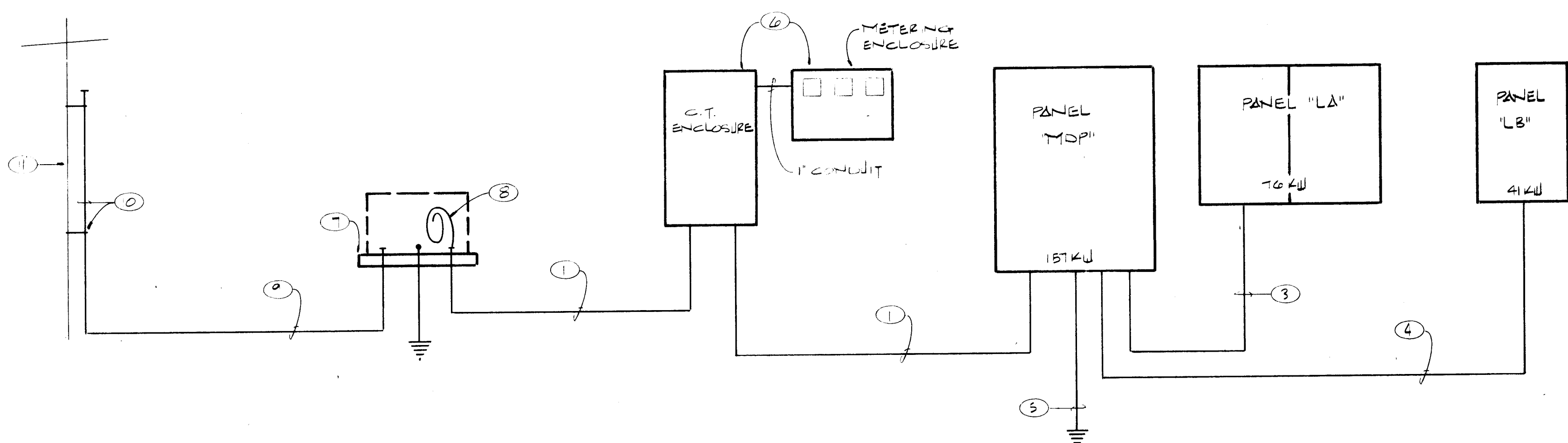


WIRE/PLUGMOLD INSTALLATION
NO SCALE

NOTE: PLUGMOLD BASE AND COVER SHALL BE PAINTED IN COLOR AS SELECTED BY ARCHITECT PRIOR TO INSTALLATION.



TYPICAL GROUNDING DETAIL
NO SCALE



POWER RISER DIAGRAM

- 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 208V/120 VOLT, 3Ø, 4 WIRE SECONDARY SERVICE.
 3. INSTALL GROUND IN STRICT ACCORDANCE WITH NATIONAL ELECTRICAL CODE ARTICLE 250 AND SPECIFICATIONS SECTION 16450.
 4. ALL CONDUCTORS ARE COPPER NO EXCEPTIONS.

