



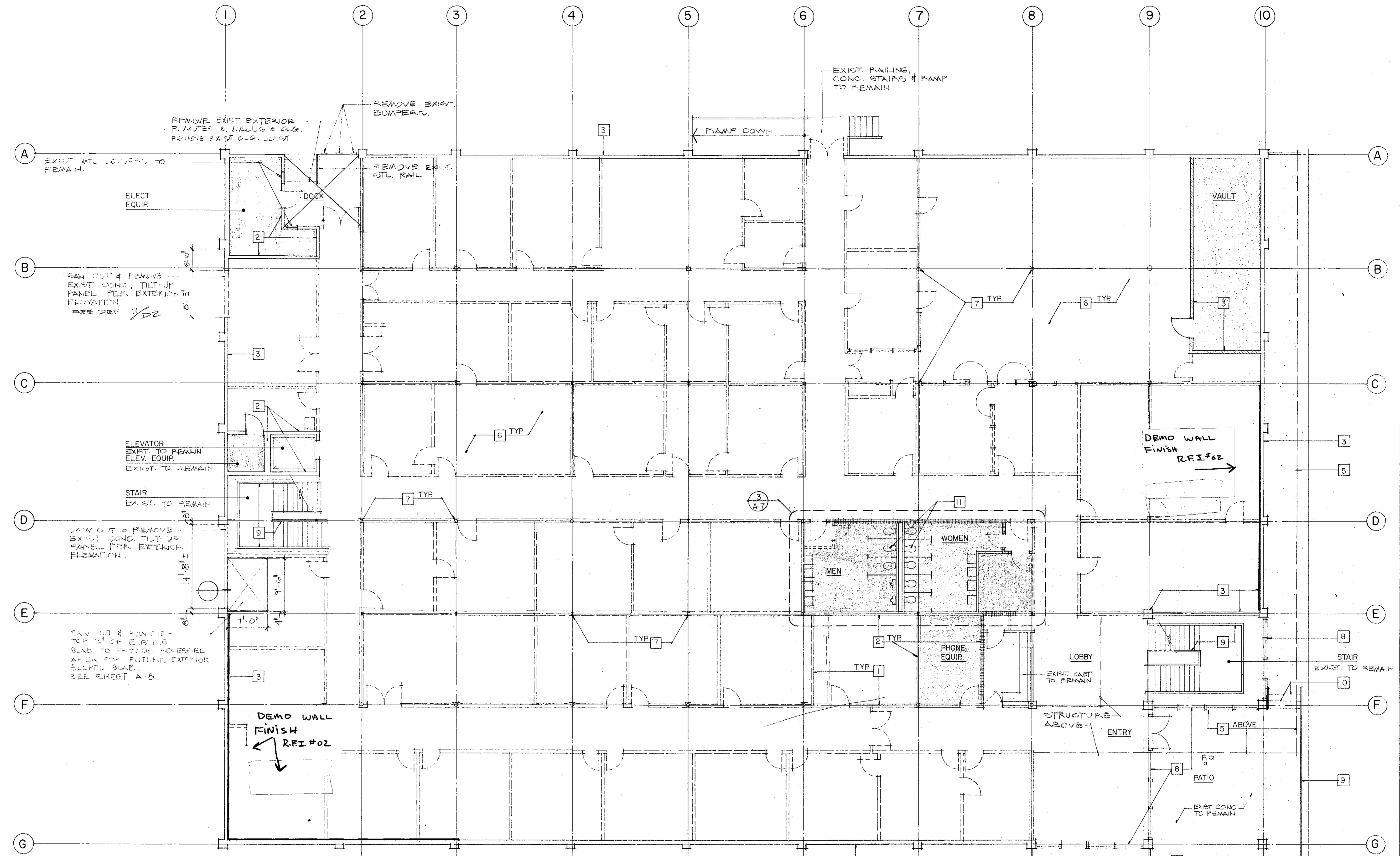
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**RIVERSIDE Library Headquarters**  
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 Riverside, Ca.

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**LEGEND - DEMOLITION PLANS ONLY**

- EXISTING DEMONSTRABLE PARTITIONS, DOORS, WINDOWS TO BE REMOVED. TYP.
- EXIST. WALLS TO REMAIN
- EXIST. DEMONSTRABLE PARTITIONS; REMOVE FINISH MATERIAL EACH SIDE (PROPOSED NEW ONE-HOUR WALL)
- PARTS TO REMAIN TO REMAIN

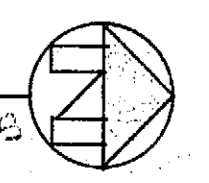
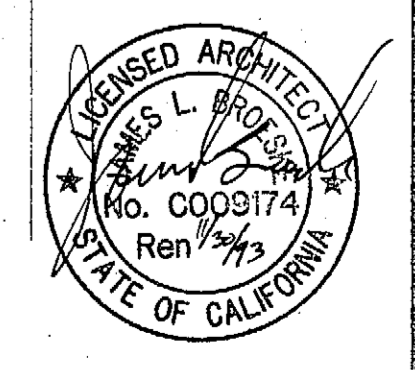
**DEMOLITION PLAN KEY NOTES (TYPICAL)**

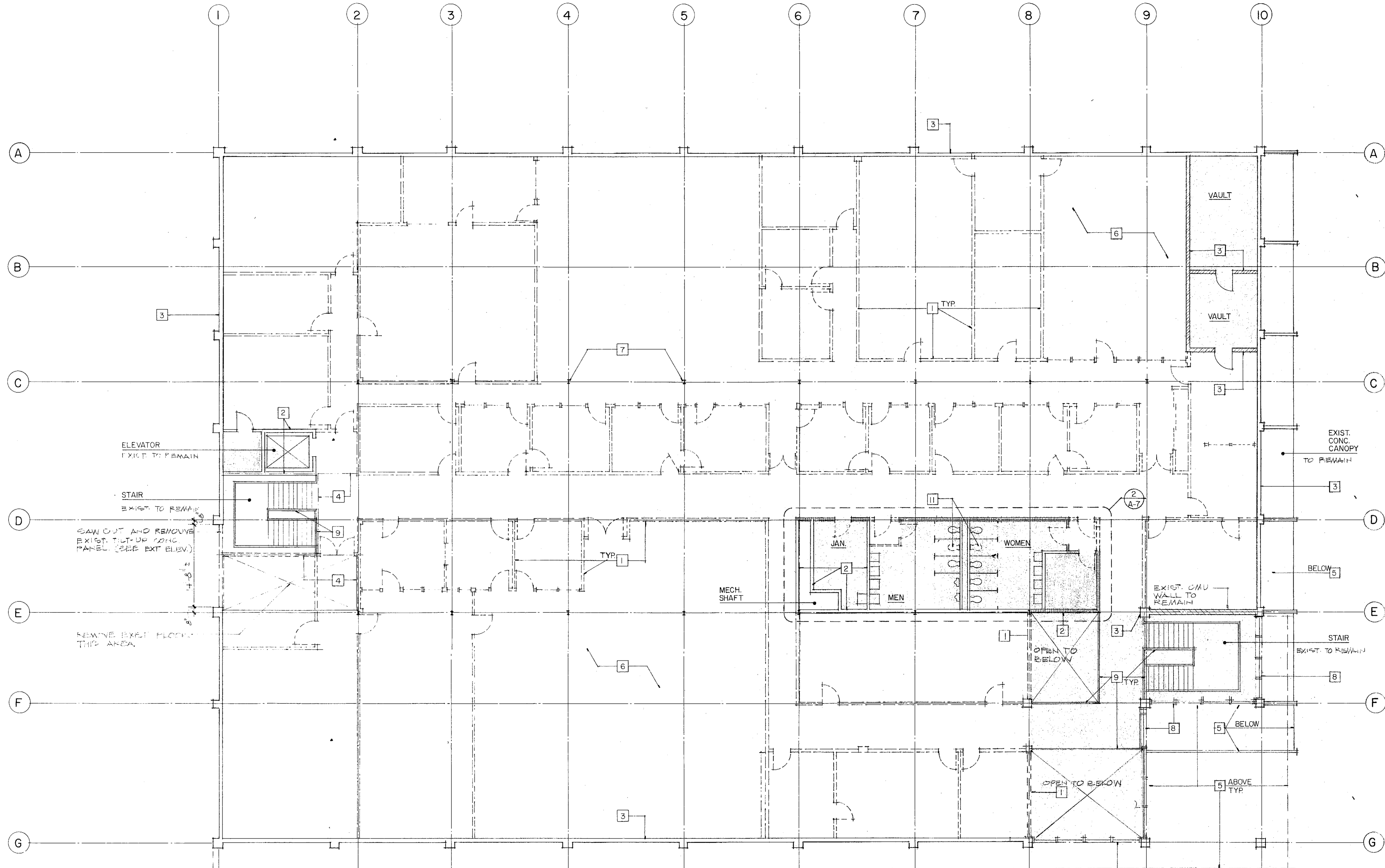
1. EXIST. STUD WALL TO BE REMOVED (INCLUDES DOORS, GLASS, ETC.).
2. EXIST. STUD WALL TO REMAIN (PROTECT AS REQUIRED).
3. EXIST. CONC. OR CONC. BLOCK WALL TO REMAIN.
4. EXIST. STL. BEAM TO REMAIN.
5. EXIST. CANOPY TO REMAIN.
6. REMOVE EXISTING SUSPENDED CEILING EXCEPT WHERE NOTED (STORE AND REUSE EXIST. AC PANELS PER NEW CEILING PLAN SHT. A-10 & A-11; PROVIDE NEW PANELS TO MATCH EXISTING TO COMPLETE LAYOUT).
7. EXIST. STL. COLUMNS TO REMAIN.
8. EXIST. WINDOW WALL TO REMAIN, REPLACE BROKEN GLASS AS REQUIRED.
9. EXIST. HAND RAIL / GUARD RAIL TO REMAIN.
10. EXIST. CONC. STAIRS TO BE REMOVED.
11. REMOVE EXIST. TOILET FIXTURES AND PARTITIONS (SEE SHT. A-7).

NOTE: ADDITIONAL INFO ABOUT EXIST. BLDG. IS AVAILABLE UPON REQUEST FROM THE COUNTY

**FIRST FLOOR DEMO. PLAN** SCALE 1/8"=1'-0"

REFER TO PLUMBING, MECHANICAL & ELECTRICAL PLANS FOR ADDITIONAL DEMO. INFORMATION.





**LEGEND - DEMOLITION PLANS ONLY**

- EXISTING DEMOUNTABLE PARTITIONS, DOORS, WINDOWS TO BE REMOVED. TYP.
- EXIST. WALLS TO REMAIN
- EXIST. DEMOUNTABLE PARTITIONS REMOVE FINISH MATERIAL EACH SIDE (PROPOSED NEW ONE-HOUR WALL)
- EXIST. CEILING TO REMAIN.

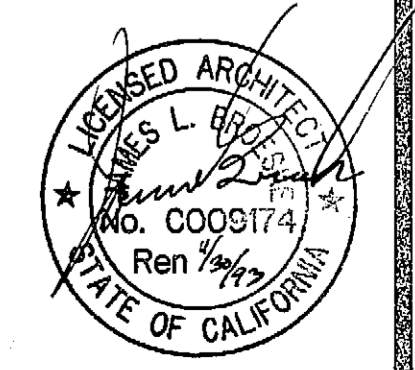
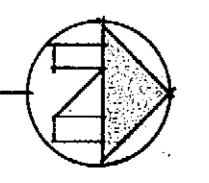
**DEMOLITION PLAN KEY NOTES (TYPICAL)**

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2. EXIST. STUD WALL TO REMAIN (PROTECT AS REQUIRED).
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11. REMOVE EXIST. TOILET FIXTURES AND PARTITIONS (SEE SHT. A-7).

NOTE: EXIST. BLDG. INSULATION TO REMAIN. REPLACE ANY INSULATION DAMAGED OR REMOVED DURING CONSTR. W/ EQUAL NEW R-19 INSULATION ADDED TO BUTTICE SECOND FLOOR GIRLING ABOVE T-BAR. WORK AT FIRST FLOOR.

**SECOND FLOOR DEMO. PLAN** SCALE 1/8" = 1'-0"

REFER TO PLUMBING, MECHANICAL & ELECTRICAL PLANS FOR ADDITIONAL DEMO. INFORMATION.



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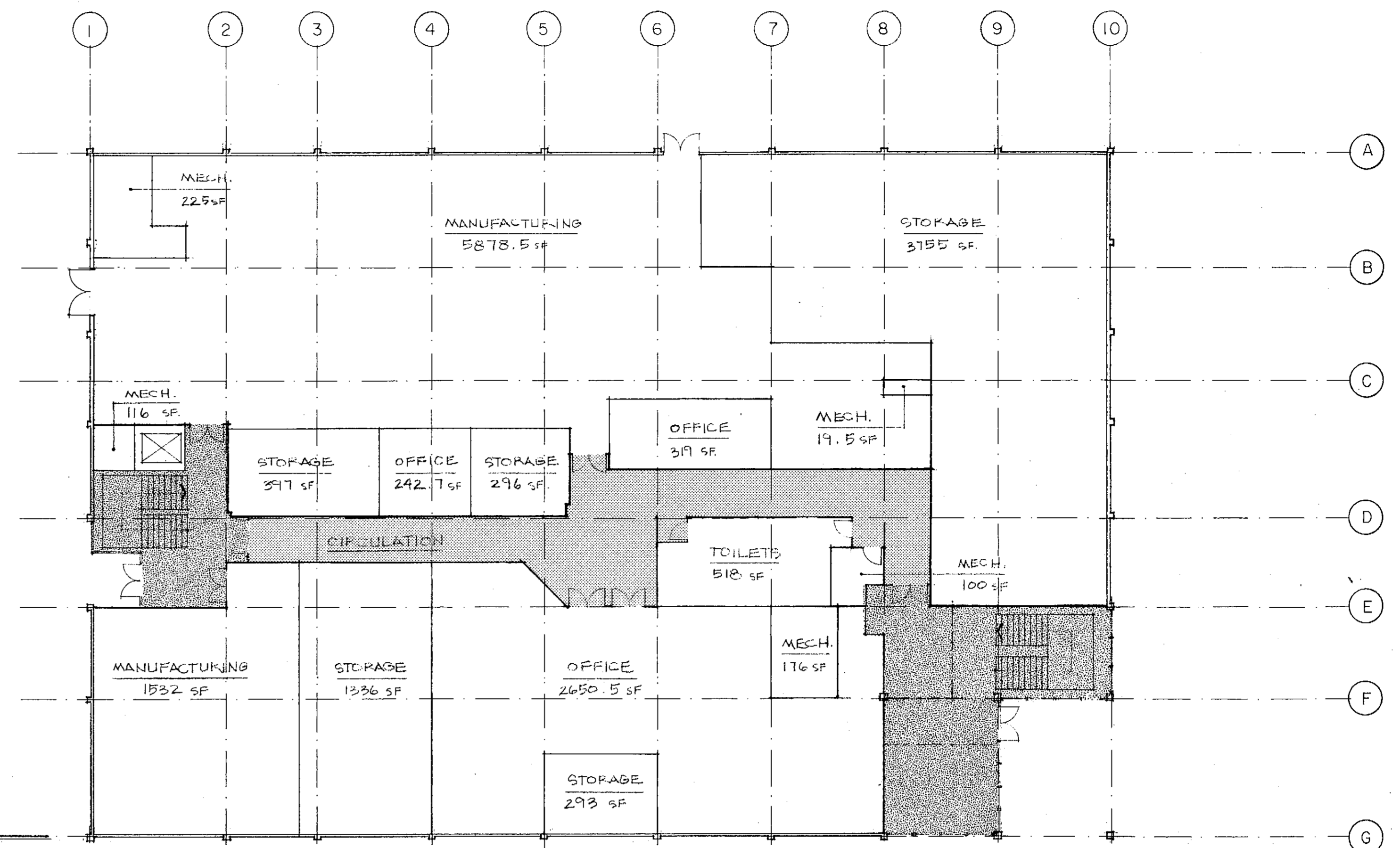
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- FIRE SPRINKLERS MAY NEED TO BE LOCATED TO PROVIDE ADEQUATE COVERAGE WHEN IMPROVEMENTS ARE INSTALLED.
- INSTALL PANIC HARDWARE AND EXIT SIGNS AS PER CHAPTER 33 OF THE UNIFORM BUILDING CODE.
- CERTAIN DESIGNATED AREAS WILL BE REQUIRED TO BE MAINTAINED AS FIRE LANES.
- IT IS PROHIBITED TO USE/PROCESS OR STORE ANY MATERIALS IN THIS OCCUPANCY THAT WOULD CLASSIFY IT AS AN "H" OCCUPANCY PER CHAPTER 9 OF THE 1988 UNIFORM BUILDING CODE.
- INSTALL PORTABLE FIRE EXTINGUISHERS WITH A MINIMUM RATING OF 2A-10BC. CONTACT A CERTIFIED EXTINGUISHER COMPANY FOR PROPER PLACEMENT OF EQUIPMENT.
- APPLICANT/DEVELOPER SHALL BE RESPONSIBLE TO INSTALL A FIRE ALARM SYSTEM. CONTRACTOR MUST SUBMIT PLANS TO THE FIRE DEPARTMENT FOR APPROVAL PRIOR TO INSTALLATION.
- PLEASE CONTACT THE FIRE DEPARTMENT FOR A FINAL INSPECTION PRIOR TO OCCUPANCY.
- CONTRACTOR TO SUBMIT SPRINKLER AND ALARM PLANS TO OUR RIVERSIDE OFFICE AT 3760 12TH STREET FOR APPROVAL.

FIRE DEPARTMENT NOTES



AREA TABULATION

OCCUPANCY	AREA	FACTOR	OCCUPANCY LOAD
MANUFACTURING	7,410.3	1/200	37.1
MECH. EQUIP.	636.5	1/300	2.12
STORAGE	6,077.0	1/300	20.25
OFFICE	3,335.0	1/100	33.35
<b>TOTAL</b>	<b>17,471.0</b>		<b>92.80</b>

AREAS OMITED

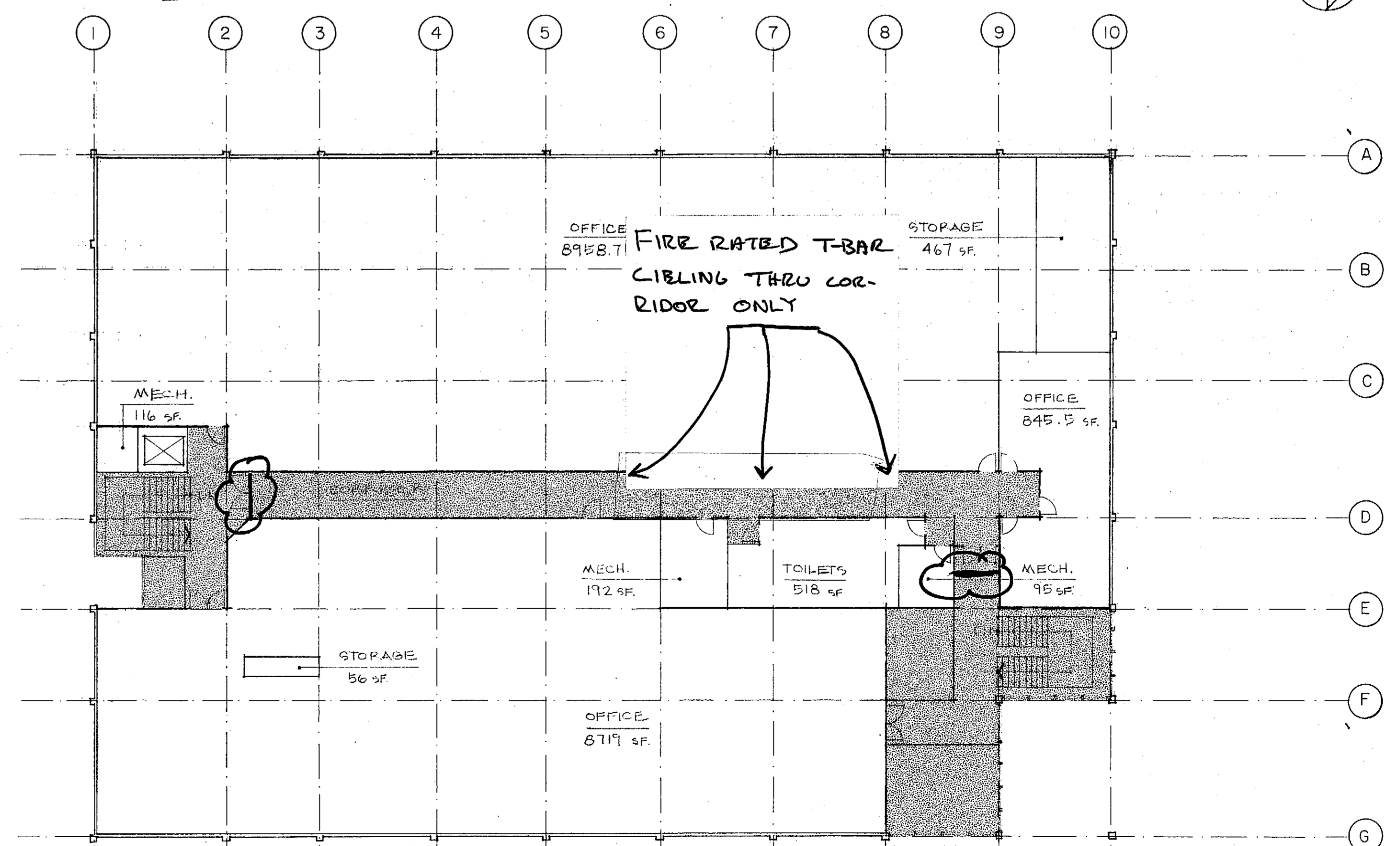
TOILET ROOM	518.0
CIRCULATION	3071.0

KEY  
 [Hatched Box] CIRCULATION; NO RATING CONSTRUCTION REQUIRED  
 [Solid Box] ONE HOUR CORRIDOR CONSTRUCTION REQUIRED

NOTE:  
 EXISTING BUILDING IS NOT SPRINKLED. CONTRACTOR SHALL PROVIDE NEW AUTOMATIC FIRE SPRINKLER SYSTEM. PROVIDE SHOP DRAWINGS TO AGENCIES FOR APPROVAL.

FIRST FLOOR

SCALE 1/16" = 1'-0"



OCCUPANCY	AREA	FACTOR	OCCUPANCY LOAD
MECH. EQUIP.	211.0	1/300	.70
STORAGE	523.0	1/300	1.70
OFFICE	17,523.0	1/100	175.23
<b>TOTAL</b>	<b>18,257.0</b>		<b>177.63</b>

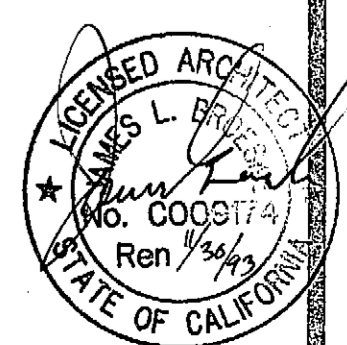
AREAS OMITED

TOILET ROOM	
CORRIDOR	

KEY  
 [Hatched Box] CIRCULATION; NO RATED CONSTRUCTION REQUIRED  
 [Solid Box] ONE HOUR CORRIDOR CONSTRUCTION REQUIRED

SECOND FLOOR

SCALE 1/16" = 1'-0"



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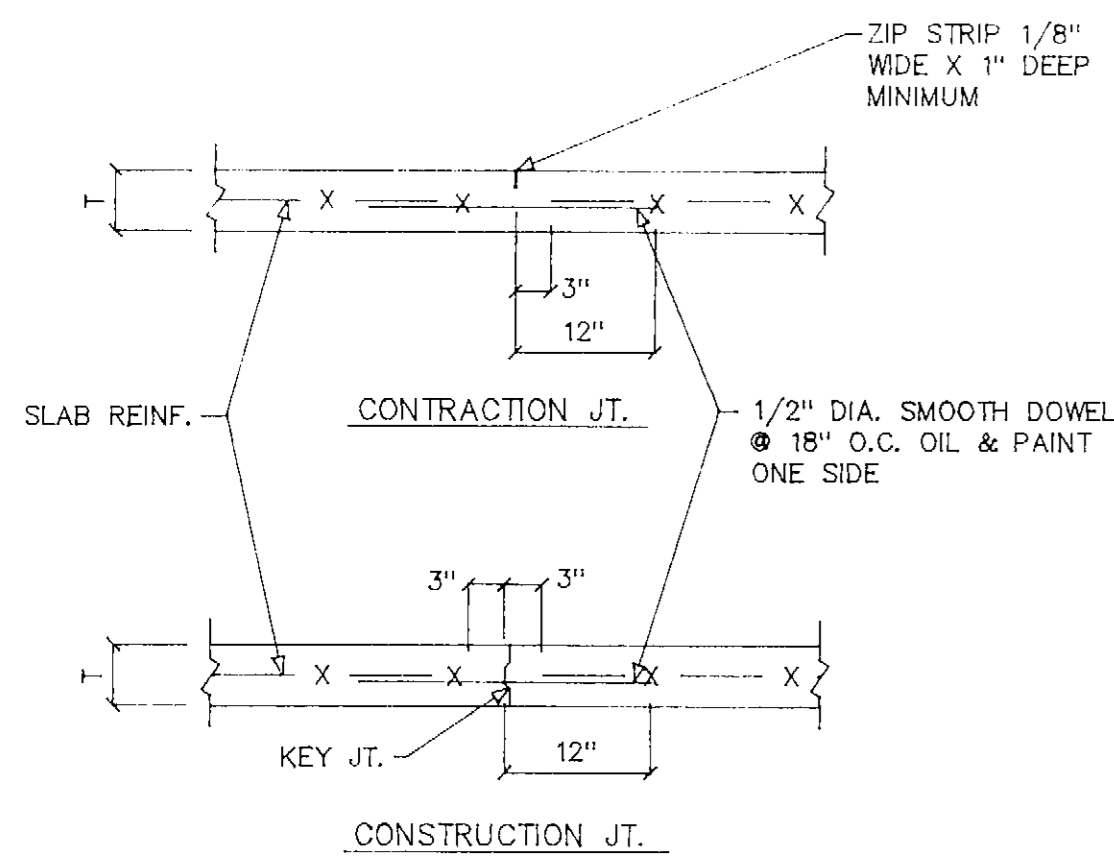
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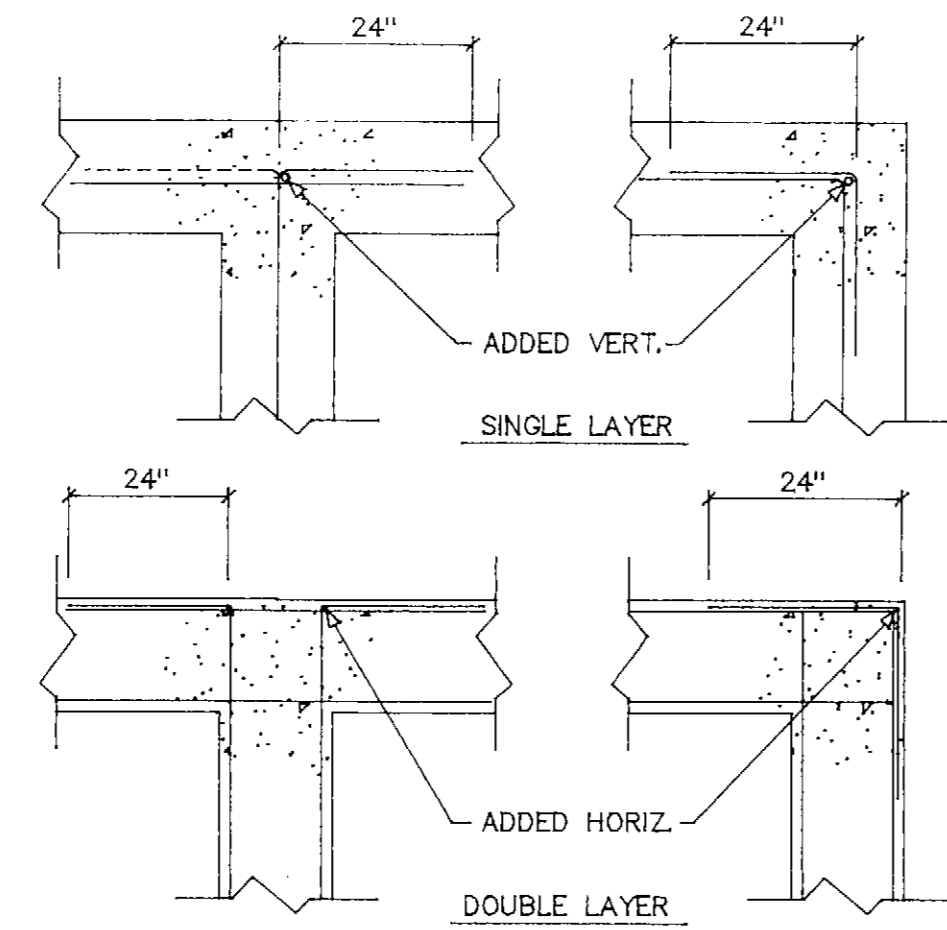
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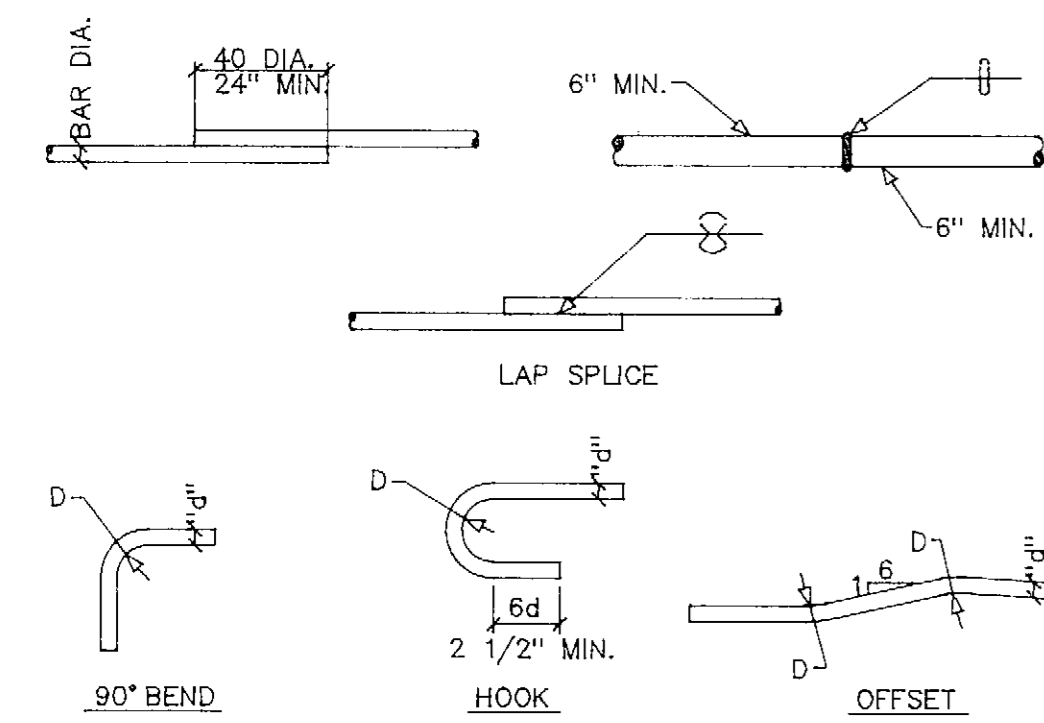
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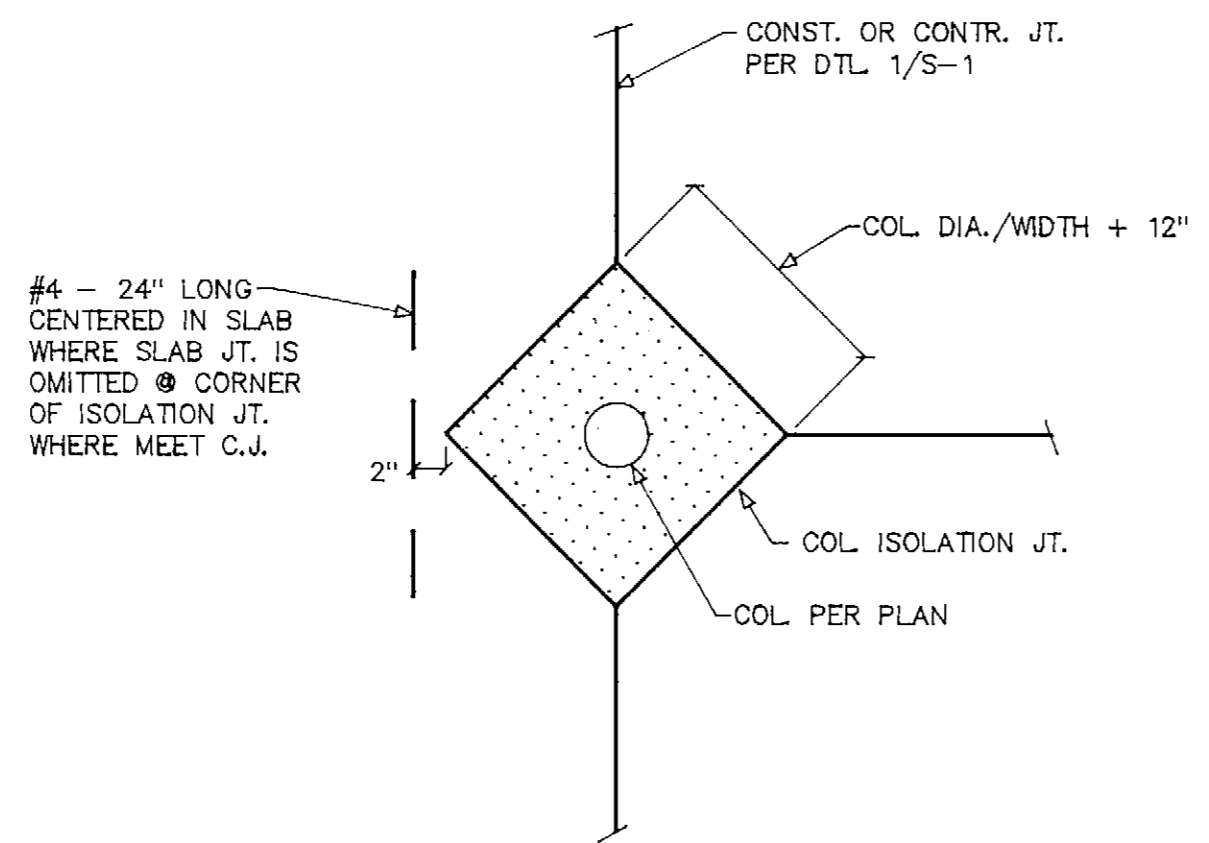
CONTRACTION/CONST. JT. SCALE NTS 1



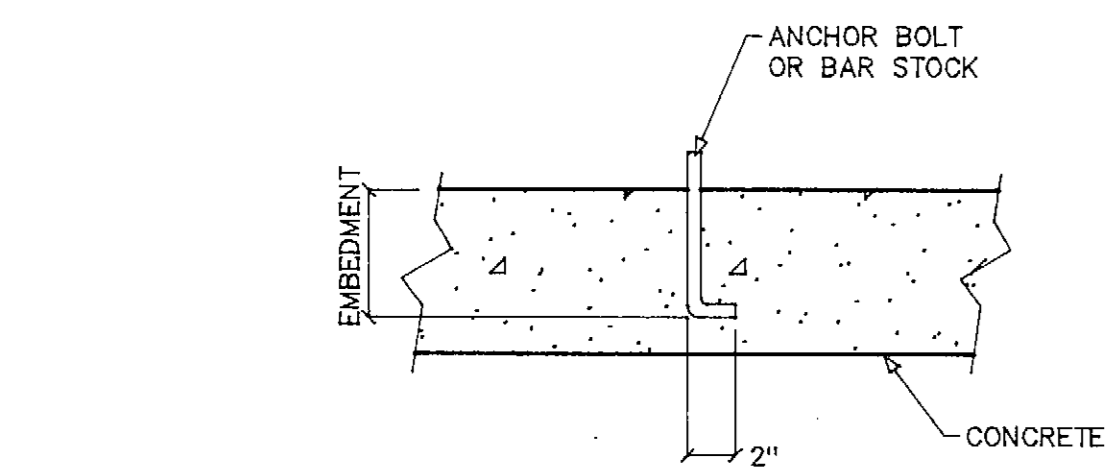
WALL/FTG. SPLICE, DTL. SCALE NTS 2



REINF. SPLICING SCALE NTS 3



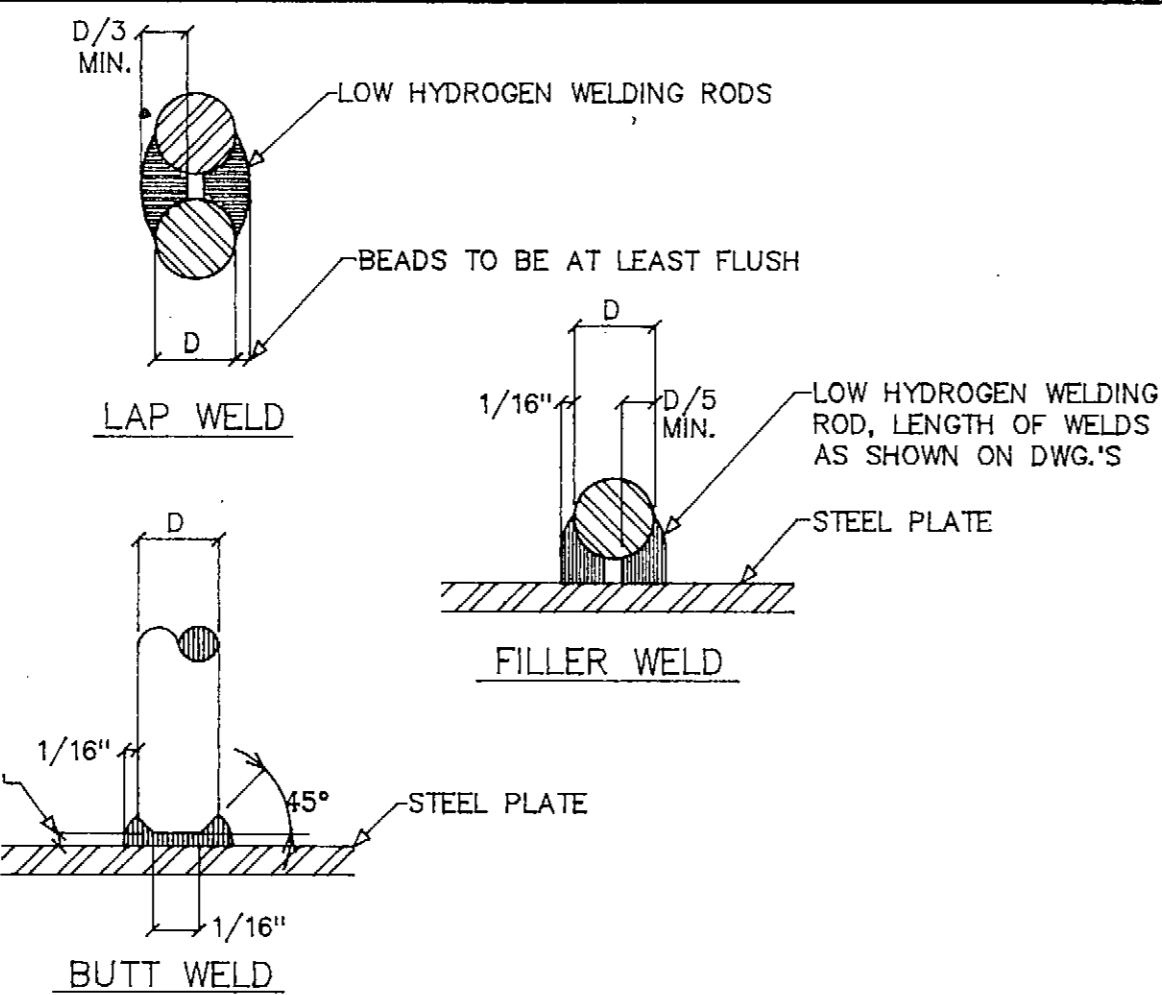
TYPICAL ISOLATION JT. SCALE NTS 4



BOLT SIZE	EMBEDMENT OR SPACING
1/2" DIA.	6"
5/8" DIA.	6"
3/4" DIA.	8"
7/8" DIA.	8"
1" DIA.	9"

NOTE: THIS EMBEDMENT SHALL BE TYP. U.N.O.

ANCHOR BOLT EMBEDMENT SCALE 1 1/2"=1'-0" 5



REINF. WELDING SCALE NTS 6

SCALE 7

SCALE 8

GENERAL CONSTRUCTION NOTES

- THE INTENT OF THE STRUCTURAL DRAWINGS IS TO SHOW THE MAIN STRUCTURAL FEATURES AND STRUCTURAL DESIGN FOR THE PROJECT. ARCHITECTURAL DETAILS ARE SHOWN INCIDENTALLY ONLY AND NOT COMPLETELY. THEREFORE, ARCHITECTURAL DRAWINGS MUST BE USED IN CONJUNCTION WITH STRUCTURAL DRAWINGS DURING ALL PHASES OF CONSTRUCTION. DISCREPANCIES BETWEEN STRUCTURAL DRAWINGS AND ARCHITECTURAL DRAWINGS IF NOT CLARIFIED IN THE ADDENDA AT THE REQUEST OF THE CONTRACTOR, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT DURING CONSTRUCTION FOR CLARIFICATIONS. THE CONTRACTOR SHALL TAKE THIS INTO CONSIDERATION IN HIS BID.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF BOTH LOCAL AND UNIFORM BUILDING CODE (U.B.C.) STANDARDS.
- THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL, AND LANDSCAPE DRAWINGS AND SPECIFICATIONS.
- CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPORT ANY ERRORS, OMISSIONS, OR POSSIBLE DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING ANY WORK. SPECIAL CARE SHALL BE GIVEN SITE AND BUILDING LAYOUT THEREON.
- THE CONTRACTOR SHALL PROVIDE SAFE AND ADEQUATE BRACES AND CONNECTIONS TO SUPPORT THE COMPONENT PARTS OF THE STRUCTURE UNTIL THE STRUCTURE ITSELF (INCLUDING THE FLOOR AND ROOF DIAPHRAGMS) IS COMPLETE ENOUGH TO ADEQUATELY SUPPORT ITSELF.
- OPTIONS, IF PROVIDED HEREIN, ARE FOR CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, SHALL COORDINATE ALL DETAILS, AND SHALL OBTAIN ALL REQUIRED APPROVALS.
- COSTS OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION, SHALL BE BORNE BY THE CONTRACTOR.
- WHERE DESIGN AND DETAILS OF PLATE GIRDERS, TRUSSES, ETC., IS TO BE PROVIDED BY FABRICATOR, CONTRACTOR SHALL SUBMIT CALCULATIONS PREPARED BY A CIVIL OR STRUCTURAL ENGINEER, TO THE ENGINEER AND TO THE BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION.
- WHERE "SPECIAL INSPECTION" IS REQUIRED ON THE PLANS, A REGISTERED DEPUTY INSPECTOR, APPROVED BY, AND RESPONSIBLE TO, THE ENGINEER AND BUILDING DEPARTMENT, SHALL BE EMPLOYED BY THE OWNER. SPECIAL INSPECTION IS REQUIRED FOR:
  - PLACING OF ALL CONCRETE WITH AN F'C IN EXCESS OF 2,500 psi.
  - ALL FIELD WELDING, OR WELDING PERFORMED IN AN UNLICENSED FABRICATING SHOP.
  - ALL CERTIFIED COMPACTED FILL.
  - SUCH OTHER ITEMS AS MAY BE REQUIRED ON PLANS.
  - INSTALLATION OF HIGH STRENGTH BOLTS SHALL REQUIRE INSPECTION BY A DEPUTY INSPECTOR.
- AS A CONVENIENCE TO THE CONTRACTOR, ENGINEER SHALL REVIEW REQUIRED SHOP DRAWINGS AS TO THEIR GENERAL CONFORMANCE TO THE DESIGN CONCEPT. CONTRACTOR SHALL BE RESPONSIBLE, NONETHELESS, FOR COMPLIANCE AND DIMENSIONS AND SHALL SUBMIT SHOP DRAWINGS IF APPLICABLE, FOR THE FOLLOWING:
  - GLULAM BEAMS AND PANELIZED ROOF FRAMING.
  - STRUCTURAL STEEL AND TAPERED STEEL GIRDERS, INCLUDING ERECTION BRACING.
  - PRECAST CONCRETE ELEMENTS, INCLUDING PICKUP POINTS, STRONGBACKS AND BRACING, ALL CERTIFIED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER.
  - CONCRETE POURING SEQUENCE, SHORING DETAILS AND SPECIAL CONSTRUCTION TECHNIQUES (CERTIFICATION MAY BE REQUIRED).
  - SUCH OTHER ITEMS AS MAY BE REQUIRED ON PLANS.
 CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND COMPLIANCE CERTIFICATES TO THE BUILDING DEPARTMENT WHEN REQUIRED.
- WHERE SOIL REPORT IS CITED, ITS REQUIREMENTS SHALL BE ADOPTED HEREIN.
- DETAILS SHOWN AS TYPICAL ARE APPLICABLE TO ALL SIMILAR CONDITIONS.

CONCRETE

- CONCRETE SHALL HAVE THE FOLLOWING 28 DAY MINIMUM COMPRESSIVE STRENGTH:
  - 2,500 psi WITH 4 INCH SLUMP
- CEMENT SHALL CONFORM TO ASTM C-150.
- BEFORE CONCRETE IS POURED, CHECK WITH ALL TRADES TO INSURE PROPER PLACEMENT OF ALL OPENINGS, SLEEVES, CONDUITS, CURBS ETC. RELATING TO THE WORK. SLEEVES TO BE 2 INCHES LARGER THAN PIPE.
- ALL ANCHOR BOLTS, DOWELS OR INSERTS SHALL BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED.
- ANCHOR BOLTS NOT CALLED OUT ON DRAWINGS SHALL BE 1/2" DIA. ANCHOR BOLTS - 10' LONG AT 8'-0" ON CENTER. IN LIEU OF ANCHOR BOLTS, SHOT PINS FOR NON-SHEAR WALLS MAY BE USED. SIZE AND SPACING SHALL BE IN ACCORDANCE WITH MANUFACTURER'S ICBO REPORT REQUIREMENTS.

REINFORCING STEEL

- REINFORCING STEEL FOR FOOTING SHALL BE DEFORMED BARS CONFORMING TO ASTM A-615 GRADE 40. LAP BARS A MINIMUM OF 40 DIAMETERS.
- FOOTING DOWELS SHALL MATCH VERTICAL WALL OR COLUMN STEEL LAP 36 DIAMETERS.
- AT ALL OPENINGS IN CONCRETE, CONCRETE BLOCK AND BRICK MASONRY, PROVIDE AT LEAST 2-#5 BARS AT JAMBS, HEAD AND SILL, EXTENDING 2'-0" BEYOND EDGES OF OPENING.
- MINIMUM CONCRETE COVER SHALL BE:
  - 3".....CONCRETE POURED AGAINST EARTH.
  - 2".....FORMED CONCRETE WHICH WILL REMAIN IN CONTACT WITH EARTH.
  - 1 1/2".....BEAMS, MEASURED TO MAIN STEEL; COLUMNS, MEASURED TO TIES OR SPIRALS; EXPOSED.
  - 3/4".....SLABS; INSIDE FACES OF WALLS.
- WIRE MESH SHALL CONFORM TO ASTM A-185. LAP 8" MINIMUM.

CONCRETE BLOCK MASONRY

- ALL CONCRETE BLOCK UNITS SHALL BE LIGHT WEIGHT GRADE "N", CONFORMING TO ASTM C-90.
- ALL SLUMPED BLOCK UNITS SHALL BE GRADE "N", CONFORMING TO ASTM C-90.
- CEMENT MORTAR SHALL CONSIST OF ONE PART CEMENT TO 3 1/2 SAND TO 1/4 LIME PUTTY. CEMENT MORTAR SHALL ATTAIN A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 2,000 psi @ 28 DAYS.
- ALL CELLS CONTAINING HORIZONTAL OR VERTICAL REINFORCING STEEL BOLTS, OR INSERTS SHALL BE GROUTED. WHERE REINFORCING STEEL, ETC., OCCURS IN OR ADJACENT TO MORTAR JOINTS, THE CELLS ON EACH SIDE OF SAID STEEL ETC., SHALL BE GROUTED. WHERE BLOCK WALL IS RETAINING EARTH OR IN CONTACT WITH EARTH, SUCH PORTION OF WALL SHALL BE GROUTED SOLID.
- CLEANOUT OPENINGS SHALL BE PROVIDED AT BOTTOM OF ALL VERTICALLY GROUTED CELLS IF GROUT LIFT EXCEEDS 4'-0". MAXIMUM GROUT LIFT IS 8'-0".
- WALL SHALL NOT BE GROUTED UNLESS SO SPECIFIED ON THE PLANS. WIRE MESH SHALL BE USED TO FORM HORIZONTALLY (PAPER, CARDBOARD, ETC., SHALL NOT BE USED).
- ALL MASONRY WALLS IN EXCESS OF 10'-0" IN HEIGHT SHALL BE BRACED TO WITHSTAND A WIND LOAD OF 10 LBS. PER SQ. FT. APPLIED PERPENDICULAR TO WALL IN EITHER DIRECTION. BRACING SHALL REMAIN IN PLACE UNTIL ROOF DIAPHRAGM (ETC.) IS COMPLETE ENOUGH TO SUPPORT THE WALL.

WOOD

- ALL STRUCTURAL LUMBER SHALL BE DOUGLAS FIR GRADED IN ACCORDANCE WITH WCLB RULES No. 16, AND TO BE OF THE FOLLOWING GRADES UNLESS NOTED OTHERWISE:
  - STUDS AND PLATES 2" to 4" thick; 2" to 4" wide - CONSTRUCTION GRADE
  - STUDS AND PLATES 2" to 4" thick; 5" and wider - NO. 2
  - JOISTS AND PLANKS 2" to 4" thick; 5" and wider - NO. 2
  - JOISTS AND PLANKS 2" to 4" thick; 2" to 4" wide - NO. 2
  - BEAMS AND STRINGERS 5" and thicker; 5" and wider - NO. 1
  - POSTS 5" and thicker; 5" and wider - NO. 1
- ALL PLYWOOD ROOF SHEATHING SHALL BE DOUGLAS FIR WITH LEGIBLE APA GRADE STAMPS AS FOLLOWS:
  - FACE GRAIN PARALLEL TO SUPPORTS - STRUCTURAL I EXTERIOR
  - FACE GRAIN PERPENDICULAR TO SUPPORTS - C-D WITH EXTERIOR GLUE UNLESS OTHERWISE NOTED
- ALL PLYWOOD FLOOR SHEATHING SHALL BE C-D WITH EXTERIOR GLUE UNLESS OTHERWISE NOTED.
- ALL PLYWOOD WALL SHEATHING SHALL BE STRUCTURAL I OR C-D DOUGLAS FIR AS NOTED ON THE PLANS.
- ALL FOUNDATION PLATES OR SILLS RESTING ON CONCRETE OR MASONRY FOUNDATIONS SHALL BE PRESSURE TREATED DOUGLAS FIR.
- ALL NAILING SHALL BE IN ACCORDANCE WITH TABLE NO. 25-P UNLESS OTHERWISE NOTED. ALL NAILS SHALL BE COMMON NAILS SPACED AS NOTED ON THE PLANS.
- ALL BOLTS AND NUTS WHICH BEAR AGAINST THE FACE OF WOOD MEMBERS SHALL BE PROVIDED WITH STANDARD METAL WASHERS.
- PROVIDE 2 INCH BLOCKING AT ALL ENDS OF JOISTS AND RAFTERS AND AT ALL BEARINGS. INTERMEDIATE BLOCKING SHALL BE INSTALLED AS REQUIRED BY CODE. ALL PLYWOOD FLOOR SHEATHING SHALL HAVE 2 INCH BLOCKING AT EDGES. PLYWOOD ROOF SHEATHING SHALL HAVE 2 INCH BLOCKING AT EDGES WHERE NOTED ON THE PLANS.
- PROVIDE 1 X 6 LET-IN BRACING AT APPROXIMATELY 45 DEGREES AND EVERY 25 FEET IN WOOD STUD WALLS NOT SHEATHED WITH PLYWOOD. BRACE TO BE CONTINUOUS FROM SILL TO TOP PLATE.
- PROVIDE ONE TRIMMER STUD AND ONE KING STUD UNDER ALL HEADERS IN ONE STORY CONSTRUCTION. PROVIDE DOUBLE TRIMMER STUDS AND ONE KING STUD IN ALL BOTTOM STORIES OVER ONE STORY.
- PROVIDE DOUBLE FLOOR JOISTS UNDER ALL PARALLEL PARTITIONS.
- ALL LUMBER SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF USE.
- ALL METAL CONNECTORS SHALL BE BY SIMPSON STRONG-TIE COMPANY INC. ALL HARDWARE CONNECTORS SHALL BE THE DESIGNATED MODEL No. TO MATCH THE MEMBER SIZE AS SPECIFIED BY THE MANUFACTURER (UNLESS NOTED OTHERWISE ON DRAWING).

STRUCTURAL STEEL AND WELDING

- ALL WORK SHALL COMPLY WITH "AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36.
- PIPE COLUMNS SHALL CONFORM TO ASTM A-53, GRADE "B" WITH SULPHUR CONTENT NOT TO EXCEED 0.05% ENDS SHALL BE SAWCUT SQUARE FOR TRUE BEARING.
- TUBE COLUMNS SHALL CONFORM TO ASTM A-501 OR A-500, GRADE "B".
- BEAM CONNECTIONS SHALL COMPLY WITH "FRAMED BEAM CONNECTIONS" A.I.S.C. PART 4, TABLE 1, USING A307 BOLTS (M.B.) UNLESS OTHERWISE NOTED.
- ALL WELDING SHALL BE BY ELECTRONIC ARC PROCESS AND SHALL COMPLY WITH A.W.S. SPECIFICATIONS FOR WELDING AND FABRICATION.
- WELDING SHALL BE PERFORMED BY CERTIFIED OPERATORS IN A SHOP LICENSED BY THE LOCAL AUTHORITY.
- LOW HYDROGEN ELECTRODES SHALL BE USED WHEREVER REINFORCING STEEL IS WELDED.
- UNLESS SHOWN, SHALL BE MINIMUM WELD FOR ALL STRUCTURAL CONNECTIONS.
- ALL BUTT WELDS SHALL BE FULL PENETRATION UNLESS OTHERWISE DETAILED ON THE PLANS.
- A CERTIFICATE OF FABRICATION FROM THE SHOP PERFORMING WELDING OR A REPORT FROM THE SPECIAL INSPECTOR MUST BE FURNISHED TO THE JOB INSPECTOR PRIOR TO FRAMING APPROVAL.
- HIGH STRENGTH BOLTS WHERE INDICATED ON THE PLANS OR DETAILS SHALL CONFORM TO ASTM A-325 OR ASTM A-490 (FRICTION TYPE) AND THERE SHALL BE NO PAINT, OIL, LACQUER OR GALVANIZING BETWEEN THE CONTACT SURFACES.
- HIGH STRENGTH BOLTS SHALL HAVE LOAD INDICATOR WASHERS TO SERVE AS A DIRECT TENSION INDICATOR. INSTALLATION OF HIGH STRENGTH BOLTS SHALL REQUIRE SPECIAL INSPECTION BY A DEPUTY INSPECTOR.
- ALL FIELD WELDING SHALL HAVE SPECIAL INSPECTION.
- CLOSURE PLATES AND CONTINUOUS BENT PLATES AT DECK EDGE SHALL CONFORM TO ASTM A-446.

SPRINKLER NOTES:

- WEIGHT OF SPRINKLER SHALL NOT EXCEED ONE POUND PER SQUARE FOOT OF FLOOR OR ROOF ON ANY ONE MEMBER.
- NO SPRINKLER PIPING SHALL BE ATTACHED TO 2 X DIMENSIONAL ROOF OR FLOOR FRAMING.
- NO SPRINKLER PIPING GREATER THAN TWO INCHES SHALL BE ATTACHED TO WOOD MEMBERS.
- SPRINKLER PIPING SHALL BE CONNECTED CLOSE TO THE END OF THE MEMBER OR THE WEIGHT MUST BE DISTRIBUTED ALONG THE LENGTH OF THE MEMBER.
- NO SPRINKLER PIPING GREATER THAN FOUR INCHES SHALL BE USED. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED FOR SIZES GREATER THAN FOUR INCHES.
- SPRINKLER PIPING LAYOUT SHALL BE SUBMITTED TO THE ENGINEER OF THE RECORD FOR REVIEW PRIOR TO APPROVAL.

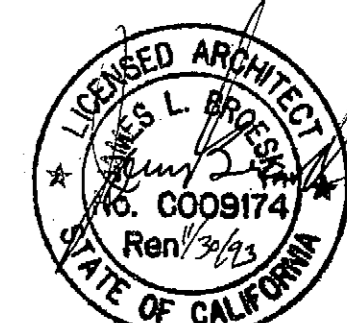
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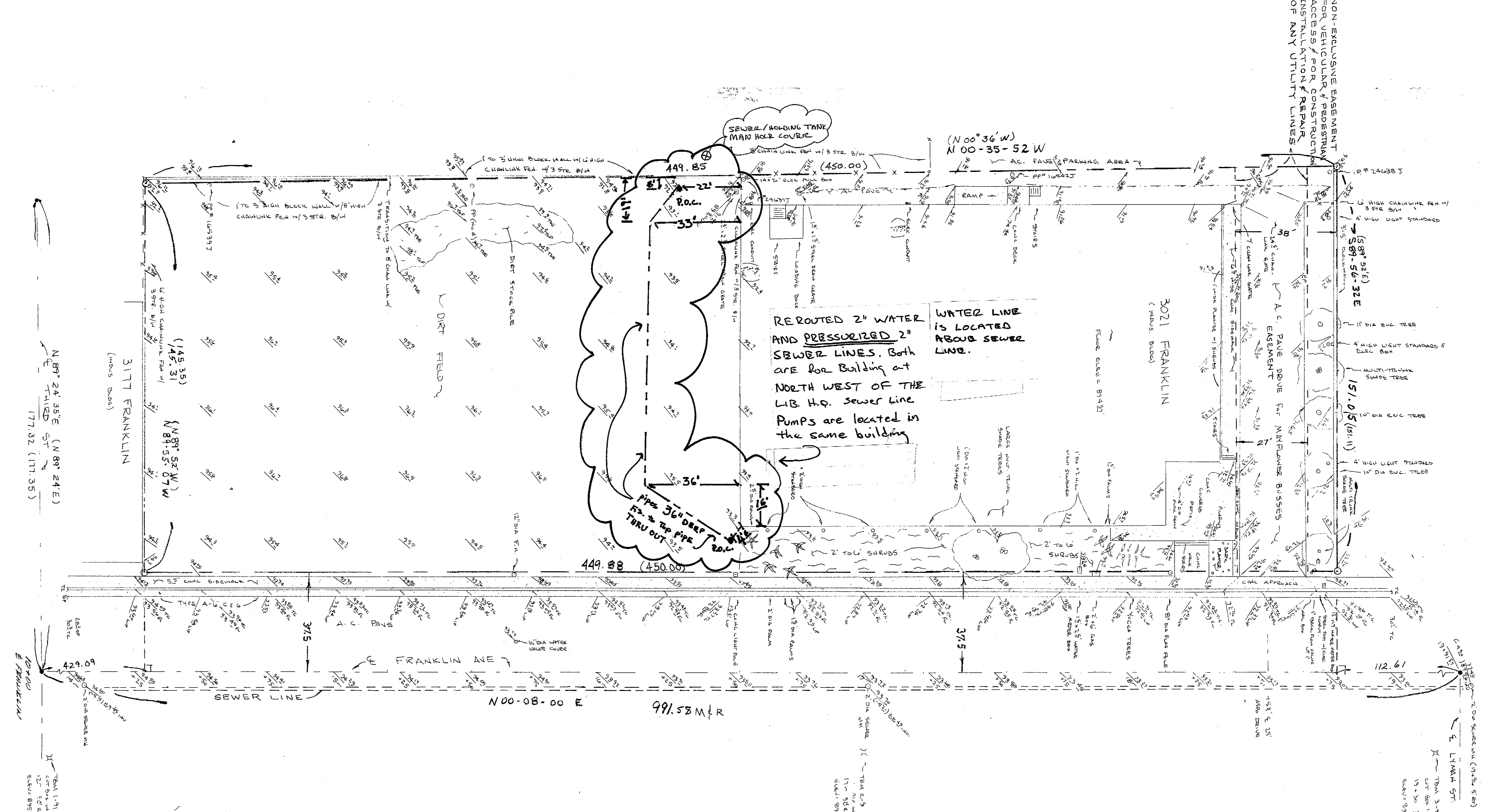
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 6180 Brockton Ave., Ste. 104, Riverside, CA 92506 (714) 788-5940

**RIVERSIDE Library Headquarters**  
 3021 Franklin Street  
 Riverside, Ca.

DRAWN *M.P.*  
 CHECKED *N.S.*  
 DATE 12-13-91  
 SCALE As shown  
 JOB NO. 91206  
 SHEET T-5





TOPO CITY/COUNTRY  
LIBRARY HEADQUARTERS

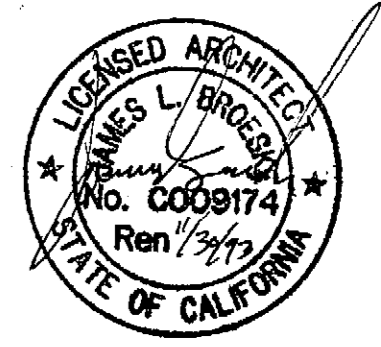
LOT 32-37, INCLUSIVE MB 34/38.  
FOR NW 1/4 SEC 28 T25R54 S8B4  
PARTS OF SUBDIVISION OF CITY OF RIVERSIDE BMS  
I 7-1 AND I 7-11  
B.M. ELEV.  
I 7-1 990.64  
I 7-11 901.36  
DATE: MAY 10, 1991  
F.S. 2/1/83  
S.M. 5/8/11  
W.S. 6/20-8/22

SCALE  
1" = 20'

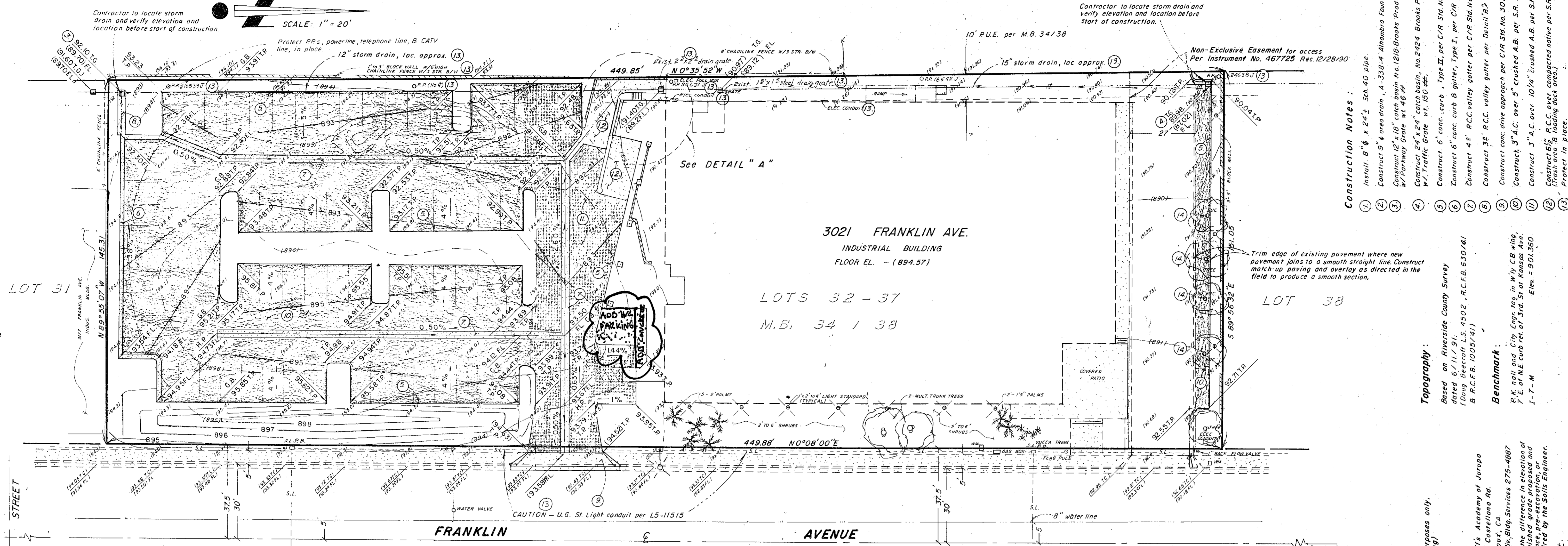
SURVEYORS NOTES:  
(XXX) = RECORD INFORMATION PER  
M.B. 34/38  
• = INDICATES PD. MONUMENTS  
M/R = MEASURED & RECORDED PER  
M.B. 34/38.

- ABBREVIATIONS
- FL = FLOW LINE
  - ER = EDGE OF PAVEMENT
  - CONC. = CONCRETE
  - T.C. = TOP OF CURB
  - LIP = GUTTER LIP
  - ASPH. = ASPHALT
  - A.C. = ASPHALT CONCRETE
  - M.H. = MAN HOLE
  - FEN. = FENCE
  - BM = BENCH MARK
  - DIA. = DIAMETER
  - D/W = BARBED WIRE
  - F.H. = FIRE HYDRANT
  - INV. = INVERT (FLOWLINE)
  - ELEV. = ELEVATION
  - RT. = RIGHT
  - BLDG. = BUILDING
  - INDUS. = INDUSTRIAL
  - ELEC. = ELECTRICAL
  - R.C.F.B. = RIVERSIDE CITY FIELD BOOK

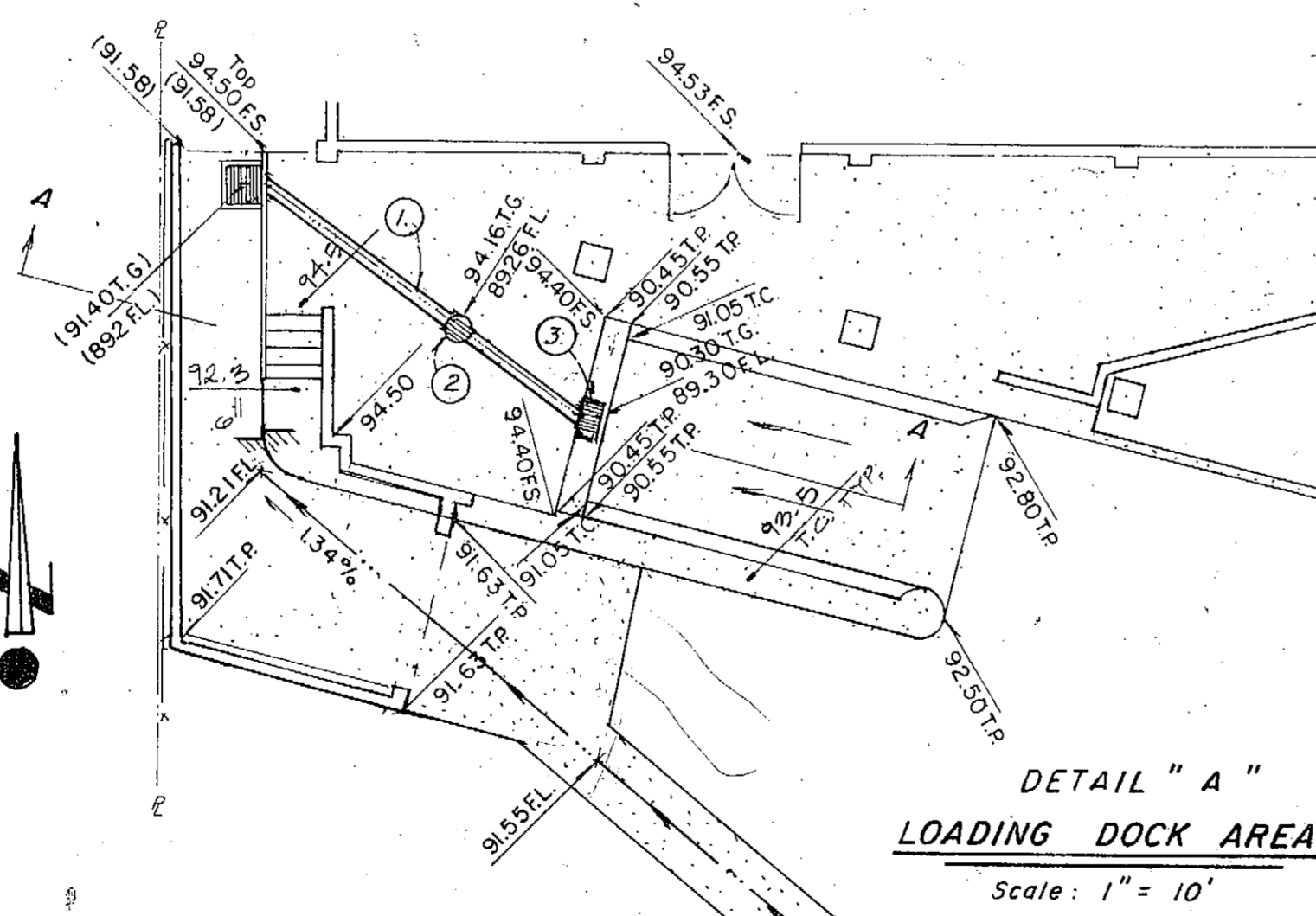
IN THE COUNTY OF RIVERSIDE ELEVATIONS - CROSS SECTIONS & TOPO MAP	
CITY & COUNTY LIBRARY	
LOTS 32-37, MB 34/38 SEC 24 T25 R54 S8B4 LYING WITHIN THE CITY OF RIVERSIDE	
GERALD A. STAYNER COUNTY SURVEYOR	
DRAWN BY: RLM	APPROVED BY: [Signature]
CHECKED BY: AMS	REFERENCES: MB. 34/38 R.C.F.B. 630/11 R.C.F.B. 1005/41
DATE: 6/1/91	



DRAWN	RLM
CHECKED	AMS
DATE	12-15-91
SCALE	1" = 20'-0"
JOB NO.	91002
SHEET	
C-1	
OF SHEETS	



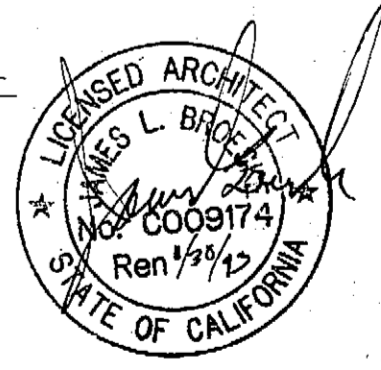
- GENERAL NOTES**
- ALL GRADING SHALL CONFORM TO CHAPTER 70 OF THE CURRENT CITY ADOPTED EDITION OF THE UNIFORM BUILDING CODE.
  - CONTRACTOR IS RESPONSIBLE FOR EROSION, DUST, AND TEMPORARY DRAINAGE CONTROL DURING GRADING OPERATIONS.
  - ANY IMPROVEMENTS CONSTRUCTED IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE A SEPARATE CONSTRUCTION PERMIT AND INSPECTION FROM THE CITY OF RIVERSIDE PUBLIC WORKS DEPT.
  - ANY WALLS, FENCES, STRUCTURES AND/OR APPURTENANCES ADJACENT TO THIS PROJECT ARE TO BE PROTECTED IN PLACE. IF GRADING OPERATIONS DAMAGE OR ADVERSELY AFFECT SAID ITEMS IN ANY WAY, THE CONTRACTOR AND/OR DEVELOPER IS RESPONSIBLE FOR WORKING AN ACCEPTABLE SOLUTION TO THE SATISFACTION OF THE AFFECTED OWNERS.
  - It is the Grading Contractors responsibility to ensure that adequate compaction has been obtained on the entire grading site area including fill areas outside the building pads and on all fill slopes.
  - IT IS THE SOIL ENGINEER'S RESPONSIBILITY TO OBSERVE AND PERFORM COMPACTION TESTS DURING THE GRADING TO EVALUATE THE PREPARATION OF THE NATURAL GROUND SURFACE TO RECEIVE THE FILL AND THE COMPACTION ATTAINED IN THE FILL, INCLUDING FILL AREAS OUTSIDE THE BUILDING PADS AND ON ALL FILL SLOPES.
  - THIS PLAN IS FOR GRADING PURPOSES ONLY. ISSUANCE OF A PERMIT BASED ON THIS PLAN DOES NOT CONSTITUTE APPROVAL OF DRIVEWAY LOCATIONS OR SIZES, PARKING LOT STRUCTURAL SECTIONS OR LAYOUT, BUILDING LOCATIONS, OFFSITE DRAINAGE FACILITIES OR OTHER ITEMS NOT RELATED DIRECTLY TO THE BASIC GRADING OPERATION.
  - CERTIFICATION FROM THE REGISTERED CIVIL ENGINEER STATING THAT THE GRADING HAS BEEN COMPLETED PER THE APPROVED PLAN, AND A COMPACTION REPORT FROM THE SOILS ENGINEER FOR FILL AREAS ARE REQUIRED PRIOR TO BUILDING PERMITS BEING ISSUED.
  - ALL PROVISIONS OF THE PRELIMINARY SOILS REPORT



**NOTICE TO CONTRACTOR**

THE EXISTENCE OR LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAVE BEEN OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXISTENCE OF ALL UTILITY LINES PRIOR TO CONSTRUCTION.

**TWO WORKING DAYS BEFORE YOU DIG**  
**CALL U.S.A. TOLL FREE**  
 800-422-4133



**Owner:**  
 County of Riverside  
 Department of Building Services  
 3133 7th Street  
 Riverside, CA 92507

**Soils Engineer:**  
 C.H. J. Materials Lab Inc.  
 1355 E. Cooley Dr.  
 Colton CA 92424



- Construction Notes:**
- Install 8" x 24" Sch. 40 pipe.
  - Construct 9" area drain, A-338-4 Althabra Foundry or equivalent.
  - Construct 12" x 18" catch basin No. 1218-Brinks Product or equivalent w/ Parkway Gate wt. 46 #
  - Construct 24" x 24" catch basin, No. 2424 Brinks Product or equivalent w/ Traffic Gate wt. 150 #.
  - Construct 6" conc. curb, Type II, per C.R. Sta. No. 200.
  - Construct 6" conc. curb & gutter, Type I, per C.R. Sta. No. 200.
  - Construct 4" P.C.C. valley gutter per C.R. Sta. No. 110.
  - Construct 3" P.C.C. valley gutter per Detail 'B'.
  - Construct 3" A.C. over 5" crushed A.B. per S.R. No. 1358.
  - Construct 3" A.C. over 10" crushed A.B. per S.R. No. 1358.
  - Construct 6" A.C.C. over compacted native per S.R. No. 1358.
  - Protect in place.
  - Remove item shown.

**Topography:**  
 Based on Riverside County Survey dated 6/11/91.  
 (Doug Beecroft L.S. 4502, R.C.E.B. 630/41)  
 B R.C.F.B. 1005/41)

**Benchmark:**  
 P.M. Nail and City Eng. tag, in W by C.B. wing,  
 7' E. of N.E. curb. ret. of 3rd St. at Kansas Ave.  
 I-7-M  
 Elev. = 901.360

In The City of Riverside, California

**GRADING PLAN, Bldg. Permit**

3021 Franklin Ave.

Legal: Subdivision No. 11-12, Unit No. 2, Shown by map on file in Book 34 Page 38 of Maps, Riverside County Records.

W.O.: 0-16 Scale: 1" = 20'

City of Riverside, Electric  
 App. by: Wm. D. Brock Date: 11/21/91

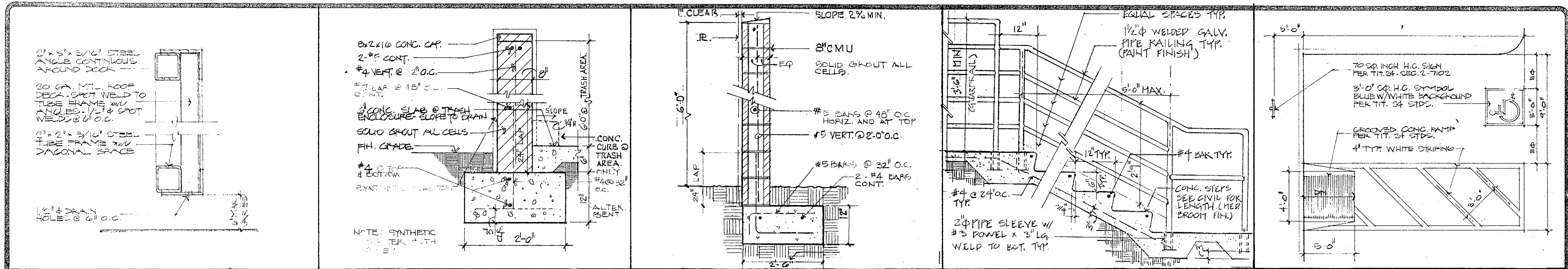
Planning Dept. E.P.C. review not required.  
 Date: 11/19/91

Approved by: ROBERT L. TAYLOR R.C.E. 10470  
 C.R. BUS. TAG. NO. 002384 EXP. 12/31/92

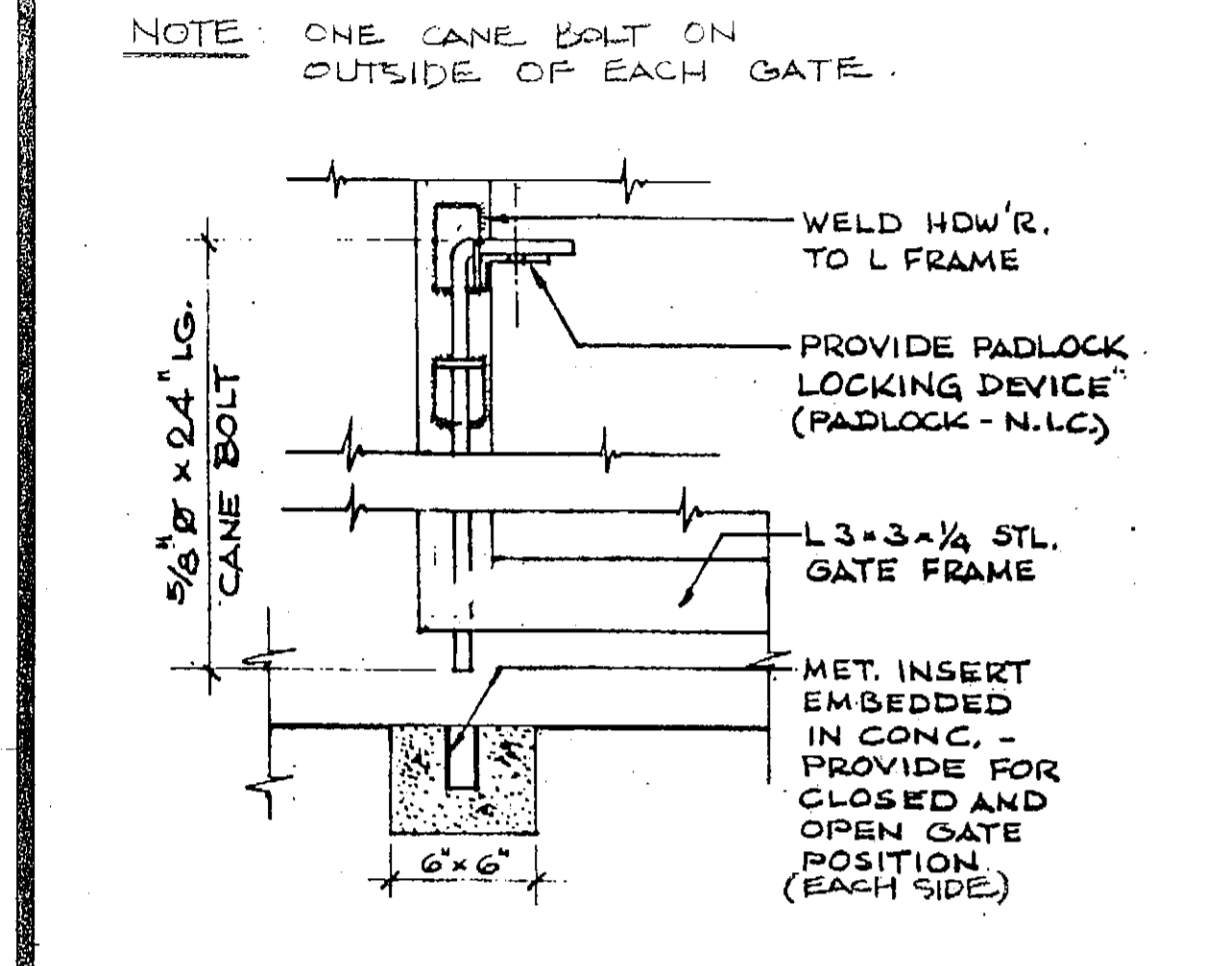
ROBERT L. TAYLOR - Civil Engineer  
 R.C.E. 10470  
 5830 Magnolia Ave.  
 Riverside, CA 92506 (714) 693-0617

Approved by: ROBERT L. TAYLOR R.C.E. 10470  
 Date: 12/24/91

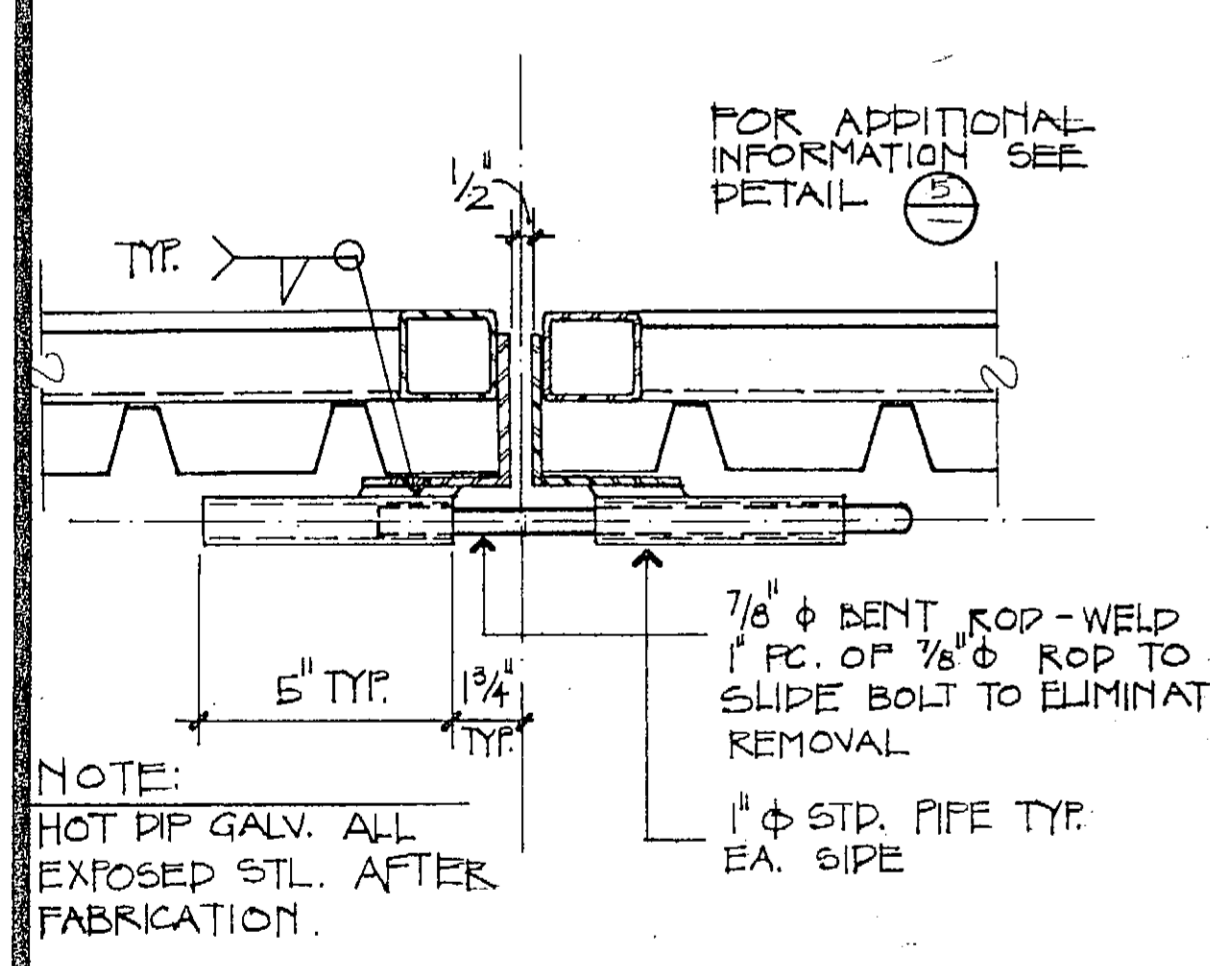
PRELIMINARY



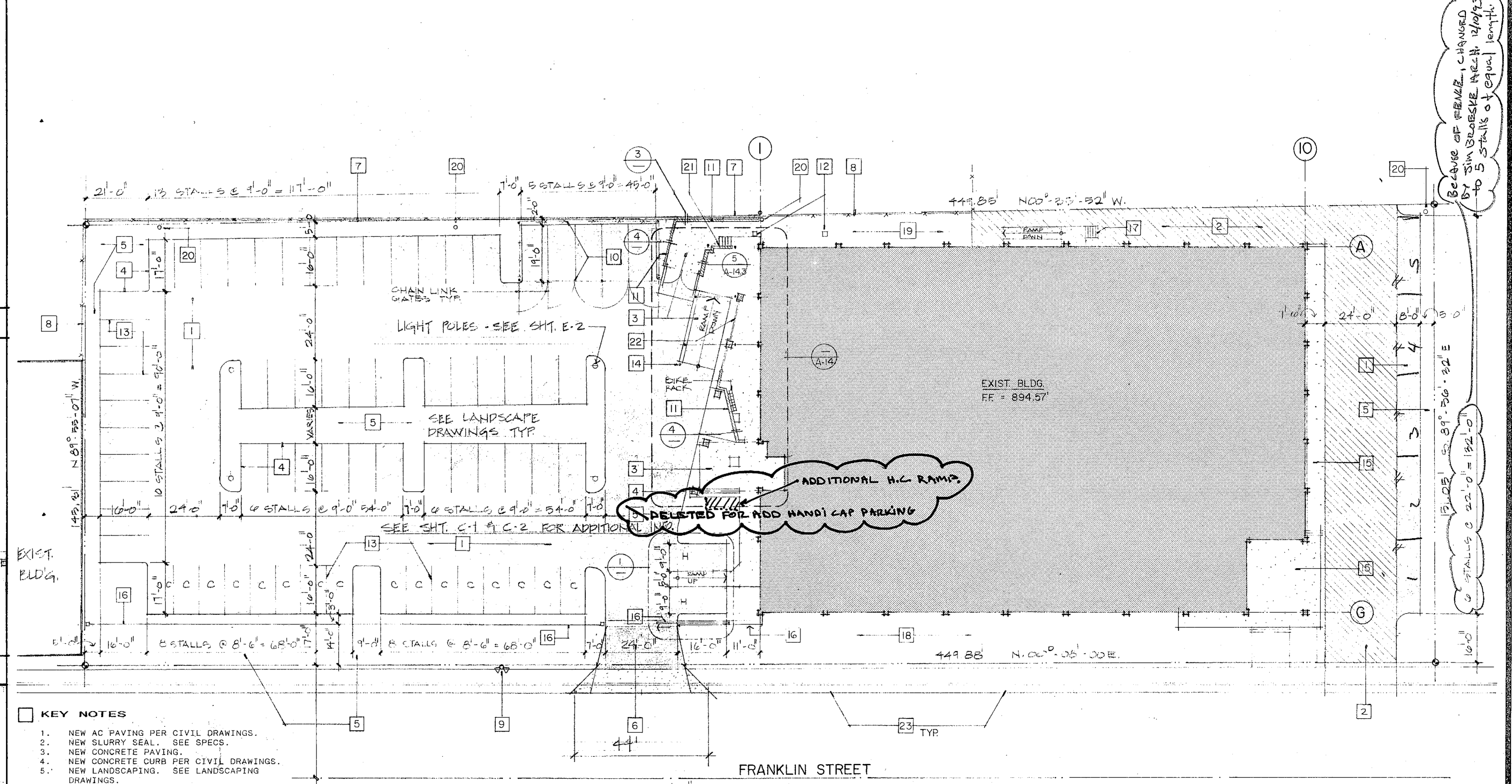
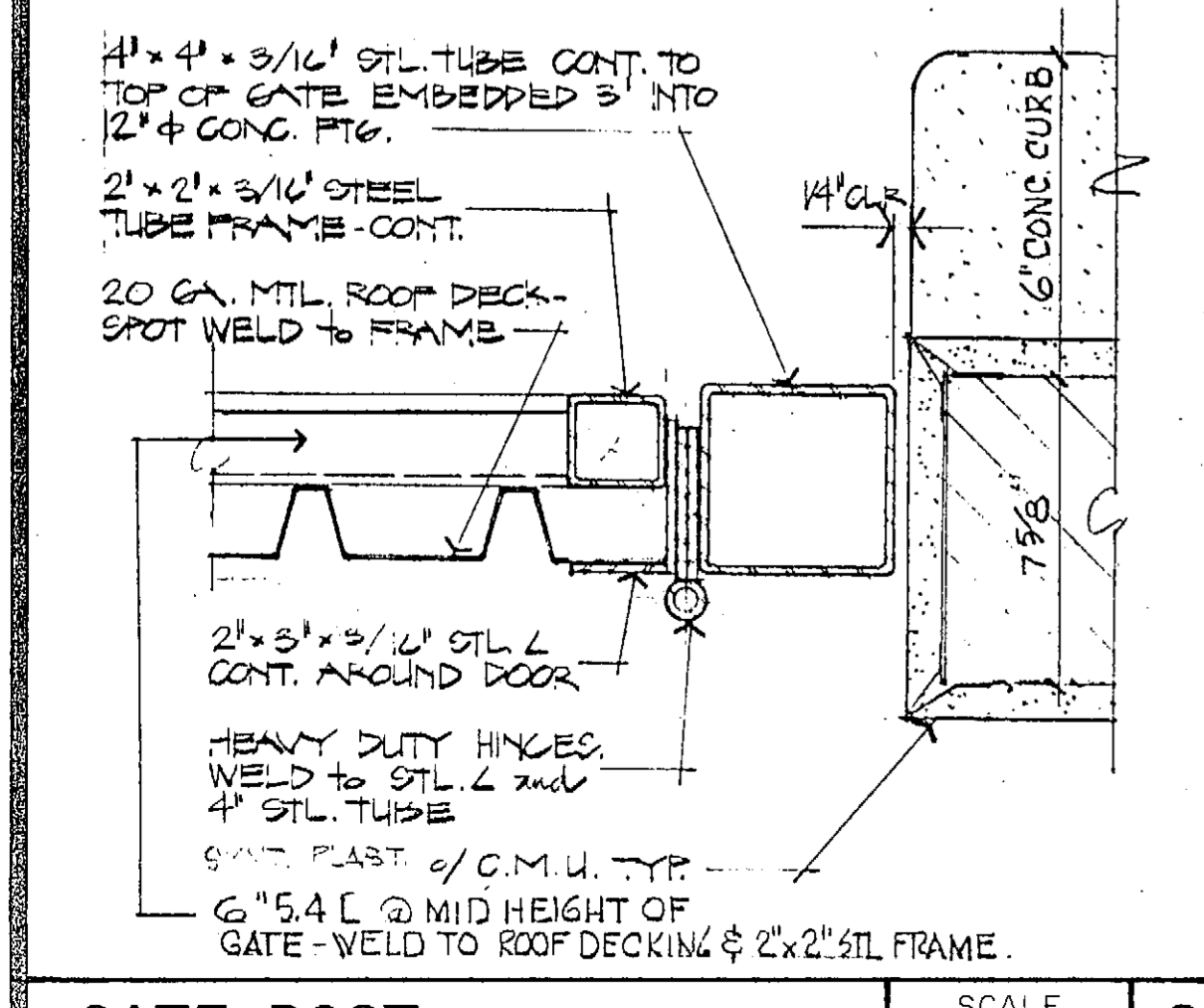
GATE SECTION SCALE 3" = 1'-0" 5  
 CONC. BLOCK WALL SCALE 1" = 1'-0" 4  
 CONC. BLOCK AT PROP. LINE SCALE N.T.S. 3  
 STL. PIPE DETAIL SCALE N.T.S. 2  
 HANDICAP PARKING STALL SCALE N.T.S. 1



CANE BOLT SCALE 1 1/2" = 1'-0" 6



BOLT LATCH SCALE 3" = 1'-0" 7



SITE PLAN SCALE 1" = 20'-0" 9

REVISIONS	BY

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DRAWN	R.A.M.
CHECKED	J.P.
DATE	12-13-91
SCALE	1" = 20'-0"
JOB NO.	910024
SHEET	A-1

**ARCHITECT**  
 JAMES L. BROESKE  
 License No. 15153  
 State of California  
 Ren 11/94



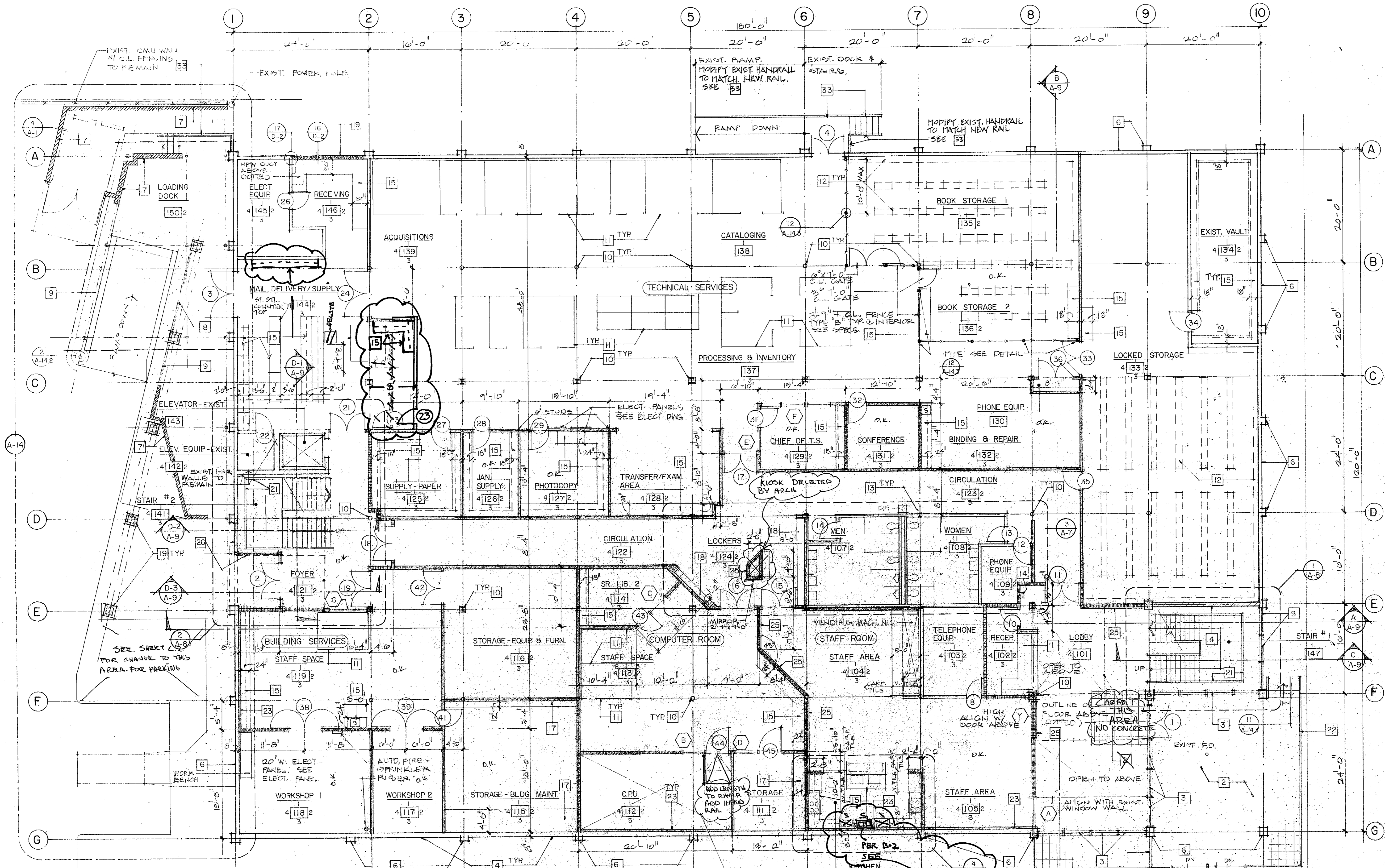
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DRAWN	CHECKED	DATE	SCALE	JOB NO.	SHEET
		12-12-91	1/8" = 1'-0"	91002	A-2



**LEGEND**

STUD WALL WITH 1/2" BATT INSUL.

1" HR. RATED WALL PER UBC TABLE 4B-2 ITEM 1B-1

NONE BEARING PARTITION, MT. STUDS @ 24" O.C. W/ 3/8" TYP. BRD.

2" MT. STUDS @ 24" O.C. W/ 3/8" GYP BRD. FURRING OVER EXIST. TILT UP CONC. WALLS.

1" HR. RATED "SMART WALL" FINISHED 2" SIDE

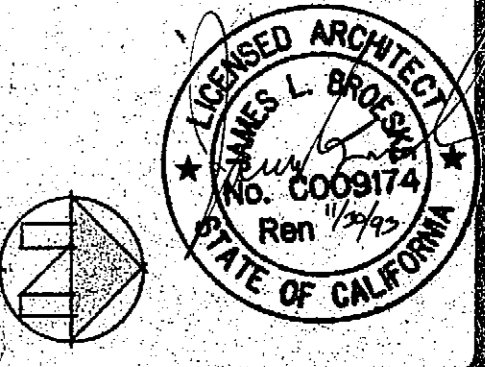
EXISTING MTL FRAMED DEMOUNTABLE PARTITION REMOVE EXISTING FINISH PANELS & INSTALL 3/8" TYPE X GYP BRD. EACH SIDE (NEW 1-HR RATED WALL).

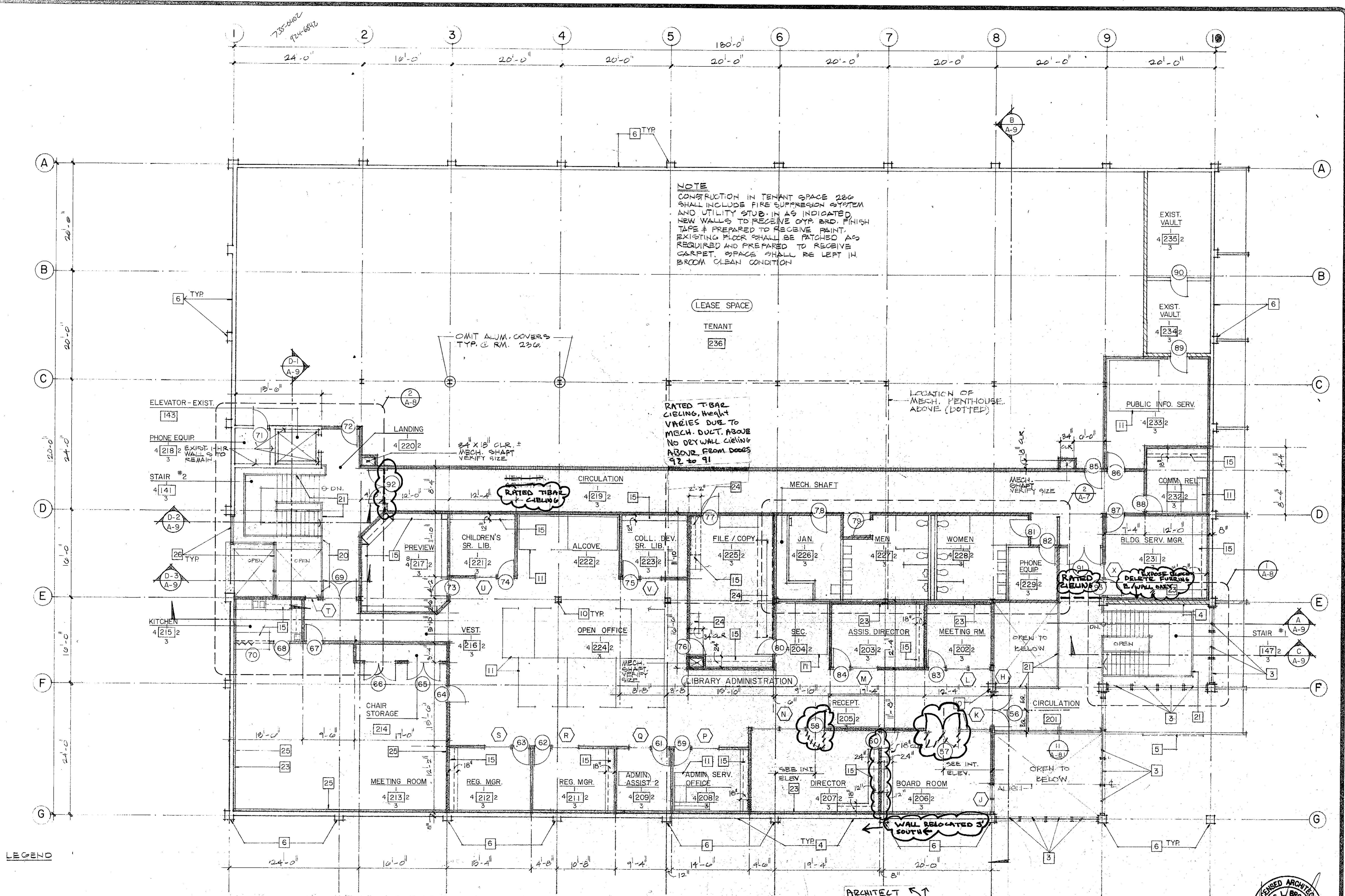
NEW STUD WALLS TO BE 4" METAL STUDS TYP. UNO.

WE USE COMPUTER FLOORING PROVIDED BY OWNER. INSTALL BY CONTRACTOR. (EQUIPMENT THIS AREA TO BE INSTALLED BY OWNER.)

NOTE:  
 FOR PLAN KEYNOTES  
 SEE SHEET A-B

FIRST FLOOR PLAN SCALE 1/8" = 1'-0"





**NOTE**  
 CONSTRUCTION IN TENANT SPACE 286 SHALL INCLUDE FIRE SUPPRESSION SYSTEM AND UTILITY STUB-IN AS INDICATED. NEW WALLS TO RECEIVE GYP. BRD. FINISH TAPE & PREPARED TO RECEIVE PAINT. EXISTING FLOOR SHALL BE PATCHED AS REQUIRED AND PREPARED TO RECEIVE CARPET. SPACE SHALL BE LEFT IN BROOM CLEAN CONDITION.

LEASE SPACE  
 TENANT  
 236

RATED T-BAR CEILING, HEIGHT VARIES DUE TO MECH. DUCT ABOVE. NO DRYWALL CEILING ABOVE FROM DOORS 92 TO 91.

LOCATION OF MECH. PENTHOUSE ABOVE (DOTTED)

RATED ZIEUNA

EXPOSED CLUTTER DELETE FURNING E. WALL ONLY

WALL RELOCATED SOUTH

ARCHITECT  
 SIM BROESKE  
 CHANGE DOOR SWINGS 02/18/93  
 Doors 57 + 58

**NOTE:**  
 REPAIR AND/OR REPLACE FLOOR SHT'G. AS REQUIRED TO PATCH EXIST. HOLES TYP. FOR PLAN KEYNOTES, SEE SHT. A-5

- LEGEND**
- 1- HR. RATED WALL PER UBC TABLE 43-B ITEM # 15-1.1
  - NONE BEARING PARTITION, MTL STUDS @ 24" O.C. W/ 3/8" GYP. BRD.
  - 2- MTL STUDS @ 24" O.C. W/ 5/8" GYP. BRD. FURRING OVER EXIST. TILT-UP CONC. WALLS.
  - 1- HR. RATED "SHAFT WALL" FINISHED ONE SIDE

STUD WALL WITH R-11 BATT. INSUL.  
 EXIST. MTL. FRAMED DEMOUNTABLE PARTITION. REMOVE EXIST. FINISH PANELS & INSTALL 3/8" TYPE X GYP. BRD. EA. SIDE (1- HR. RATED WALL.)

SECOND FLOOR PLAN SCALE 1/8" = 1'-0"

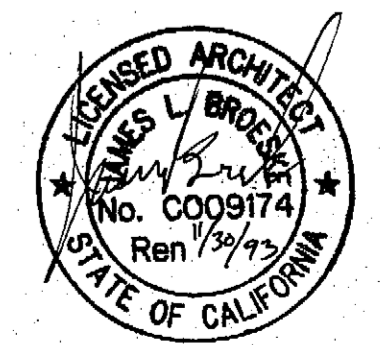
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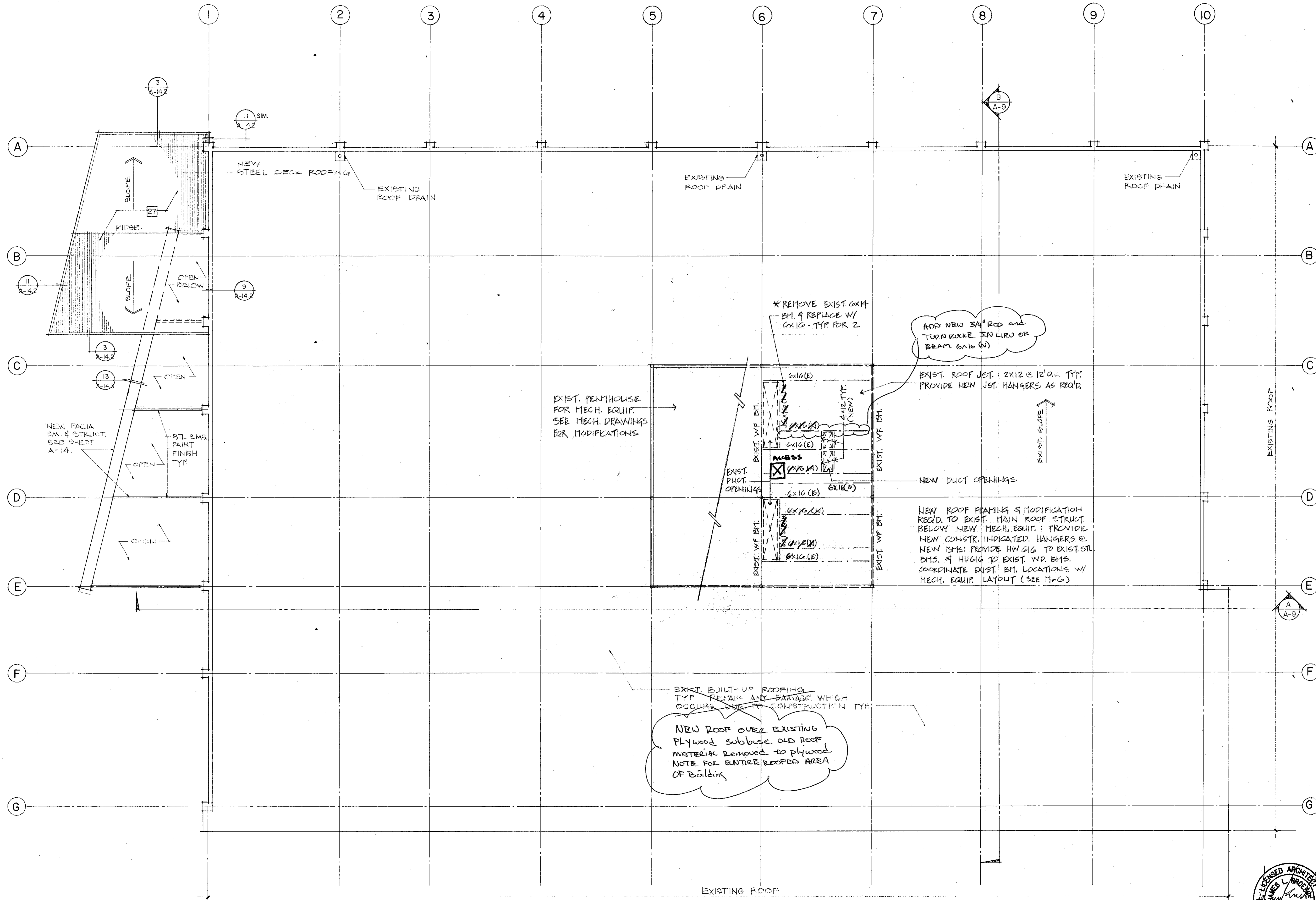
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CHECKED	
DATE	12-12-91
SCALE	1/8" = 1'-0"
JOB NO.	11003
SHEET	A-3





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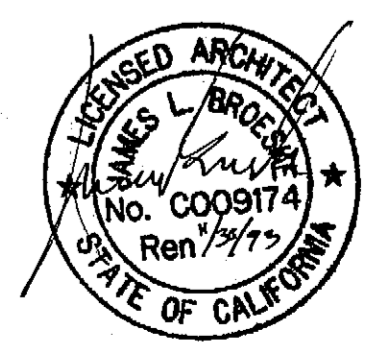
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 Riverside, Ca.