PANEL SCHEDULES				
PANEL 'MDP' - 120/208 VOLT, 3Ø, 4 WIRE, 400 AMP MAIN SWITCH, FUSIBLE, SURFACE MOUNTED, BOTTOM FEED, FULLY LISTED FOR SERVICE ENTRANCE.				
CIRCUIT NO.	SWITCH SIZE	FUSE SIZE	WIRE SIZE	LOAD
1,5	30A/3P	8 AMP	#12	HVAC (8) & (4)
2,3,4,8	30A/3P	12 AMP	#12	HVAC (7) & (6) & (5) & (1)
6,7,9	30A/3P	20 AMP	#12	HVAC (3) & (2) FIRE ALARM MASTER
10	30A/3P	20 AMP	#12	FOUNTAIN (CONNECT TO BB AND BC)
11	200A/3P	200 AMP	#4/0	PANEL "LA"
12	200A/3P	150 AMP	#2/0	PANEL "LB"
13	200A/3P	---	---	SPACE
NOTE: ALL FUSES SHALL BE BUSS "LO-PEAK" CLASS "R"				
PANELS - 120/208 VOLT, 3Ø, 4 WIRE, 225 AMP MLD, SURFACE MOUNTED, BOTTOM FEED, FULLY SKIRTED, DOOR-IN-DOOR, 10000 AIC BREAKERS.				
CIRCUIT NO.	WIRE SIZE	CCT. BKR.	LOAD	
PANEL "LA" - 2 SECTION				
1 THRU 50	#12	20A/1P	LIGHTING & (P)'S & MISC.	
51 THRU 60	---	20A/1P	SPARES	
61, 62	#12	20A/2P	CLEANING OUTLETS	
63	#6	50A/2P	COOK TOP	
64 THRU 69	---	1 POLE	SPACE	
PANEL "LB"				
1 THRU 25	#12	20A/1P	LIGHTING & (P)'S	
26 THRU 36	---	20A/1P	SPARES	
37,38	#12	20A/2P	CLEANING OUTLETS	
39	#8	40A/2P	WATER HEATER	

FIXTURE SCHEDULE NOTES

1. ALL METAL HALIDE AND HIGH PRESSURE SODIUM LAMPS SHALL BE PHOSPHOR COATED.
2. FURNISH 2 EXTRA CARTONS *F 3 K LAMPS/FNO.
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 *NCS. SUBMITTAL FROM MANUFACTURERS STANDARD COLORS.

LIGHT FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMPS	MOUNTING
A	PRESCOLITE #1061M3-175MH-836/MH	1/175W/MH 1/150W/QUARTZ	RECESSED
B	PRESCOLITE #1062M11-400M-847/MH	1/400W/MH 1/400W/PHOSPHOR	RECESSED
C	COLUMBIA #P2-2436-4236	3/F35/3"K	RECESSED
D	COLUMBIA #45466-43-446	6/F35/3"K	RECESSED
E	PRESCOLITE #1218-451MH-839/TP	1-150W/R40	RECESSED
F	PRESCOLITE #9A27	1/200W/FC619	WALL, UP 6'-6"
G	KENALL #3714	2/7W-PL	WALL ABOVE DOOR
H	COLUMBIA #P2-1420-4218	2/F35/3"K	RECESSED
K	ALICO #2050-3-EE-WW	1/F35/3"K	RECESSED
L	PRESCOLITE #1054-724/TP	1/150W/1F	RECESSED
M	BENJAMIN #C2224-4	2/F35/3"K	SURFACE
N	PRESCOLITE #9153-50HPSFE-N8	1/50W/HPS	RECESSED
P	2 LAMP/48" UTILITY STRIP	2/F35/3"K	COVE, SEE DETAILS
R	ALICO #215-RSW	1/18/3"K	UNDER UPPER CABINET
S	1 LAMP/48" UTILITY STRIP	1/F35/3"K	SURFACE AS NOTED
T	INFRANOR #535-N/CB/10/N/N/105X120/175/M/120/E	1/175W/MH	COVE, SEE DETAIL
U	ALICO #209BLK/NO OUTLET OR CORD	1/T5-BW	UNDER UPPER CABINET
V	PEARLESS #30-LL20-15/SPECIAL STACK SYSTEM COLOR AS SELECTED BY ARCHITECT	3/F35/3"K 1/F25/3"K	STACKLIGHTING
W	PEARLESS #30-LL10-15/SPECIAL STACK SYSTEM COLOR AS SELECTED BY ARCHITECT	3/F35/3"K 1/F25/3"K	STACKLIGHTING
Y	URBAN SYSTEMS #RLB120/COLOR AS SELECTED BY ARCHITECT	1/100W/HPS	BOLLARD, SEE DETAIL SHEET E1
Z	STERNER #FK25-A2P3G40S120E/STA18-D-E-N	1/400W/HPS	POLE, SEE DETAIL SHEET E1
AA	MOLDCAST #MDL-4-02-35-12	1/35W/HPS	RECESSED IN WALL AS NOTED
AB	MOLDCAST #MDL-2-02-35-12	1/35W/HPS	RECESSED IN WALL AS NOTED
AC	INFRANOR #535-N-GA-10-3S-P-G-12X100-175-H-120-E	1/175W/MH PHOSPHOR	GROUND, SEE DETAIL SHEET E-1
⊗	DEVINE #DVGCR0/SG/FS/AS	2/20W/T5 2/140CP/T3	CEILING
⊗	DEVINE #DVGCR0/SG/FS/AS	2/20W/T5 2/50CP/T3	WALL RECESSED