DRAWN	RMA BH
CHECKED	J.E.
DATE	12-12-11
SCALE	1/8" = 1'-0"
JOB NO.	11002
SHEET	

A-4  
 OF SHEETS

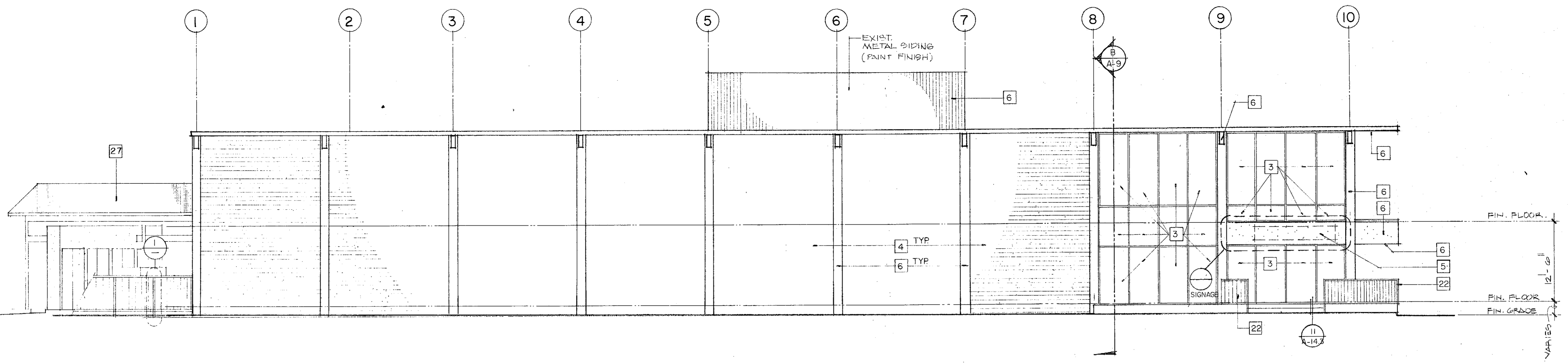


ROOF PLAN SCALE 1/8" = 1'-0"

REVISIONS	BY

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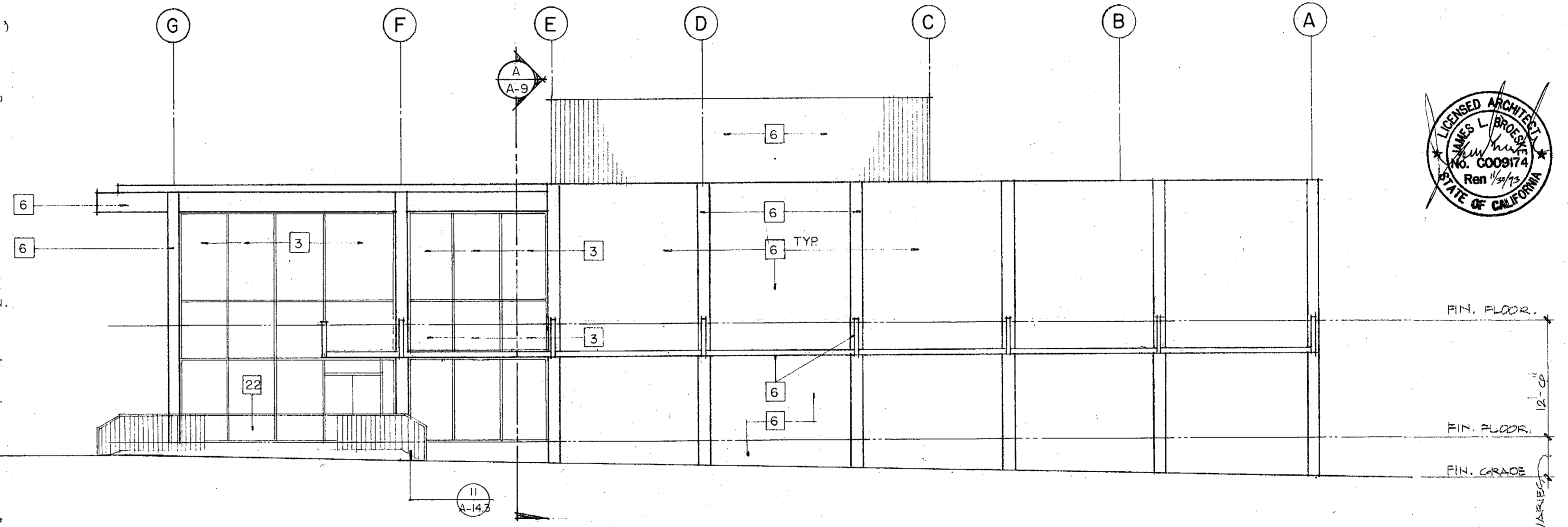
**KROH/BROESKE ARCHITECTS, INC.**  
 6180 Bockton Ave., Ste. 104, Riverside, CA 92506 (714) 788-5940



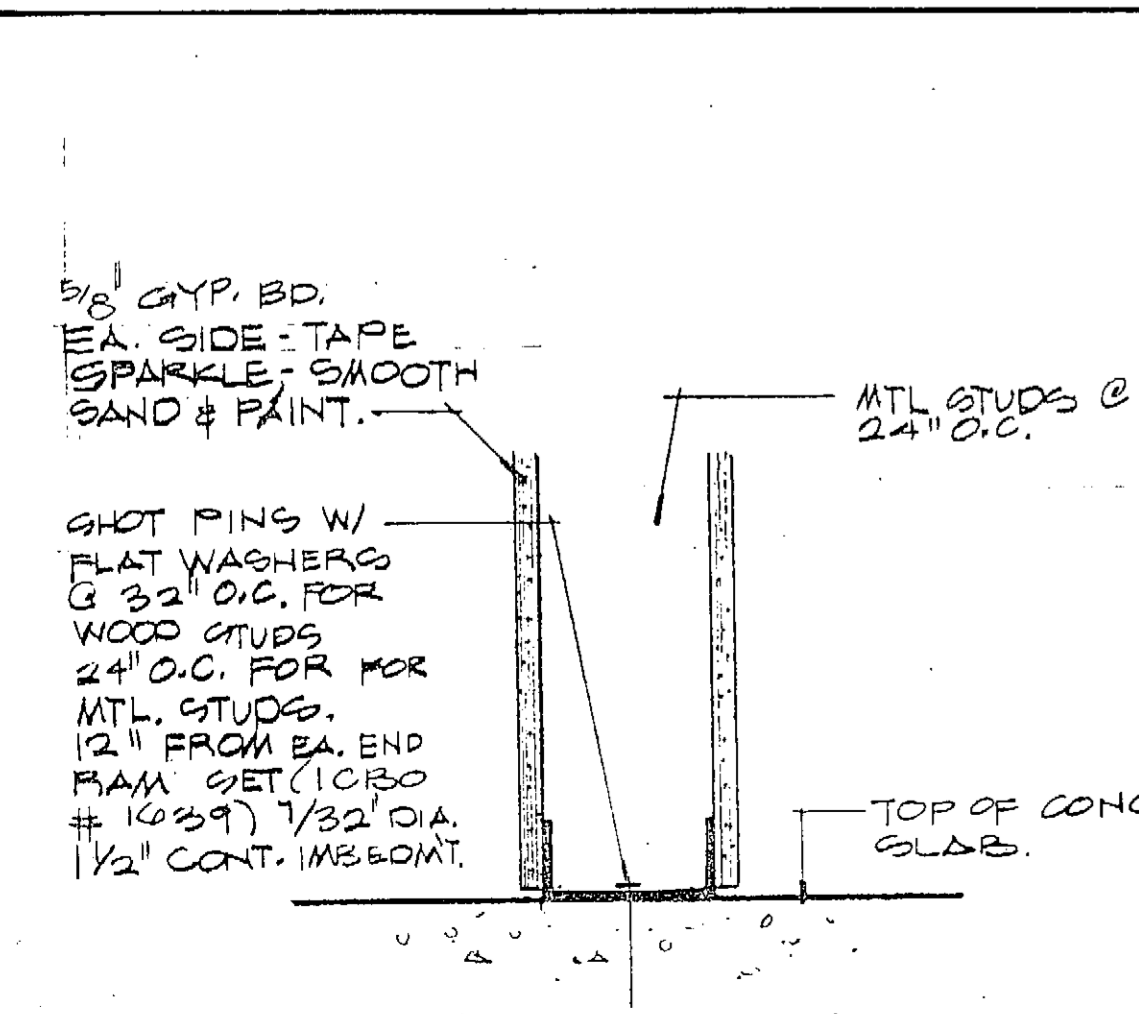
**EAST ELEVATION** SCALE 1/8" = 1'-0"

**TYPICAL KEY NOTES FOR FLOOR PLANS, EXTERIOR ELEVATIONS AND SECTIONS**

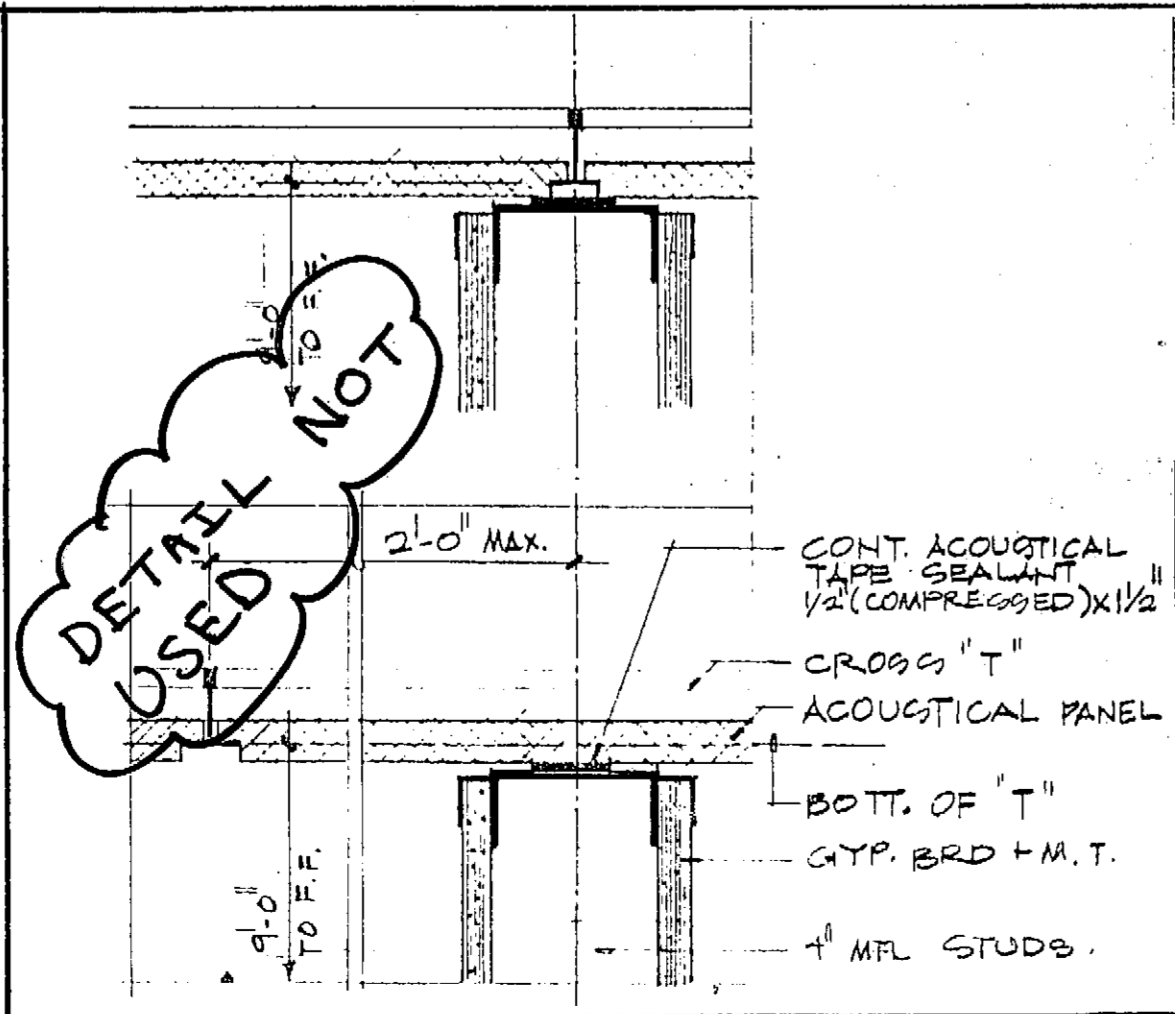
- (ALL ITEMS ARE CONSIDERED NEW AND IN CONTRACT UNLESS NOTED OTHERWISE.)
- EXISTING, RECEPTION DESK: CONTRACTOR TO REFINISH PER INTERIOR ELEVATIONS.
  - EXIST. SCORED CONC. TO REMAIN: CLEAN STAIN FREE.
  - EXIST. WINDOW WALL TO REMAIN: PAINT ALL EXISTING METAL AND REPLACE ALL BROKEN GLASS WITH TINTED TO MATCH EXISTING (TEMPERED AS REQUIRED).
  - EXIST. SPLIT FACE CONC. BLOCK (HIGH PRESSURE WATER WASH, NO PAINT).
  - REMOVE EXISTING BLDG. SIGN: PATCH AND FINISH AREA TO MATCH EXISTING. PROVIDE NEW BLDG. SIGN PER SPECS.
  - PAINT ALL EXISTING EXTERIOR FINISHES: PATCH AND REPAIR ALL MATERIALS AS REQUIRED. (SEE PAINT SCHEDULE IN SPECS.) (U.N.O.)
  - 8" CMU WALL: SYNTH. PLAST. FINISH ALL SIDE. (U.N.O.)
  - REMOVABLE G.I. PIPE GUARDRAIL, SEE DETAIL 9/A-14.3.
  - FIXED G.I. PIPE GUARDRAIL, SEE DETAIL 9/A-14.3.
  - EXPANDED ALUM. COLUMN COVERS: (PROVIDE ROUND OVER EXIST. ROUND COLUMNS AND SQUARE OVER EXISTING "I" SECTIONS AT ALL EXIST. COLUMNS NOT CONCEALED WITHIN WALLS.) ~~DELETED PER ADDENDUM.~~
  - NEW SYSTEMS FURNITURE LOCATIONS. (N.I.C.)
  - METAL BOOK SHELF LOCATIONS. (N.I.C.)
  - FURRING AND DRYWALL OVER EXIST. STL. COLUMNS AT WALLS.
  - PUBLIC TELEPHONE (N.I.C.). CONTRACTOR TO COORDINATE INSTALLATION.
  - CABINETRY: SEE INTERIOR ELEVATION.
  - 
  - FIXED HEAVY DUTY STORAGE SHELVES (WOOD).
  - LOCKERS. SEE SPECS.
  - NEW STUD WALL WITH SYNTHETIC PLASTER AT EXTERIOR AND GYP. BD. AT INTERIOR FINISHES.
  - NEW GUARDRAIL. SEE DETAIL 11/A-8.1.
  - MODIFY EXISTING GUARDRAIL: PER DETAIL 10/A-8.1 AT STAIR HANDRAIL AND PER DETAIL 14/A-8.1 AT GUARDRAIL.
  - EXIST. GUARDRAIL TO REMAIN.
  - FURRED WALL OVER EXIST. WALL.
  - EXIST. FURNITURE/CABTS. TO BE RELOCATED BY OWNER. (N.I.C.)
  - TACK OR CHALK BOARD PER INTERIOR ELEVATIONS.
  - NEW ALUMINUM STORE FRONT WITH TINTED GLASS: TEMPERED WHERE REQUIRED. (PAINT FINISH.)
  - DOCK COVER STRUCTURE. SEE DETAIL A-14 (PAINT FINISH).
  - SYNTHETIC PLASTER FINISH.
  - 
  - 2' X 4' T-BAR CEILING SYSTEM: RE-USE EXIST. PANELS AND/OR PROVIDE NEW PANELS TO COMPLETE THE LAYOUT AS REQUIRED. (PROVIDE NEW SUSPENSION SYSTEM PER DETAIL 1/A-7.
  - 
  - HOLLOW METAL WINDOW AND/OR DOOR FRAME (WITH TEMPERED GLASS AS REQUIRED).
  - NEW G.I. PIPE HANDRAIL. SEE DETAIL 2/A-1 (GUARDRAIL SIMILAR).



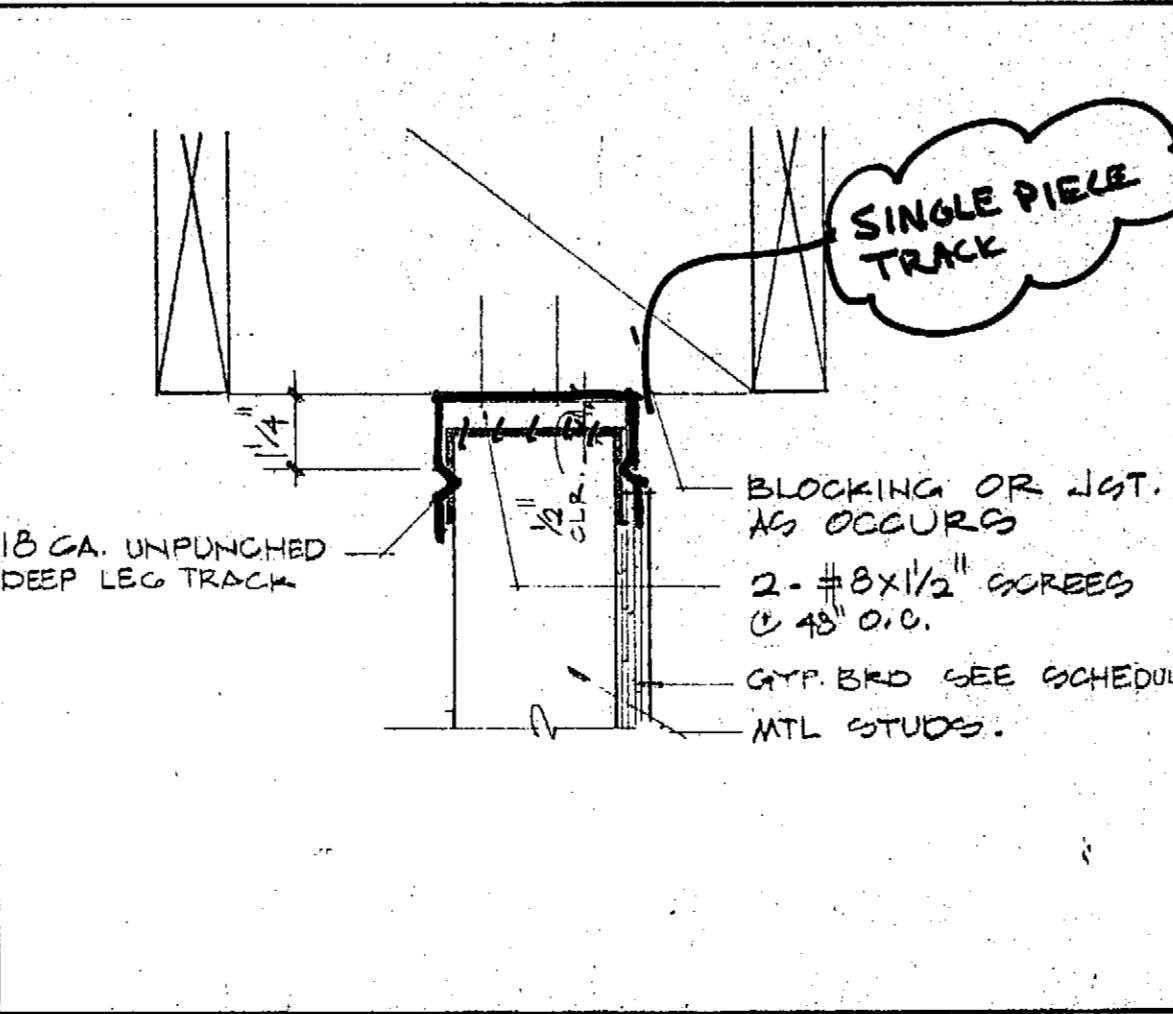
**NORTH ELEVATION** SCALE 1/8" = 1'-0"



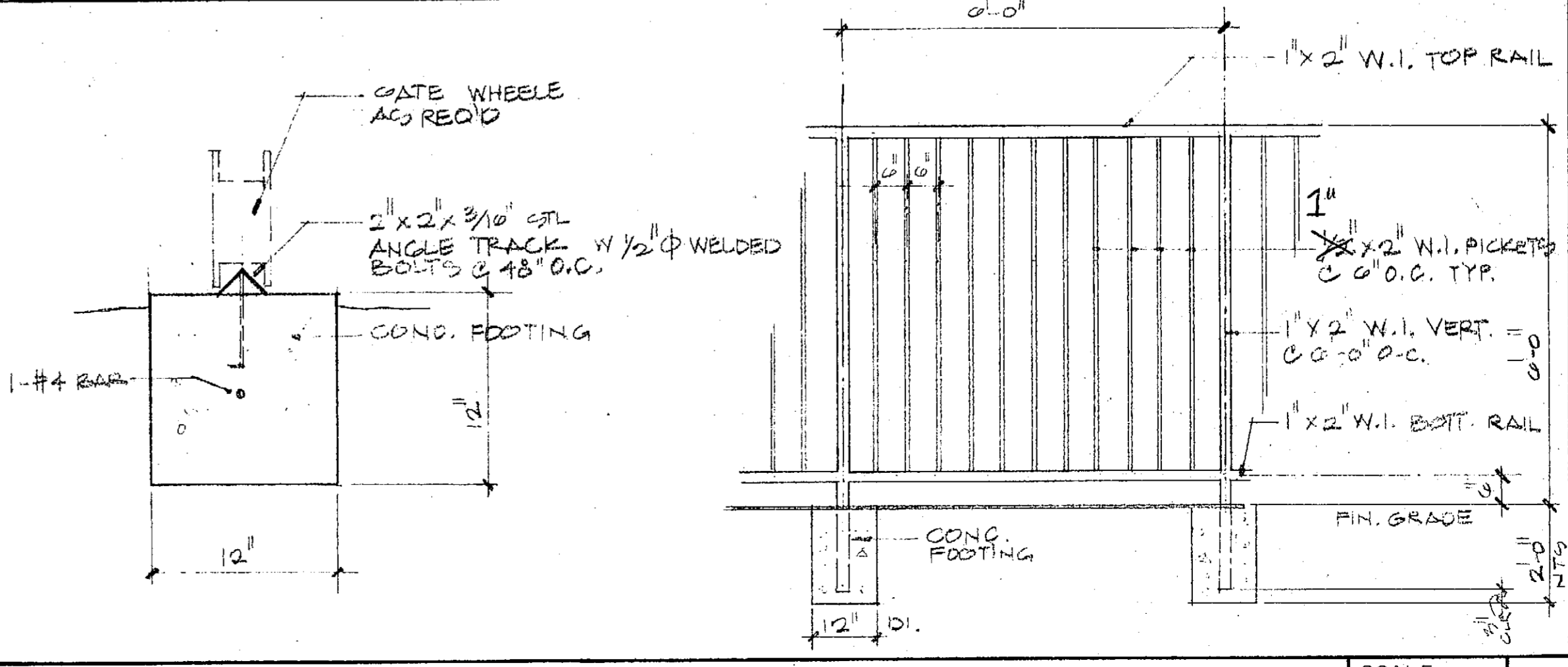
**WALL AT FLOOR** SCALE 1 1/2" = 1'-0" 4



**WALL AT "T" BAR** SCALE 1 1/2" = 1'-0" 3



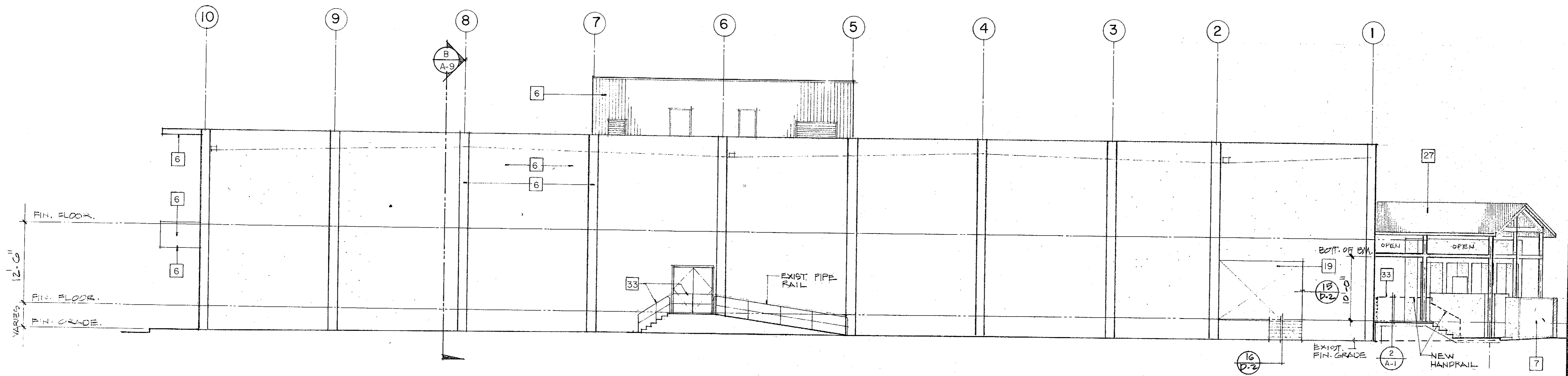
**WALL AT STRUCTURE ABOVE** SCALE 3" = 1'-0" 2



**W.I. FENCE / GATE.** SCALE N.T.S. 1

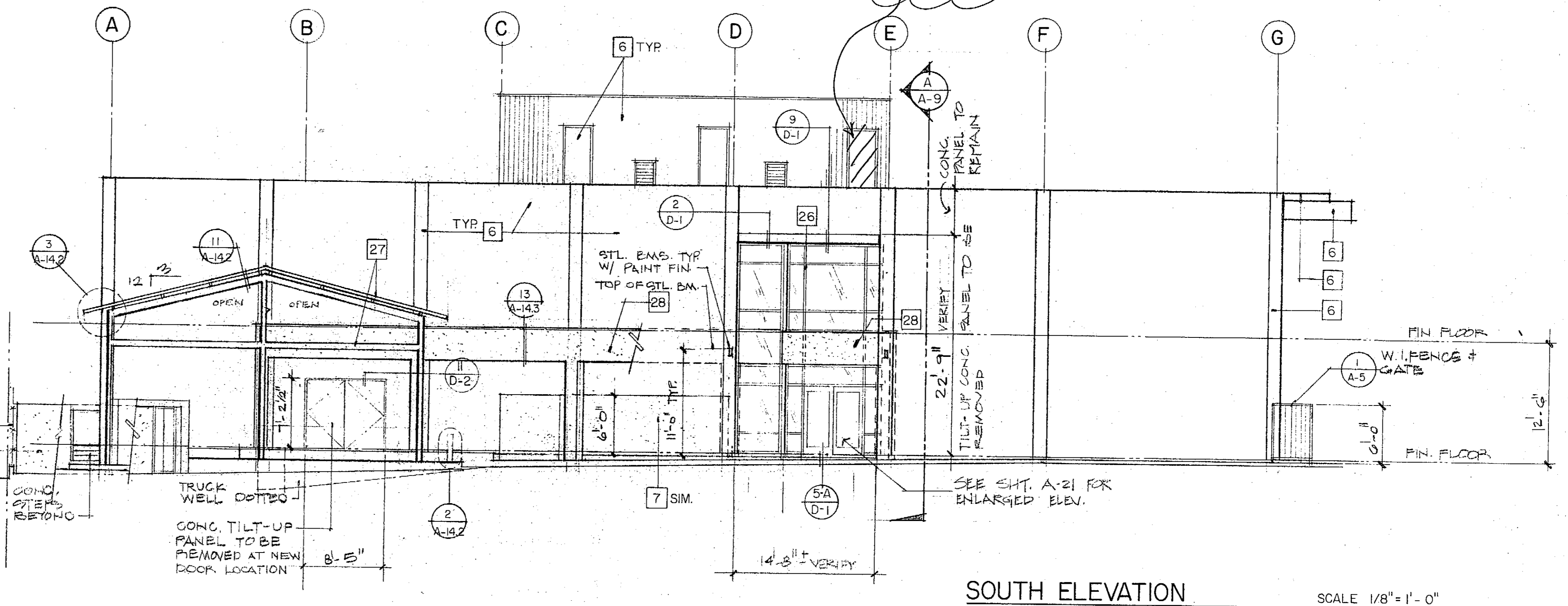
**RIVERSIDE Library Headquarters**  
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 Riverside, Ca.

DRAWN	EH/RA
CHECKED	JE
DATE	12-13-11
SCALE	AS NOTED
JOB NO.	91002
SHEET	A-5
OF	SHEETS



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

- TYPICAL KEY NOTES FOR FLOOR PLANS, EXTERIOR ELEVATIONS AND SECTIONS  
(ALL ITEMS ARE CONSIDERED NEW AND IN CONTRACT UNLESS NOTED OTHERWISE.)
1. EXISTING RECEPTION DESK: CONTRACTOR TO REFINISH PER INTERIOR ELEVATIONS.
  2. EXIST. SCORED CONC. TO REMAIN: CLEAN STAIN FREE.
  3. EXIST. WINDOW WALL TO REMAIN: PAINT ALL EXISTING METAL AND REPLACE ALL BROKEN GLASS WITH TINTED TO MATCH EXISTING (TEMPERED AS REQUIRED).
  4. EXIST. SPLIT FACE CONC. BLOCK (HIGH PRESSURE WATER WASH, NO PAINT).
  5. REMOVE EXISTING BLDG. SIGN: PATCH AND FINISH AREA TO MATCH EXISTING. PROVIDE NEW BLDG. SIGN PER SPECS.
  6. PAINT ALL EXISTING EXTERIOR FINISHES: PATCH AND REPAIR ALL MATERIALS AS REQUIRED. (SEE PAINT SCHEDULE IN SPECS.) (U.N.O.)
  7. 8" CMU WALL: SYNTH. PLAST. FINISH ALL SIDE. (U.N.O.)
  8. REMOVABLE G.I. PIPE GUARDRAIL. SEE DETAIL 9/A-14.3.
  9. FIXED G.I. PIPE GUARDRAIL. SEE DETAIL 9/A-14.3.
  10. EXTRUDED ALUM. COLUMN COVERS: (PROVIDE ROUND OVER EXIST. ROUND COLUMNS AND SQUARE OVER EXISTING "I" SECTIONS AT ALL EXIST. COLUMNS NOT CONCEALED WITHIN WALLS.)
  11. NEW SYSTEMS FURNITURE LOCATIONS. (N.I.C.)
  12. METAL BOOK SHELF LOCATIONS. (N.I.C.)
  13. FURRING AND DRYWALL OVER EXIST. STL. COLUMNS AT WALLS.
  14. PUBLIC TELEPHONE (N.I.C.). CONTRACTOR TO COORDINATE INSTALLATION.
  15. CABINETS: SEE INTERIOR ELEVATION.
  - 16.
  17. FIXED HEAVY DUTY STORAGE SHELVES (WOOD).
  18. LOCKERS. SEE SPECS.
  19. NEW STUD WALL WITH SYNTHETIC PLASTER AT EXTERIOR AND GYP. BD. AT INTERIOR FINISHES.
  20. NEW GUARDRAIL. SEE DETAIL 11/A-8.1.
  21. MODIFY EXISTING GUARDRAIL: PER DETAIL 10/A-8.1 AT STAIR HANDRAIL AND PER DETAIL 14/A-8.1 AT GUARDRAIL.
  22. EXIST. GUARDRAIL TO REMAIN.
  23. FURRED WALL OVER EXIST. WALL.
  24. EXIST. FURNITURE/CABINETS. TO BE RELOCATED BY OWNER. (N.I.C.)
  25. TACK OR CHALK BOARD PER INTERIOR ELEVATIONS.
  26. NEW ALUMINUM STORE FRONT WITH TINTED GLASS; TEMPERED WHERE REQUIRED. (PAINT FINISH.)
  27. DOCK COVER STRUCTURE. SEE DETAIL A-14 (PAINT FINISH).
  28. SYNTHETIC PLASTER FINISH.
  - 29.
  30. 2'x4' T-BAR CEILING SYSTEM: RE-USE EXIST. PANELS AND/OR PROVIDE NEW PANELS TO COMPLETE THE LAYOUT AS REQUIRED. (PROVIDE NEW SUSPENSION SYSTEM PER DETAIL 1/A-7.
  - 31.
  32. HOLLOW METAL WINDOW AND/OR DOOR FRAME (WITH TEMPERED GLASS AS REQUIRED).
  33. NEW G.I. PIPE HANDRAIL. SEE DETAIL 2/A-1 (GUARDRAIL SIMILAR).



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

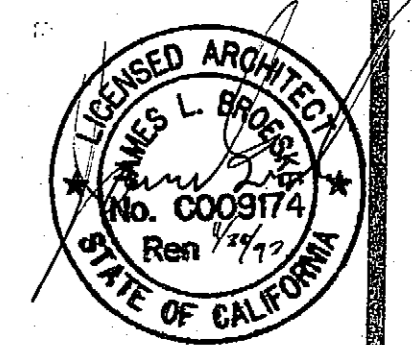
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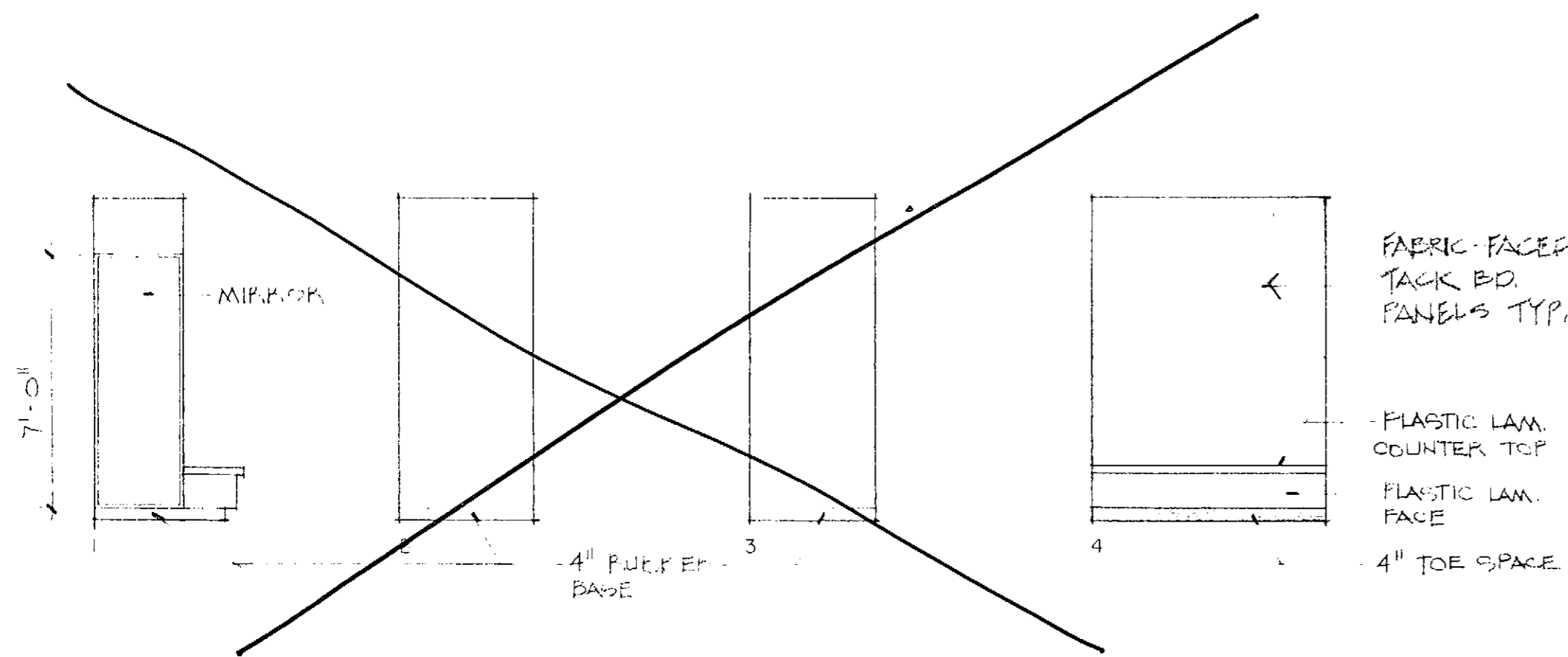
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A-6

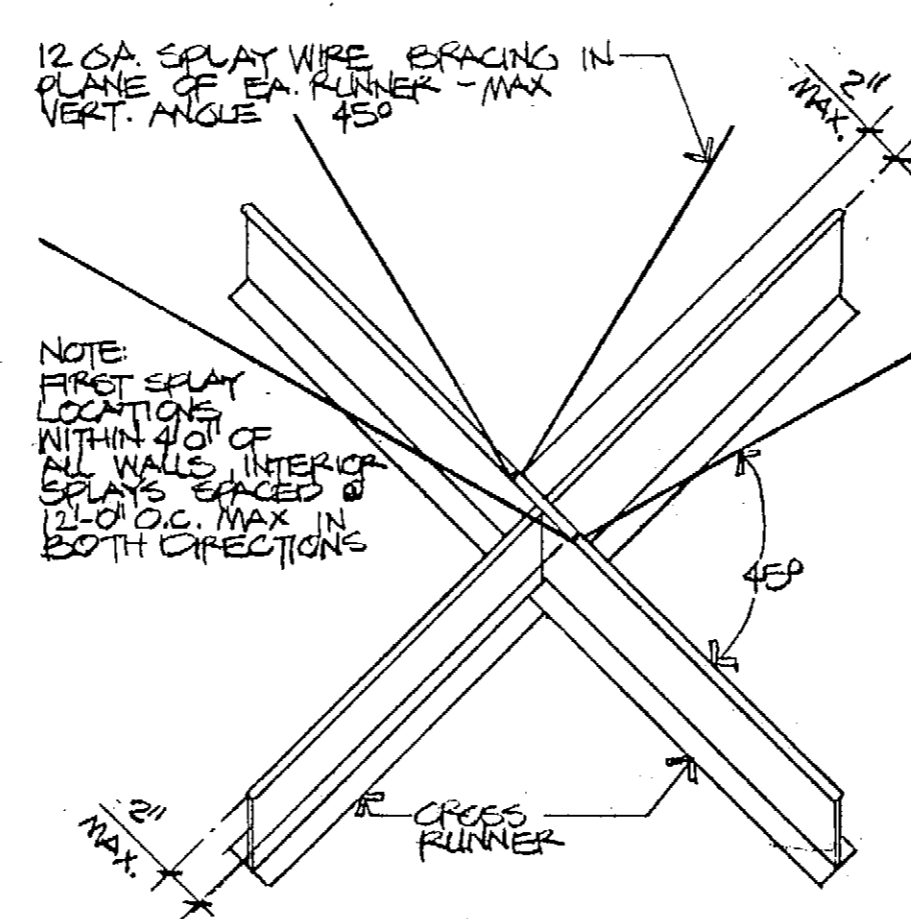


FABRIC-FACED  
TACK B.D.  
PANELS TYP.

PLASTIC LAM.  
COUNTER TOP

PLASTIC LAM.  
FACE

4" TOE SPACE



NOTE:  
FIRST SPLAY  
LOCATIONS  
WITHIN 4'-0"  
OF WALLS. INTERIOR  
SPACES SPACED BY  
12'-0" O.C. MAX IN  
BOTH DIRECTIONS

Suspended Acoustical Ceiling Notes:

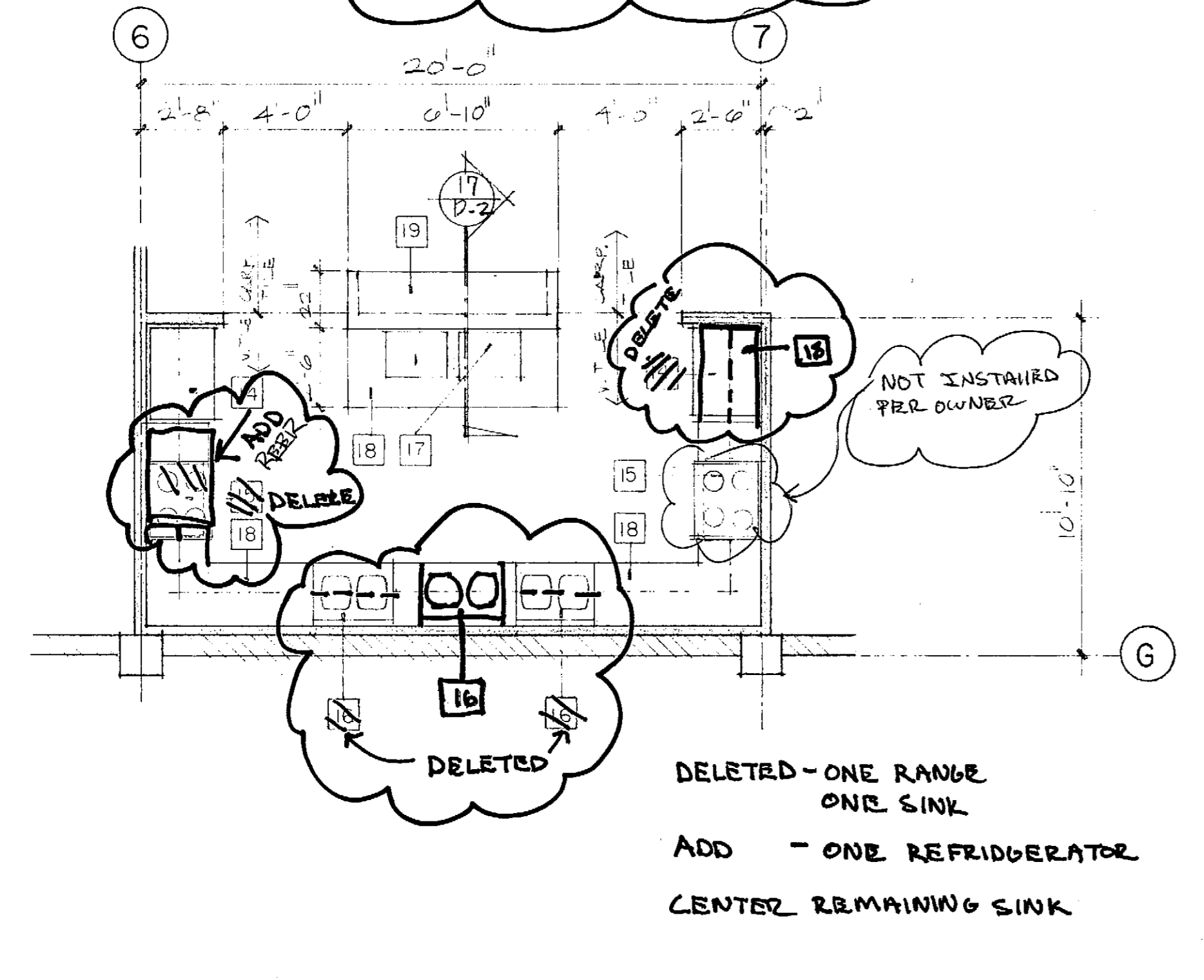
- Hanger wires shall be #12 ga. for 4'-0" x 4'-0" spacing or #10 ga. for 5'-0" x 5'-0" spacing.
- Hanger wires shall be provided for all main runners and cross runners within 8" of ceiling perimeters.
- Hanger wires that are more than 1 in 6 out of plumb shall have counterbraced wires.
- Ceiling grid may be attached to 2 adjacent walls; the ceiling must be at least 1/2 inch free of other walls.
- Cross runners over 12" long and all main runners not connected to walls must be interconnected near the free end with #16 ga. tie wire or a metal strut securely attached to prevent spreading.
- A set of 4 "splay" wires shall be provided for each 100 s.f. unless other specially designed and detailed bracing is provided. First set of splay wires shall be 5'-0" from any wall. Wires shall be taut without causing ceiling to lift.
- Hanger wires must be fastened with not less than 3 tight turns. Splay wires must have 4 tight turns for 12 ga. or 3 tight turns for #10 ga.
- All ceiling wires and unbraced ducts, pipes, etc. must be separated by at least 6".
- When drilled in concrete anchors are used for ceiling wire supports, 1 in 2 must be field tested for bracing wires. If any anchor fails, all anchors must be tested. The test load shall be twice the allowable load for the anchor.
- All light fixtures shall be attached to the ceiling grid to resist a horizontal force equal to the weight of the fixtures.
- Flush or recessed light fixtures and air terminals or services weighing less than 56 pounds may be supported on heavy duty grid but must have 2-#12 ga. slack safety wires from diagonal corners to the structure above.
- Flush or recessed light fixtures and air terminals or services weighing more than 56 pounds and all fixtures and air terminals or services in intermediate duty grid must be independently supported by not less than 4 taut #12 ga. wires capable of supporting 4-times the load.
- Surface mounted light fixtures shall be supported by at least two positive clamping devices made of #14 ga. minimum steel which surround the ceiling runner and supported to the structure above with a #12 ga. wire. Rotational spring clips are not acceptable.
- Pendant mounted light fixtures shall be supported directly to the structure above with hanger wires through each pendant capable of supporting 4 times the load.

INFORMATION KIOSK ELEVATIONS **KIOSK DELETED**

SCALE  
1/4" = 1'-0" 5

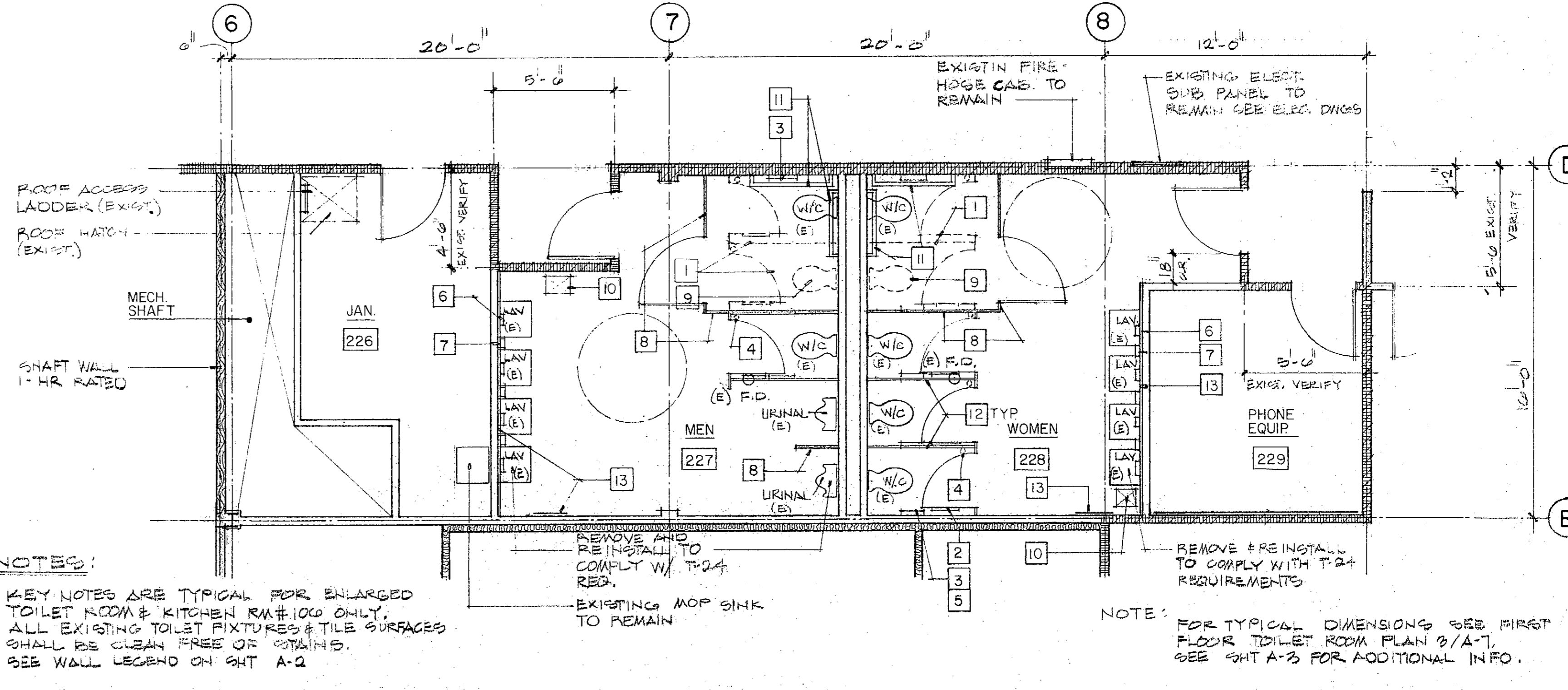
SUSPENDED T-BAR SYSTEM

SCALE  
N.T.S. 1



DELETED - ONE RANGE  
ONE SINK

ADD - ONE REFRIGERATOR  
CENTER REMAINING SINK



NOTES:

- KEY NOTES ARE TYPICAL FOR ENLARGED TOILET ROOM & KITCHEN RM #106 ONLY.
- ALL EXISTING TOILET FIXTURES & TILE SURFACES SHALL BE CLEAN FREE OF STAINS.
- SEE WALL LEGEND ON SHIT A-2

NOTE: FOR TYPICAL DIMENSIONS SEE FIRST FLOOR TOILET ROOM PLAN 3/A-7. SEE SHIT A-3 FOR ADDITIONAL INFO.

KITCHEN RM #106

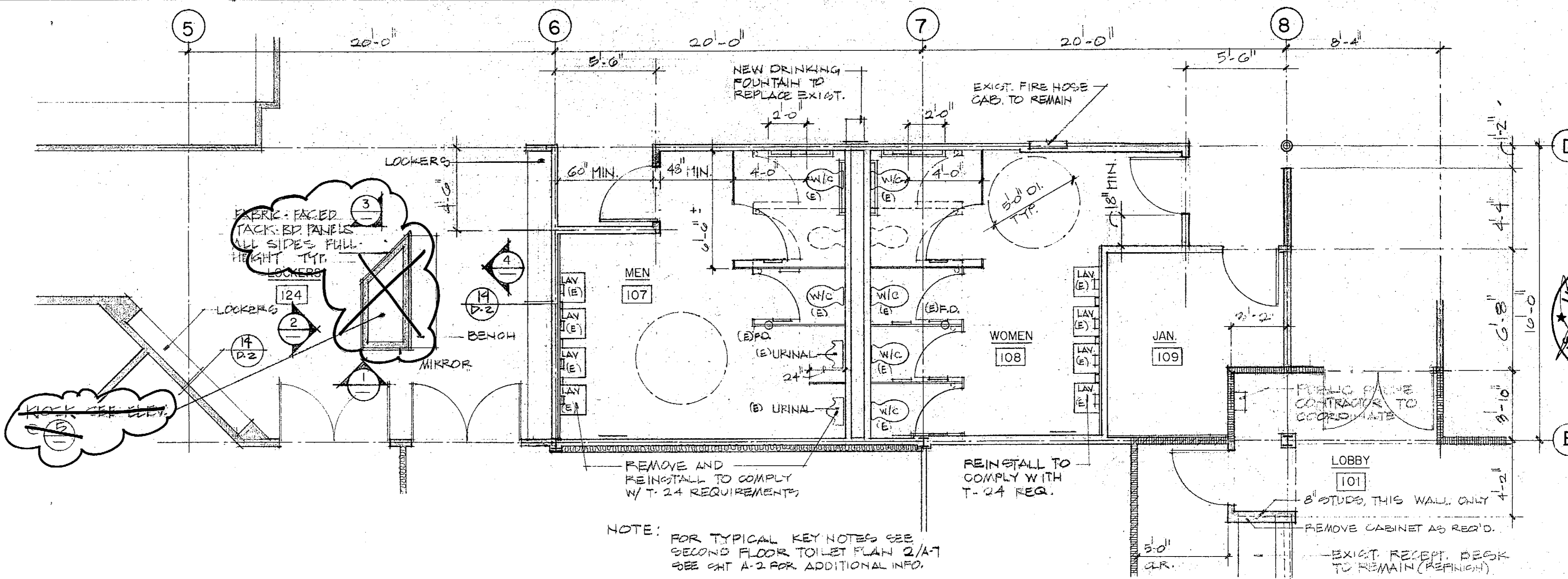
SCALE  
1/4" = 1'-0" 4

SECOND FLOOR TOILET PLAN

SCALE  
1/4" = 1'-0" 2

TOILET ROOMS AND KITCHEN PLANS ONLY

- REMOVE EXISTING METAL TOILET PARTITIONS AND DOORS AS INDICATED.
- REMOVE ALL EXISTING SEAT COVER DISPENSERS AND REPLACE WITH NEW.
- REMOVE EXISTING TOILET PAPER DISPENSERS AND REPLACE WITH NEW.
- REMOVE ALL EXISTING ASH TRAYS.
- PROVIDE NEW SANITARY NAPKIN DISPENSER, 1 PER STALL IN WOMEN'S RESTROOM ONLY.
- REMOVE EXISTING SOAP DISPENSER AND REPLACE WITH NEW.
- REMOVE EXISTING PAPER TOWEL DISPENSERS AND REPLACE WITH NEW.
- PROVIDE NEW METAL TOILET PARTITIONS AS INDICATED TO MATCH EXISTING. (CEILING HUNG) VERIFY
- REMOVE EXISTING WATER CLOSET. CAP ALL PLUMBING LINES, PATCH AND REPAIR TILE WORK TO MATCH EXISTING.
- PROVIDE NEW WASTE RECEPTACLE.
- PROVIDE NEW 1 1/2" DIA. GRAB BARS TO COMPLY WITH T-24 REQUIREMENTS.
- EXIST. PARTITIONS TO REMAIN. PAINT TO MATCH NEW PARTITIONS.
- NEW MIRROR. SEE INTERIOR ELEVATIONS.
- REFRIGERATOR WITH ICE MAKER.
- NATURAL GAS STOVE OVEN WITH EXHAUST HOOD ABOVE.
- DEL. SINK WITH GARBAGE DISPOSAL.
- MICROWAVE OVENS (2).
- PLASTIC LAM. COUNTER TOP AND CABINETS.
- PLASTIC LAM. MAGAZINE DISPLAY CAB.



NOTE: FOR TYPICAL KEY NOTES SEE SECOND FLOOR TOILET PLAN 2/A-7. SEE SHIT A-2 FOR ADDITIONAL INFO.

FIRST FLOOR TOILET PLAN

SCALE  
1/4" = 1'-0" 3

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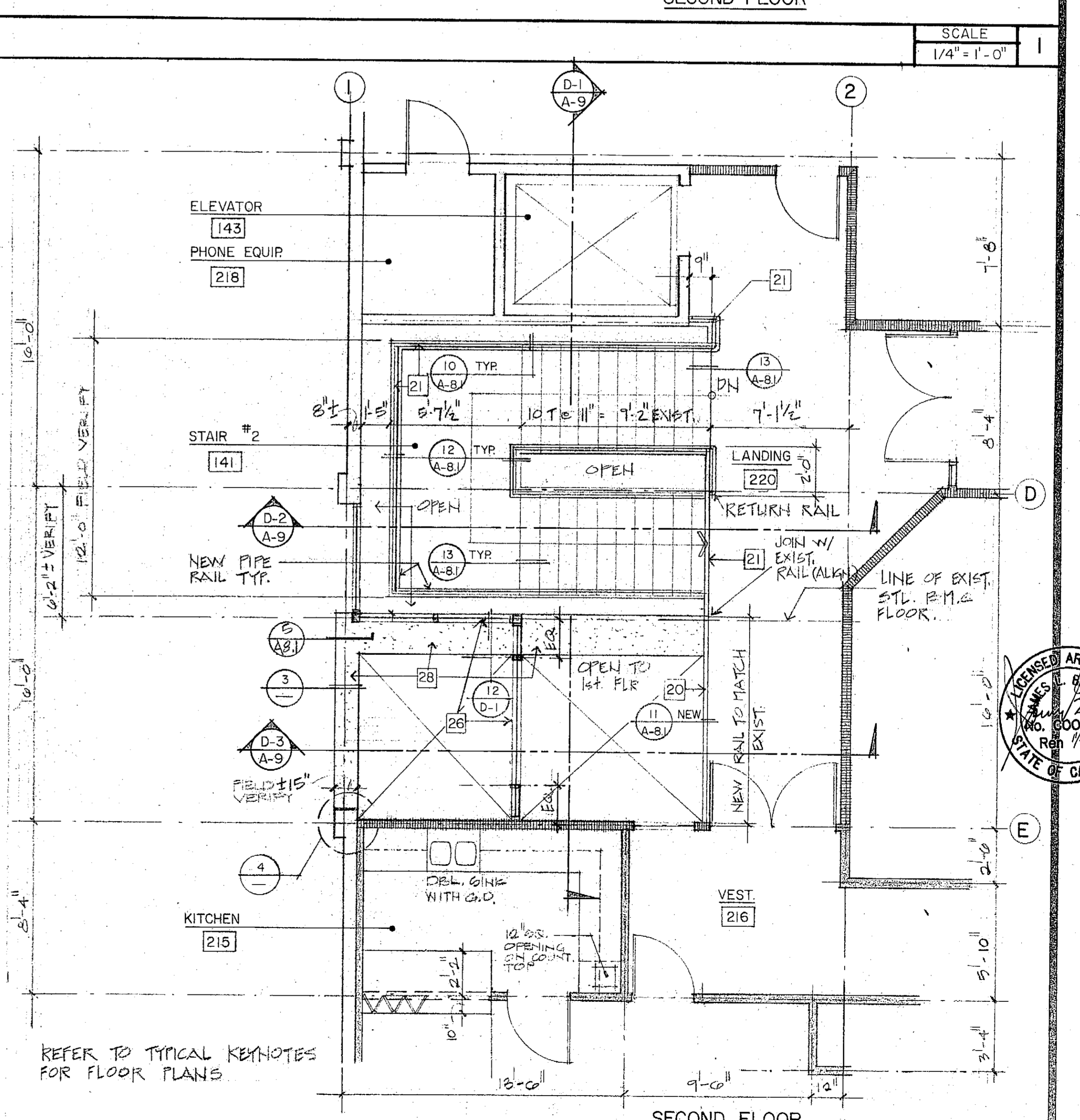
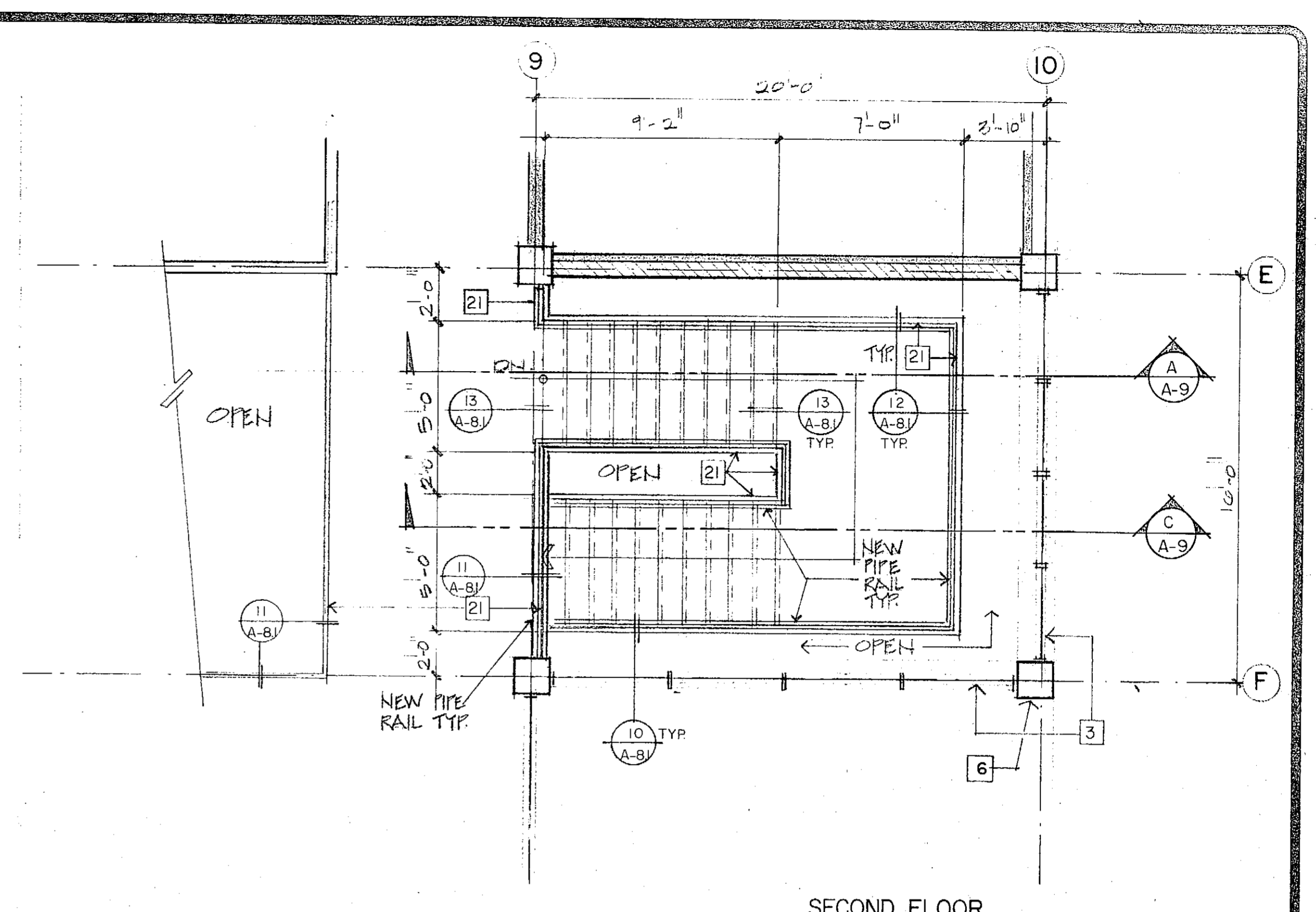
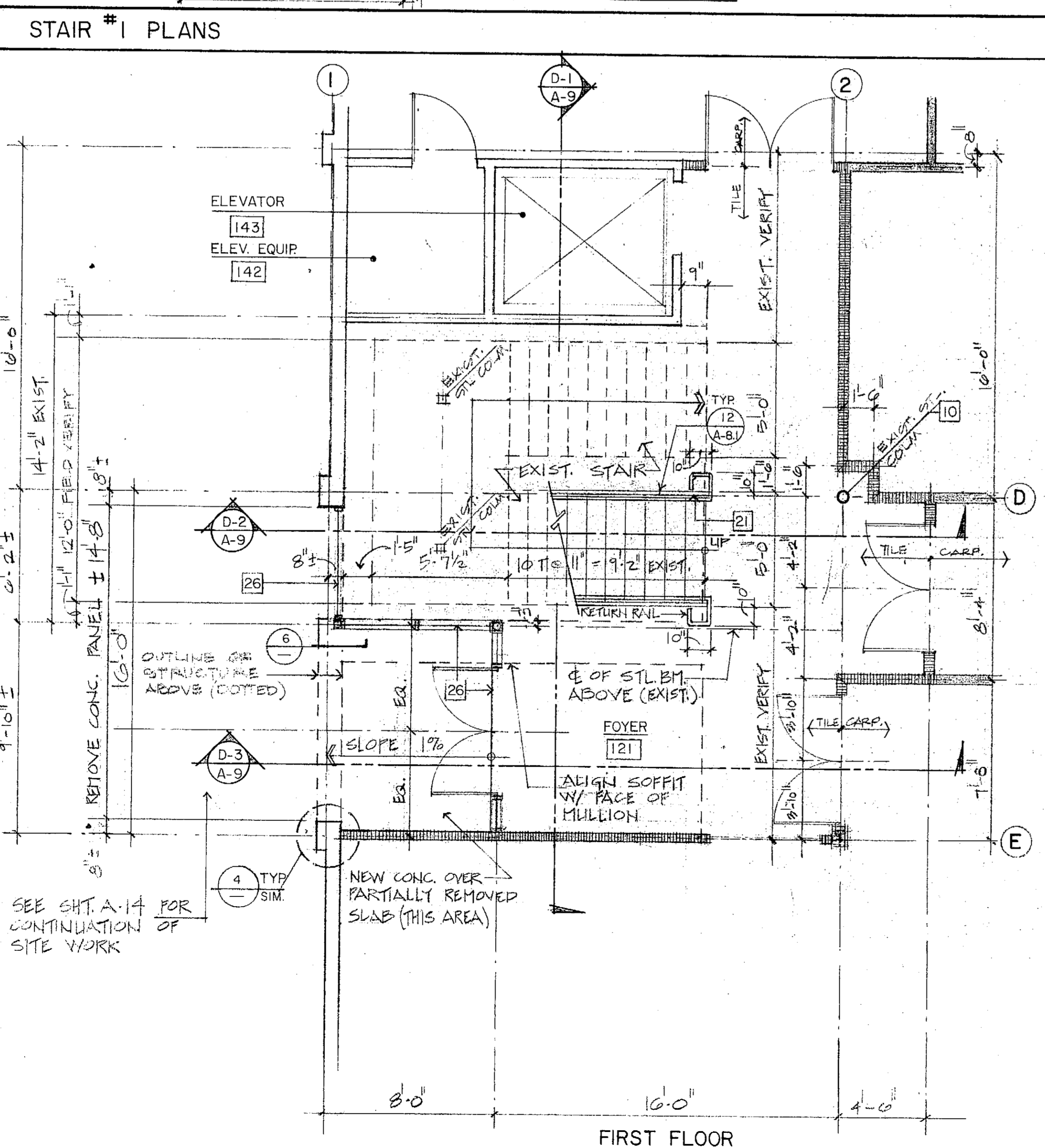
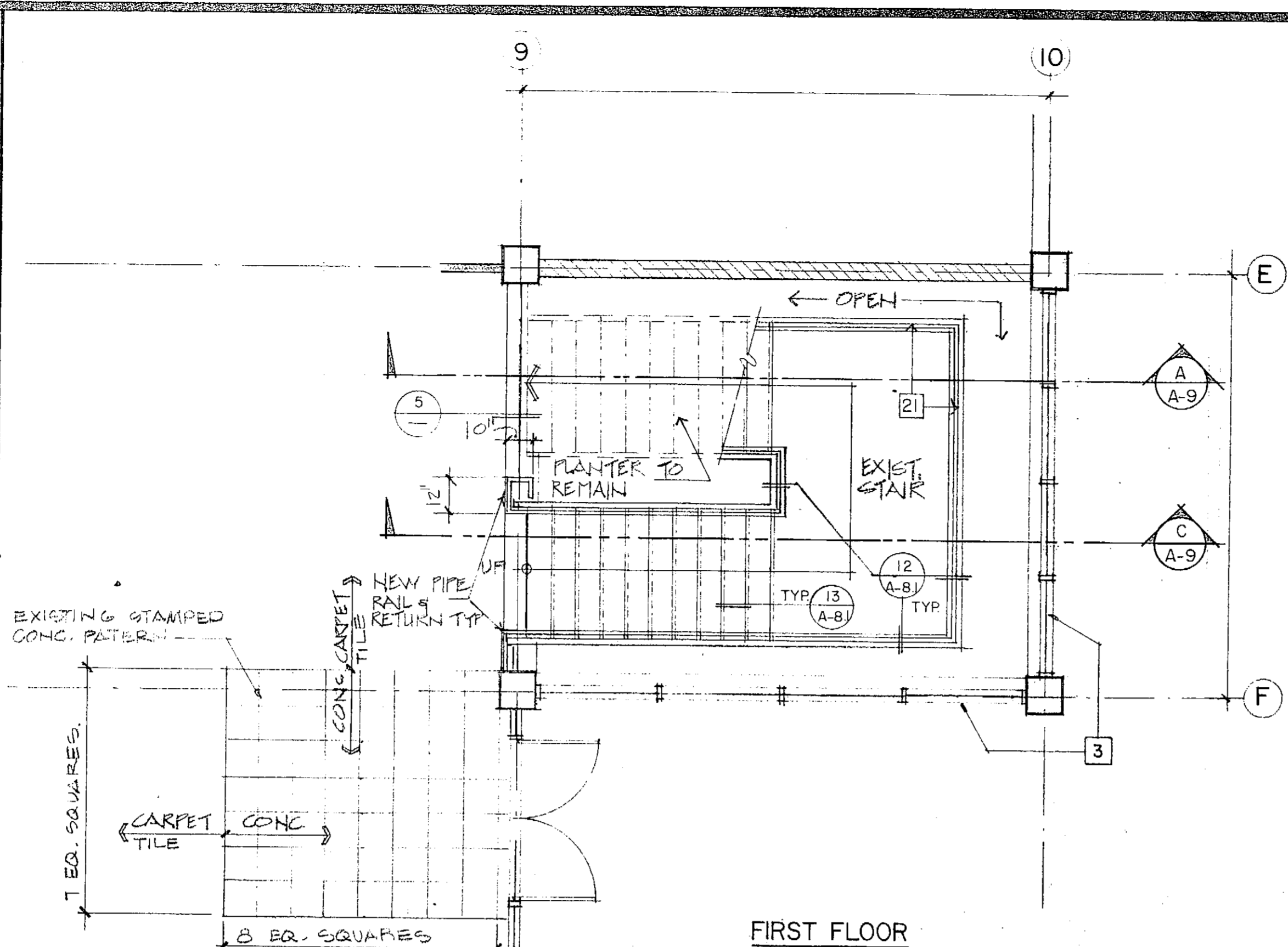
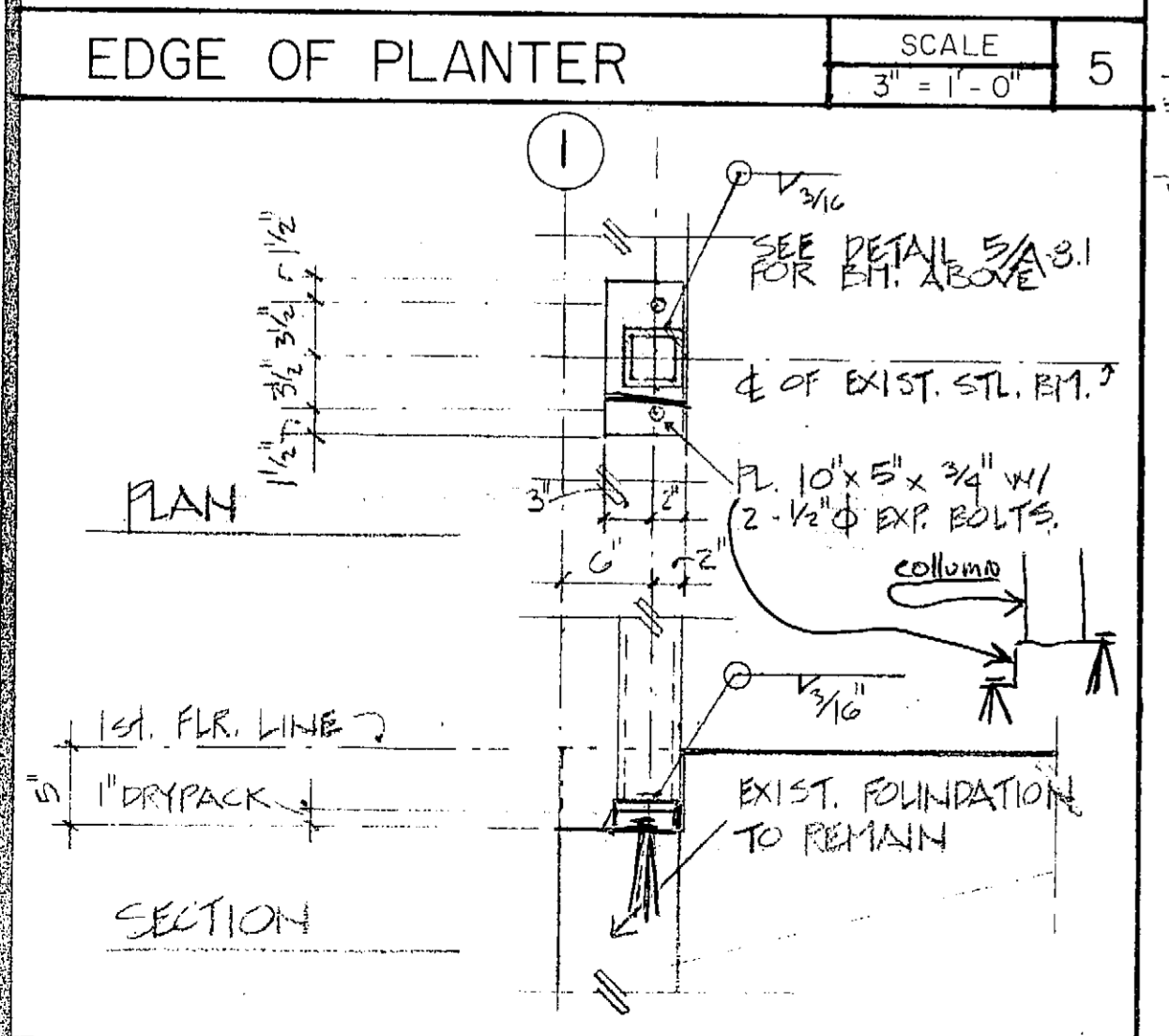
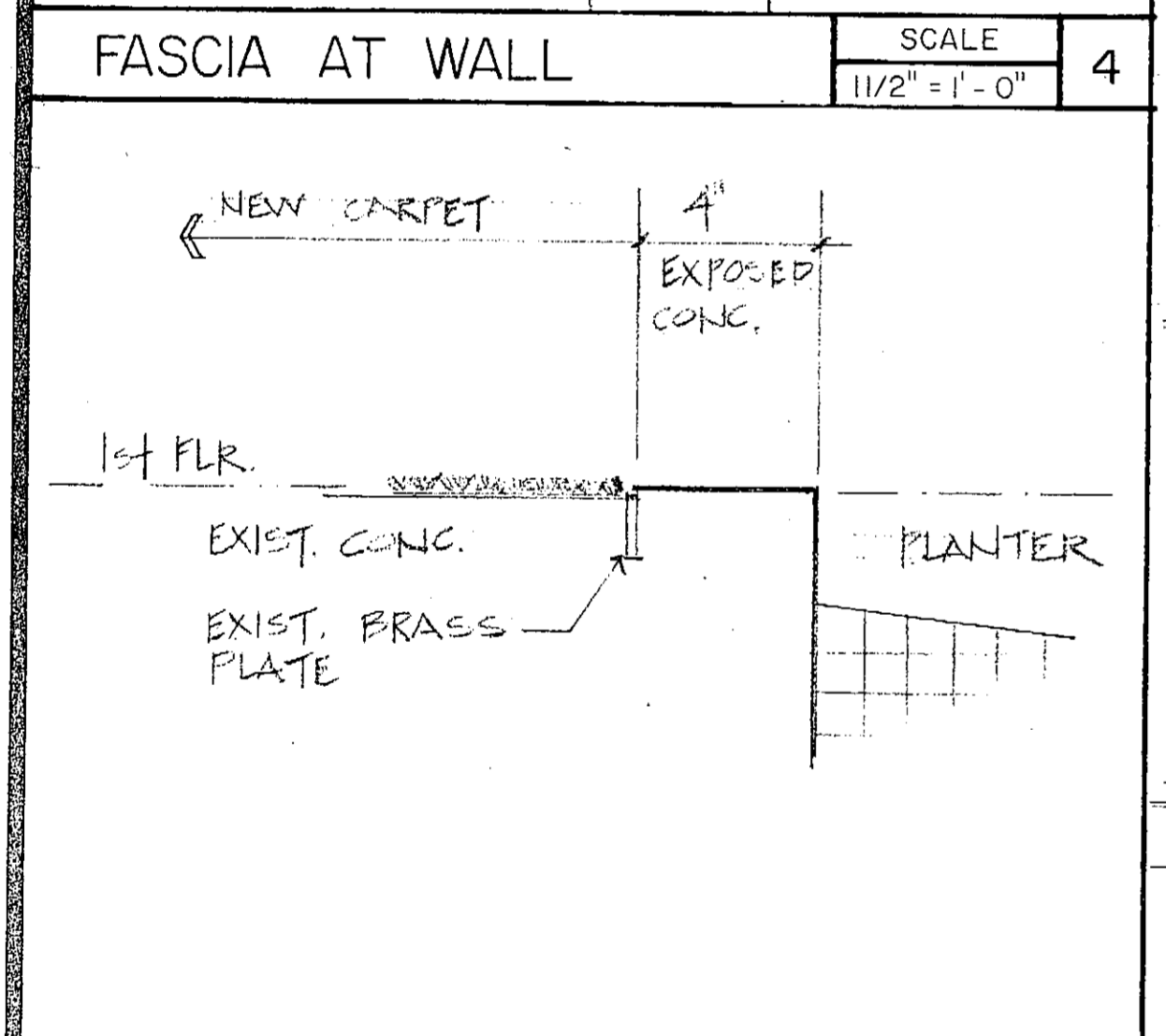
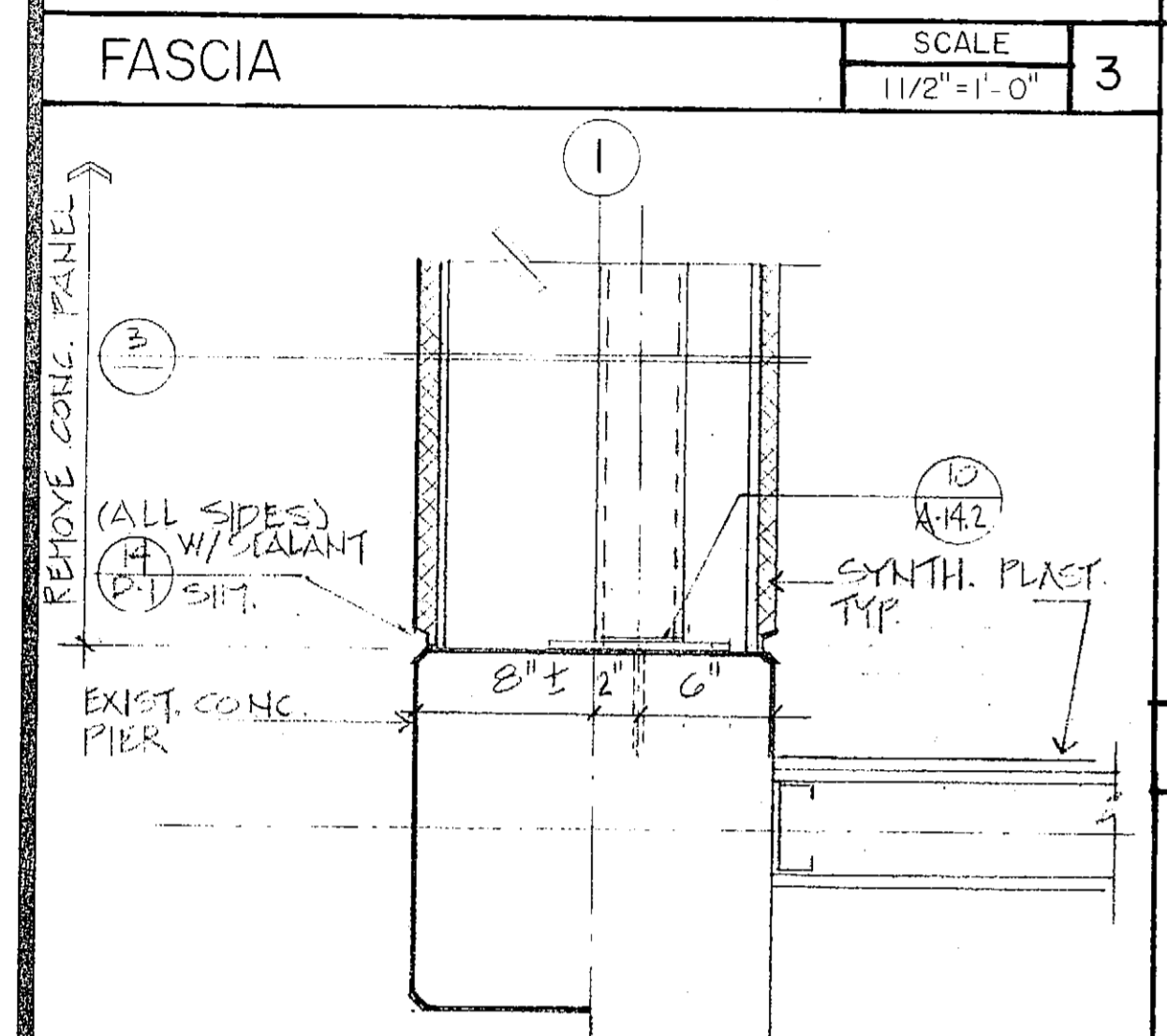
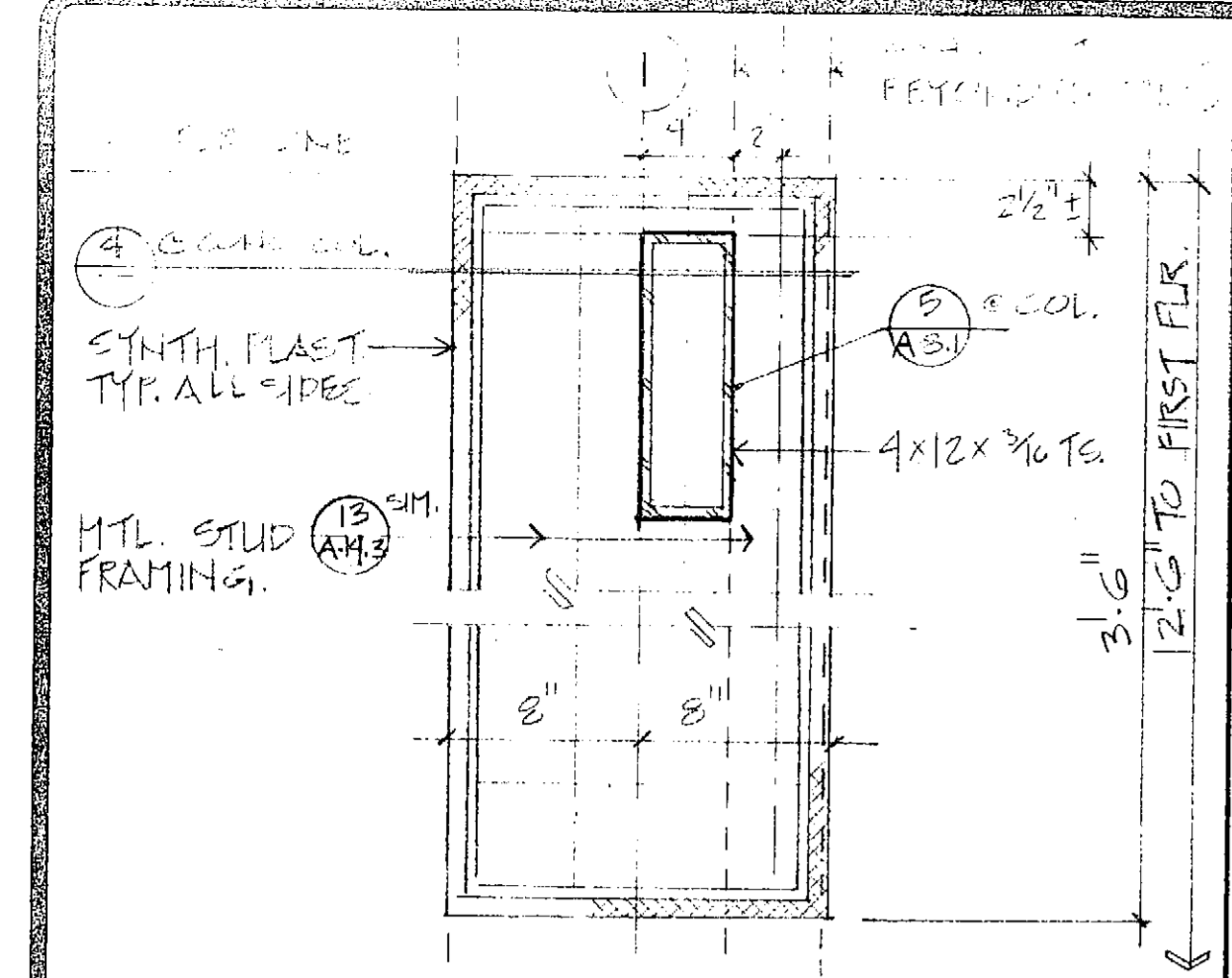
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OF	SHEETS



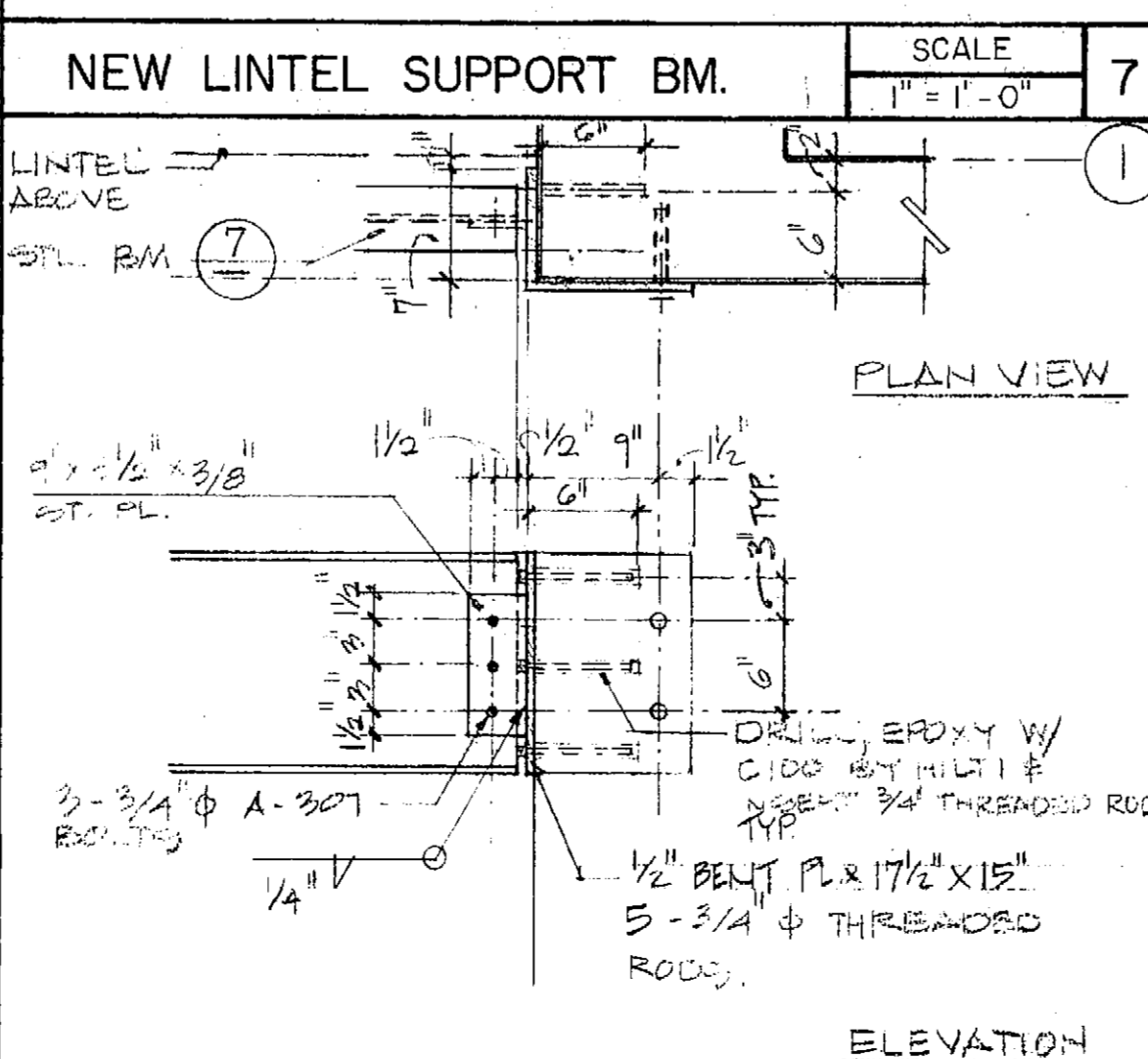
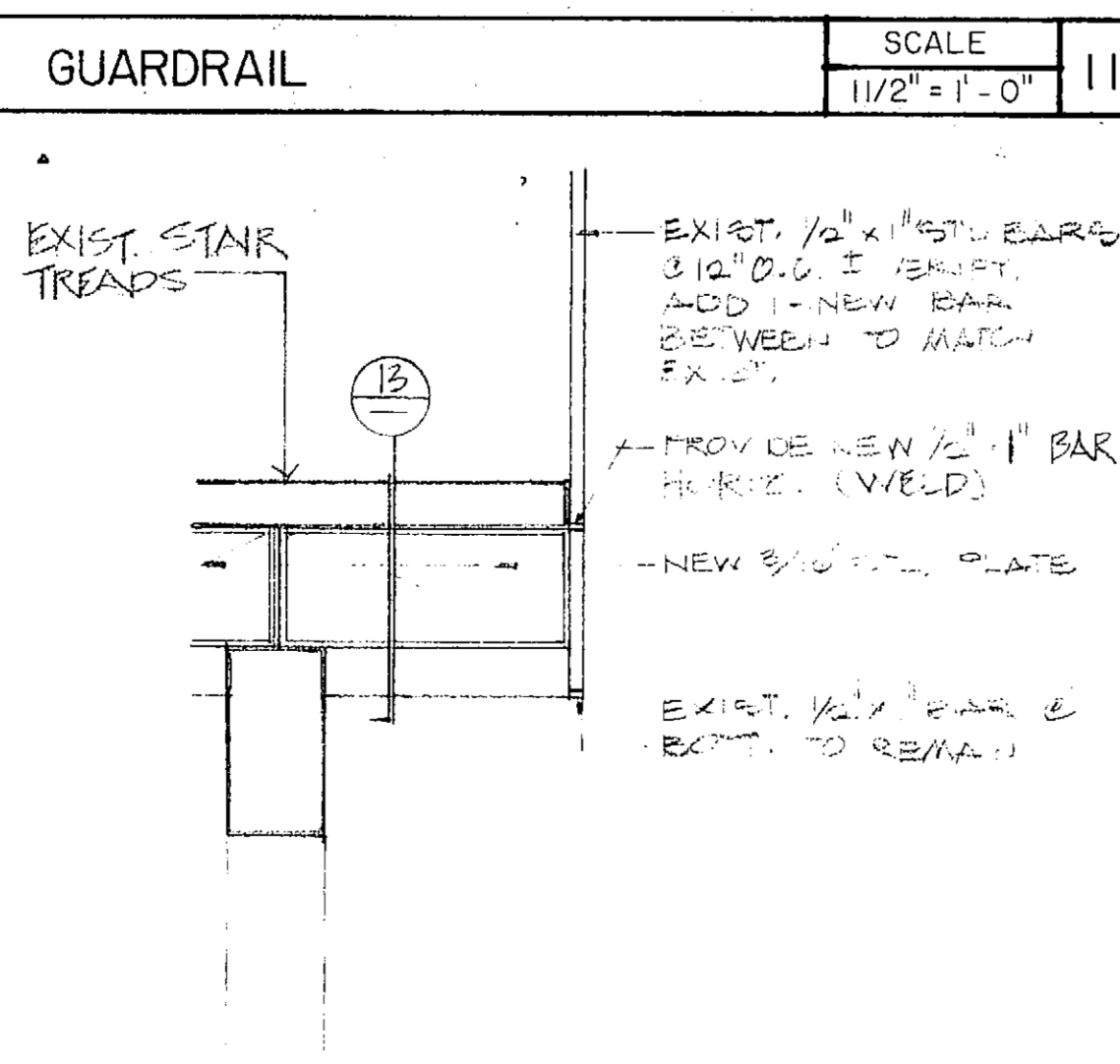
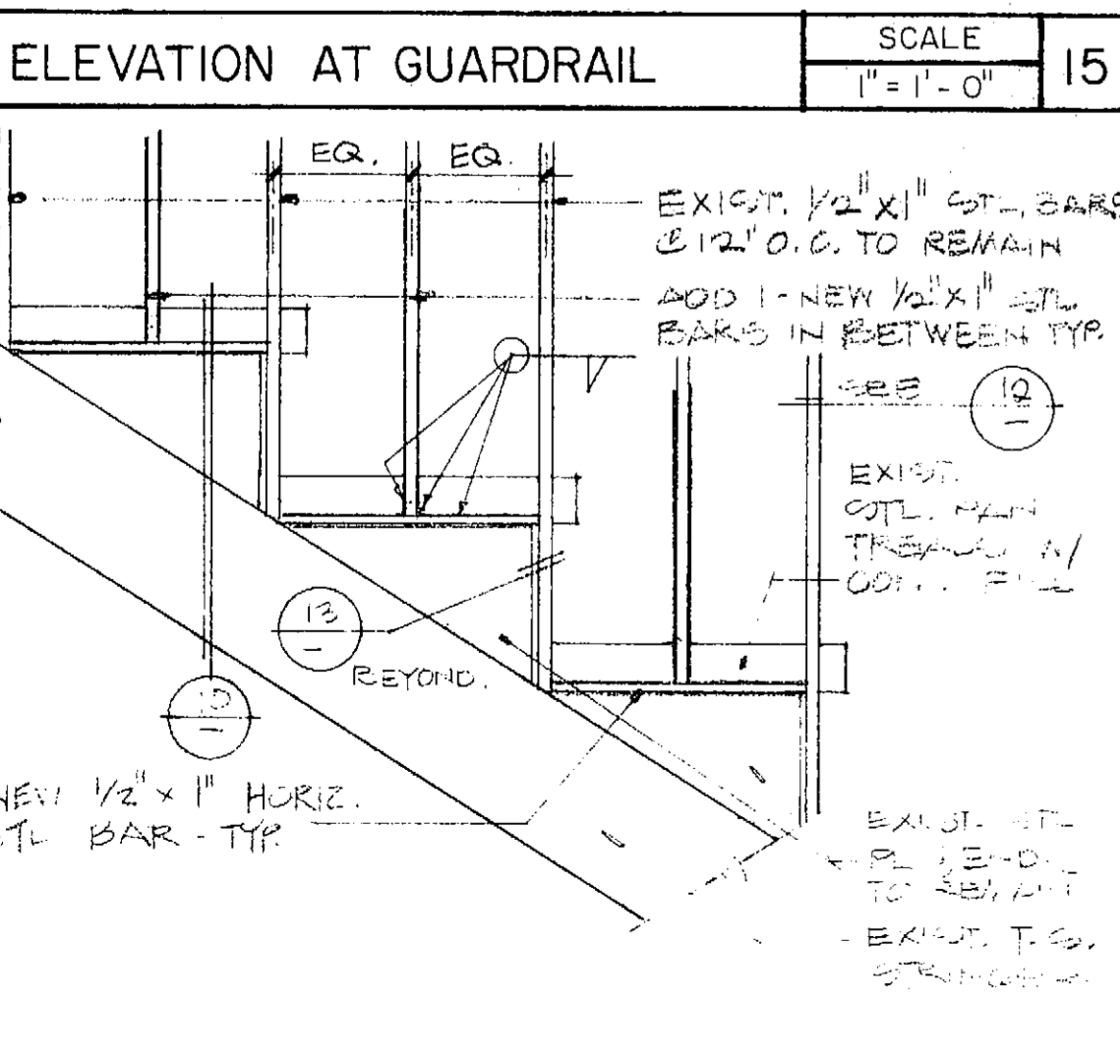
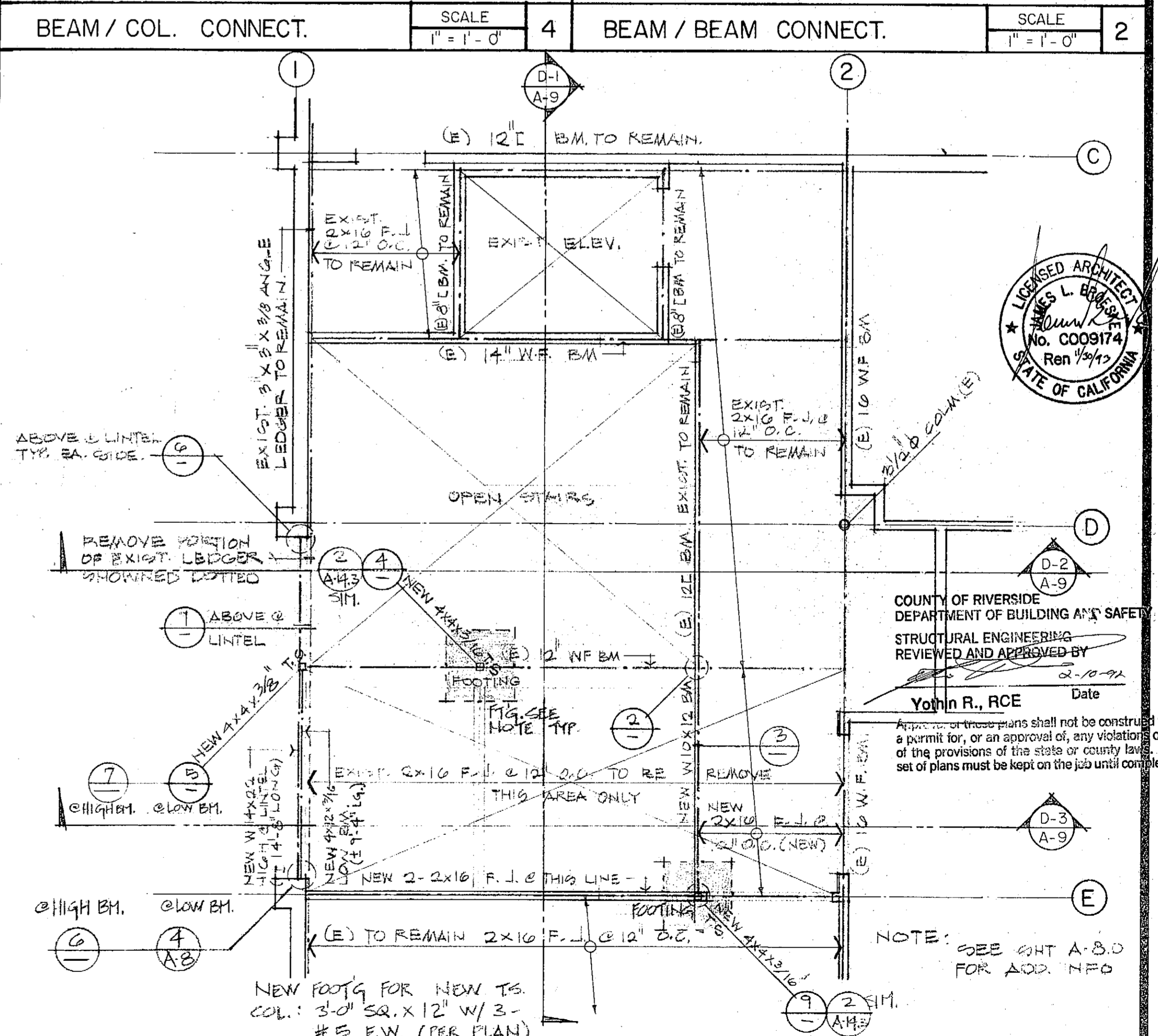
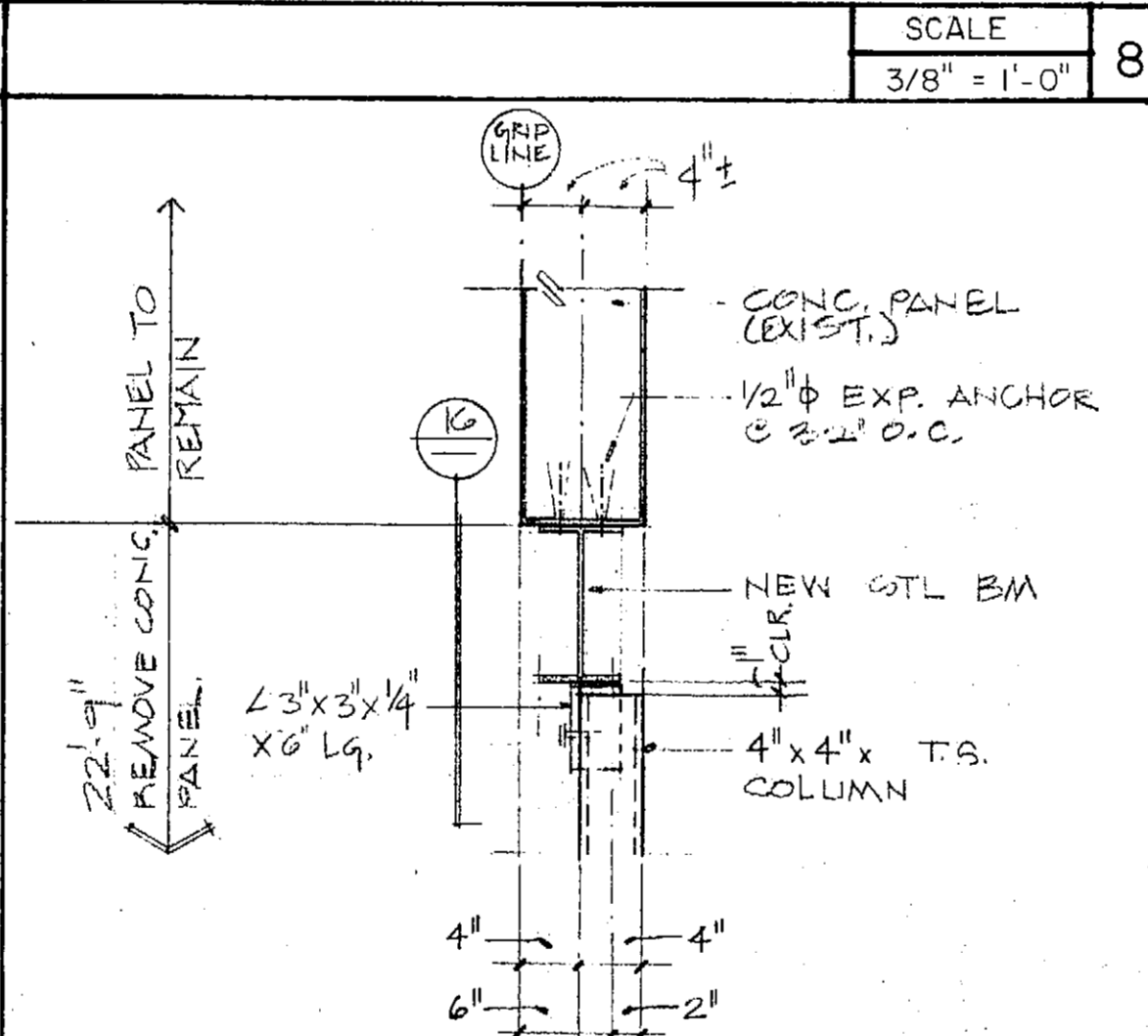
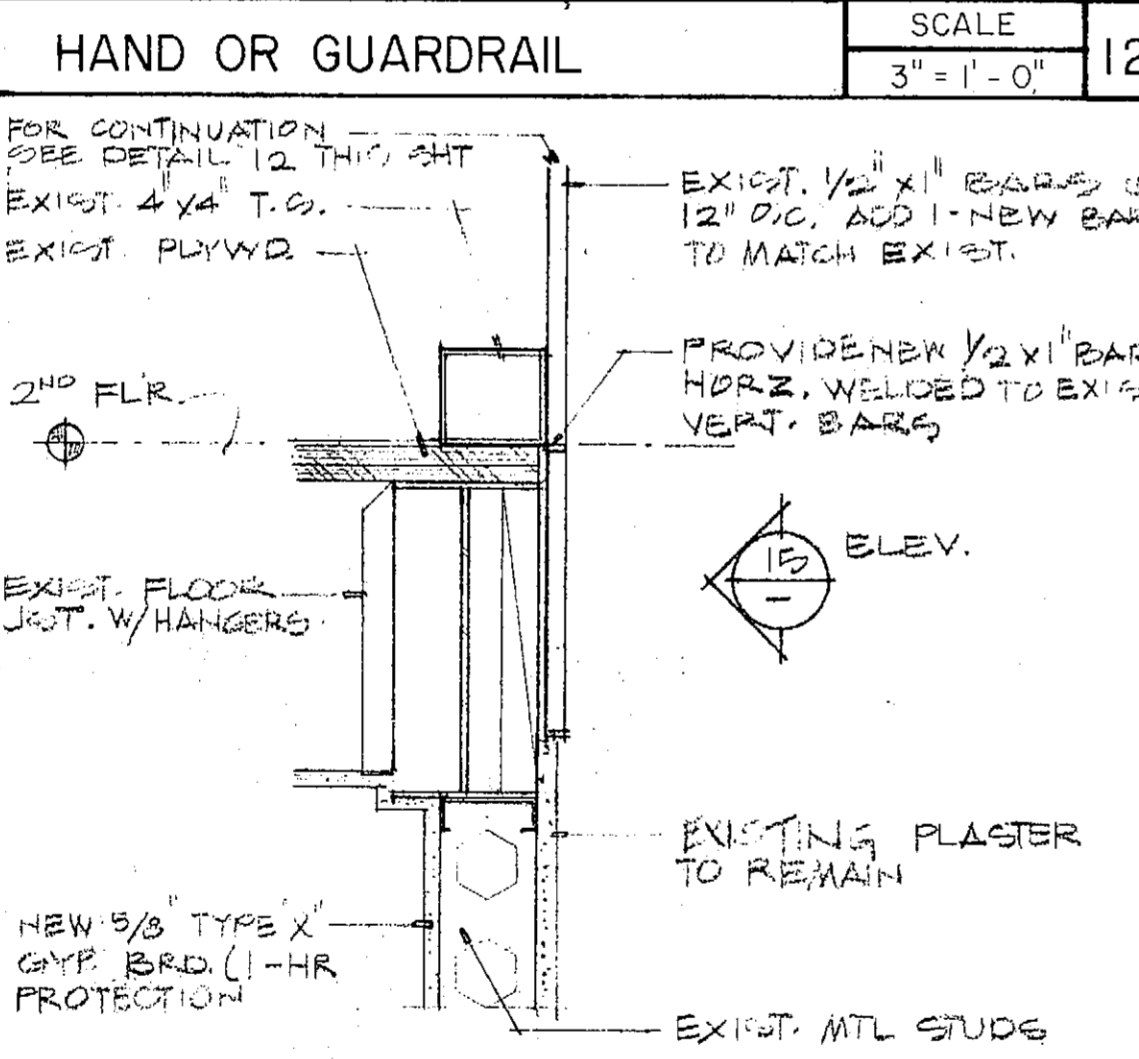
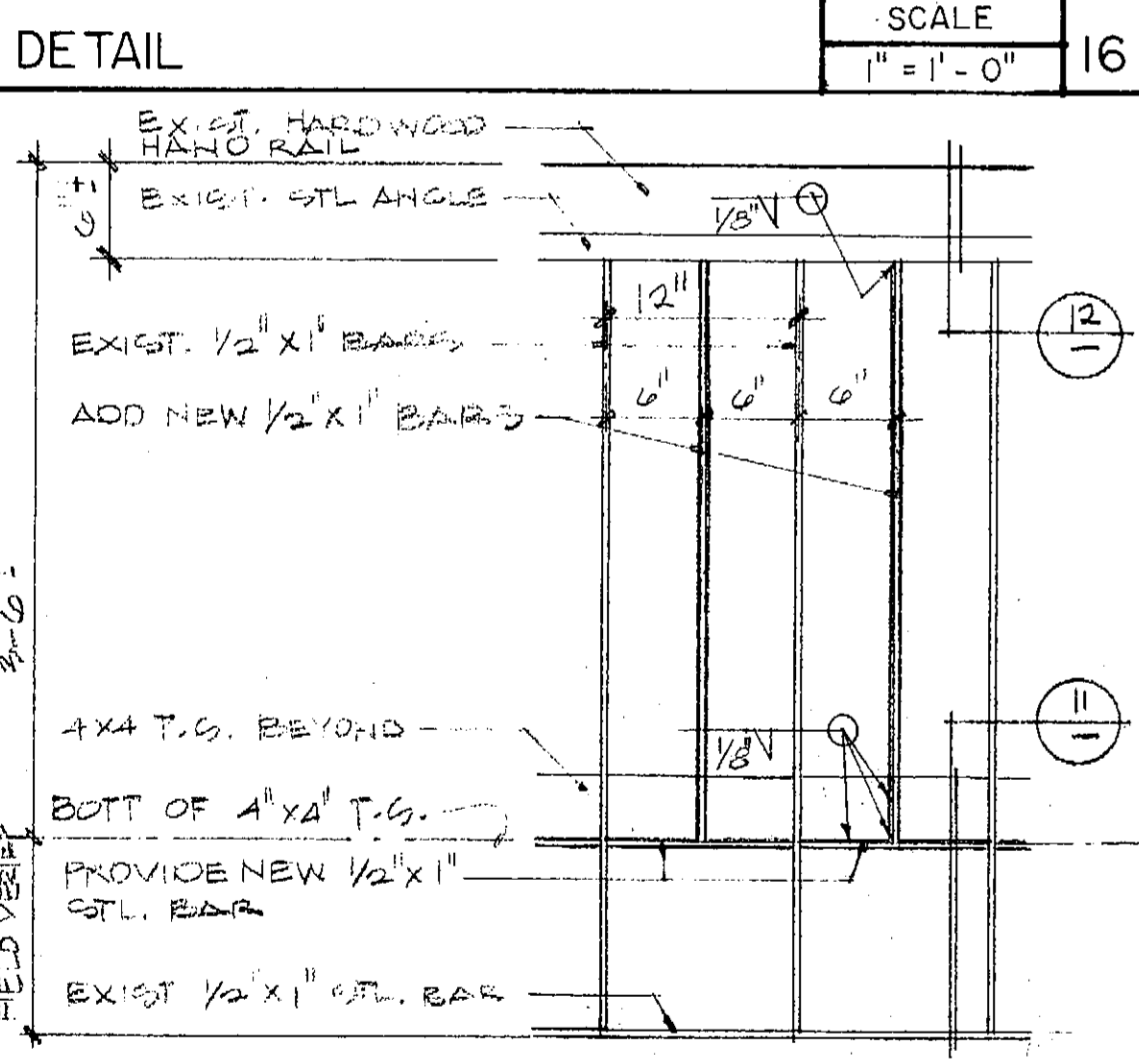
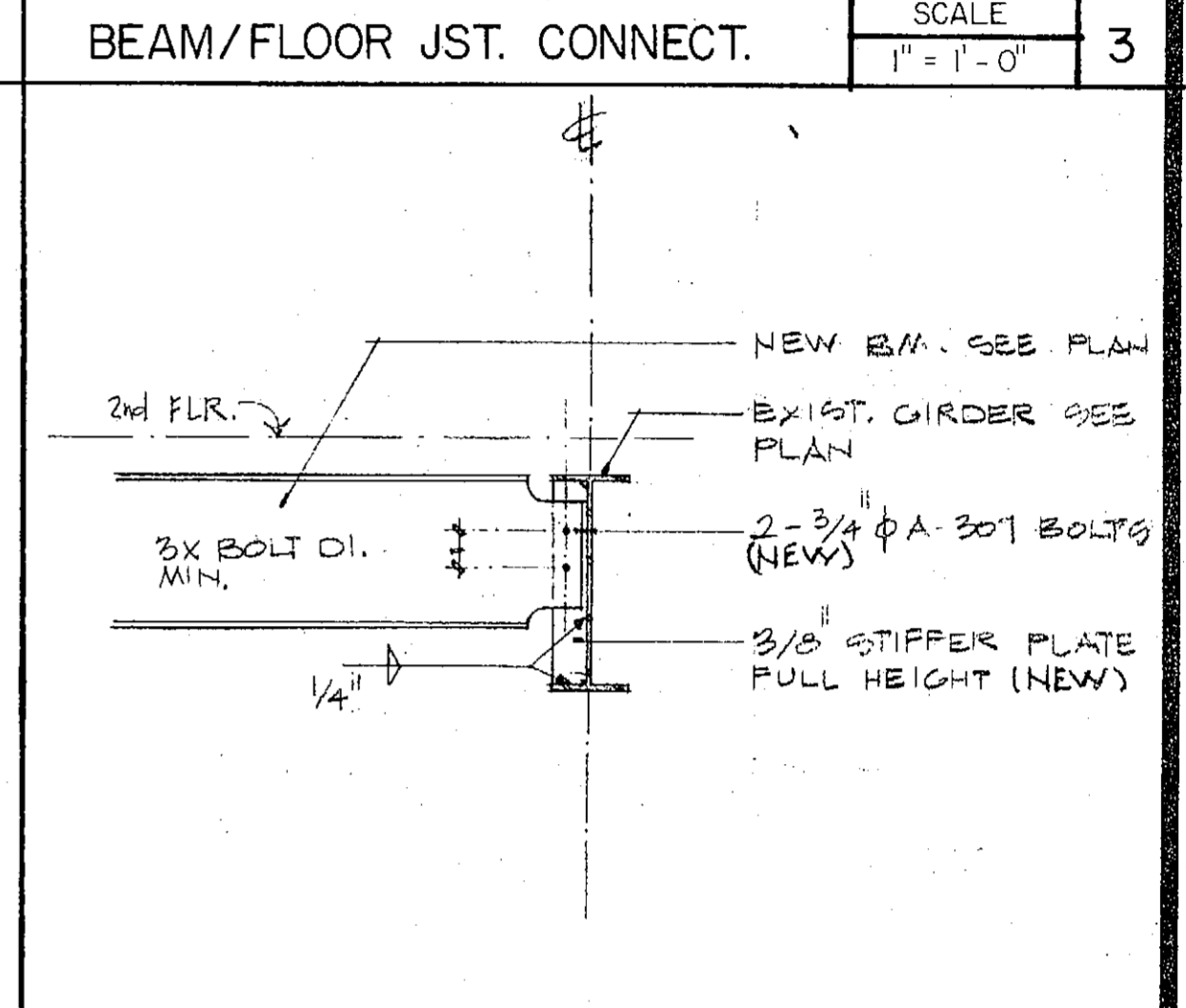
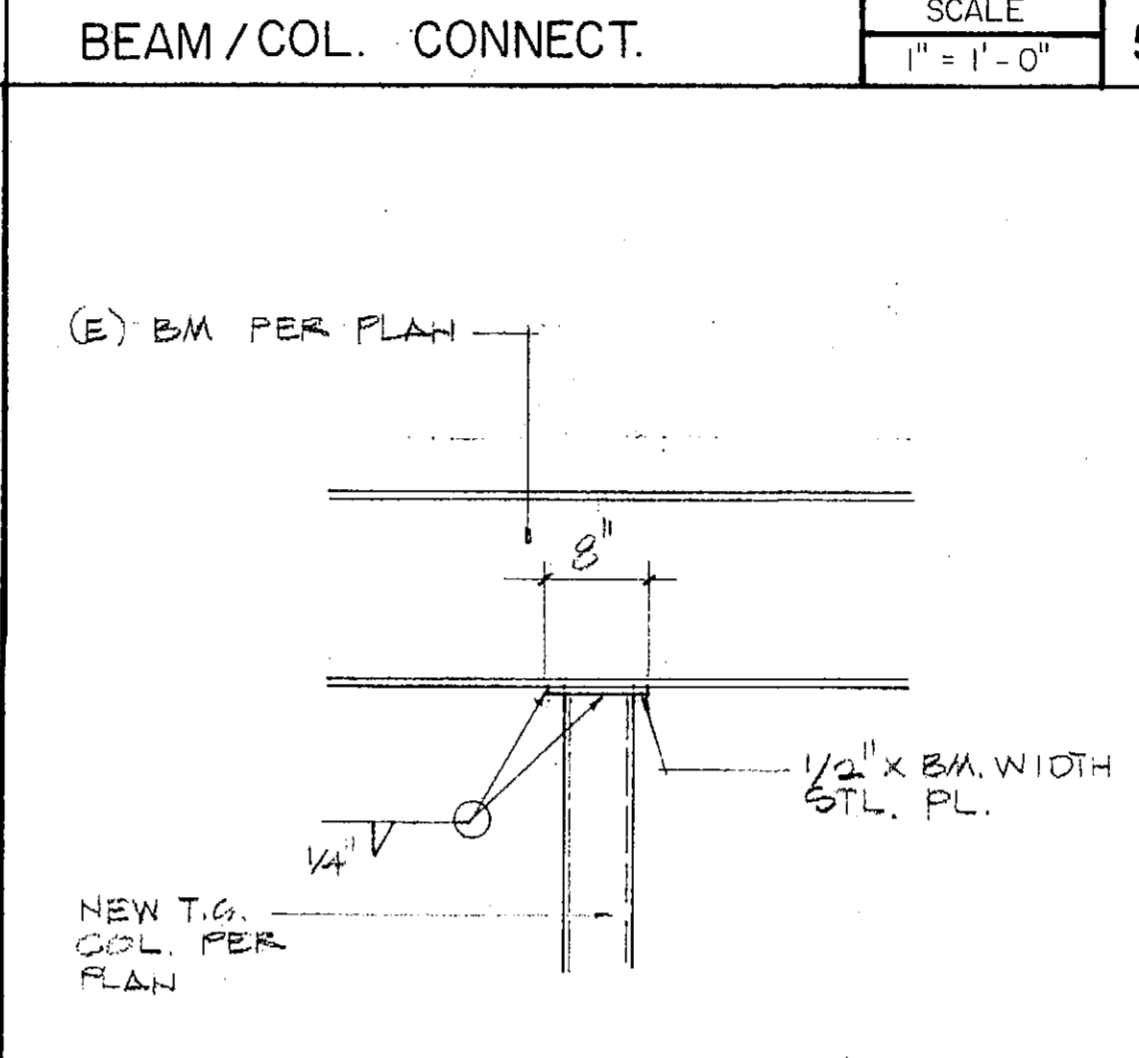
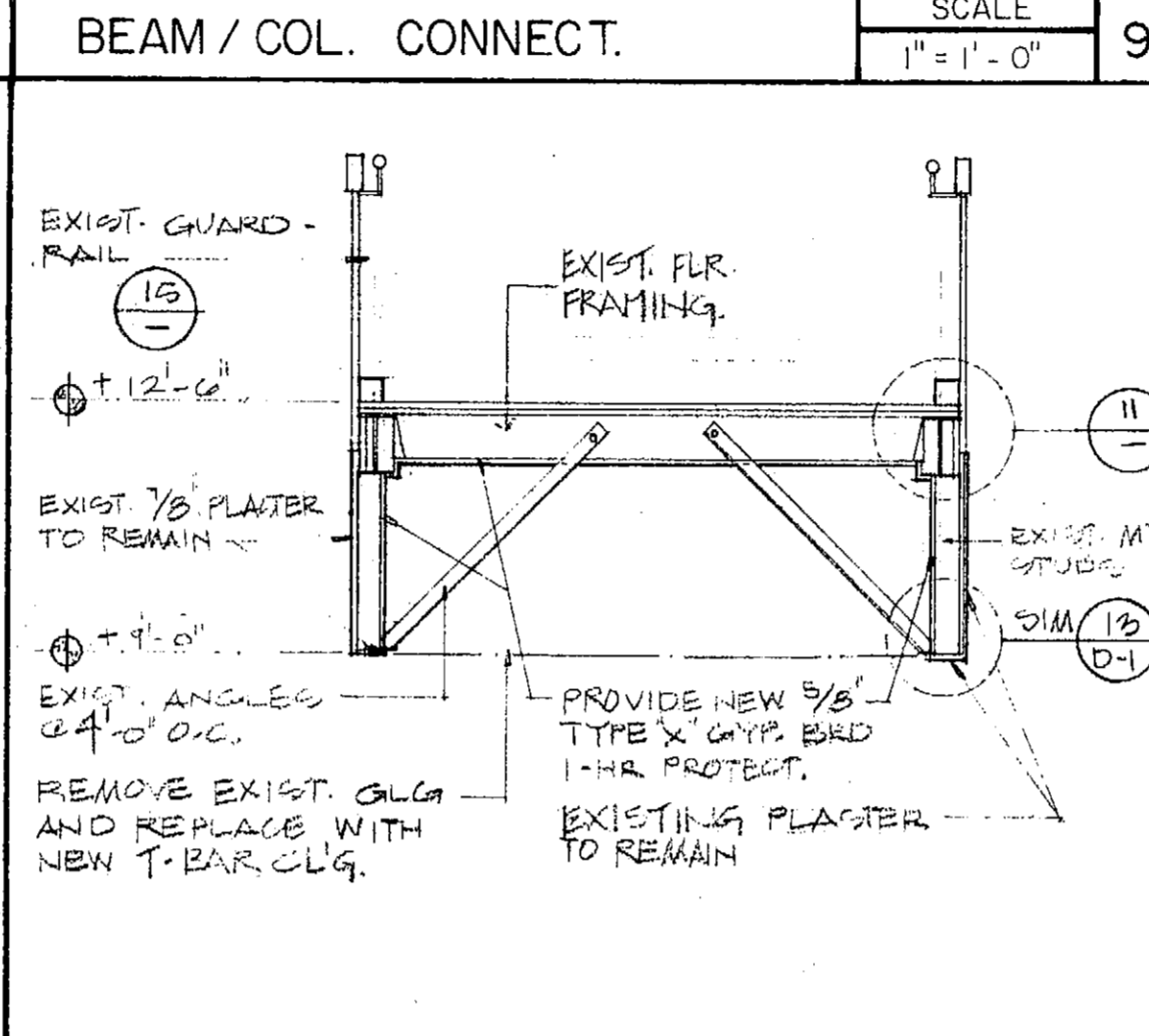
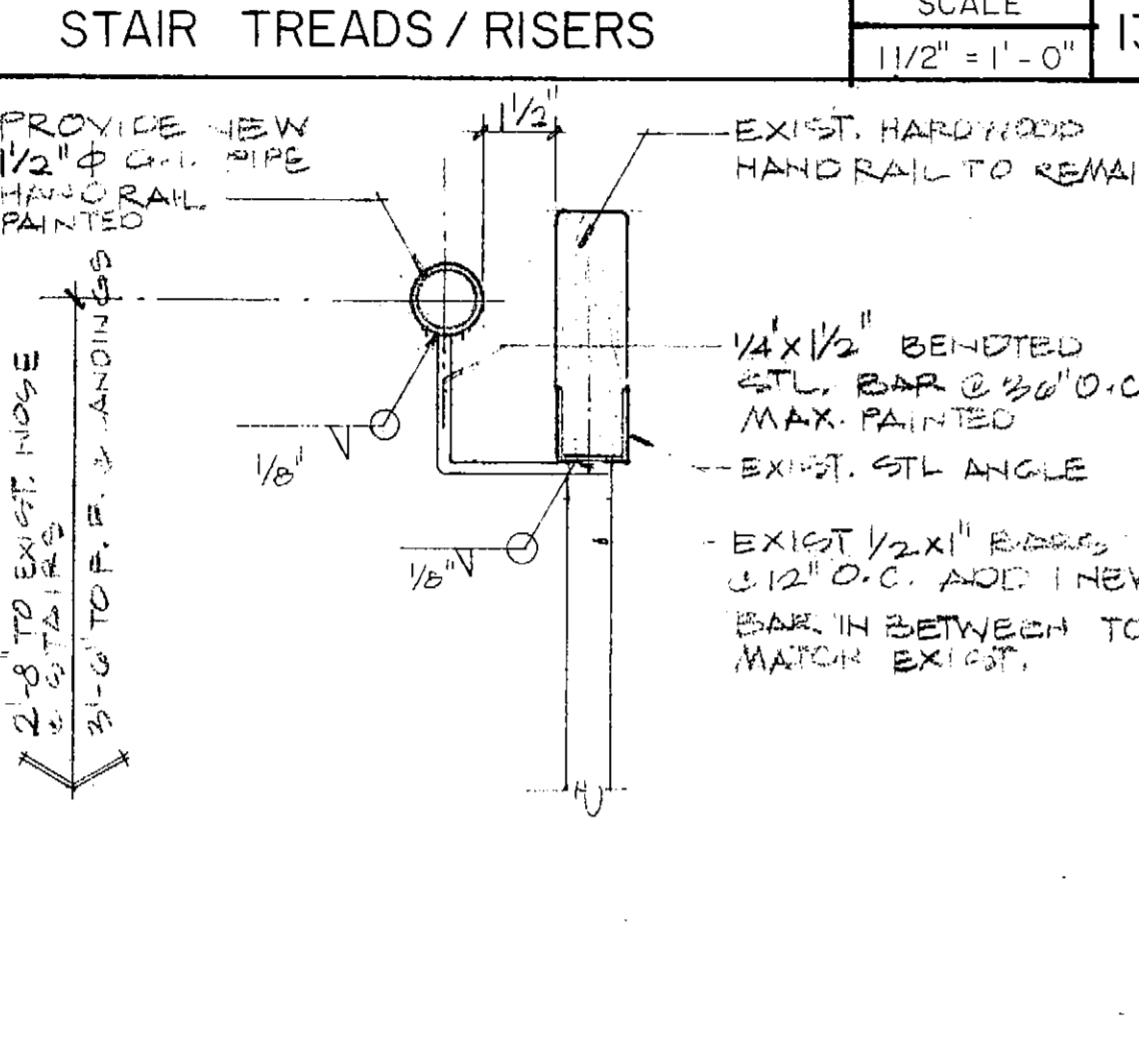
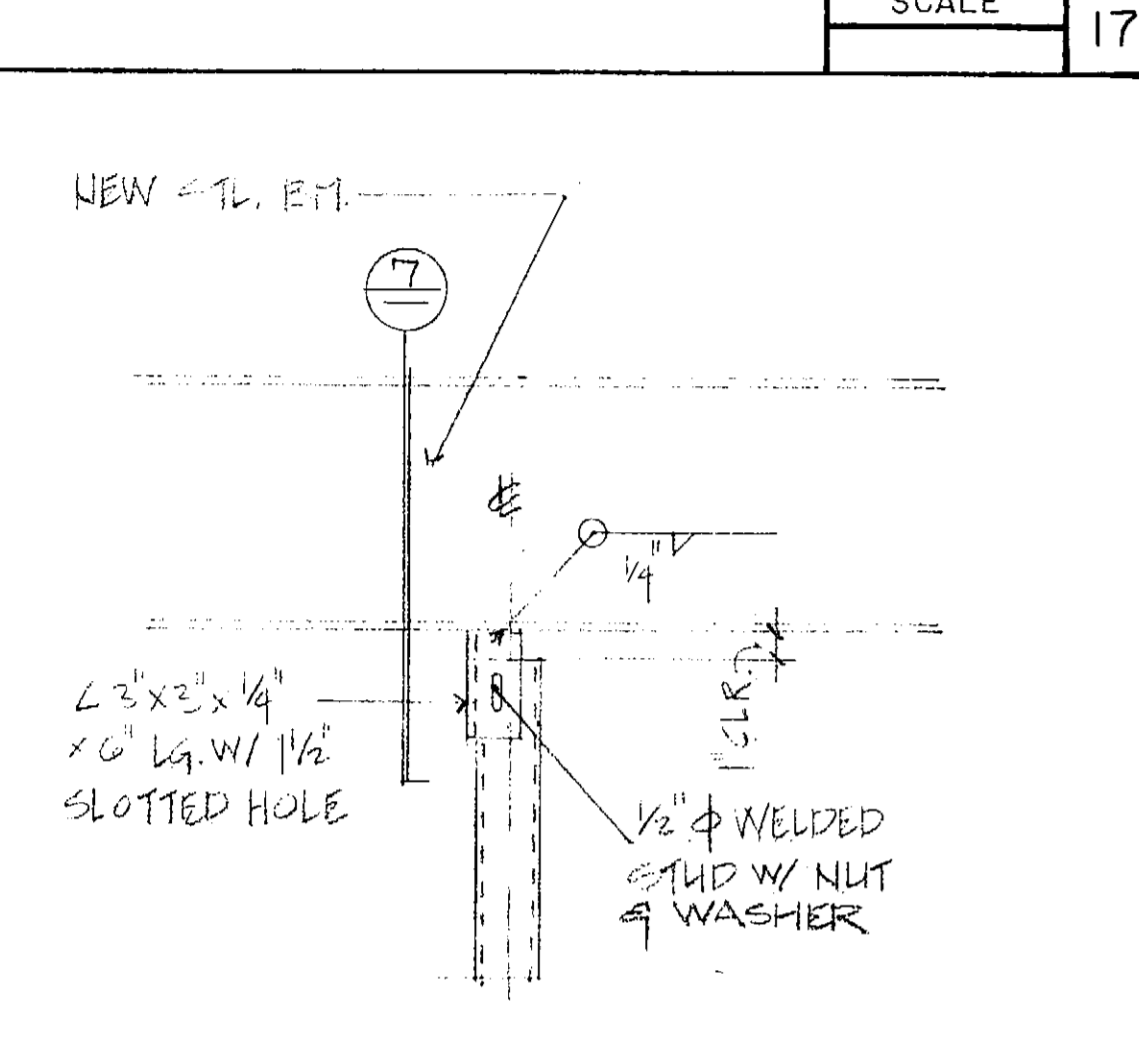
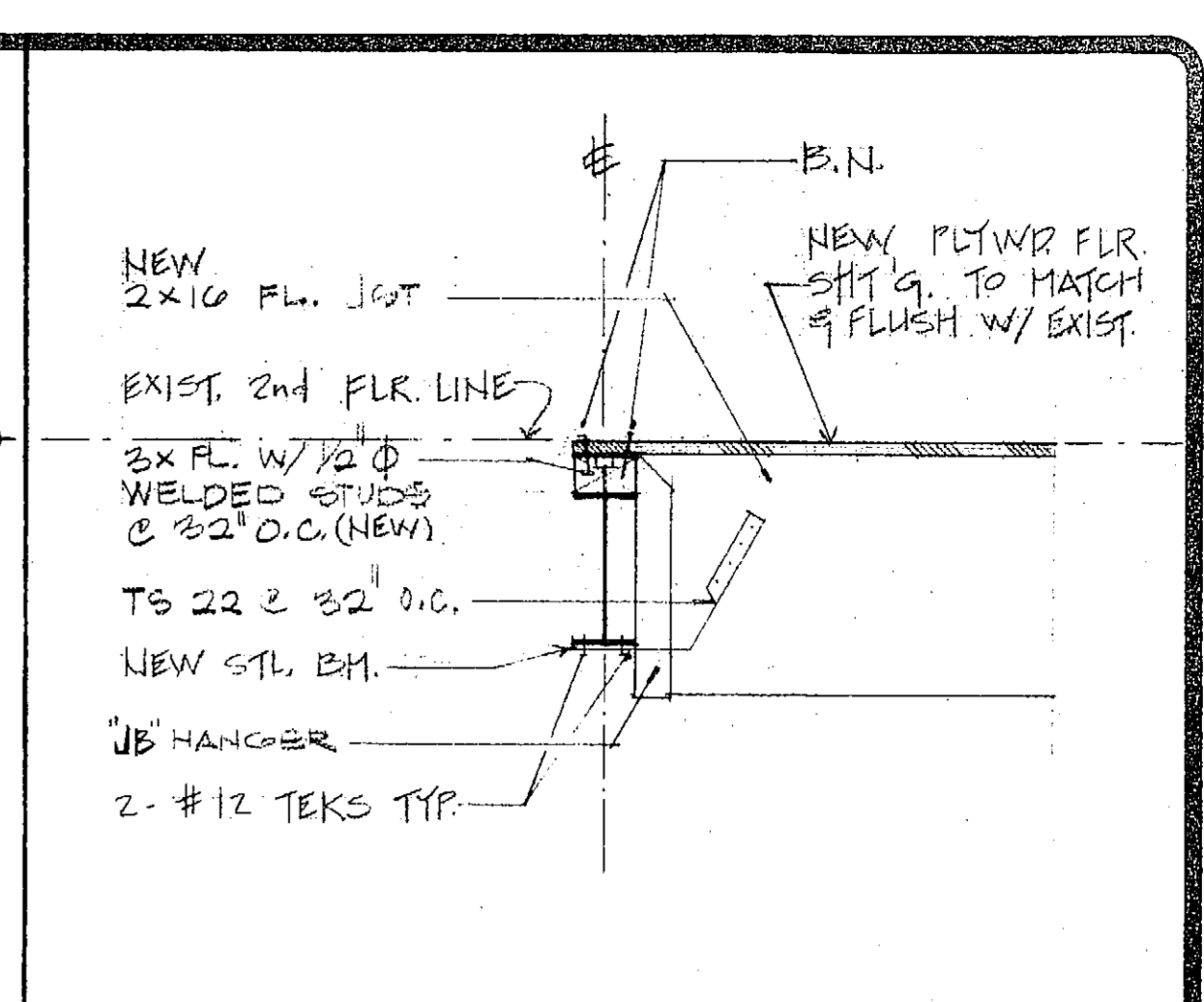
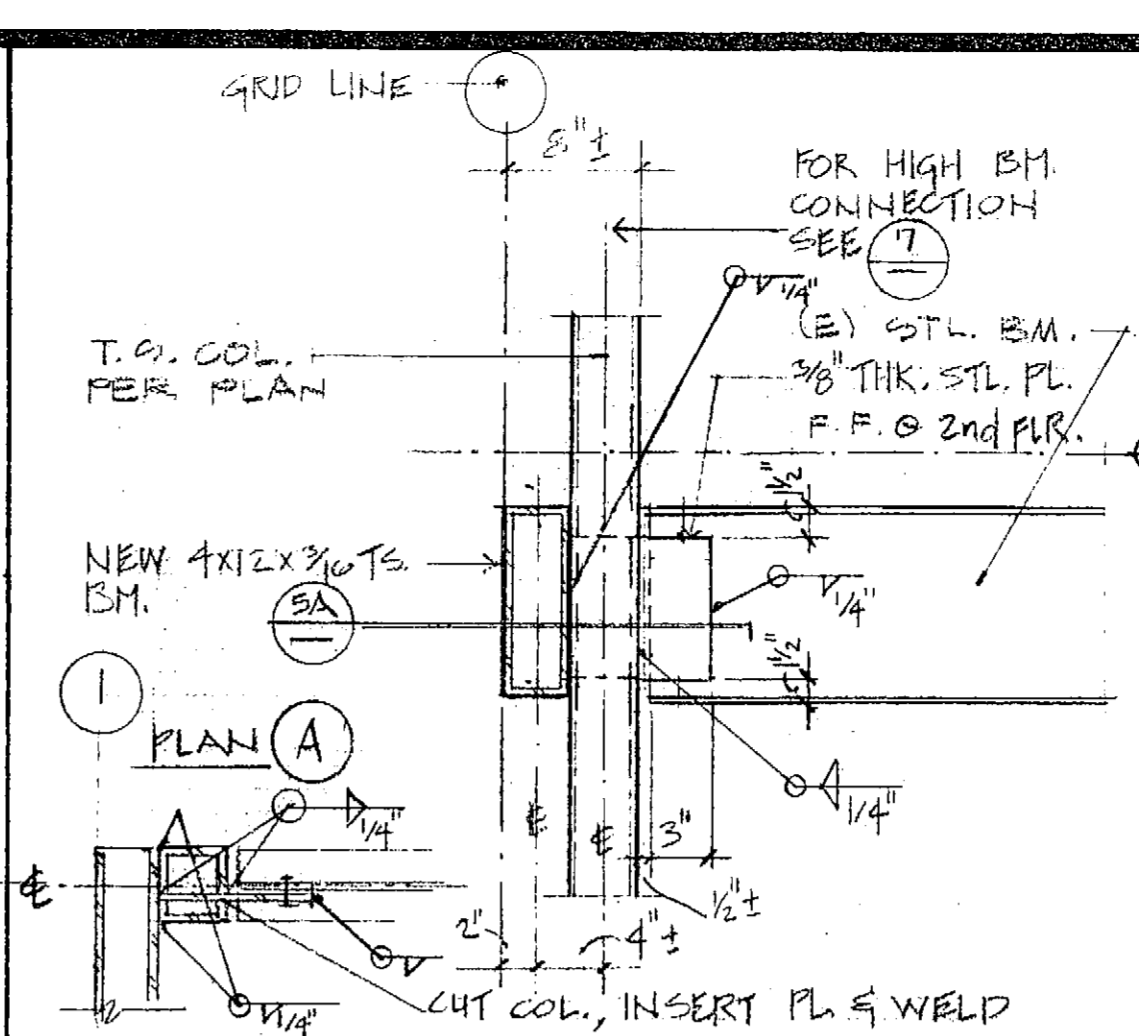
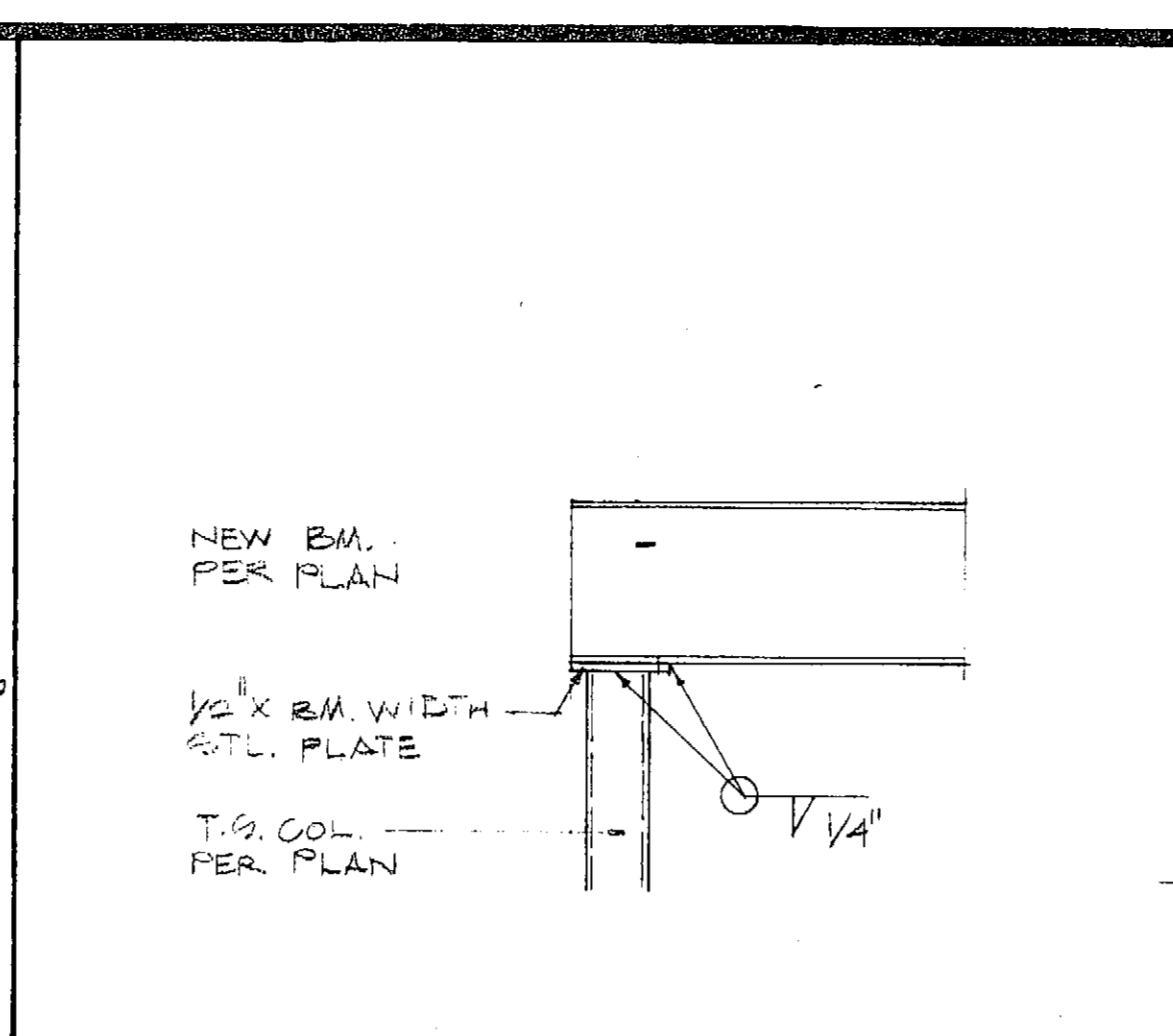
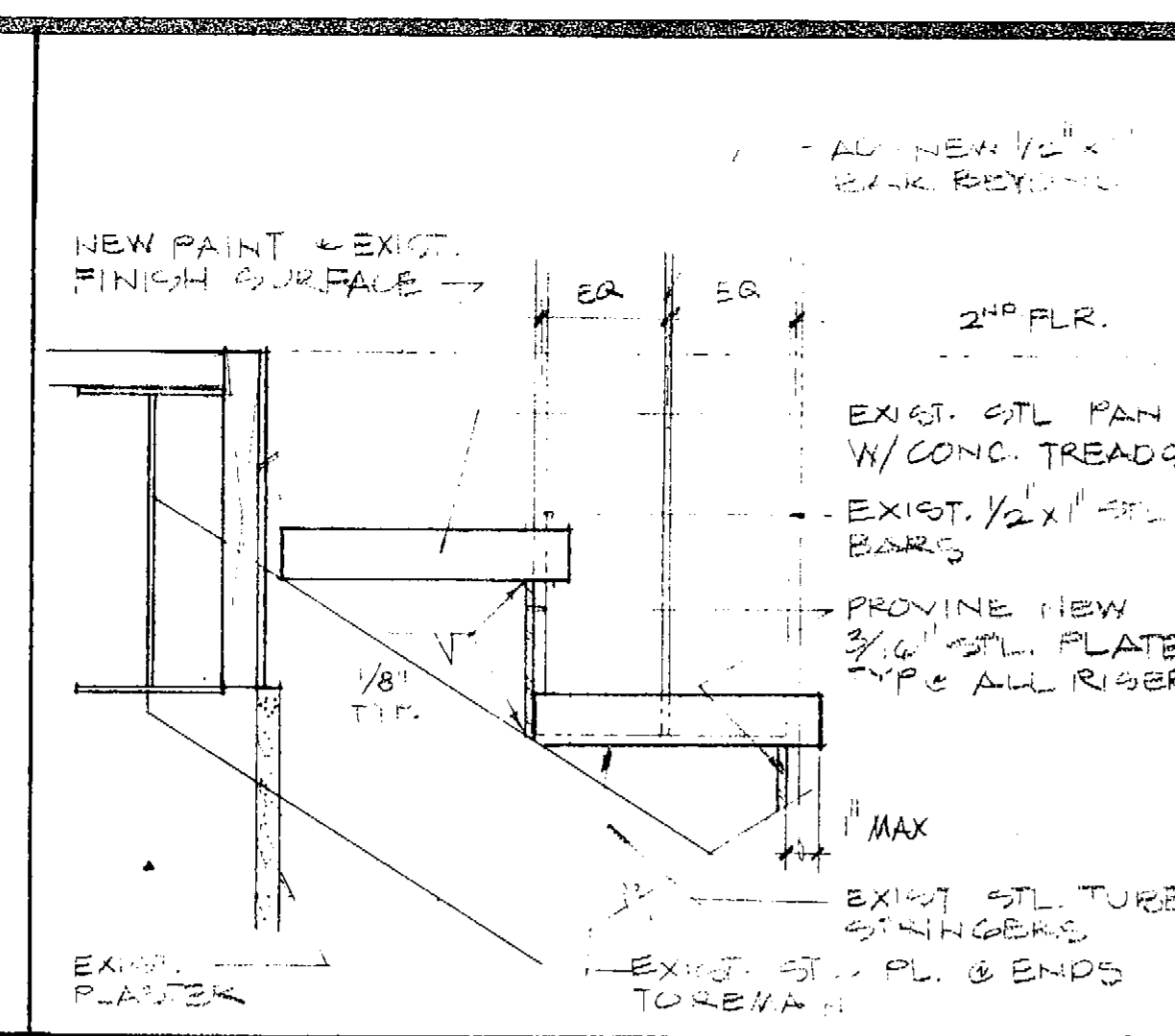
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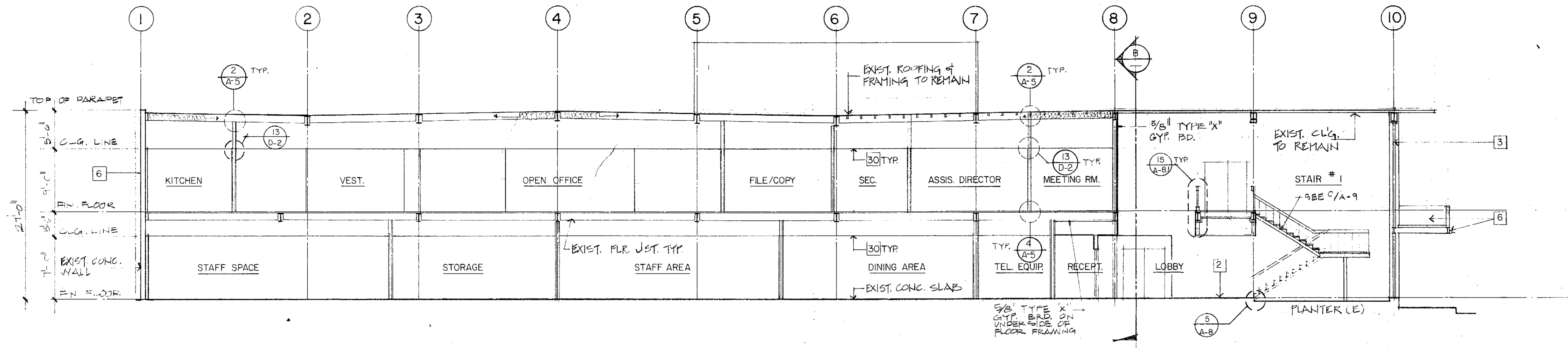
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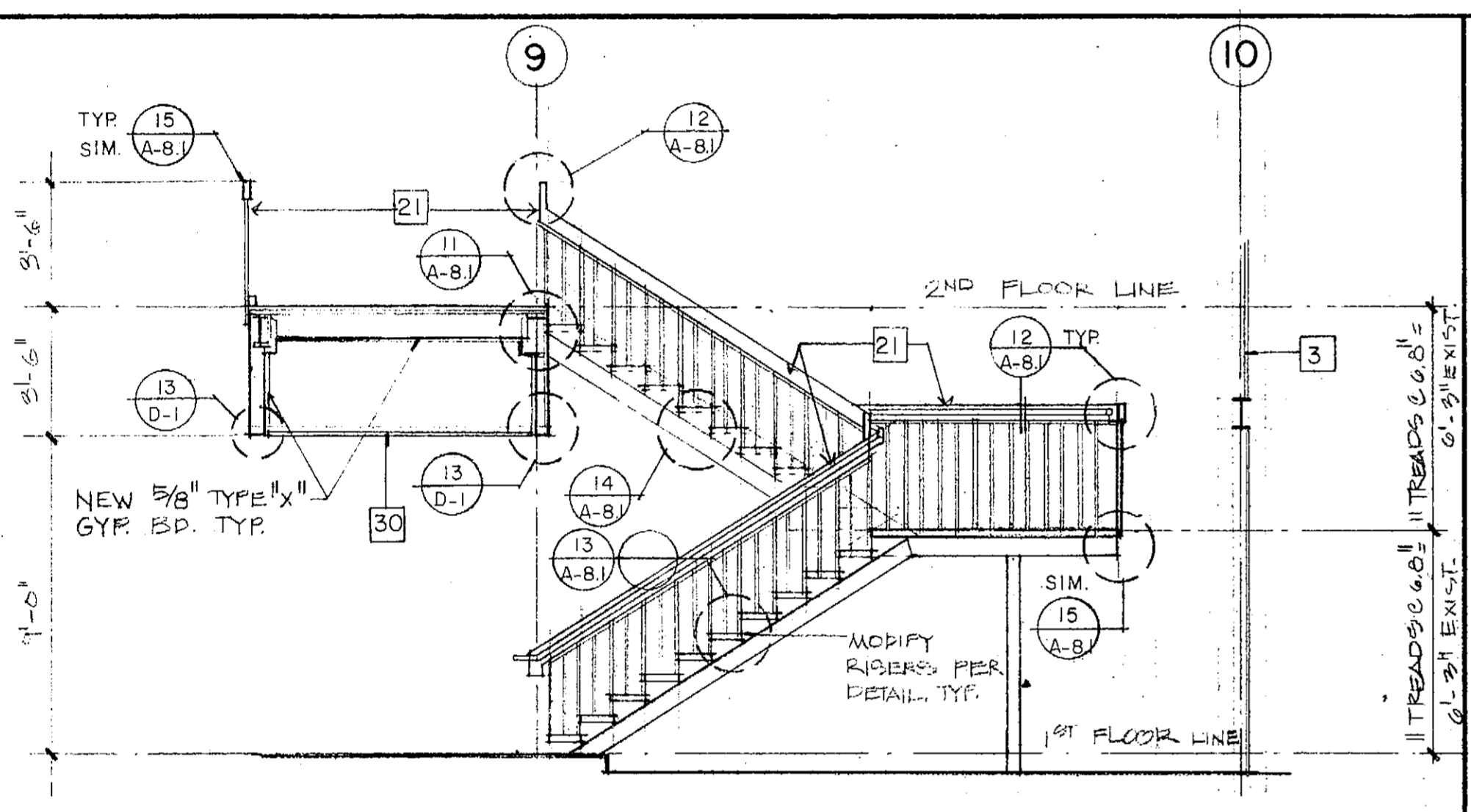
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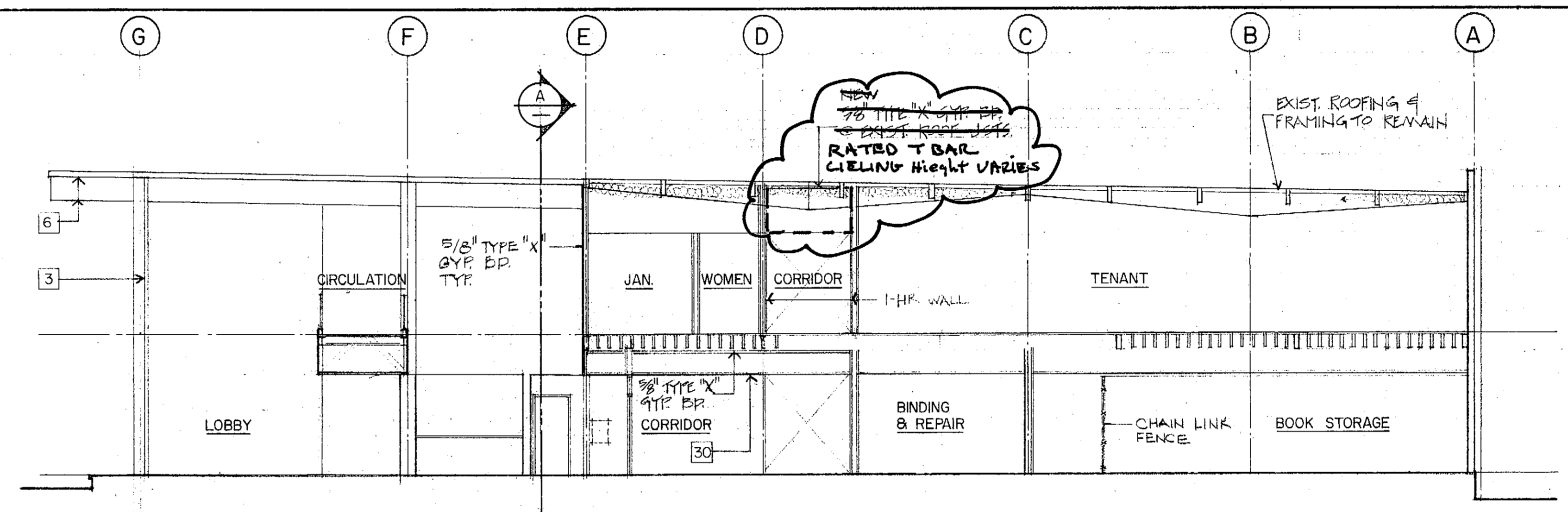




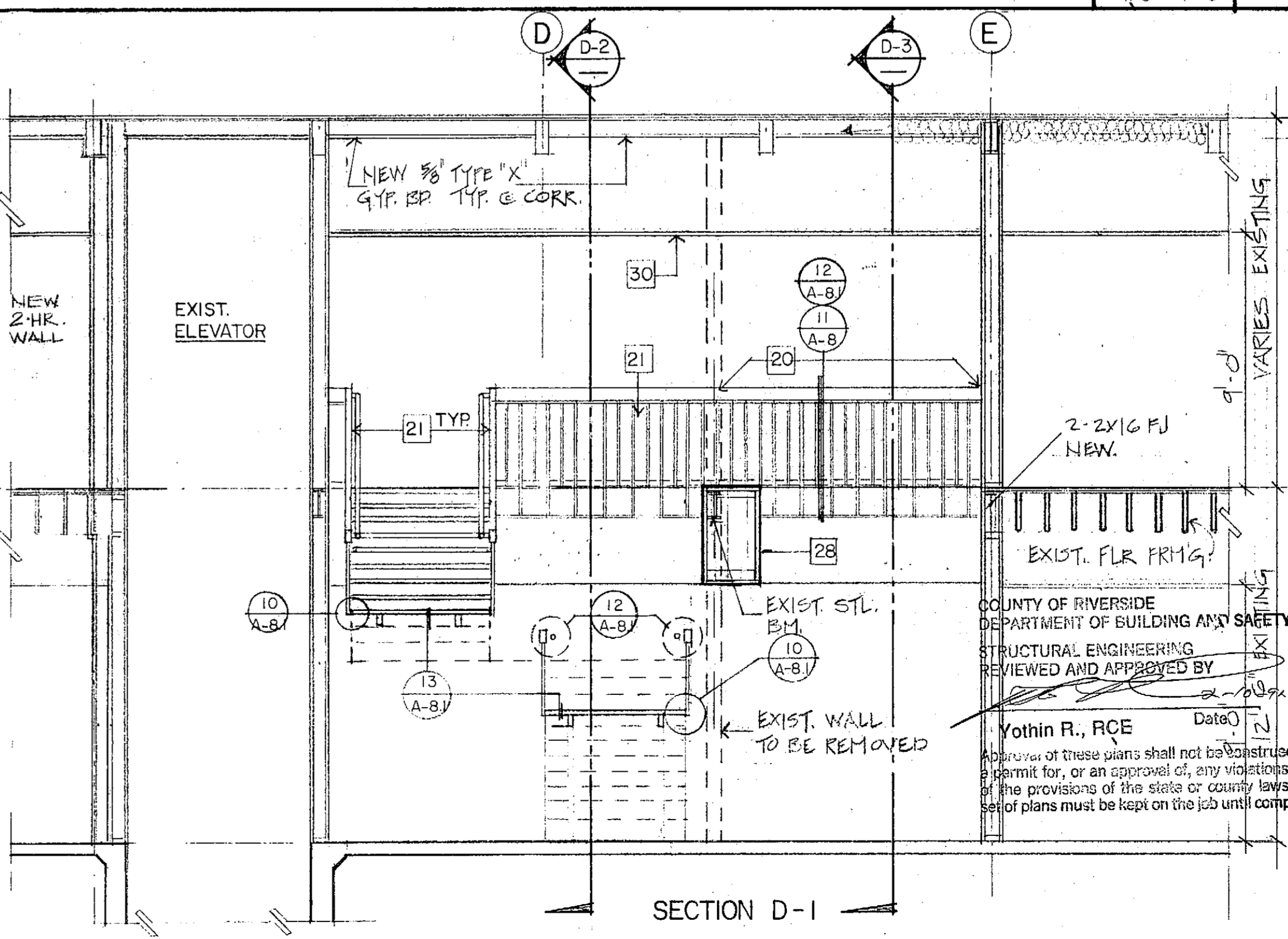
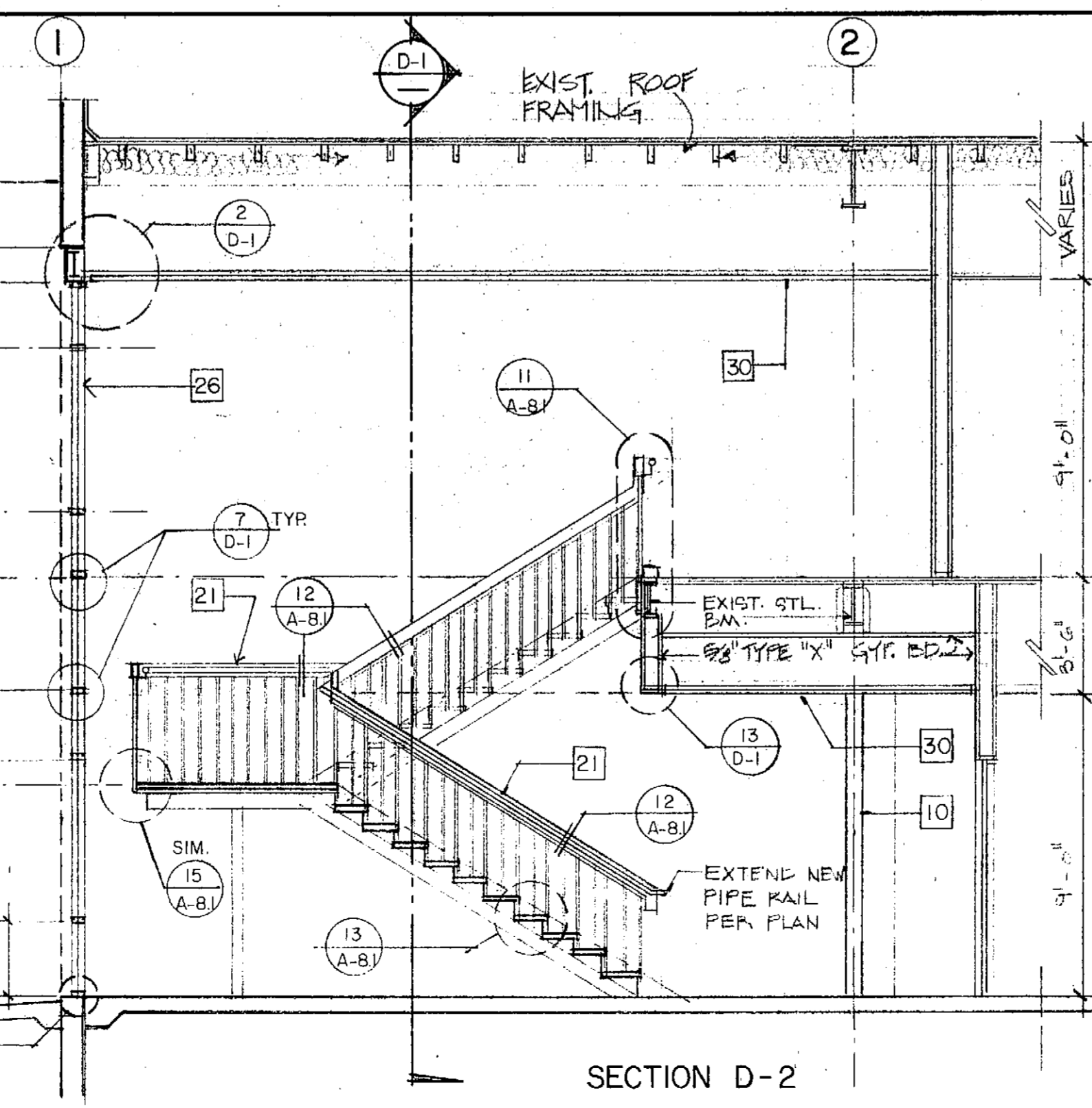
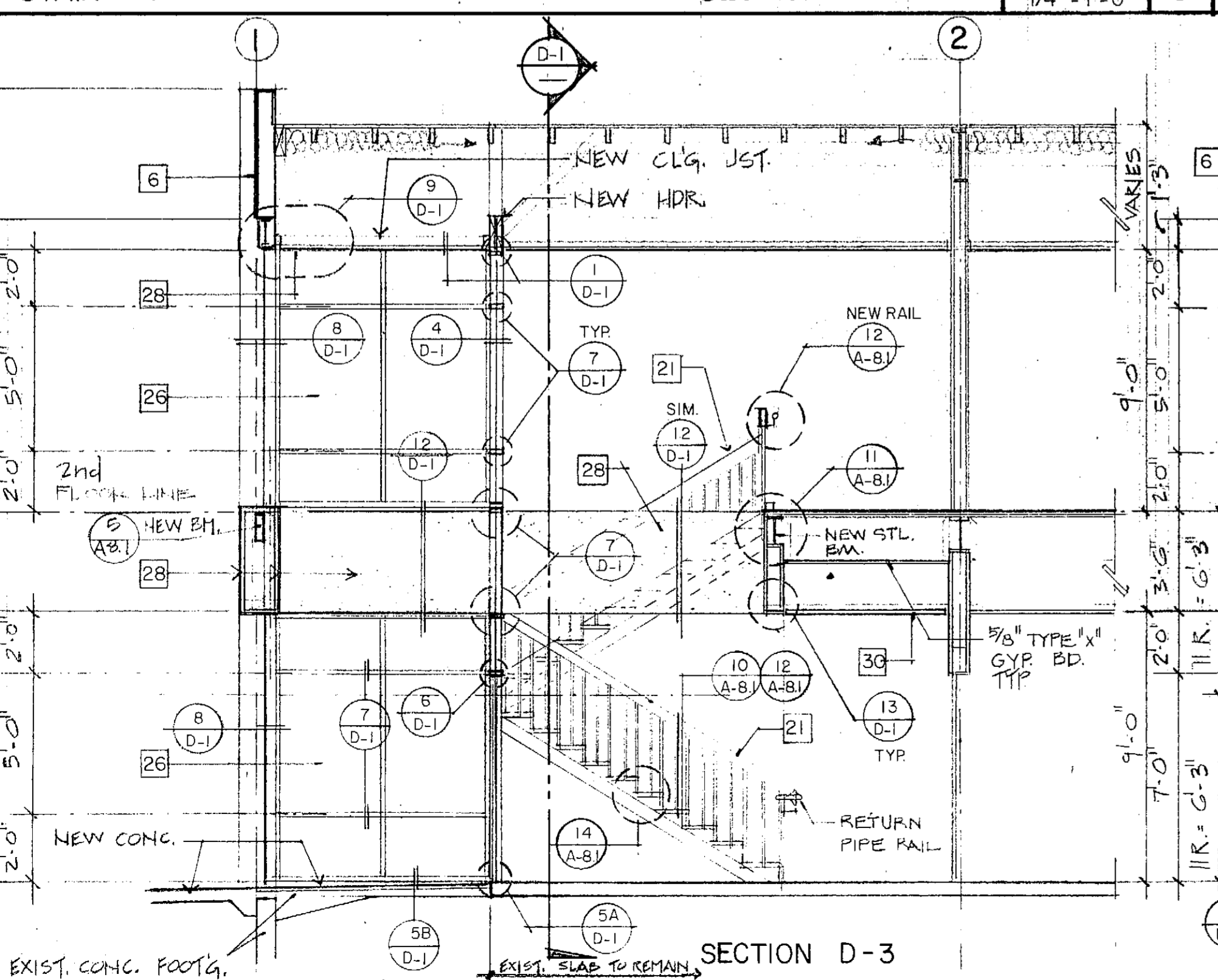
SECTION  
SCALE 1/8" = 1'-0" A



STAIR #1 SECTION  
SCALE 1/4" = 1'-0" C



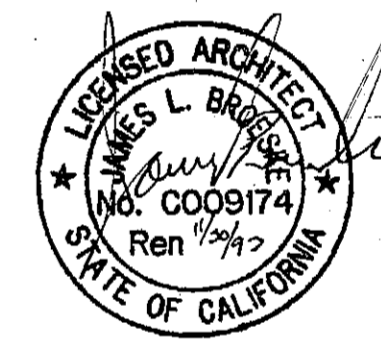
SECTION  
SCALE 1/8" = 1'-0" B



STAIR #2 SECTION  
SCALE 1/4" = 1'-0" D

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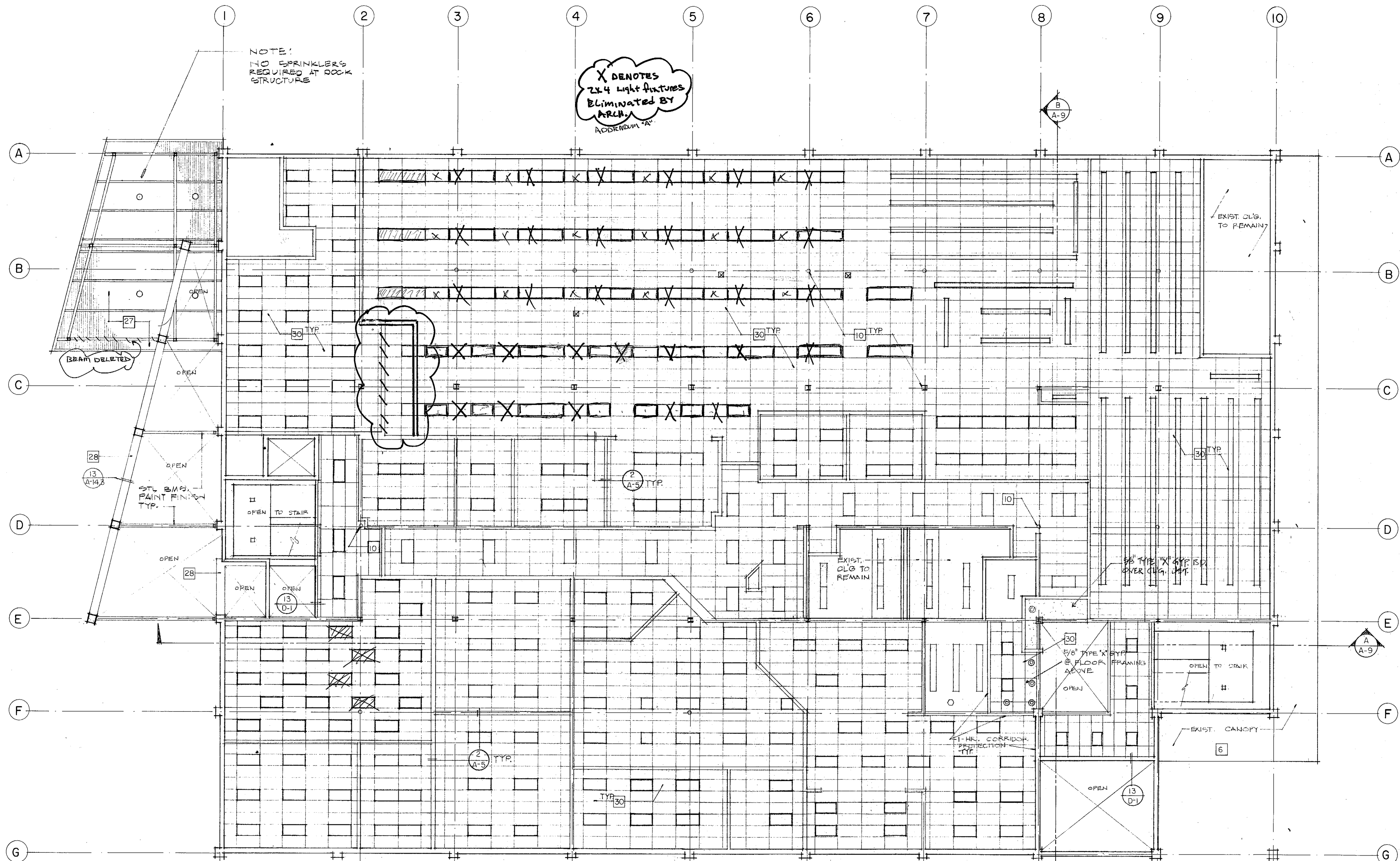


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A-9  
OF SHEETS



- TYPICAL KEY NOTES FOR FLOOR PLANS, EXTERIOR ELEVATIONS AND SECTIONS**  
(ALL ITEMS ARE CONSIDERED NEW AND IN CONTRACT UNLESS NOTED OTHERWISE.)
- EXISTING RECEPTION DESK: CONTRACTOR TO REFINISH PER INTERIOR ELEVATIONS.
  - EXIST. SCORED CONC. TO REMAIN: CLEAN STAIN FREE.
  - EXIST. WINDOW WALL TO REMAIN: PAINT ALL EXISTING METAL AND REPLACE ALL BROKEN GLASS WITH TINTED TO MATCH EXISTING (TEMPERED AS REQUIRED).
  - EXIST. SPLIT FACE CONC. BLOCK (HIGH PRESSURE WATER WASH, NO PAINT).
  - REMOVE EXISTING BLDG. SIGN: PATCH AND FINISH AREA TO MATCH EXISTING. PROVIDE NEW BLDG. SIGN PER SPECS.
  - PAINT ALL EXISTING EXTERIOR FINISHES: PATCH AND REPAIR ALL MATERIALS AS REQUIRED. (SEE PAINT SCHEDULE IN SPECS.) (U.N.O.)
  - 8" CMU WALL: SYNTH. PLAST. FINISH ALL SIDE. (U.N.O.)
  - REMOVABLE G.I. PIPE GUARDRAIL. SEE DETAIL 9/A-14.3.
  - FIXED G.I. PIPE GUARDRAIL. SEE DETAIL 9/A-14.3.
  - EXTRUDED ALUM. COLUMN COVERS: (PROVIDE ROUND OVER EXIST. ROUND COLUMNS AND SQUARE OVER EXISTING "I" SECTIONS AT ALL EXIST. COLUMNS NOT CONCEALED WITHIN WALLS.)
  - NEW SYSTEMS FURNITURE LOCATIONS. (N.I.C.)
  - METAL BOOK SHELF LOCATIONS. (N.I.C.)
  - FURRING AND DRYWALL OVER EXIST. STL. COLUMNS AT WALLS.
  - PUBLIC TELEPHONE (N.I.C.). CONTRACTOR TO COORDINATE INSTALLATION.
  - CABINETRY: SEE INTERIOR ELEVATION.
  - 
  - FIXED HEAVY DUTY STORAGE SHELVES (WOOD).
  - LOCKERS. SEE SPECS.
  - NEW STUD WALL WITH SYNTHETIC PLASTER AT EXTERIOR AND GYP. BD. AT INTERIOR FINISHES.
  - NEW GUARDRAIL. SEE DETAIL 11/A-8.1.
  - MODIFY EXISTING GUARDRAIL: PER DETAIL 10/A-8.1 AT STAIR HANDRAIL AND PER DETAIL 14/A-8.1 AT GUARDRAIL.
  - EXIST. GUARDRAIL TO REMAIN.
  - FURRED WALL OVER EXIST. WALL.
  - EXIST. FURNITURE/CABTS. TO BE RELOCATED BY OWNER. (N.I.C.)
  - TACK OR CHALK BOARD PER INTERIOR ELEVATIONS.
  - NEW ALUMINUM STORE FRONT WITH TINTED GLASS: TEMPERED WHERE REQUIRED. (PAINT FINISH.)
  - DOCK COVER STRUCTURE. SEE DETAIL A-14 (PAINT FINISH).
  - SYNTHETIC PLASTER FINISH.
  - 2"x4" T-BAR CEILING SYSTEM: RE-USE EXIST. PANELS AND/OR PROVIDE NEW PANELS TO COMPLETE THE LAYOUT AS REQUIRED. (PROVIDE NEW SUSPENSION SYSTEM PER DETAIL 1/A-7).
  - 
  - HOLLOW METAL WINDOW AND/OR DOOR FRAME (WITH TEMPERED GLASS AS REQUIRED).
  - NEW G.I. PIPE HANDRAIL. SEE DETAIL 2/A-1 (GUARDRAIL SIMILAR).

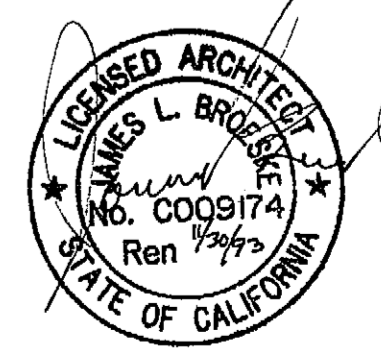
X DENOTES  
2x4 LIGHT FIXTURES  
ELIMINATED BY  
ARCH.  
ADDENDUM 'A'

ZOOM:  
2x4 LIGHT FIXTURES  
ELIMINATED BY  
ARCH.  
ADDENDUM 'A'

NOTE:  
PROVIDE DRAFT STOPS AS  
REQUIRED PER UBC SECT. 2516(F)

FIRST FLOOR REFLECTED CEILING PLAN

SCALE 1/8" = 1'-0"



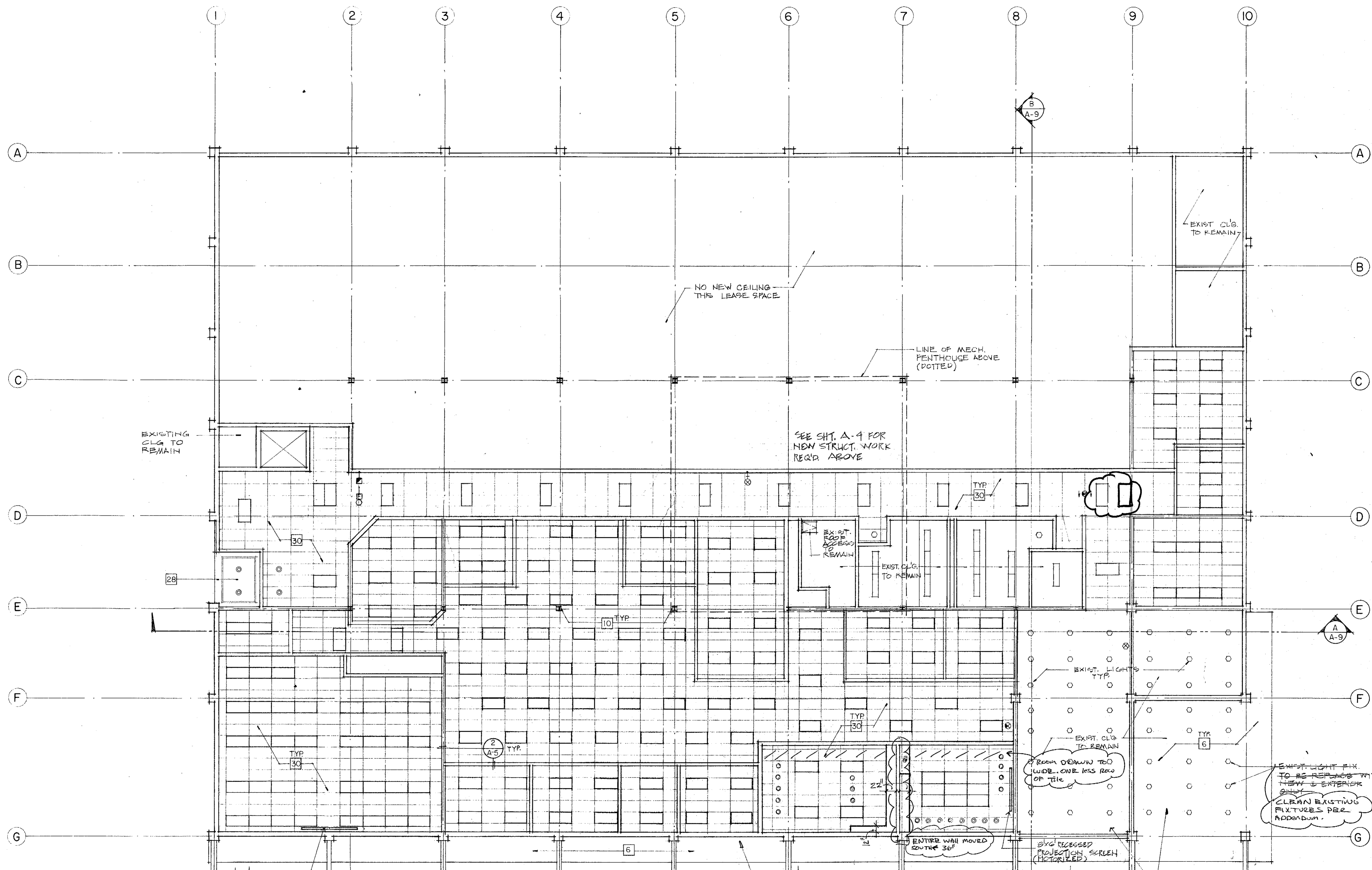
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RIVERSIDE Library Headquarters  
3021 Franklin Street  
Riverside, Ca.

DRAWN	E.H.
CHECKED	J.P.
DATE	12-12-91
SCALE	1/8" = 1'-0"
JOB NO.	91002
SHEET	A-10

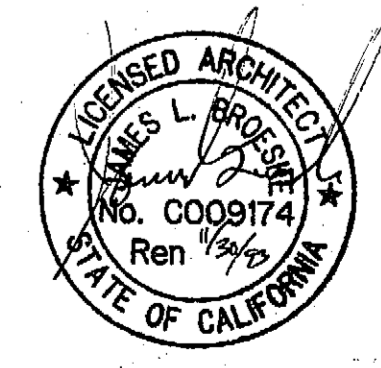


10x6 RECESSED PROJECTION SCREEN (MOTORIZED)

NOTE: PROVIDE DRAFT TOPS AS REQUIRED PER UBC SECT. 2510 (F)

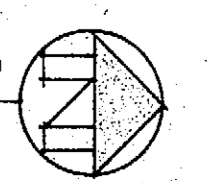
NOTE: FIRE SPRINKLER SUB CONTRACTOR TO COORDINATE WITH ARCHITECT FOR NEW SPRINKLER LINE AT ALL AREAS VISIBLE (OBTAIN ARCHITECT APPROVAL PRIOR TO AGENCY SUBMITTAL.) (SEE SHT. T-5 FOR STRUCT. REQUIREMENTS)

EXIST. LIGHT FIX. TO BE REPLACED WITH NEW & EXTERIOR ONLY. CLEAN EXISTING FIXTURES PER ADDENDUM.



SECOND FLOOR REFLECTED CEILING PLAN

SCALE 1/8" = 1'-0"



REVISIONS	BY

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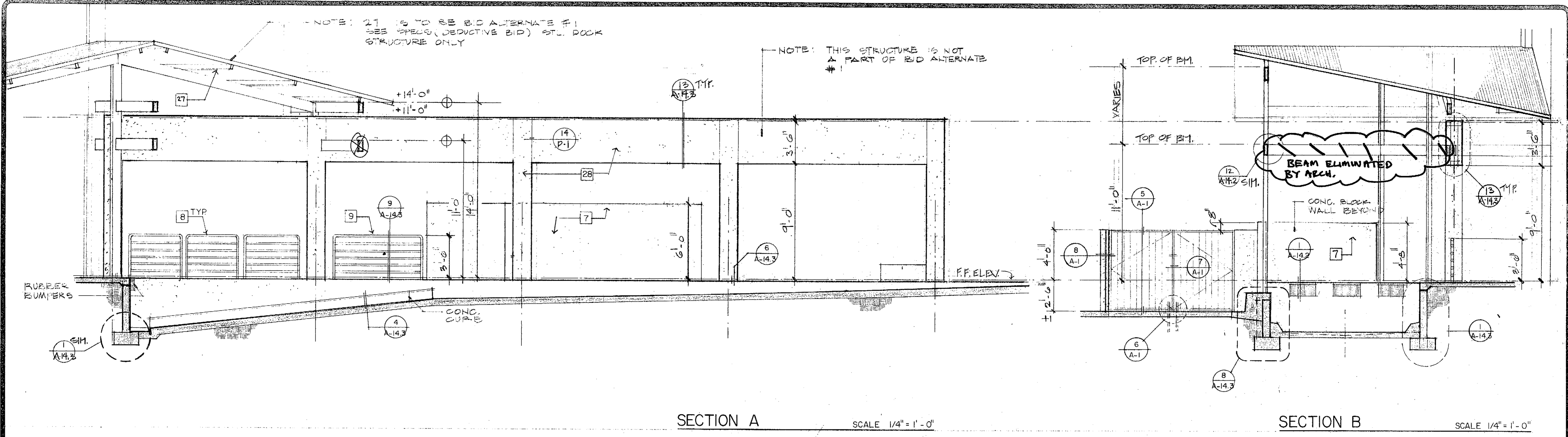
RIVERSIDE Library Headquarters  
 3021 Franklin Street  
 Riverside, Ca.

DRAWN	BT
CHECKED	LE
DATE	12-10-91
SCALE	1/8" = 1'-0"
JOB NO.	91002
SHEET	

A-11  
 OF SHEETS





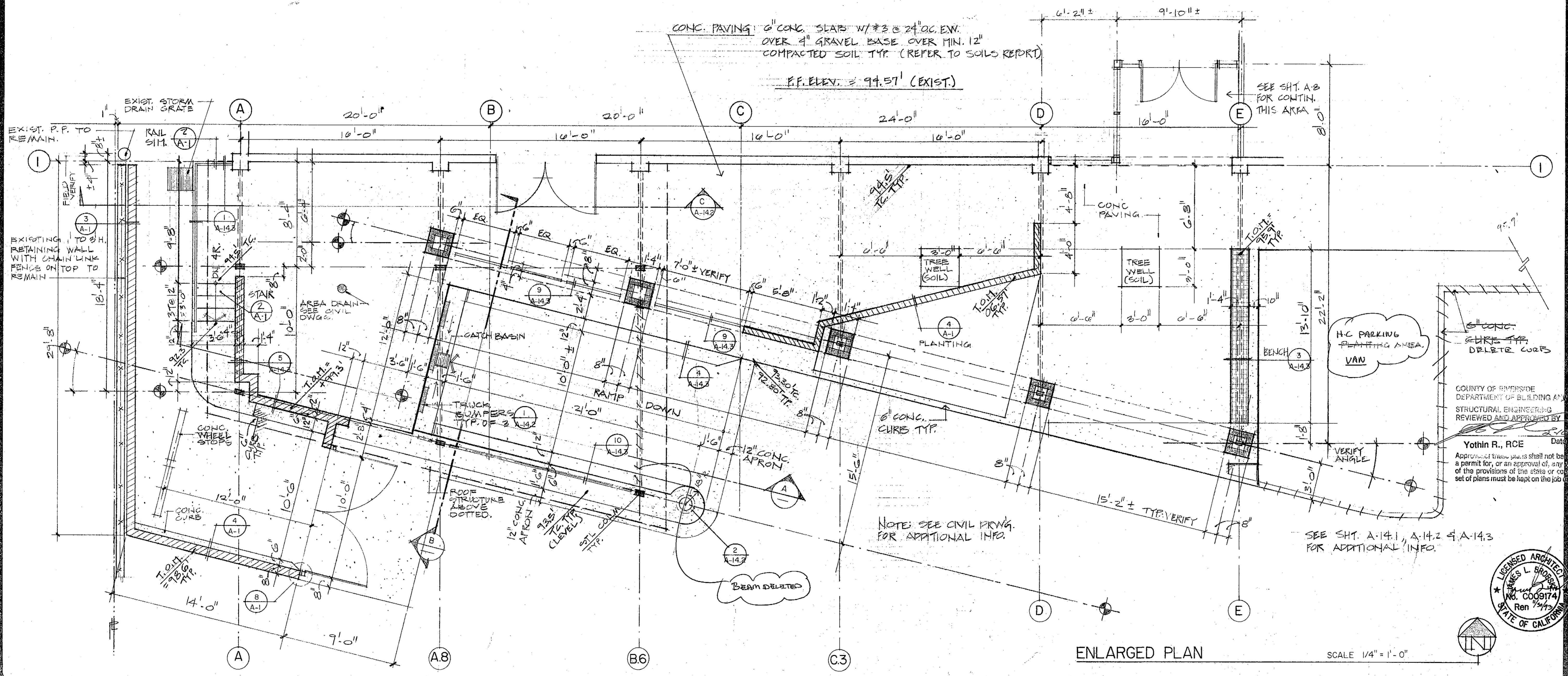


SECTION A

SCALE 1/4" = 1'-0"

SECTION B

SCALE 1/4" = 1'-0"



ENLARGED PLAN

SCALE 1/4" = 1'-0"

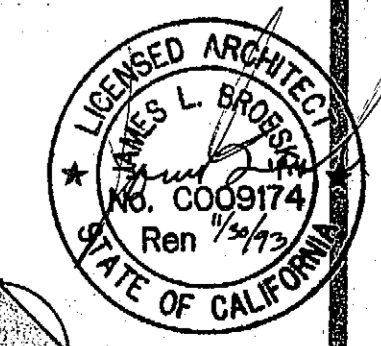
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**RIVERSIDE Library Headquarters**  
 3021 Franklin Street  
 Riverside, Ca.

COUNTY OF RIVERSIDE  
 DEPARTMENT OF BUILDING AND SAFETY  
 STRUCTURAL ENGINEERING  
 REVIEWED AND APPROVED BY  
 Yothin R., RCE  
 Date: 12-10-91



DRAWN	R.M. J.E.
CHECKED	J.B.
DATE	12-10-91
SCALE	1/4" = 1'-0"
JOB NO.	91002
SHEET	
<b>A-14</b>	
OF	SHEETS

REVISIONS	BY

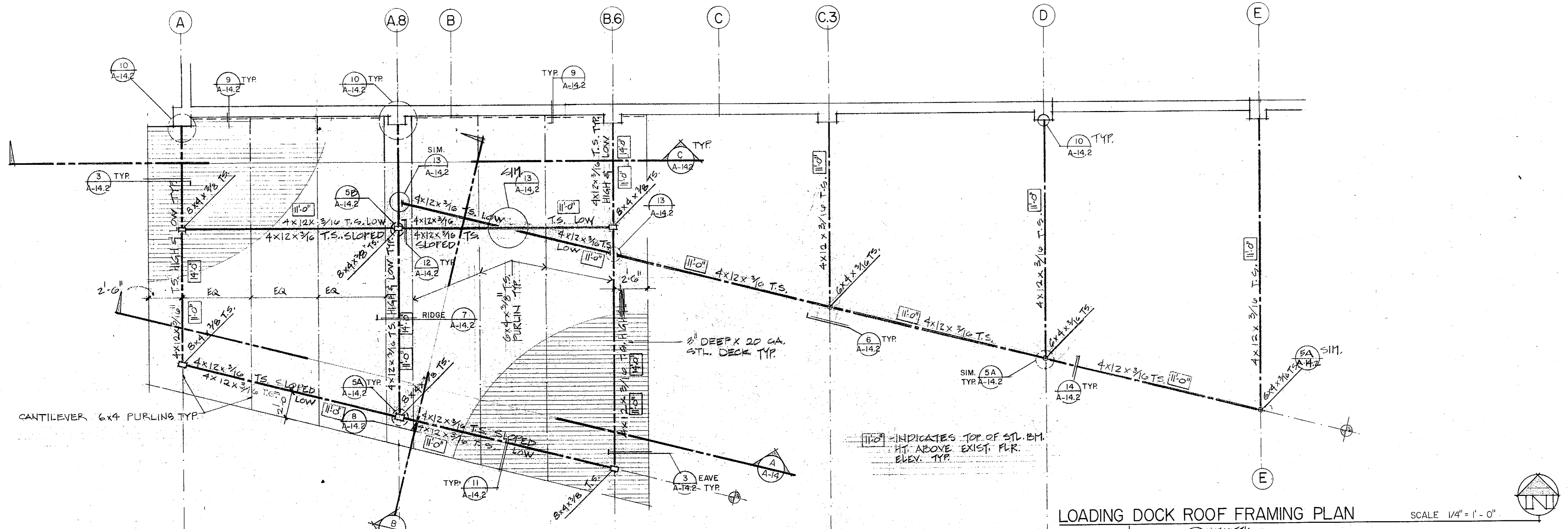
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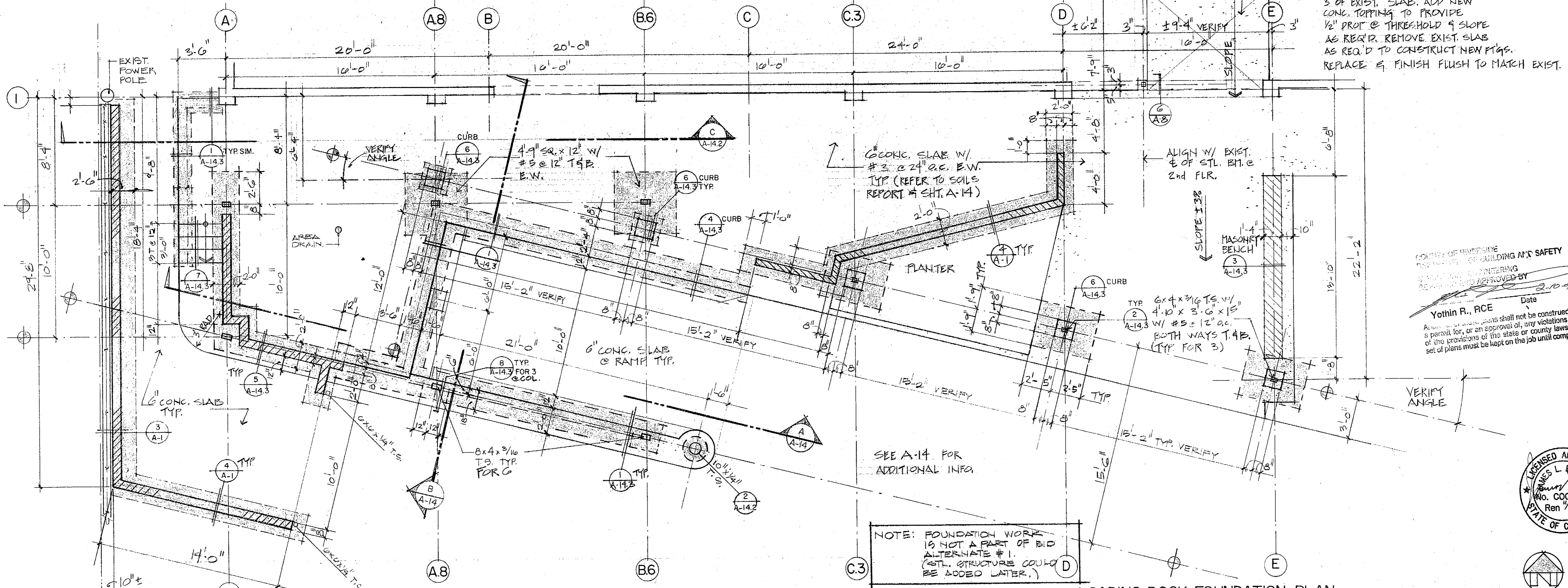
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DRAWN	J.E.
CHECKED	J.E.
DATE	12-12-91
SCALE	1/4" = 1'-0"
JOB NO.	91002
SHEET	

**A-14.1**



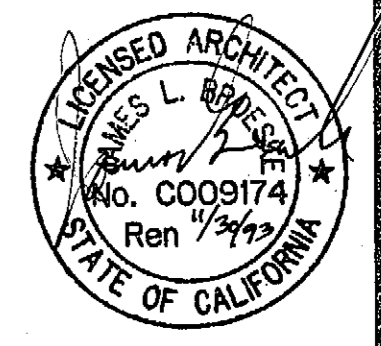
**LOADING DOCK ROOF FRAMING PLAN** SCALE 1/4" = 1'-0"



**LOADING DOCK FOUNDATION PLAN** SCALE 1/4" = 1'-0"

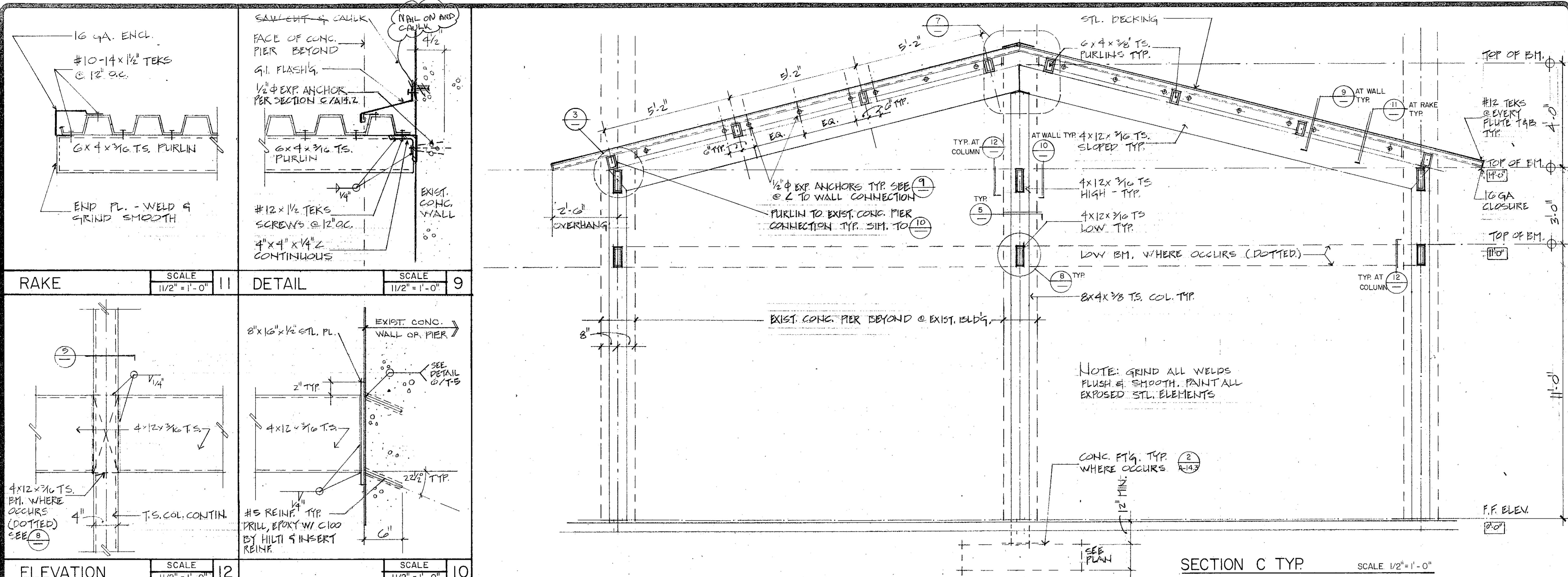
SAW CUT & REMOVE TOP 3" OF EXIST. SLAB. ADD NEW CONC. TOPPING TO PROVIDE 1/2" PROF @ THRESHOLD & SLOPE AS REQ'D. REMOVE EXIST. SLAB AS REQ'D TO CONSTRUCT NEW FT'GS. REPLACE & FINISH FLUSH TO MATCH EXIST.

COUNTY OF RIVERSIDE  
 DEPARTMENT OF BUILDING AND SAFETY  
 REVIEWED AND APPROVED BY  
 YOTHIN R. RICE  
 Date: 2-10-92



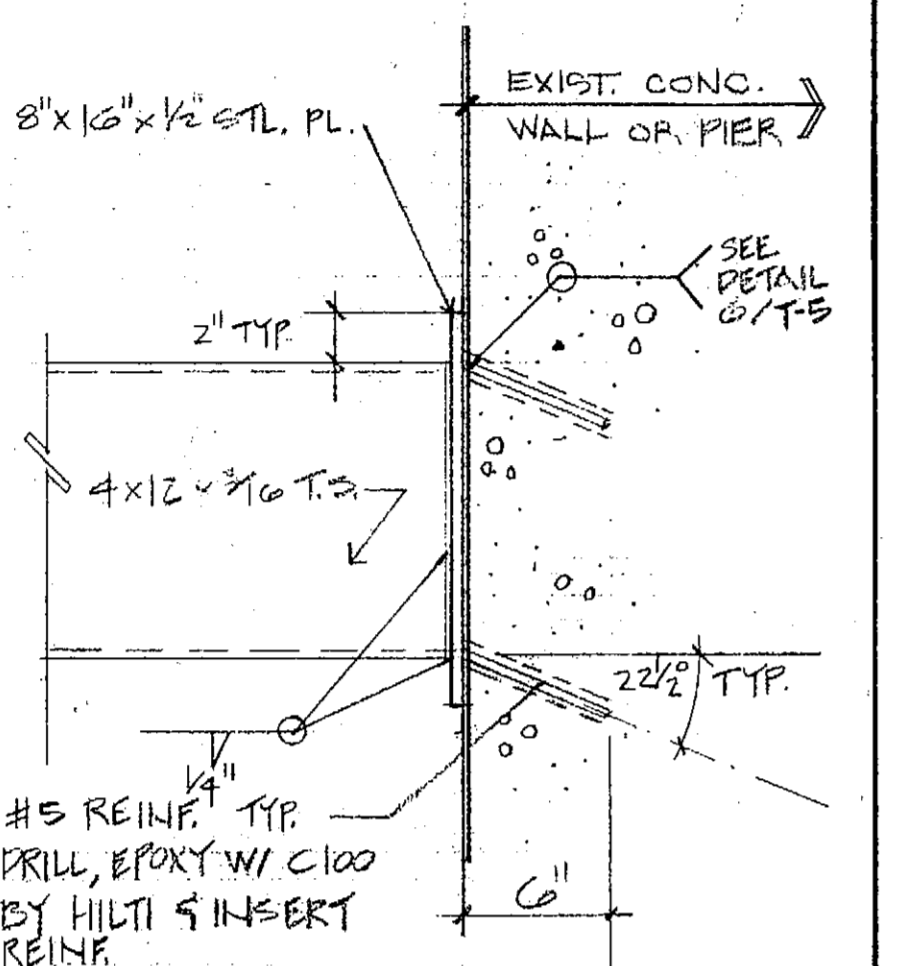
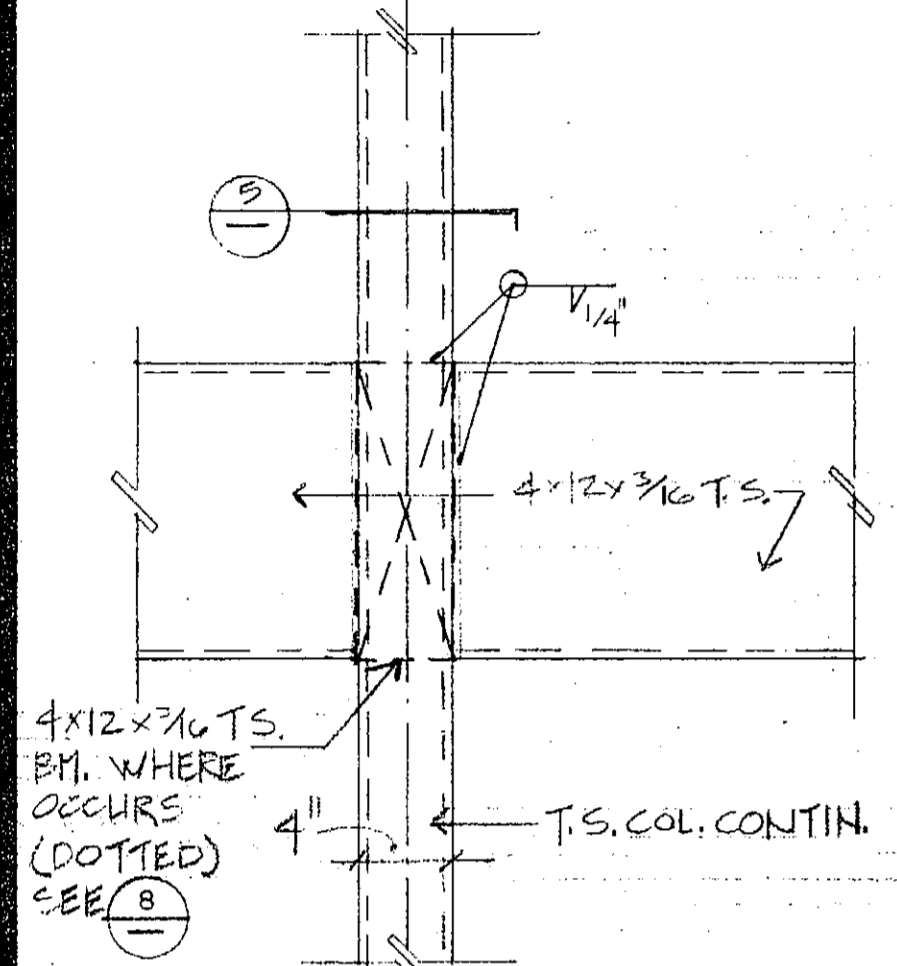
NOTE: FOUNDATION WORK IS NOT A PART OF BID ALTERNATE #1. (STL. STRUCTURE COULD BE ADDED LATER.)

SEE A-14 FOR ADDITIONAL INFO



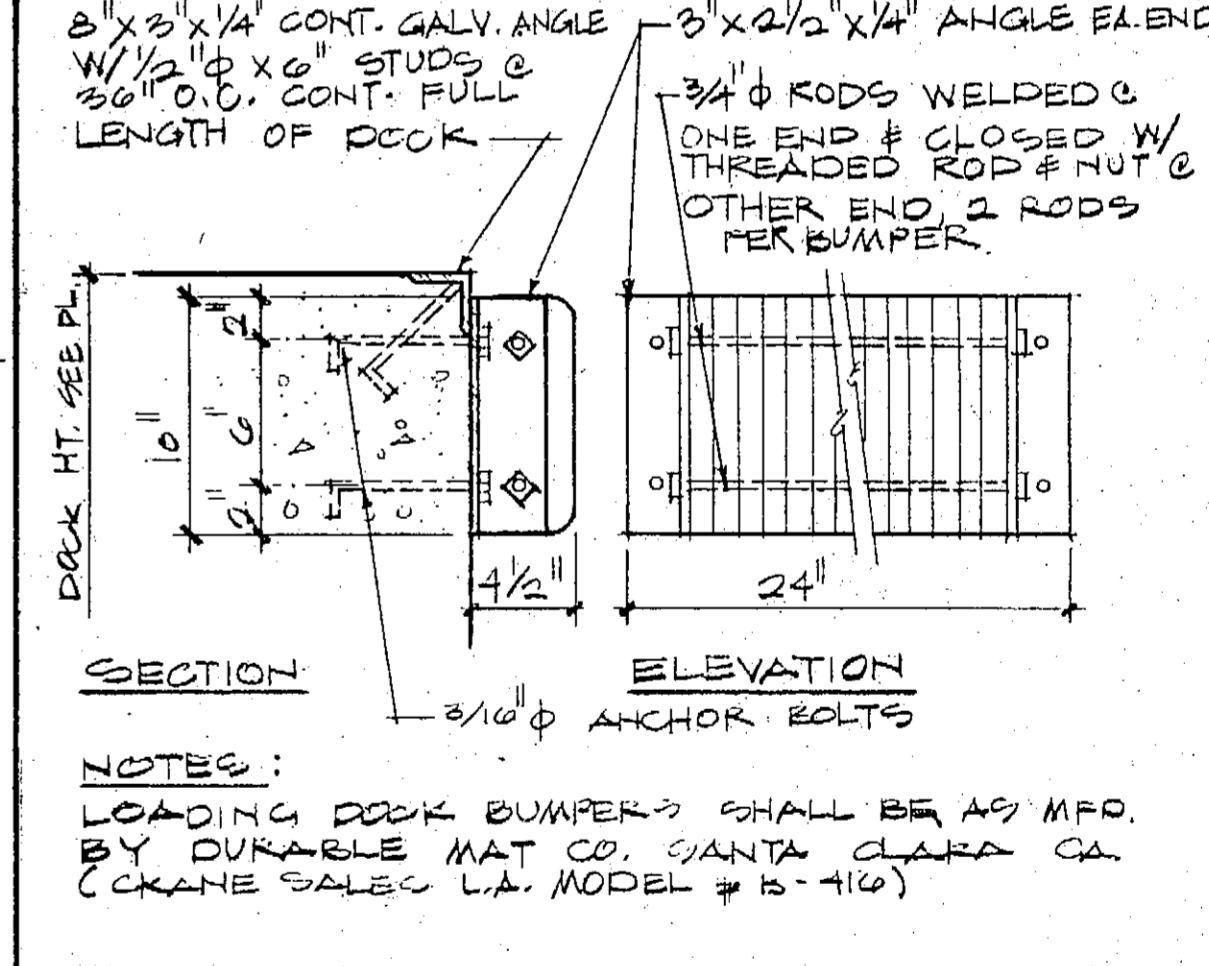
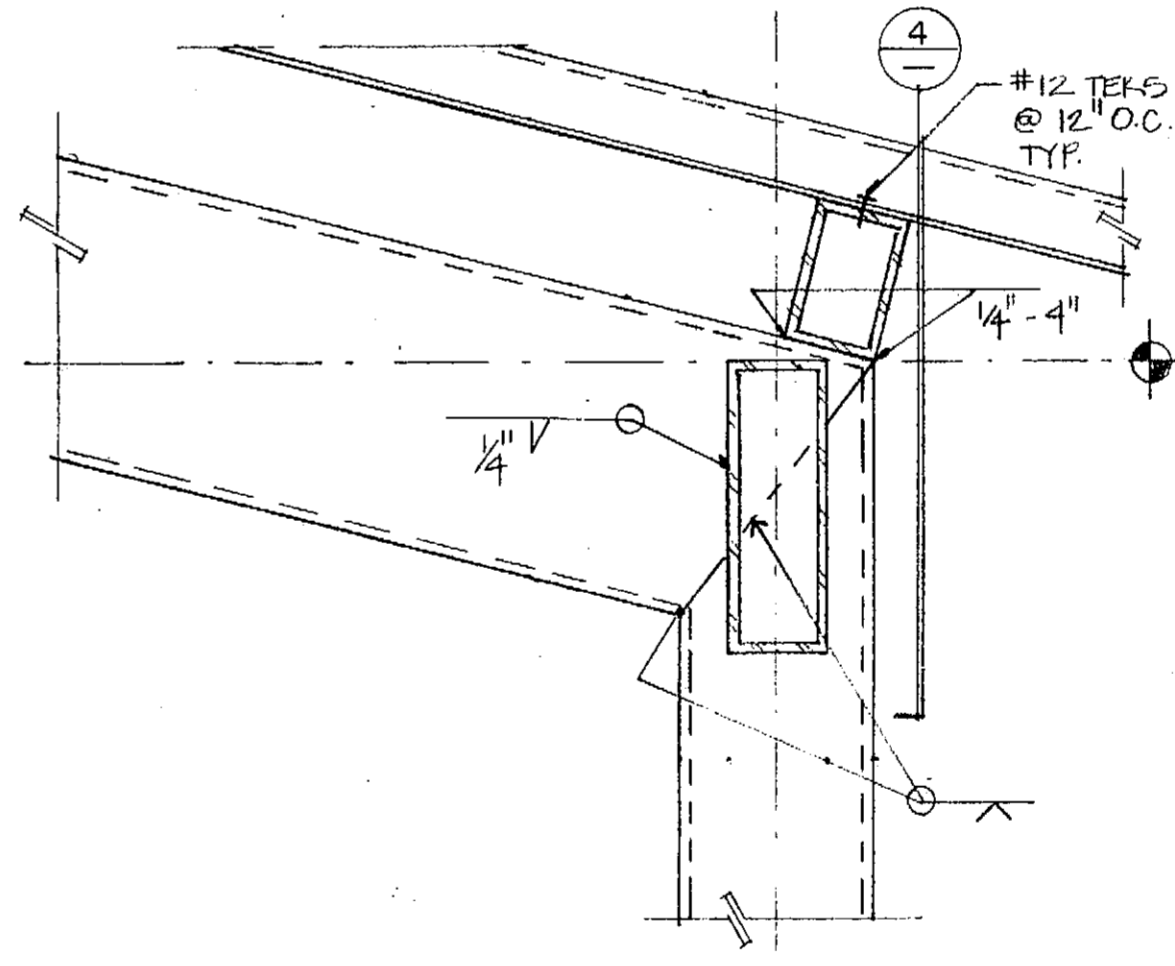
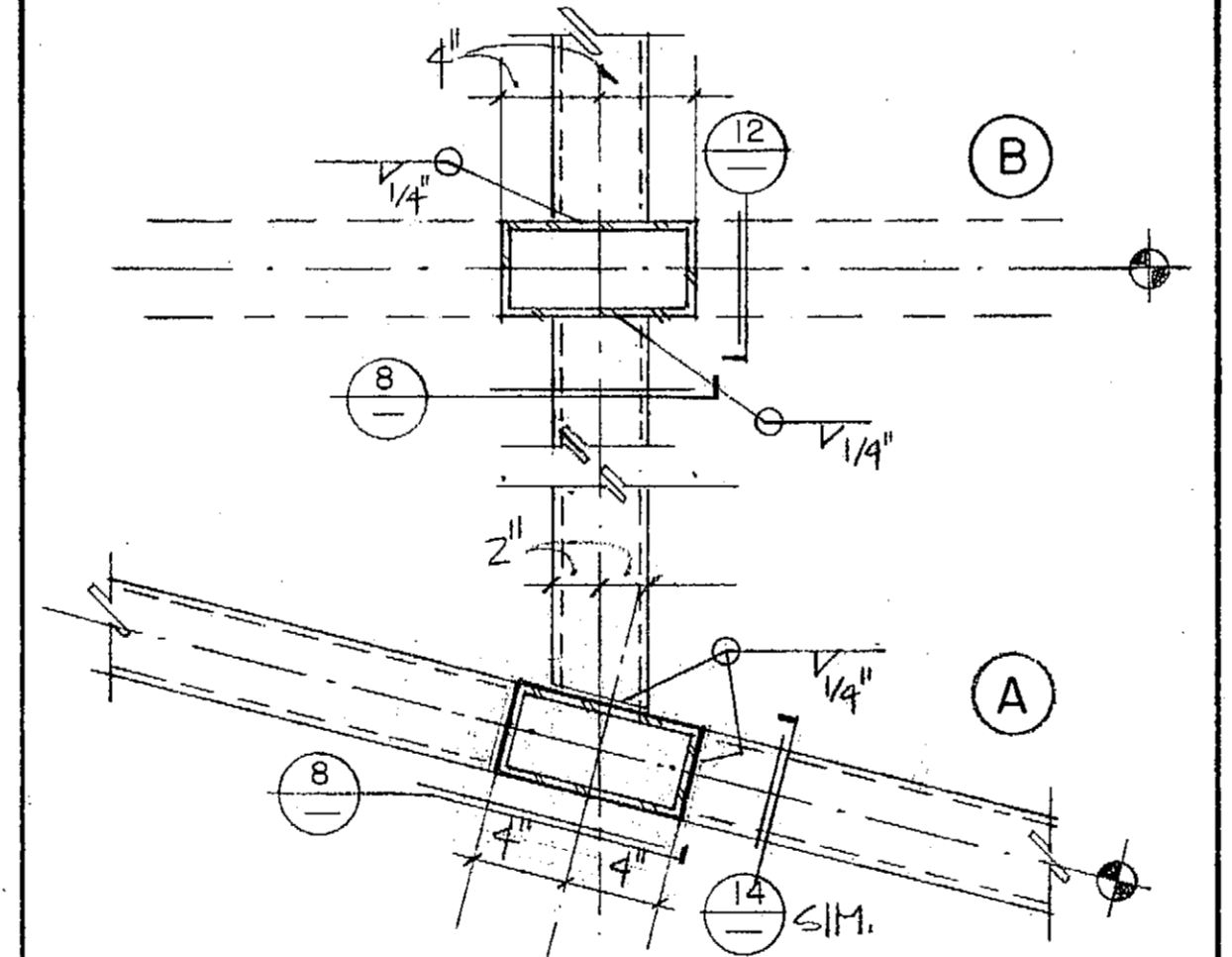
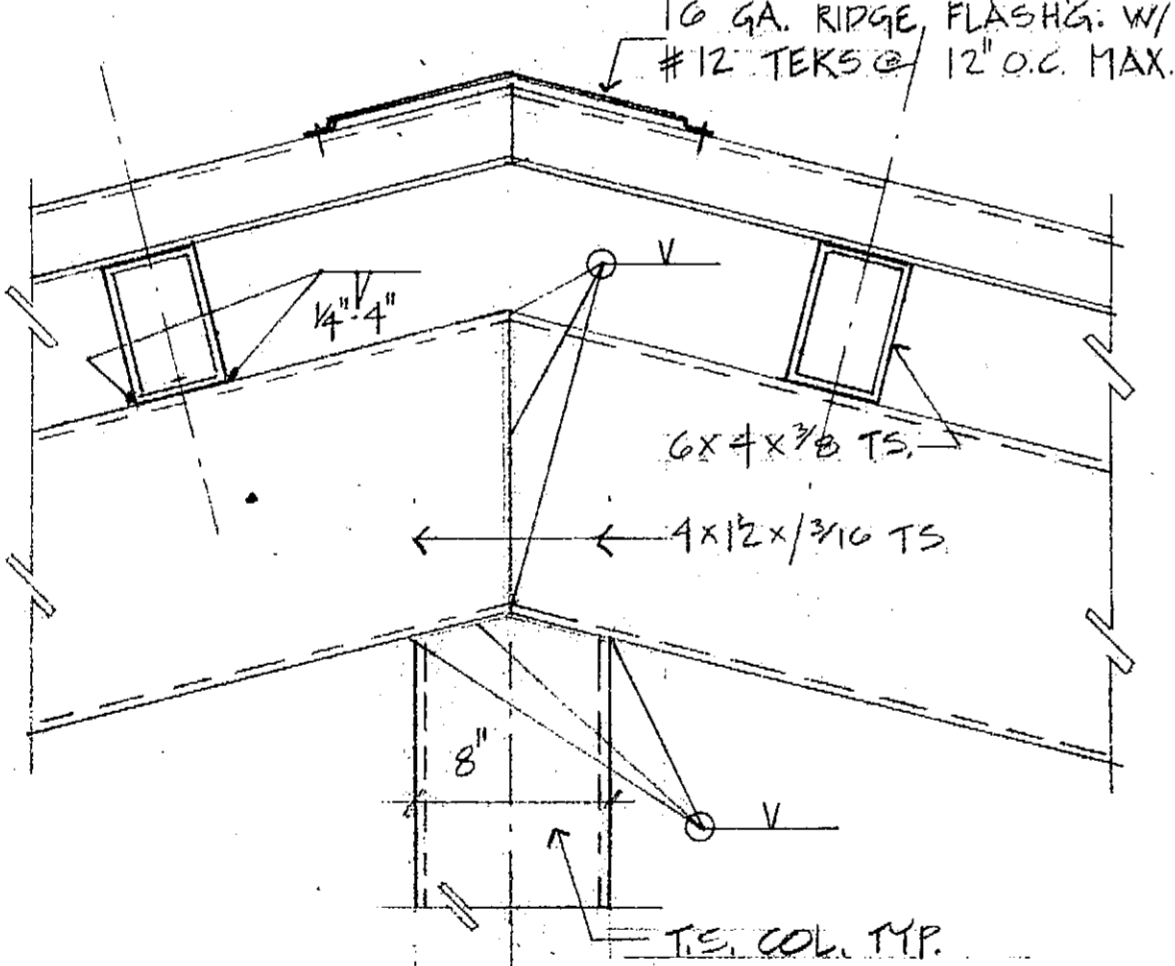
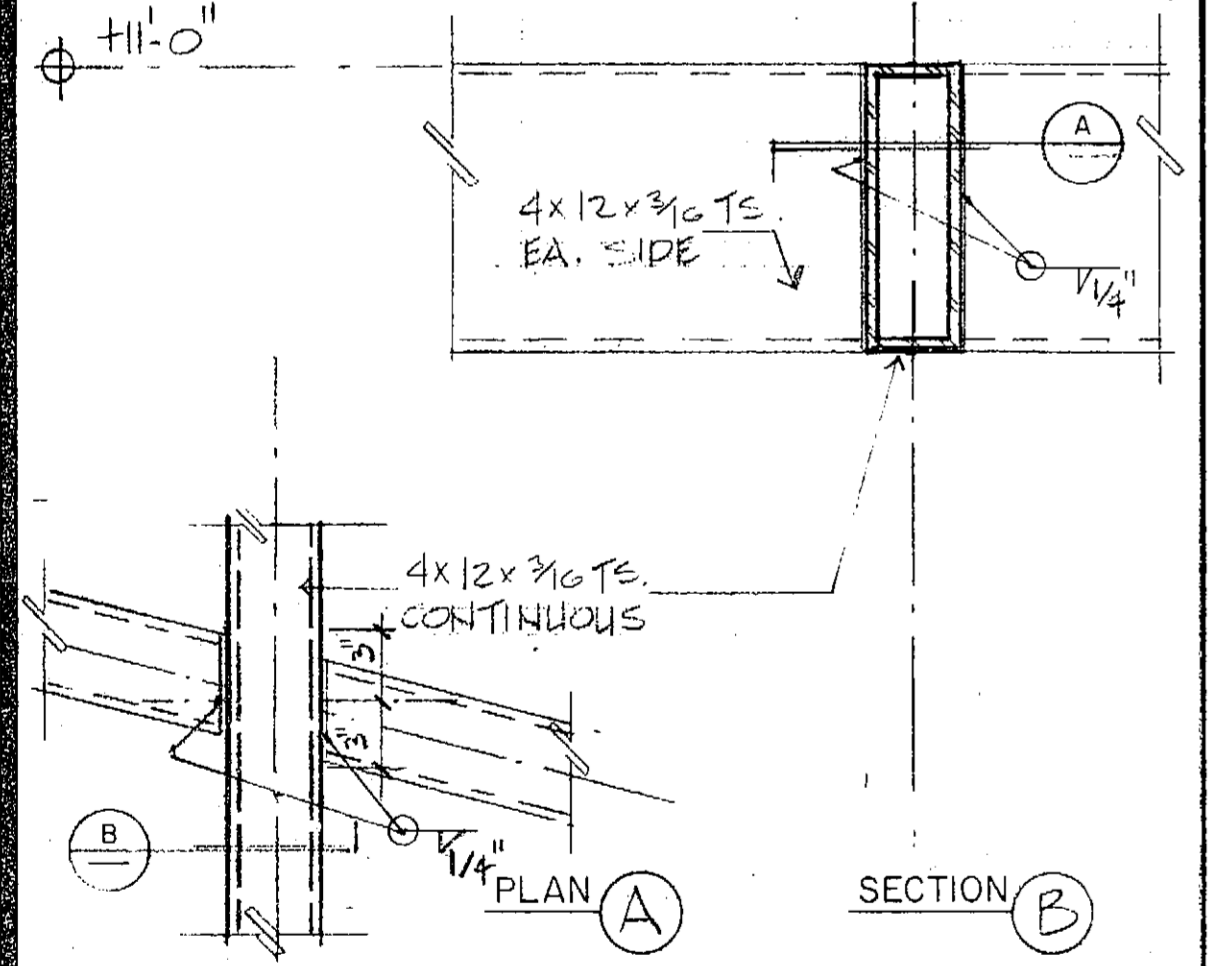
RAKE SCALE 1/2" = 1'-0" 11