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	CEILING OUTLET AND FIXTURE.
	BRACKET OUTLET AND FIXTURE.
	CEILING MOUNTED EXIT FIXTURE AND OUTLET WITH DIRECTIONAL ARROWS AS INDICATED.
	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.
	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 #5-6250 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 AMPEREAGE.
	SPECIAL PURPOSE DEVICE, FLUSH MOUNTED AT 16" ABOVE FINISH FLOOR UNLESS OTHERWISE INDICATED. NUMBER AT DEVICE IS NEMA CONFIGURATION, SUPPLY WITH MATCHING CAP.
	WEATHERPROOF DUPLEX CONVENIENCE OUTLET, UP 16" OR AS INDICATED.
	FLUSH FLOOR TELEPHONE OUTLET, LOW #500-T.
	SPEAKER OUTLET 1" 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.
	WIREFOLD #2100 PLUGMOLD WITH #2127-D RECEPTACLES AT 18" O.C. AND WIRED FOR 2 CIRCUITS WITH ALTERNATE RECEPTACLES ON ALTERNATE CIRCUITS. FEED WIREFOLD FROM #2214C WALL BOX CONNECTOR. ALL WIREFOLD (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.
	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 1/2 HP). PROVIDE THERMAL O.L. SWITCH ADJACENT TO ALL MOTORS UNLESS SWITCH IS SHOWN ELSEWHERE ON PLAN.
	JUNCTION BOX INSTALLED ABOVE THE CEILING WITH FLEXIBLE CONDUIT CONNECTION TO LAY-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 TAPE.
	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.

KEYED NOTES

1. 4-500 MCM-THW IN 3" CONDUIT.
2. 4-500 MCM-THW AND 1-3/0 GROUND IN 4" CONDUIT.
3. 4-4/0 THW AND 1-2 GROUND IN 2" CONDUIT.
4. 4-2/0 THW AND 1-2 GROUND IN 2" CONDUIT.
5. 1-3/0 GROUND IN 1" CONDUIT.
6. FURNISH AND INSTALL C.T. AND METERING ENCLOSURES PER THE REQUIREMENTS OF PUBLIC SERVICE CO. OF NEW MEXICO DRAWINGS NO. DS-19-82.0 AND DS-19-23.0 RESPECTIVELY.
7. INSTALL CONCRETE PAD FOR UTILITY TRANSFORMER PER THE REQUIREMENTS OF PUBLIC SERVICE CO. DRAWING NO. DS-7-16-A.
8. COIL 10' OF EXCESS CONDUCTORS AT PAD FOR CONNECTION BY PUBLIC SERVICE CO. OF NEW MEXICO PERSONNEL.
9. EXTEND 4" CONDUIT UNDERGROUND FROM PAD MOUNT TRANSFORMER TO OVERHEAD PRIMARY POLE PER PUBLIC SERVICE CO. OF NEW MEXICO DRAWING NO. DS-7-15-C.
10. TERMINATE CONDUIT AT NEW STEEL RISER POLE PER THE REQUIREMENTS OF PUBLIC SERVICE CO. OF NEW MEXICO.
11. NEW STEEL POLE IN-LINE ON EXISTING OVERHEAD PRIMARY SYSTEM BY PUBLIC SERVICE CO. OF NEW MEXICO.