DETAIL SCALE 1/2" = 1'-0" 9



ELEVATION SCALE 1/2" = 1'-0" 12

ELEVATION SCALE 1/2" = 1'-0" 10



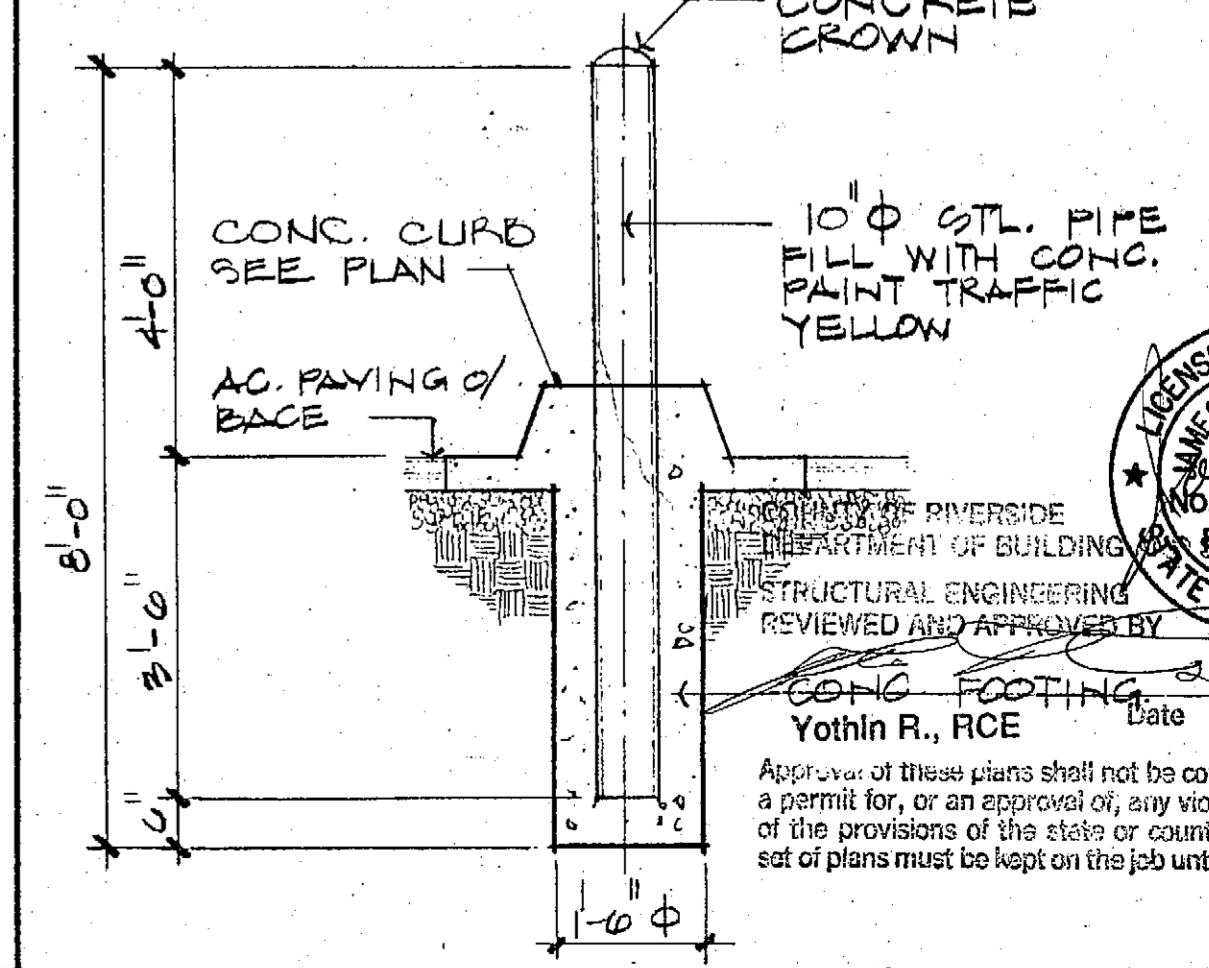
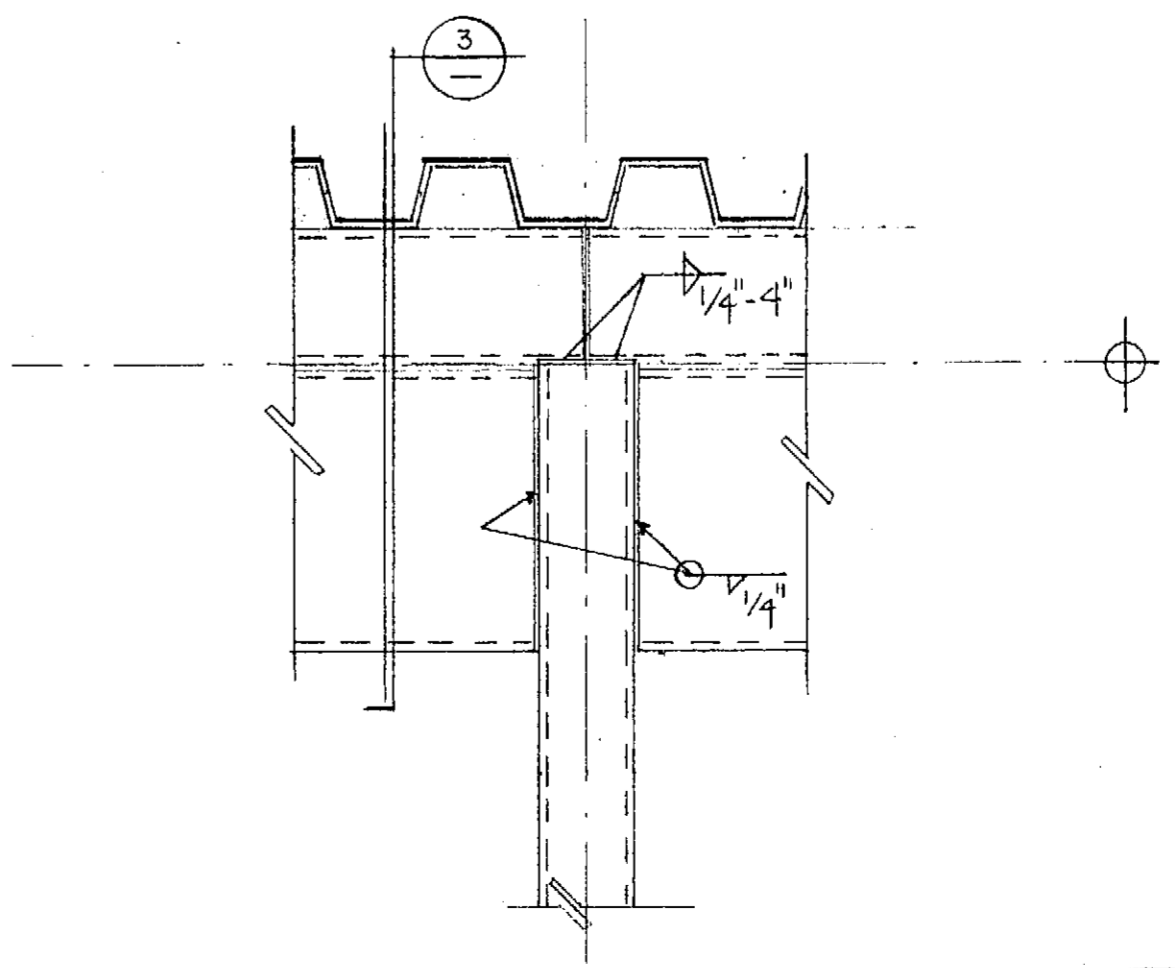
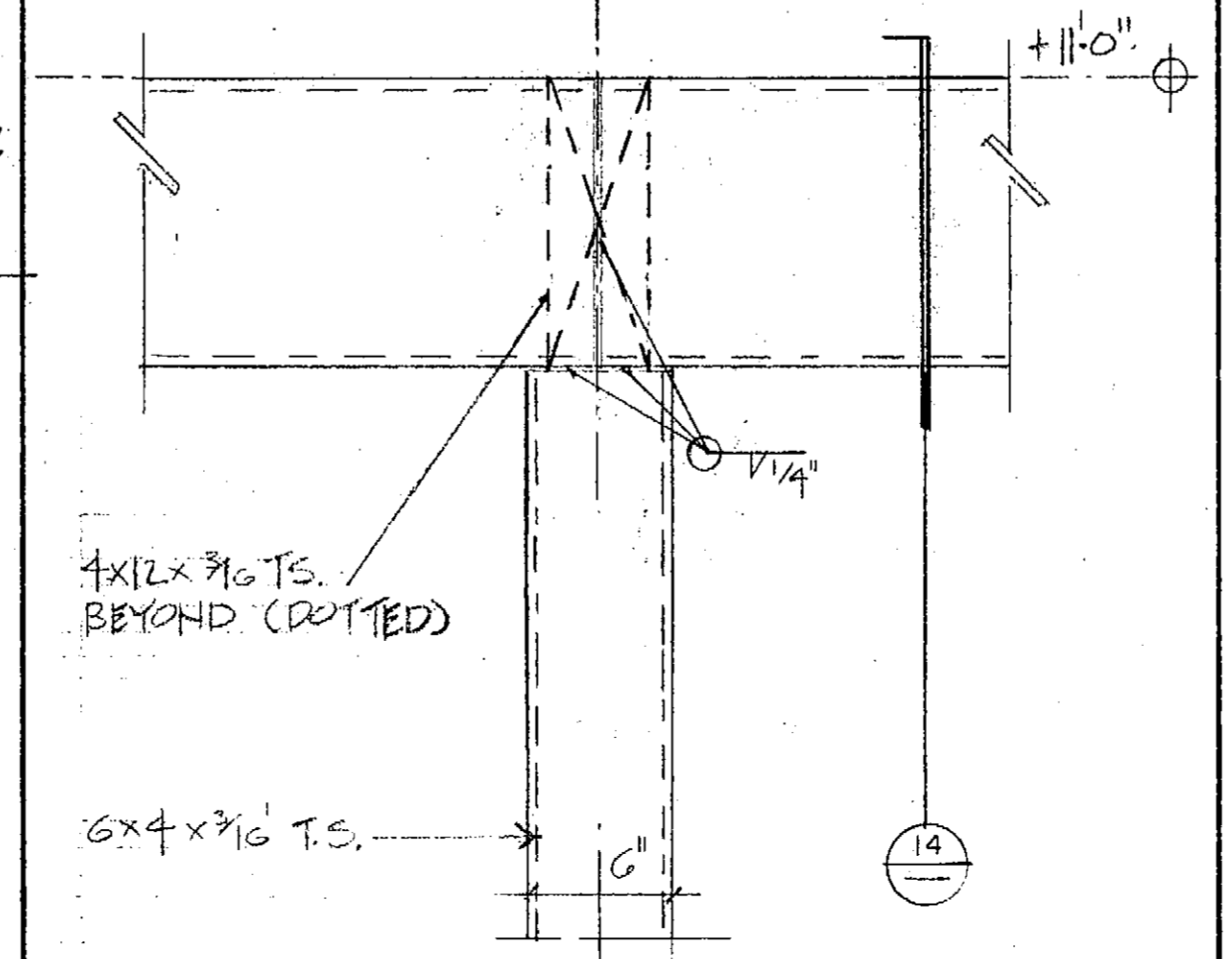
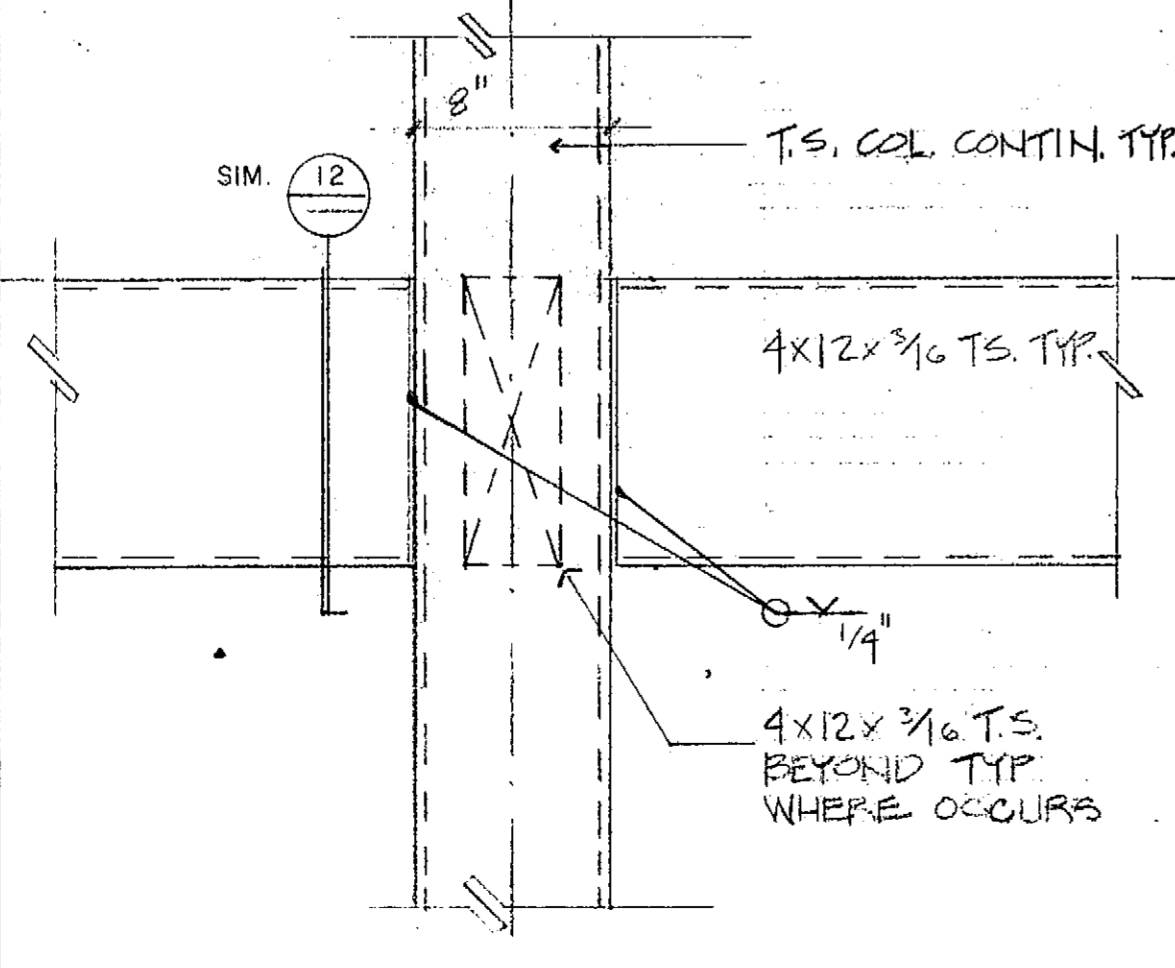
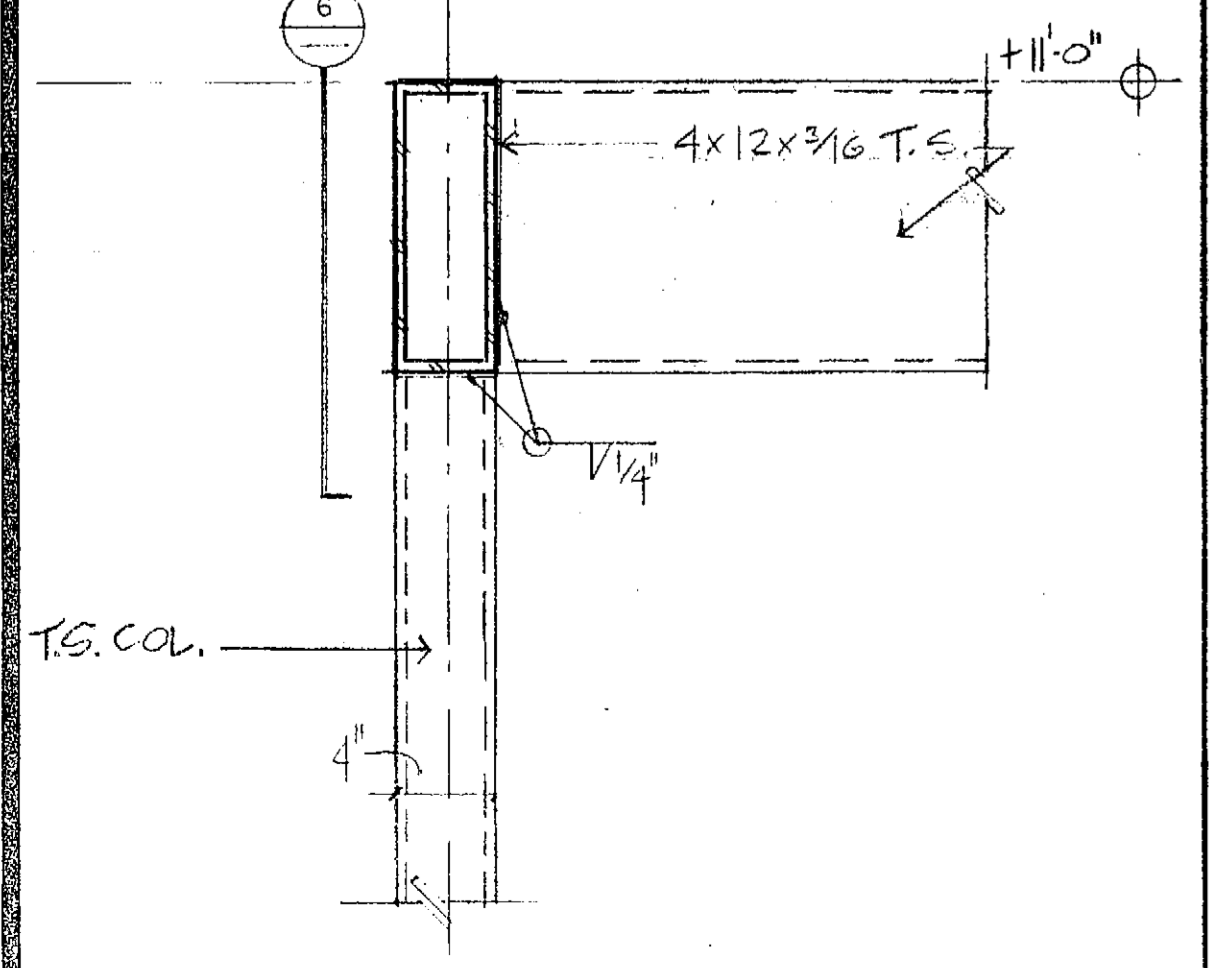
CONNECTION SCALE 1/2" = 1'-0" 13

RIDGE SCALE 1/2" = 1'-0" 7

PLAN AT COLUMNS SCALE 1/2" = 1'-0" 5

EAVE SCALE 1/2" = 1'-0" 3

DOCK BUMPERS SCALE 1/2" = 1'-0" 1



ELEVATION SCALE 1/2" = 1'-0" 14

ELEVATION SCALE 1/2" = 1'-0" 8

ELEVATION SCALE 1/2" = 1'-0" 6

ELEVATION SCALE 1/2" = 1'-0" 4

PIPE GUARD SCALE 1/2" = 1'-0" 2

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RIVERSIDE Library Headquarters  
3021 Franklin Street  
Riverside, Ca.

APPROVED ARCHITECT  
L. BROESKE  
160001  
STATE OF CALIFORNIA

APPROVED BY  
YOTHIN R., RCE  
Date: 12-13-91

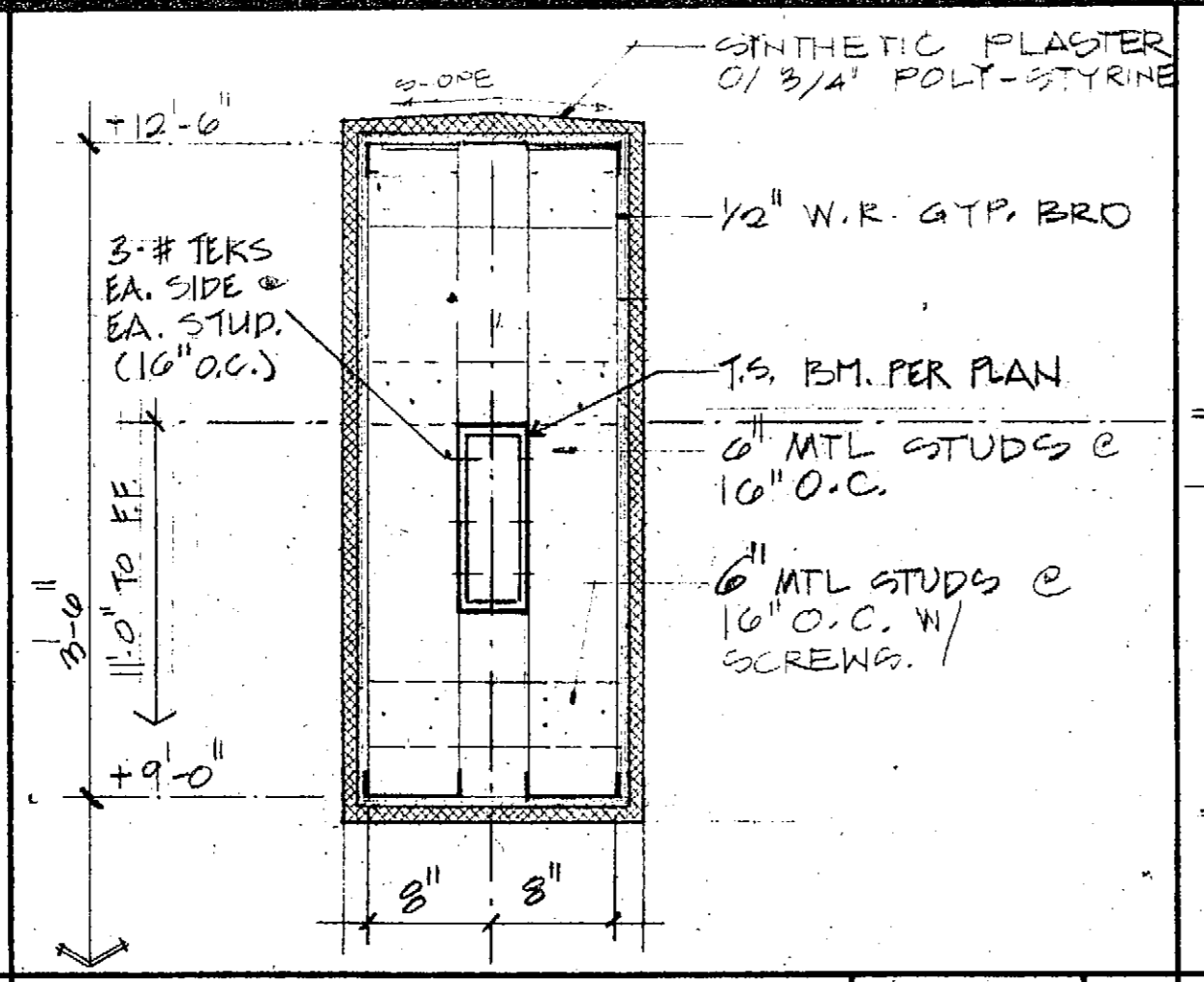
APPROVAL OF THESE PLANS SHALL NOT BE CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF, ANY VIOLATIONS OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. THIS SET OF PLANS MUST BE KEPT ON THE JOB UNTIL COMPLETION.

DRAWN	J.P. RM
CHECKED	J.E.
DATE	12-13-91
SCALE	AS NOTED
JOB NO.	91002
SHEET	

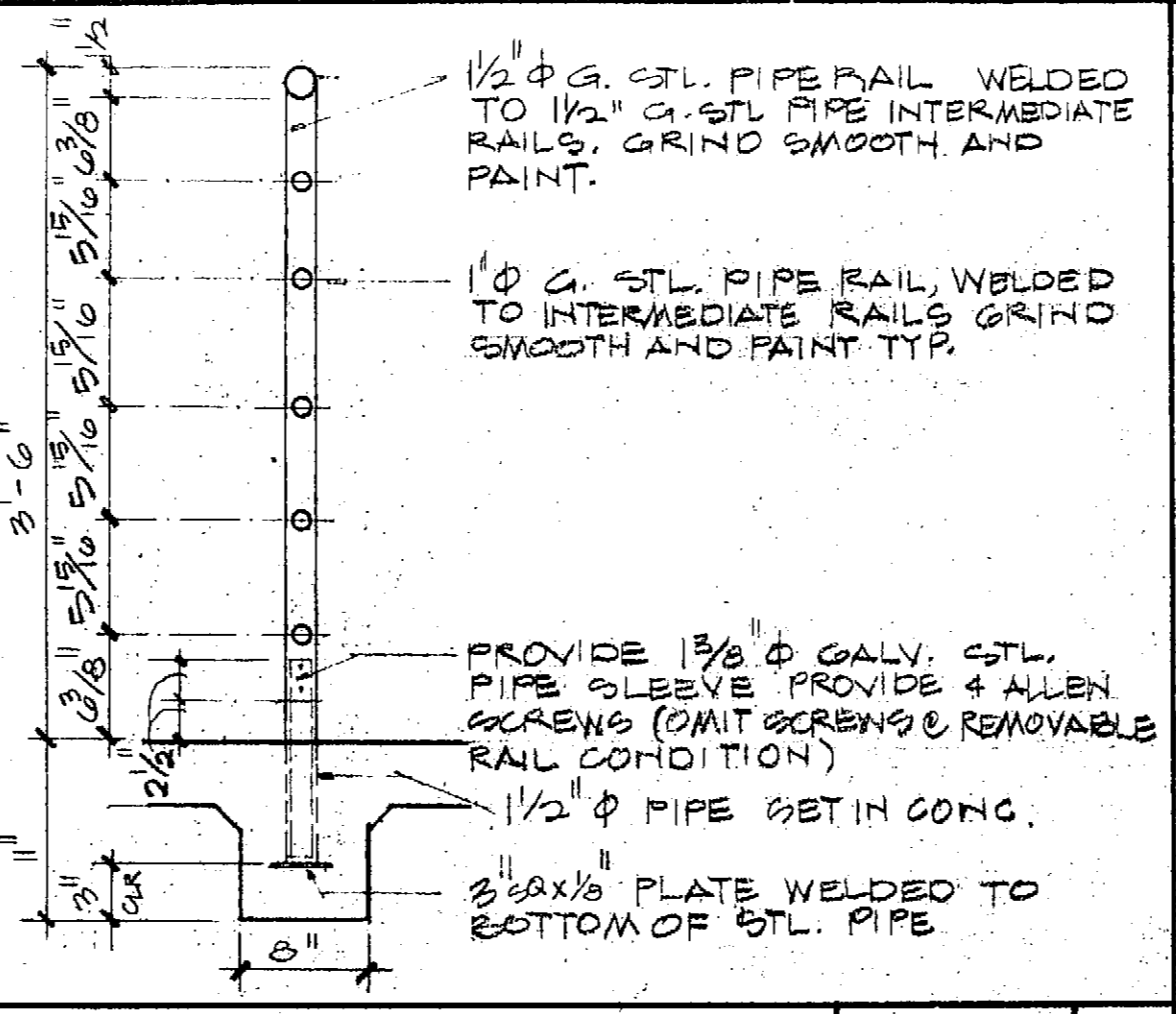
A-14.2

OF SHEETS

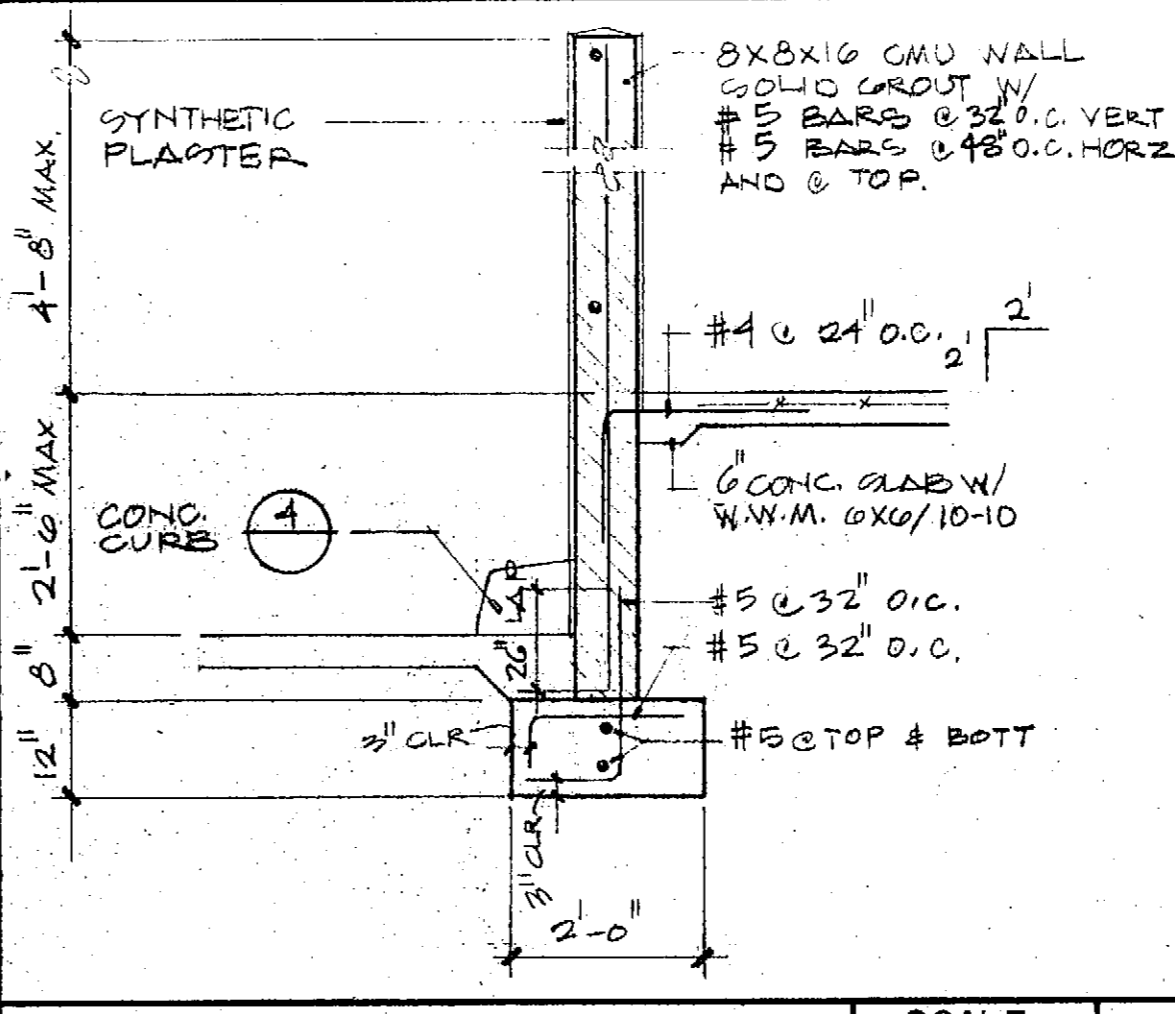




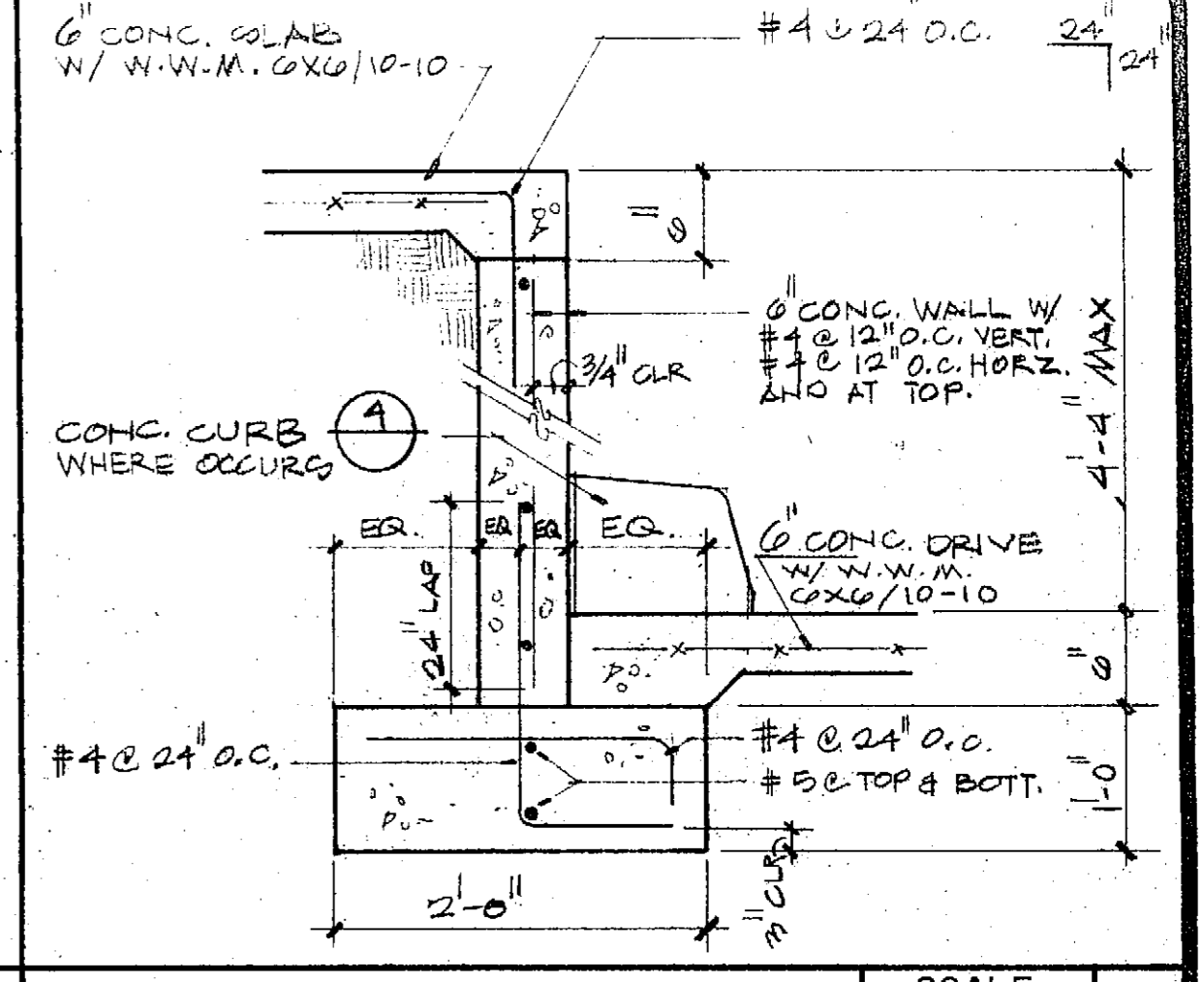
SCALE 17 BOXED BEAM SCALE 1"=1'-0"



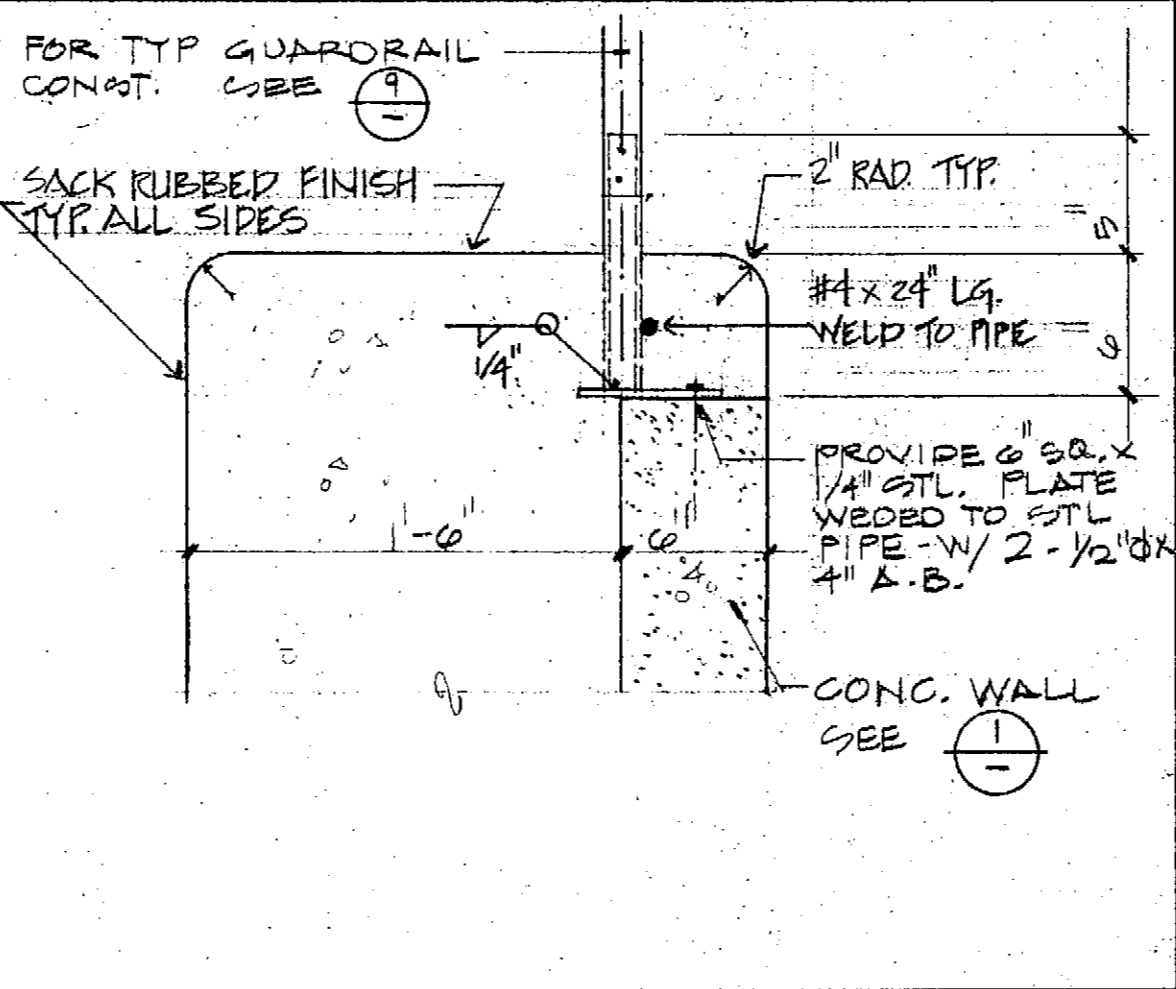
SCALE 13 STL. GUARD RAIL SCALE 1"=1'-0"



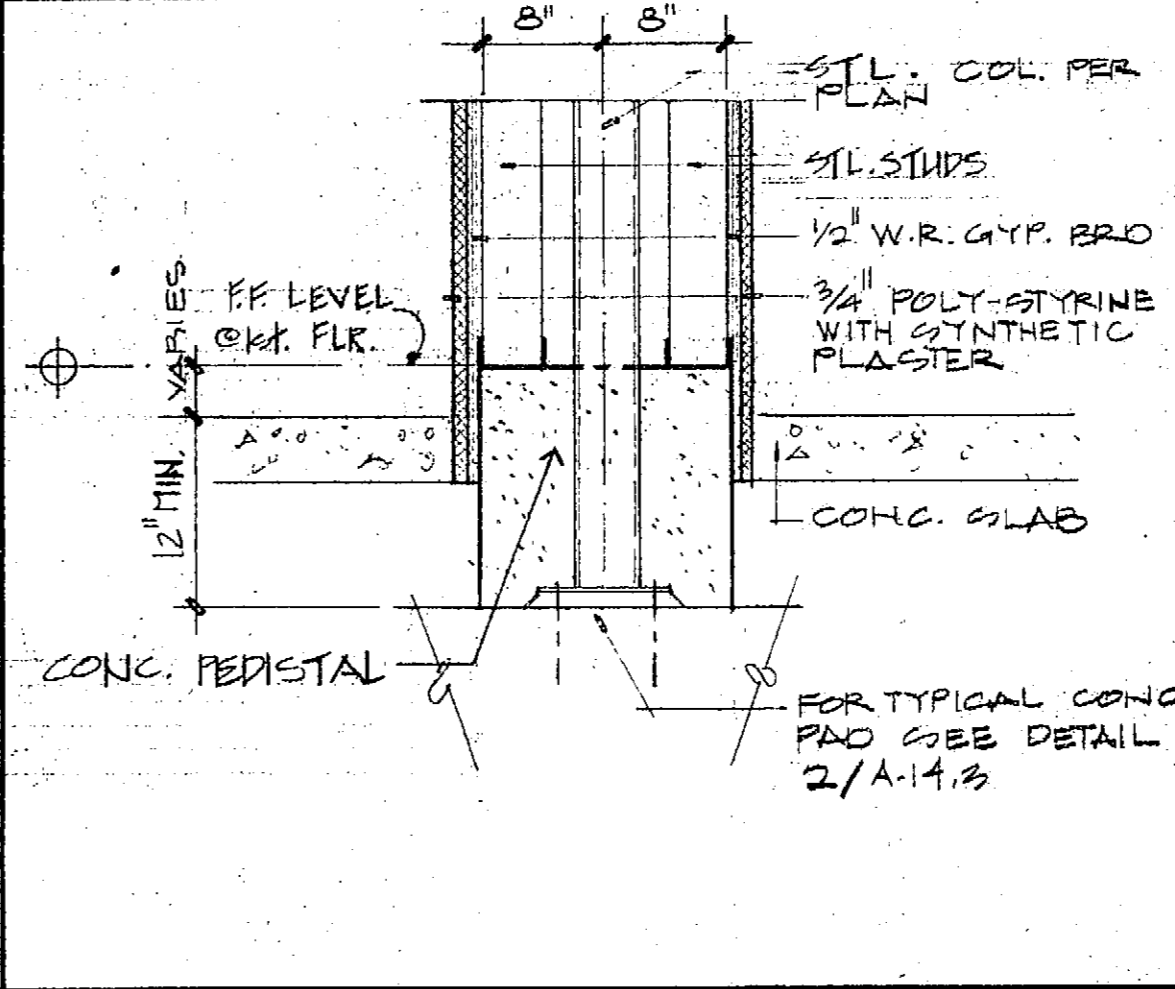
SCALE 5 C.M.U. RET. WALL SCALE 1/2"=1'-0"



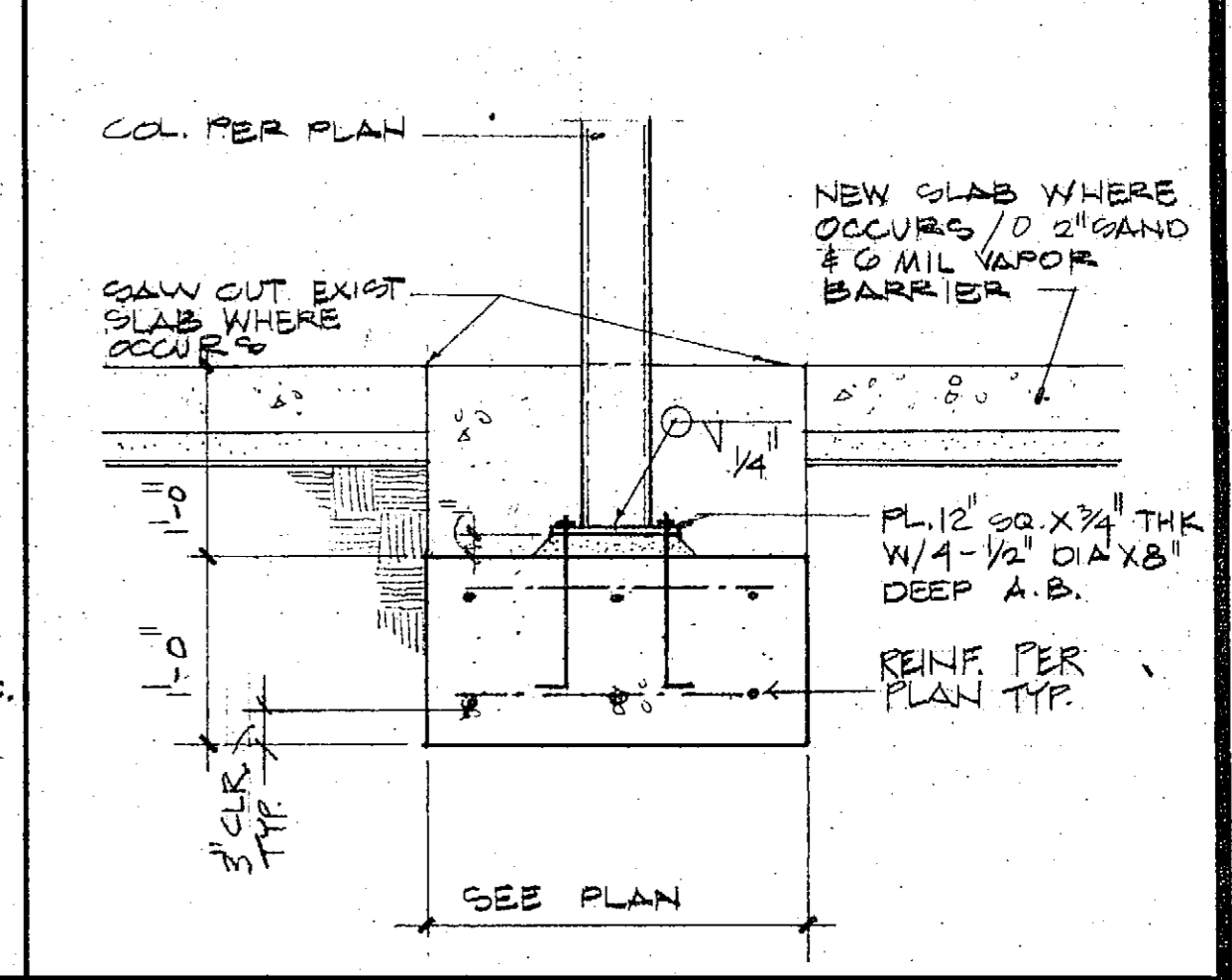
SCALE 1 CONC. RET. WALL SCALE 1"=1'-0"



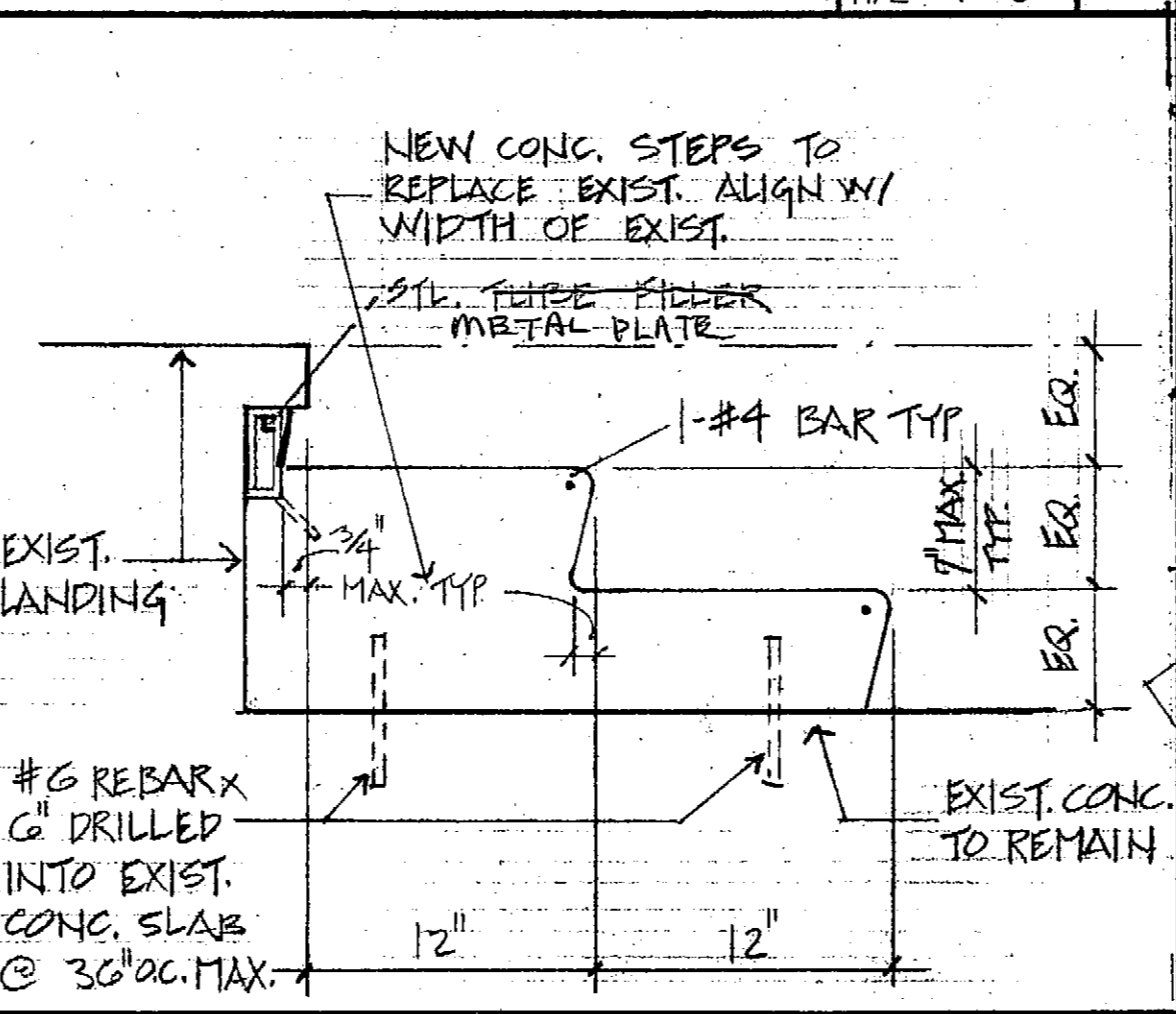
SCALE 14 STL. PIPE GUARD RAIL BASE SCALE 1/2"=1'-0"



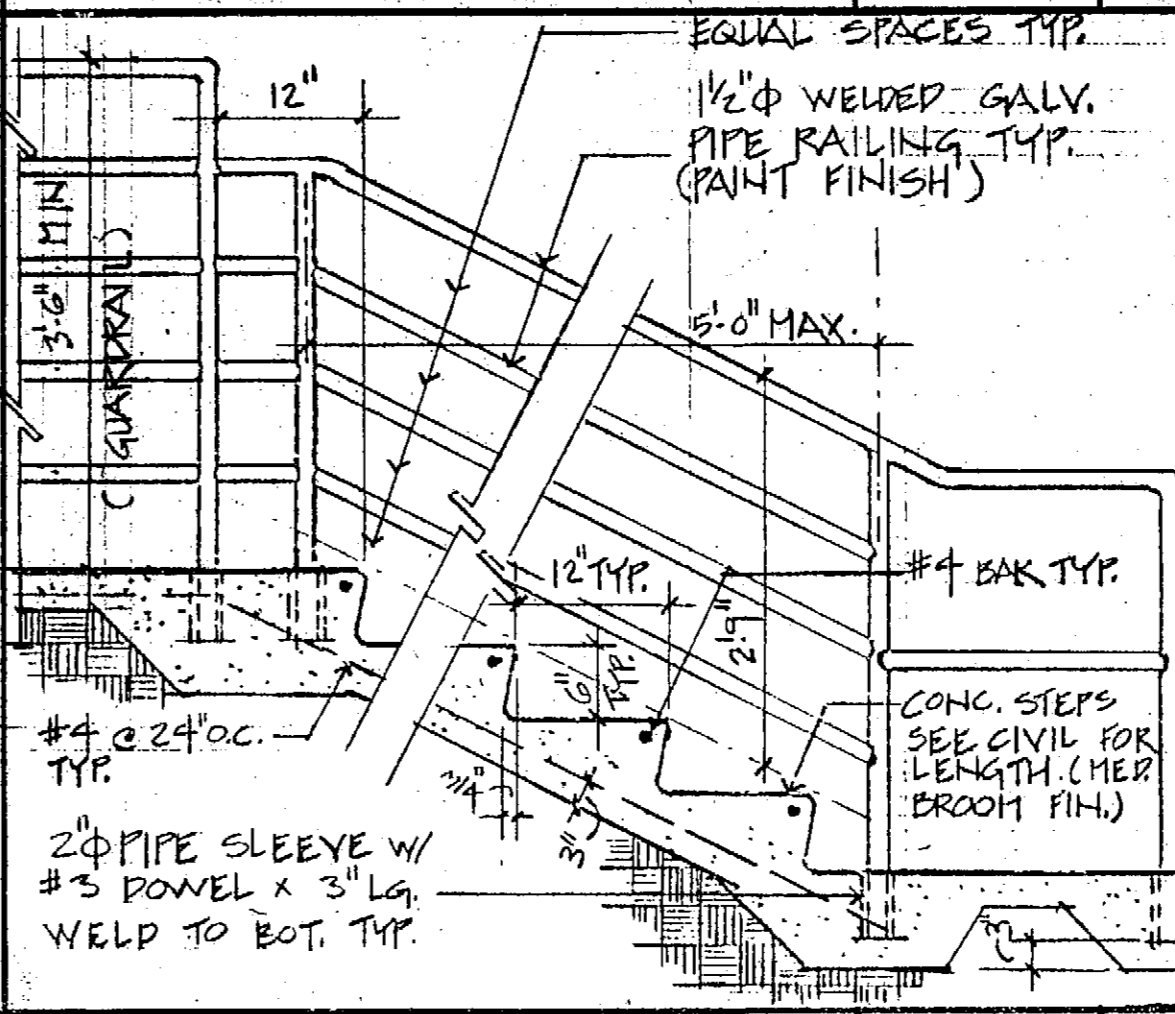
SCALE 6 BOXED COL. BASE SCALE 1"=1'-0"



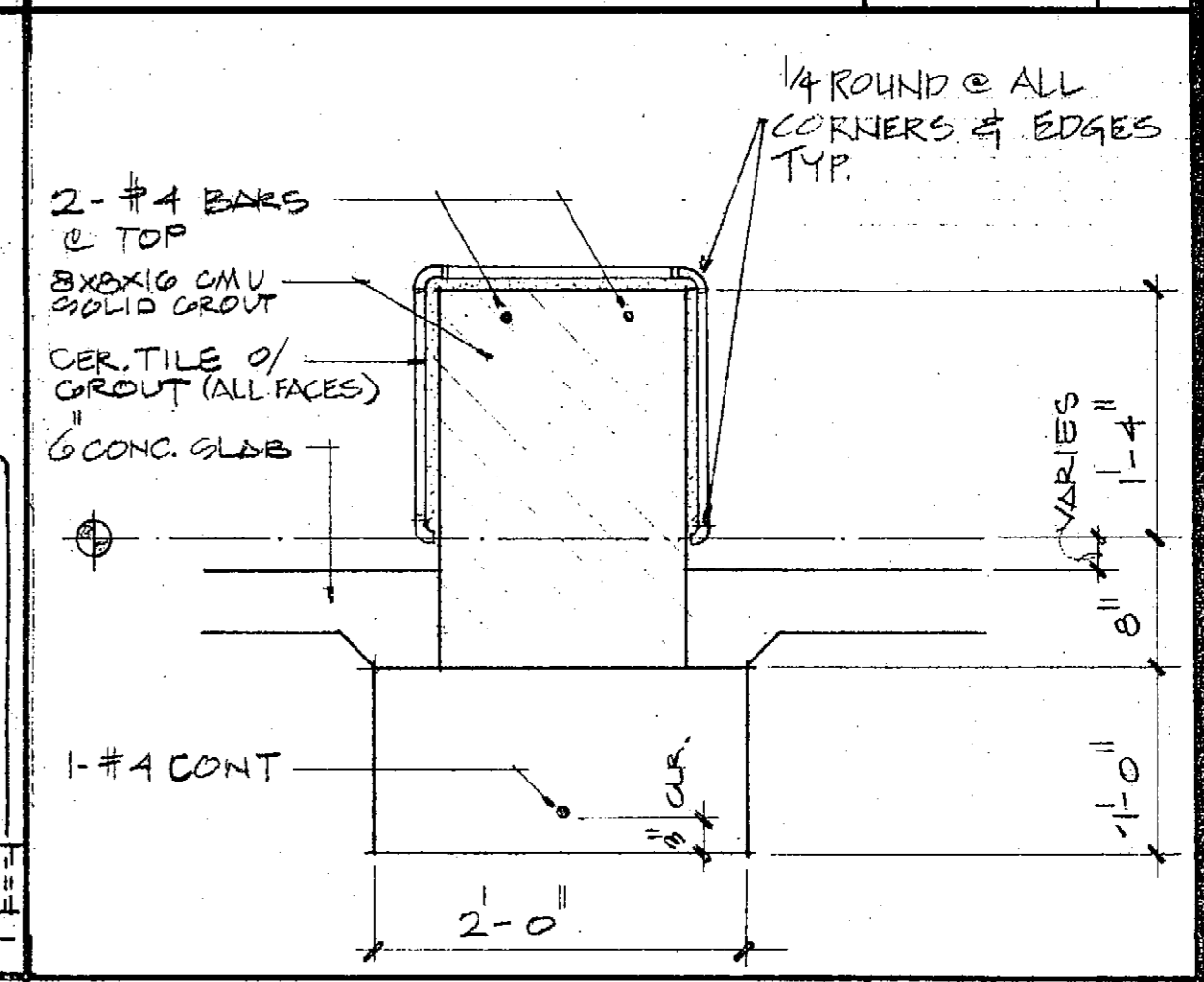
SCALE 2 PAD FOOTING SCALE 1"=1'-0"



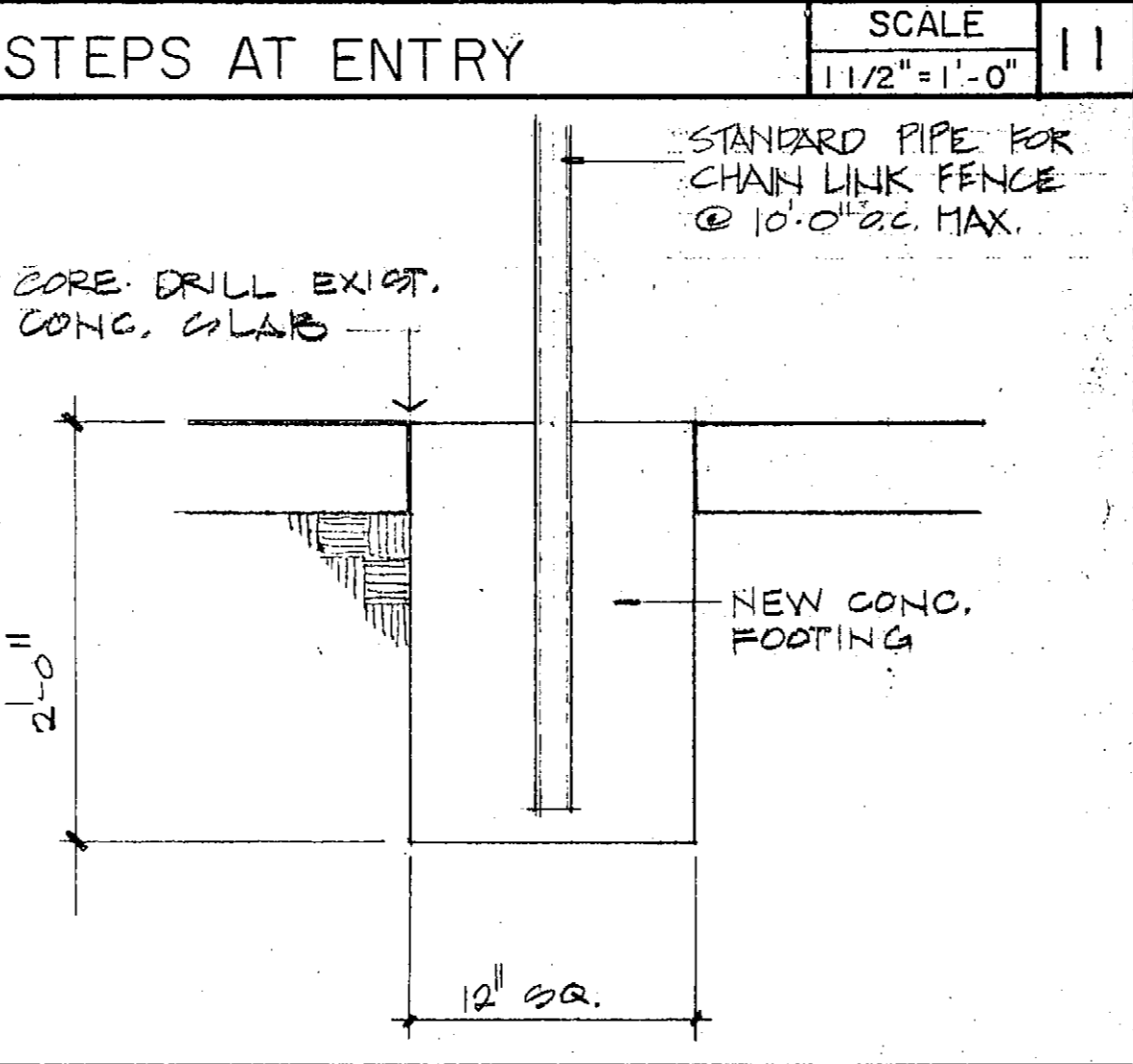
SCALE 15 STEPS AT ENTRY SCALE 1 1/2"=1'-0"



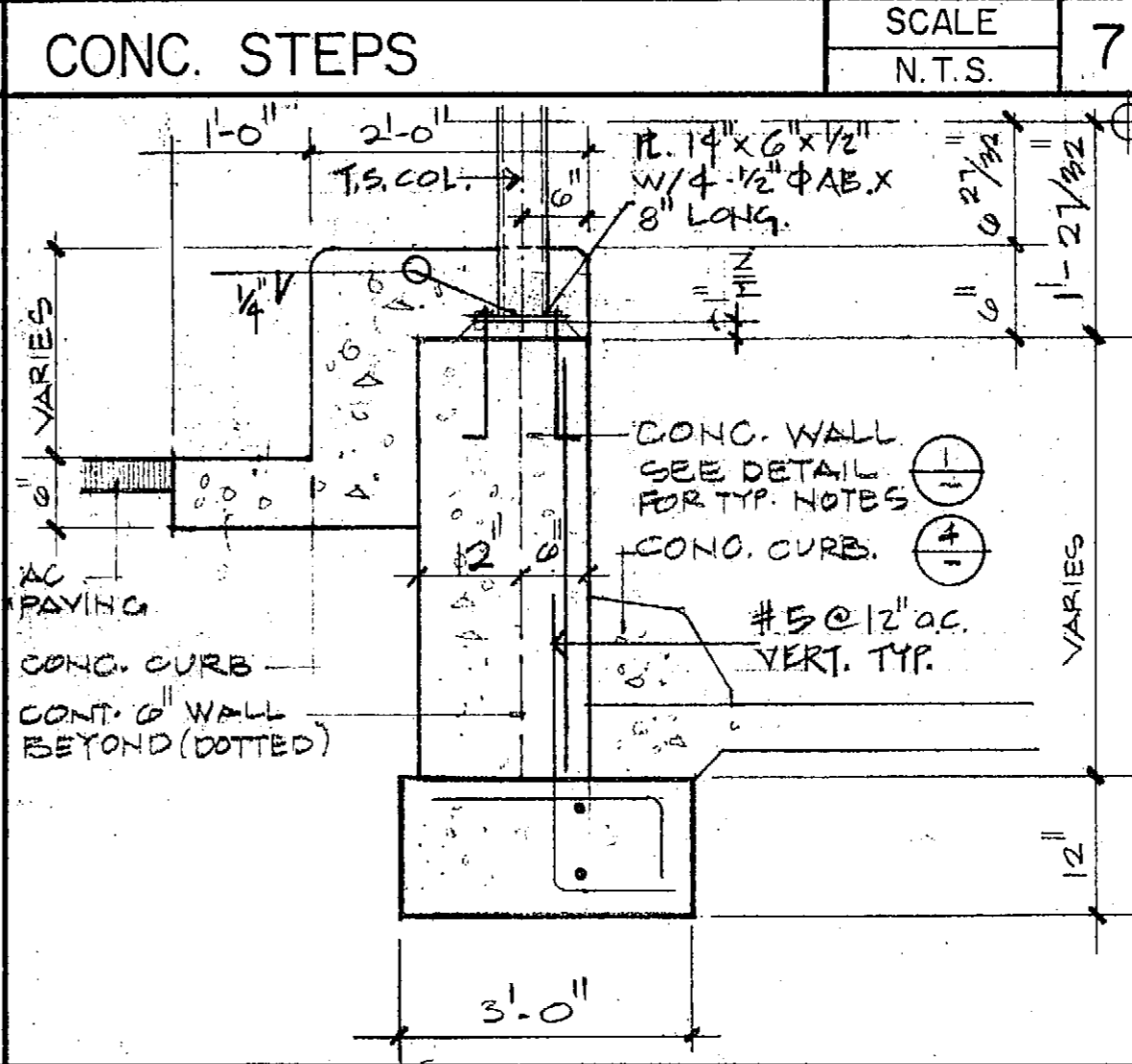
SCALE 7 CONC. STEPS SCALE N.T.S.



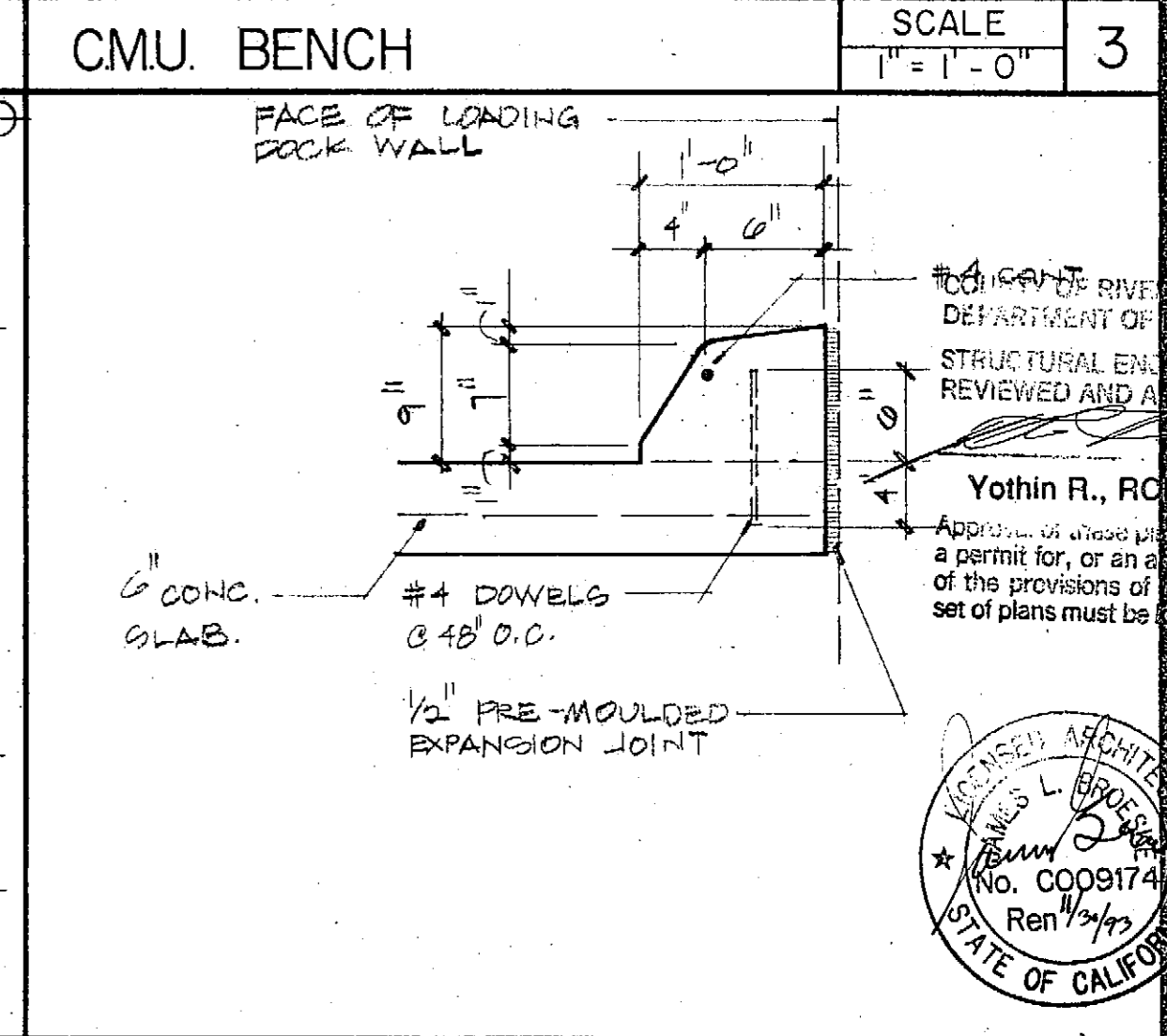
SCALE 3 CMU. BENCH SCALE 1"=1'-0"



SCALE 16 CHAIN LINK FENCE POST SCALE 1 1/2"=1'-0"



SCALE 8 STL. COL. FOOTING SCALE 1"=1'-0"



SCALE 4 CONC. CURB SCALE 1"=1'-0"

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1	ELDq. DEPT.

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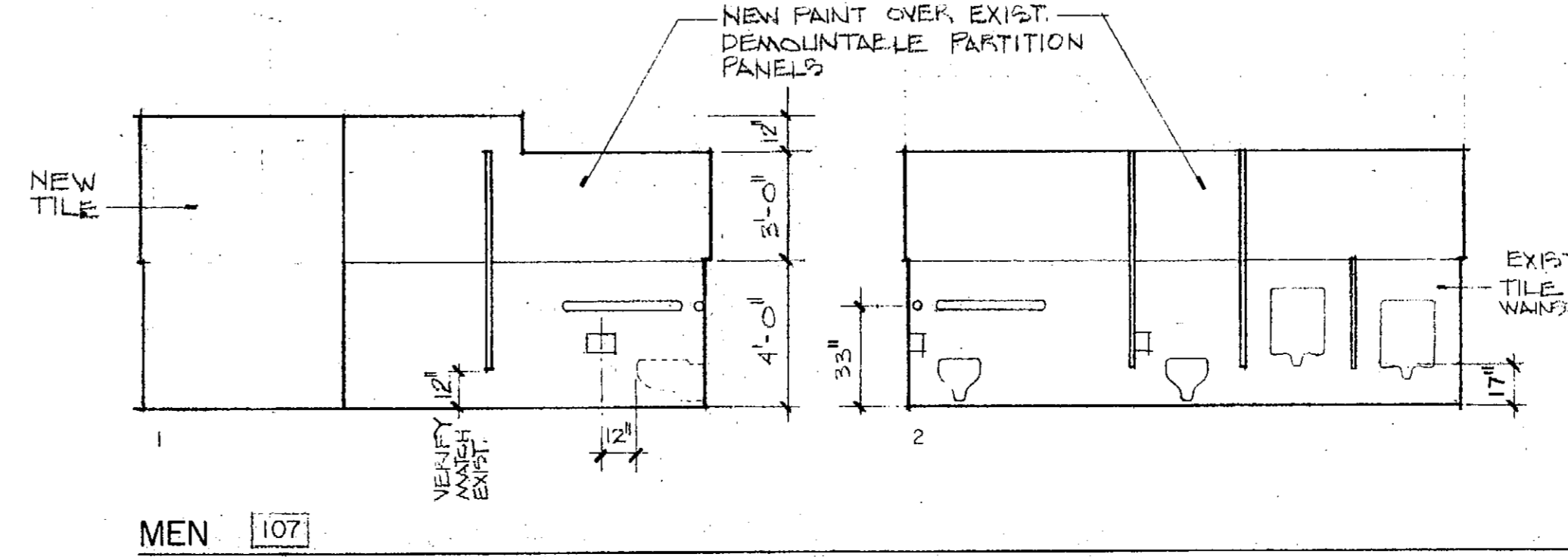
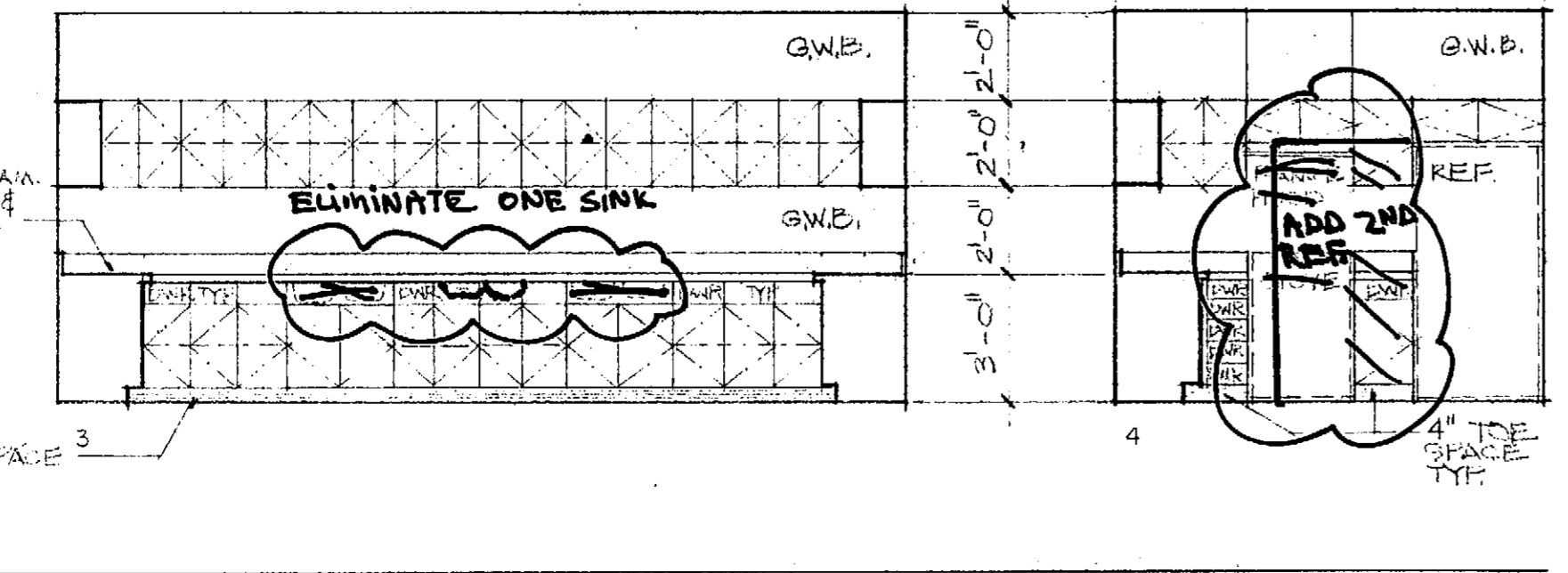
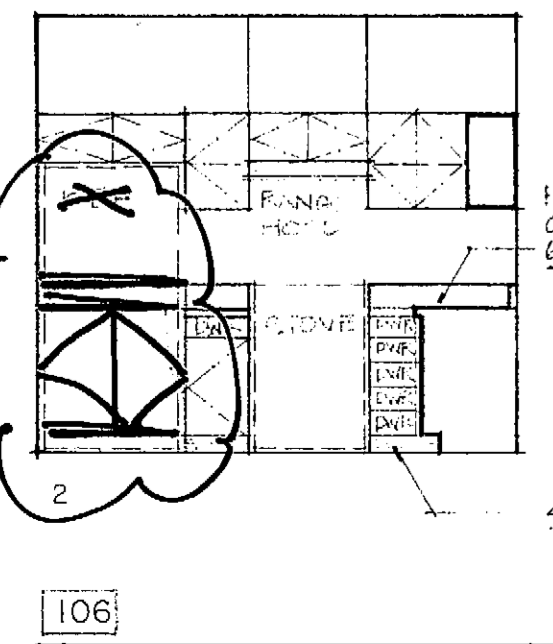
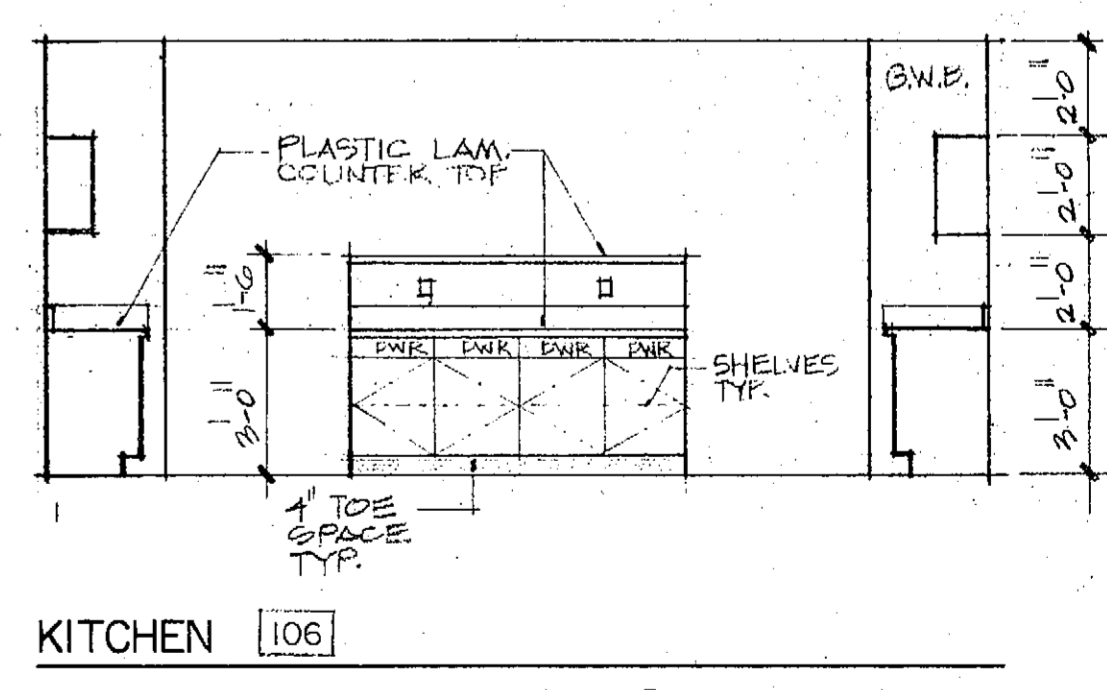
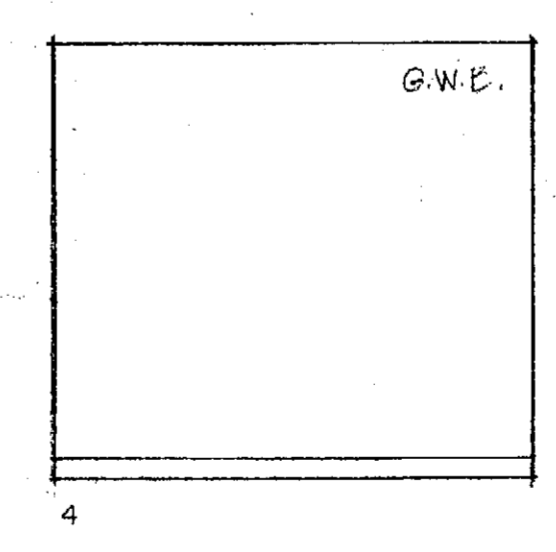
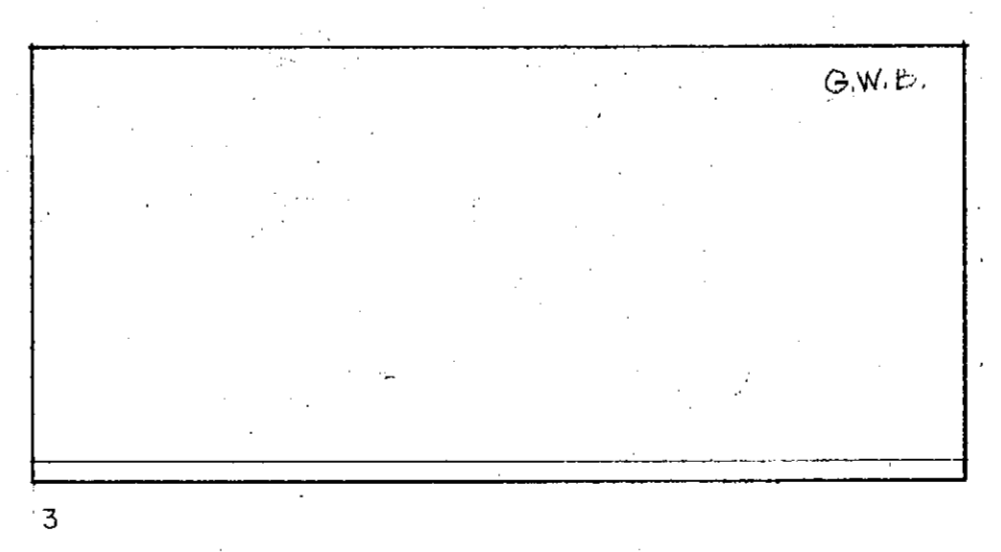
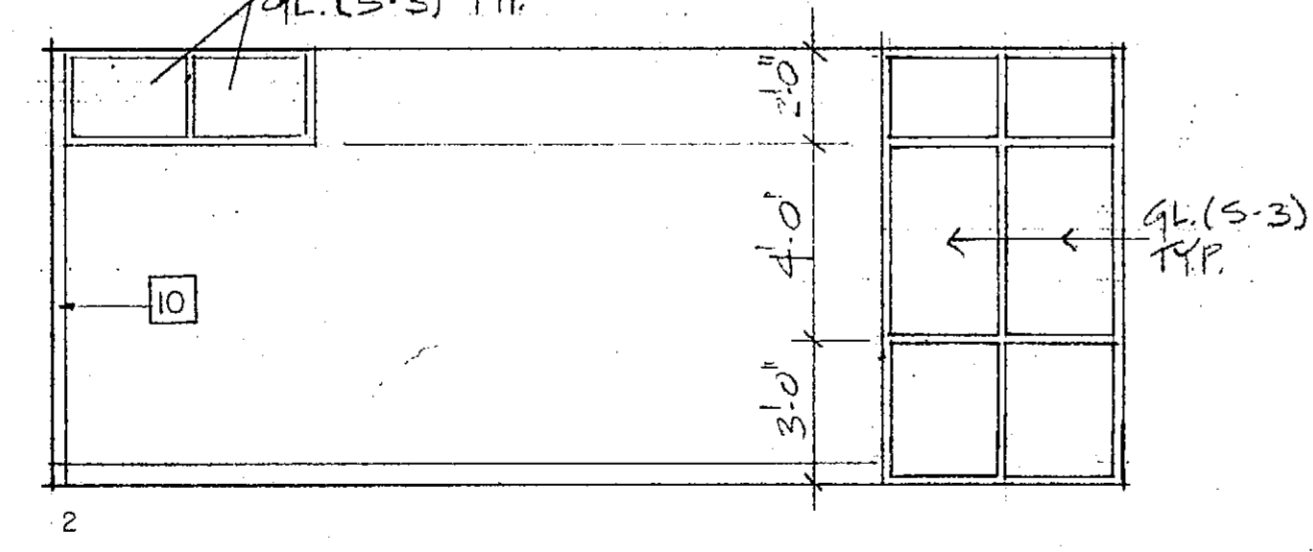
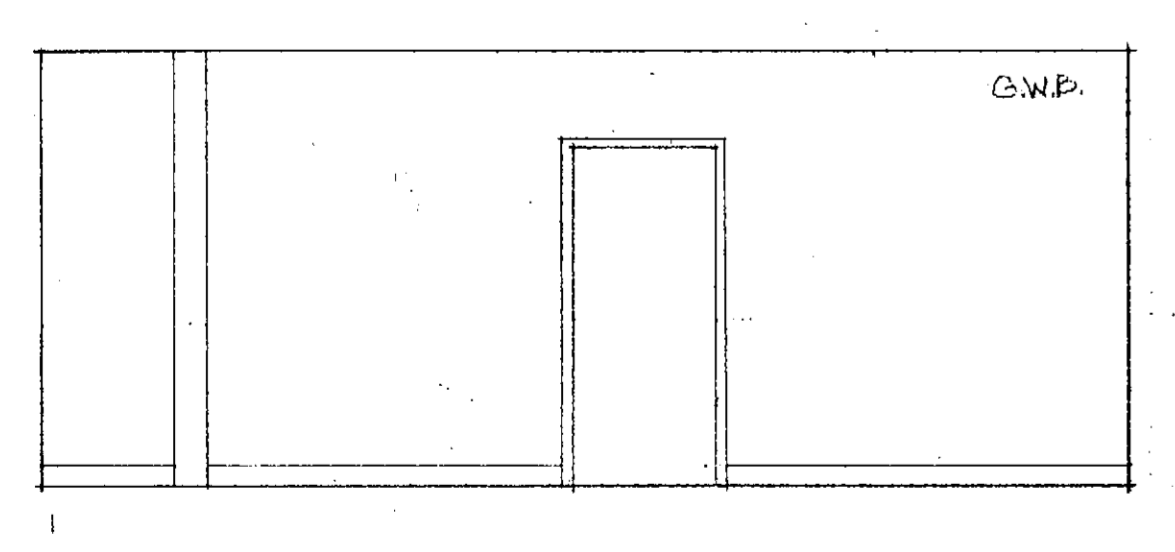
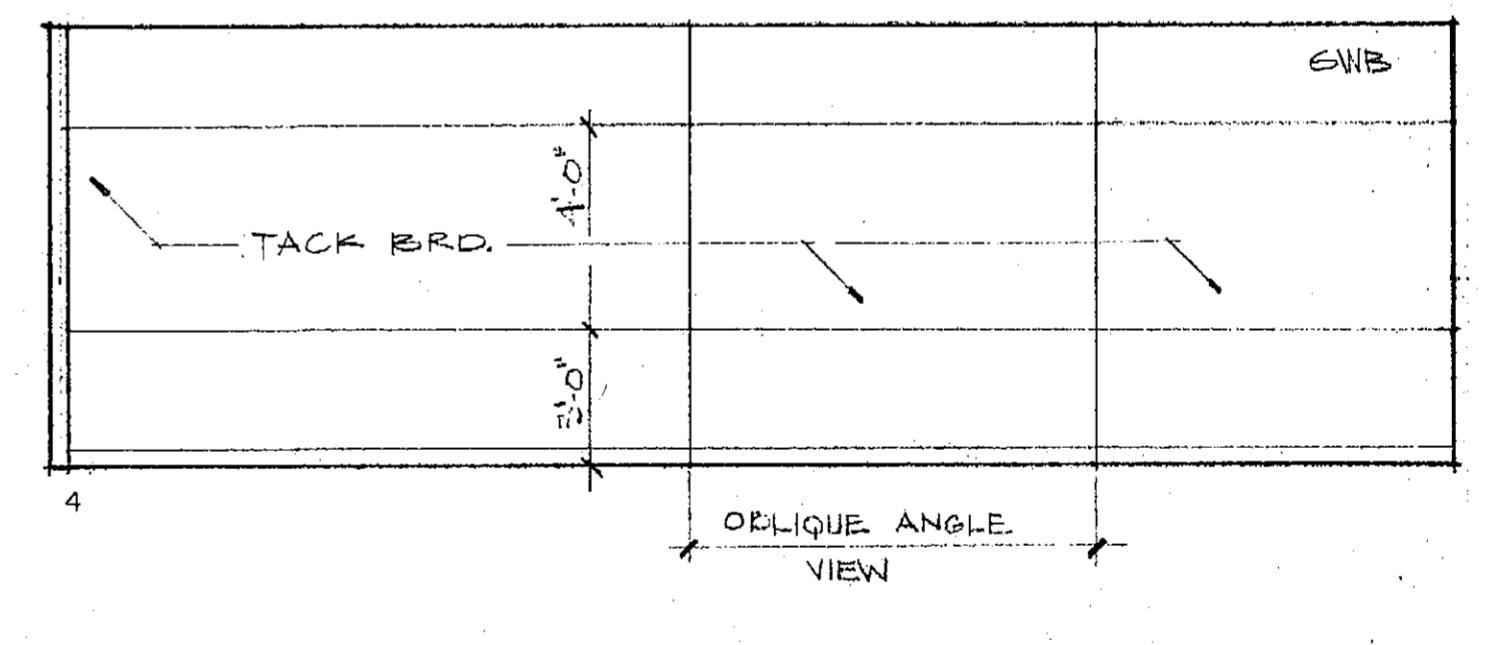
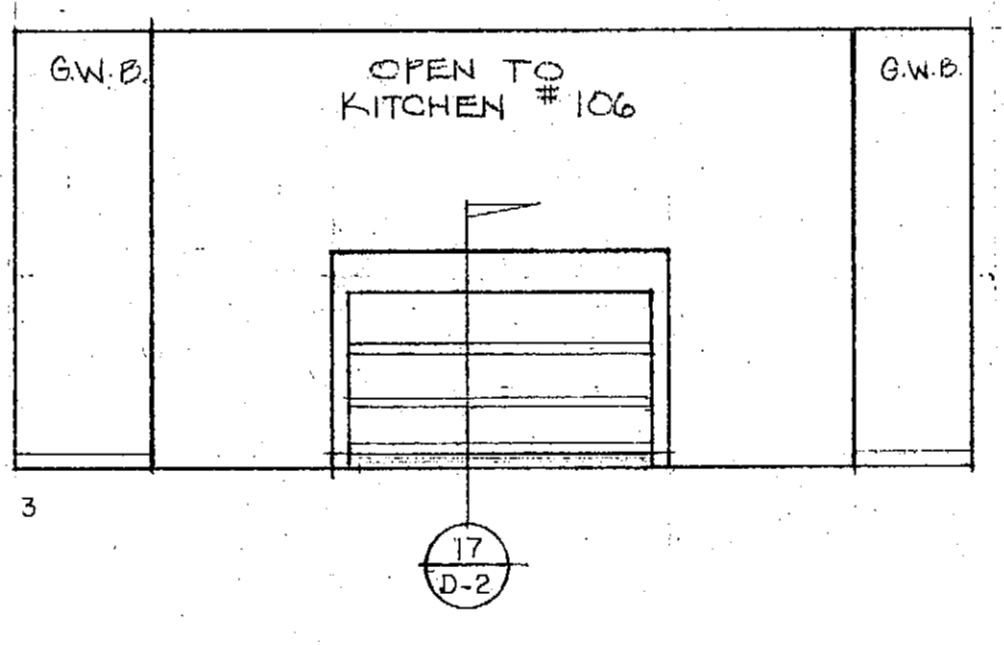
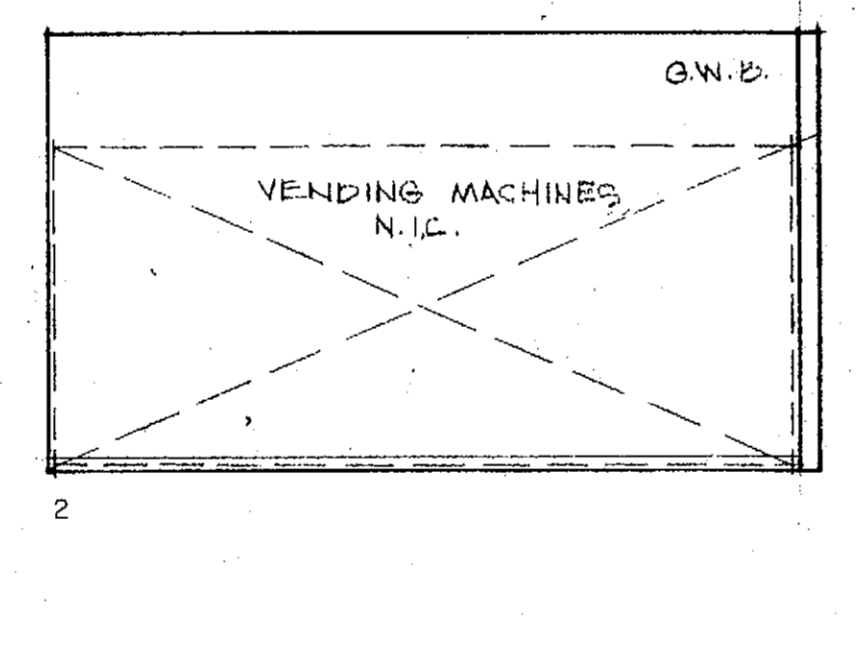
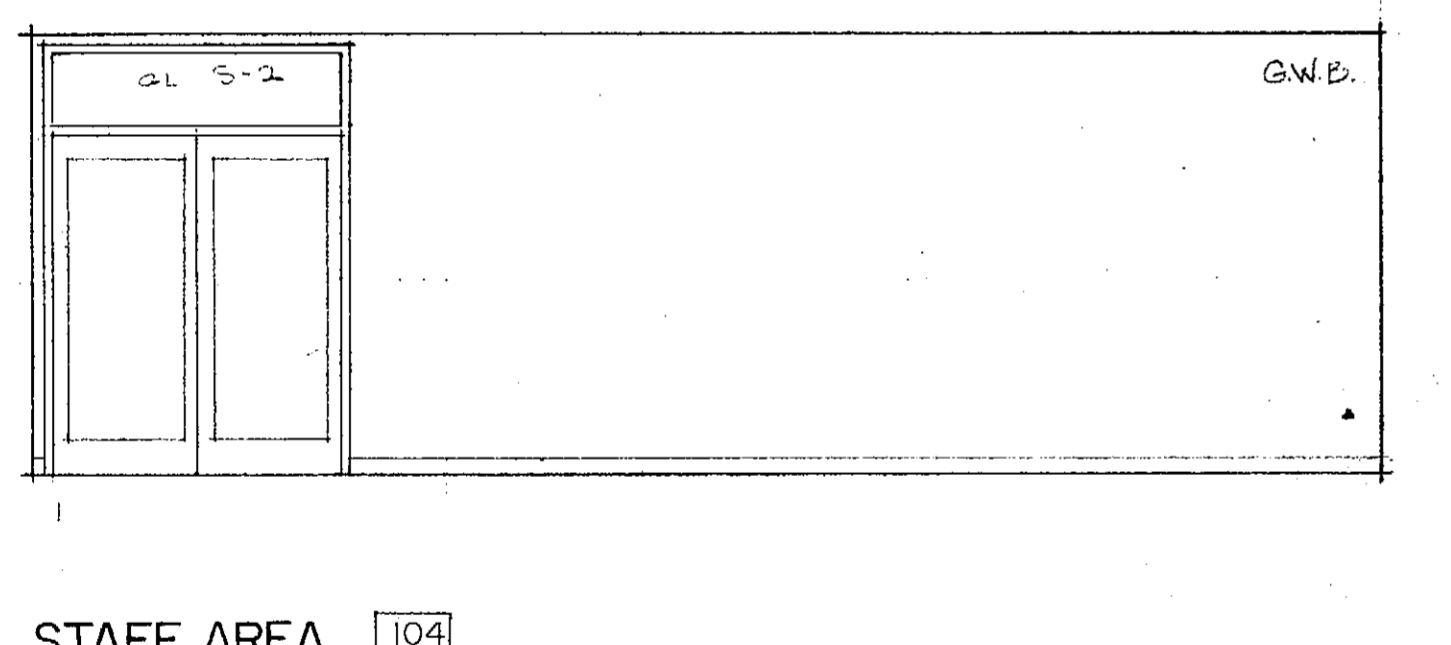
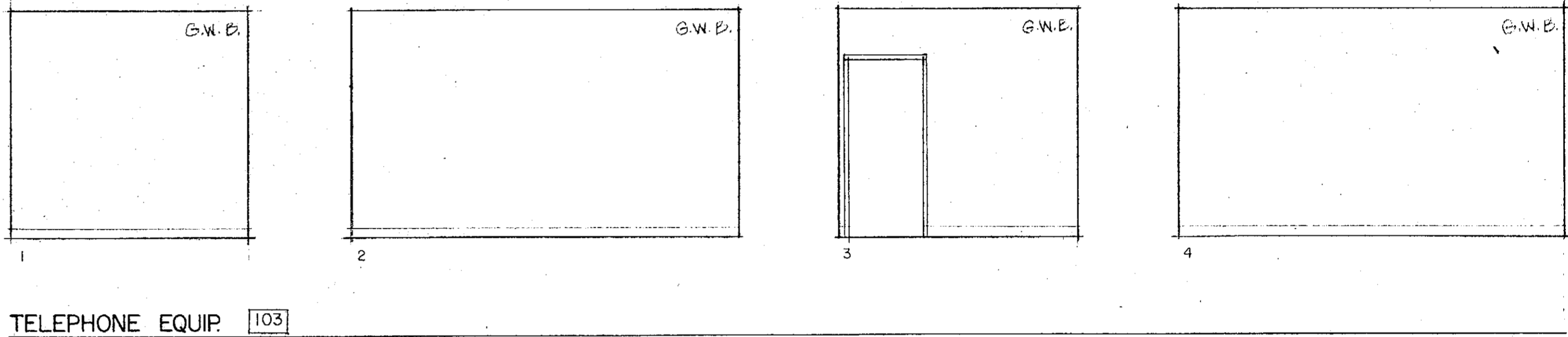
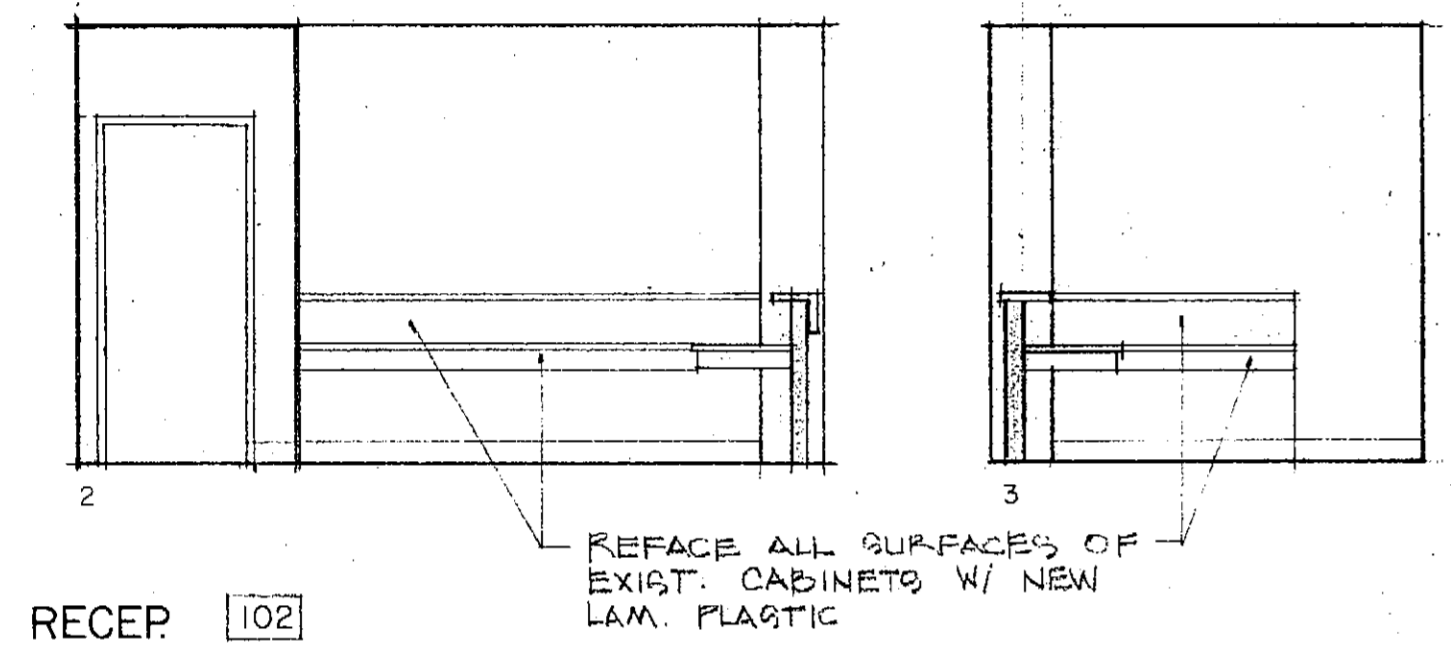
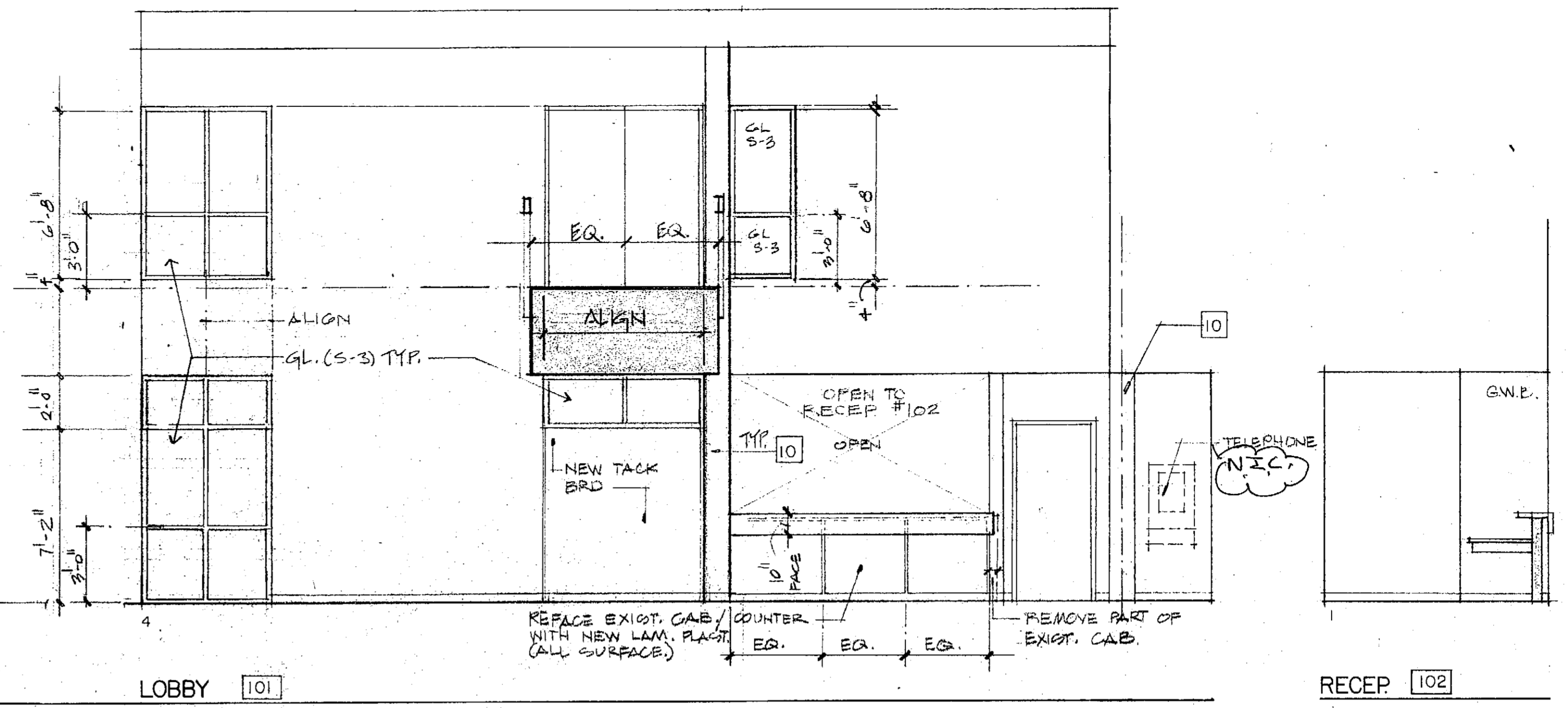
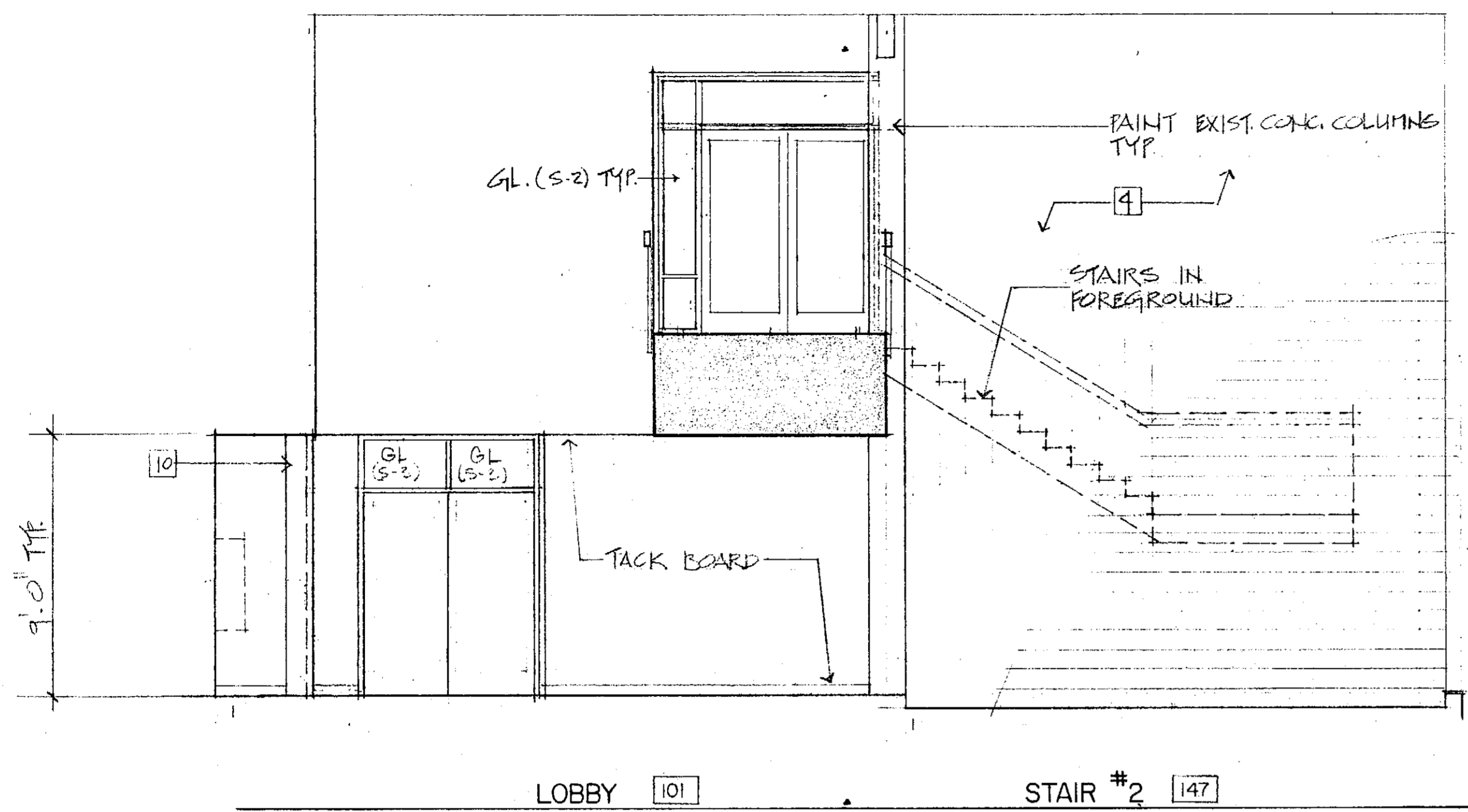
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Riverside, Ca.

APPROVED AS SHOWN  
W. L. ROE  
No. 0009174  
Ren 1/19/93  
STATE OF CALIFORNIA

Yothin R. ROE  
DATE 12-13-91  
SCALE AS NOTED  
JOB NO. 91002  
SHEET

A-14.3



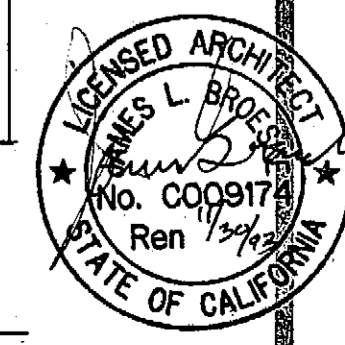
REVISIONS	BY

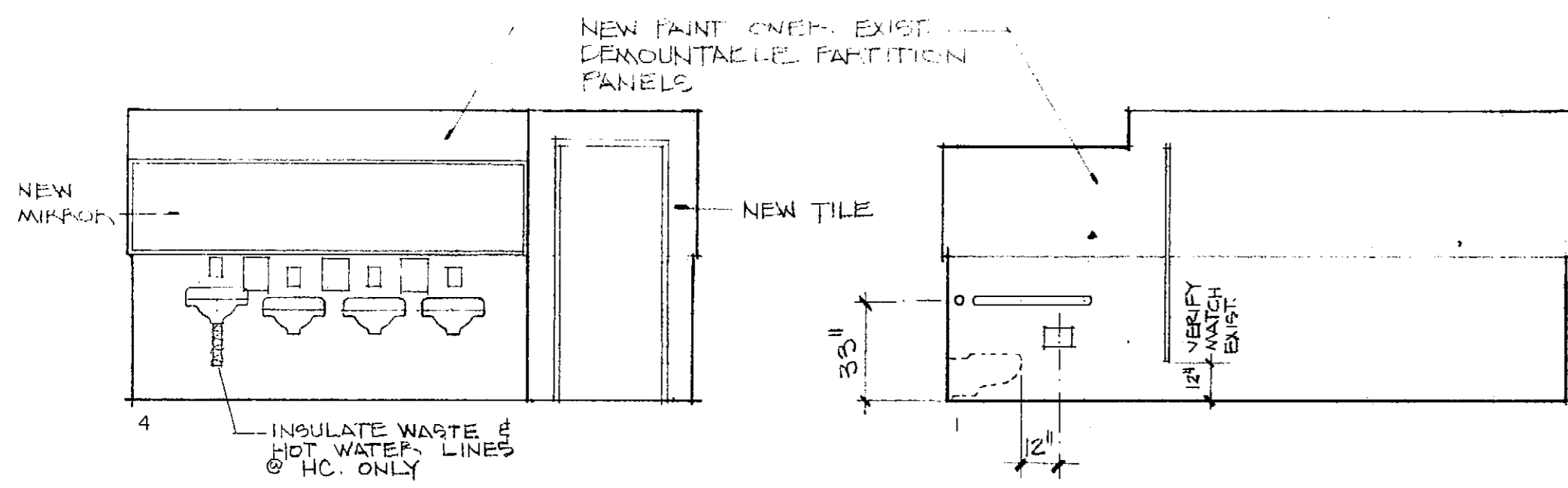
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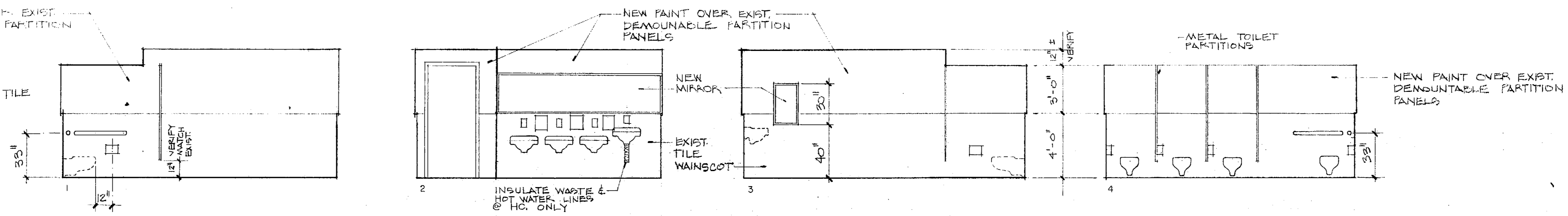
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 Riverside, Ca.

DRAWN	KM BH
CHECKED	JE
DATE	12-12-71
SCALE	1/4" = 1'-0"
JOB NO.	91002
SHEET	
A-15	
OF SHEETS	

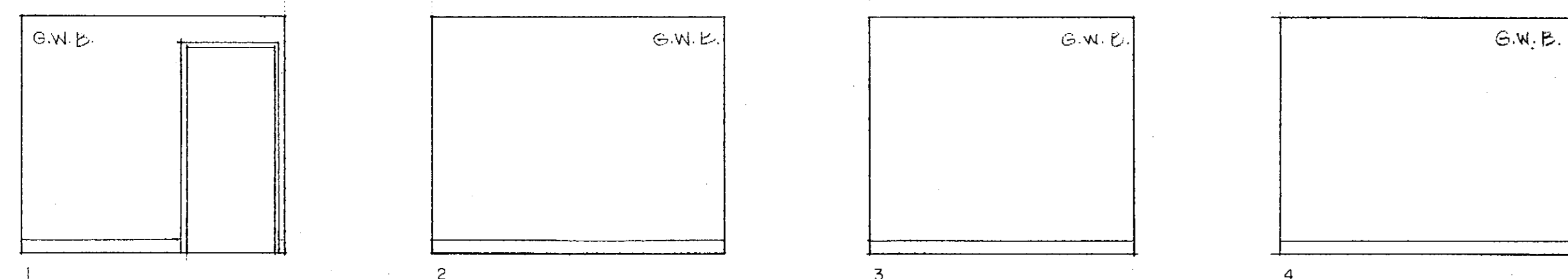




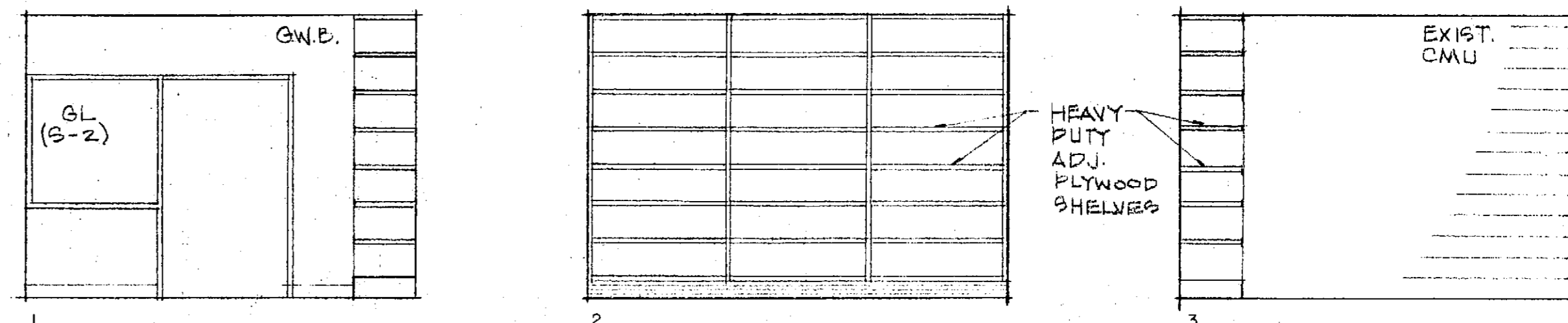
MEN 107



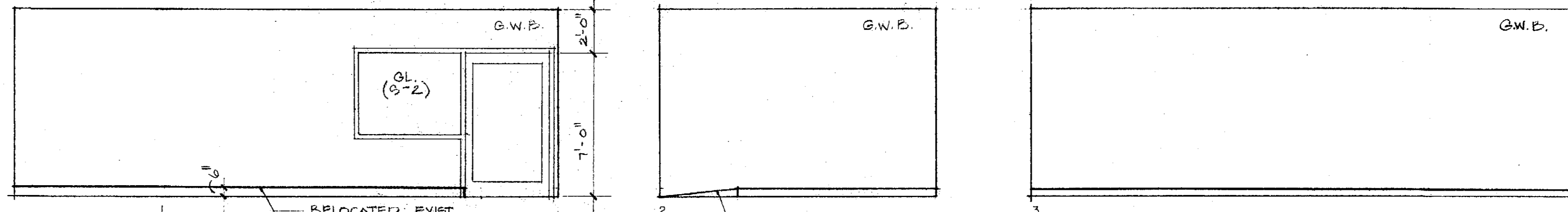
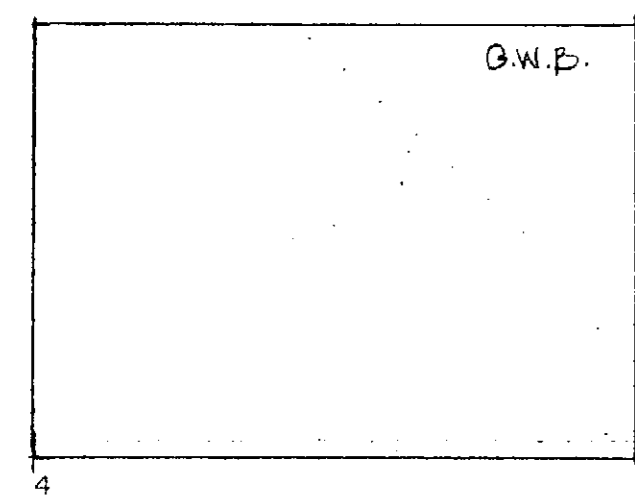
WOMEN 108



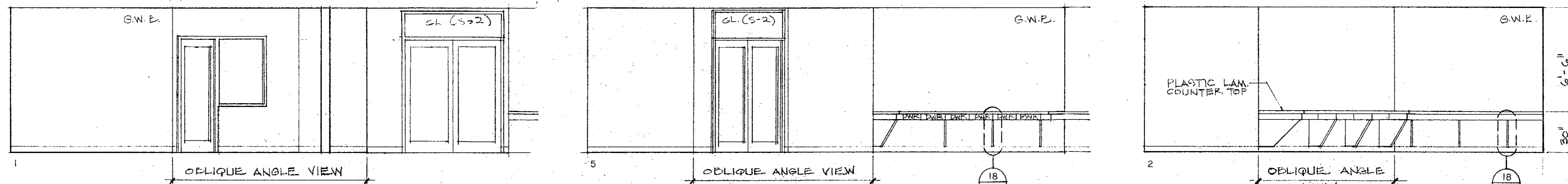
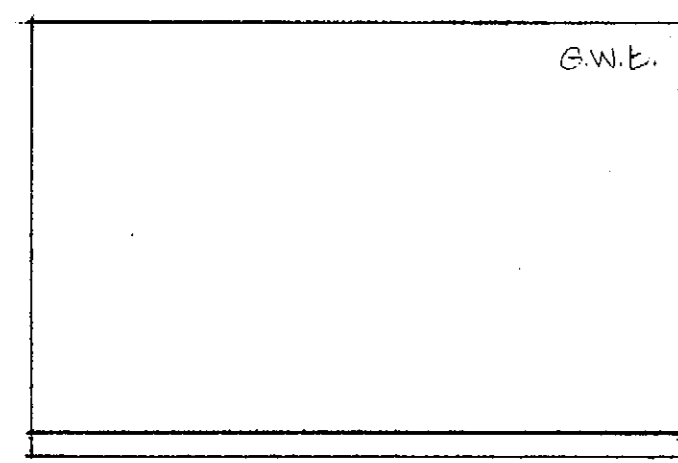
PHONE EQUIP. 109



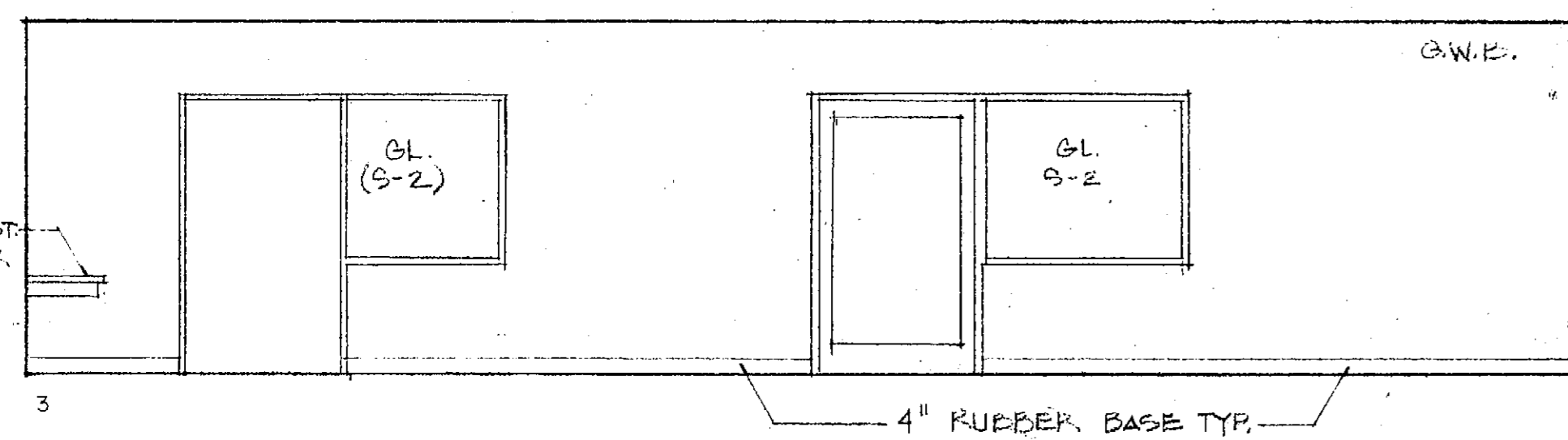
STORAGE 111



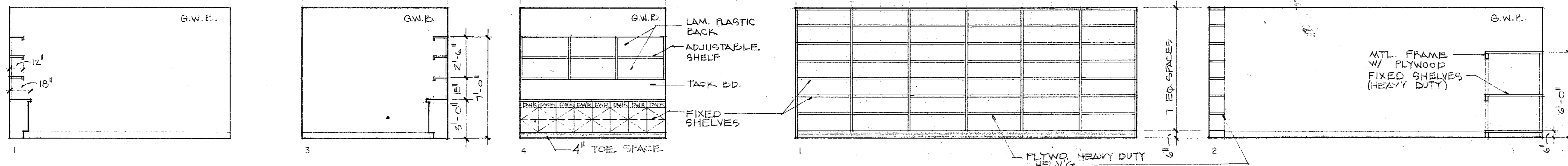
C.P.U. 112



STAFF SPACE 113

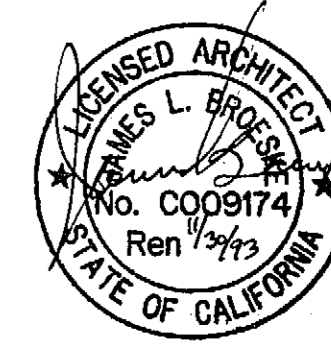


SR. LIB. 2 114



STORAGE - BLDG. MAINT. 115

NOTE:  
SEE SPECS. FOR  
GLASS TYPE SCHEDULE



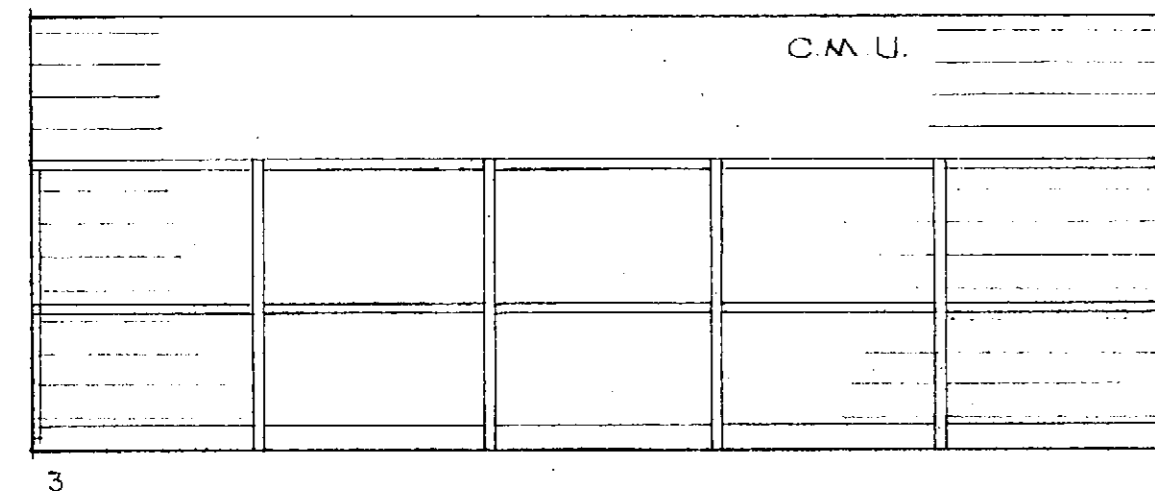
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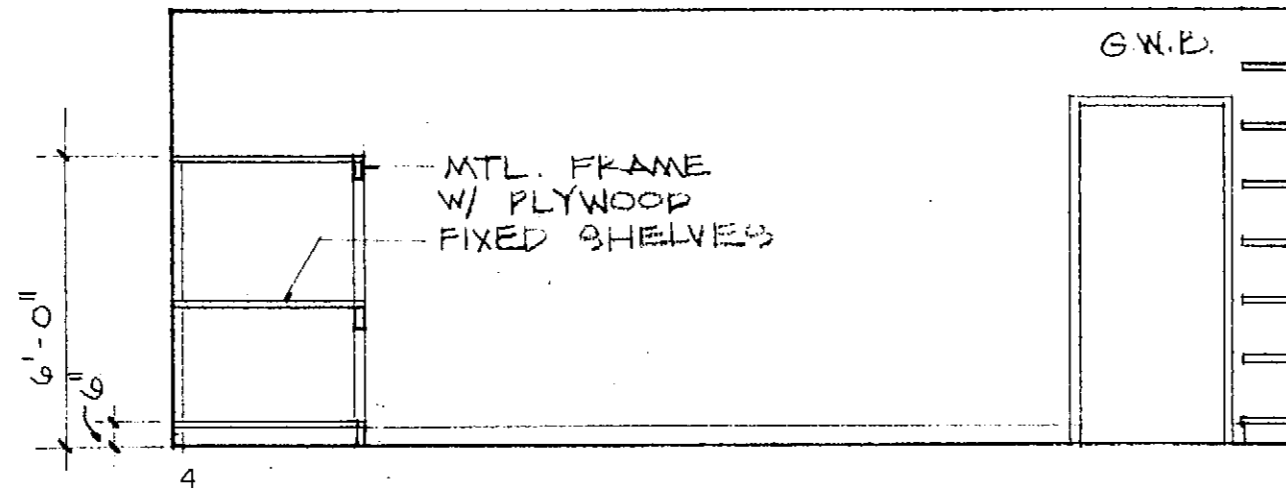
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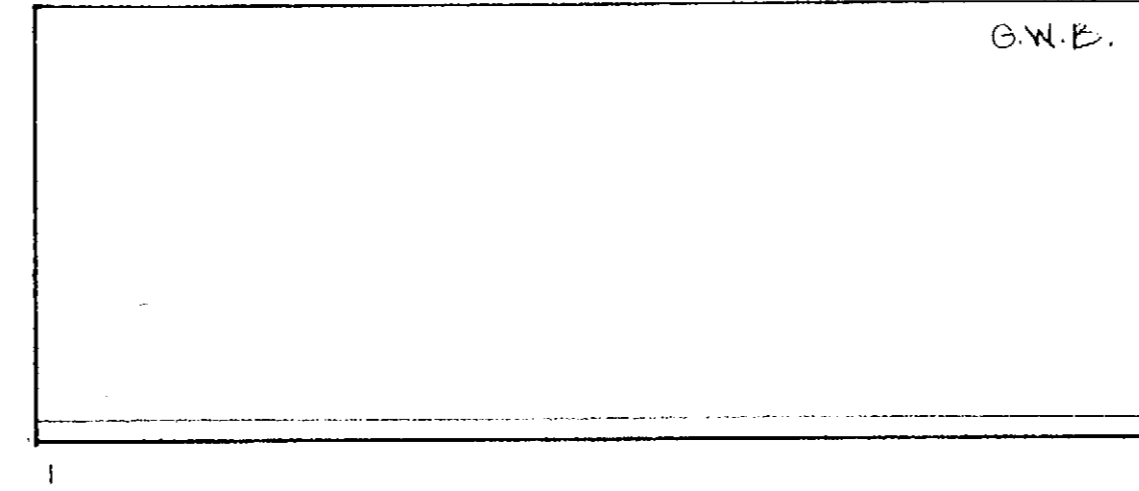
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DATE	12-15-91
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JOB NO.	91002
SHEET	A-16
OF	SHEETS



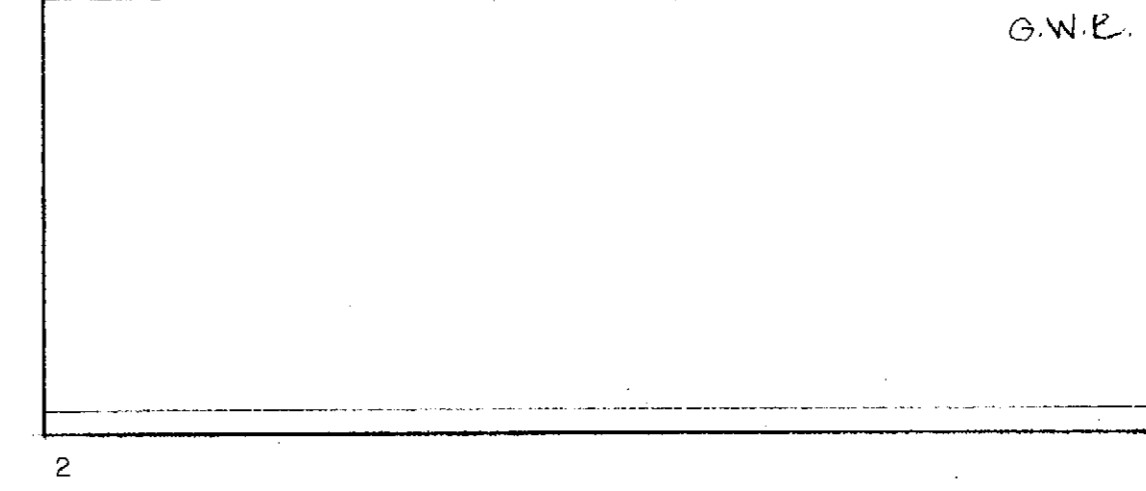
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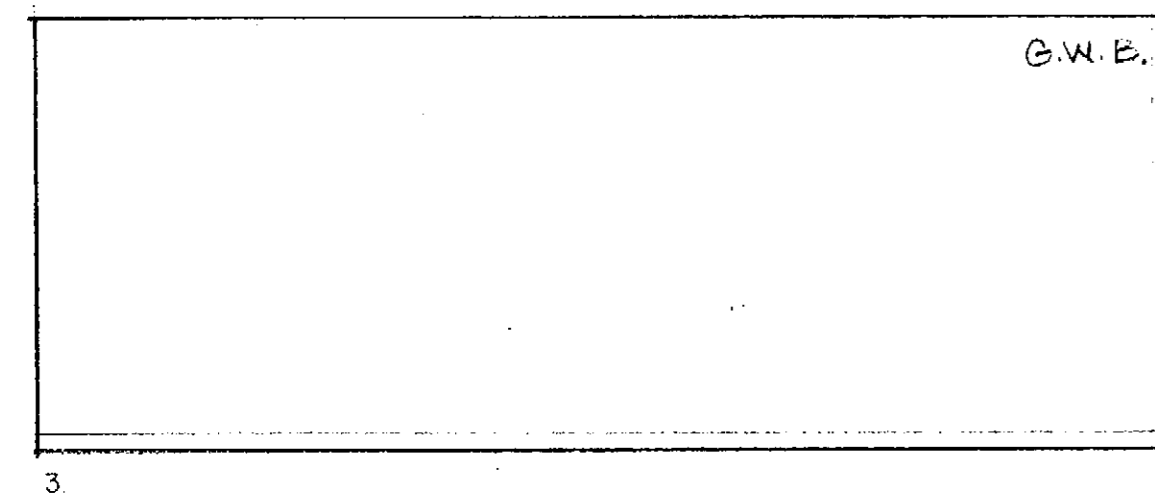
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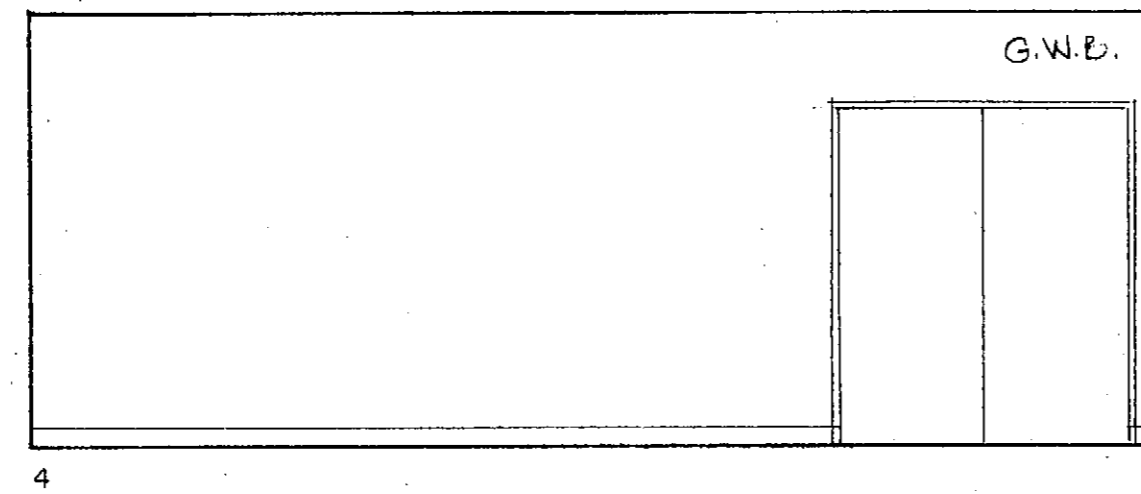
WORKSHOP 2 117



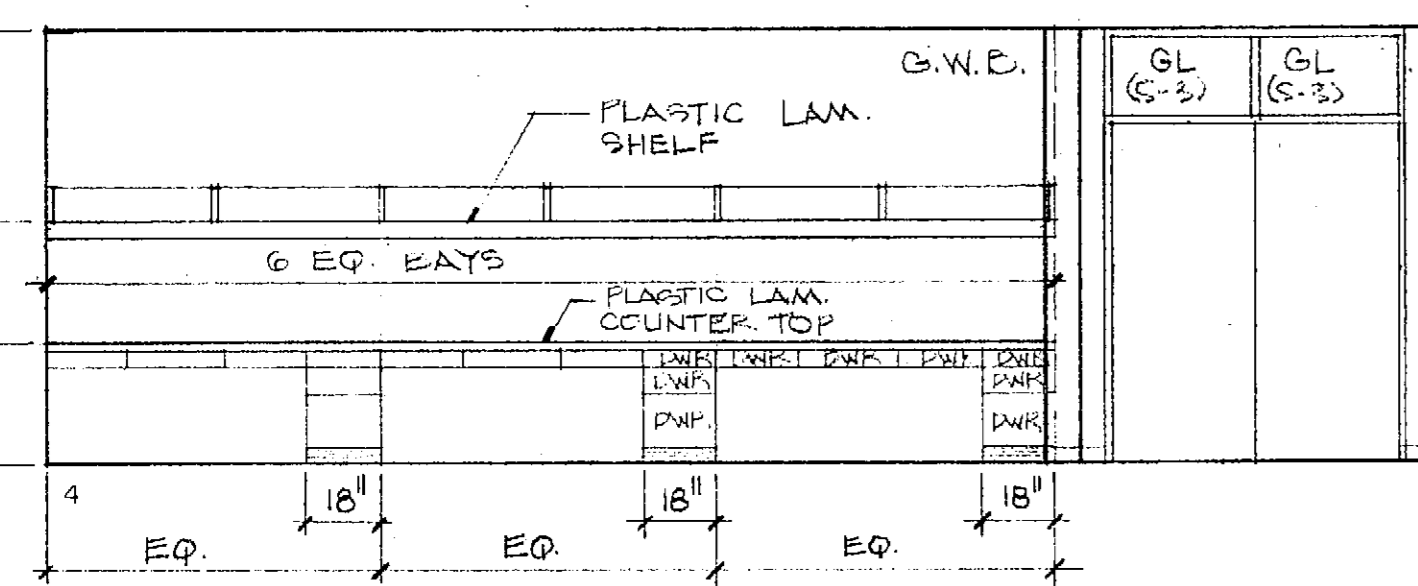
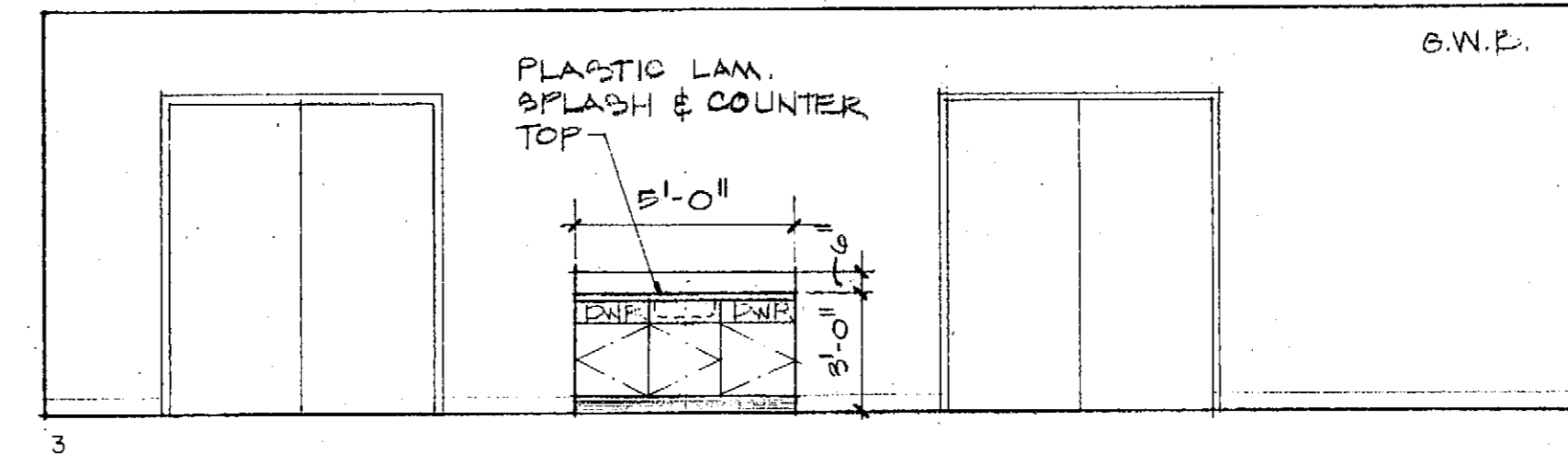
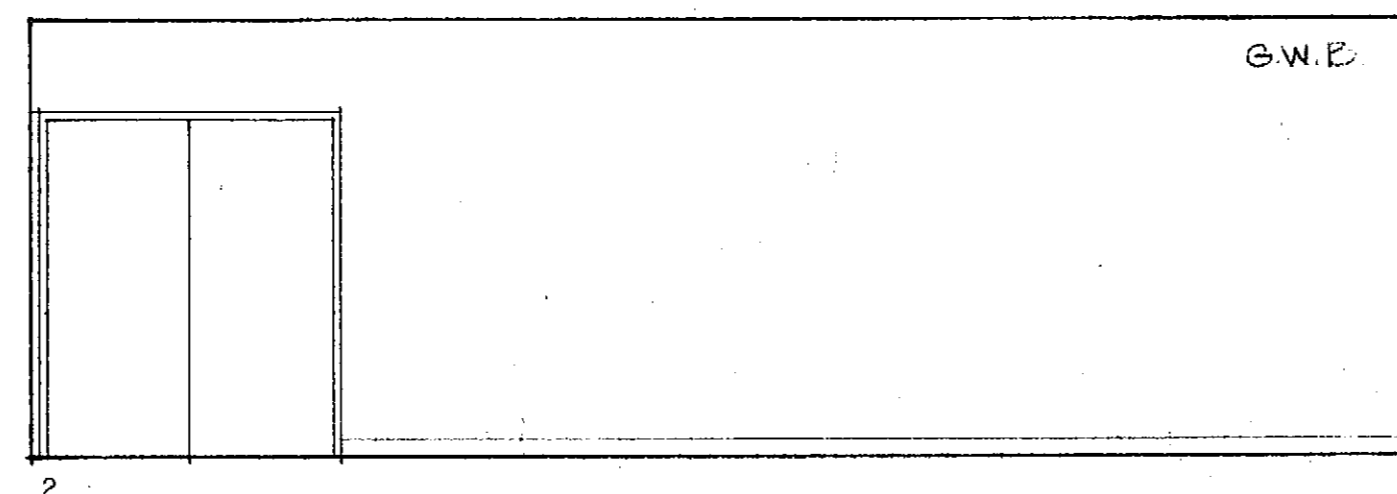
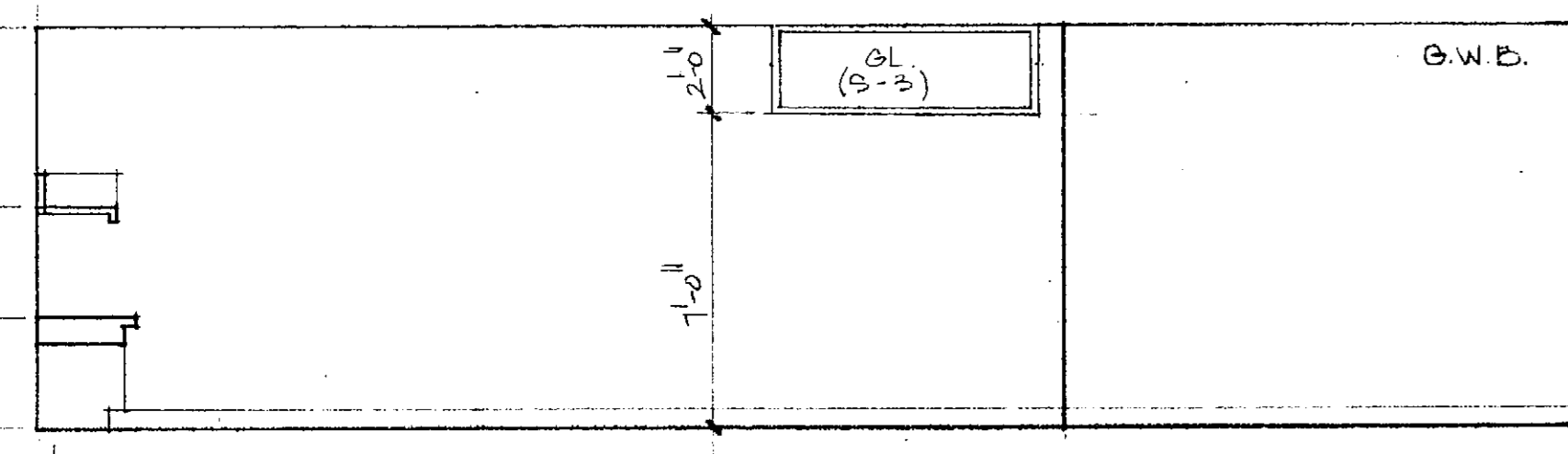
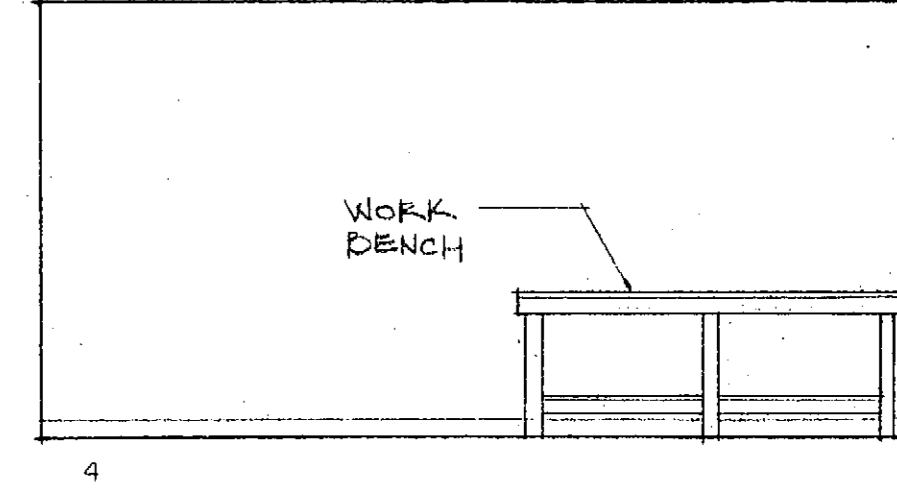
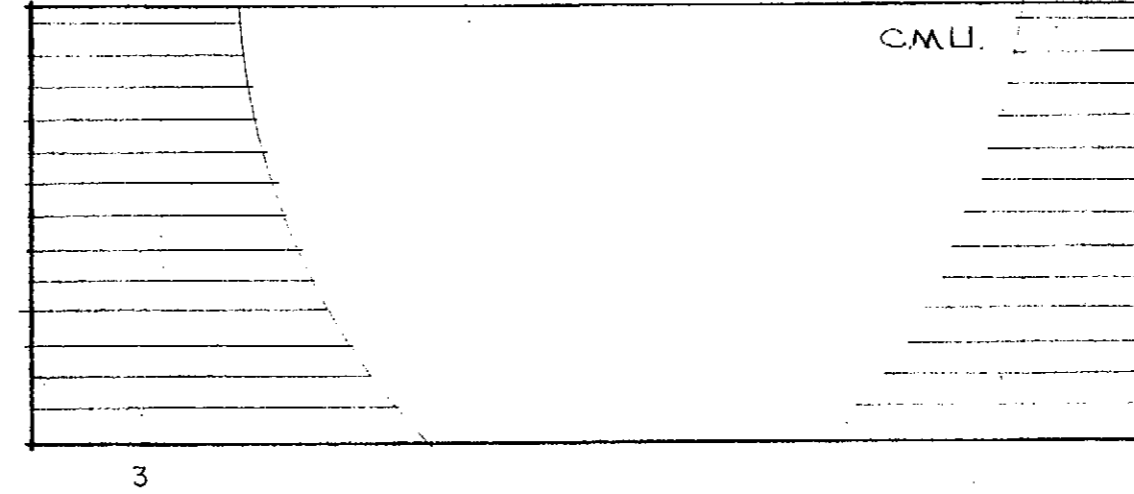
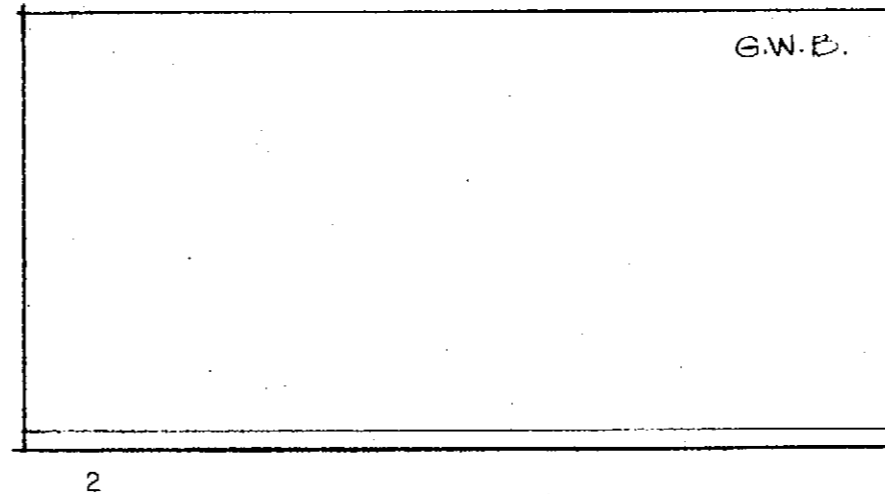
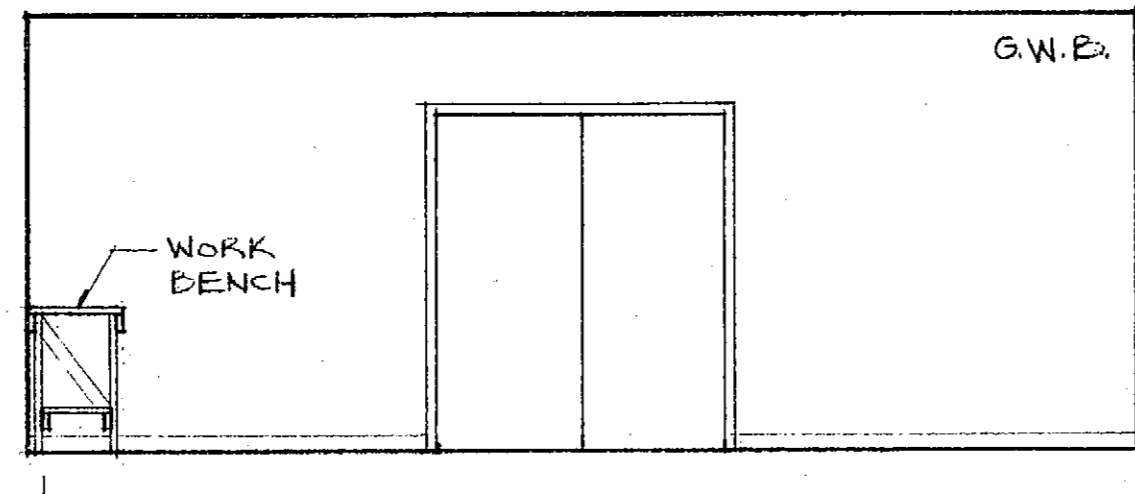
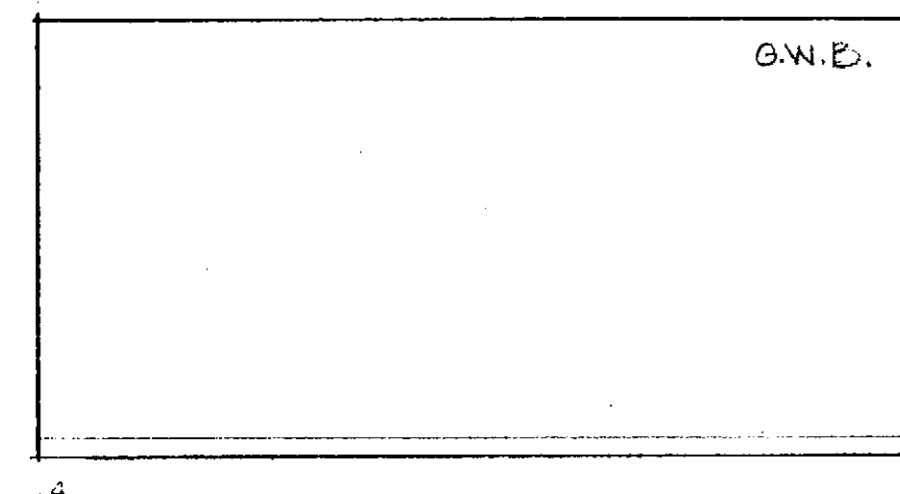
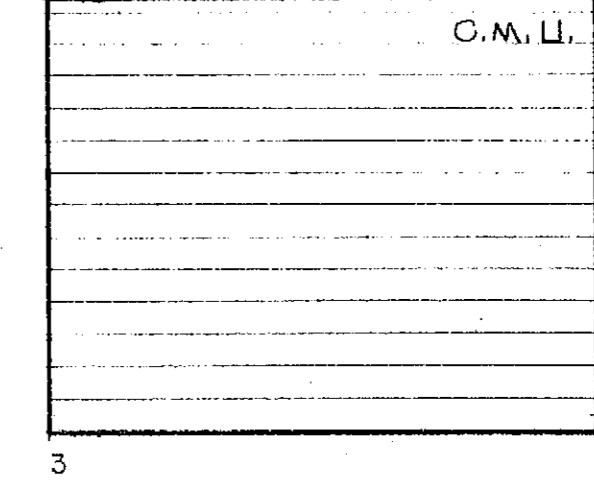
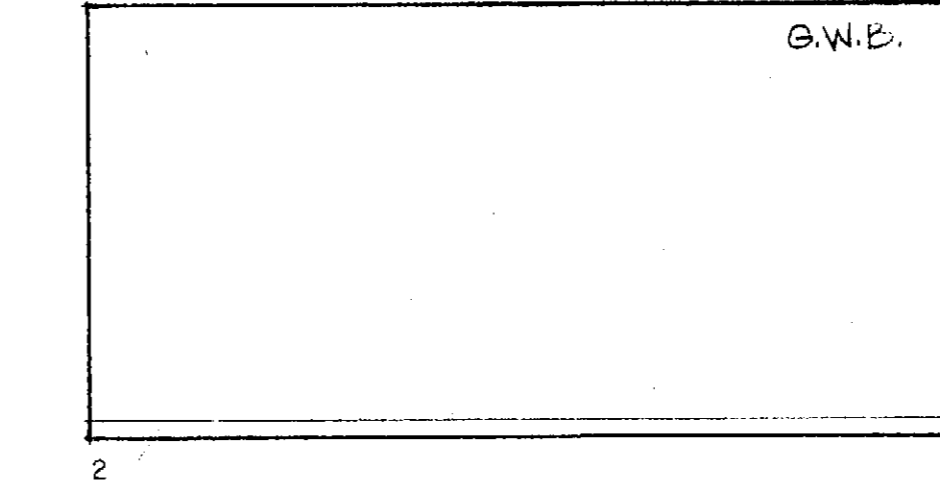
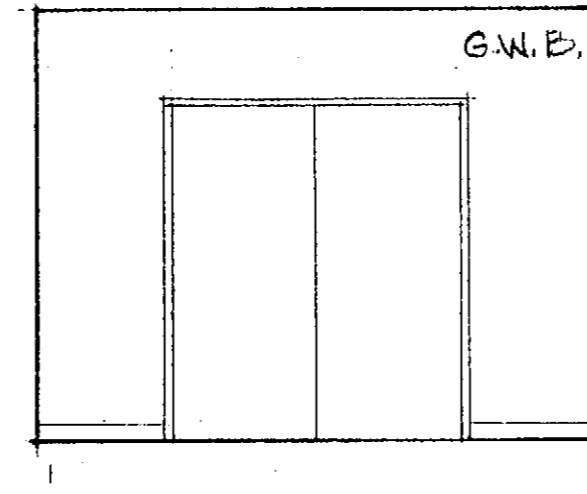
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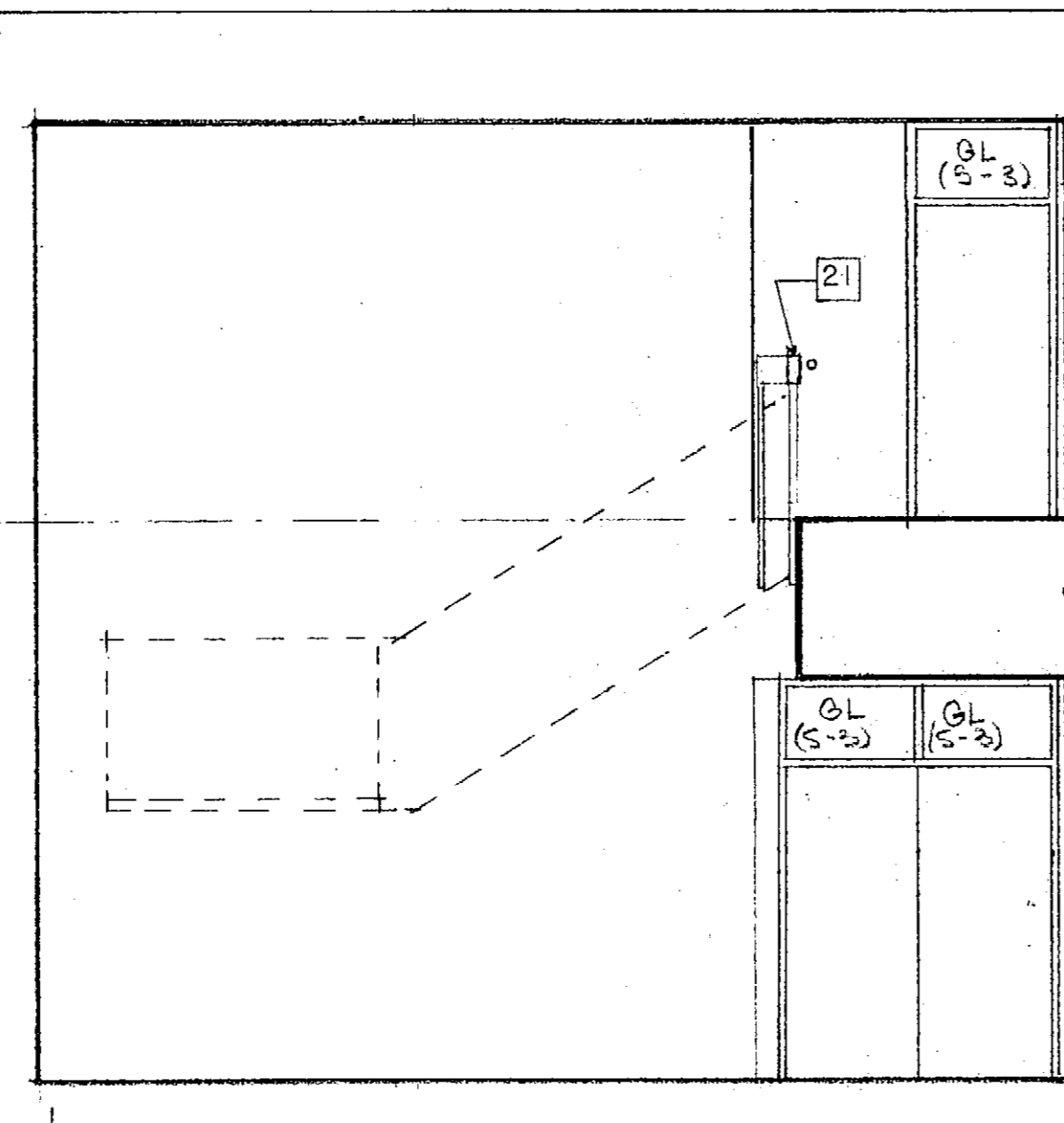
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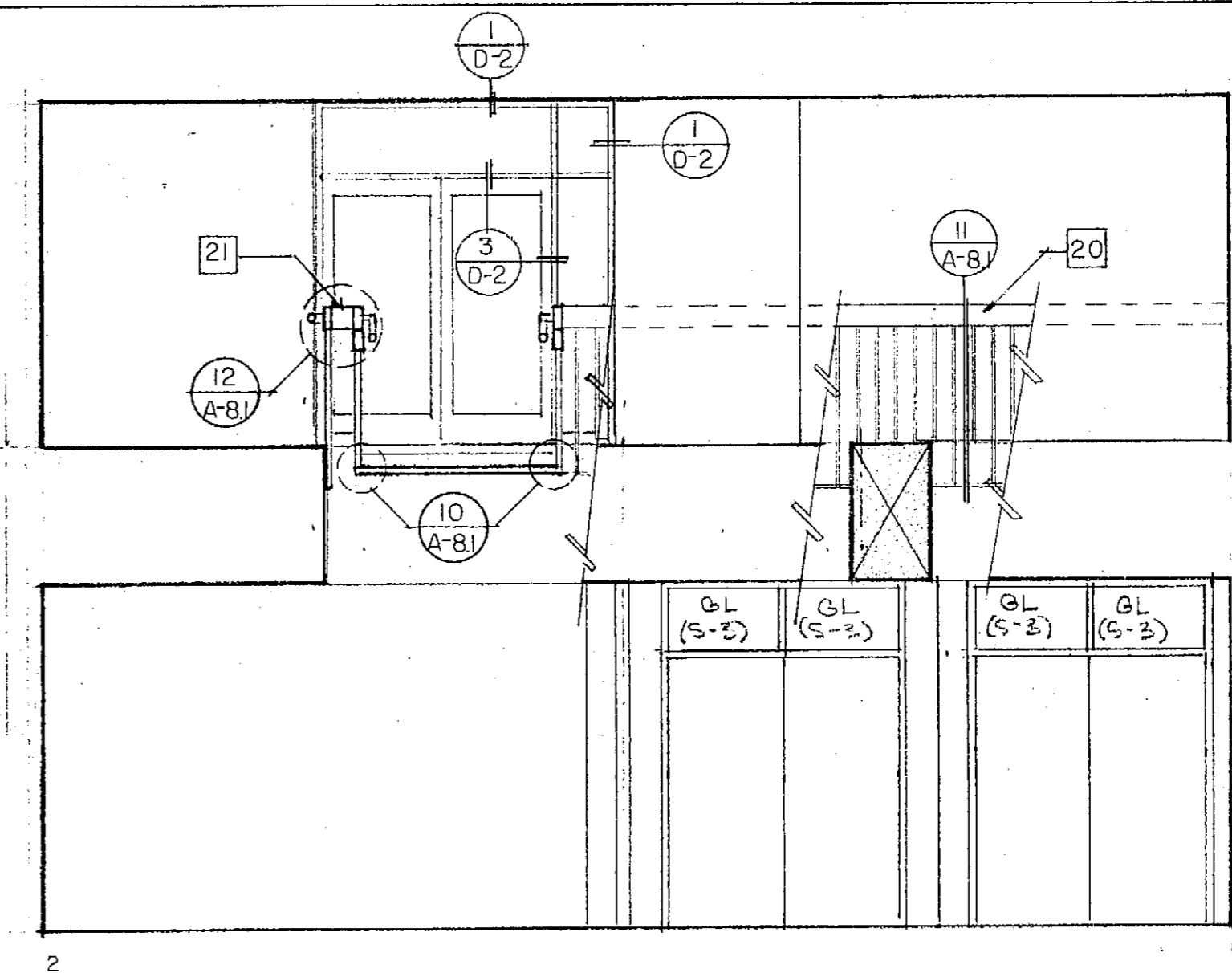
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119



FOYER 121 AND STAIR #2 141



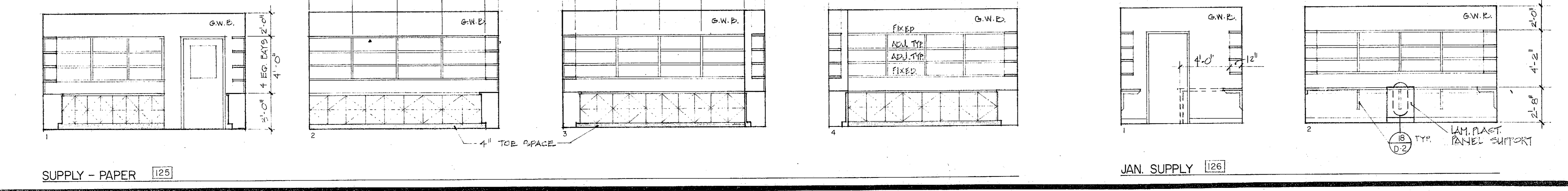
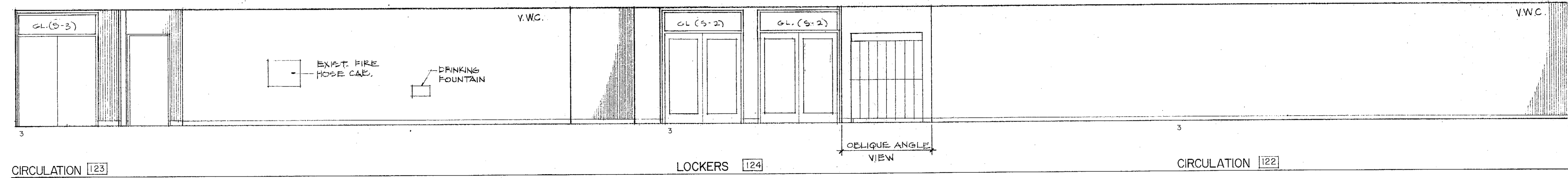
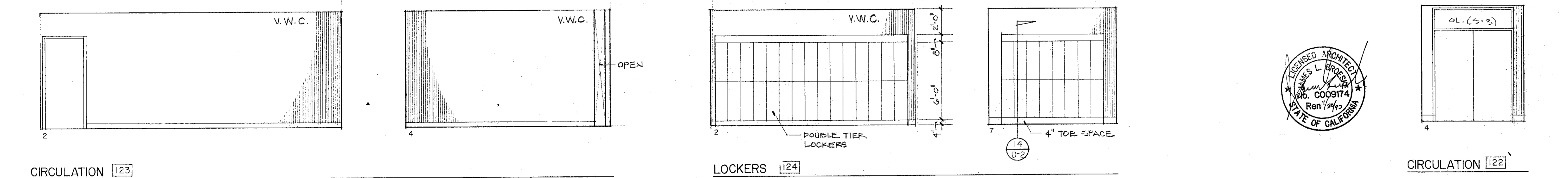
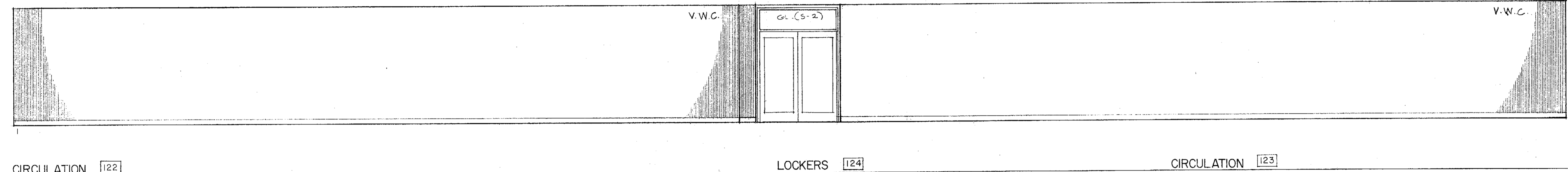
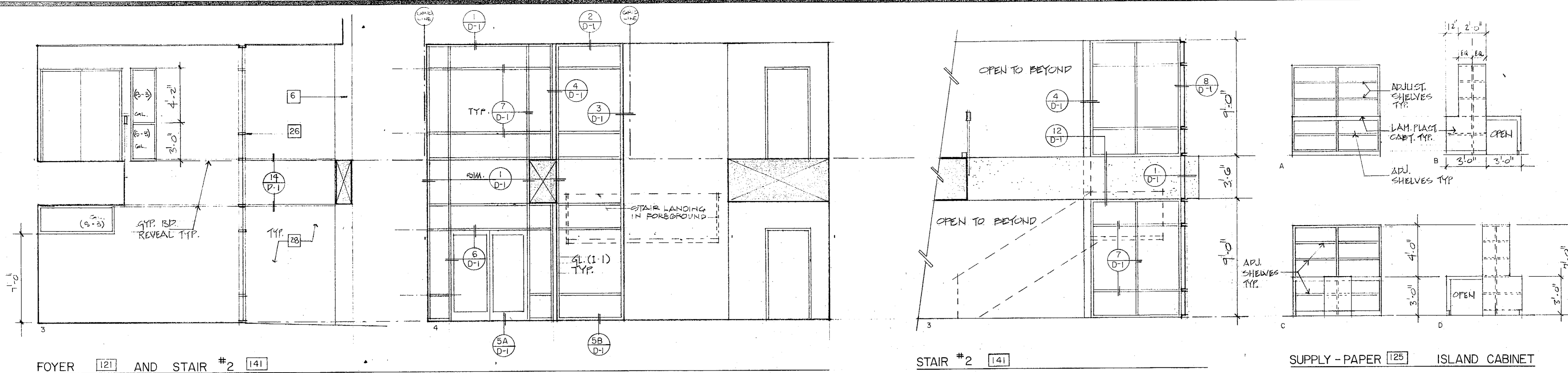
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JOB NO.	91002
SHEET	A-17
OF SHEETS	



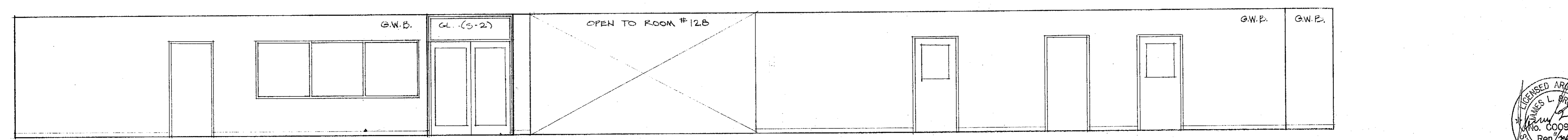
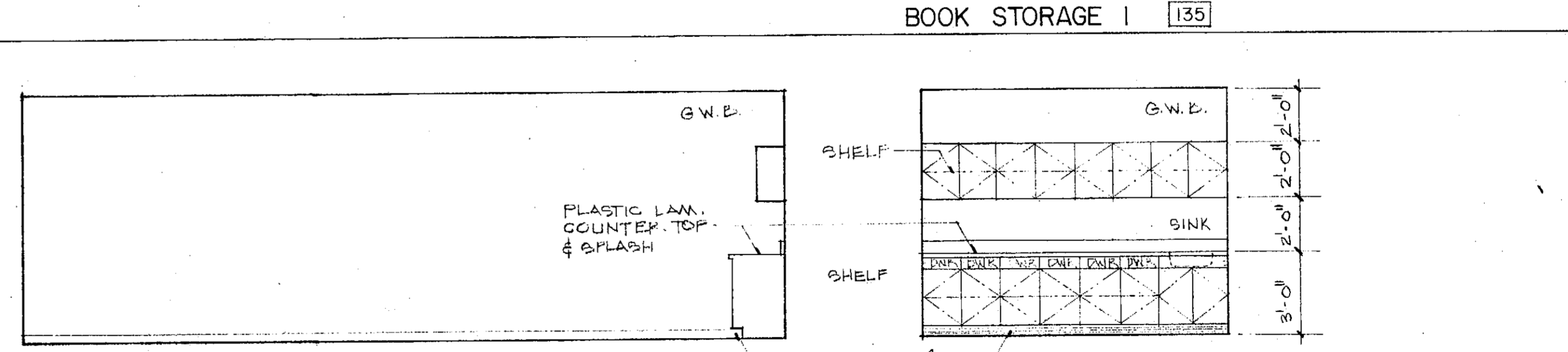
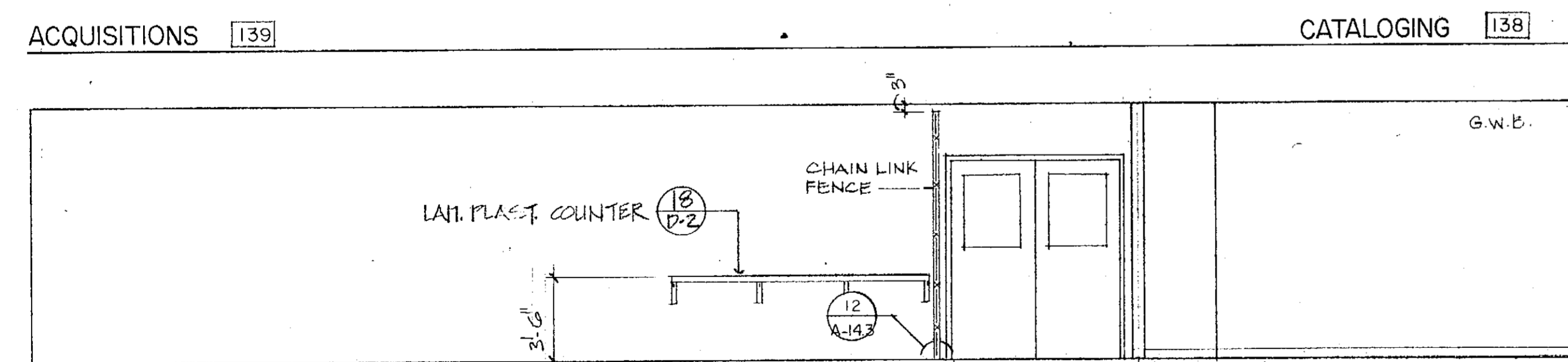
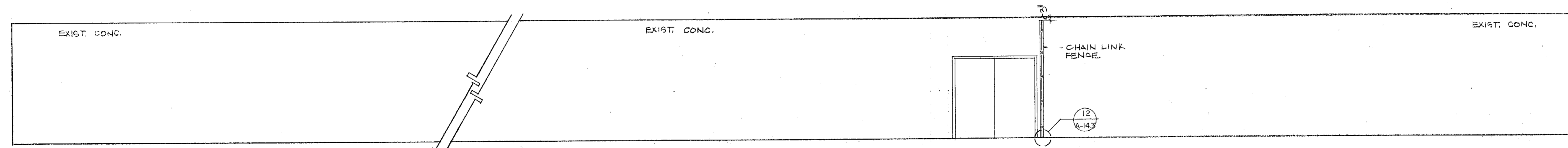
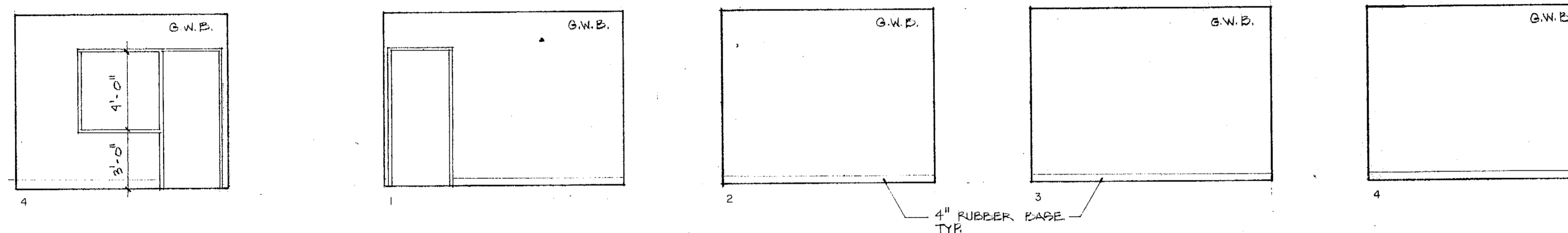
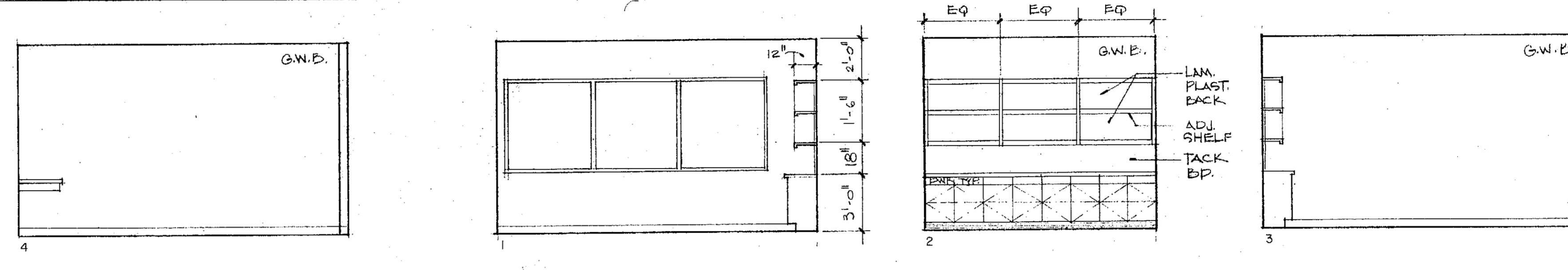
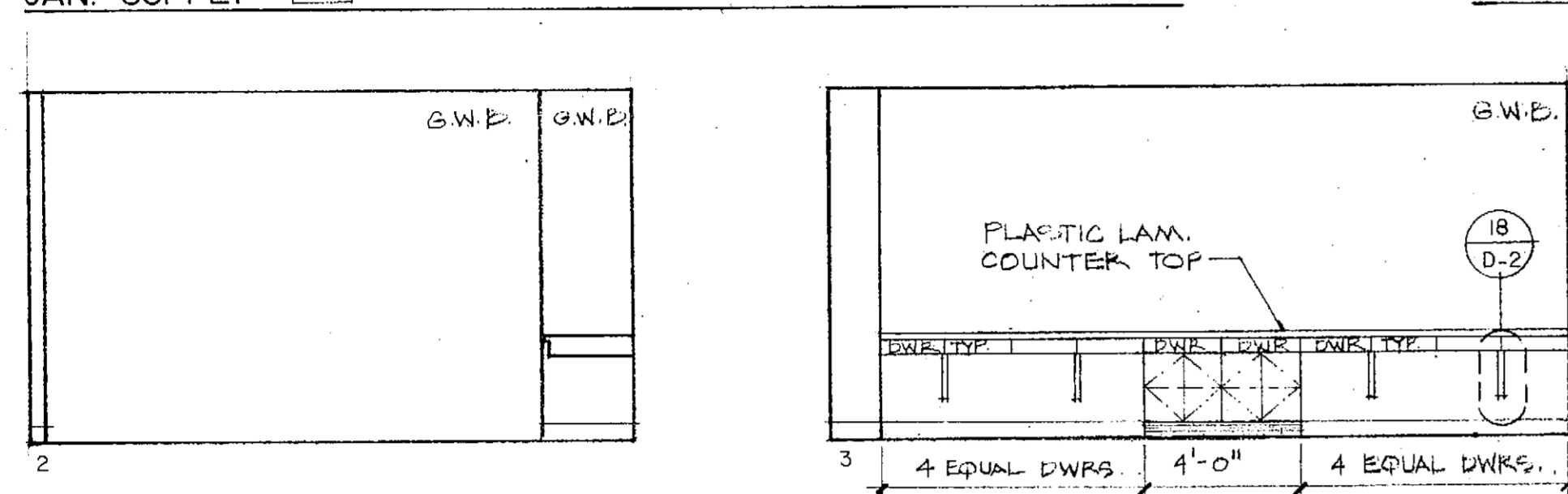
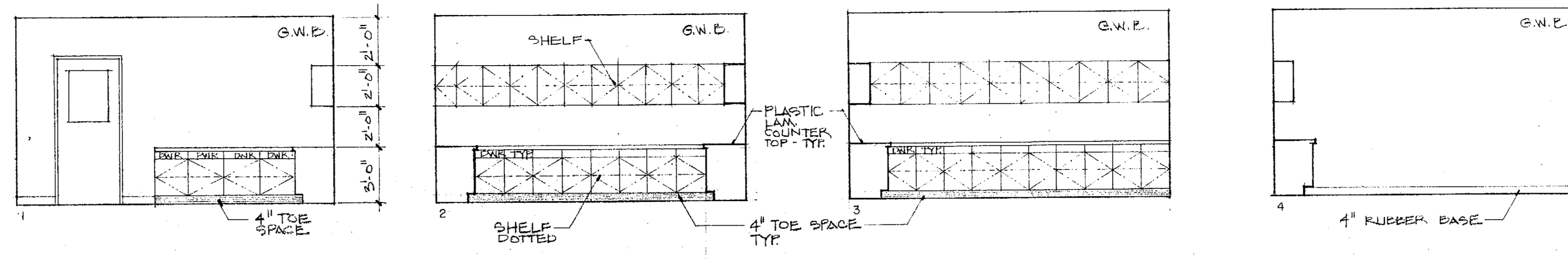
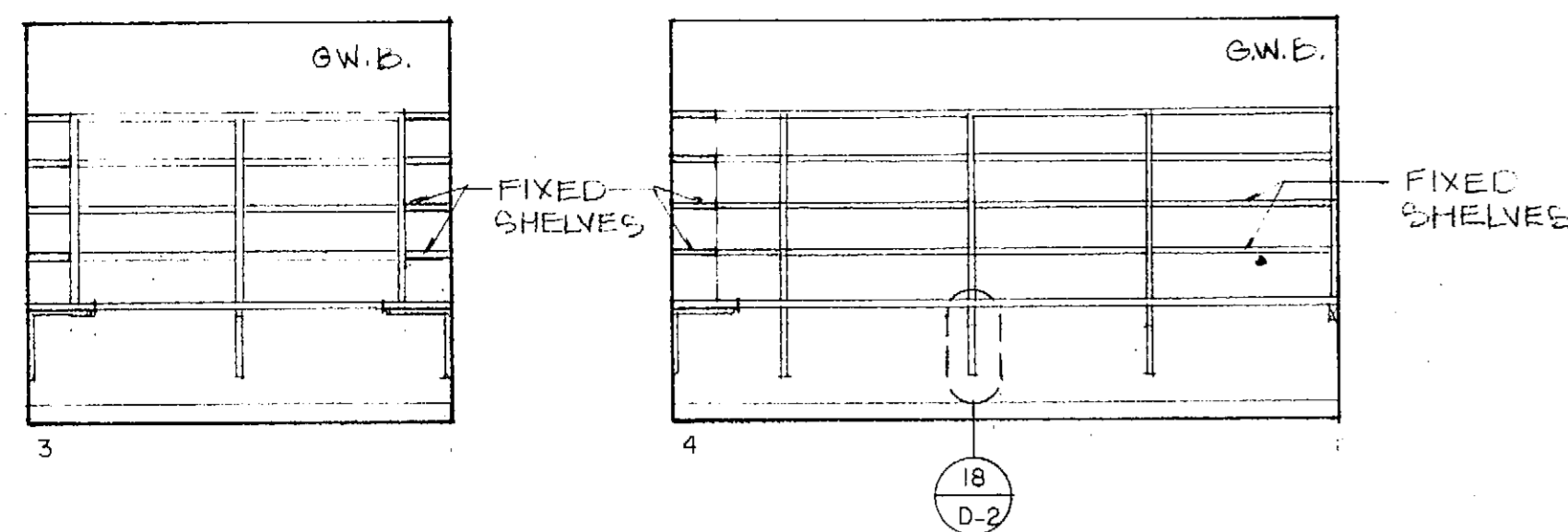
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CHECKED	J.E.
DATE	12-13-91
SCALE	1/4" = 1'-0"
JOB NO.	91002
SHEET	A-18
OF	SHEETS

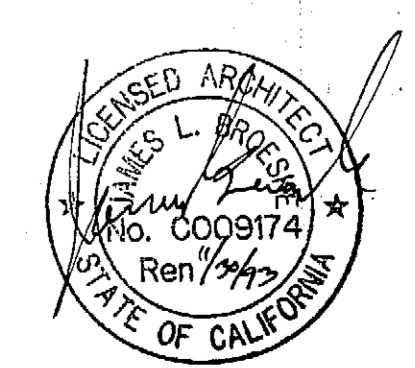


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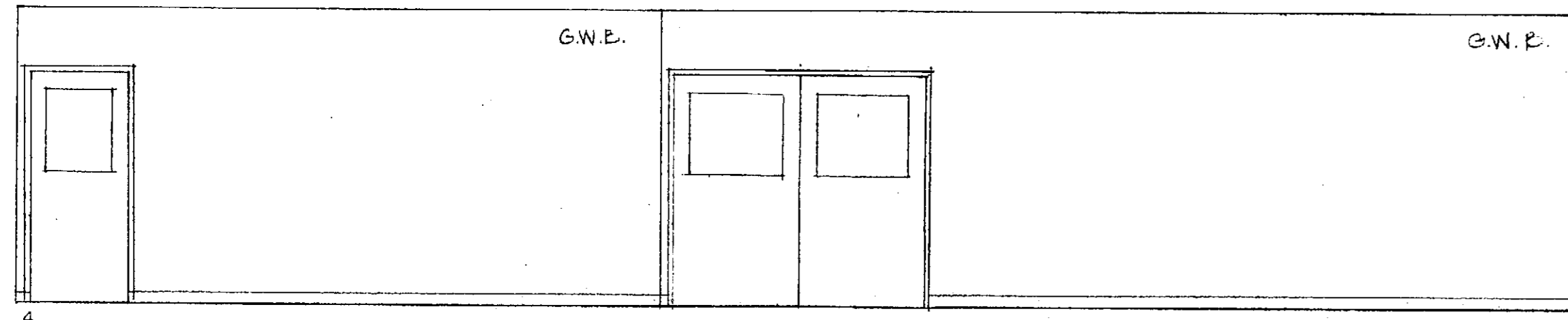
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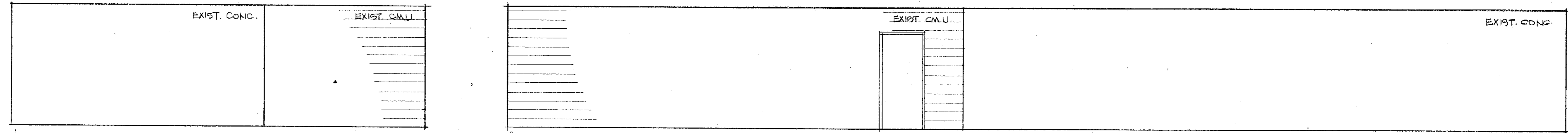
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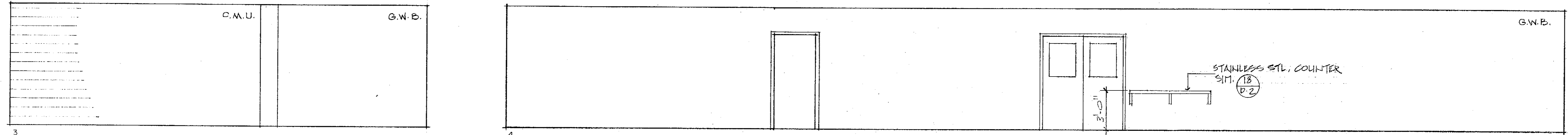
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DATE	12-13-91
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SHEET	A-19



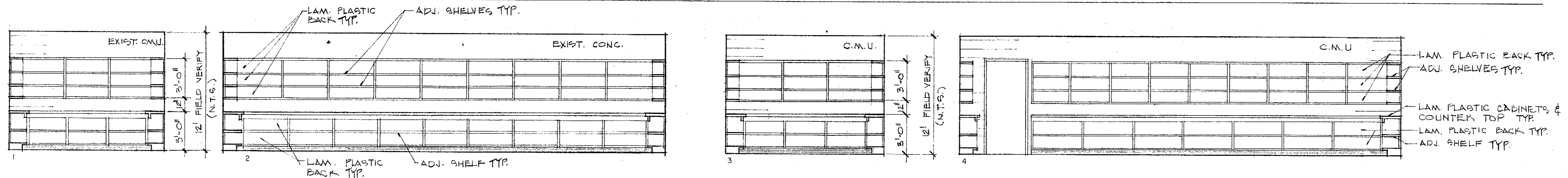
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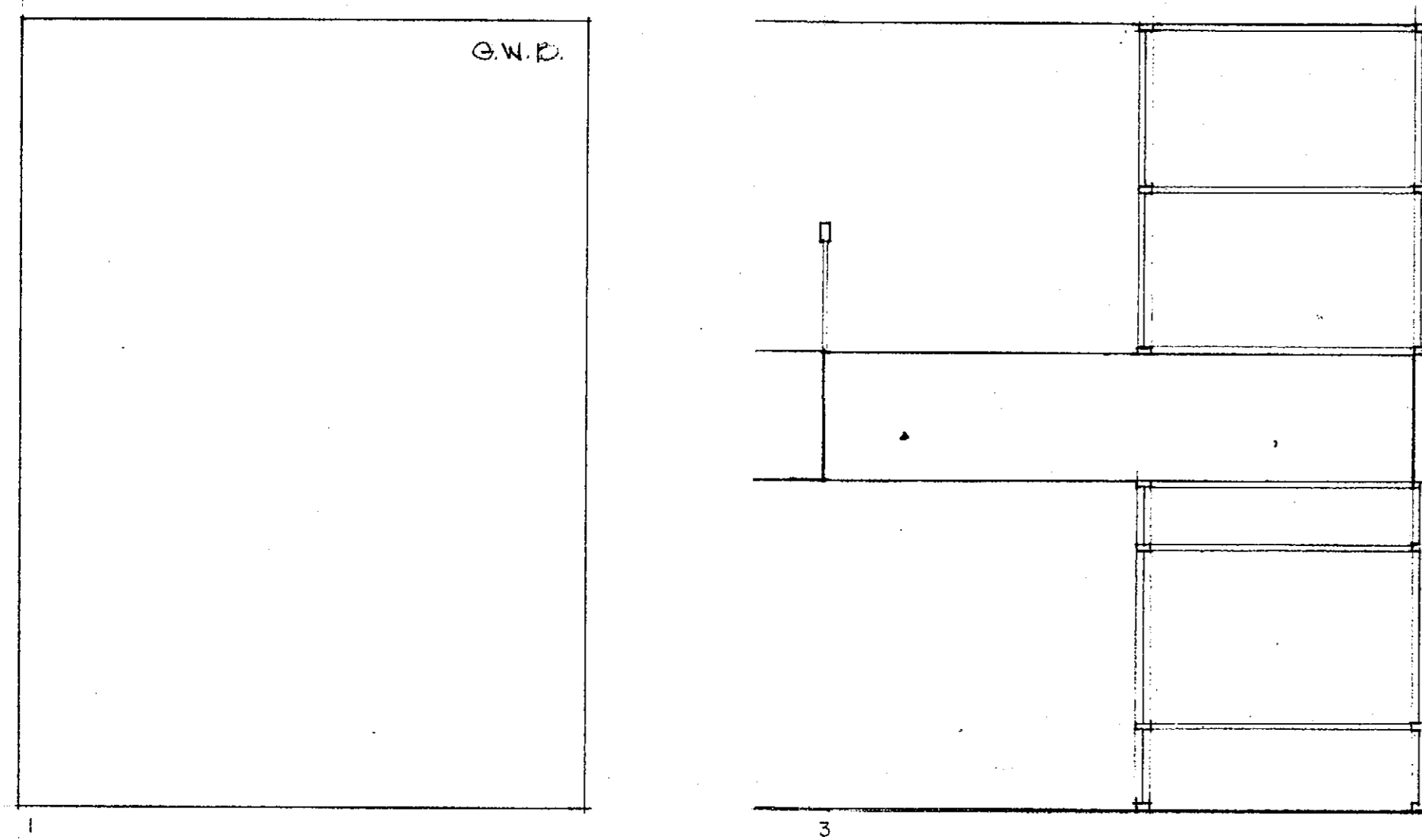
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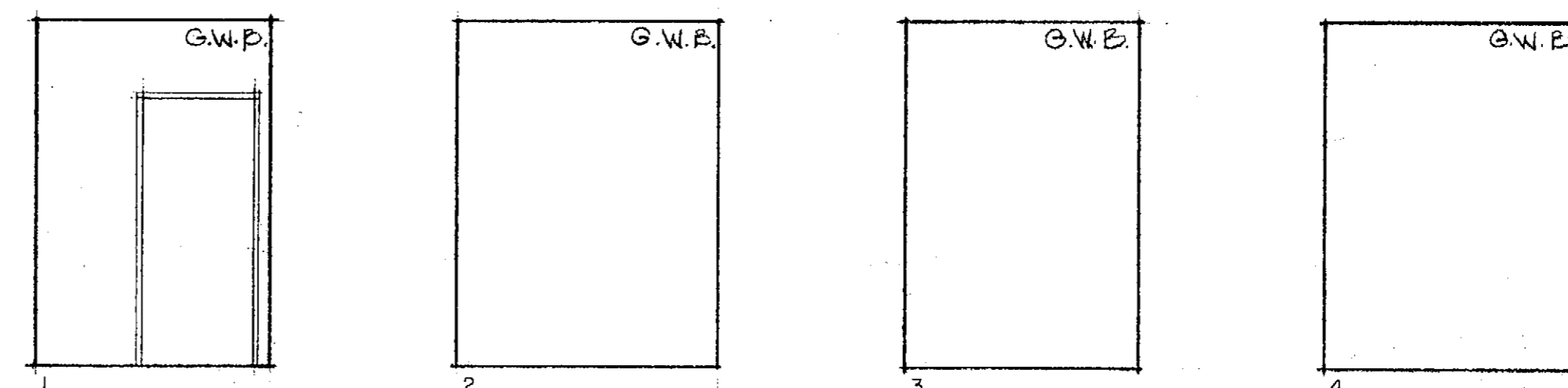
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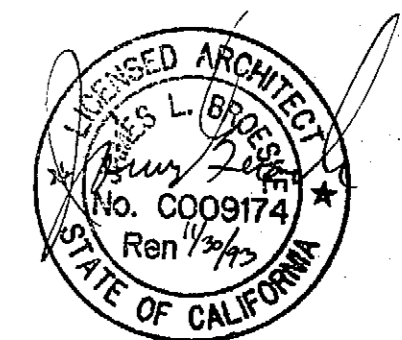
EXIST. VAULT 134



STAIR #2 141



ELEV. EQUIP 142



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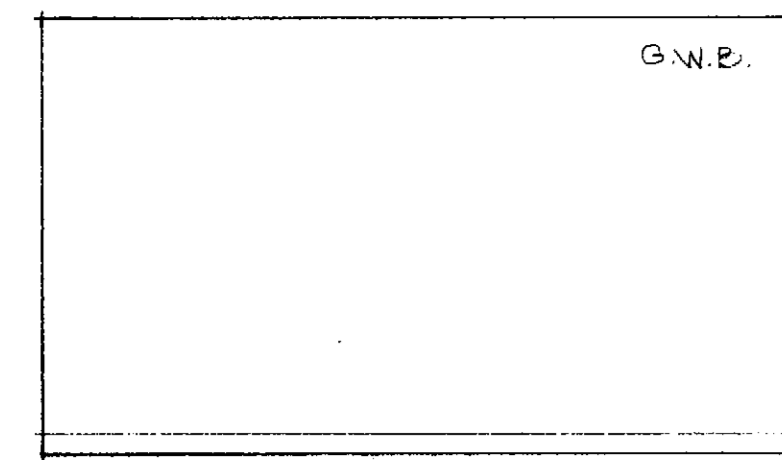
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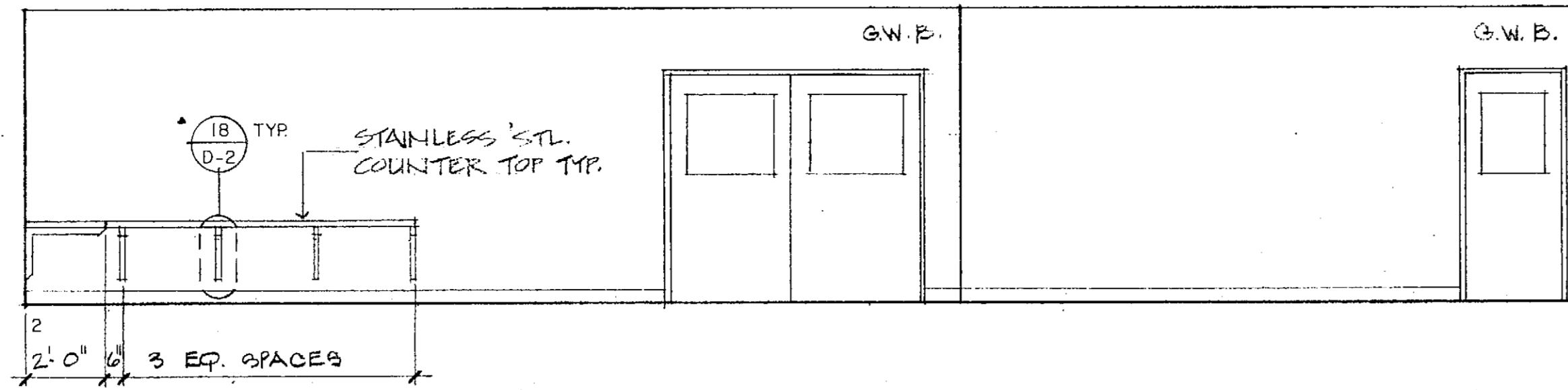
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CHECKED	JE
DATE	12-12-91
SCALE	1/4" = 1'-0" II
JOB NO.	91002
SHEET	

A-20

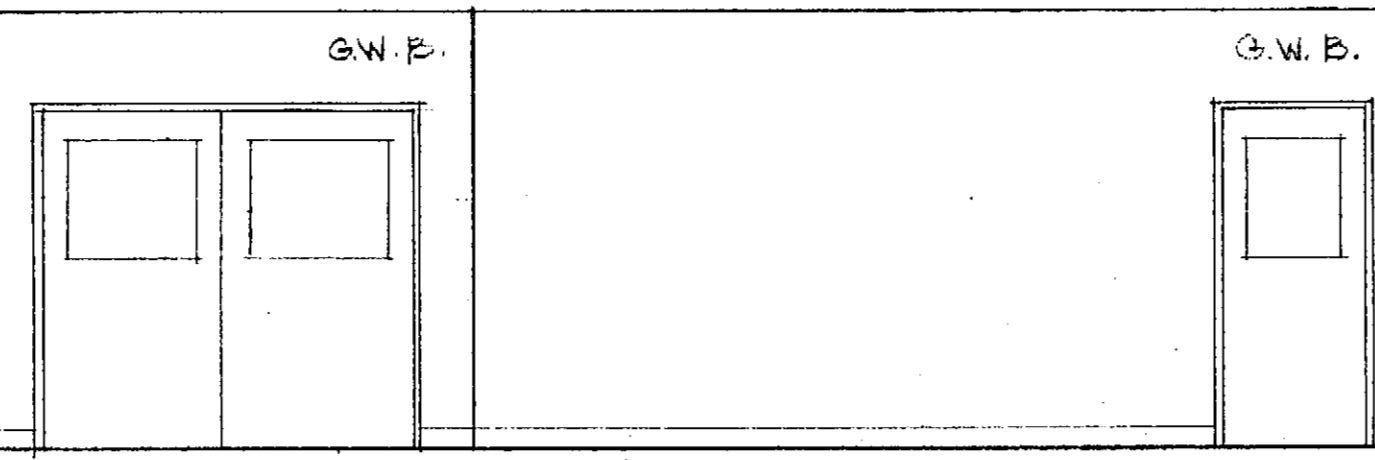
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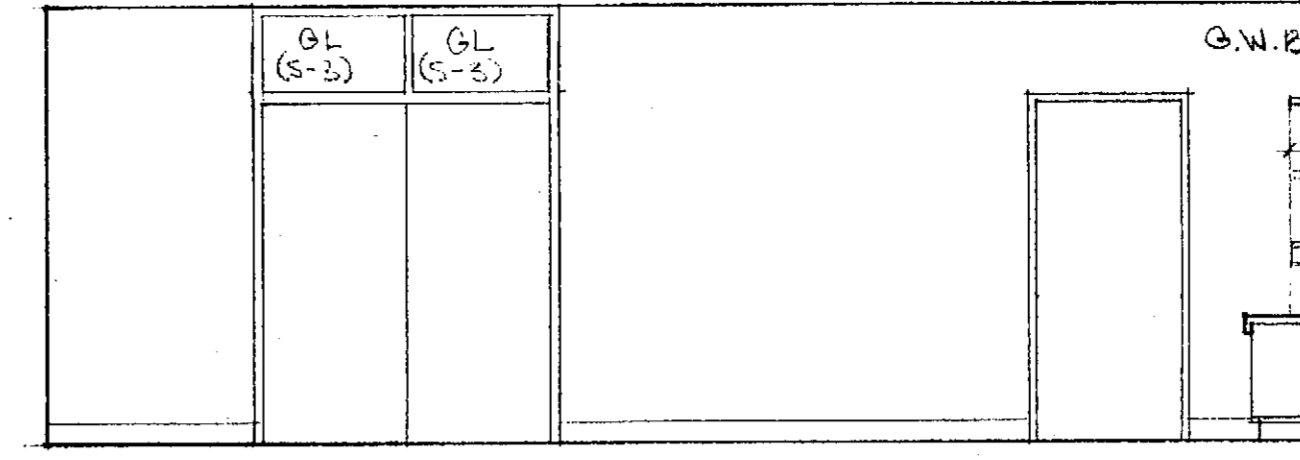
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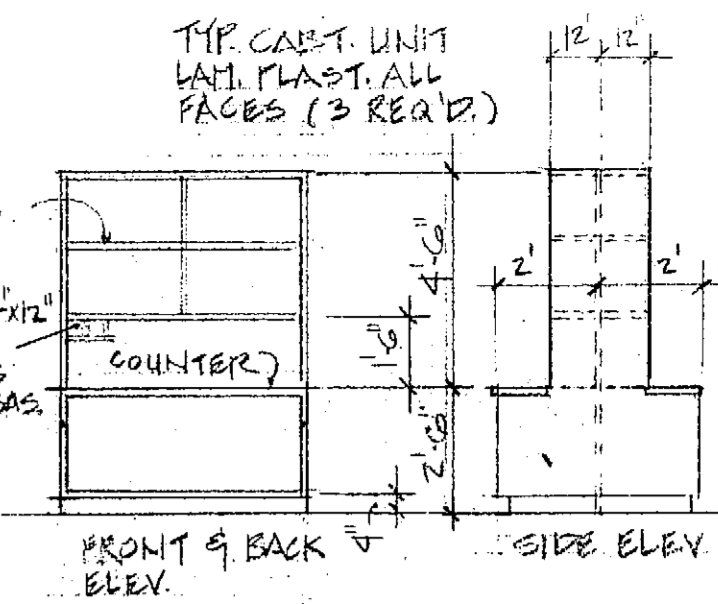
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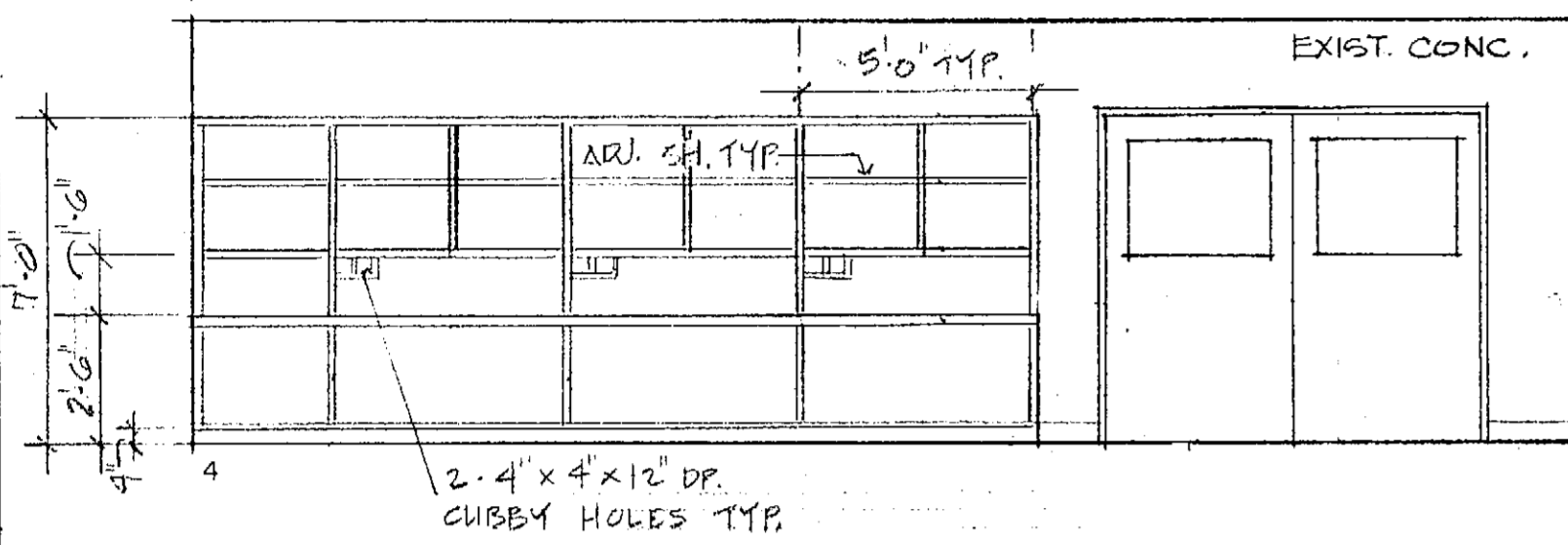
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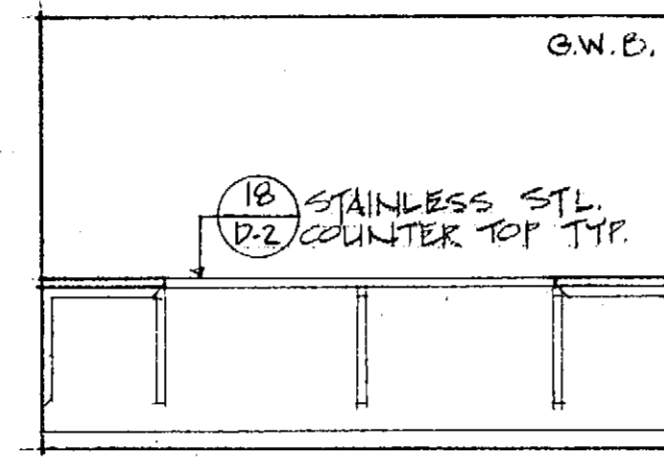
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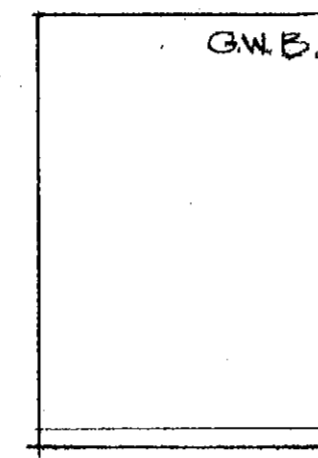
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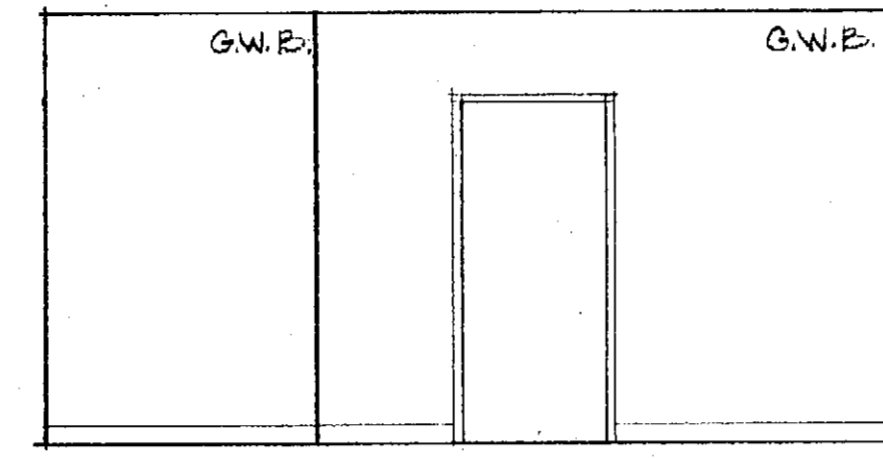
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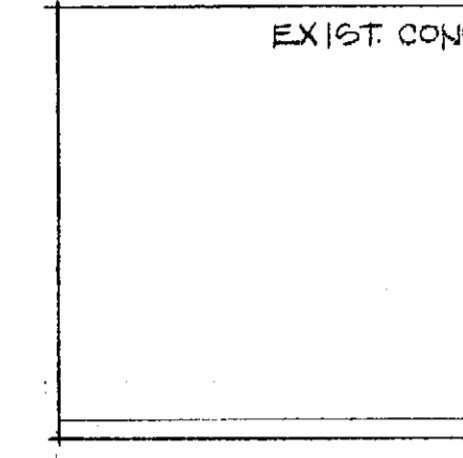
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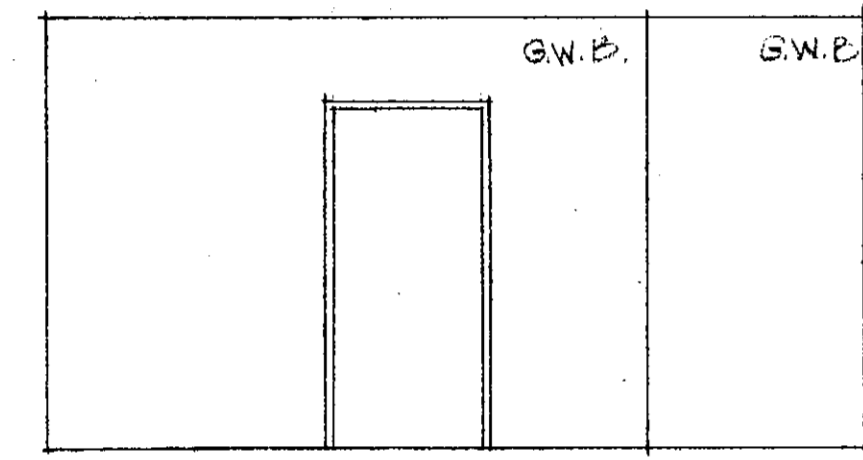
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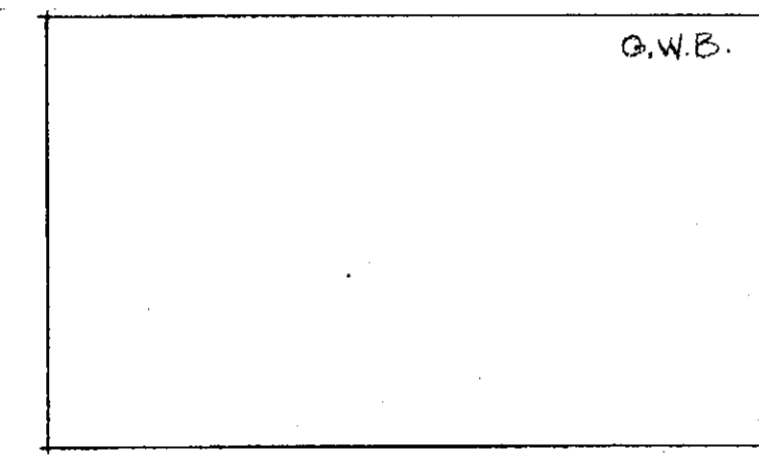
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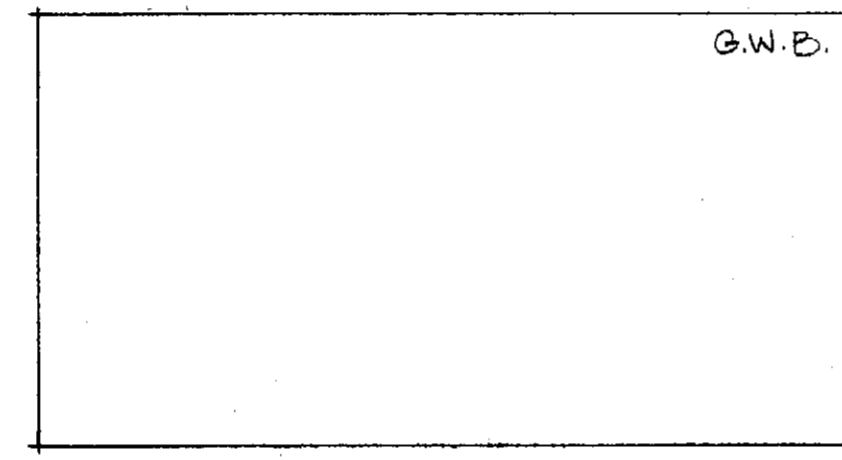
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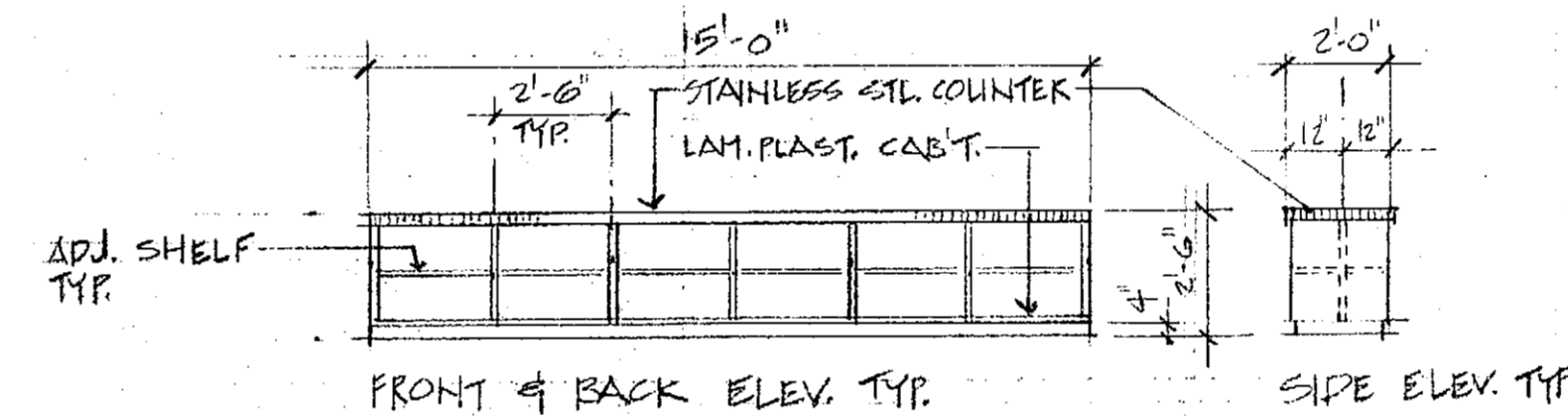
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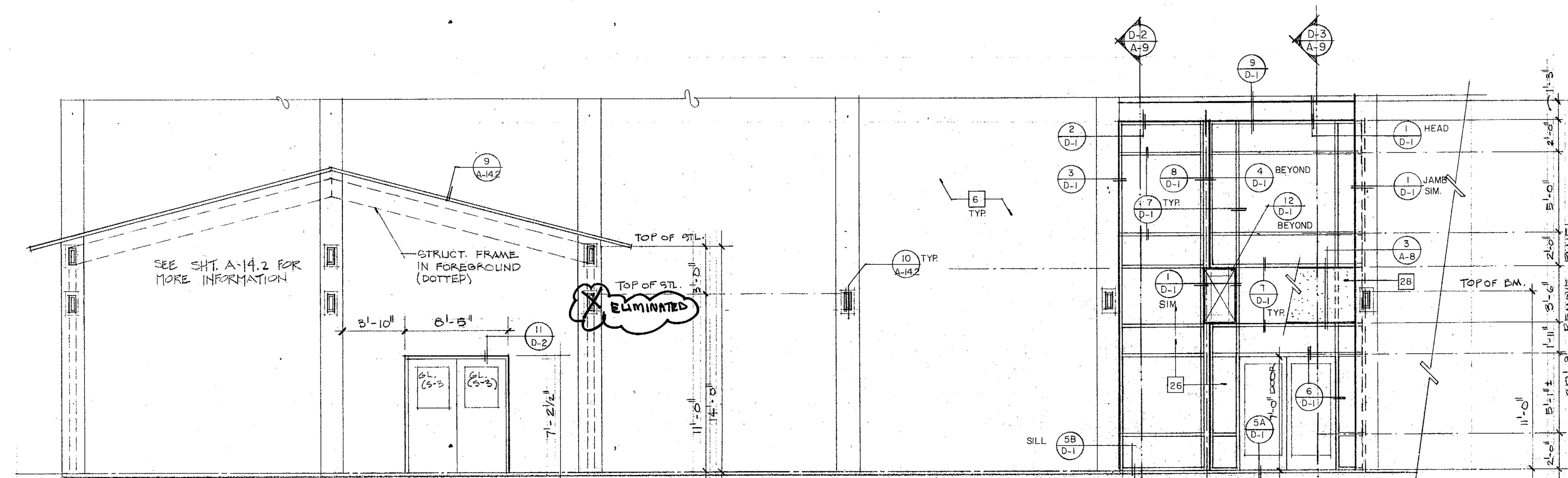
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MAIL, DELIVERY/SUPPLY 144 ISLAND COUNTER