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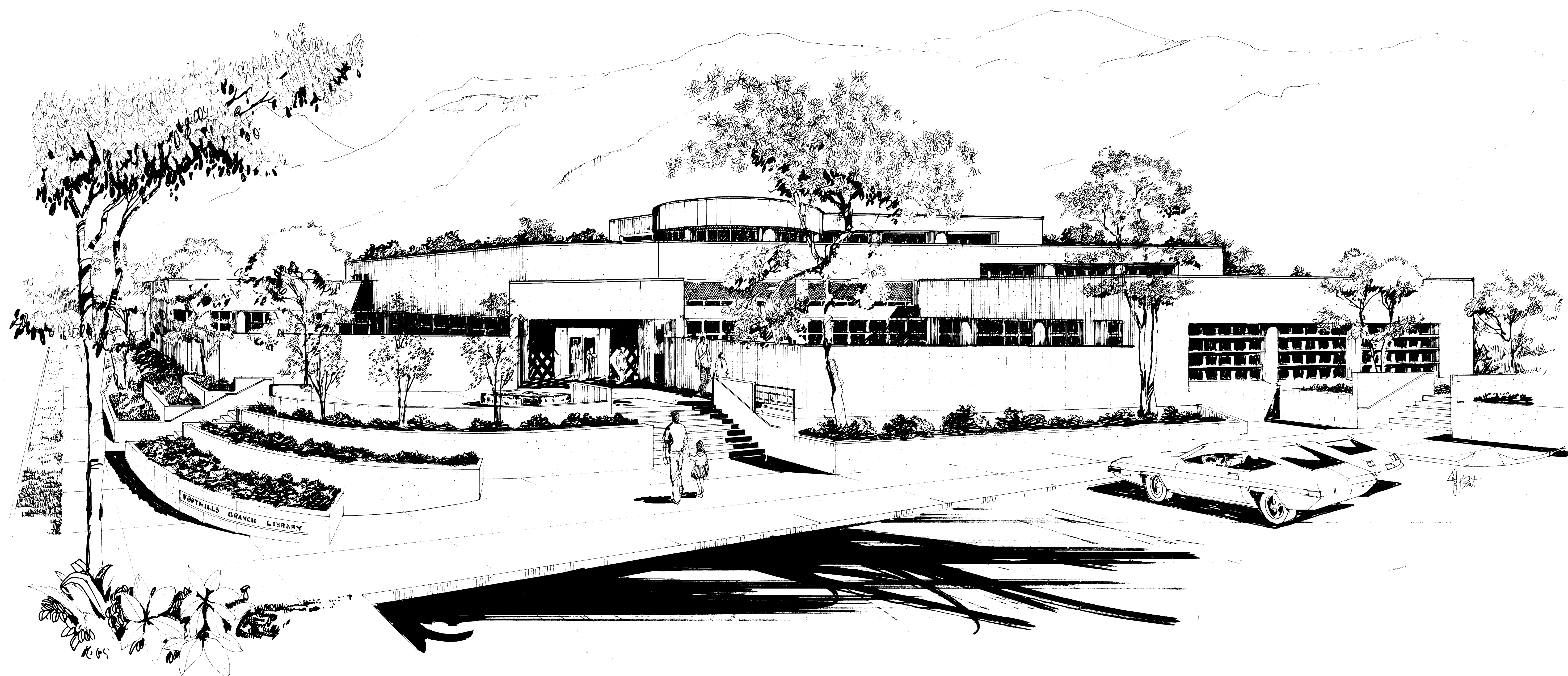
Architect
310 Central Ave. N.E. Albuquerque, N.M. 87102-1609/247-1995

Planning

STATE OF NEW MEXICO
JAN 11 1991
VAN H. GILBERT
No. 0073
ALBUQUERQUE
REGISTERED ARCHITECT

Date: 1/11/91 Drawn By: E5
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VAN H GILBERT ARCHITECT

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C. H. O'Keefe 4/86
APPROVED CITY ENGINEER

Project # 1986

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