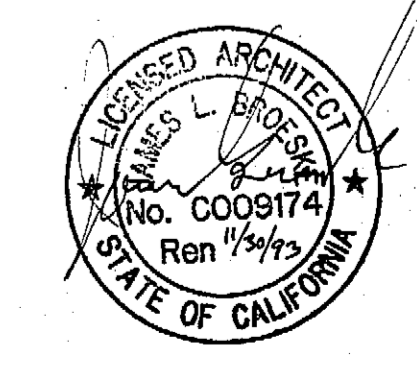
LOADING DOCK 150

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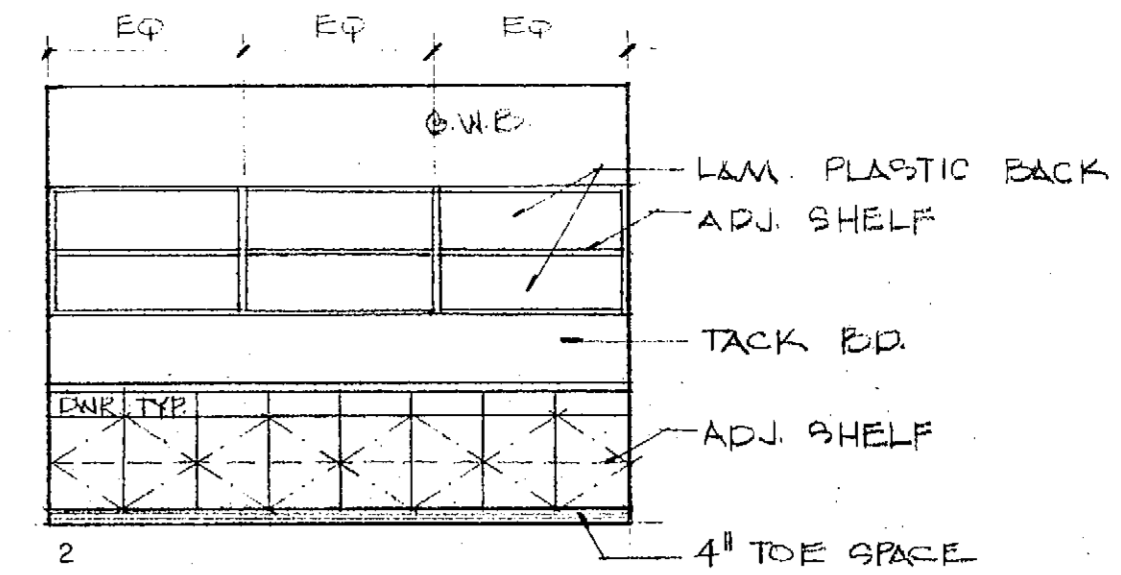
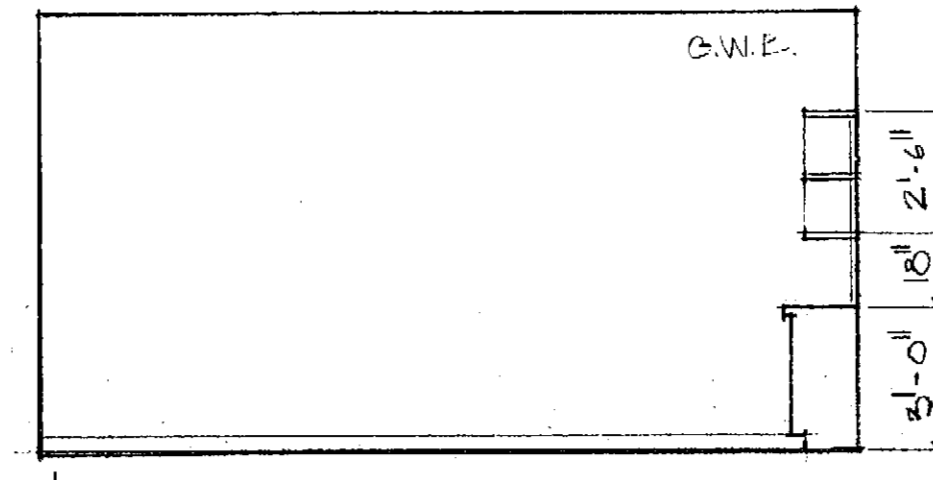
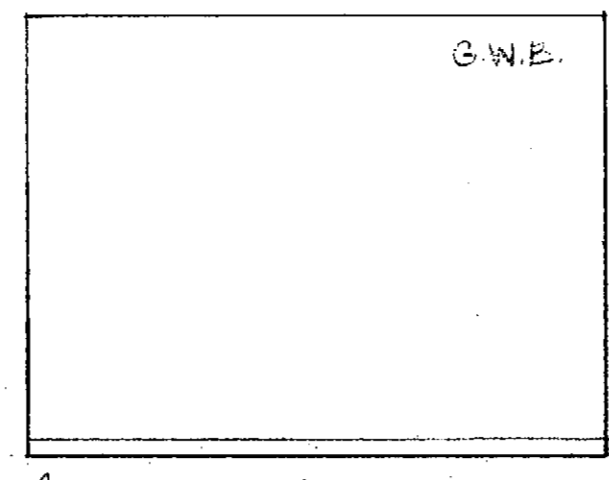
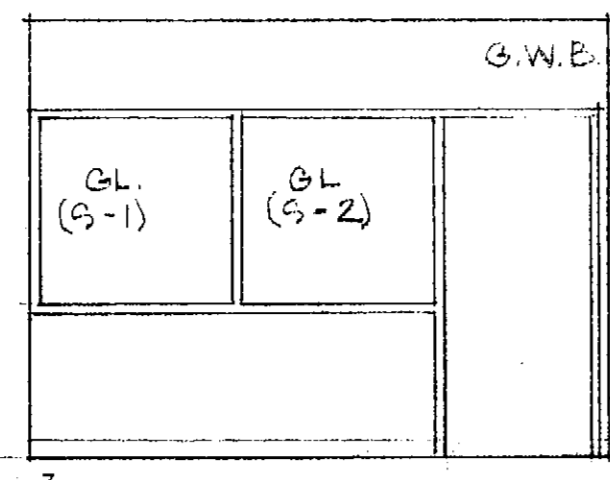
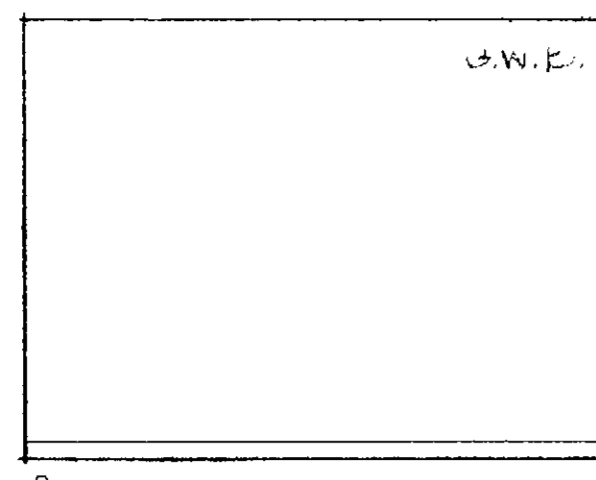
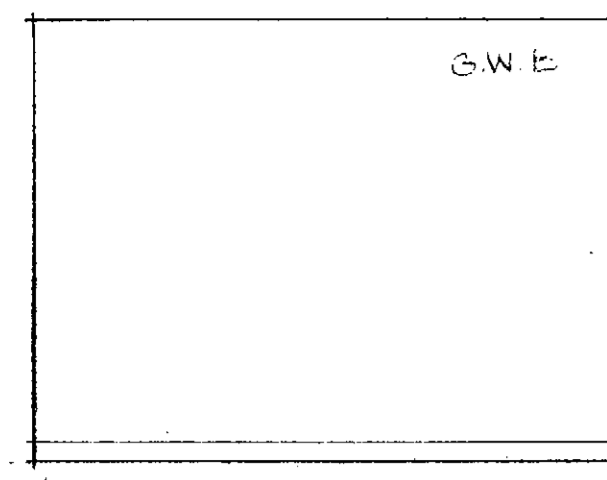
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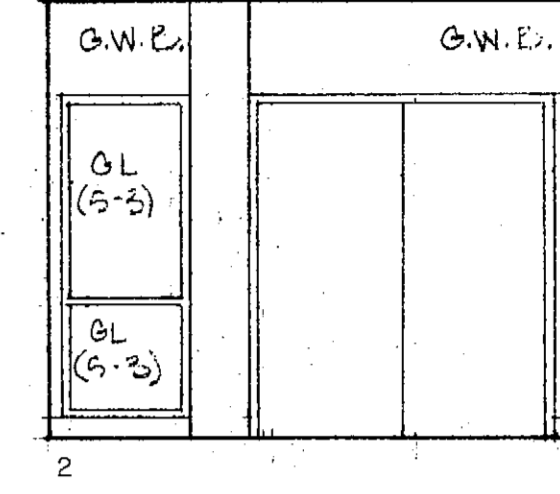
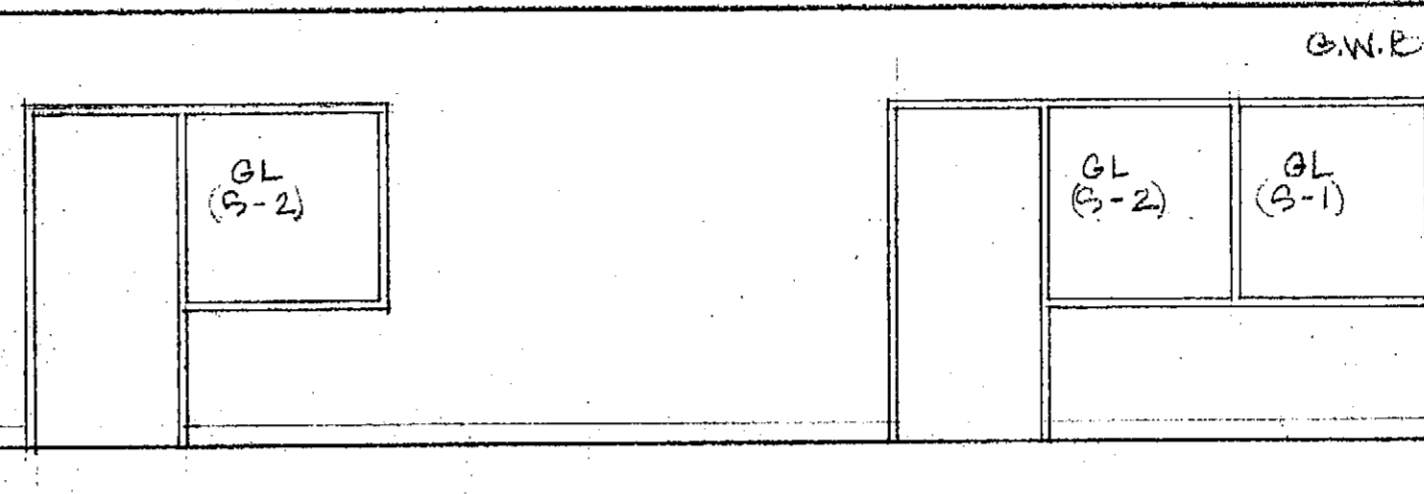
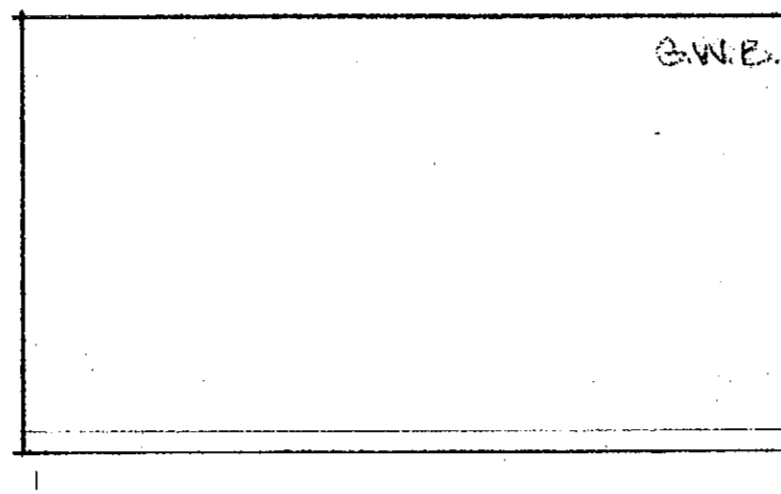
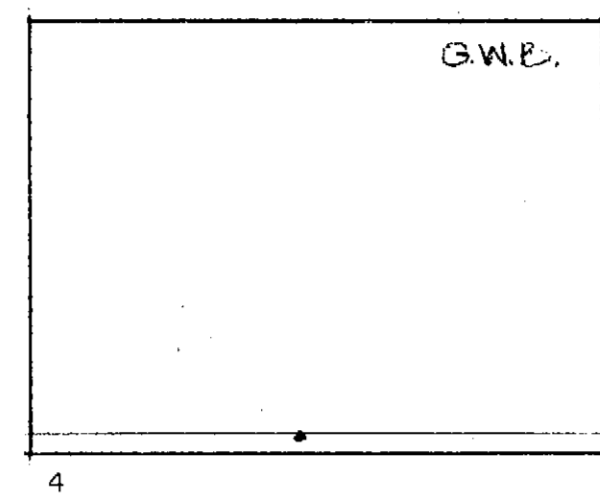
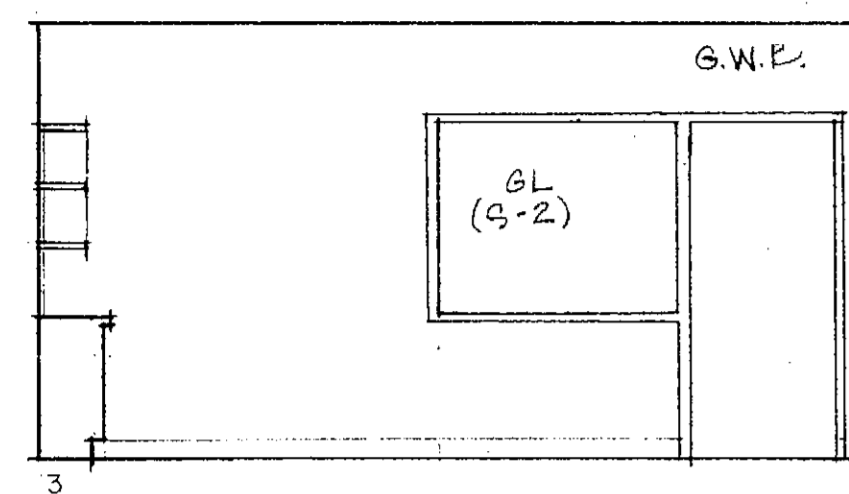
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MEETING RM. 202

ASSIS. DIRECTOR 203

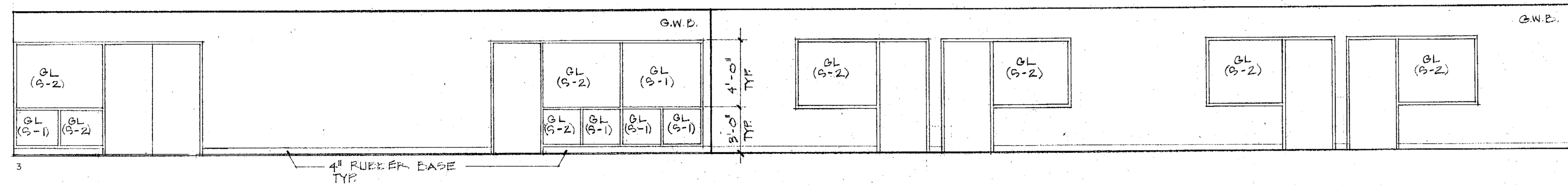


203

RECEPT. 205

SEC. 204

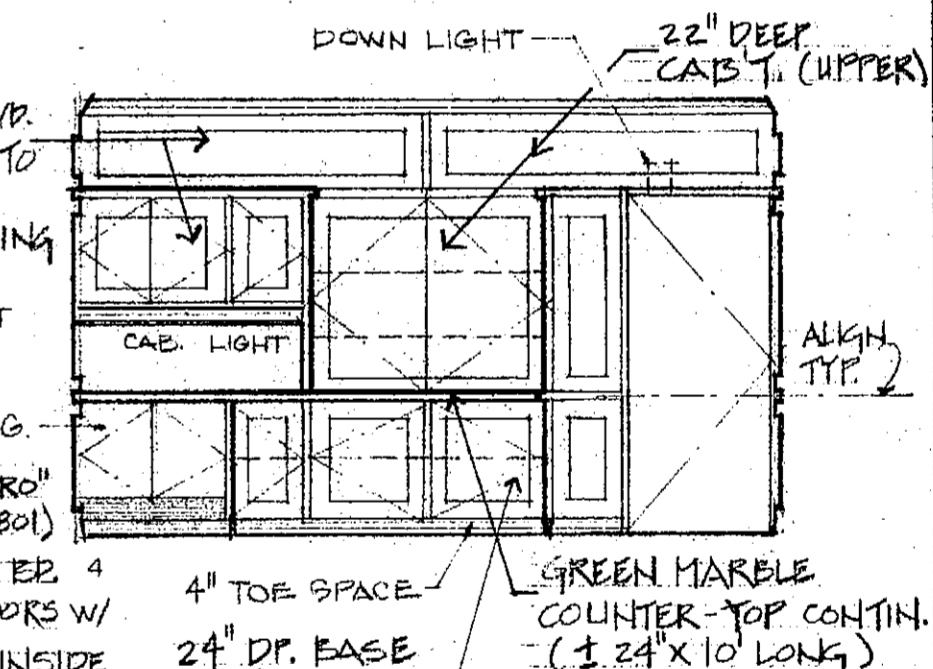
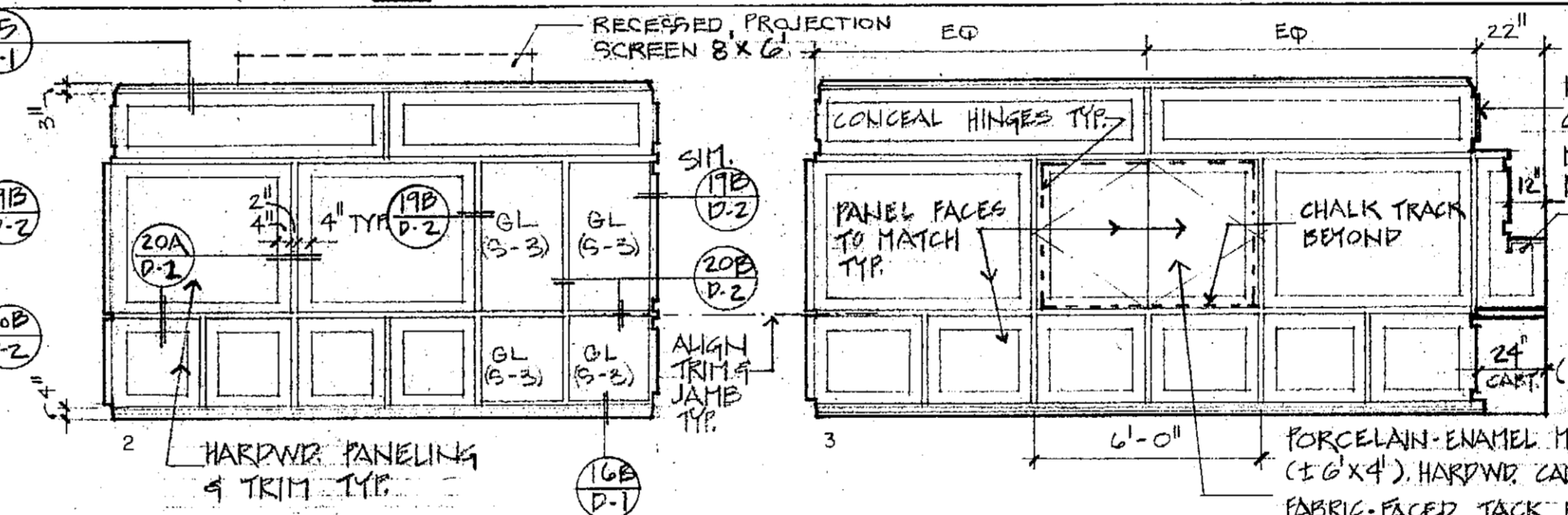
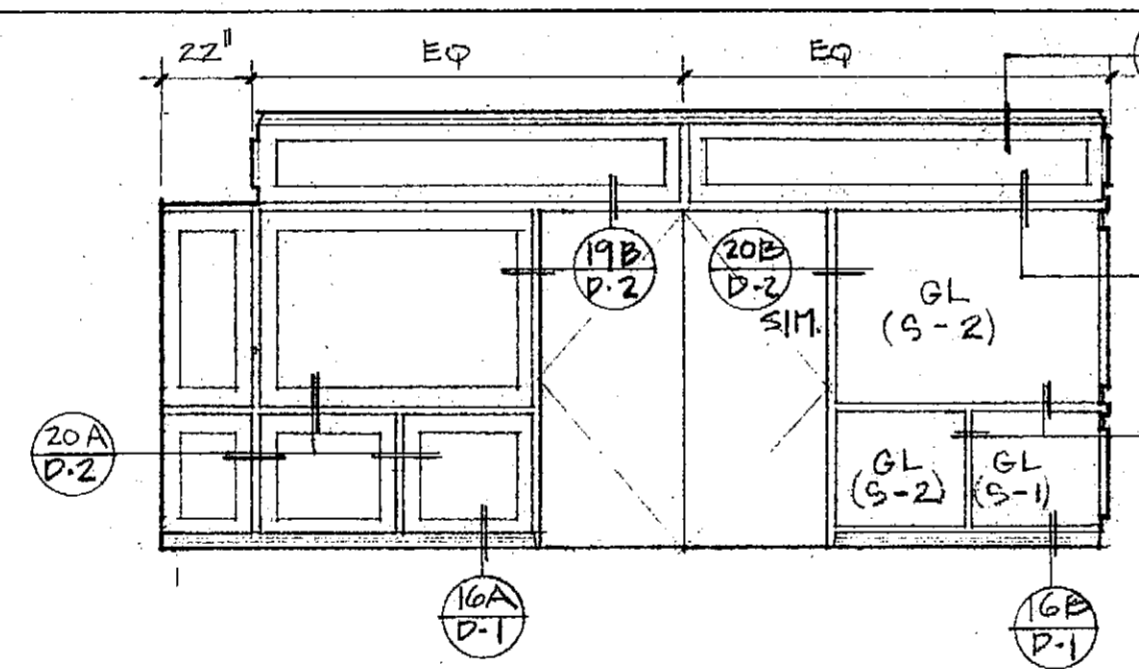
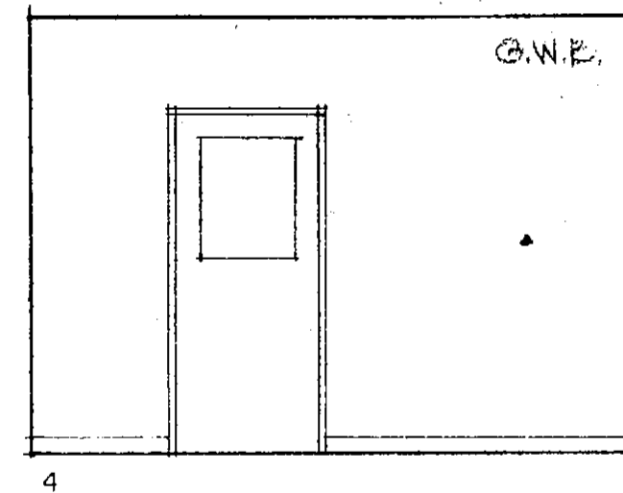
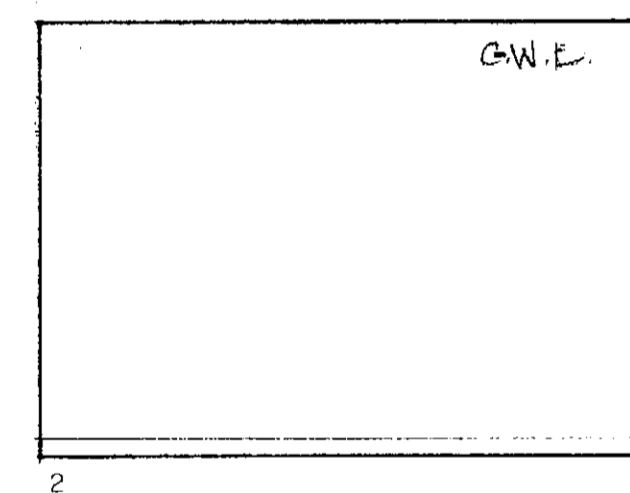
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NOTE  
SEE SPECS. FOR  
GLASS TYPE SCHEDULE

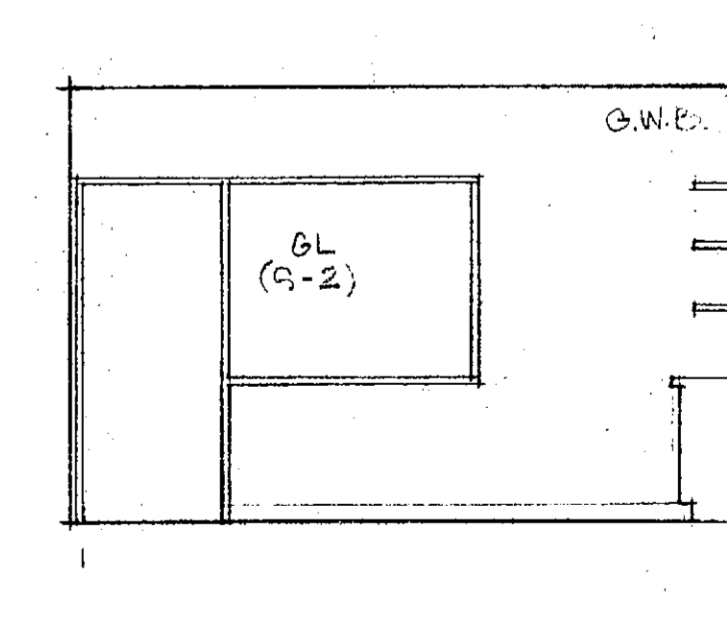
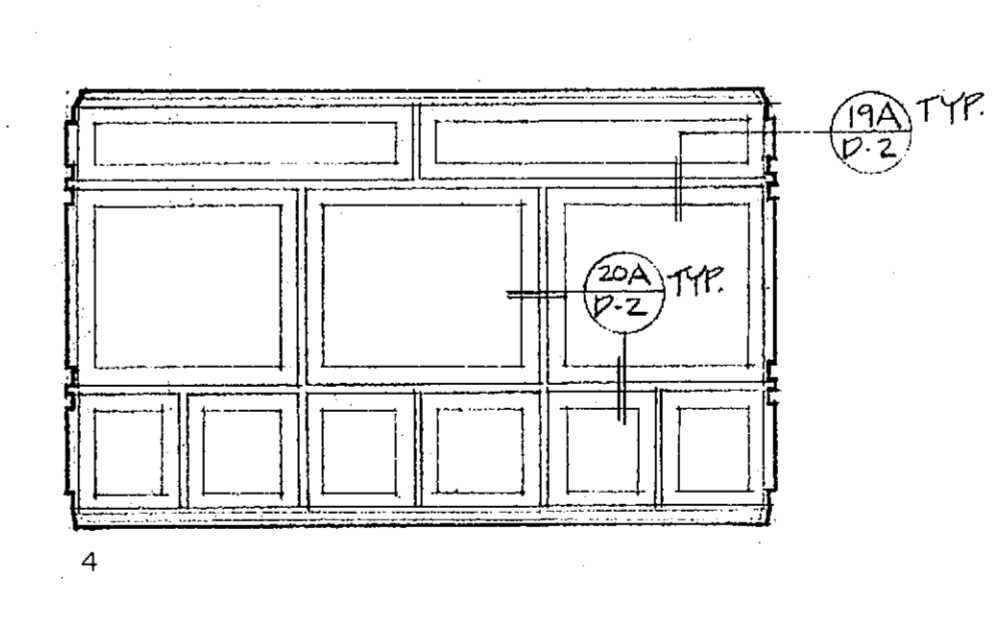
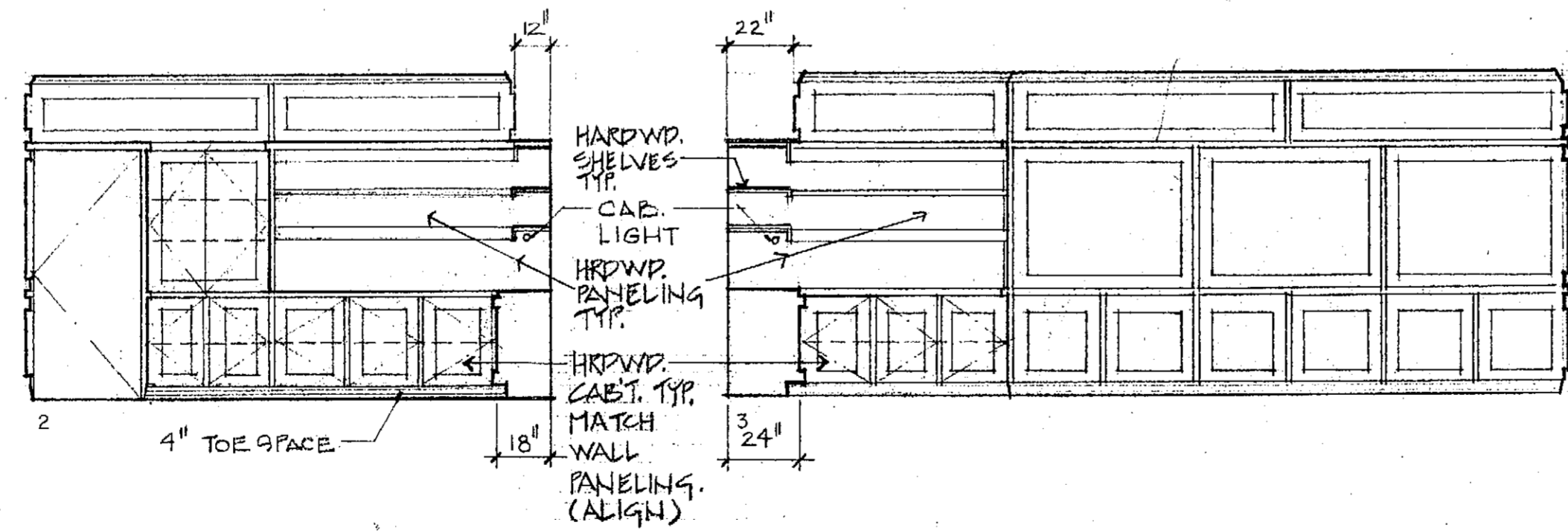
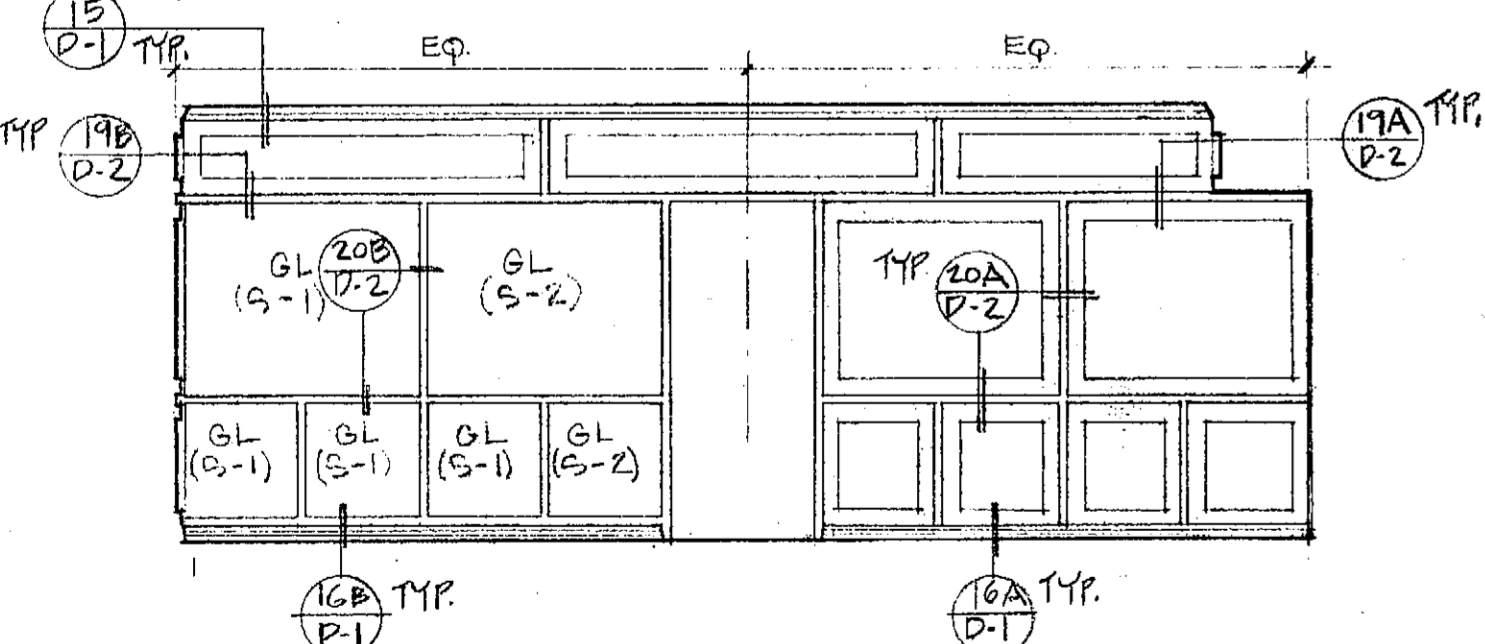
RECEPT. 205

OPEN OFFICE 224



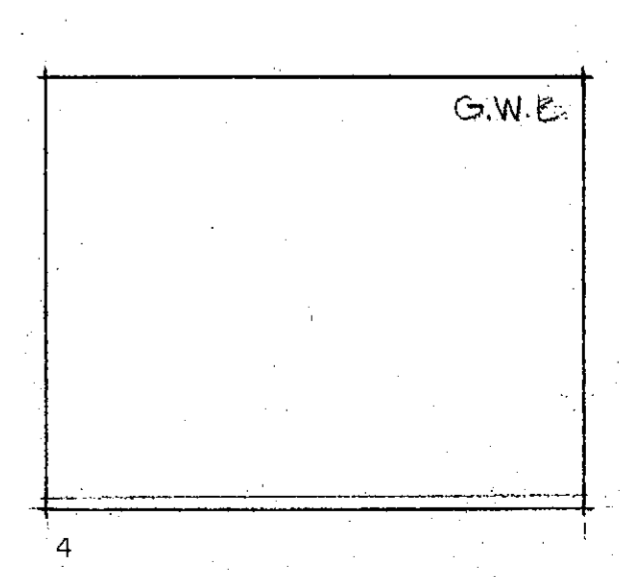
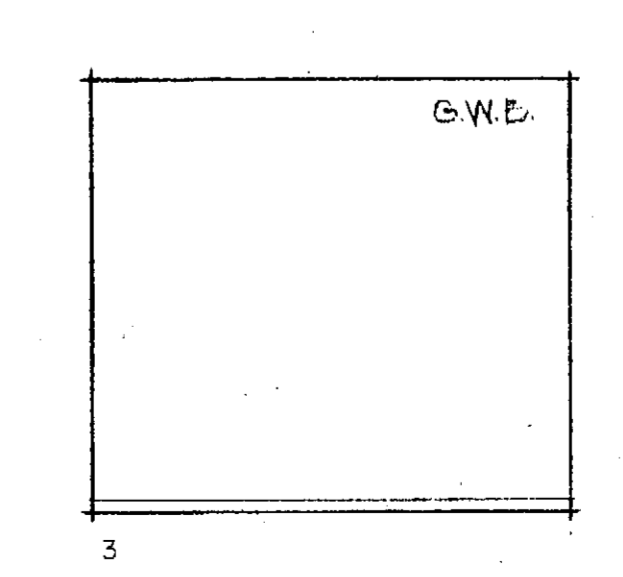
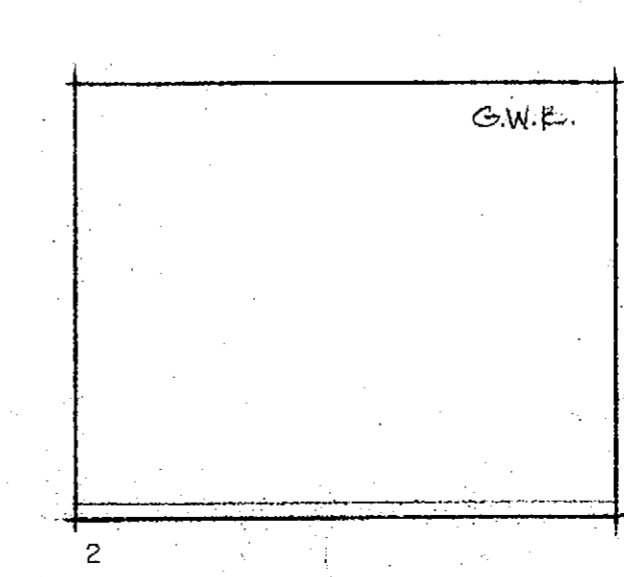
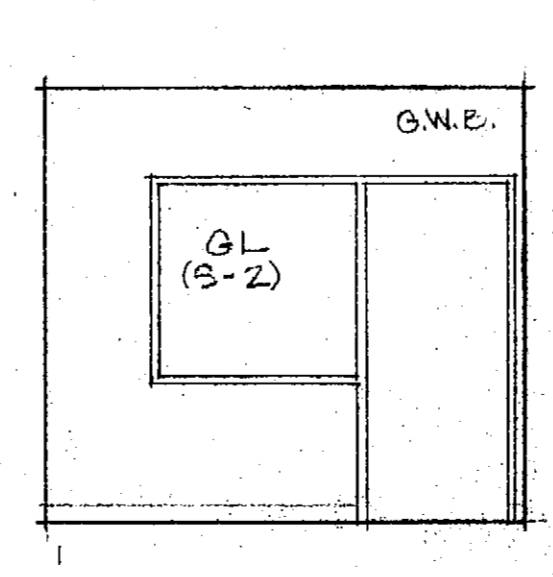
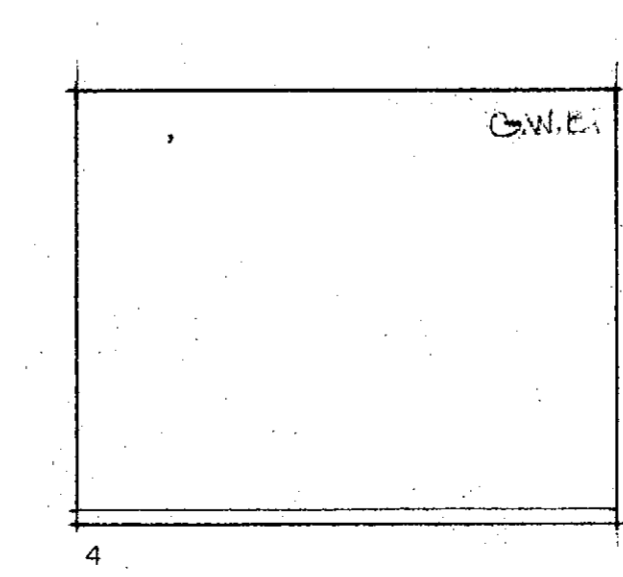
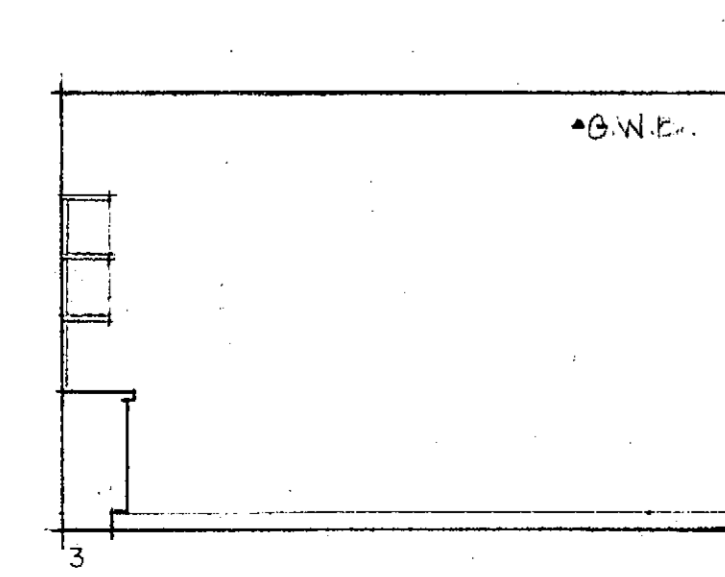
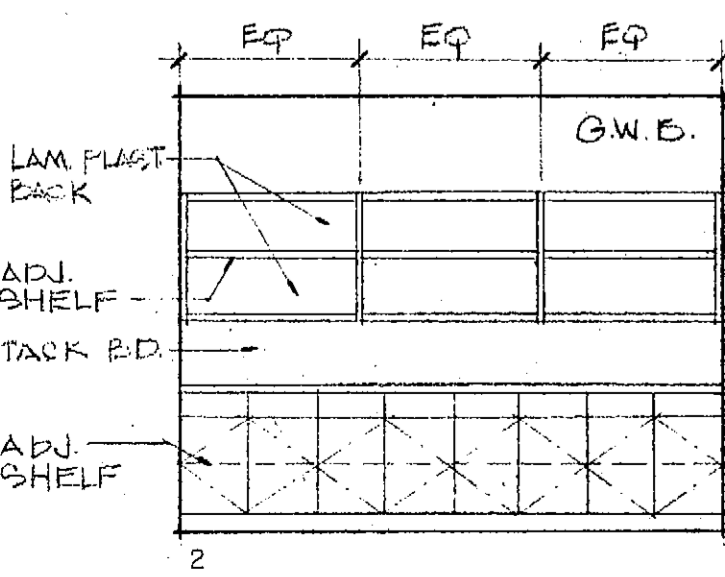
SEC. 204

BOARD ROOM 206



DIRECTOR 207

ADMIN. SERV. OFFICE 208



208

ADMIN. ASSIST. 2 209

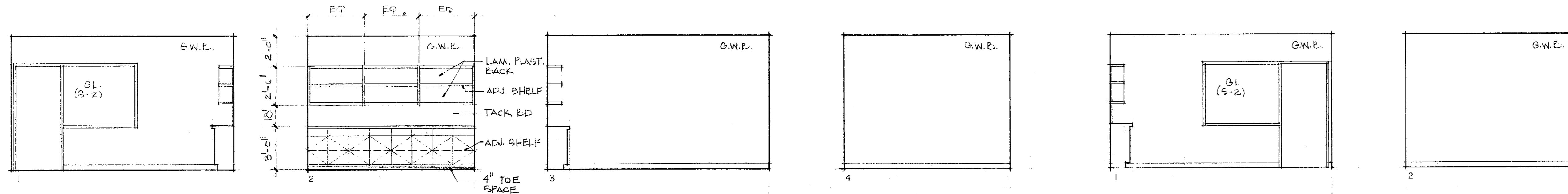
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Riverside, Ca.

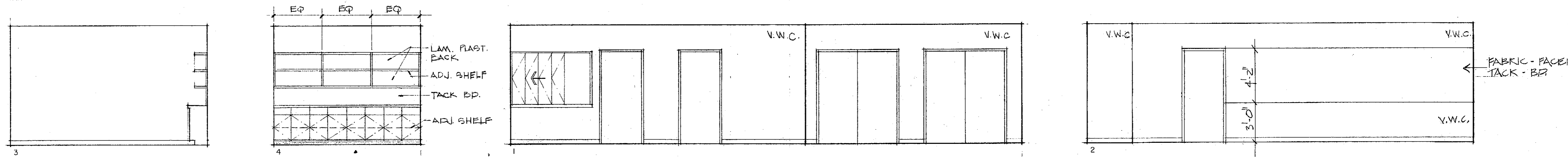
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CHECKED	JE
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JOB NO.	91002
SHEET	A-22
OF	SHEETS





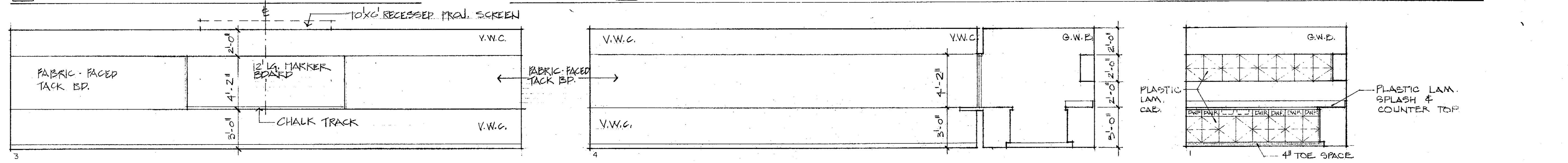
REG. MANAGER 211

REG. MANAGER 212



212

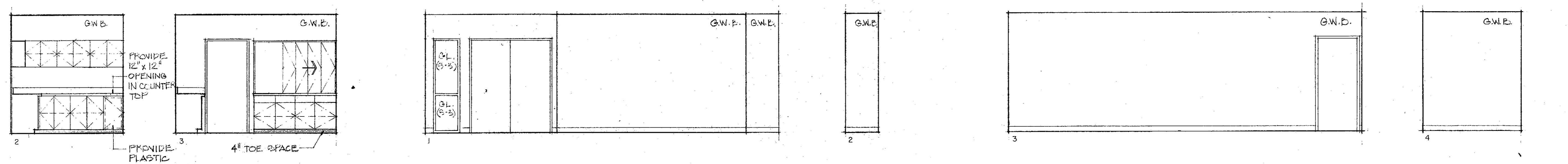
MEETING ROOM 213



213

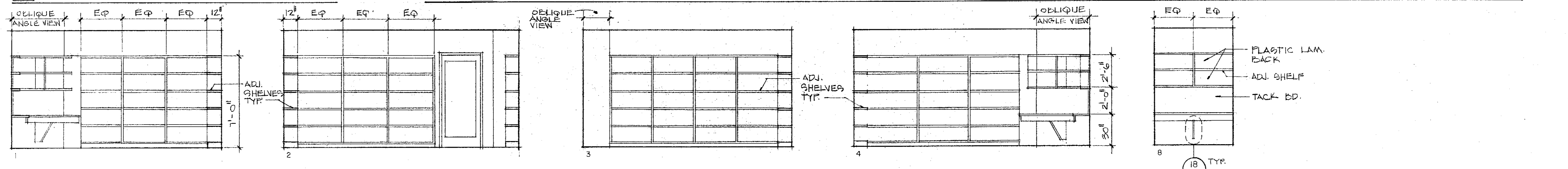
KITCHEN 215

KITCHEN 215

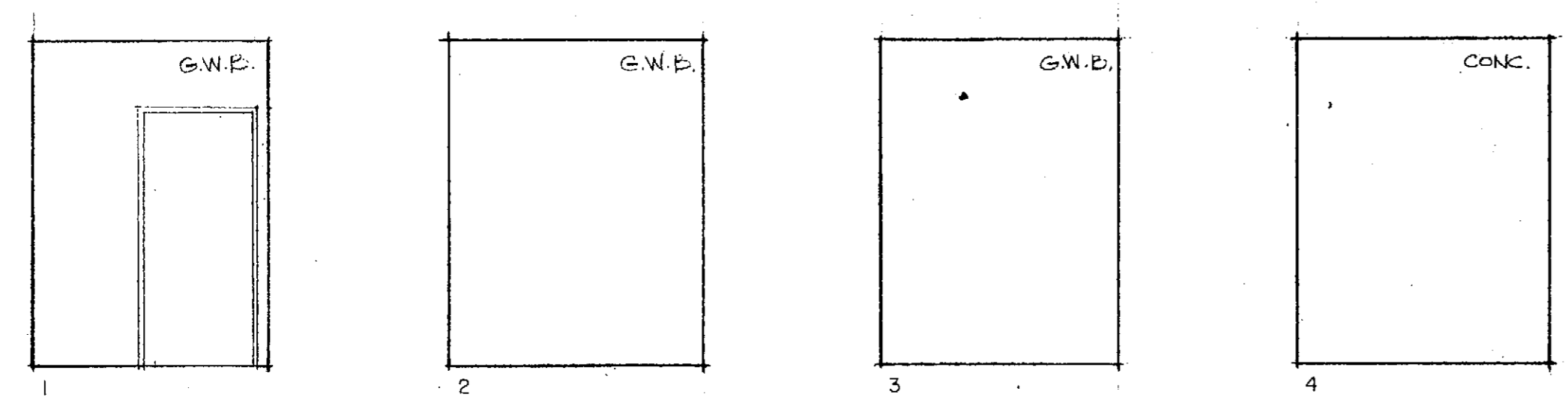


215

VEST. 216



PREVIEW 217



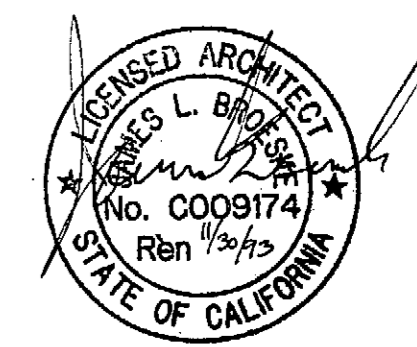
PHONE EQUIP 218

REVISIONS	BY

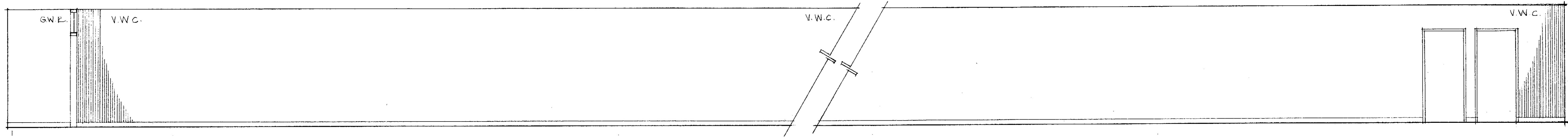
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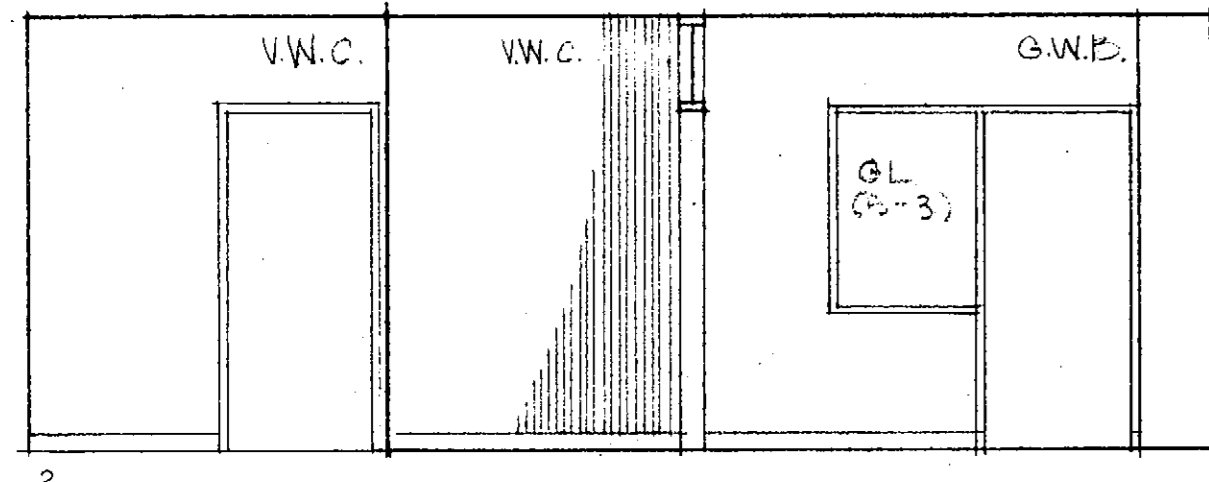
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 Riverside, Ca.



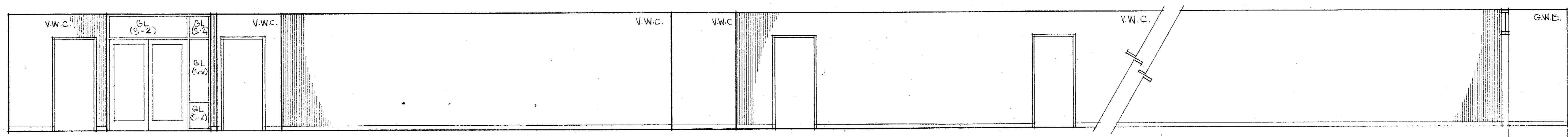
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SHEET	
A-23	
OF	SHEETS



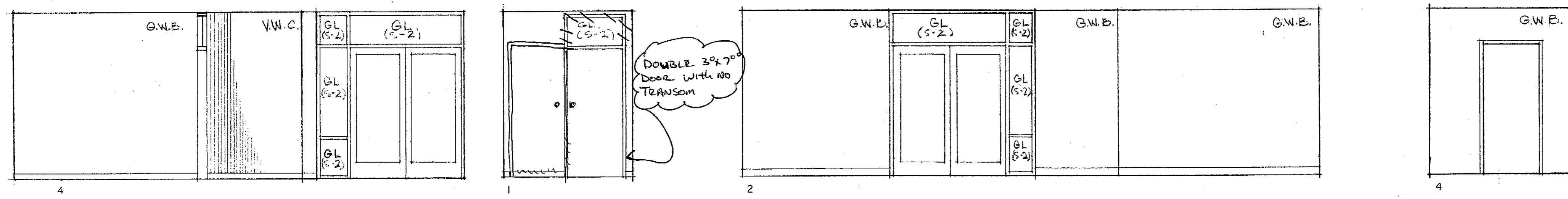
CIRCULATION 219



219



CIRCULATION 219

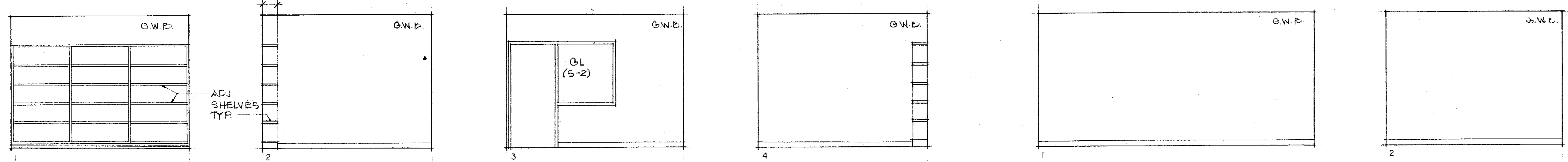


NOTE:  
SEE SPECS. FOR  
GLASS TYPE SCHEDULE

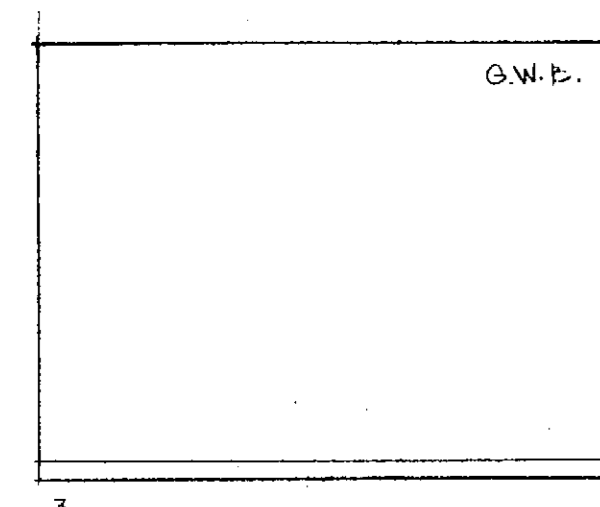
DOUBLE 3"x7"  
door with no  
TRANSOM

219

LANDING 220

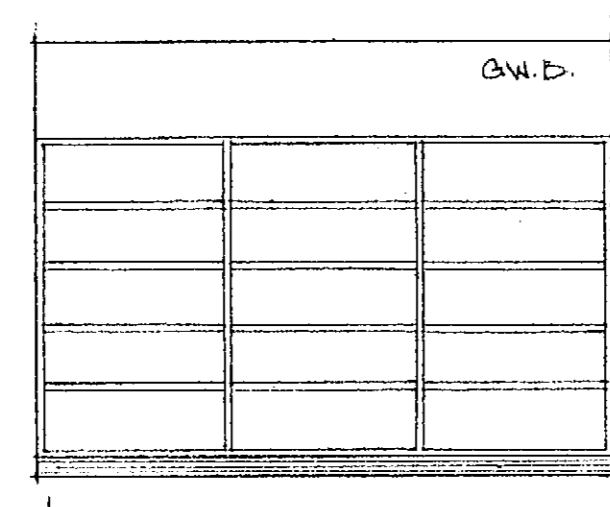


CHILDREN'S SR. LIB. 221

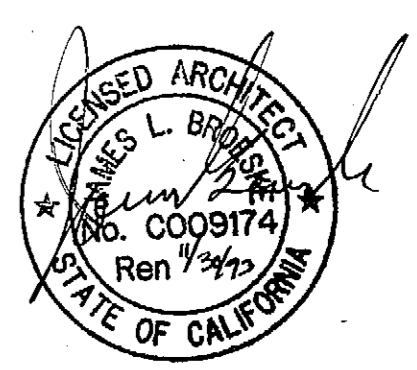
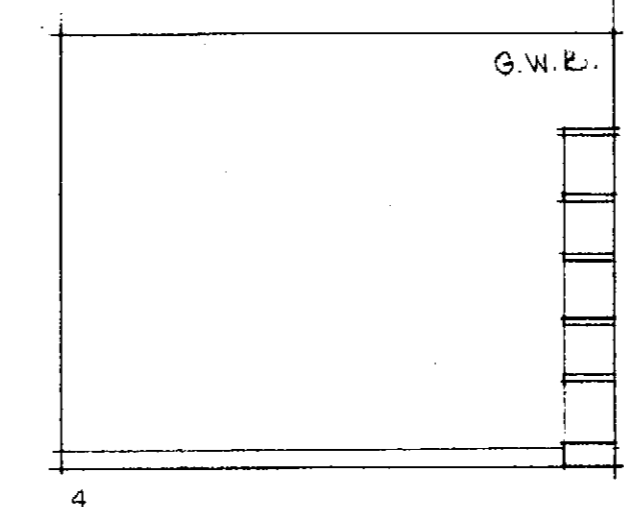


222

COLL. DEV. SR. LIB. 223



ALCOVE 222



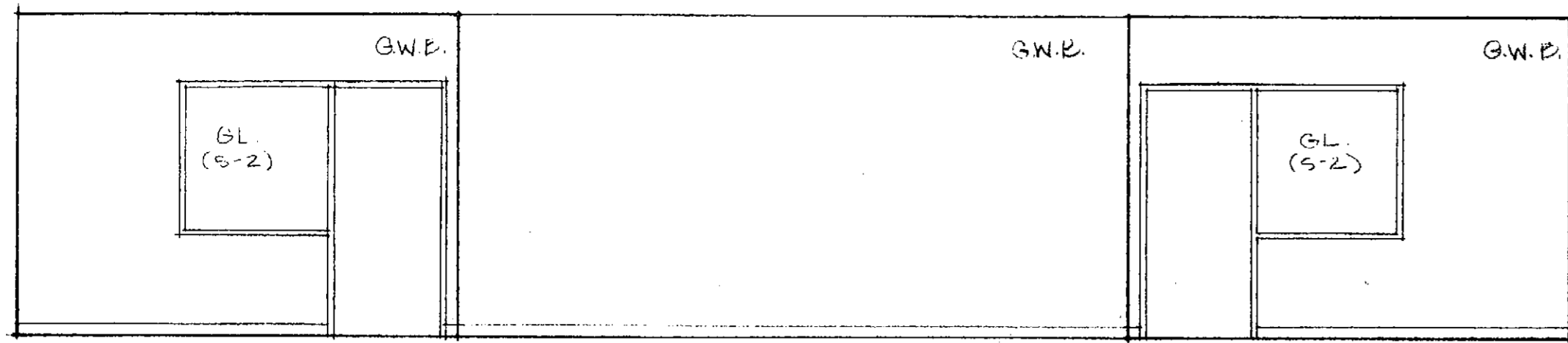
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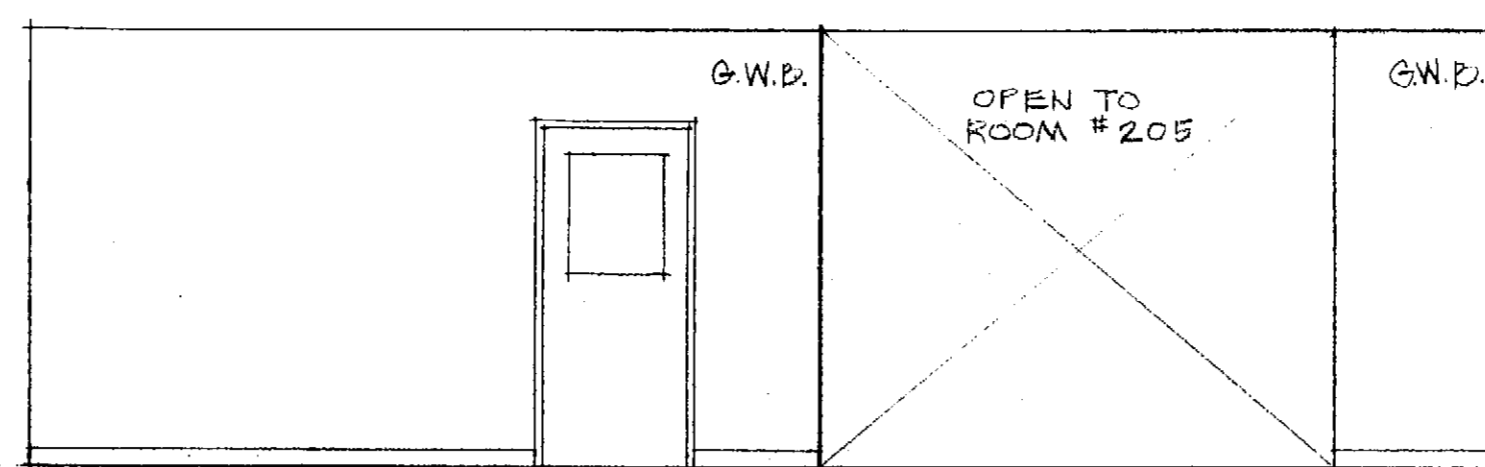
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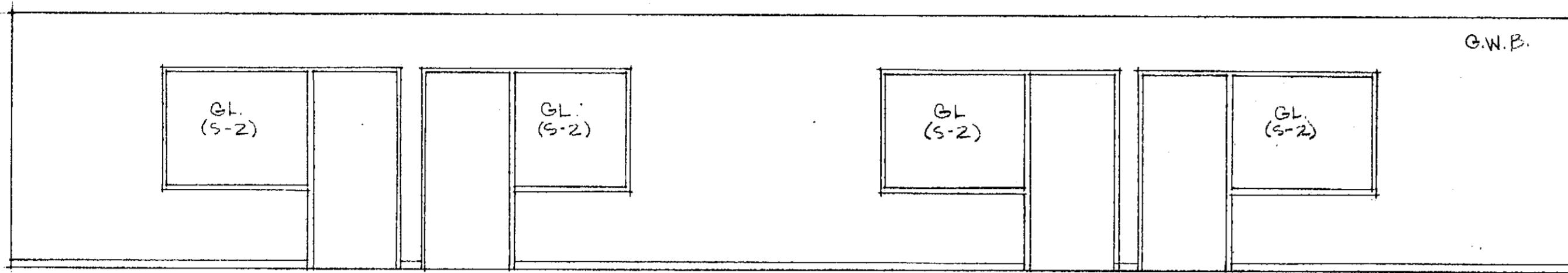
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SHEET	A-24
OF	SHEETS



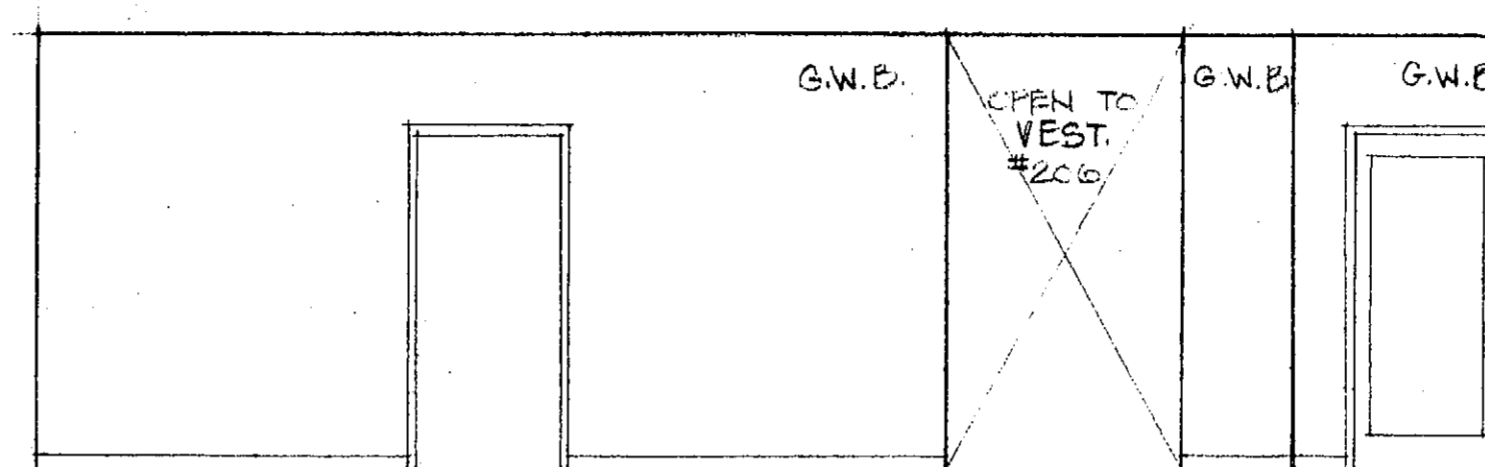
OPEN OFFICE 224 ALCOVE 222



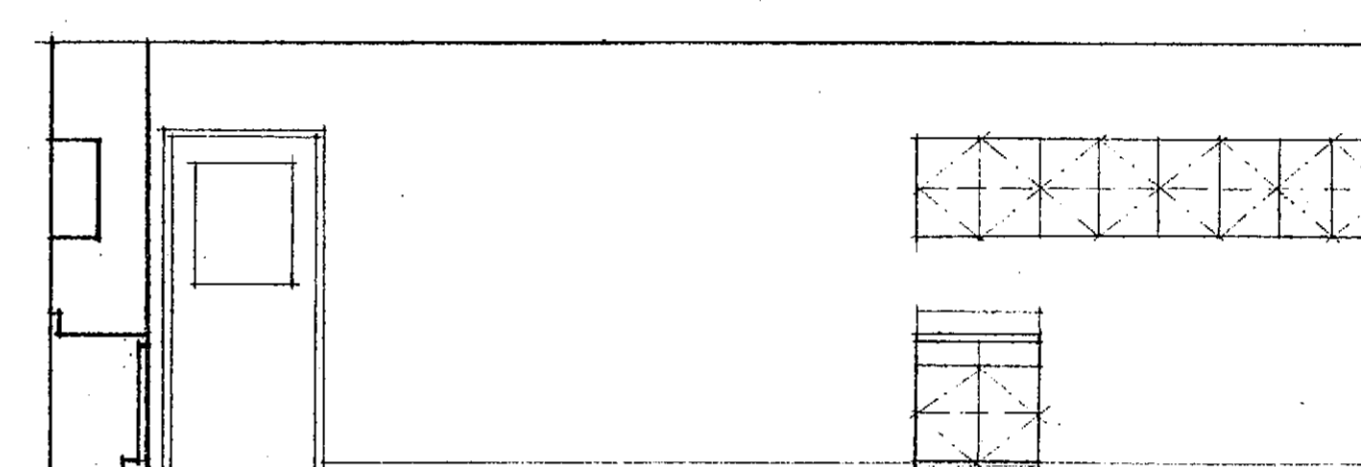
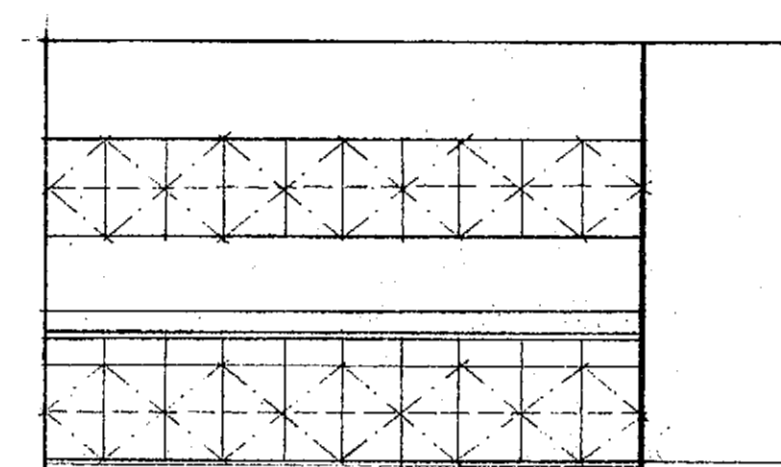
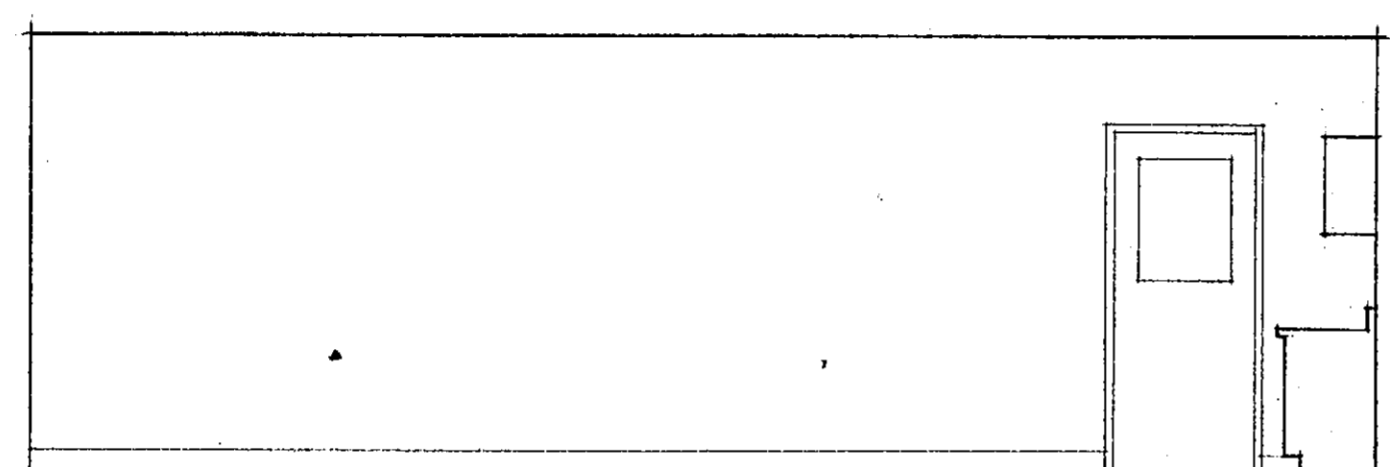
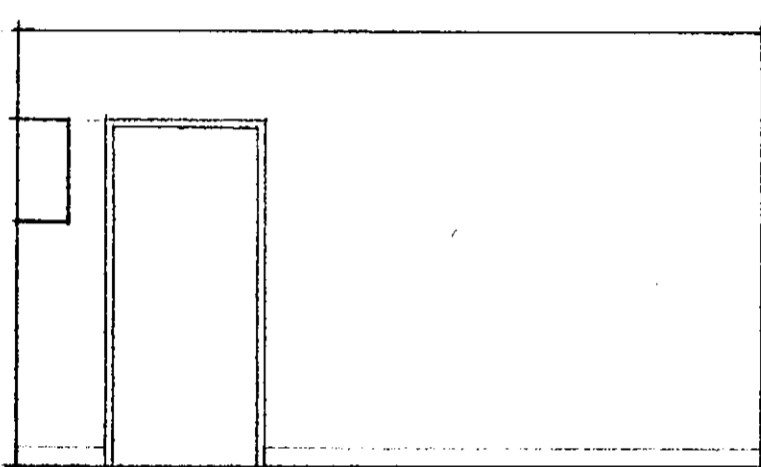
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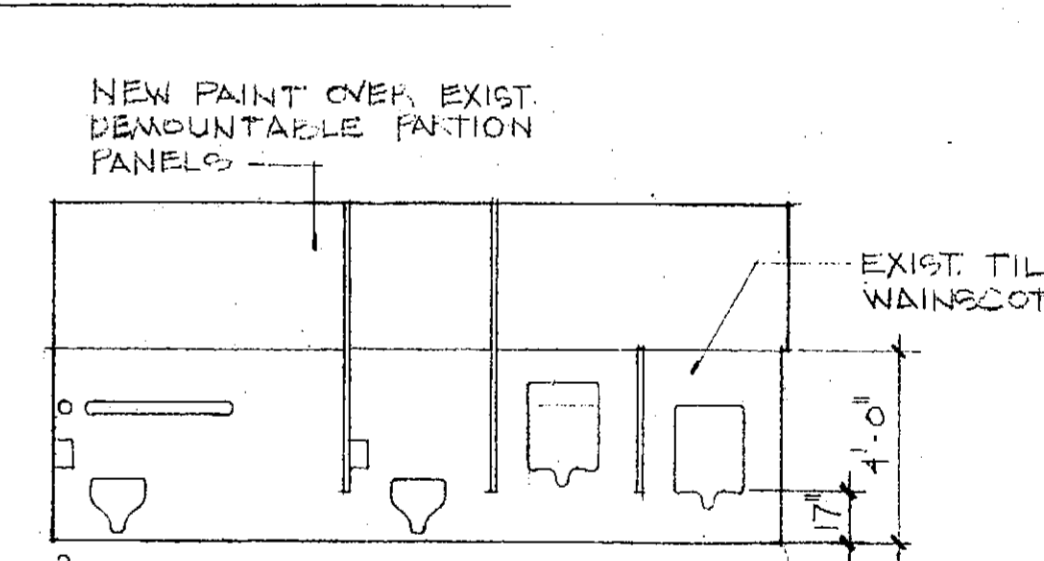
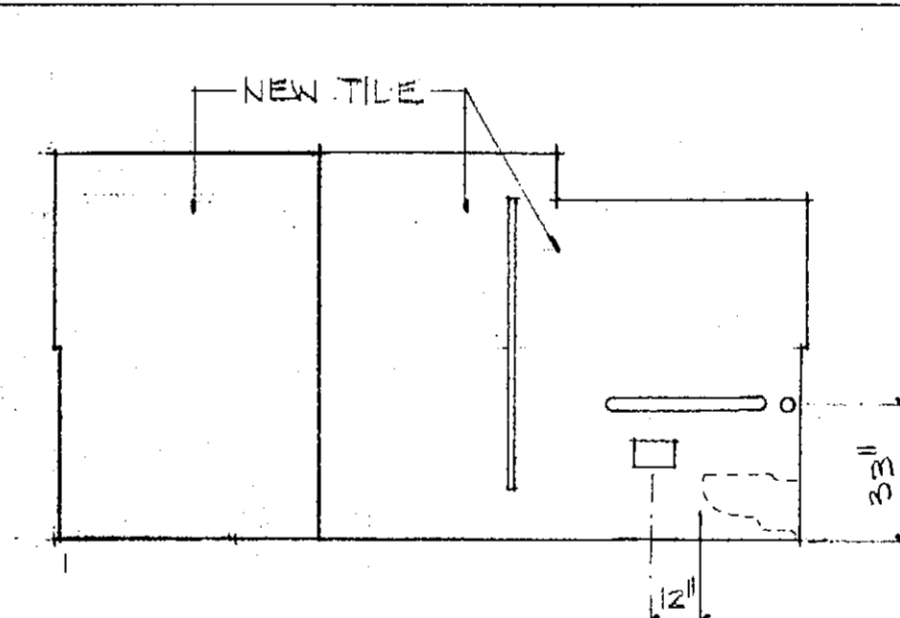
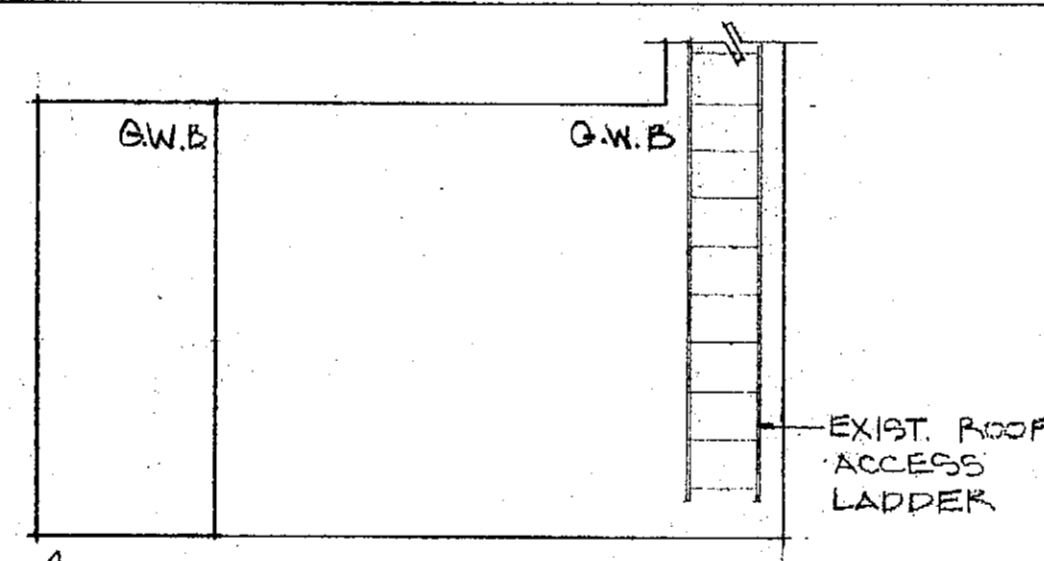
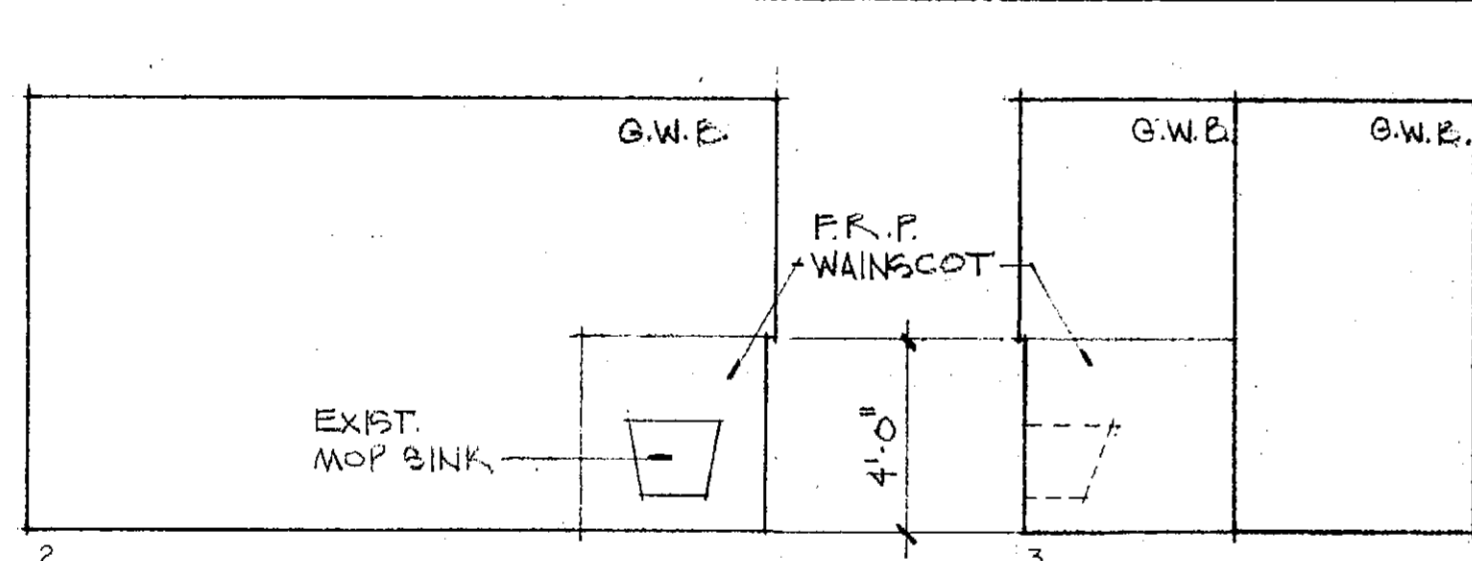
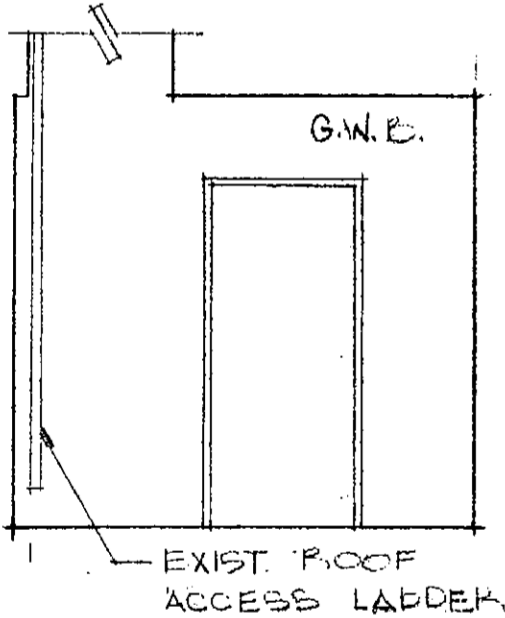
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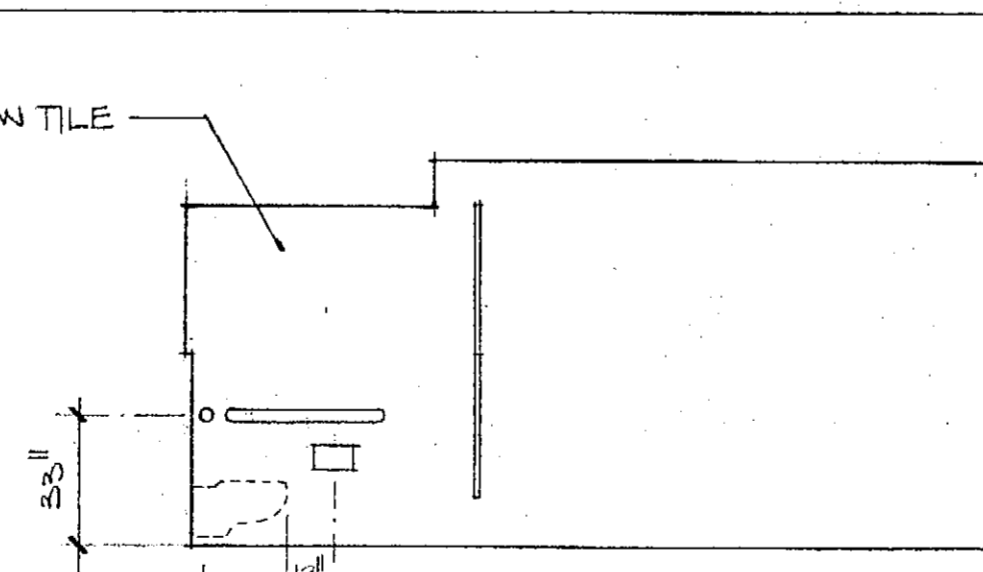
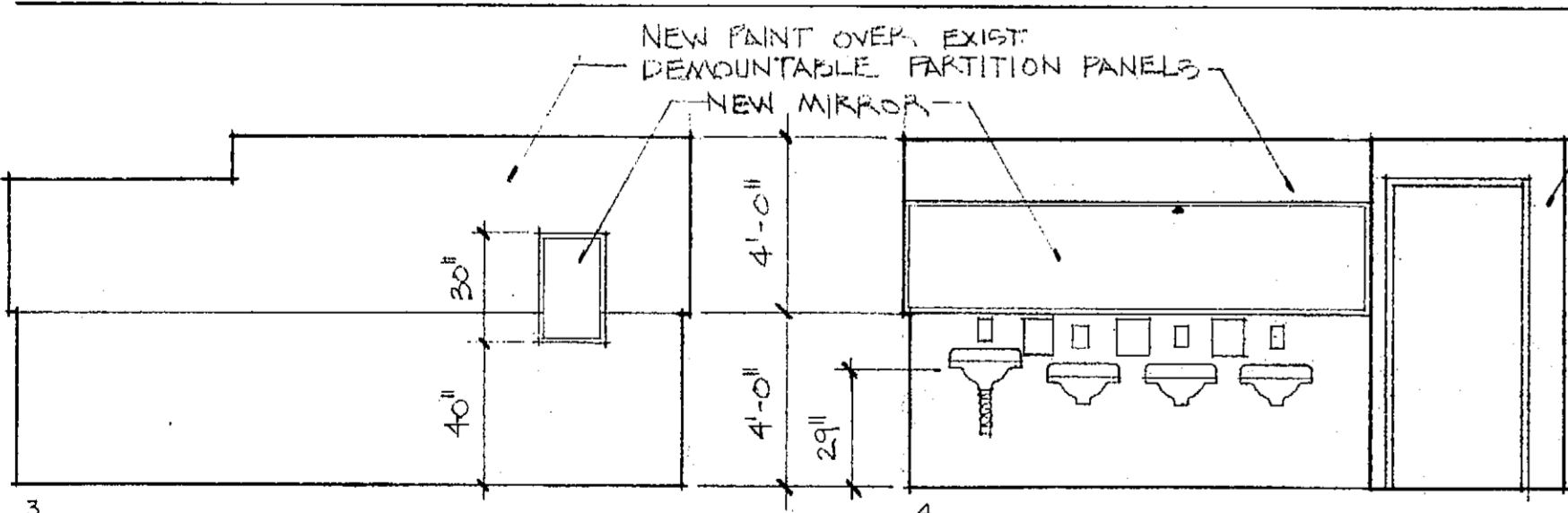
NOTE  
SEE SPECS FOR  
GLASS TYPE SCHEDULE



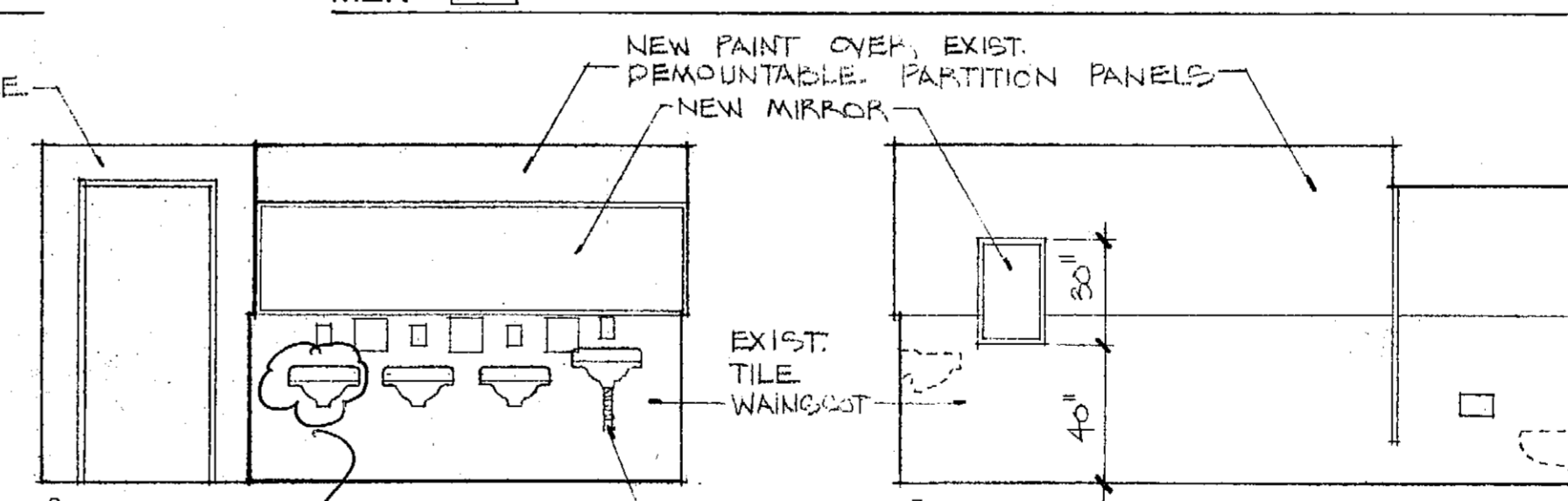
FILE/COPY 225



JAN. 226



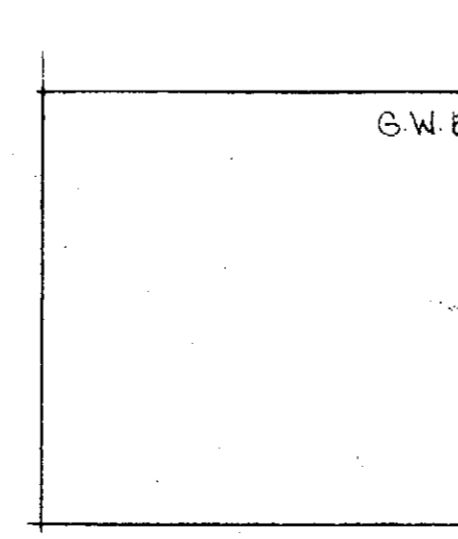
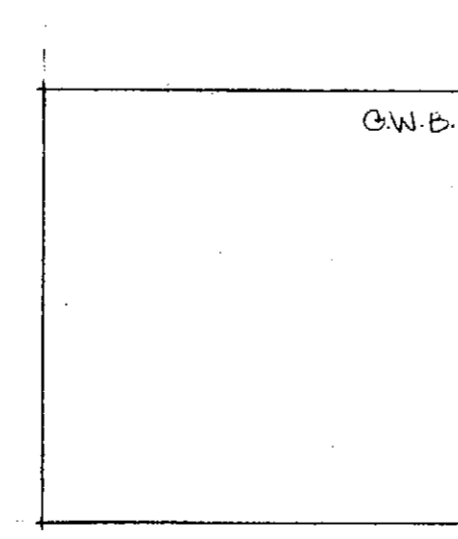
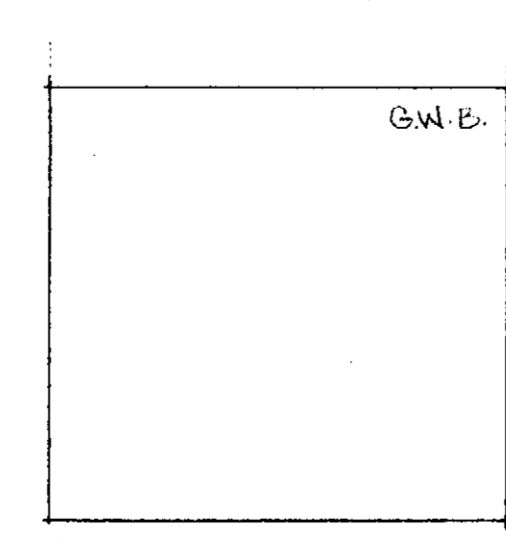
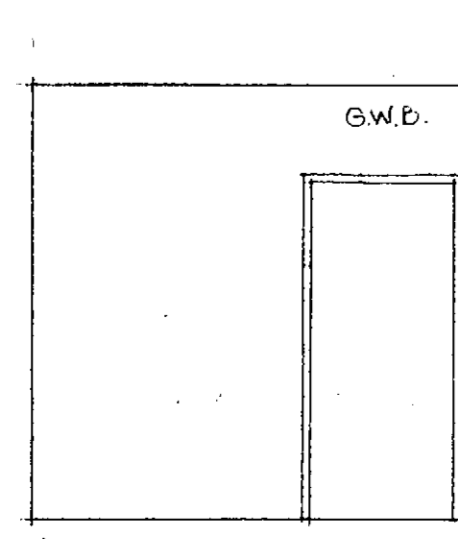
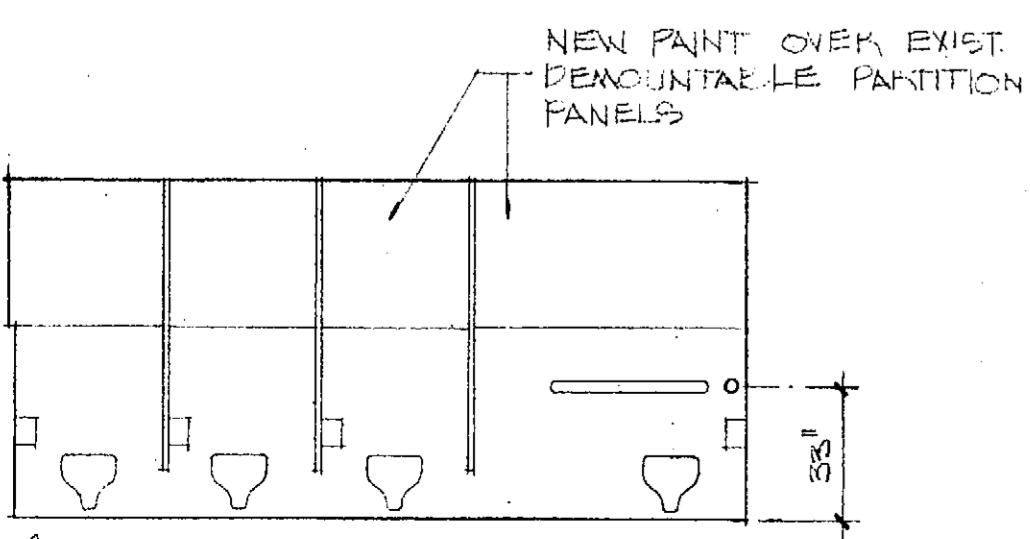
MEN 227



SINK NOT IN SERVICE PERMANENTLY  
INSULATE WAIST AND NOT WATER LINES HC ONLY

227

WOMEN 228



228

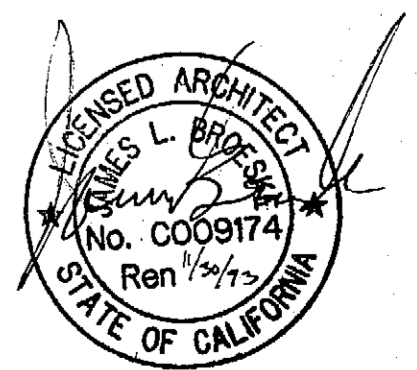
PHONE EQUIP 229

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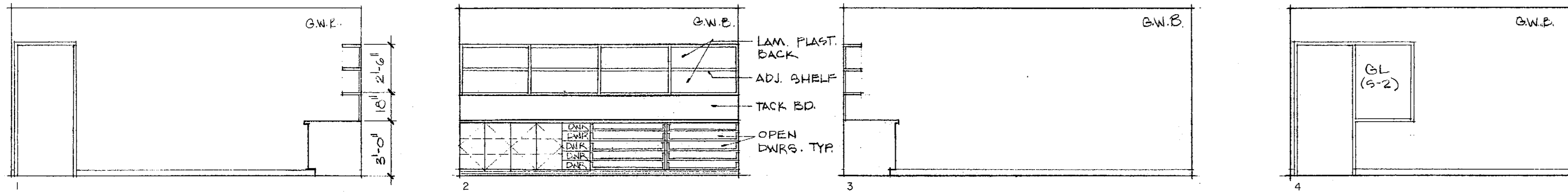
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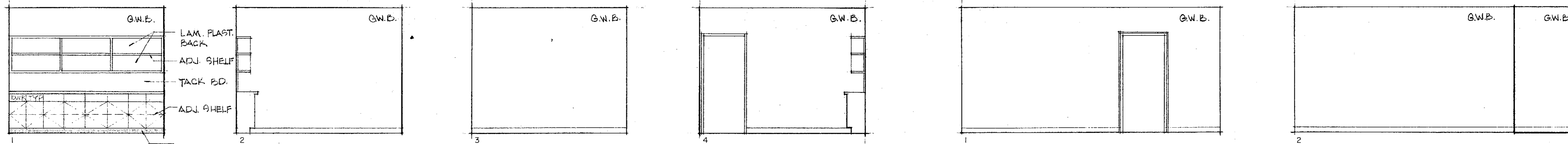


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JOB NO.	110032
SHEET	

A-25  
OF SHEETS

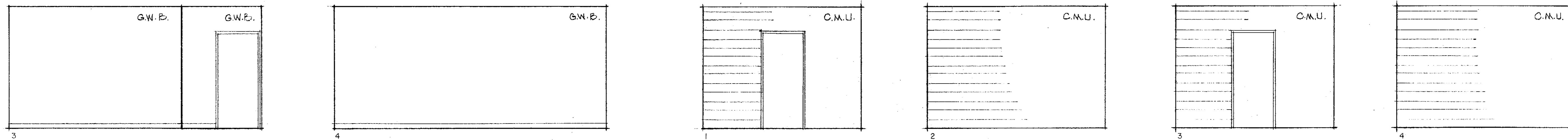


BLDG. SERV. MGR. [231]



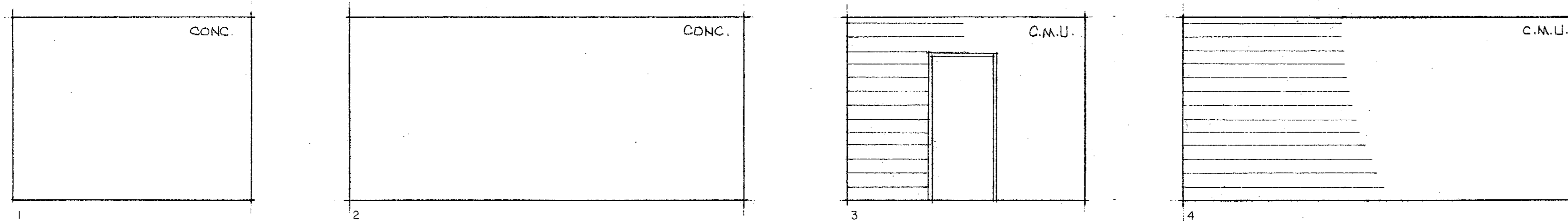
COMM. REL. [232]

PUBLIC INFO. SERV. [233]



[233]

EXIST. VAULT [234]



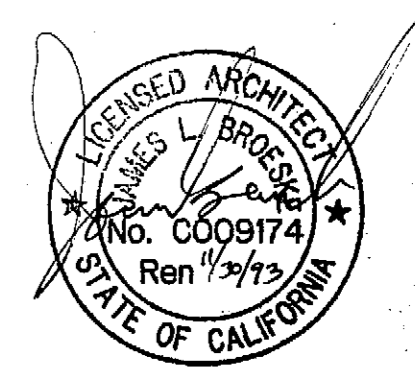
EXIST. VAULT [235]

REVISIONS	BY

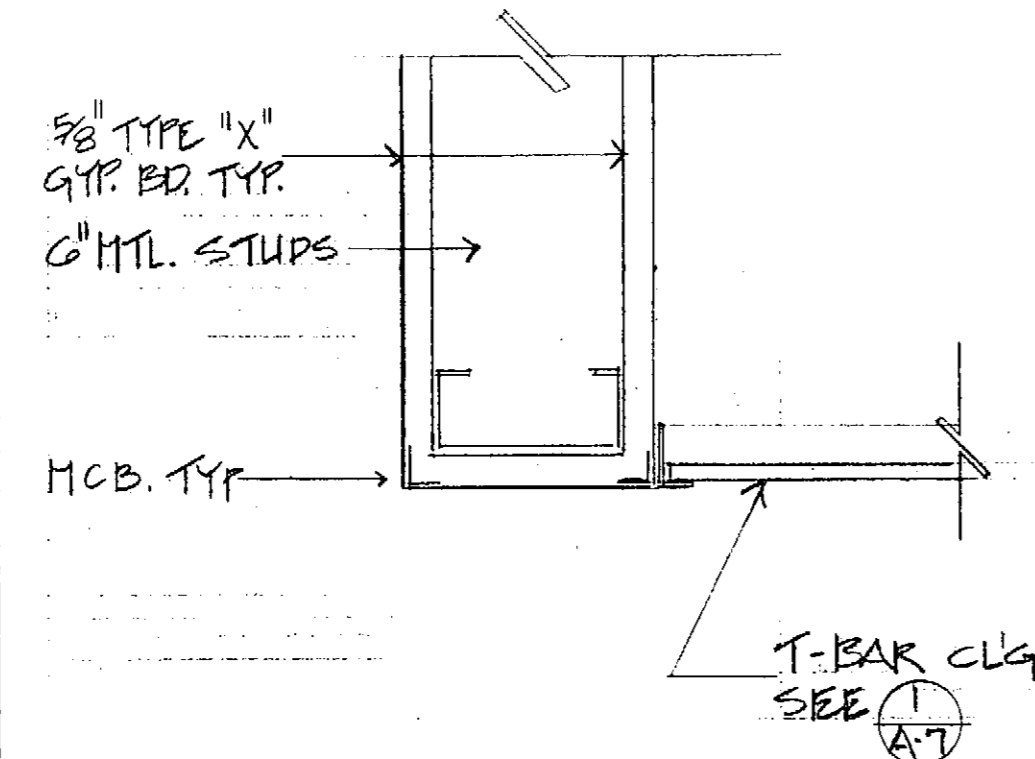
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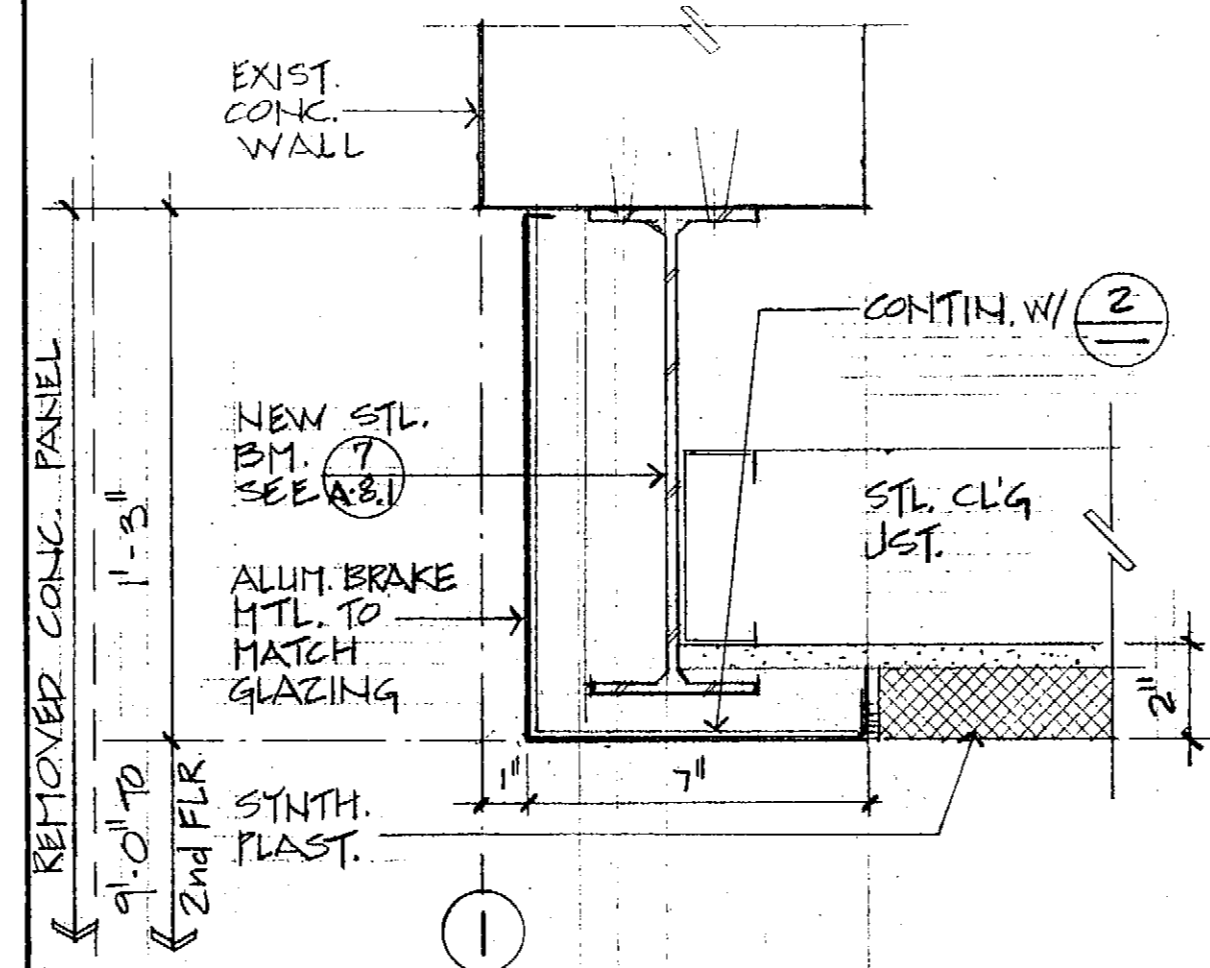
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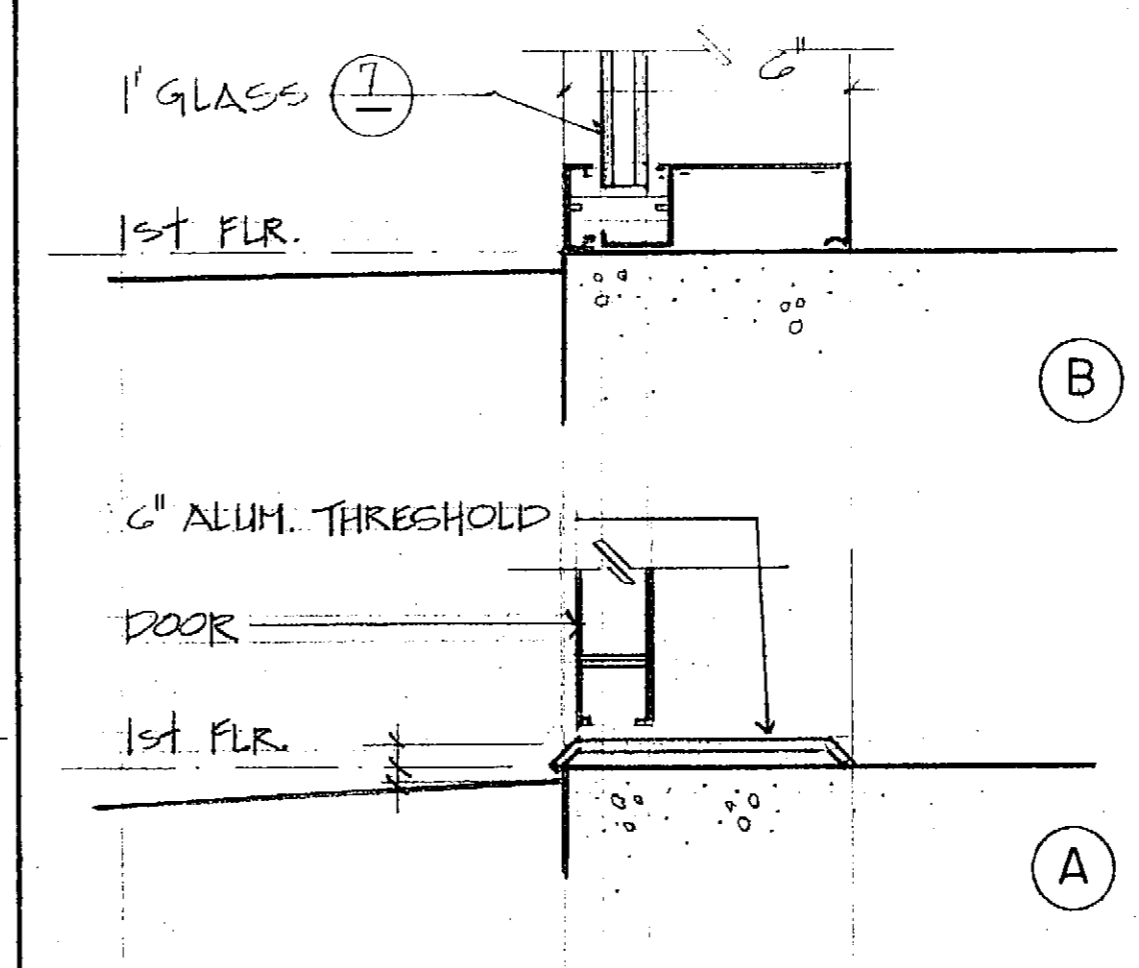
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SHEET	A-26	
OF		SHEETS



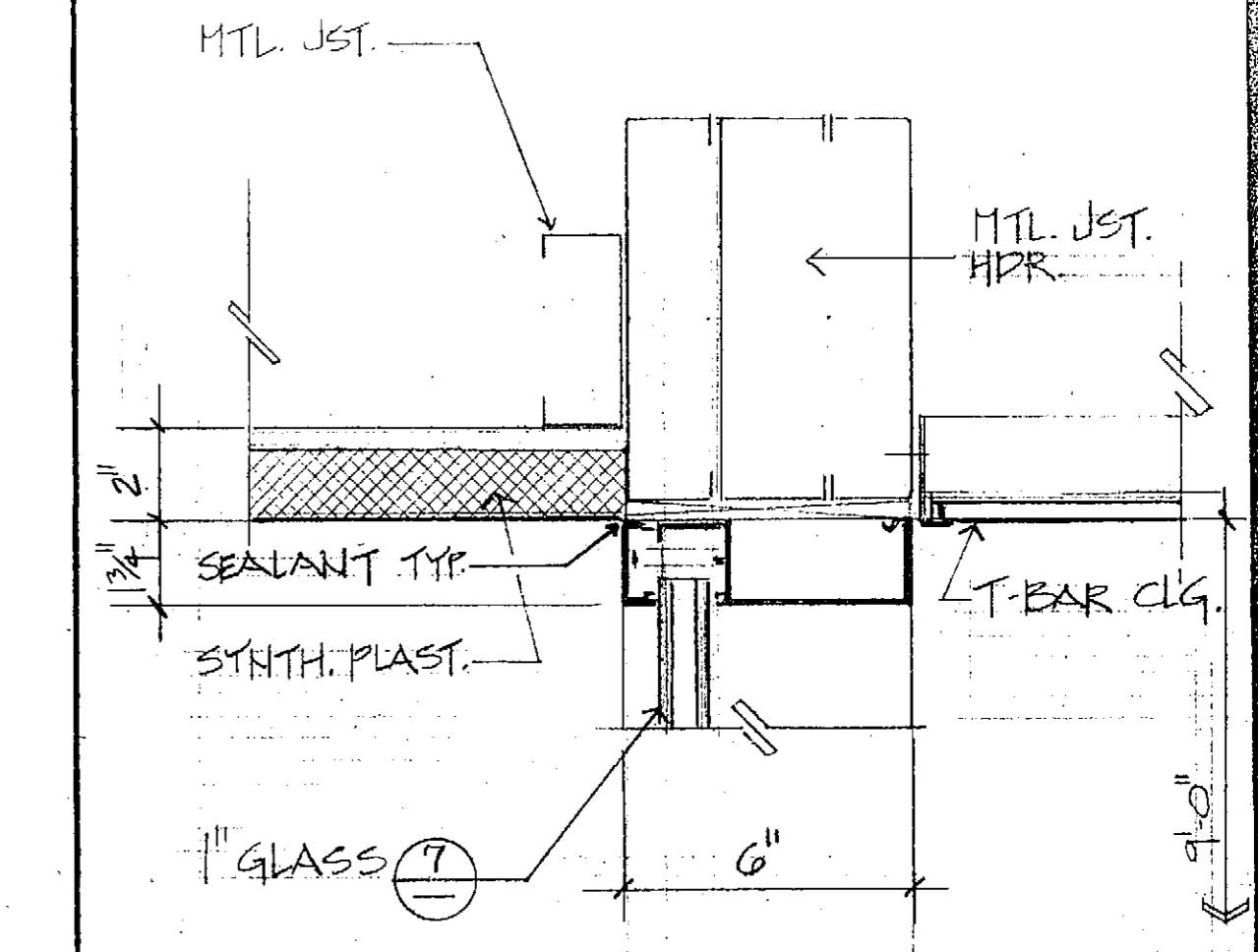
SCALE 17 SOFFIT AT T-BAR TYPICAL SCALE N.T.S. 13



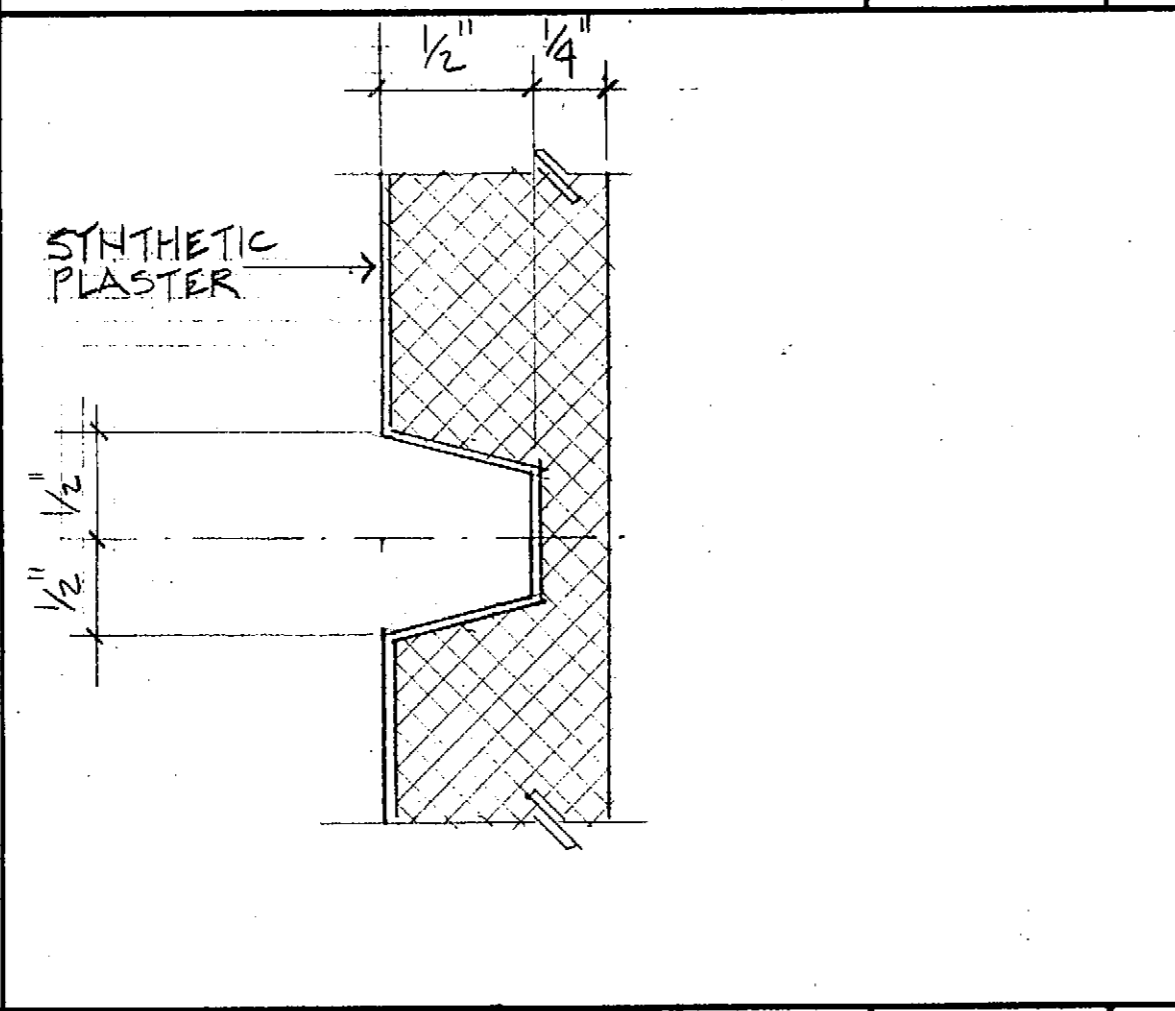
SCALE 3"=1'-0" 9 HEAD



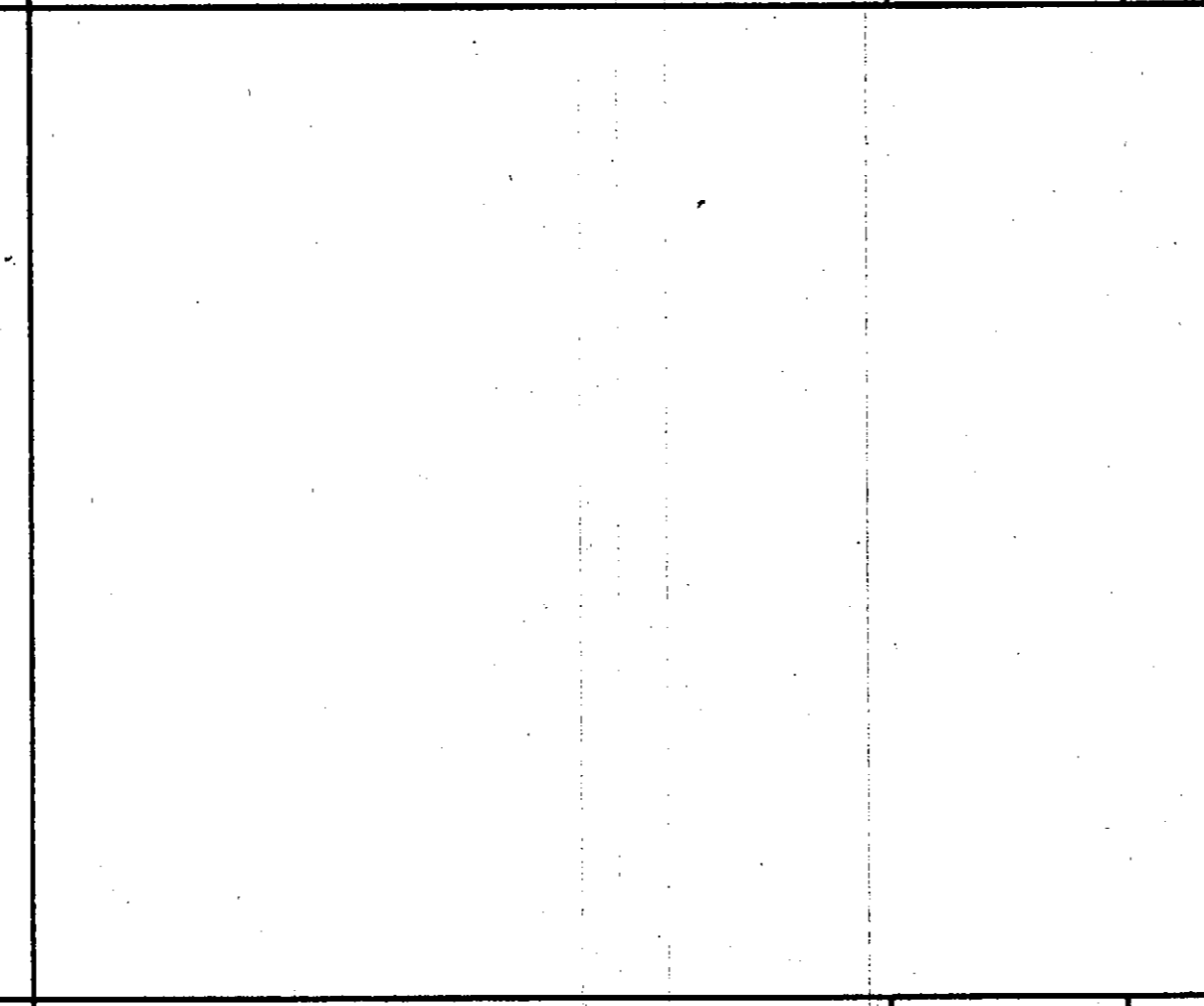
SCALE 3"=1'-0" 5 SILL / THRESHOLD



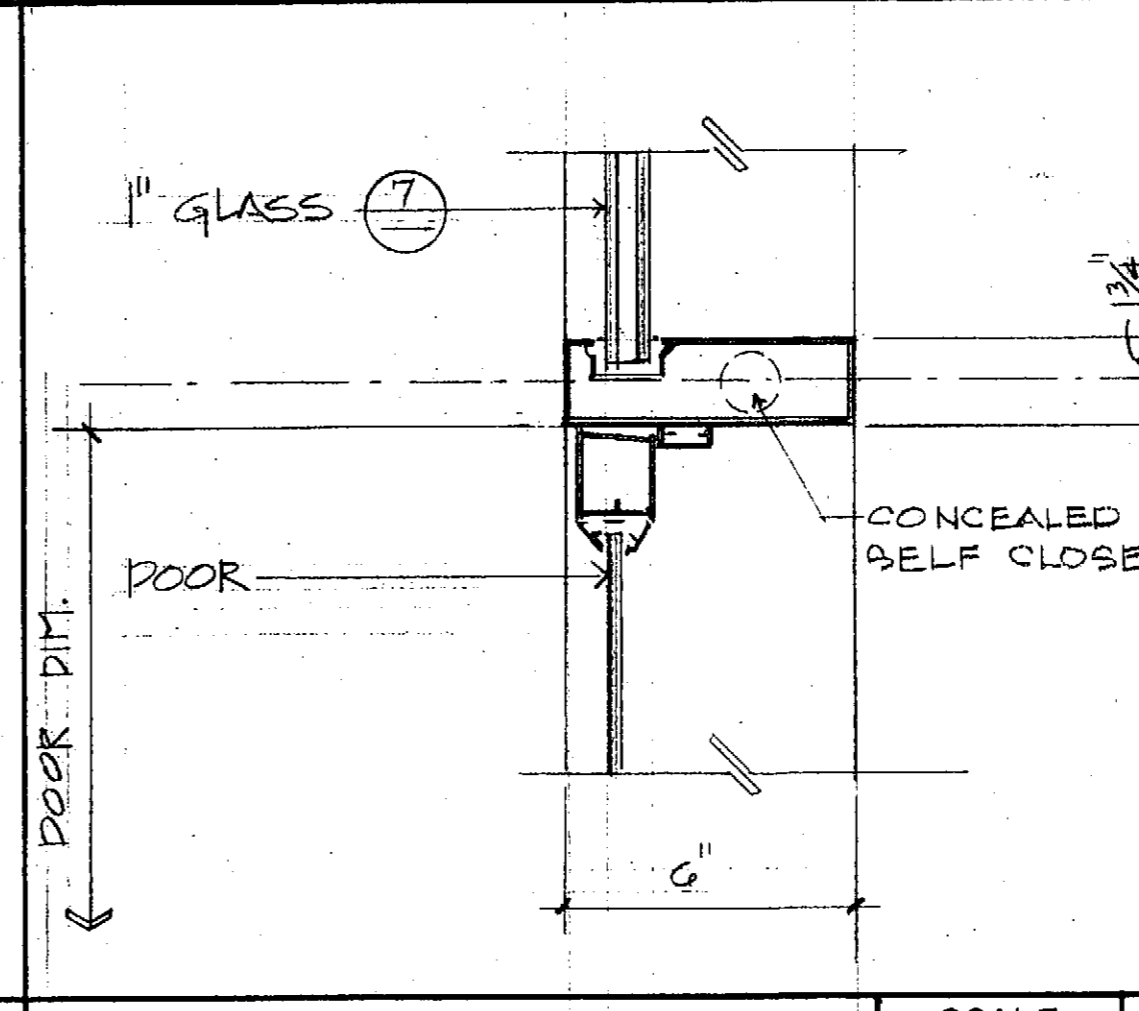
SCALE 3"=1'-0" 1 HEAD / JAMB SIM.



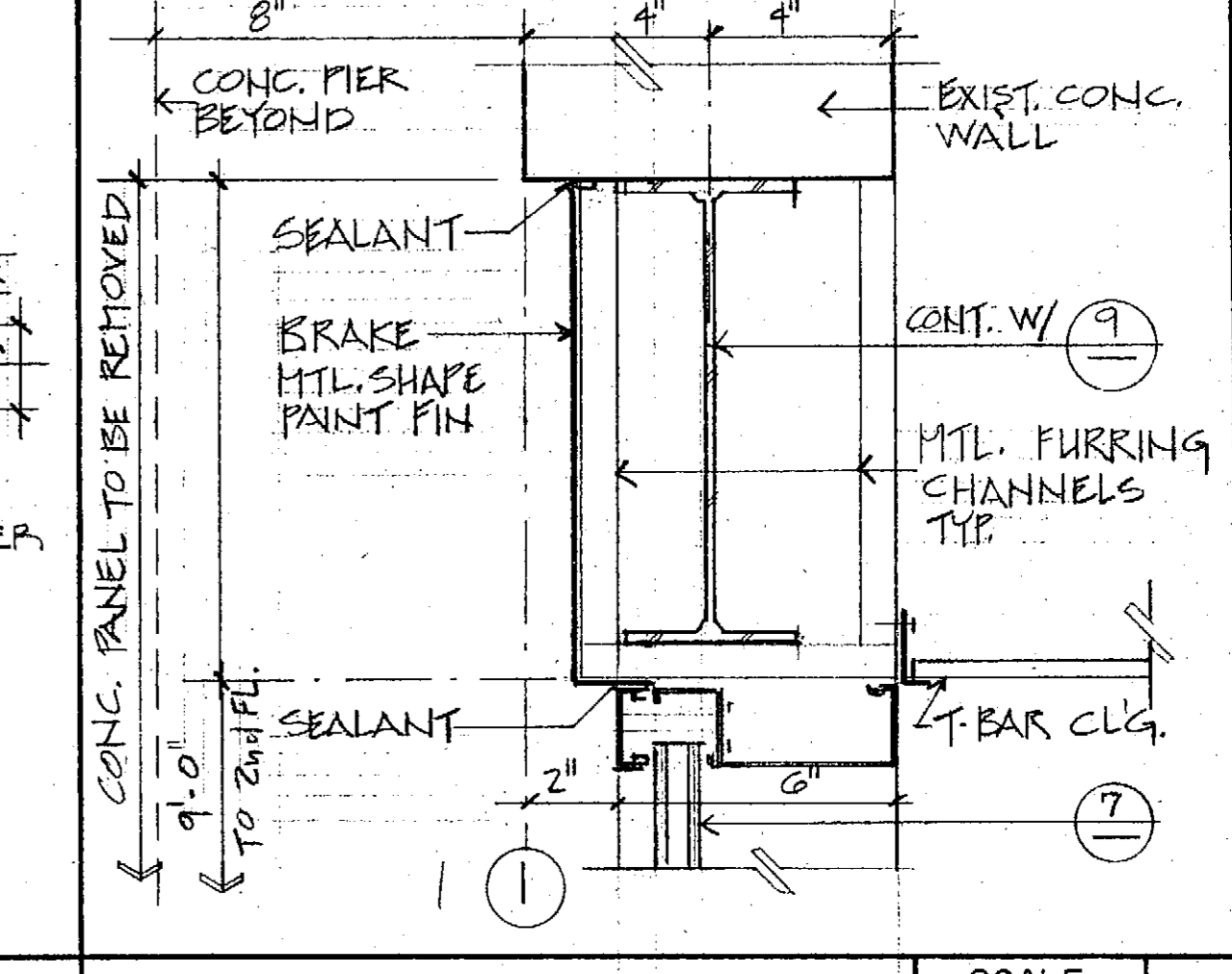
SCALE 18 REVEAL SCALE N.T.S. 14



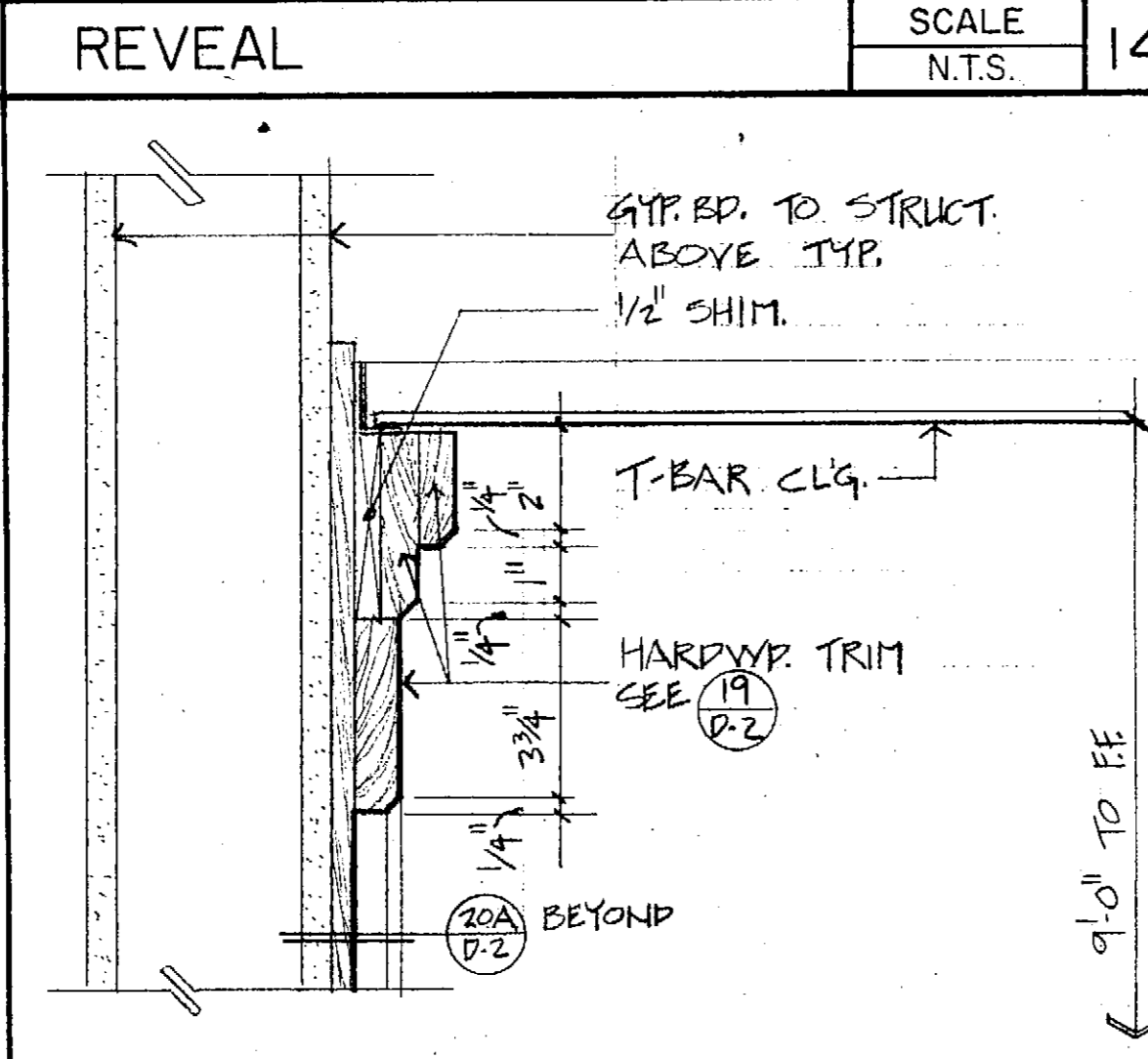
SCALE 3"=1'-0" 10 HEAD / JAMB SIM.



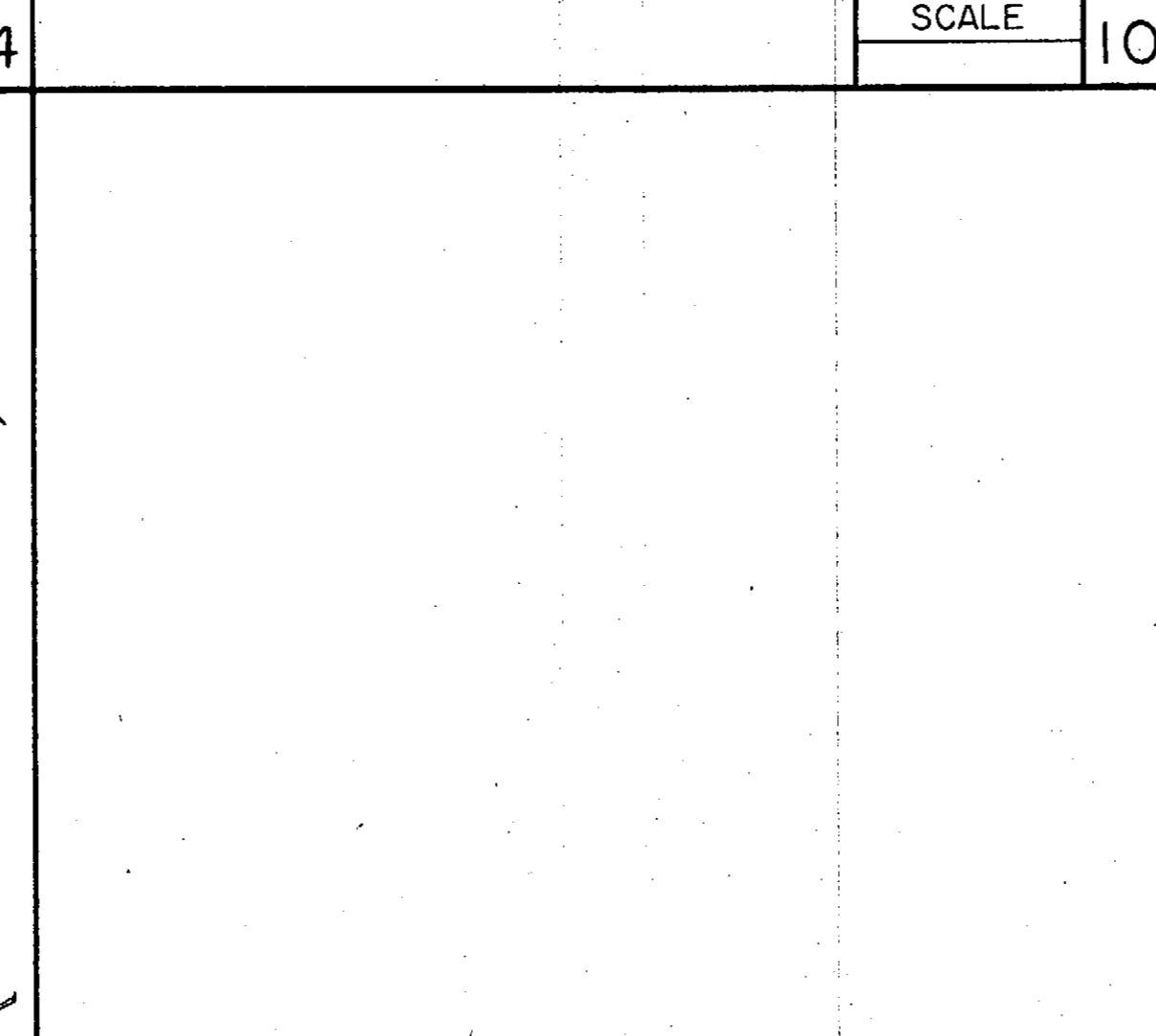
SCALE 3"=1'-0" 6 HEAD AT NEW ENTRY



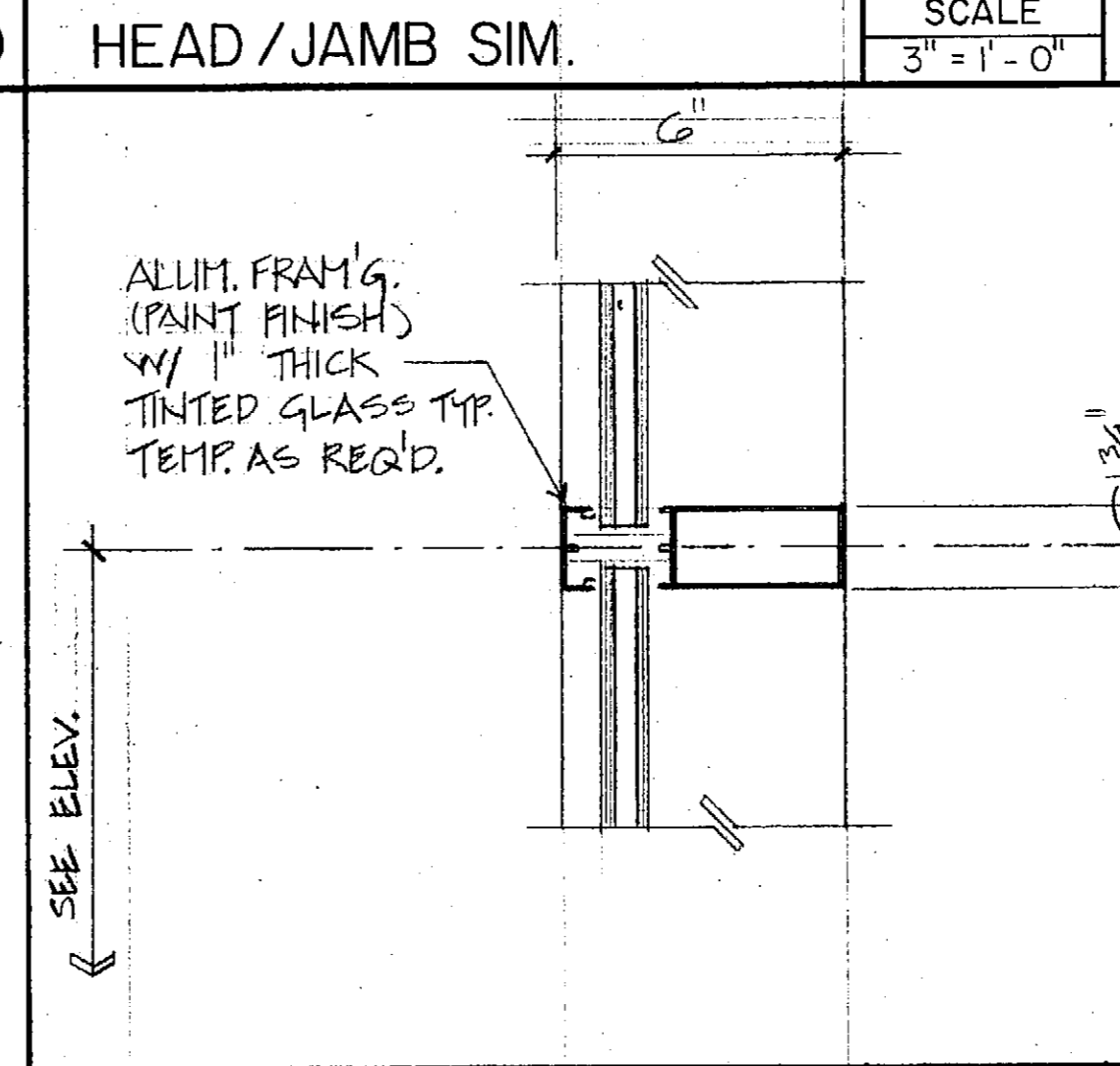
SCALE 3"=1'-0" 2 HEAD AT NEW ENTRY



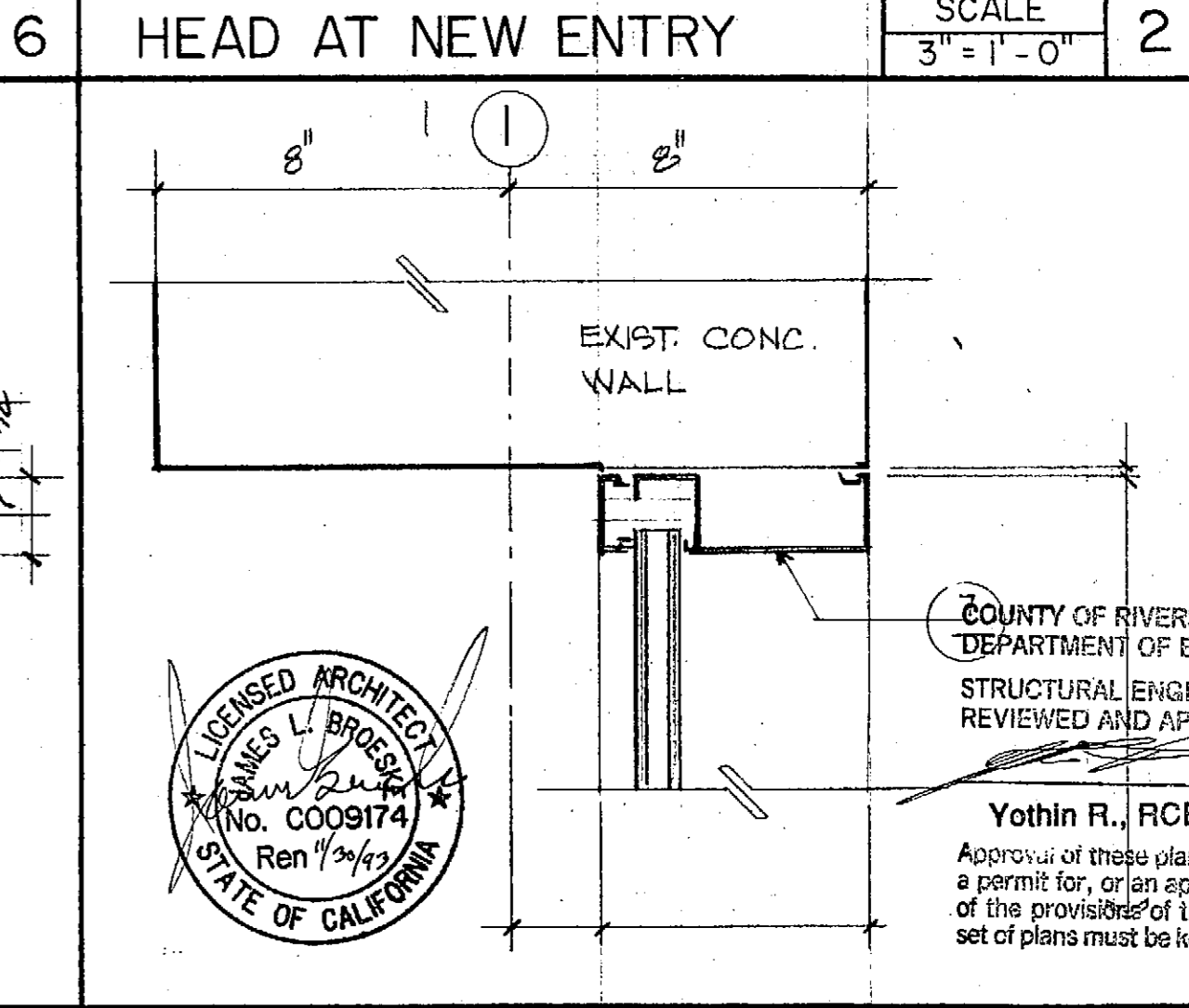
SCALE 19 CORNICE TRIM SCALE 3"=1'-0" 15



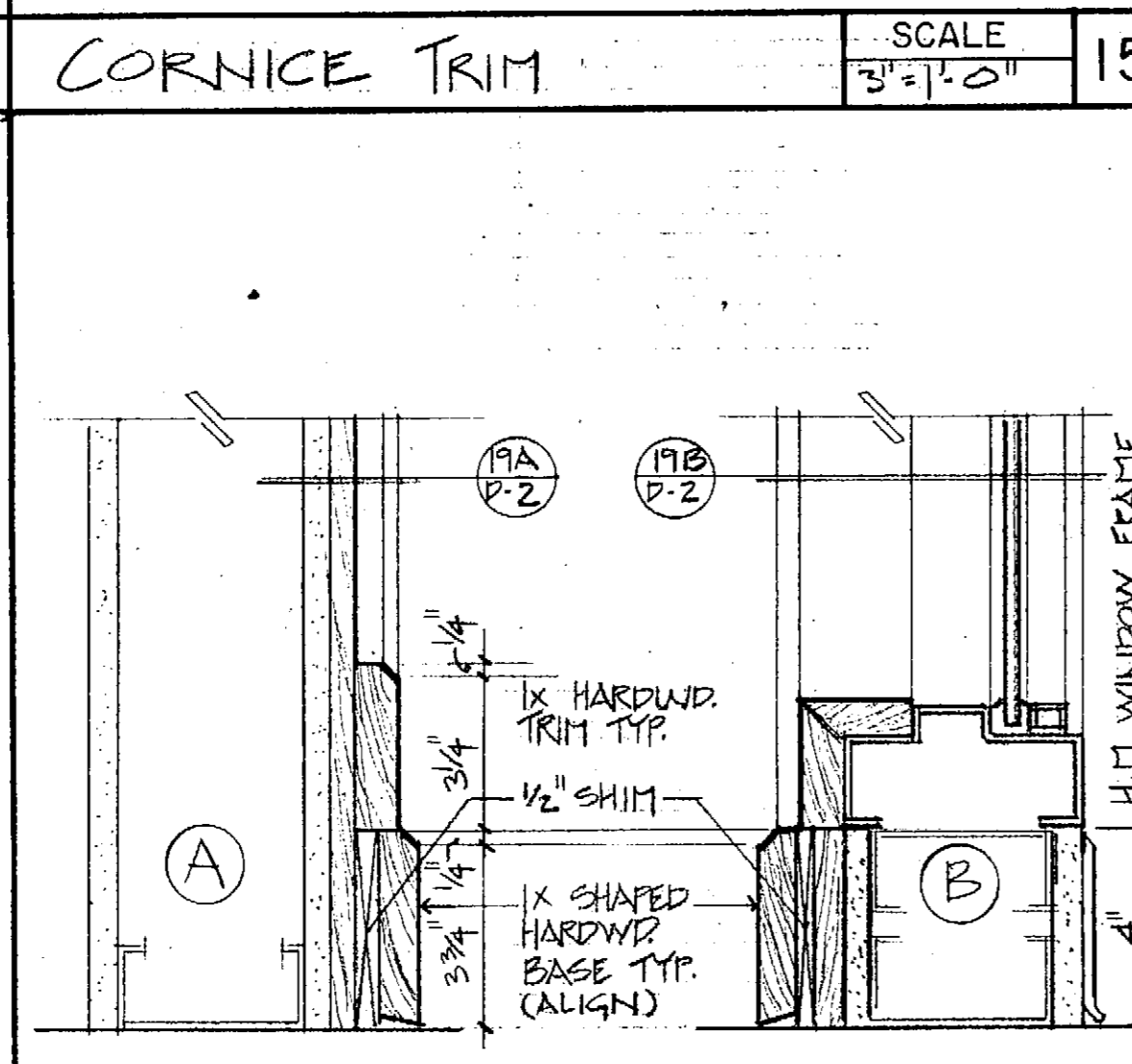
SCALE 3"=1'-0" 11 JAMB OR MULLION TYP.



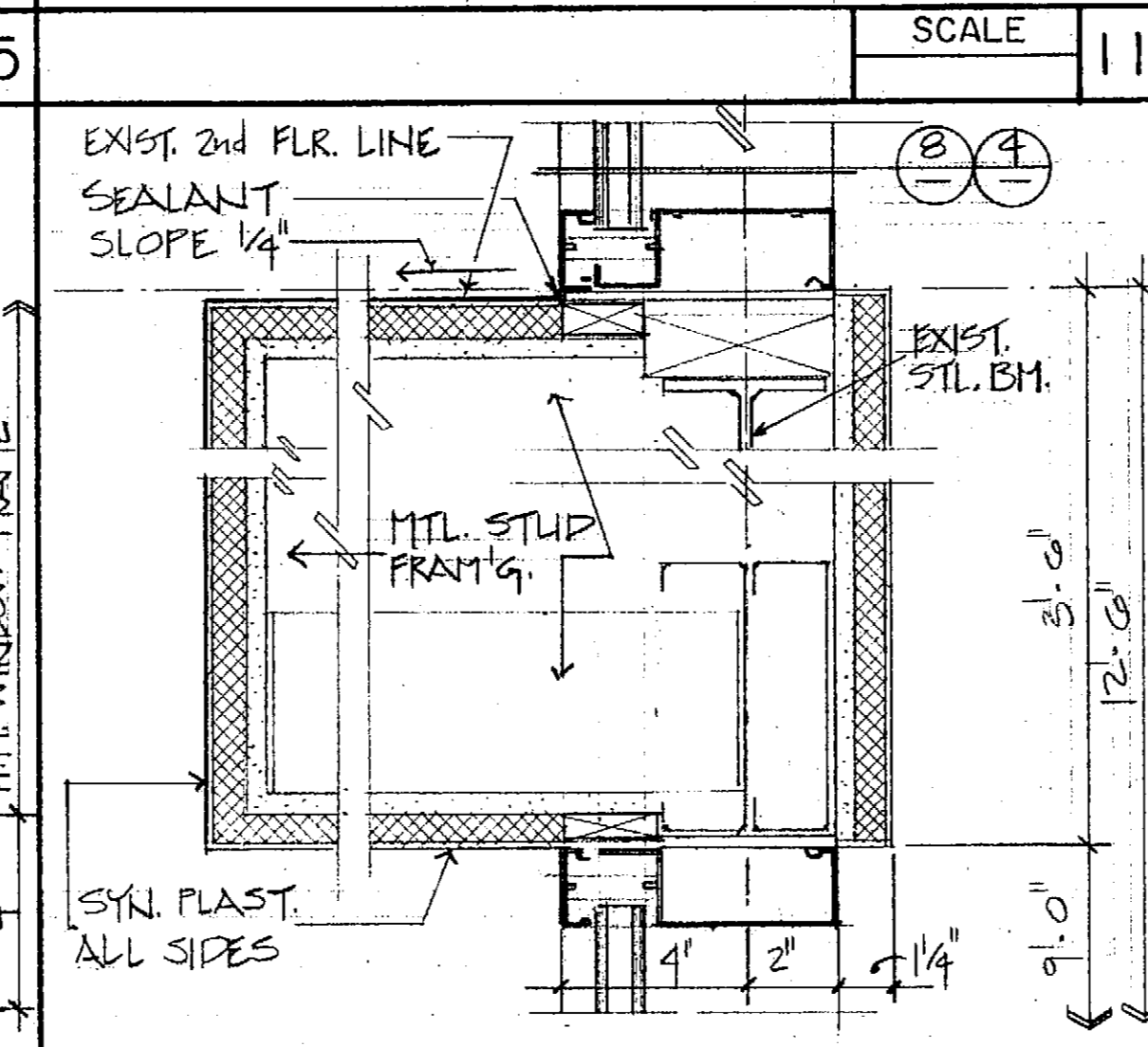
SCALE 3"=1'-0" 7 JAMB AT NEW ENTRY



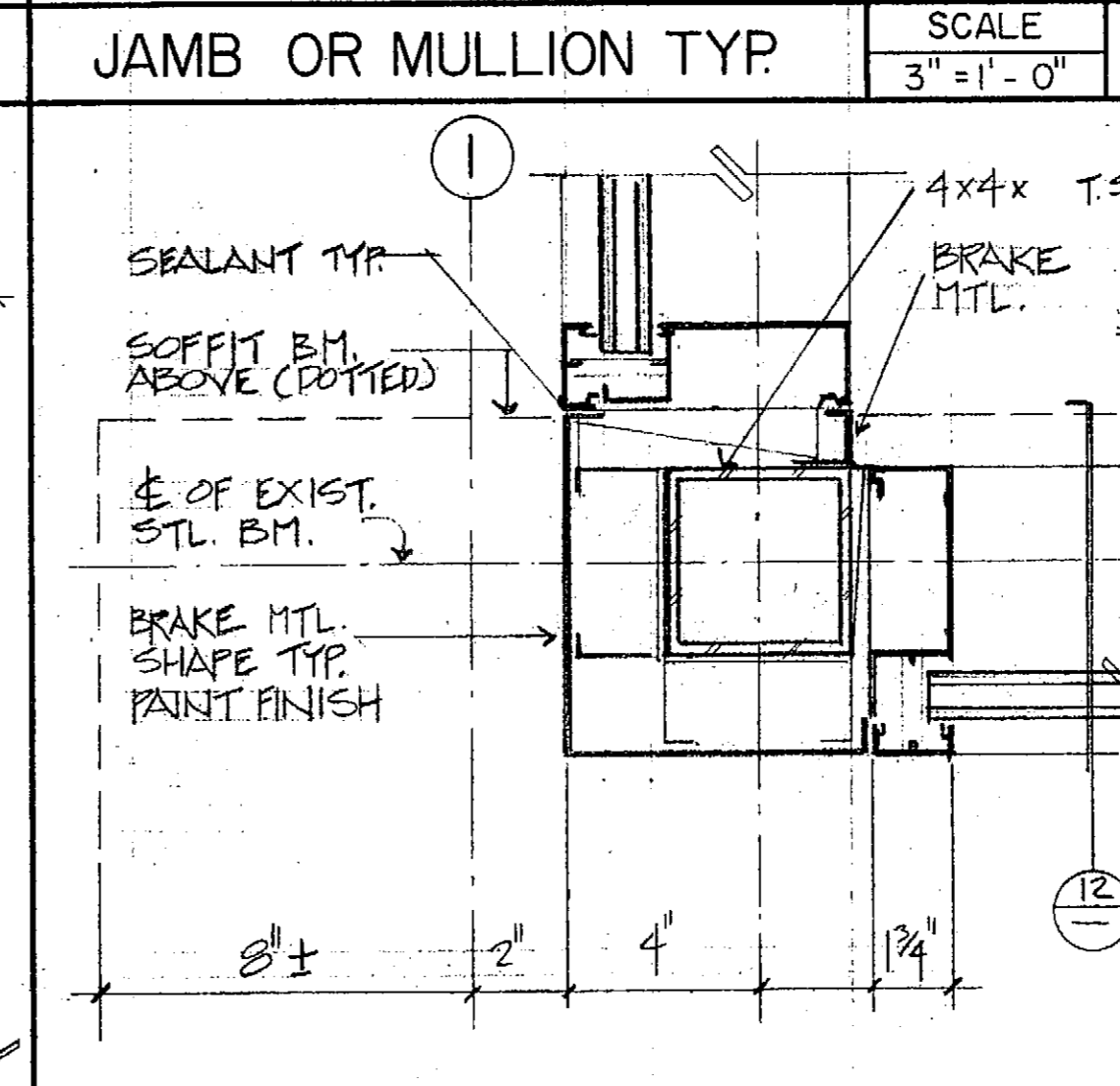
SCALE 3"=1'-0" 3 JAMB AT NEW ENTRY



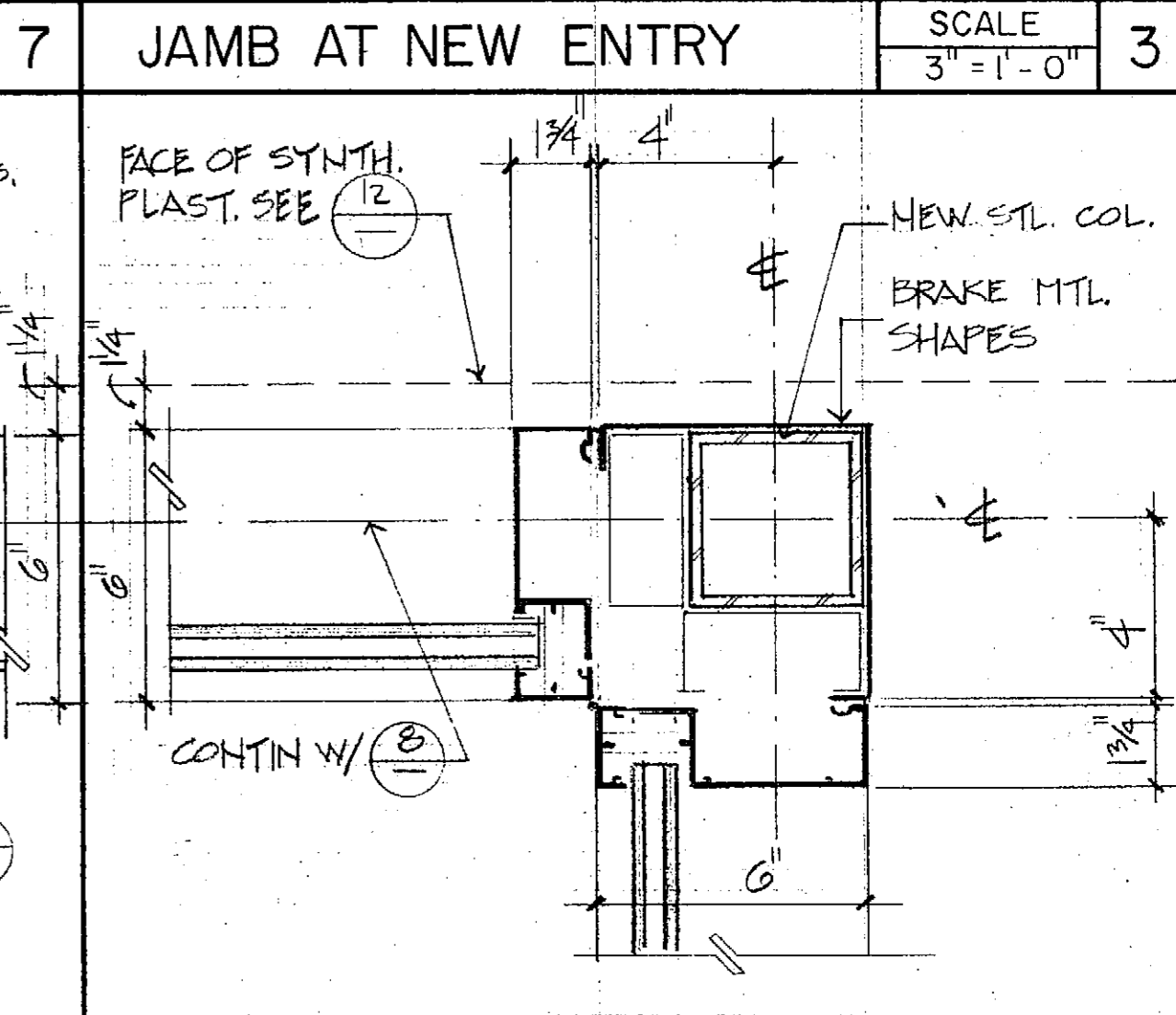
SCALE 20 BASE / SILL (TYP.) SCALE 3"=1'-0" 16



SCALE 3"=1'-0" 12 HEAD / SILL



SCALE 3"=1'-0" 8 JAMB



SCALE 3"=1'-0" 4 JAMB

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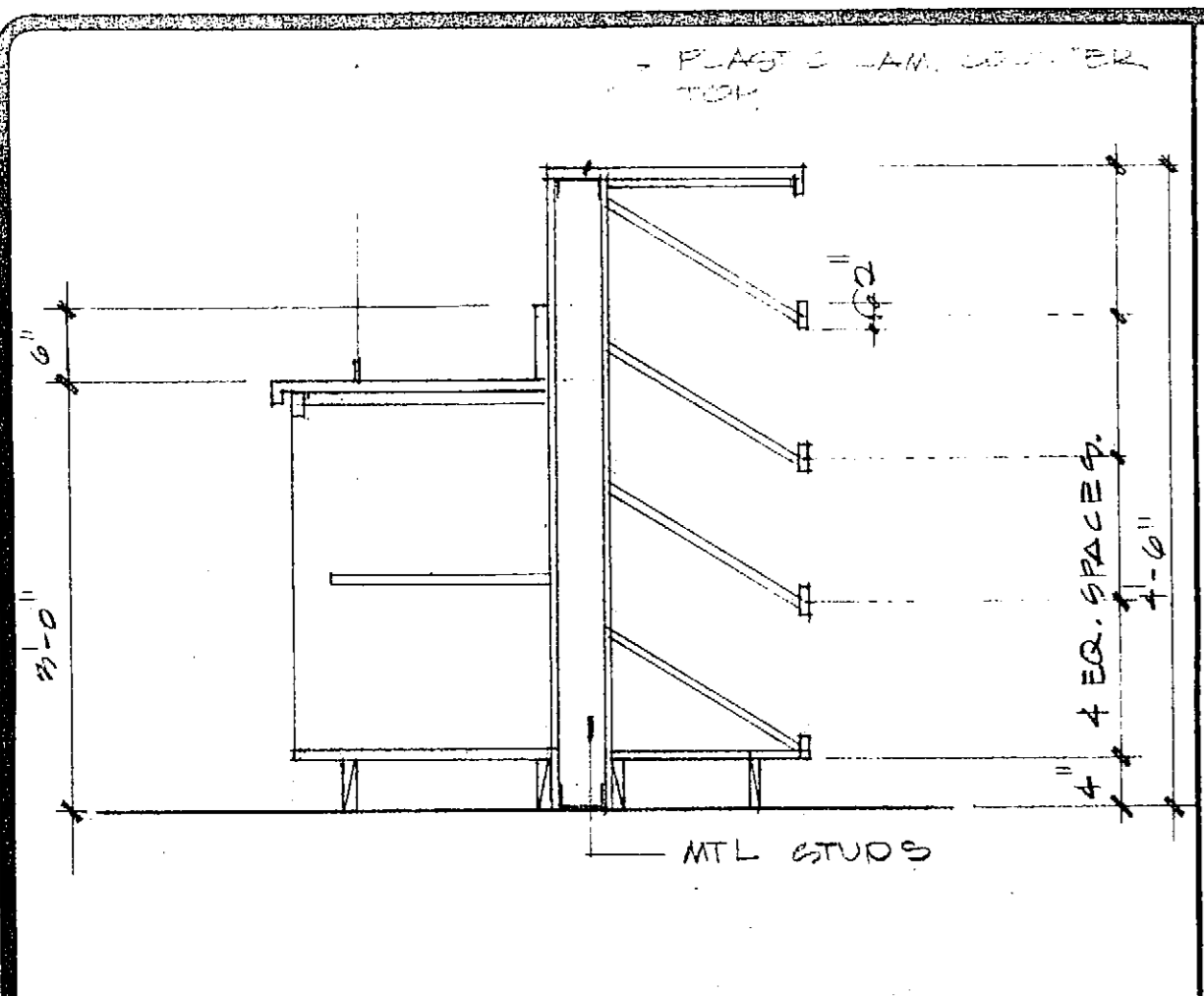
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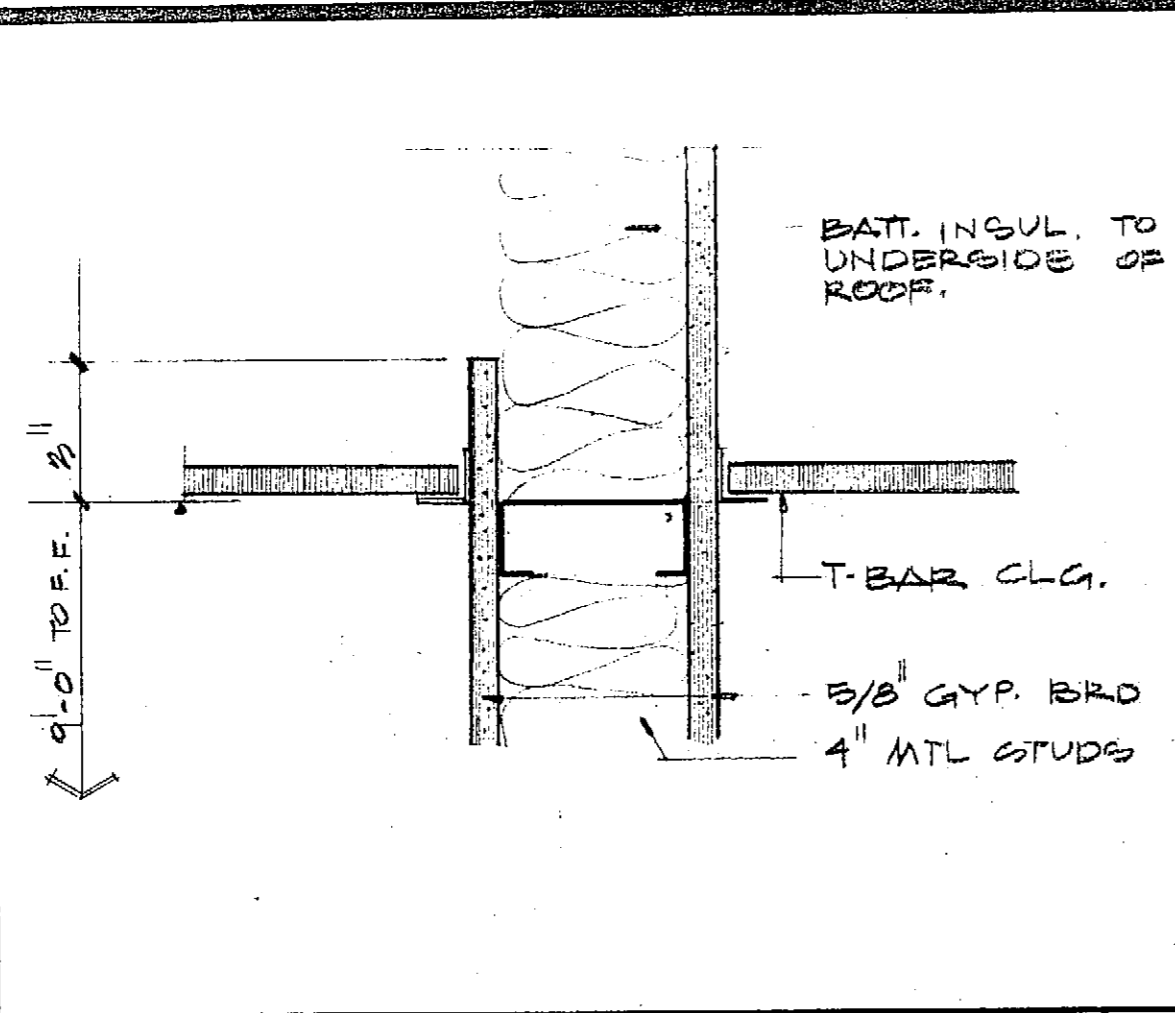
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3021 Franklin Street  
Riverside, Ca.

COUNTY OF RIVERSIDE  
DEPARTMENT OF BUILDING AND SAFETY  
STRUCTURAL ENGINEERING  
REVIEWED AND APPROVED BY  
YOTHIN R. RICE  
Date: 12-13-91  
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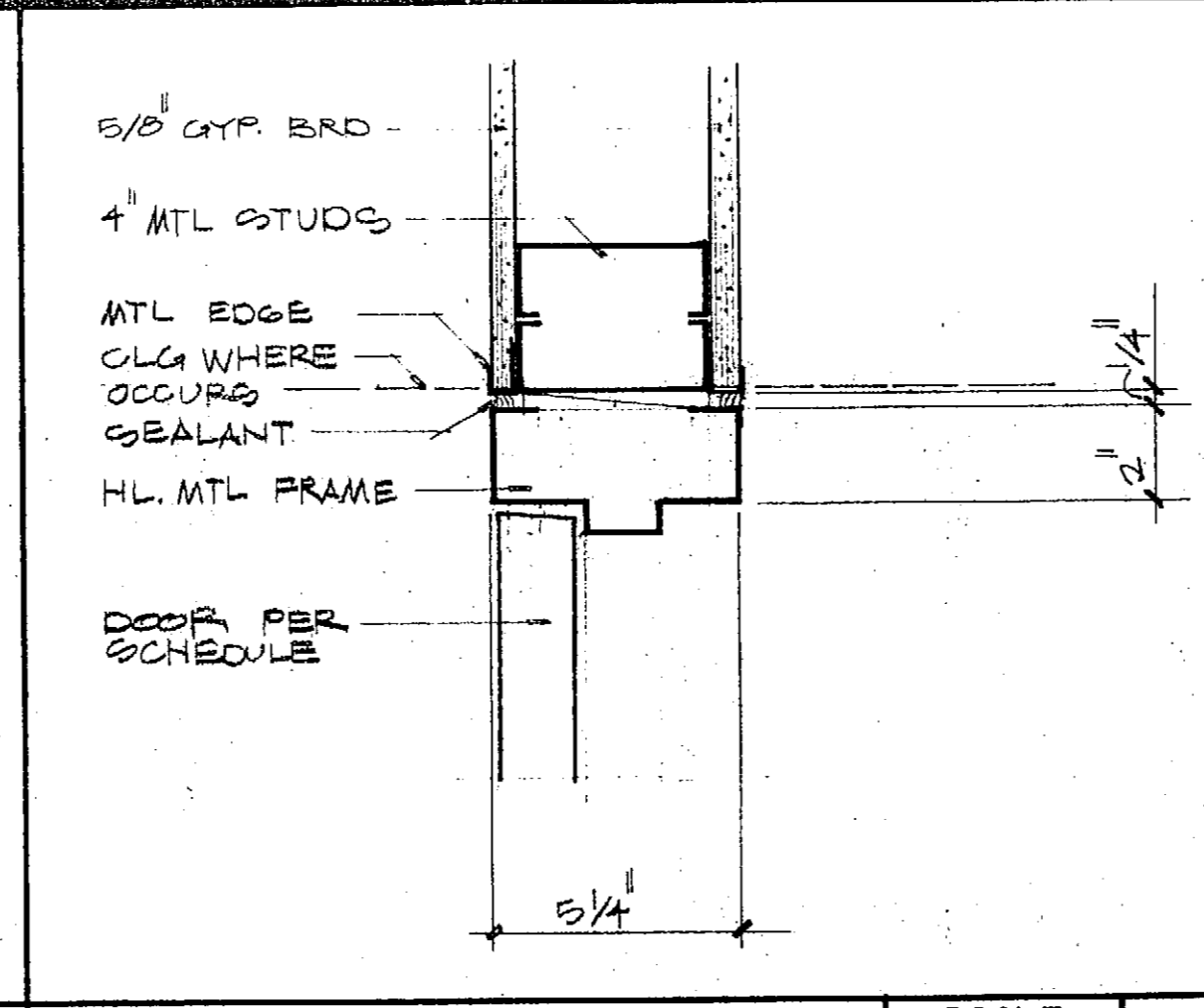
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CHECKED	LD
DATE	12-13-91
SCALE	AS NOTED
JOB NO.	91002
SHEET	D-1
OF	SHEETS



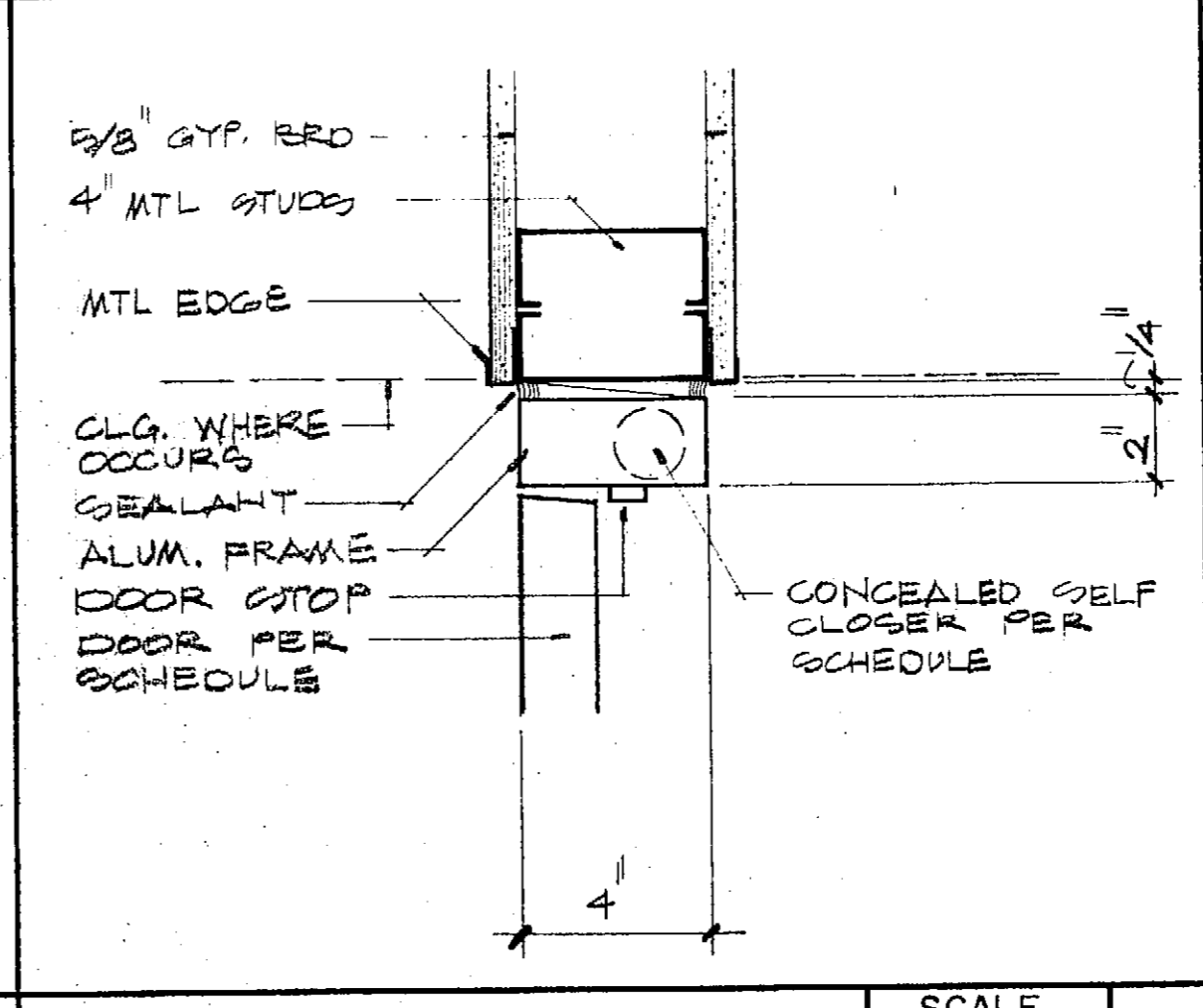
MAGAZINE DISPLAY CAB. SCALE 3/4"=1'-0" 17



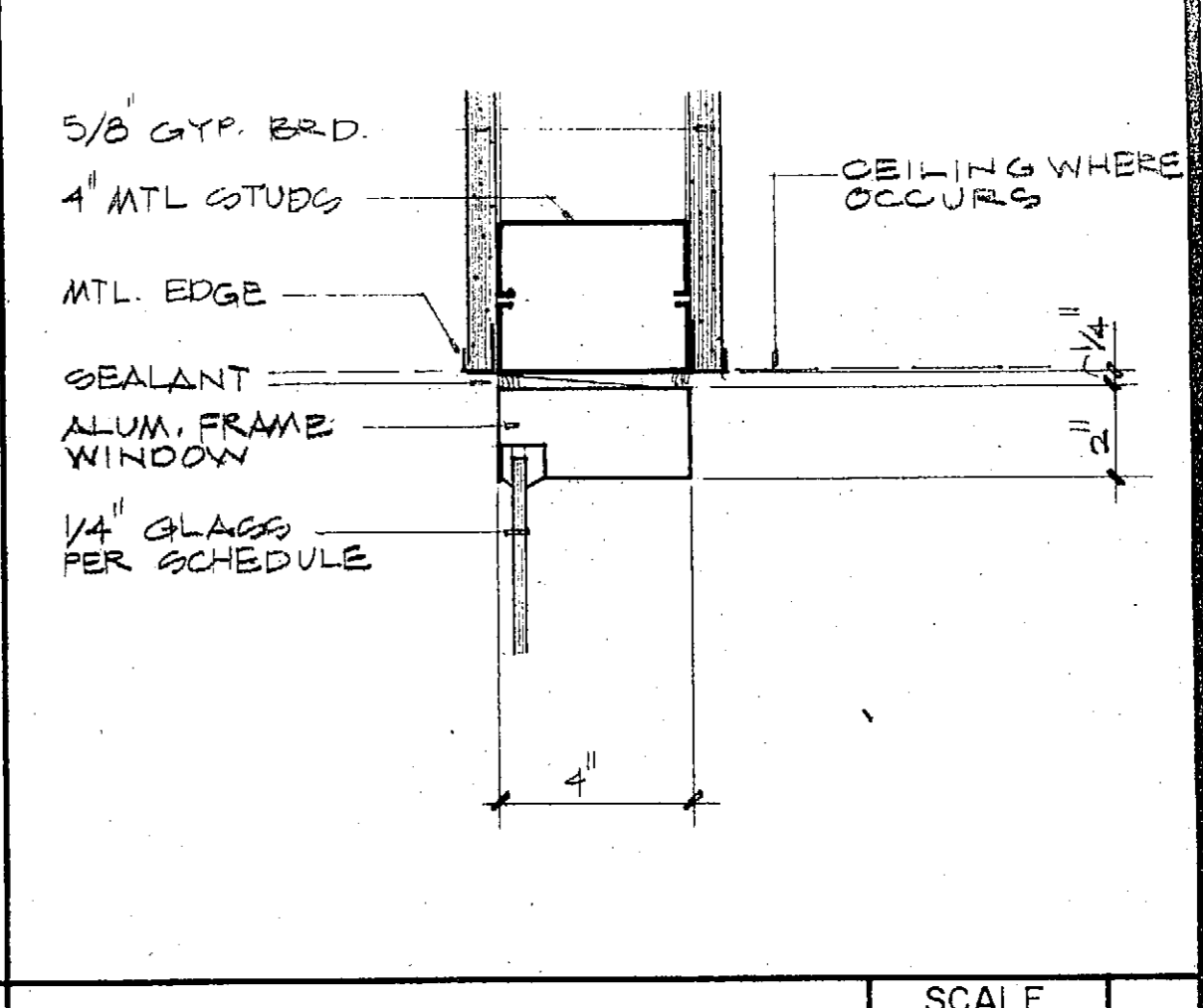
T-BAR AT CONT. WALL SCALE 3"=1'-0" 13



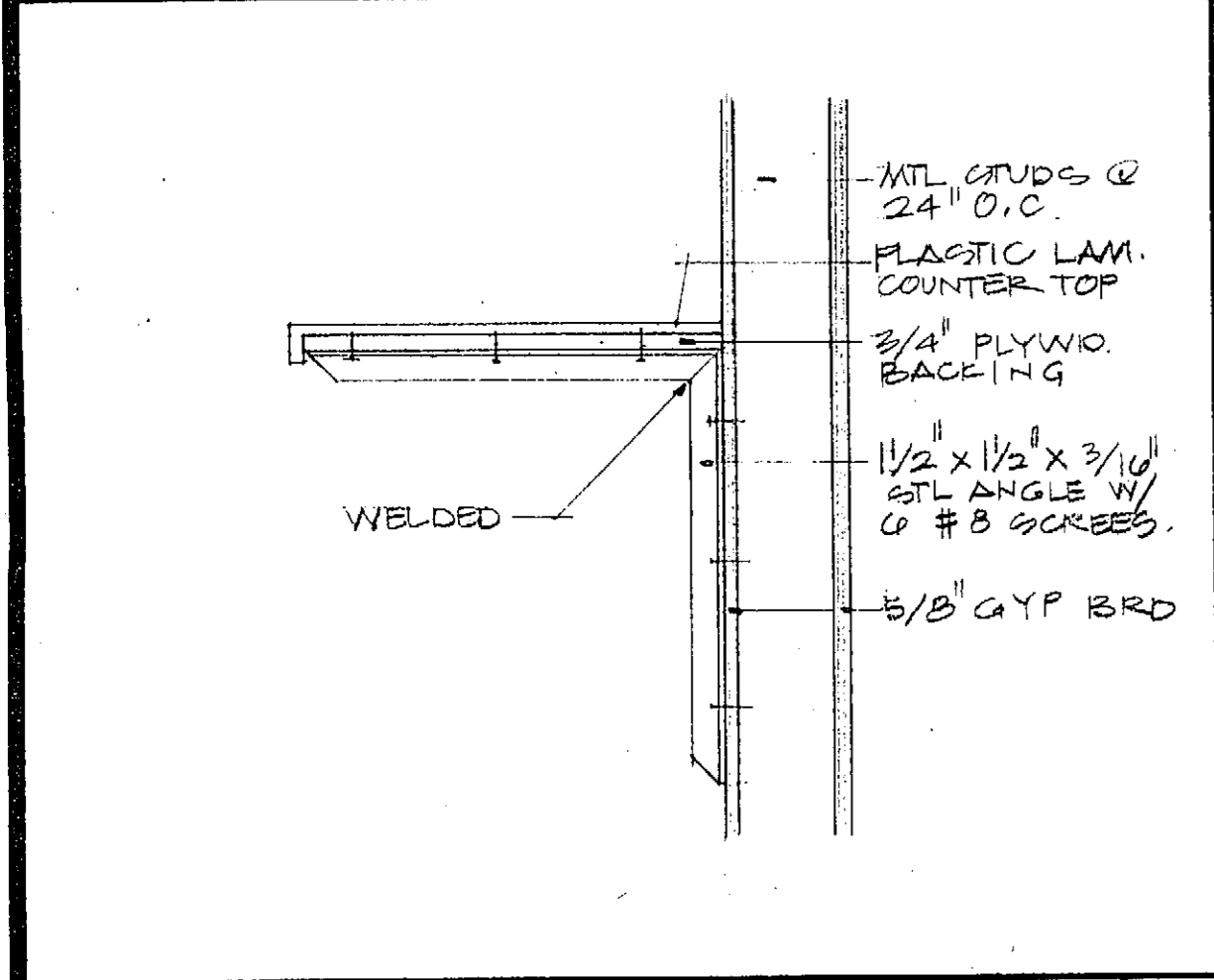
WINDOW HEAD/JAMB/SILL SIM SCALE 3"=1'-0" 9



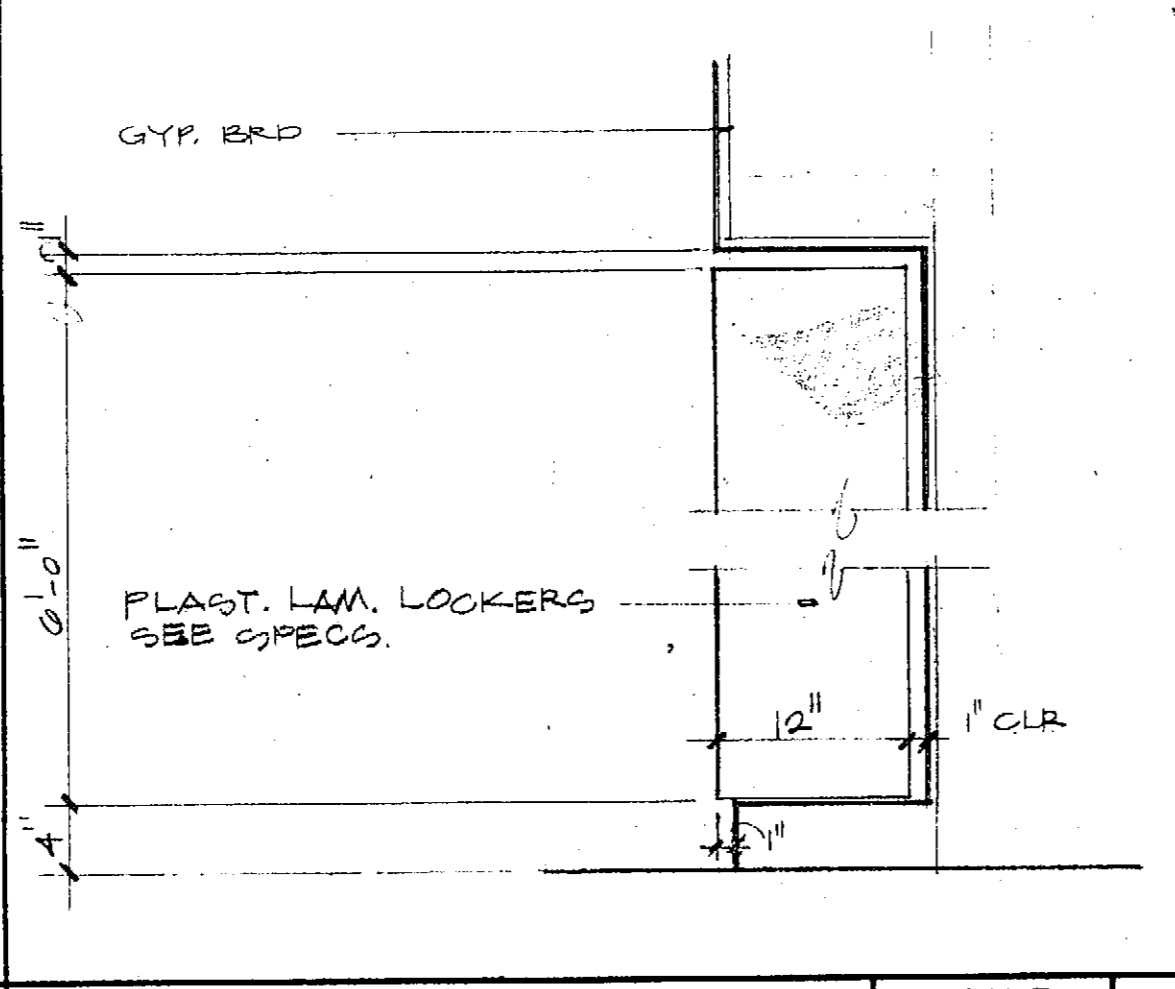
DOOR HEAD/JAMB SIM. SCALE 3"=1'-0" 5



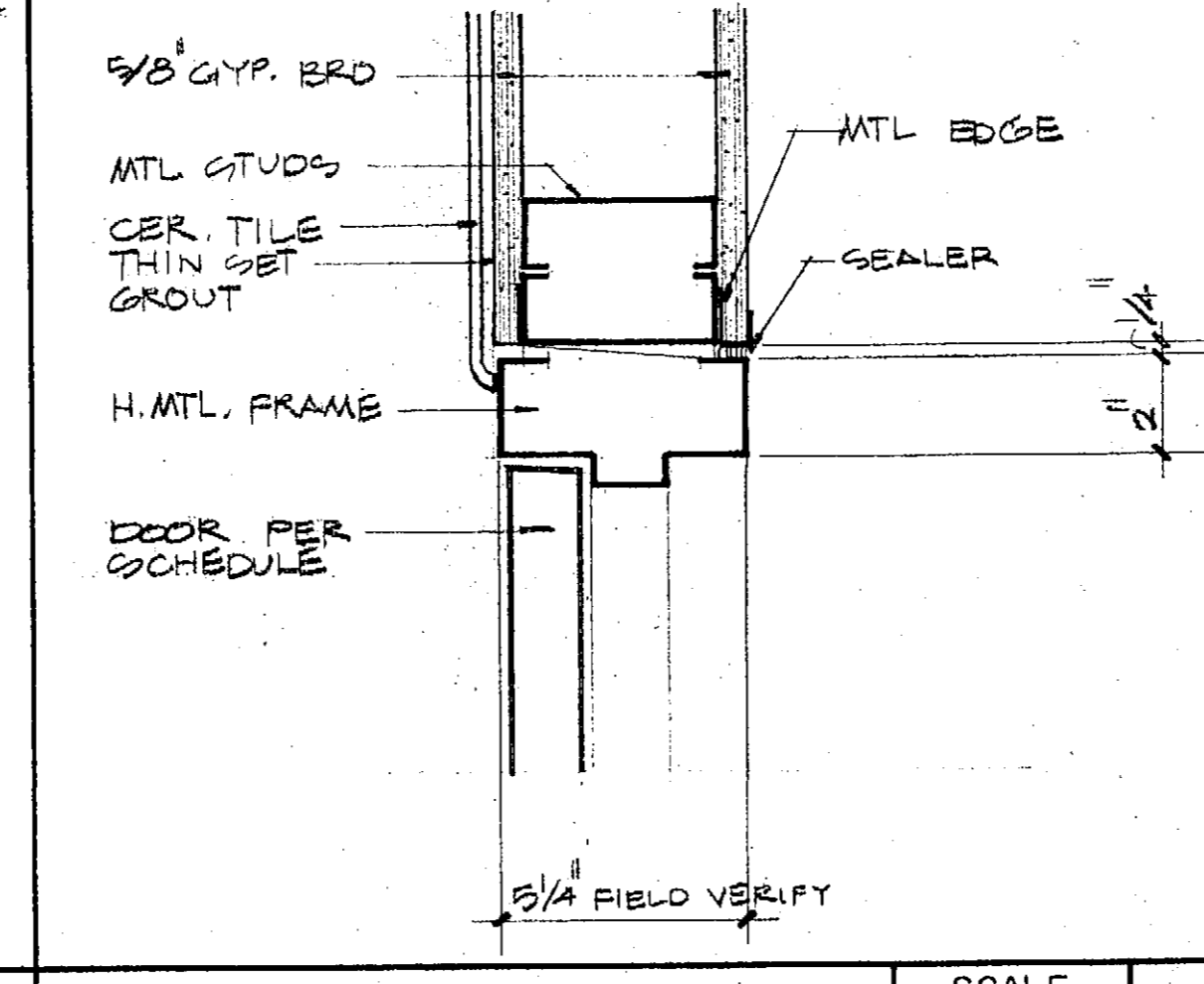
JAMB SIM. SCALE 3"=1'-0" 1



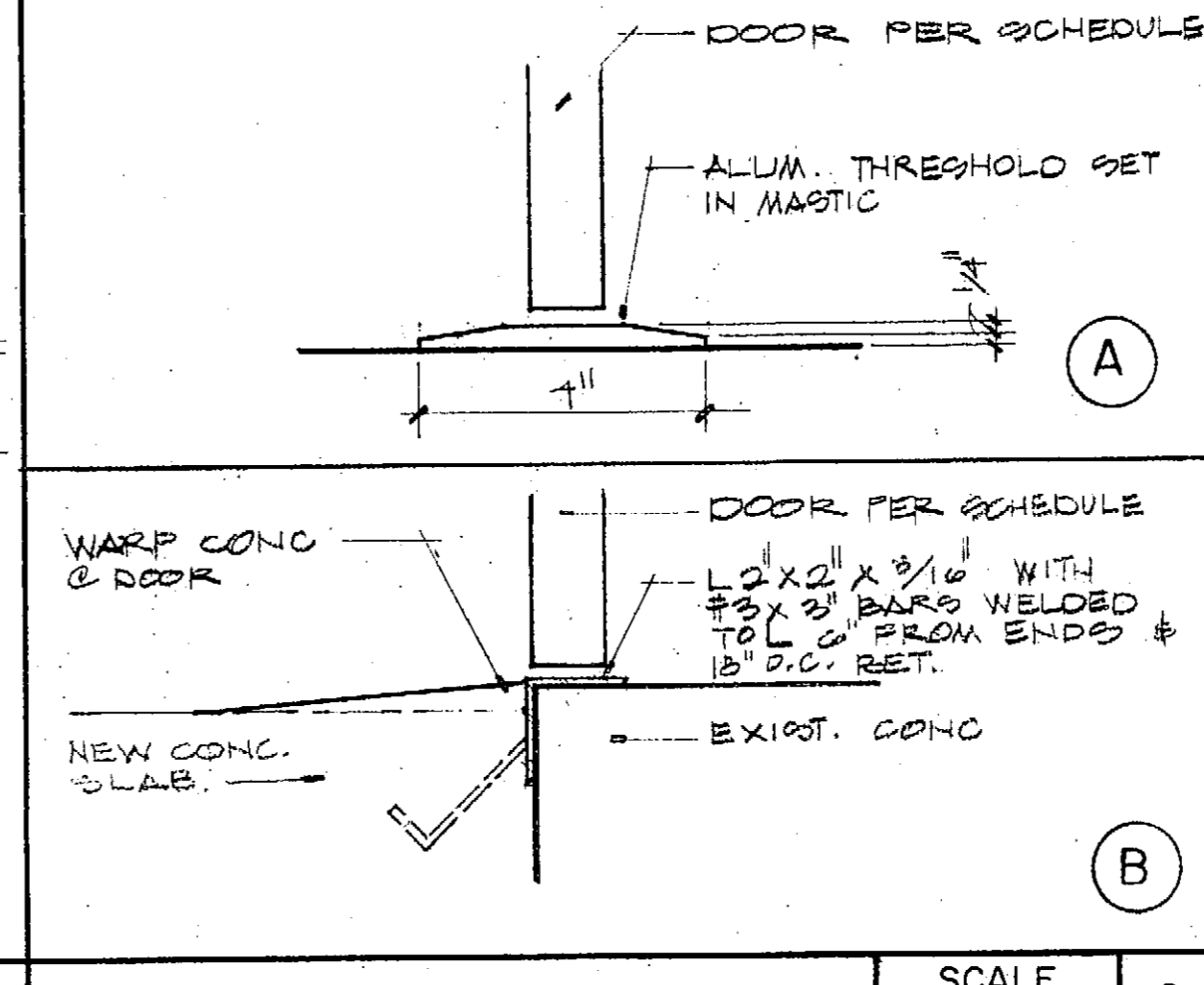
COUNTER TOP SUPPORT SCALE 1/2"=1'-0" 18



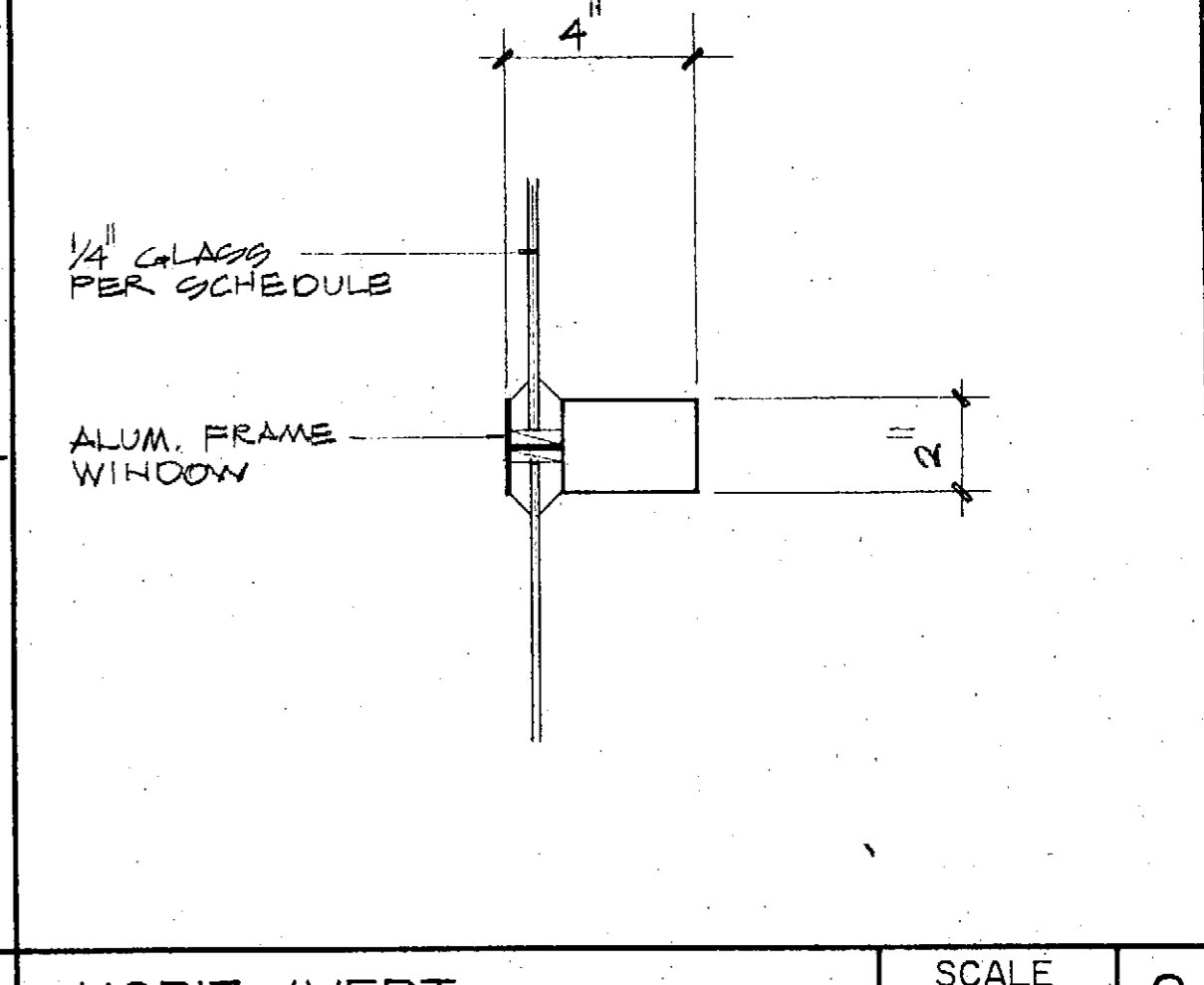
LOCKERS SCALE 1"=1'-0" 14



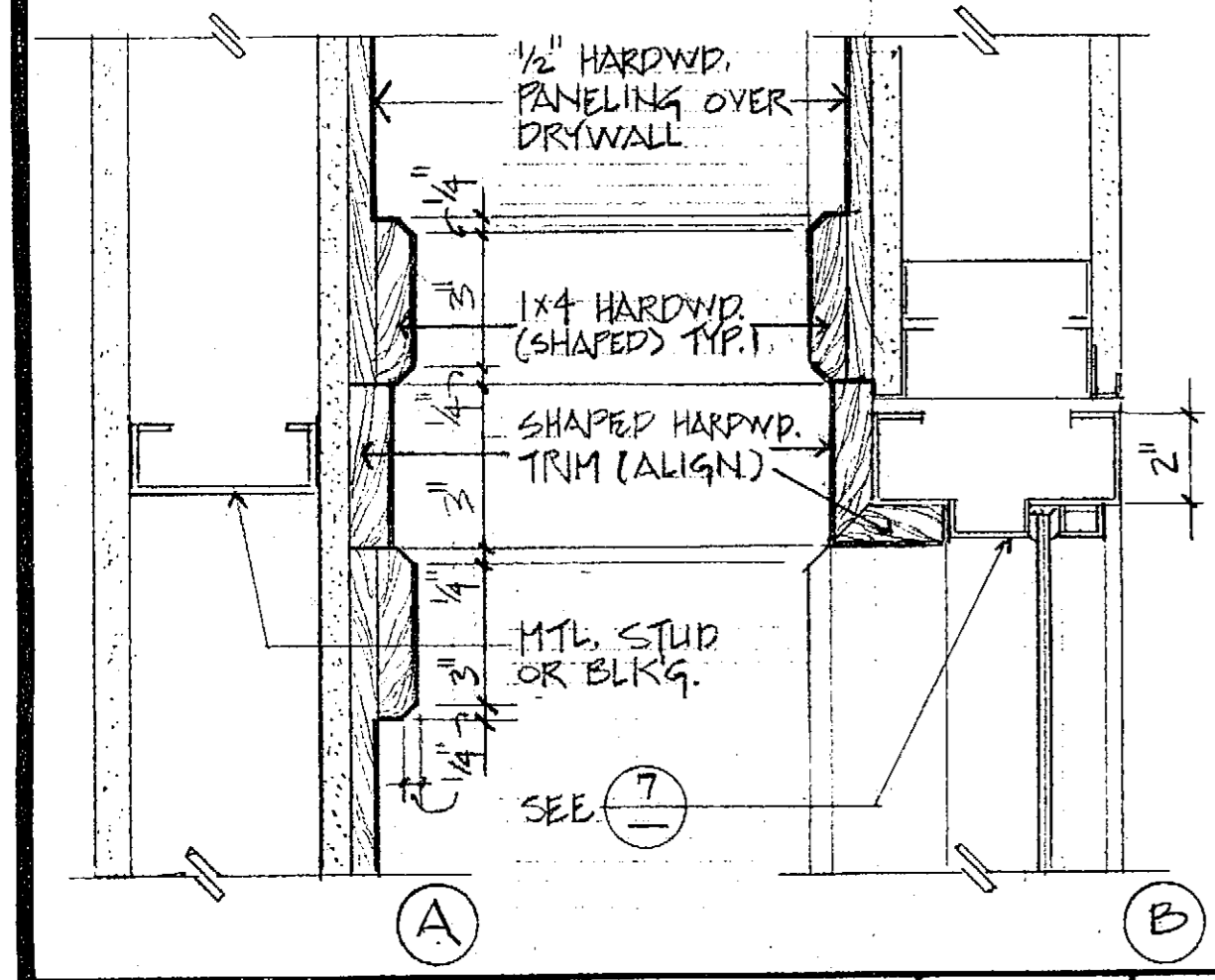
DOOR HEAD/JAMB SIM. SCALE 3"=1'-0" 10



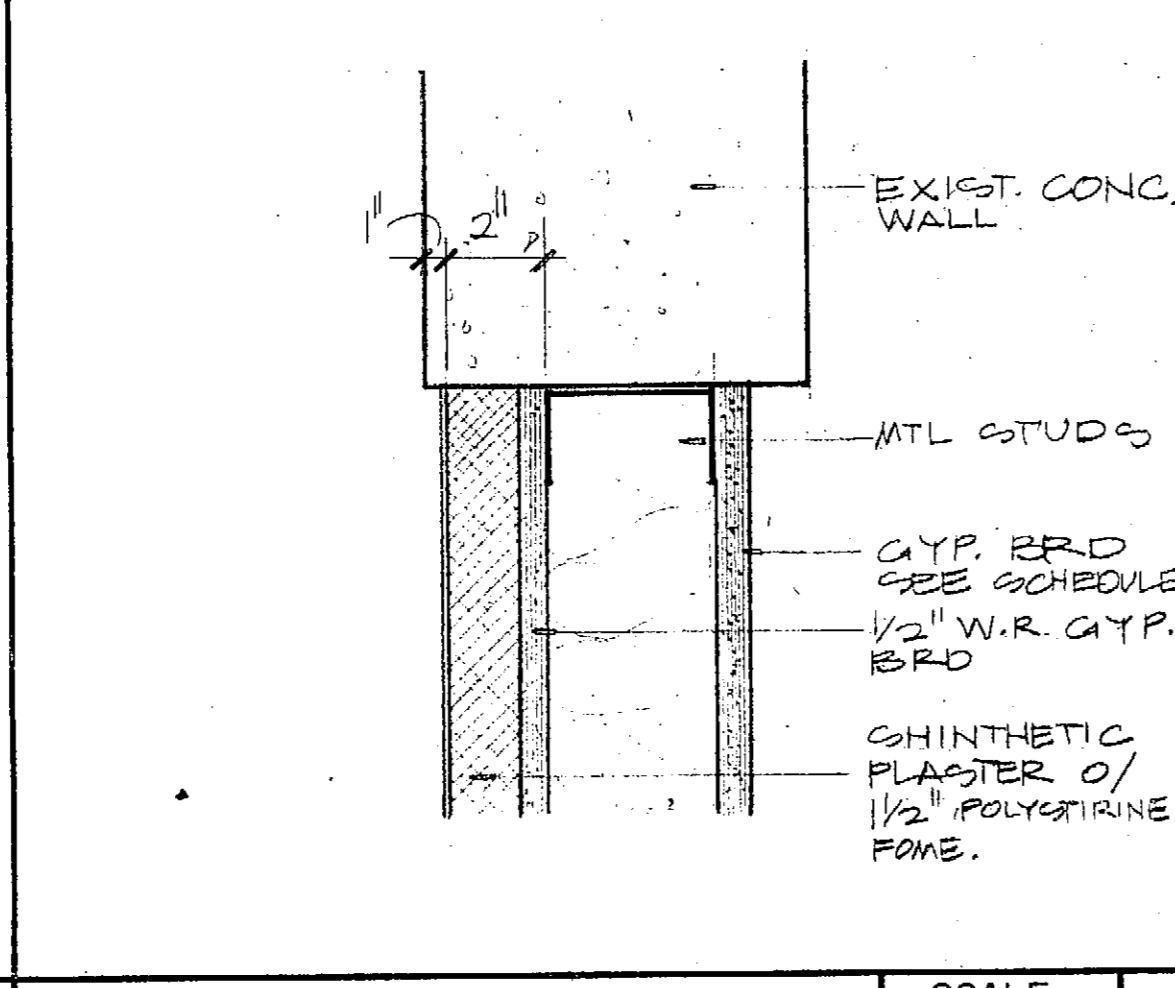
THRESHOLD SCALE 3"=1'-0" 6



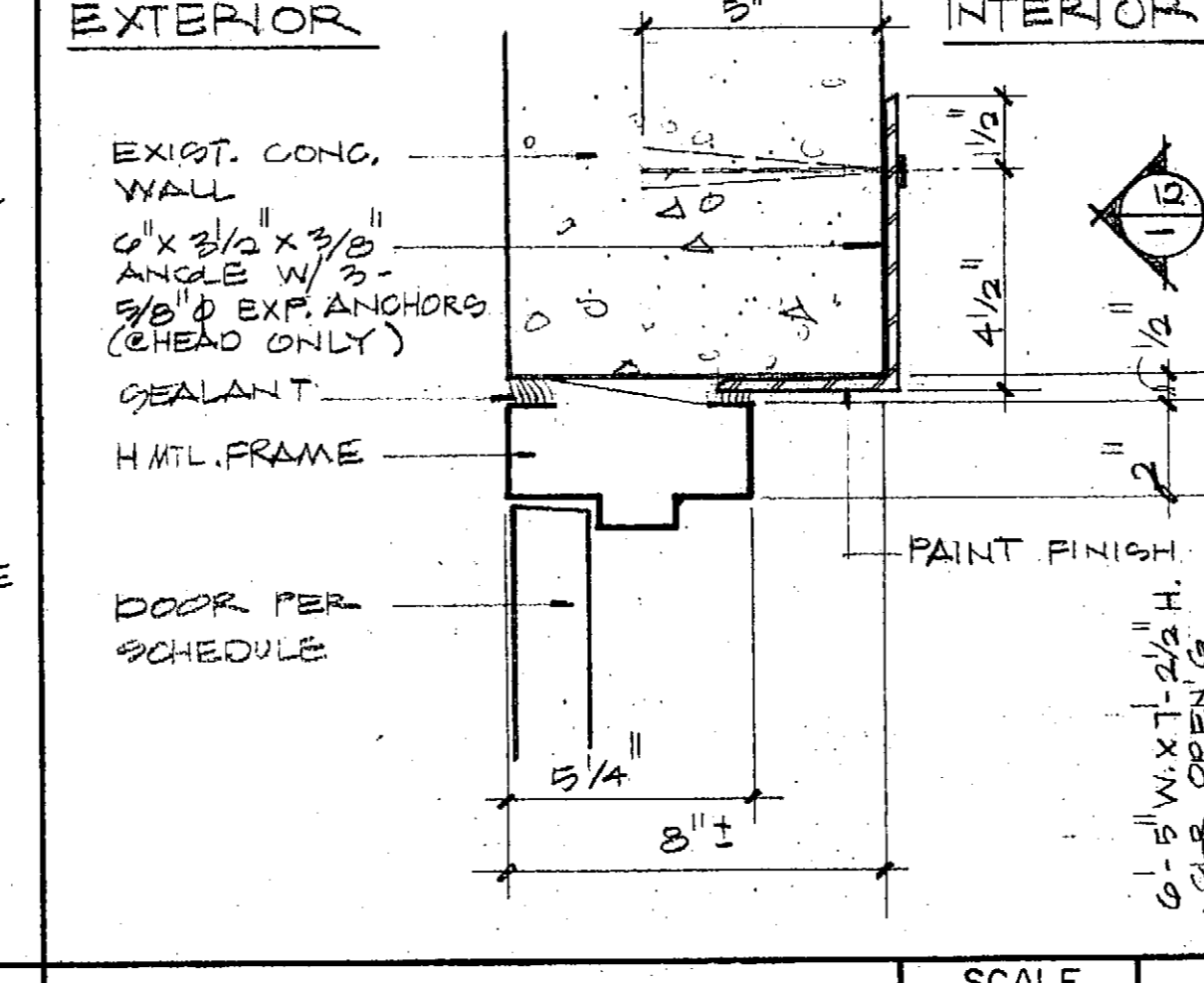
HORIZ./VERT. SCALE 3"=1'-0" 2



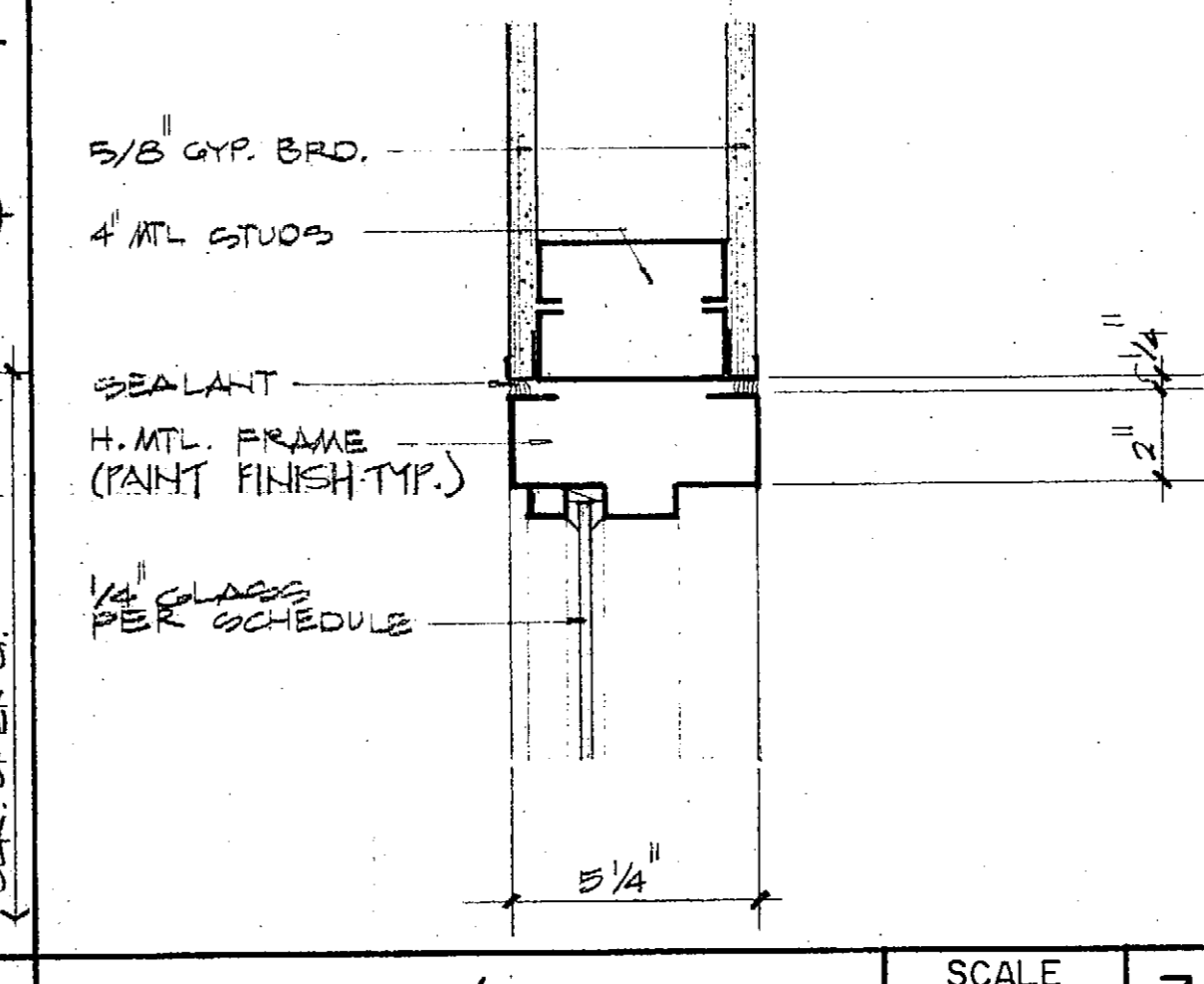
JAMB / TRIM (HEAD SIM) SCALE 3"=1'-0" 19



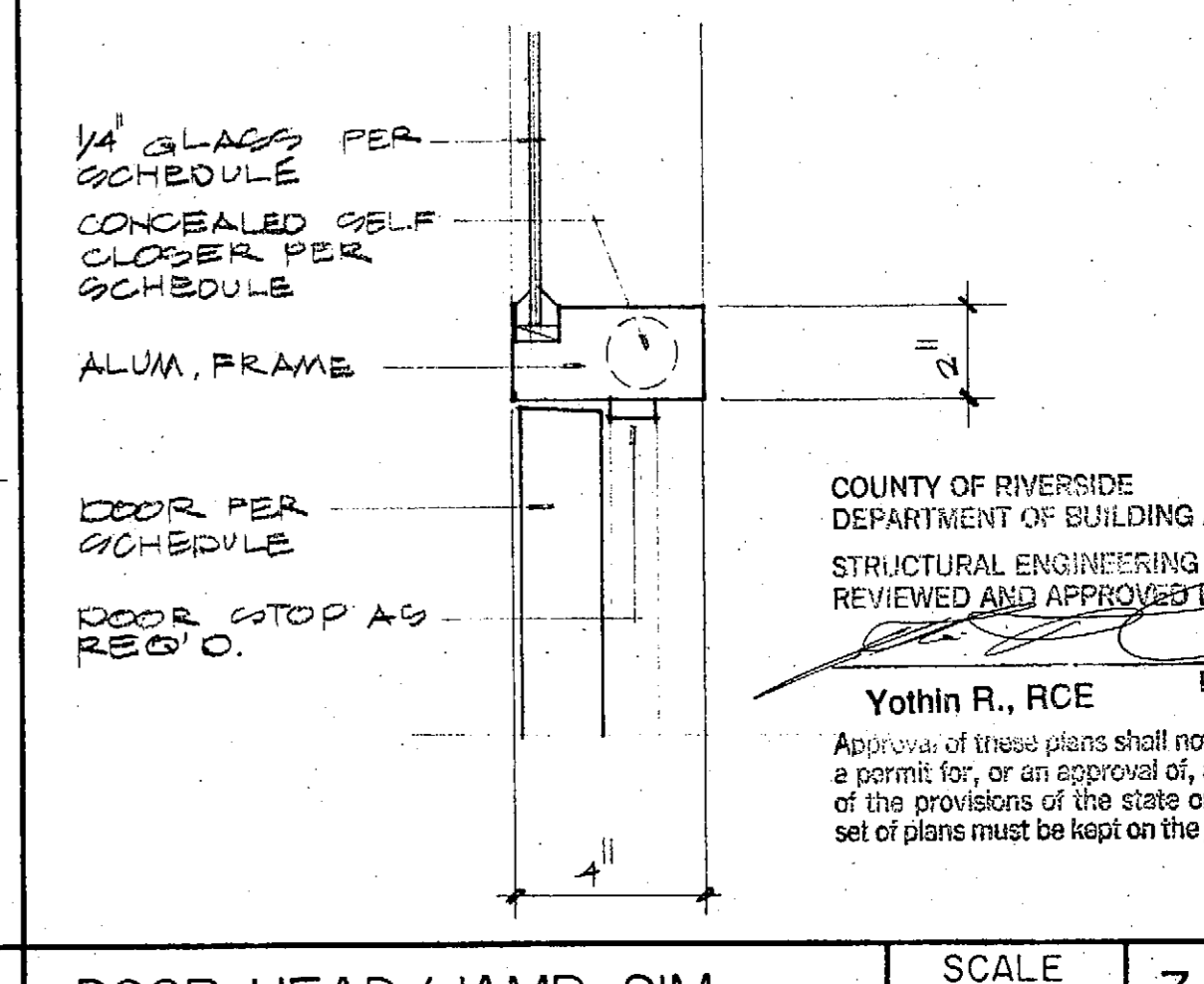
INFILL PANEL HEAD/JAMB SCALE 3"=1'-0" 15



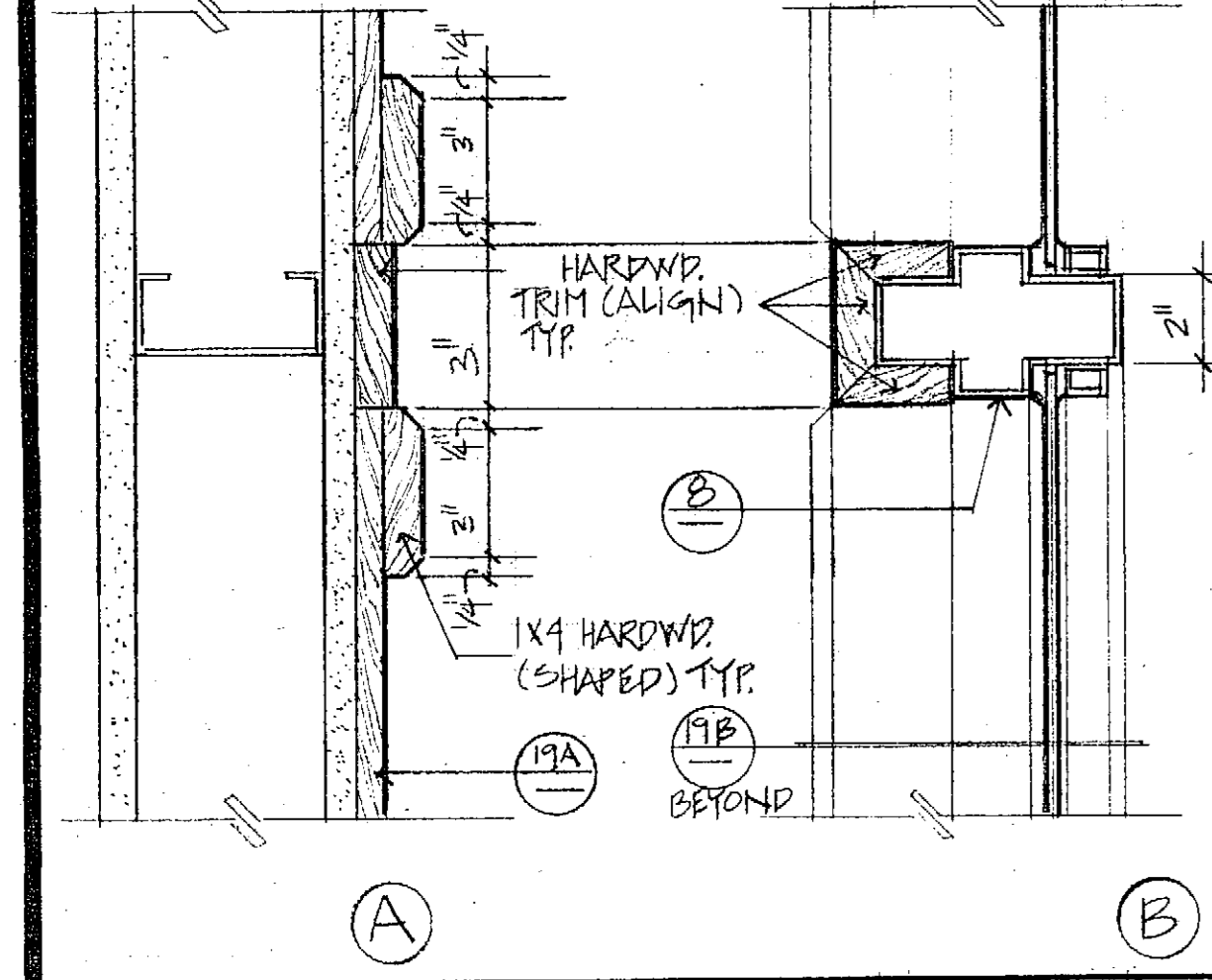
DOOR HEAD/JAMB SIM. SCALE 3"=1'-0" 11



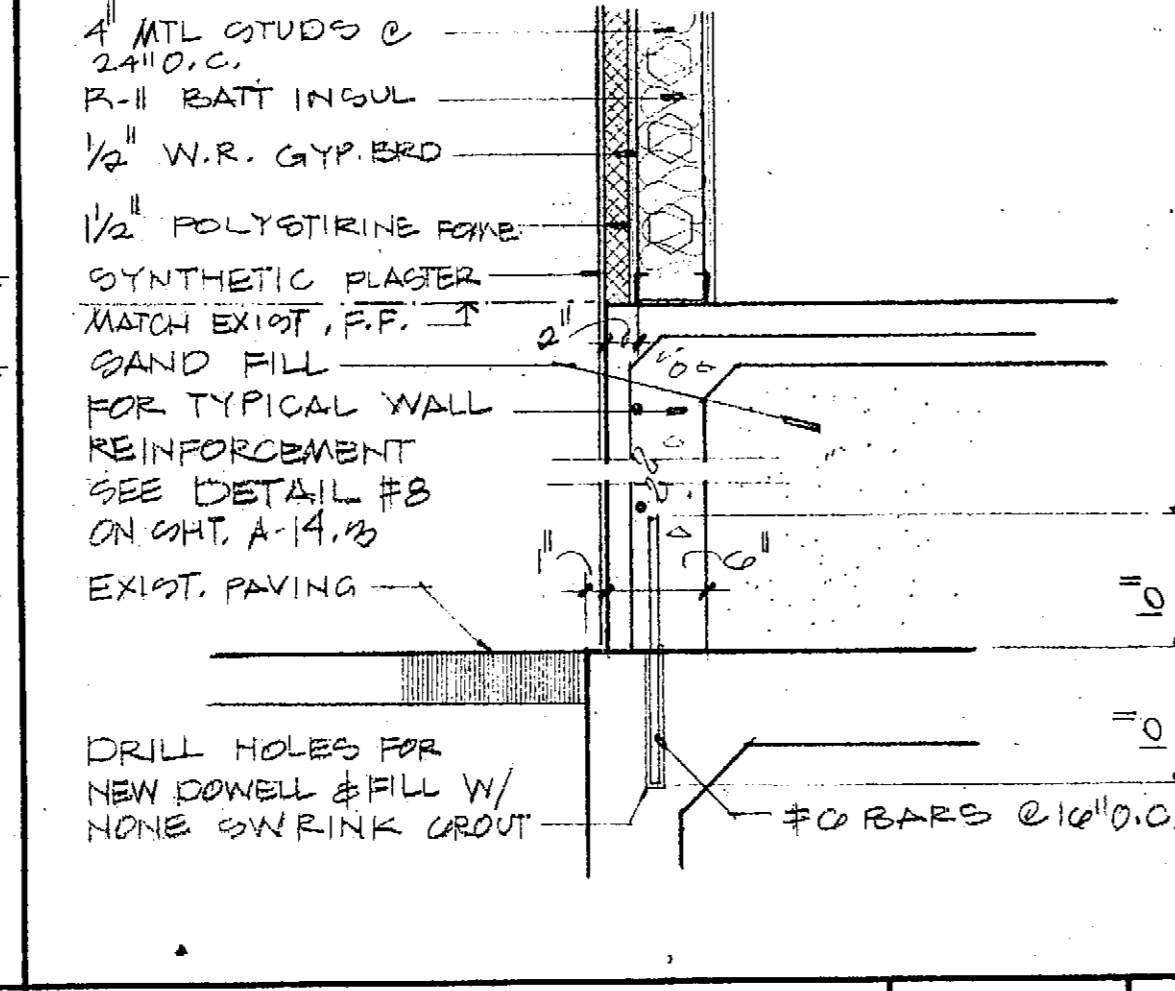
HEAD/JAMB/SILL SIM. SCALE 3"=1'-0" 7



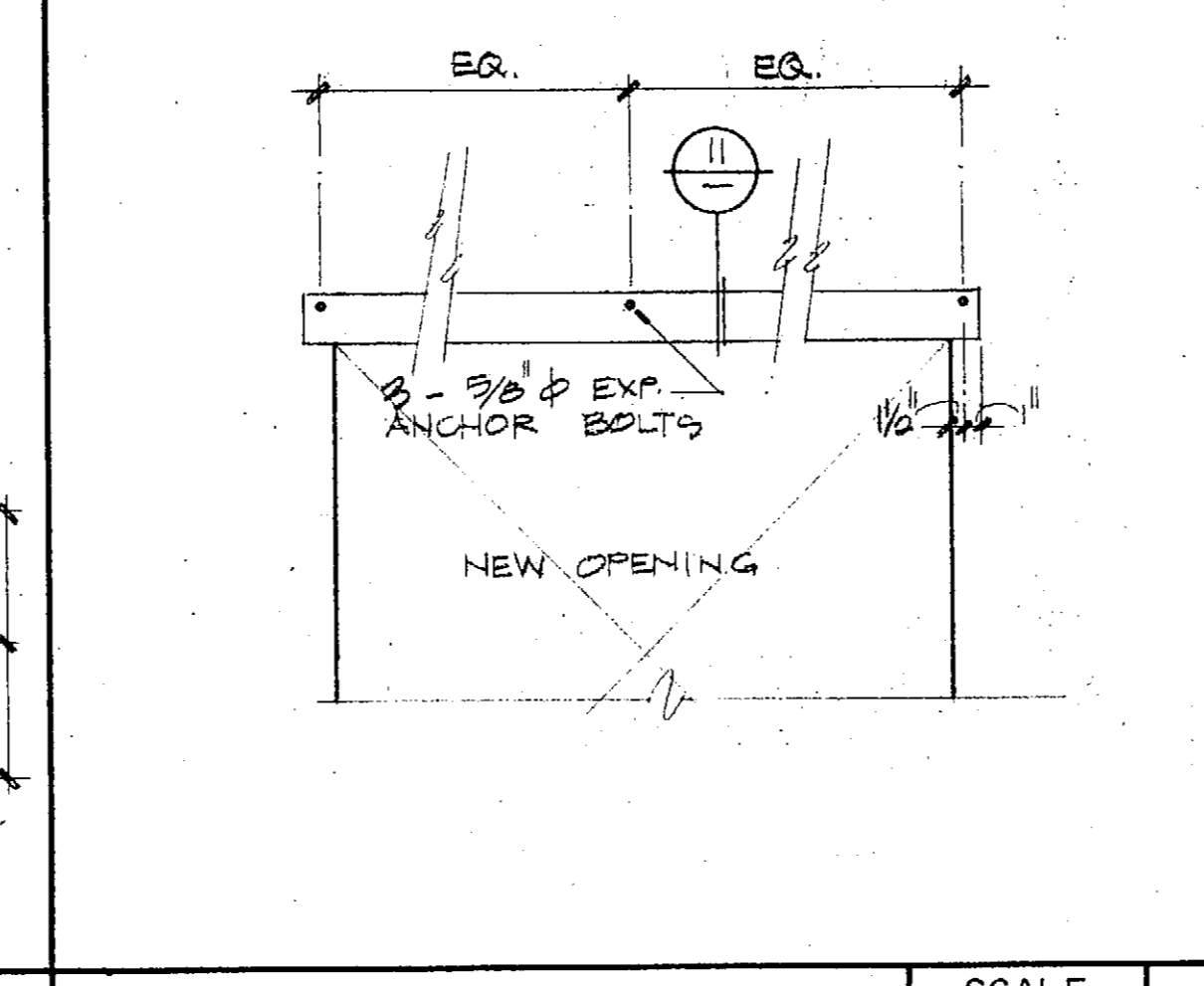
DOOR HEAD/JAMB SIM. SCALE 3"=1'-0" 3



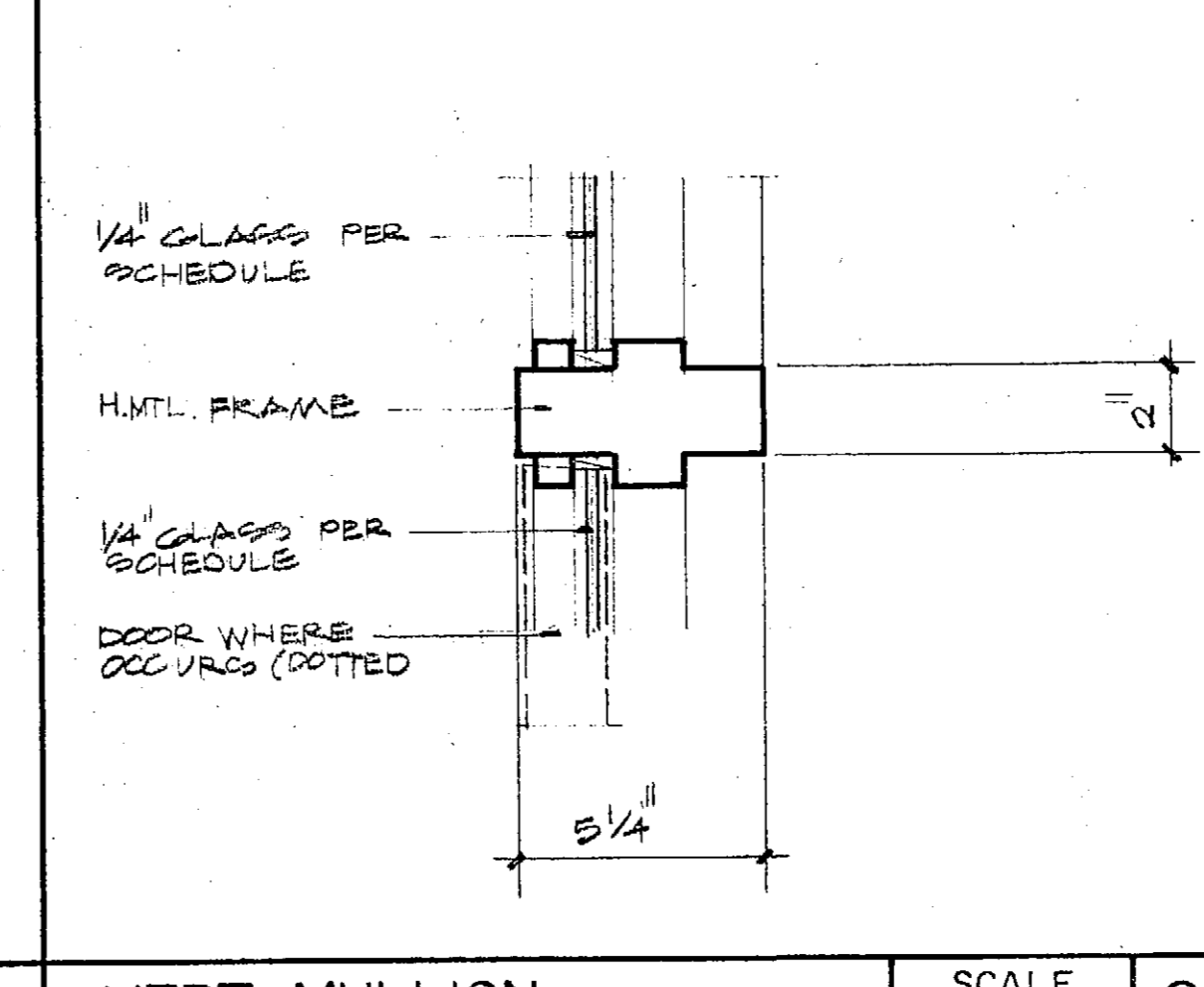
MULLION / TRIM SCALE 3"=1'-0" 20



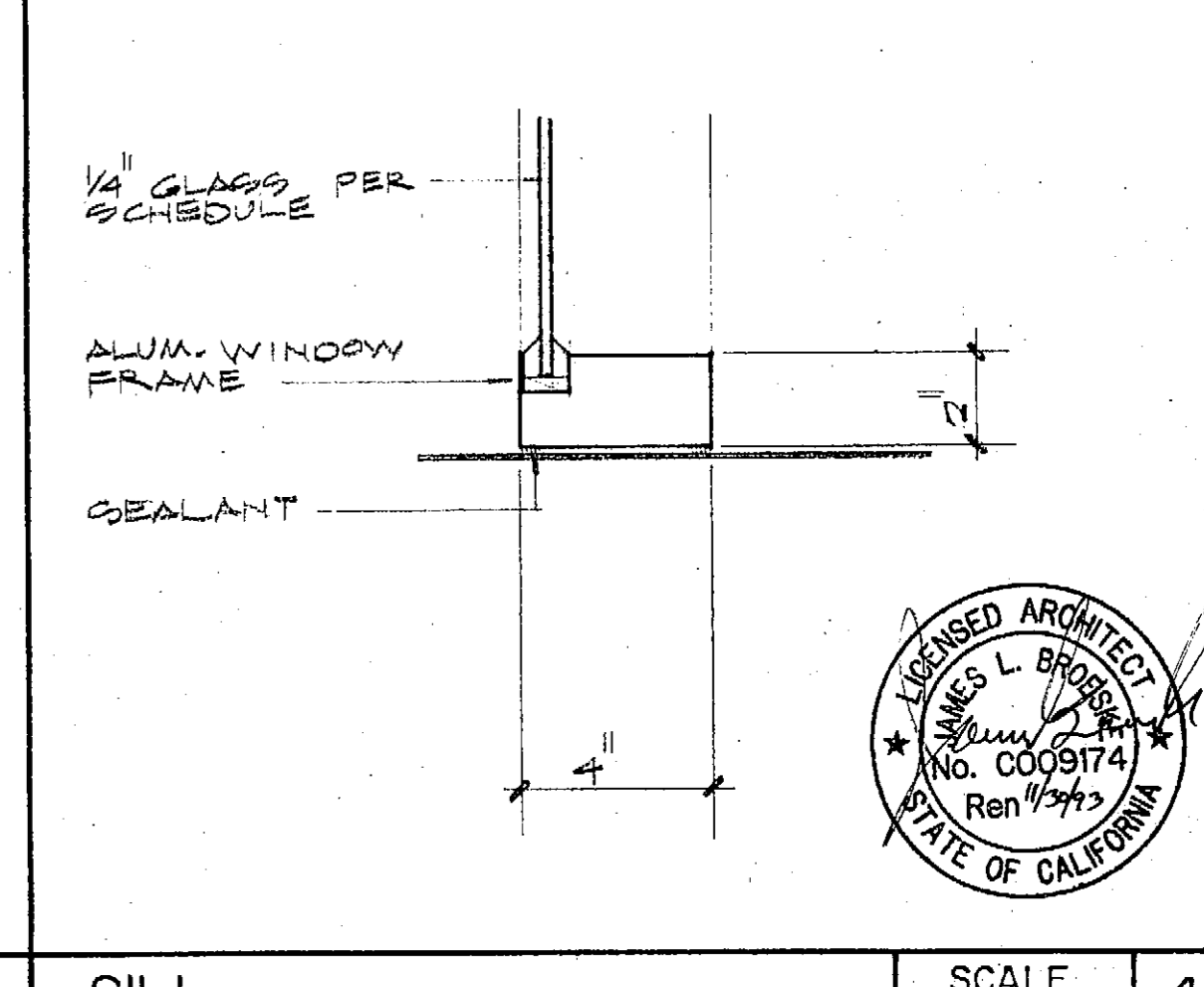
INFILL PANEL SILL. SCALE 1"=1'-0" 16



LINTEL DETAIL SCALE N.T.S. 12



VERT. MULLION SCALE 3"=1'-0" 8



SILL SCALE 3"=1'-0" 4

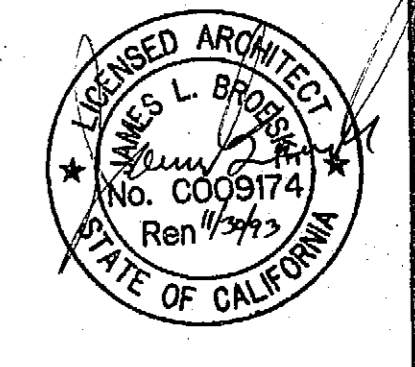
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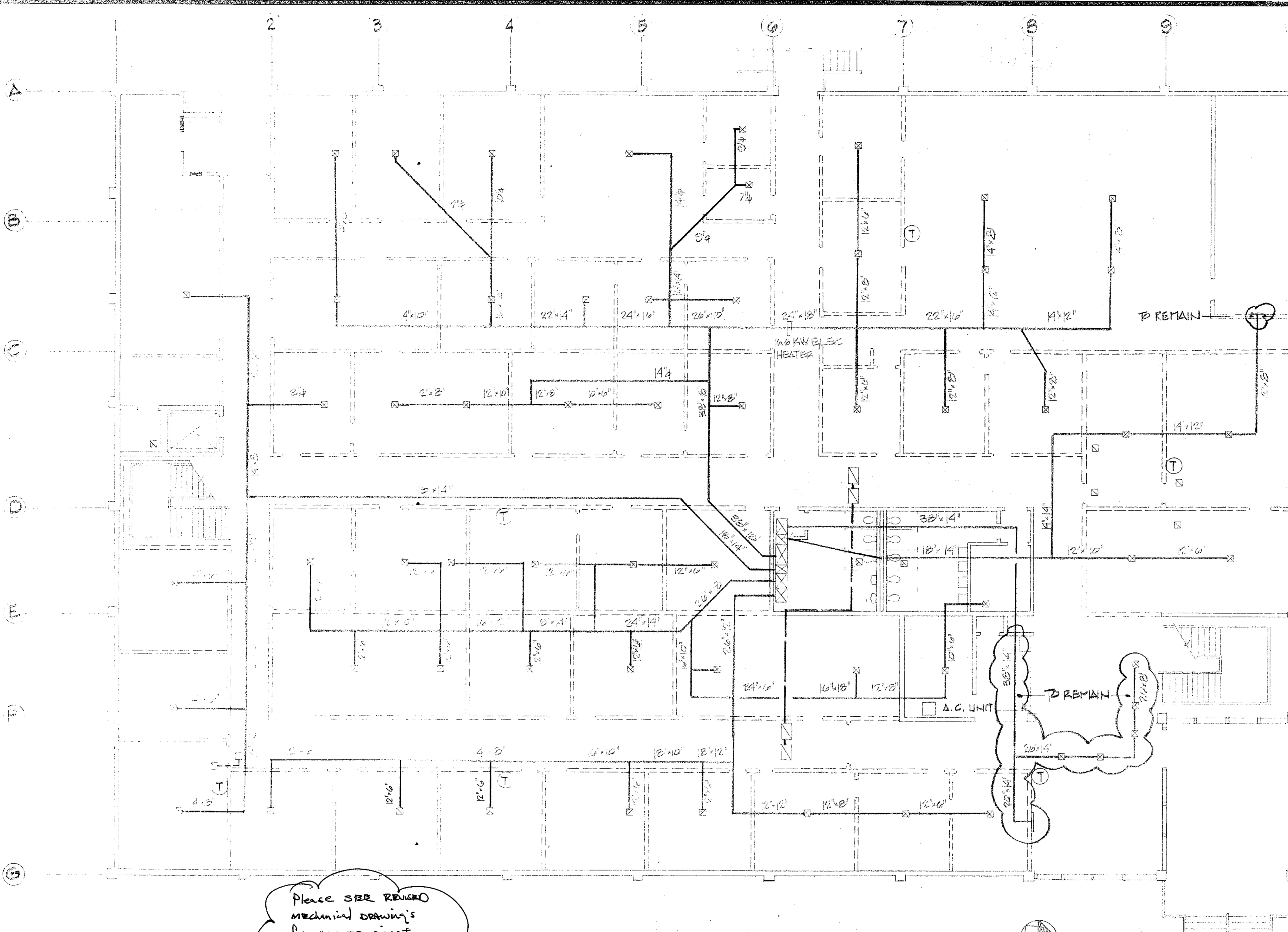
RIVERSIDE Library Headquarters  
 3021 Franklin Street  
 Riverside, Ca.

COUNTY OF RIVERSIDE  
 DEPARTMENT OF BUILDING AND SAFETY  
 STRUCTURAL ENGINEERING  
 REVIEWED AND APPROVED BY  
 Yothin R., RCE  
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SCALE	AS NOTED
JOB NO.	91002
SHEET	

D-2  
 OF SHEETS



Please SEE REVISED MECHANICAL DRAWING'S for NEW EQUIPMENT and all existing items T.S.

**MECHANICAL - FIRST FLOOR PLAN DEMOLITION**  
SCALE: 1/8" = 1'-0"

- DEMOLITION NOTES SHEET M-1**
- 1 REMOVE ALL SUPPLY AIR DUCTWORK, RISERS, DIFFUSERS AND CONTROLS EXCEPT AS NOTED. EXISTING DIFFUSERS MAY BE RE USED FOR NEW WORK, SEE SPECIFICATIONS.
  - 2 REMOVE ALL RETURN AIR DUCTWORK, RISERS AND REGISTERS.

**Mandatory Measures Checklist** MF-1

Project: Library Headquarters For Enforcement Agency Use Only  
 Date: 12/13/71  
 Plan Checked By: \_\_\_\_\_  
 Documentation: \_\_\_\_\_

This Checklist is applicable to both First and Second Generation Nonresidential Standards Compliance.

Reference in Construction Documents	Reference in Construction Documents
<b>Envelope Measures</b>	
(1) Certified insulation materials per 2-5311(a) Arch.	(1) Photocell sensors with a minimum 1000 lux no opaque cover per 2-5316(a)(1) Elect.
(1) Insulation installed to meet flame spread and smoke density requirements per 2-5311(b) Arch.	(1) Manufacturer instructions provided for installation and calibration per 2-5316(a)(2) Elect.
(1) Use of multiple layer insulation is limited per 2-5311(c) Arch.	(1) Proper installation of controls including sensor location, identification of initial calibration and control of luminaires only within daylight area per 2-5316(a)(3) Elect.
(1) Retrofit insulation specified as per 2-5312 Arch.	(1) Visible or visible malfunction alarms per 2-5316(a)(4) Elect.
(1) Air infiltration is minimized by specification of tested manufacturer doors and windows, proper sealing and caulking of joints and openings in exterior walls, and weatherstripping as per Section 5-511.1 Arch.	
	<b>Occupancy Sensing Devices (when applicable)</b>
	(1) Visible or audible malfunction alarms per 2-5316(a) Elect.
	(1) Links on emitters per exceptions to 2-5316(a) Elect.
	<b>HVAC and Plumbing System Measures</b>
(1) Certified luminaires/balasts per 2-5314(b) Elect.	(1) Piping insulated as required by 2-5312 UO 3.0
(1) Independent control w/ enclosed areas per 2-5315(a) Elect.	(1) Certified HVAC equipment per 2-5314(a) UO 3.0
(1) Manual switching readily accessible per 2-5315(b) Elect.	(1) Certified plumbing equipment per 2-5314(a) UO 3.0
(1) Reduction of lighting load to at least one-half per 2-5315(c) Elect.	(1) Heating and cooling equipment efficiency per 2-5314(b) UO 3.0
(1) Occupancy sensors or programmable timers meeting CDC criteria may substitute.	(1) Pileless ignition of gas appliances per 2-5314(c) UO 3.0
(1) Separate switching of display and entrance lighting in retail and wholesale stores per 2-5315(d) Elect.	(1) Thermostat set point requirements per 2-5314(d) UO 3.0
(1) Separate switching of display and entrance lighting in retail and wholesale stores per 2-5315(d) Elect.	(1) Thermostat set point requirements per 2-5314(d) UO 3.0
(1) Automatic control of display lighting in retail and wholesale stores per 2-5315(e) Elect.	(1) Sequential control of heating and cooling per 2-5314(e) UO 3.0
(1) Tandem wiring of one and two temperature sensors per 2-5315(f) Elect.	(1) Automatic exhaust fan dampers per 2-5314(f) UO 3.0
(1) Uniform illumination reduction to one-half per 2-5315(g) Elect.	(1) Thermostat controls for each zone per 2-5314(g) UO 3.0
(1) Filter free operation and no premature lamp failure per 2-5315(h) Elect.	(1) Thermostat set point requirements per 2-5314(h) UO 3.0
(1) Time delay or programmable cycling per 2-5315(i) Elect.	(1) Ventilation and recirculation air quantity per 2-5314(i) UO 3.0
(1) Stop switching devices with separation between coil settings per 2-5315(j) Elect.	(1) Heaters for domestic hot water and/or pools per 2-5314(j) UO 3.0

EEM Form Revised September 1988 Page 1 of 69

**Certificate of Compliance (Part 1 of 2)** Performance Requirements CF-1B

Project: Library Headquarters For Enforcement Agency Use Only  
 Date of Certificate: \_\_\_\_\_  
 Project Address: 112 Seventh Street  
 City: Riverside  
 State: CA  
 County: Riverside  
 City/Zip: Riverside, CA 92507  
 Building Permit Number: \_\_\_\_\_  
 Plan Checked By: \_\_\_\_\_  
 Field Checked By: \_\_\_\_\_  
 Approved By: \_\_\_\_\_

Principal Designer: The proposed building will be in substantial compliance with the California Building Energy Efficiency Standards provided it is built according to the plans and specifications and provided that the proposed building is not a new building. The plans and specifications have been prepared to include all significant energy conservation features required for compliance with the Standards. Building areas that are unenclosed and/or not subject to the standards are indicated on the plans.

Signature: James L. Broeske Date: 12/13/71  
 Name/Title: James L. Broeske License No. 0099174  
 Company: Kroh/Broeske Architects, Inc.  
 Address: 112 Seventh Street  
 City/State/Zip: Riverside, CA 92507

Enforcement Agency: The proposed building, and future alterations will comply with the California Building Energy Efficiency Standards, provided future alterations meet the requirements indicated on the Certificate and all applicable mandatory measures, as long as the building occupancy type remains unchanged.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Name/Title: \_\_\_\_\_  
 Agency: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_

General	Reference
1. Unenclosed or Multi-level area? <u>NO</u>	
2. CEC Occupancy Type <u>A1</u>	
3. USBC Class. Classification <u>A1</u>	
4. Climate Zone <u>2</u>	
5. Conditioned Floor Area <u>11,200</u> sq ft	
6. Unconditioned Floor Area <u>1,200</u> sq ft	
7. Budget Table (B. Standard) <u>198</u> kWh/yr	
8. All Energy Budget (WB-1A) <u>198</u> kWh/yr	
9. Calc Method CEC Code/Data <u>1.1</u> kWh/yr	
10. Multiplier <u>1.0</u>	
11. Calculated Energy Use <u>198</u> kWh/yr	
<b>Envelope Requirements</b>	
12. Average Roof Ceiling R-Value <u>13.7</u> h-F-450	
13. Average Exterior Floor R-Value <u>1.0</u> h-F-450	
14. Average Opposite Wall R-Value <u>1.5</u> h-F-450	
15. Glazing Area in Wall <u>11.2</u> sq ft	
16. Average SG (Wall glazing) <u>1.5</u> sq ft	
17. Glazing Area in Roof <u>0</u> sq ft	
18. Average SG (Roof glazing) <u>N/A</u>	
<b>Lighting Requirements</b>	
19. Allowed Whole Building LPD <u>1.0</u> watt/sq ft	
20. Allowed Common Areas LPD <u>1.0</u> watt/sq ft	
21. Allowed Exterior Space LPD <u>1.0</u> watt/sq ft	
22. Package Lighting Reduction <u>1.0</u> watt/sq ft	
23. Lighting Controls Requirement? <u>Y</u>	(Y/N)
<b>Mechanical Requirements</b>	
24. System Type <u>VAV</u> <u>1.0</u> h-F-450	
25. Unit Fan Power <u>1.0</u> h-F-450	
26. Rated Cooling Efficiency <u>1.0</u> h-F-450	
27. Rated Cooling Capacity <u>1.0</u> h-F-450	
28. Rated Heating Efficiency <u>1.0</u> h-F-450	
29. Rated Heating Capacity <u>1.0</u> h-F-450	
30. Recirculator cooling? <u>Y</u>	(Y/N)
31. CF-1X Attached? <u>Y</u>	(Y/N)

EEM Form Revised September 1988 Page 2 of 69

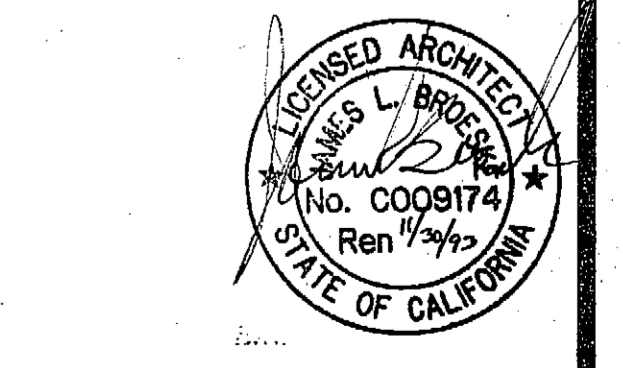
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1	BLDG DEPT.

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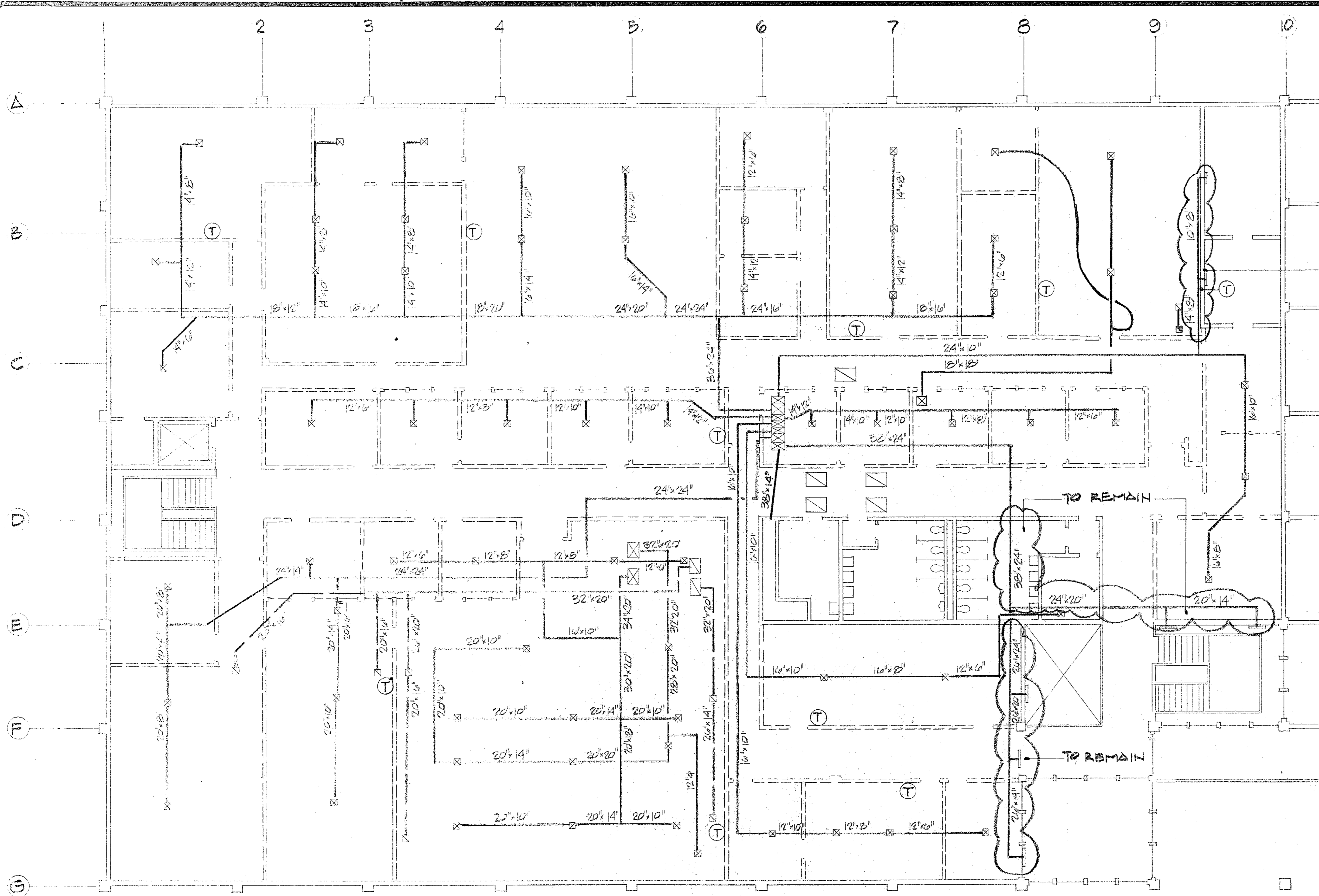
**RIVERSIDE Library Headquarters**  
 3021 Franklin Street  
 Riverside, Ca.

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 JOB NO.:  
 SHEET:  
**M-1**  
 OF SHEETS



**S. & W. ENGINEERING INC.**  
 3721 tibbetts street Riverside, California  
 telephone 682-0223

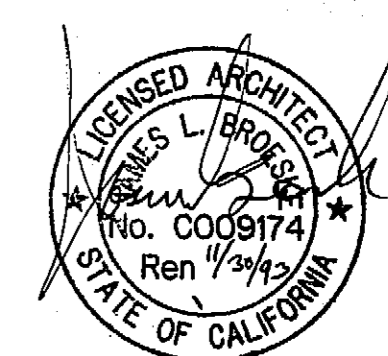




**MECHANICAL - SECOND FLOOR PLAN  
DEMOLITION**  
SCALE: 1/8" = 1'-0"

**DEMOLITION NOTES SHEET M-2**

- 1 REMOVE ALL SUPPLY AIR DUCTWORK, RISERS, DIFFUSERS AND CONTROLS EXCEPT AS NOTED. EXISTING DIFFUSERS MAY BE RE USED FOR NEW WORK, SEE SPECIFICATIONS.
- 2 REMOVE ALL RETURN AIR DUCTWORK, RISERS AND REGISTERS.



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telephone 682-0223

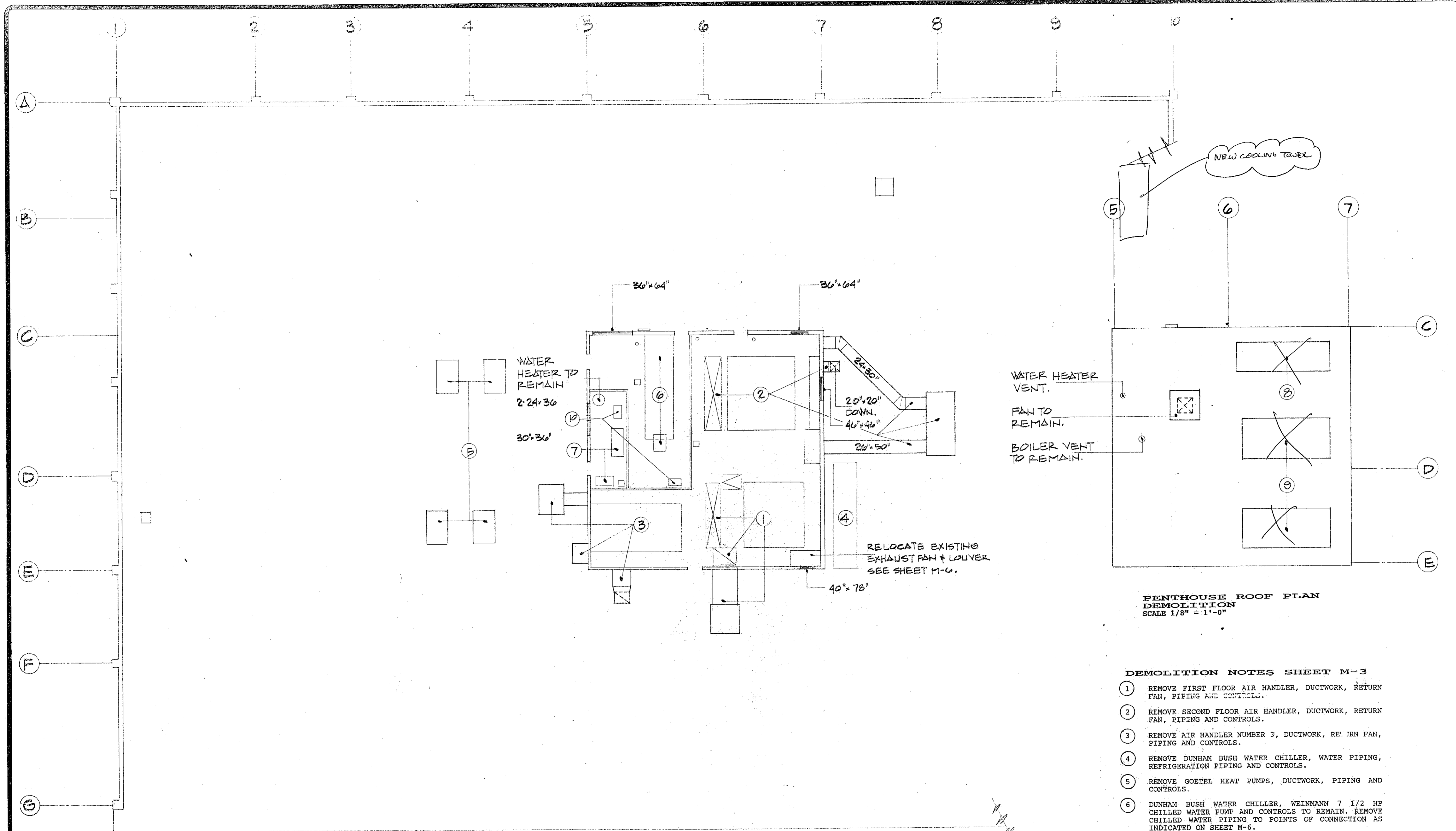
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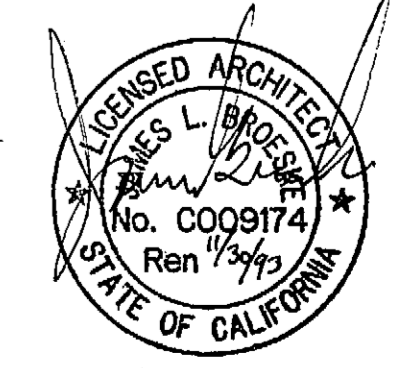
**MECHANICAL - ROOF AND PENTHOUSE PLAN  
DEMOLITION**  
SCALE: 1/8" = 1'-0"

**PENTHOUSE ROOF PLAN  
DEMOLITION**  
SCALE 1/8" = 1'-0"

**DEMOLITION NOTES SHEET M-3**

- ① REMOVE FIRST FLOOR AIR HANDLER, DUCTWORK, RETURN FAN, PIPING AND CONTROLS.
- ② REMOVE SECOND FLOOR AIR HANDLER, DUCTWORK, RETURN FAN, PIPING AND CONTROLS.
- ③ REMOVE AIR HANDLER NUMBER 3, DUCTWORK, RETURN FAN, PIPING AND CONTROLS.
- ④ REMOVE DUNHAM BUSH WATER CHILLER, WATER PIPING, REFRIGERATION PIPING AND CONTROLS.
- ⑤ REMOVE GOETEL HEAT PUMPS, DUCTWORK, PIPING AND CONTROLS.
- ⑥ DUNHAM BUSH WATER CHILLER, WEINMANN 7 1/2 HP CHILLED WATER PUMP AND CONTROLS TO REMAIN. REMOVE CHILLED WATER PIPING TO POINTS OF CONNECTION AS INDICATED ON SHEET M-6.
- ⑦ RITE # 76 HOT WATER BOILER, WEINMANN 1 1/2g, 1 1/2HP HOT WATER PUMP AND CONTROLS TO REMAIN. REMOVE HOT WATER PIPING TO POINTS OF CONNECTION AS INDICATED ON SHEET M-6.
- ⑧ REMOVE DUNHAM BUSH AIR COOLED CONDENSER: PIPING AND CONTROLS.
- ⑨ ~~MCGUAY AIR COOLED CONDENSERS, PIPING AND CONTROLS TO REMAIN.~~
- ⑩ AIR COMPRESSOR TO REMAIN.

\* DEMO CONDENSERS AND REPLACE WITH NEW COOLING TOWER AT NORTH WEST CORNER OF ROOF (MAIN ROOF). NO MECHANICAL EQUIP LEFT ON PENTHOUSE ROOF W/EXCEPTION OF VENTS.



S. & W. ENGINEERING INC.  
3721 TIBBETTS STREET • RIVERSIDE, CALIFORNIA  
TELEPHONE 682-0223

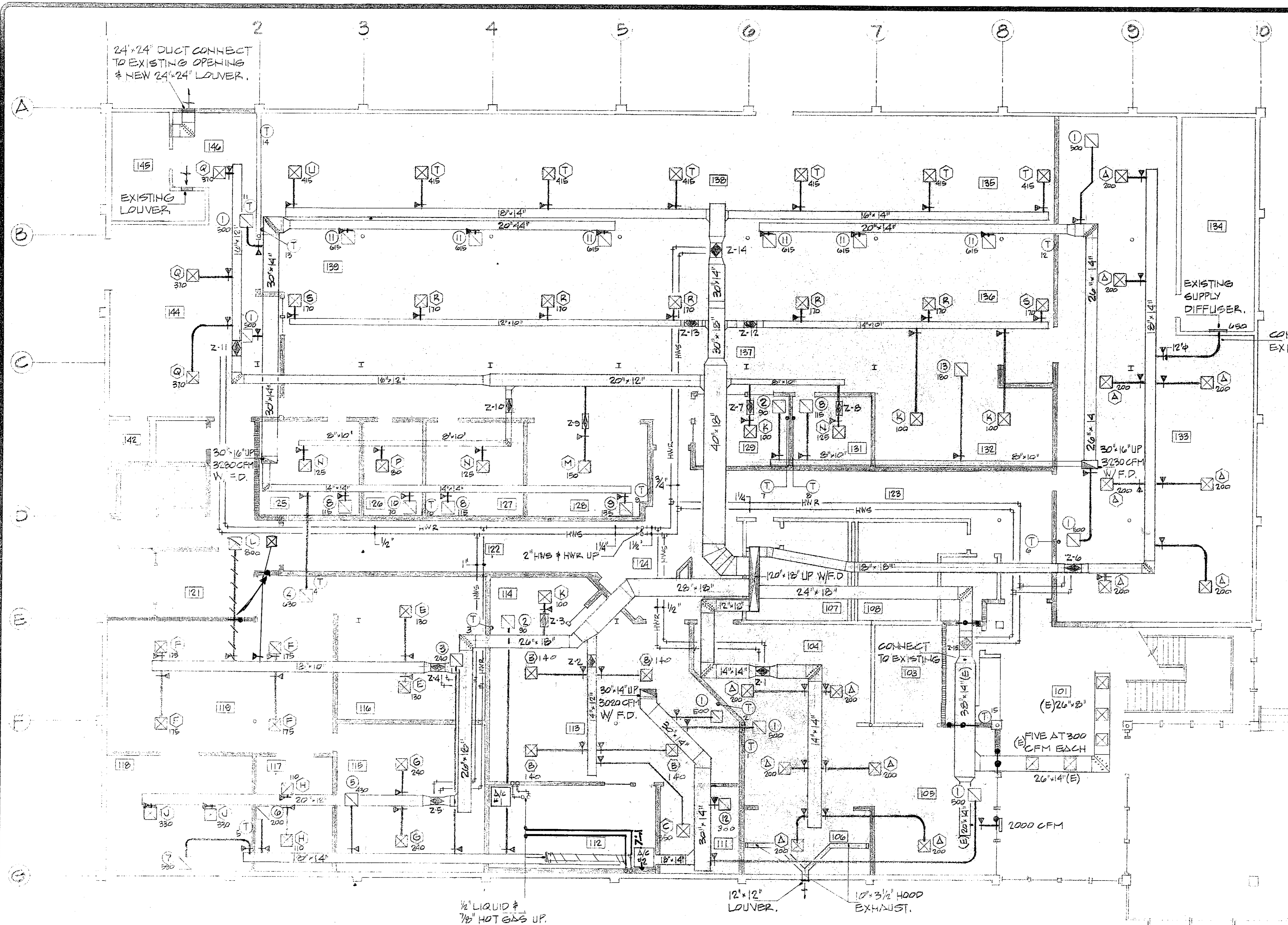
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**MECHANICAL - FIRST FLOOR PLAN**  
 NEW WORK  
 SCALE: 1/8" = 1'-0"

**FIRST FLOOR SUPPLY DIFFUSERS**

MARK	CFM	SIZE	THROW	DUCT	REMARKS
130	10 x 10	4842	8"		WITH FILLER PANEL
140	8 x 8	4842	7"		WITH FILLER PANEL
150	14 x 14	4842	10"		WITH FILLER PANEL
160	8 x 8	4842	8"		WITH FILLER PANEL
170	8 x 8	4842	7"		WITH FILLER PANEL
175	8 x 8	4842	8"		WITH FILLER PANEL
180	10 x 10	4842	9"		WITH FILLER PANEL
110	8 x 8	4842	7"		WITH FILLER PANEL
130	14 x 14	4842	10"		WITH FILLER PANEL
100	8 x 8	4842	6"		WITH FILLER PANEL
800	18 x 18	4842	7"		WITH FILLER PANEL
150	8 x 8	4842	7"		WITH FILLER PANEL
125	8 x 8	4842	7"		WITH FILLER PANEL
80	6 x 6	4842	6"		WITH FILLER PANEL
370	14 x 14	4842	10"		WITH FILLER PANEL
170	8 x 8	4842	8"		WITH FILLER PANEL
175	8 x 8	4842	8"		WITH FILLER PANEL
415	14 x 14	4842	10"		WITH FILLER PANEL
415	14 x 14	4842	10"		WITH FILLER PANEL

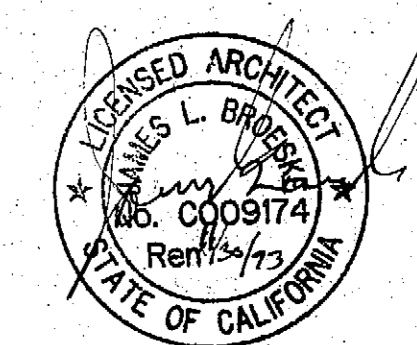
**FIRST FLOOR RETURN REGISTERS**

MARK	CFM	SIZE	DEFL.	DUCT	REMARKS
100	14 x 14	45"	12"		WITH FILLER PANEL
90	6 x 6	45"	6"		WITH FILLER PANEL
240	10 x 10	45"	9"		WITH FILLER PANEL
630	14 x 14	45"	12"		WITH FILLER PANEL
430	12 x 12	45"	10"		WITH FILLER PANEL
200	10 x 10	45"	8"		WITH FILLER PANEL
590	1 x 14	45"	12"		WITH FILLER PANEL
115	1 x 8	45"	7"		WITH FILLER PANEL
135	1 x 8	45"	7"		WITH FILLER PANEL
70	6 x 6	45"	6"		WITH FILLER PANEL
615	14 x 14	45"	12"		WITH FILLER PANEL
300	12 x 12	45"	10"		WITH FILLER PANEL
180	10 x 10	45"	8"		WITH FILLER PANEL

**FIRST FLOOR ZONE SCHEDULE**

ZONE NO.	ROOM NOS.	CFM	SIZE	H.W. HEATING COILS				
				EXT.	LAT.	HEAVY	CFM	ROWS
1	104-105-106	1200	12" OVAL	65"	80"	19.0	1.9	1
2	113-111	910	10" RD.	NONE				
3	114	100	6" RD.	NONE				
4	116-119-121	1760	14" OVAL	65"	71"	12.0	1.2	1
5	115-117-118	1360	12" OVAL	65"	86"	31.0	3.1	
6	123-124	2250	14" OVAL	65"	76"	26.0	2.6	1
7	129	100	6" RD.	NONE				
8	131	125	6" RD.	NONE				
9	128	150	6" RD.	NONE				
10	127-126-125	330	6" RD.	NONE				
11	144-146	1110	12" OVAL	65"	82"	21.0	2.1	1
12	137 NO.-132	710	10" RD.	NONE				
13	137 SOUTH	680	8" RD.	NONE				
14	135-138-139	2905	16" OVAL	65"	82"	55.0	5.5	1
15	101-102	3500	16" OVAL	65"	81"	59.0	5.9	1

NOTE: ALL HOT WATER TEMPERATURES ARE 180° ENTERING AND 160° LEAVING.  
 MIN CFM TO BE 50% OF MAXIMUM CFM SCHEDULED  
 COIL PIPING CONNECTIONS  
 ZONE 1 1.9 GPM 1/2" PIPE AND VALVE  
 ZONE 4 1.2 GPM 1/2" PIPE AND VALVE  
 ZONE 5 3.1 GPM 3/4" PIPE AND 1/2" VALVE  
 ZONE 6 2.6 GPM 1/2" PIPE AND VALVE  
 ZONE 11 2.1 GPM 1/2" PIPE AND VALVE  
 ZONE 14 5.9 GPM 1" PIPE AND 3/4" VALVE  
 ZONE 15 5.9 GPM 1" PIPE AND 3/4" VALVE



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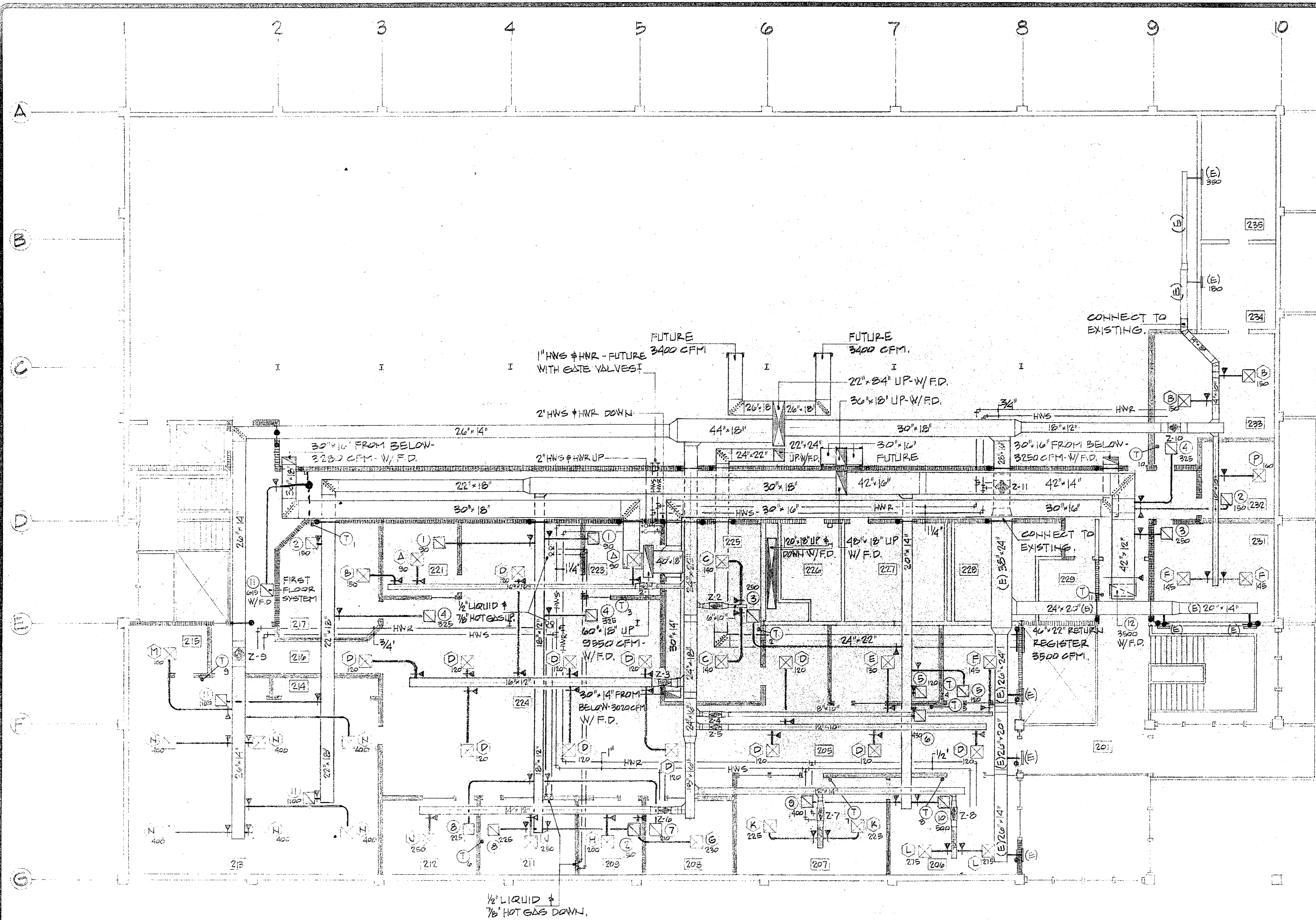
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**MECHANICAL - SECOND FLOOR PLAN**  
**NEW WORK**  
**SCALE: 1/8" = 1'-0"**

**SECOND FLOOR SUPPLY DIFFUSERS**

MARK	CFM	SIZE	THROW	DUCT	REMARKS
①	90	6" x 6"	45"	6"	WITH FILLER PANEL
②	150	8" x 8"	45"	7"	WITH FILLER PANEL
③	140	8" x 8"	45"	7"	WITH FILLER PANEL
④	130	8" x 8"	45"	7"	WITH FILLER PANEL
⑤	130	8" x 8"	45"	7"	WITH FILLER PANEL
⑥	145	8" x 8"	45"	7"	WITH FILLER PANEL
⑦	230	10" x 10"	45"	9"	WITH FILLER PANEL
⑧	200	10" x 10"	45"	9"	WITH FILLER PANEL
⑨	250	10" x 10"	45"	9"	WITH FILLER PANEL
⑩	250	10" x 10"	45"	9"	WITH FILLER PANEL
⑪	225	10" x 10"	45"	9"	WITH FILLER PANEL
⑫	275	10" x 10"	45"	9"	WITH FILLER PANEL
⑬	100	6" x 6"	45"	6"	WITH FILLER PANEL
⑭	400	12" x 12"	45"	10"	WITH FILLER PANEL
⑮	160	8" x 8"	45"	7"	WITH FILLER PANEL

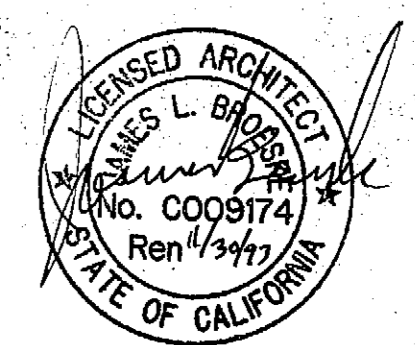
**SECOND FLOOR RETURN REGISTERS**

MARK	CFM	SIZE	DEFL.	DUCT	REMARKS
①	90	1' x 6"	45°	6"	WITH FILLER PANEL
②	150	1' x 8"	45°	7"	WITH FILLER PANEL
③	250	10" x 10"	45°	9"	WITH FILLER PANEL
④	325	12" x 12"	45°	10"	WITH FILLER PANEL
⑤	120	8" x 8"	45°	7"	WITH FILLER PANEL
⑥	430	14" x 14"	45°	12"	WITH FILLER PANEL
⑦	510	16" x 16"	45°	14"	WITH FILLER PANEL
⑧	225	10" x 10"	45°	9"	WITH FILLER PANEL
⑨	400	14" x 14"	45°	12"	WITH FILLER PANEL
⑩	500	14" x 14"	45°	12"	WITH FILLER PANEL
⑪	1100	20" x 20"	45°	16"	WITH FILLER PANEL
⑫	3500	46" x 22"	45°	42" x 12"	WITH FILLER PANEL

**SECOND FLOOR ZONE SCHEDULE**

ZONE NO.	ROOM NOS.	MAX CFM	SIZE	ENT. LAT.	DEF. LAT.	H.W. COILS	REMARKS
1	217-221-233	330	6" RD.	NONE			
2	225	280	6" RD.	NONE			
3	224	840	10" RD.	NONE			
4	202-203	275	6" RD.	NONE			
5	205	480	8" RD.	NONE			
6	208-209-210, AND 212	930	10" RD.	65°	85°	20.0	2.0 1
7	207	450	8" RD.	65°	83°	8.7	.9 1
8	206	550	8" RD.	65°	77°	7.4	.8 1
9	213-215	2500	16" OVAL	65°	77°	33.0	3.3 1
10	231-232-233 AND 235	1385	12" OVAL	65°	93°	40.0	4.0 1
11	201	3400	16" OVAL	65°	82°	64.0	6.4 1
FUT.	236 WEST	3400	FUT.			79.0	7.9
FUT.	236 INTER.	3400				NONE	

NOTE: ALL HOT WATER TEMPERATURES ARE 180° ENTERING AND 160° LEAVING.  
 MIN CFM TO BE 50% OF MAXIMUM CFM SCHEDULED.  
 COIL TYPING CONNECTIONS:  
 ZONE 6 2.0 GPM 1/4" PIPE AND VALVE  
 ZONE 7 0.9 GPM 1/2" PIPE AND VALVE  
 ZONE 8 0.8 GPM 1/2" PIPE AND VALVE  
 ZONE 9 3.3 GPM 3/4" PIPE AND 1/2" VALVE  
 ZONE 10 4.0 GPM 3/4" PIPE AND 1/2" VALVE  
 ZONE 11 6.4 GPM 1" PIPE AND 3/4" VALVE  
 ZONE 15 5.3 GPM 1" PIPE AND 3/4" VALVE  
 ZONE 9 7.9 GPM 1" PIPE



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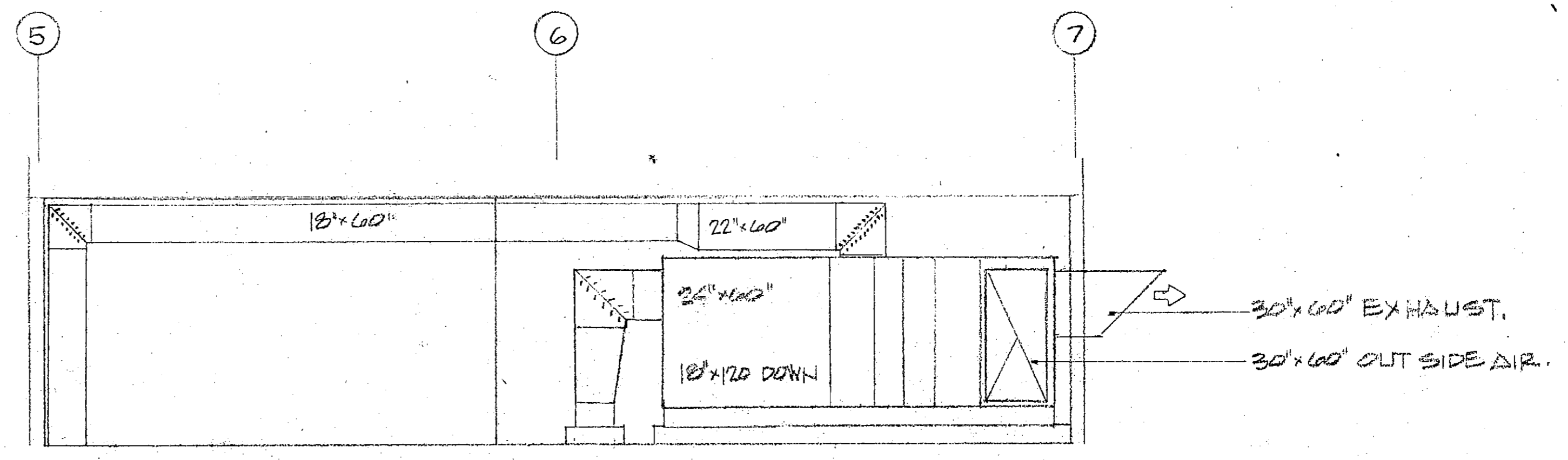
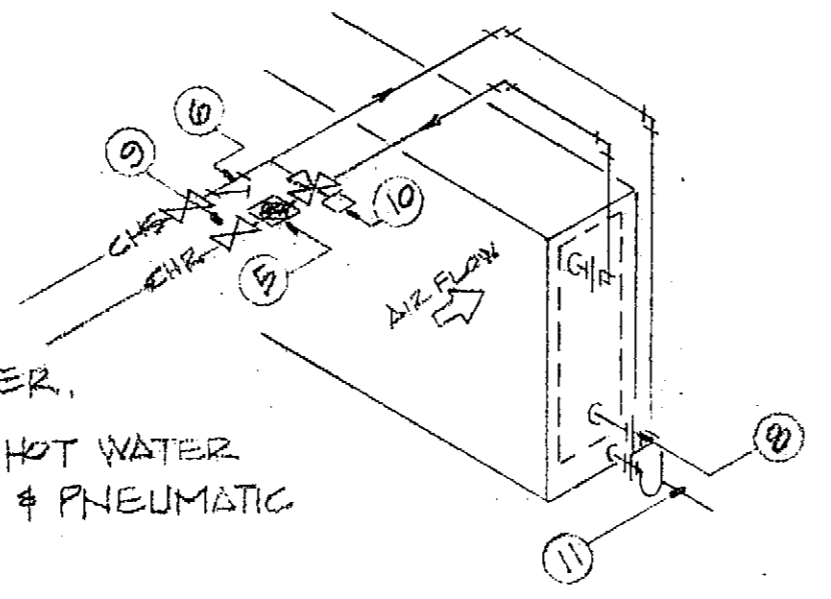
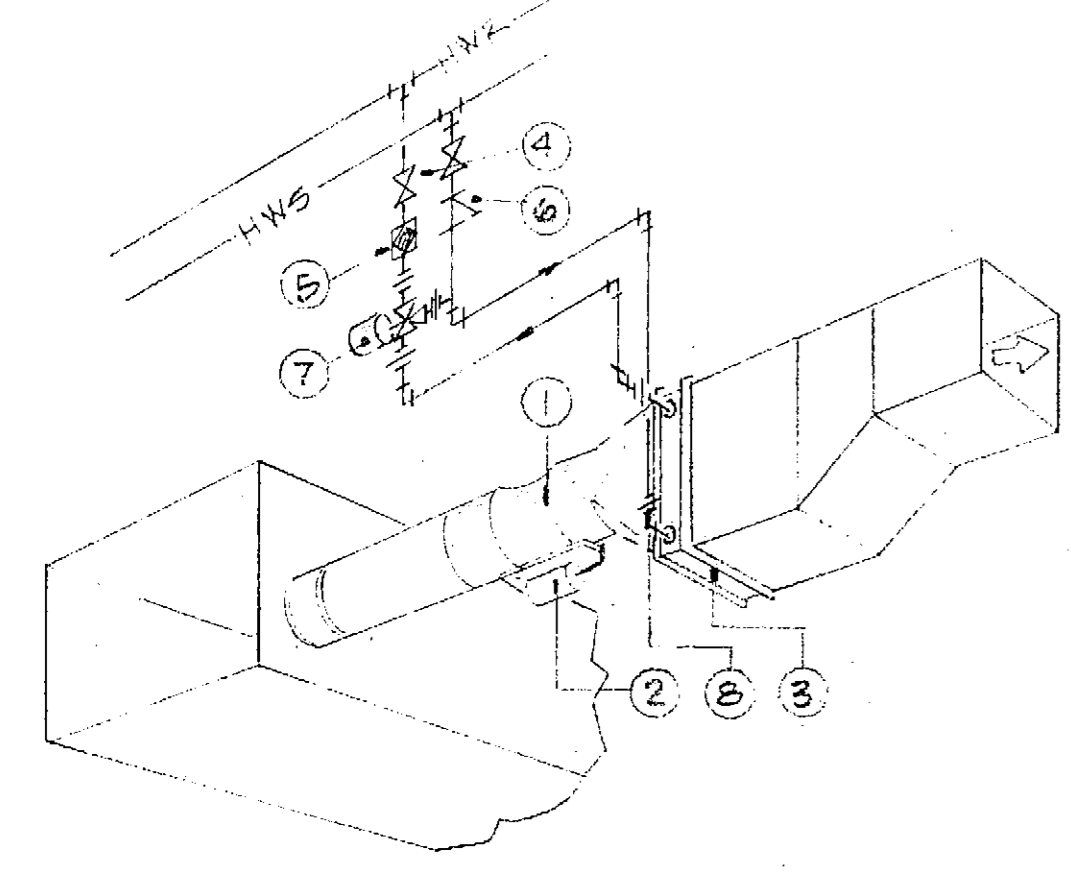
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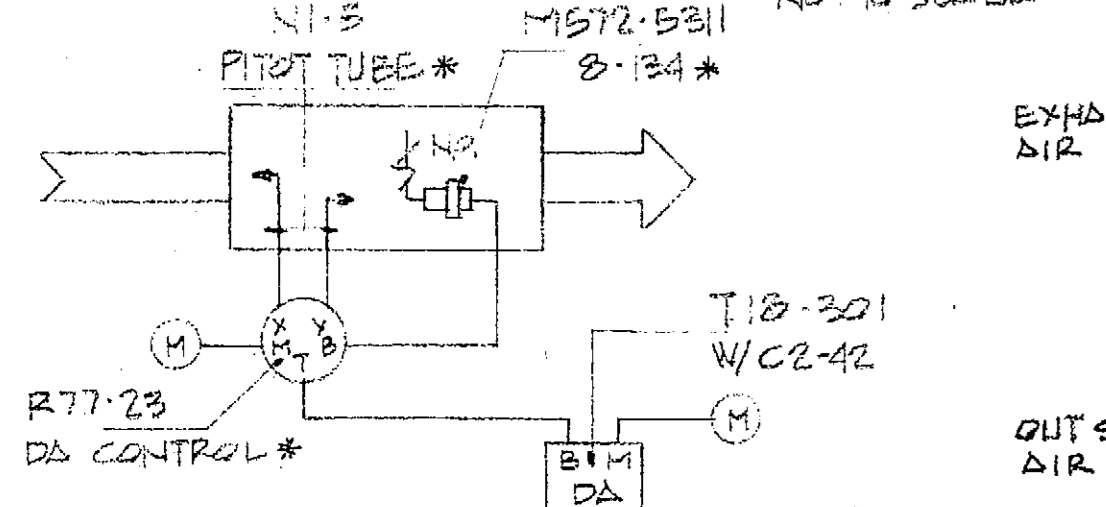
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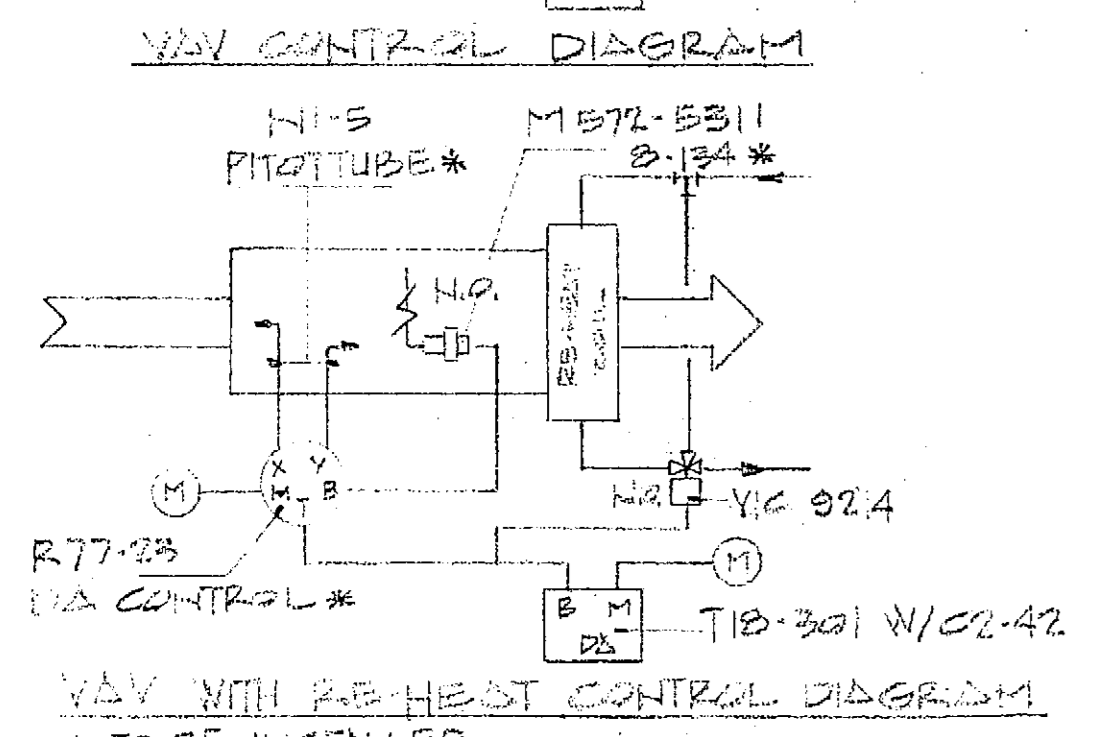
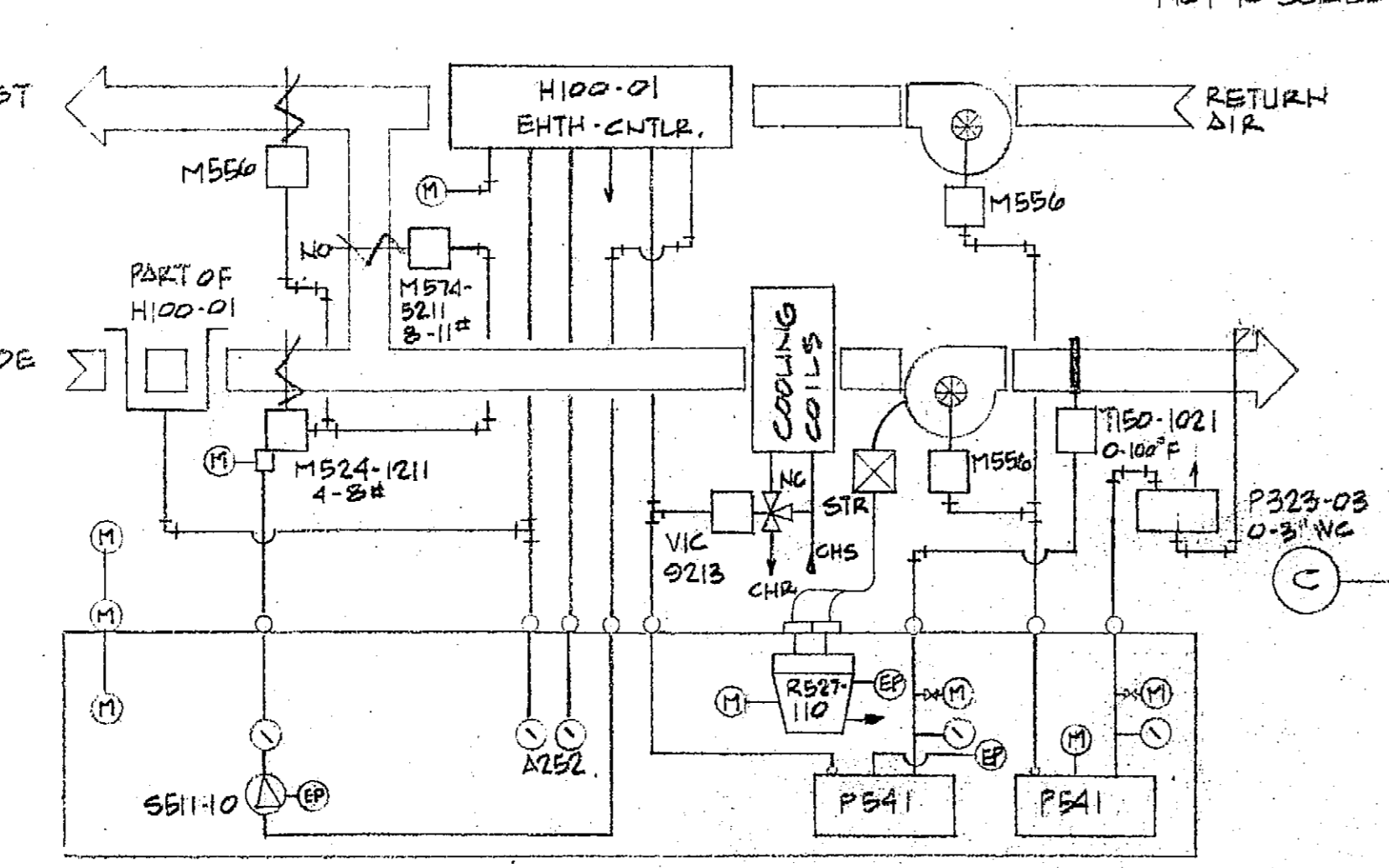
- 1 VARIABLE AIR VOLUME DAMPER (VAV).
- 2 PNEUMATIC DAMPER OPERATOR.
- 3 HOT WATER ZONE HEATING COIL.
- 4 HOT WATER COIL SHUT OFF GATE VALVES.
- 5 FLOW CONTROL VALVE.
- 6 WYE TYPE PIPE STRAINER.
- 7 AUTOMATIC THREE WAY HOT WATER ZONE CONTROL VALVE & PNEUMATIC OPERATOR.
- 8 PIPE UNION - TYPICAL.
- 9 GATE VALVES.
- 10 AUTOMATIC THREE WAY CHILLED WATER VALVE & PNEUMATIC OPERATOR.
- 11 CONDENSATE DRAIN TO FLOOR SINK.



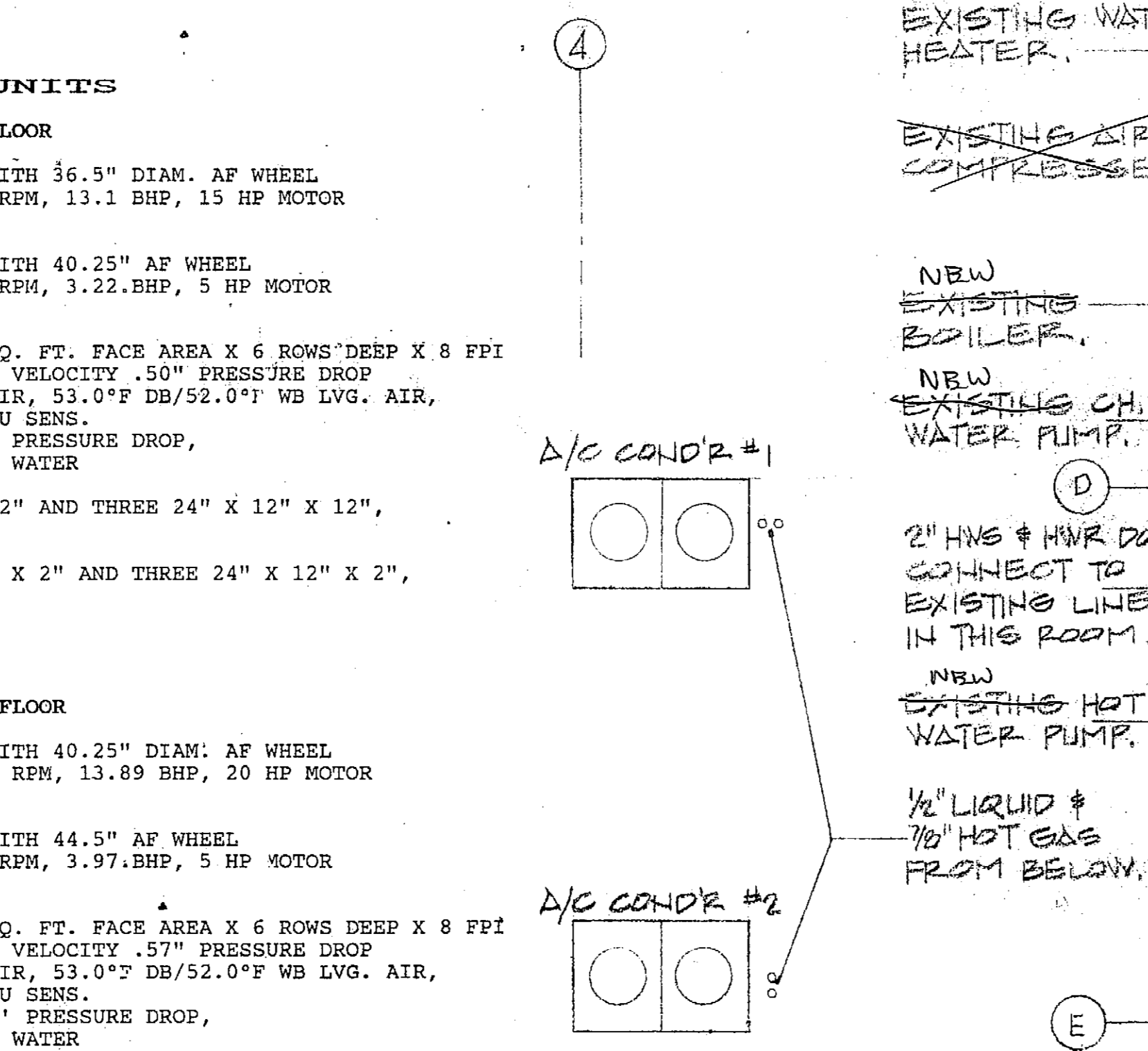
**RE-HEAT COIL CONNECTION**



**CHILLED WATER COIL CONNECTION**



**AIR HANDLER CONTROL DIAGRAM**



**AIR HANDLING UNITS**

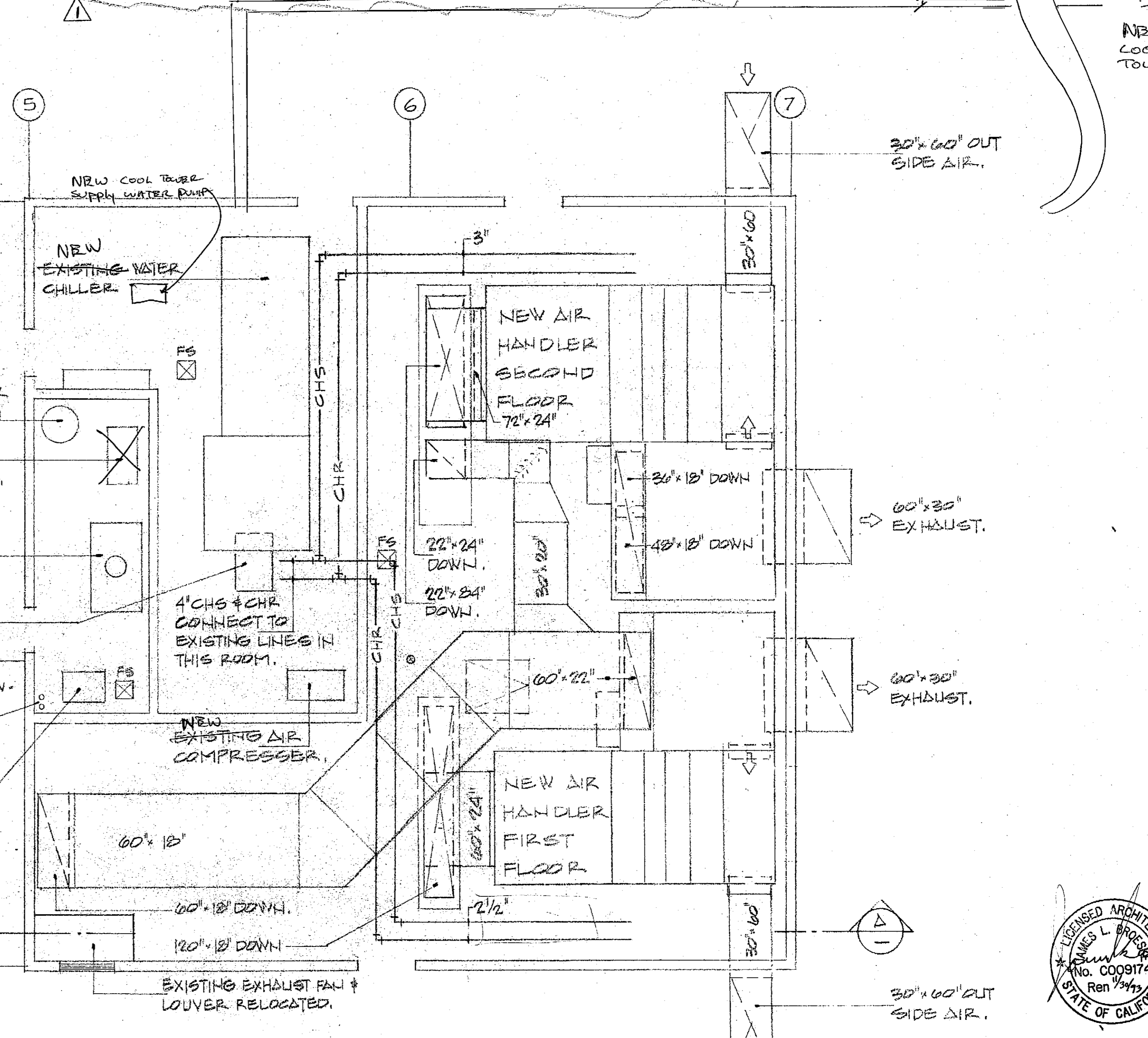
**AIR HANDLER NO. 1 - FIRST FLOOR**  
 SUPPLY AIR FAN = PACE P36 WITH 36.5" DIAM. AF WHEEL  
 15,000 CFM, 3.5" S.P., 948 RPM, 13.1 BHP, 15 HP MOTOR WITH CONICAL INLET VANES  
 RETURN AIR FAN = PACE P40 WITH 40.25" AF WHEEL  
 13,000 CFM, 1.0" S.P., 491 RPM, 3.22 BHP, 5 HP MOTOR WITH CONICAL INLET VANES  
 COOLING COILS = TWO 14.45 SQ. FT. FACE AREA X 6 ROWS DEEP X 8 FPI  
 15,000 C.F.M., 519 FPM FACE VELOCITY .50" PRESSURE DROP  
 76.0°F DB/61.0°F WB ENT'G AIR, 53.0°F DB/52.0°F WB LGV. AIR,  
 385.8 MBTU TOTAL, 376.1 MBTU SENS.  
 77 GPM CHILLED WATER, 4.11' PRESSURE DROP,  
 45°F ENT'G WATER, 55°F LGV. WATER  
 FILTERS = SIX 24" X 24" X 12" AND THREE 24" X 12" X 12",  
 FARR HP 200  
 PRE FILTERS = SIX 24" X 24" X 2" AND THREE 24" X 12" X 2",  
 FARR 30/30  
 WEIGHT = 9300 POUNDS.

**AIR HANDLER NO. 2 - SECOND FLOOR**  
 SUPPLY AIR FAN = PACE P40 WITH 40.25" DIAM. AF WHEEL  
 18,000 CFM, 3.5" S.P., 1002 RPM, 13.89 BHP, 20 HP MOTOR WITH CONICAL INLET VANES  
 RETURN AIR FAN = PACE P44 WITH 44.5" AF WHEEL  
 16,000 CFM, 1.0" S.P., 445 RPM, 3.97 BHP, 5 HP MOTOR WITH CONICAL INLET VANES  
 COOLING COILS = TWO 19.25 SQ. FT. FACE AREA X 6 ROWS DEEP X 8 FPI  
 18,000 C.F.M., 468 FPM FACE VELOCITY .57" PRESSURE DROP  
 77.0°F DB/62.0°F WB ENT'G AIR, 53.0°F DB/52.0°F WB LGV. AIR,  
 520.0 MBTU TOTAL, 470.9 MBTU SENS.  
 104 GPM CHILLED WATER, 6.82' PRESSURE DROP,  
 45°F ENT'G WATER, 55°F LGV. WATER  
 FILTERS = EIGHT 24" X 24" X 12" AND FOUR 24" X 12" X 12",  
 FARR HP 200  
 PRE FILTERS = EIGHT 24" X 24" X 2" AND FOUR 24" X 12" X 2",  
 FARR 30/30  
 WEIGHT = 10500 POUNDS

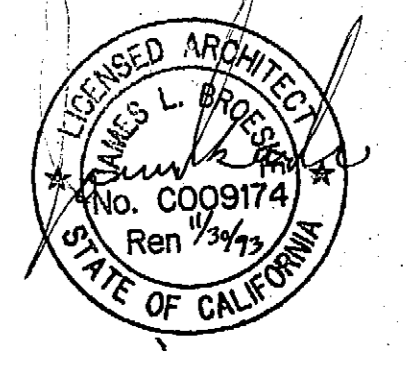
**NOTE:** AUTOMATIC SHUT-OFF & SMOKE DETECTOR WILL BE PROVIDED IN RETURN AIR DUCTS - SEE SPECS.

**SECTION**

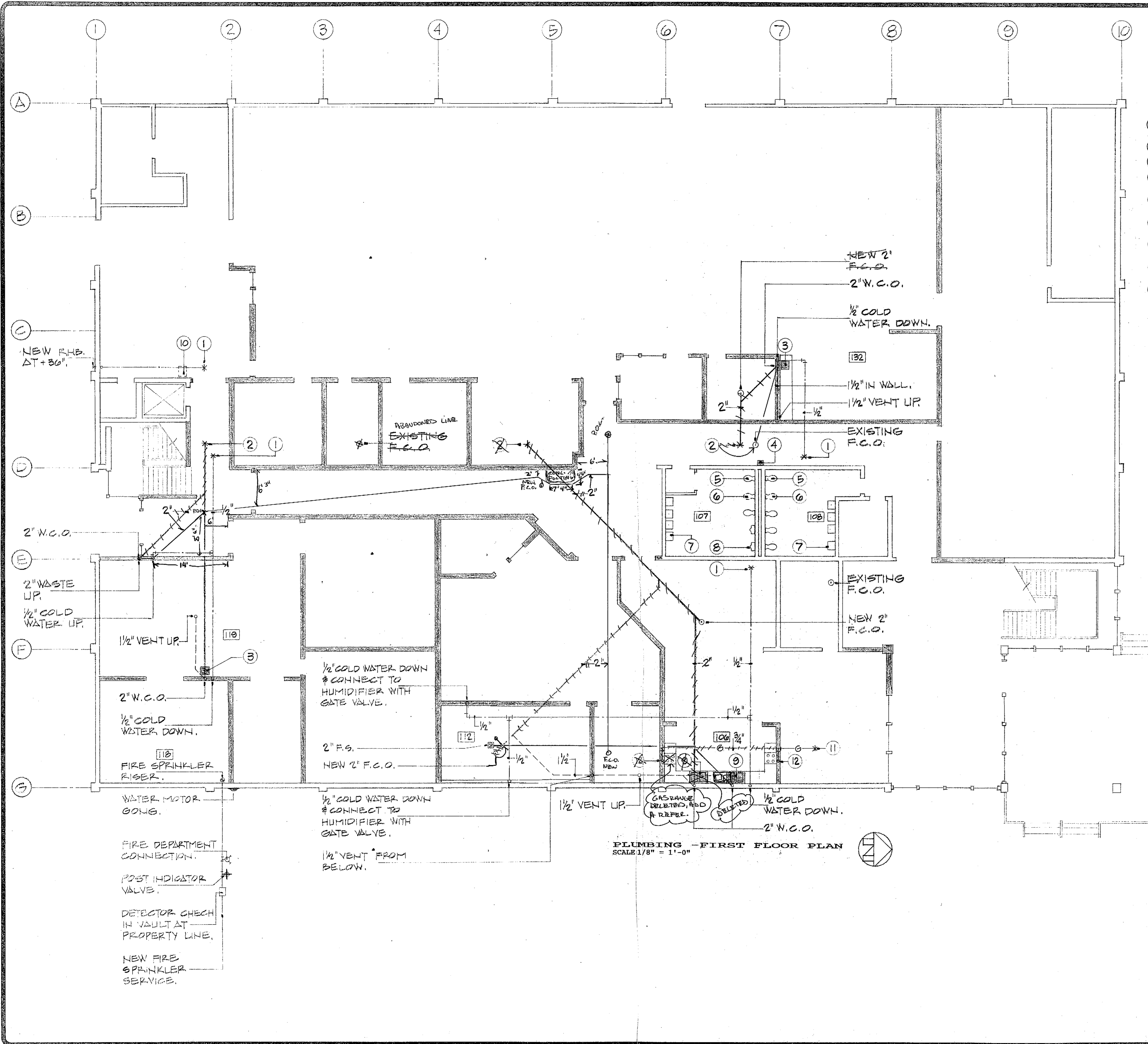
NOTE: THE EFFICIENCY OF ALL EXISTING HVAC EQUIPMENT IS TO BE VERIFIED FOR CERTIFICATION BY THE FIELD INSPECTOR.



**MECHANICAL - ROOF AND PENTHOUSE PLAN**  
 NEW WORK  
 SCALE: 1/8" = 1'-0"



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**NOTES FOR SHEET P-1**

- ① NEW 1/2" COLD WATER CONNECT TO EXISTING COLD WATER MAIN ABOVE CEILING.
- ② NEW 2" WASTE CONNECT TO EXISTING WASTE BELOW FLOOR
- ③ NEW SINK AND ELECTRIC WATER HEATER
- ④ REMOVE EXISTING ELECTRIC WATER COOLER AND REPLACE WITH HANDICAPPED TYPE
- ⑤ REMOVE EXISTING WATER CLOSET SEAT AND INSTALL NEW HANDICAPPED TYPE HIGH RISE SEAT
- ⑥ REMOVE EXISTING WATER CLOSET AND CAP ALL CONNECTIONS BELOW FINISHED SURFACES
- ⑦ REMOVE AND RESET EXISTING LAVATORY FOR HANDICAPPED USE AND INSTALL NEW FAUCET FOR HANDICAPPED
- ⑧ REMOVE AND RESET EXISTING URINAL FOR HANDICAPPED USE
- ⑨ NEW DOUBLE SINK WITH GARBAGE DISPOSAL AND ELECTRIC WATER HEATER
- ⑩ REMOVE EXISTING SERVICE SINK AND CAP ALL CONNECTIONS BELOW FINISHED SURFACES
- ⑪ CONNECT 3/4" GAS TO EXISTING GAS MAIN ABOVE CEILING
- ⑫ 3/4" GAS DOWN AND CONNECT TO RANGE WITH GAS SHUT OFF VALVE

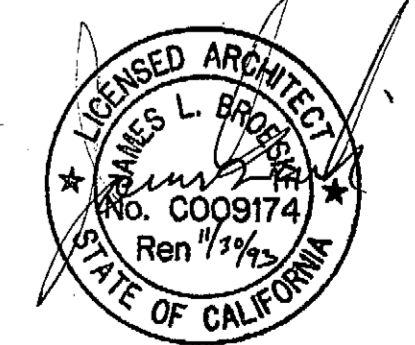
**PLUMBING - FIRST FLOOR PLAN**  
SCALE 1/8" = 1'-0"

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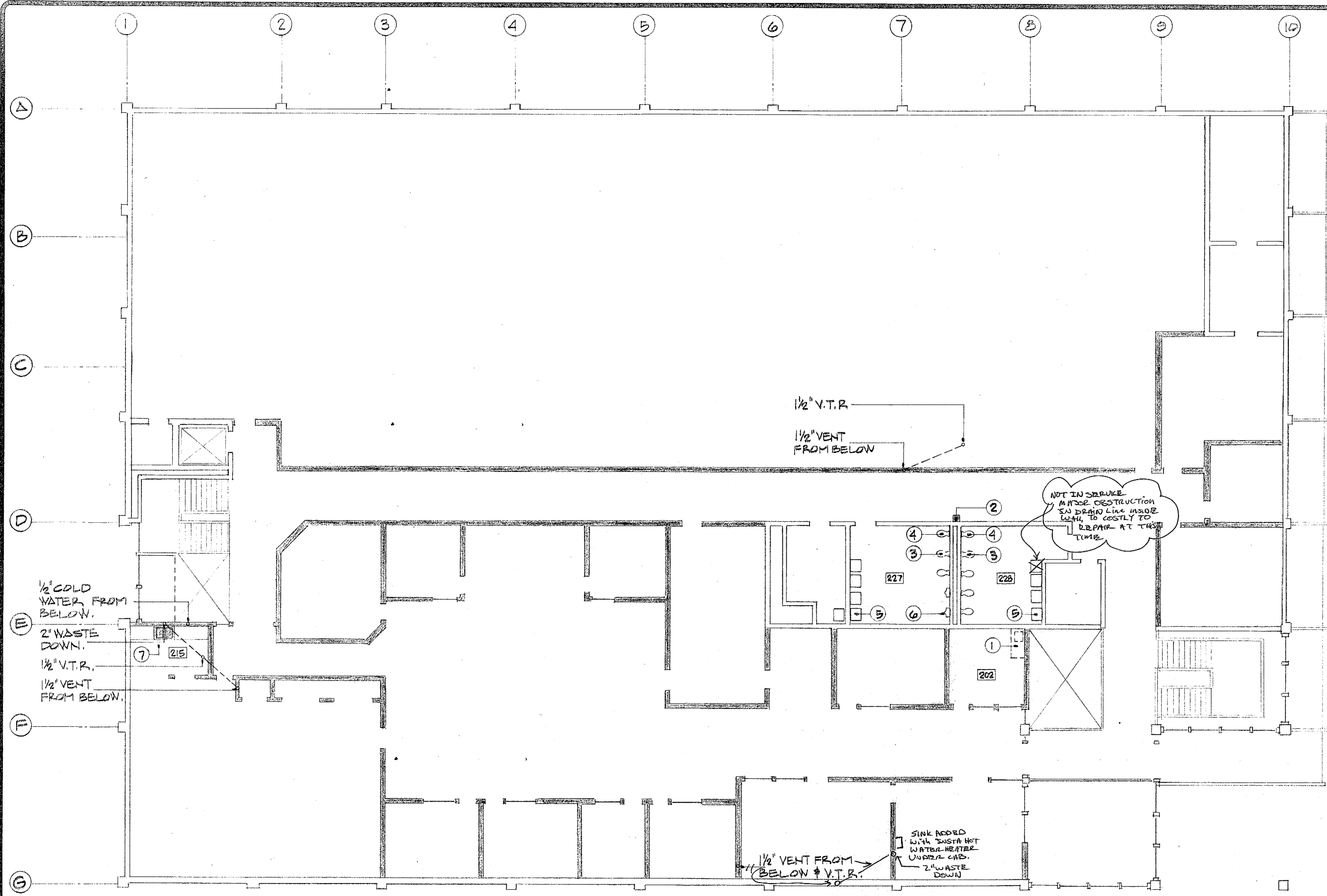
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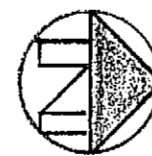


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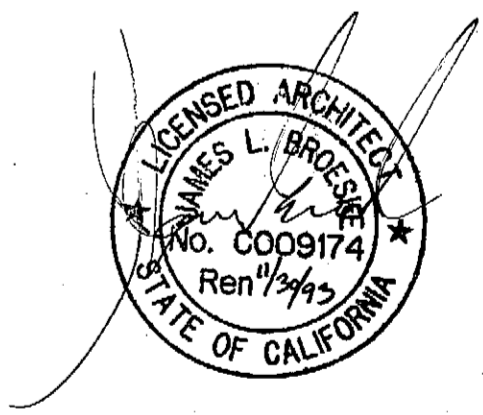


PLUMBING - SECOND FLOOR PLAN  
SCALE 1/8" = 1'-0"



NOTES FOR SHEET P-2

- ① REMOVE EXISTING SINK AND CAP ALL CONNECTIONS BELOW FINISHED SURFACES
- ② REMOVE EXISTING ELECTRIC WATER COOLER AND REPLACE WITH HANDICAPPED TYPE
- ③ REMOVE EXISTING WATER CLOSET AND CAP ALL CONNECTIONS BELOW FINISHED SURFACES
- ④ REMOVE EXISTING WATER CLOSET SEAT AND INSTALL NEW HANDICAPPED TYPE HIGH RISE SEAT
- ⑤ REMOVE AND RESET EXISTING LAVATORY FOR HANDICAPPED USE AND INSTALL NEW FAUCET FOR HANDICAPPED USE
- ⑥ REMOVE AND RESET EXISTING URINAL FOR HANDICAPPED USE
- ⑦ NEW DOUBLE SINK WITH GARBAGE DISPOSAL AND ELECTRIC WATER HEATER



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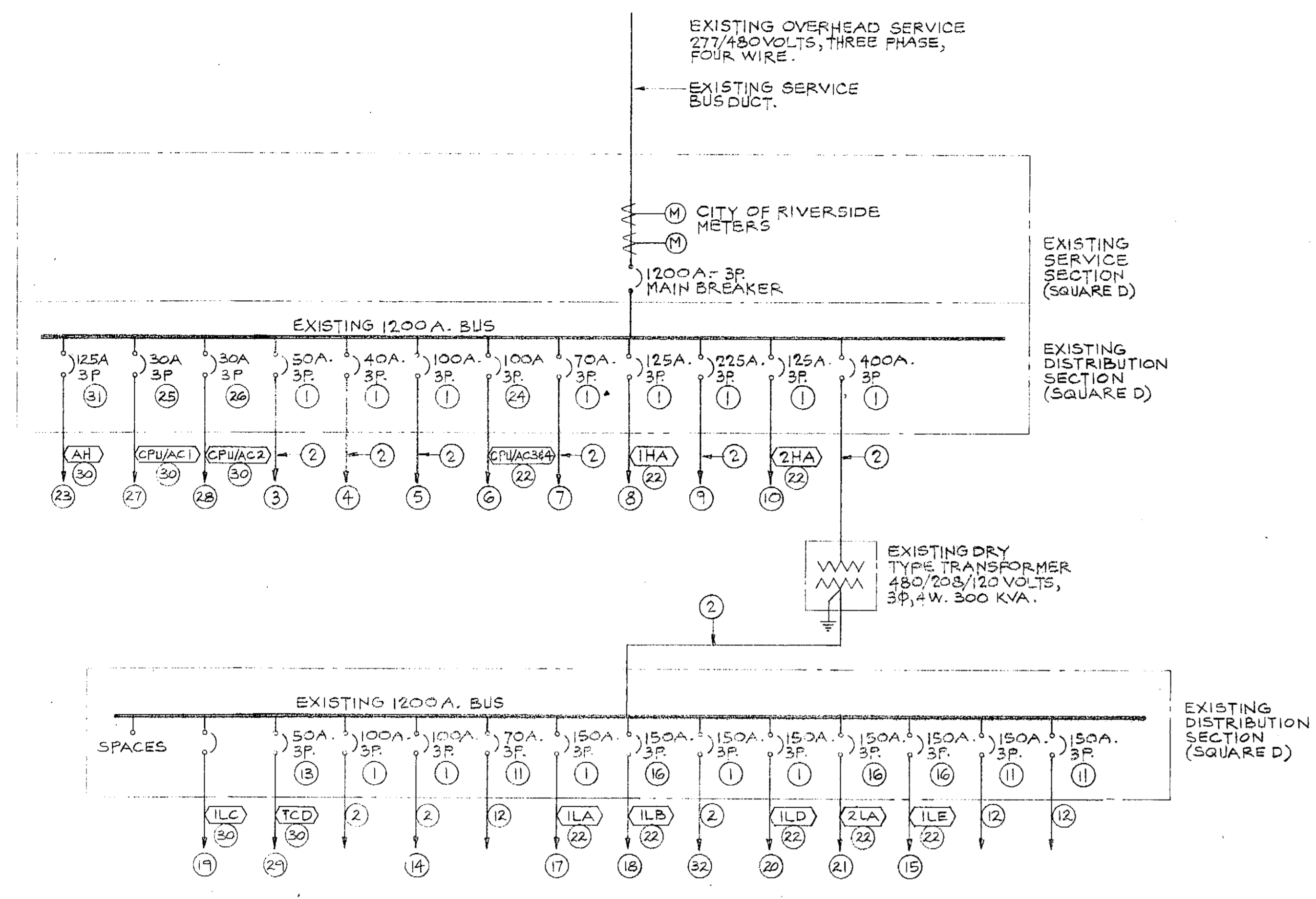
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**SINGLE LINE DIAGRAM** [Symbol]

FURNISH AND INSTALL NEW NAMEPLATES WITH NEW DESIGNATIONS AS REQUIRED. SEE SPEC'S.

**LOAD SUMMARY**

NEW LOAD	322 KW
EXISTING LOAD*	170 KW
TOTAL CONNECTED LOAD	492 KW OR 593 AMPS @ 480V, 3Ø

\* ESTIMATED

- REFERENCE NOTES**
- ① EXISTING BREAKER TO REMAIN.
  - ② EXISTING FEEDER TO REMAIN.
  - ③ EXISTING PANEL 1PSW TO REMAIN.
  - ④ EXISTING ELEVATOR TO REMAIN.
  - ⑤ EXISTING FAN ROOM TO REMAIN.
  - ⑥ EXISTING COMPUTER BEING REMOVED. NEW CPU/AC #3 & #4.
  - ⑦ EXISTING PANEL IMPL TO REMAIN.
  - ⑧ NEW PANEL 1HA.
  - ⑨ EXISTING COMPRESSOR UNIT TO REMAIN.
  - ⑩ NEW PANEL 2HA.
  - ⑪ DISCONNECT EXISTING FEEDER AND MARK BREAKER AS "SPARE".
  - ⑫ DISCONNECT AND REMOVE EXISTING FEEDER, (CONDUIT & WIRES).
  - ⑬ EXISTING "SPARE" BREAKER.
  - ⑭ EXISTING PANEL ISWA. TO REMAIN.
  - ⑮ NEW PANEL ILE.
  - ⑯ DISCONNECT AND REMOVE EXISTING BREAKER AND INSTALL NEW 225A-3P BREAKER AS REQ.
  - ⑰ NEW PANEL ILA.
  - ⑱ NEW PANEL ILB.
  - ⑲ NEW PANEL ILC.
  - ⑳ NEW PANEL ILD.
  - ㉑ NEW PANEL ZLA.
  - ㉒ DISCONNECT AND REMOVE EXISTING FEEDER AND INSTALL AND CONNECT NEW FEEDER AS REQ.
  - ㉓ NEW AIR HANDLERS AH-1 & AH-2.
  - ㉔ DISCONNECT AND REMOVE EXISTING BREAKER AND INSTALL NEW 30A-3P BREAKER AS REQUIRED.
  - ㉕ INSTALL NEW 30A-3P BREAKER IN EXISTING SPACE. LABEL AS: "AC UNIT NO 1".
  - ㉖ INSTALL NEW 30A-3P BREAKER IN EXISTING SPACE. LABEL AS: "AC UNIT NO 2".
  - ㉗ NEW COMPUTER ROOM AC UNIT NO. 1.
  - ㉘ NEW COMPUTER ROOM AC UNIT NO. 2.
  - ㉙ NEW PANEL TCD.
  - ㉚ CONNECT NEW FEEDER AS REQUIRED.
  - ㉛ INSTALL NEW 125A-3P BREAKER IN EXISTING SPACE LABEL AS: "AIR HANDLERS AH-1 & AH-2".

- ③② EXISTING PANEL IA TO REMAIN.
- ③③ INSTALL NEW 150A-3P BREAKER IN EXISTING SPACE. LABEL AS: "PANEL ILC".

**FEEDER & LOAD SCHEDULE**

REF NO.	FEEDER DESIGNATION	FEEDING # PHASE	VOLTAGE	LOAD KW	LOAD AMPS	FEEDER SIZE (COPPER CONDUCTORS ONLY)
⑥	(1HA)	PANEL 1HA	277/480, 3	29	35	4 # 1 1/2 # 6 GND, 2 1/2" C.
⑩	(2HA)	PANEL 2HA		15	18	4 # 1 # 1 # 6 GND, 2 1/2" C.
⑳	(CPU/AC1)	AC UNIT #1	480, 3	7	19	3 # 10 # 1 # 10 GND, 1" C.
㉑	(CPU/AC2)	AC UNIT #2		7	19	3 # 10 # 1 # 10 GND, 1" C.
㉒	(CPU/AC3&4)	AC UNITS 3&4		3	4	3 # 10 # 1 # 10 GND, 1" C.
⑬	(AH)	AIR HANDLING UNITS		51	63	3 # 2 # 1 # 8 GND, 2" C.
④	(ELEV)	ELEVATOR		(22)	(27)	EXISTING TO REMAIN
⑤	(FR)	FAN ROOM		(10)	(12)	
⑨	(CU)	COMPRESSOR UNIT		(114)	(144)	
-	(T-1)	TRANSFORMER		-	-	
⑦	(IMPLE)	PANEL IMPL	277/480, 3	(9)	(11)	
⑫	(IPSW)	PANEL IPSW		(5)	(6)	
③②	(IA)	PANEL IA		(5)	(14)	EXISTING TO REMAIN
⑭	(ISWA)	PANEL ISWA		(5)	(14)	EXISTING TO REMAIN
⑰	(ILA)	PANEL ILA	120/208, 3	34	94	4 # 1/0 # 1 # 2 GND, 2 1/2" C.
⑱	(ILB)	PANEL ILB		62	173	4 # 4/0 # 1 # 2 GND, 3" C.
⑲	(ILC)	PANEL ILC		26	71	4 # 1/0 # 1 # 2 GND, 2 1/2" C.
㉑	(ILD)	PANEL ILD		22	62	4 # 1/0 # 1 # 2 GND, 2 1/2" C.
⑮	(ILE)	PANEL ILE		16	44	4 # 4/0 # 1 # 2 GND, 3" C.
㉑	(ZLA)	PANEL ZLA		49	135	4 # 4/0 # 1 # 2 GND, 3" C.
㉒	(TCD)	PANEL TCD		1	3	4 # 6 # 1 # 8 GND, 1" C.

FIGURES ENCLOSED BY PARENTHESIS ( ) INDICATE ESTIMATED EXISTING LOADS TO REMAIN

**GENERAL NOTES**

1. MINIMUM WIRE SIZE FOR LINE VOLTAGE WIRING SHALL BE #12.
2. ALL CONDUIT SIZES SHALL CONFORM TO THE BASIC ELECTRICAL REGULATIONS OF THE CALIFORNIA ADMINISTRATIVE CODE, UNLESS NOTED AS LARGER.
3. SUBSCRIPTS, a,b,c, ETC., AT SWITCH SYMBOLS. ARE TO DISTINGUISH BETWEEN SWITCHES.
4. +4'-6" INDICATES A MOUNTING HEIGHT FROM FINISHED FLOOR TO CENTER OF EQUIPMENT OR OUTLET.
5. [Symbol] INDICATES: 1 = FIXTURE TYPE 2/40 = NUMBER OF LAMPS AND WATTAGE PER LAMP. ALSO NUMBER ADJACENT TO FIXTURE = CIRCUIT NUMBER AND LOWER CASE LETTER = CONTROLLING SWITCH.
6. M.H. INDICATES HEIGHT FROM FINISHED FLOOR TO BOTTOM OF FIXTURE.
7. ALL OUTLETS SHALL BE INSTALLED AT THE HEIGHTS INDICATED IN THE SYMBOLS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
8. REFER TO WIRING DIAGRAMS ON MECHANICAL DRAWINGS.
9. ALL SYMBOLS SHOWN IN SYMBOL LIST ARE NOT NECESSARILY USED ON THIS PROJECT.
10. EVERY OUTLET HEIGHT SHALL BE VERIFIED ON EACH WALL WITH THE ARCHITECTURAL DRAWINGS AND CABINET SHOP DRAWINGS TO INSURE THE PROPER HEIGHT AND LOCATION WITH RESPECT TO CABINETS, EQUIPMENT, CHALKBOARDS, TACKBOARDS, ETC.
11. COORDINATE WITH THE OTHER TRADES, IN ADVANCE OF CONSTRUCTION, THE CEILING AREAS IN WHICH RECESSED LIGHTING FIXTURES OCCUR. THIS SHALL INCLUDE PLUMBING, HEATING, AND VENTILATING, AIR CONDITIONING AND CARPENTRY. IN THE EVENT OF ANY CONFLICT, THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.
12. THE SYMBOL [Symbol] INDICATES CEILING MOUNTED, ONE-WAY ROOM SENSOR. THE SYMBOL [Symbol] INDICATES CEILING MOUNTED, TWO-WAY ROOM SENSOR. THE SYMBOL [Symbol] INDICATES SWITCHPACK INSTALLED ABOVE ACCESSIBLE CEILING. SEE CONTROL DIAGRAM ON SHEET E FOR TYPICAL WIRING.
13. ALL 3-LAMP FIXTURES SHALL BE TANDEM WIRED (MASTER TO SLAVE). SEE TYPICAL TANDEM WIRING DIAGRAM FOR 3-LAMP FIXTURES.
14. VERIFY EXACT LOCATION AND MOUNTING OF ALL MECHANICAL AND PLUMBING EQUIPMENT REQUIRING ELECTRICAL CONNECTION PRIOR TO INSTALLATION OF ANY CONDUIT, OUTLET OR DEVICES.
15. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHTING FIXTURES.
16. GREEN INSULATION COPPER GROUNDING CONDUCTOR SHALL BE INSTALLED AND CONNECTED TO EACH OUTLET, ENCLOSURE, DEVICE, ETC., THROUGHOUT THE ENTIRE PROJECT. CONDUIT AND OTHER METALLIC RACEWAYS SHALL NOT BE UTILIZED AS THE "EQUIPMENT GROUNDING" MEANS. SEE SPECIFICATIONS FOR GROUND CONDUCTOR SIZE. ISOLATED GROUND CONDUCTORS SHALL BE ORANGE AND SHALL BE INSTALLED IN ALL RUNS THAT ARE CONNECTED TO ISOLATED GROUND RECEPTACLES.
17. GROUND CONDUCTORS (EQUIPMENT AND ISOLATED GROUND) ARE NOT INDICATED (BY CROSS HATCH SYMBOL) IN THE SYMBOLS FOR CONDUIT SIZE AND NUMBER OF #12 GAUGE CONDUCTORS. CONTRACTOR SHALL ADD NUMBER OF GROUND CONDUCTORS REQUIRED IN EACH CONDUIT RUN.

**THREE PHASE MOTORS 5HP. AND ABOVE**

ALL 3-PHASE MOTORS 5HP AND ABOVE THAT ARE NOT FED FROM MOTOR CONTROL CENTERS SHALL HAVE A SOLID STATE VOLTAGE SENSITIVE PHASE FAILURE RELAY INSERTED INTO THE CONTROL CIRCUIT OF THE MOTOR BY THIS CONTRACTOR. THIS SHALL INCLUDE ALL MOTORS INSTALLED AS PART OF THE BUILDING CONTRACT, WEATHER FURNISHED AS AN INTEGRAL PART OF THE EQUIPMENT SUCH AS THE AIR HANDLING UNITS, OR AS INDIVIDUAL MOTORS. THE RELAY SHALL PROTECT THE MOTOR AGAINST THE LOSS OF ANY ONE OF THE THREE PHASES, PHASE VOLTAGE UNBALANCE, PHASE REVERSAL AND UNDER VOLTAGE RELAY SHALL BE U.L. LABELED FOR 480 VOLT OPERATION AND SHALL BE SQUARE D COMPANY CLASS 8430 TYPE MFS.

**ENERGY COMPLIANCE**

THE LIGHTING DESIGN FOR THIS PROJECT SUBSTANTIALLY CONFORMS TO THE STATE ENERGY REQUIREMENTS, TITLE 24, DIVISION 9. SEE CERTIFICATE OF COMPLIANCE ON SHEET E-2.

**DRAWING INDEX**

- E-1 SINGLE LINE DIAGRAM, SYMBOLS AND NOTES
- E-2 ELECTRICAL SITE PLAN
- E-3 FIRST FLOOR LIGHTING PLAN
- E-4 FIRST FLOOR POWER PLAN
- E-5 FIRST FLOOR SIGNAL PLAN
- E-6 SECOND FLOOR LIGHTING PLAN
- E-7 SECOND FLOOR POWER PLAN
- E-8 SECOND FLOOR SIGNAL PLAN
- E-9 ENLARGED PLANS & SCHEDULES
- E-10 PANEL SCHEDULES & DETAILS
- E-11 PANEL SCHEDULES & DETAILS
- E-12 ELECTRICAL DETAILS

**SYMBOLS**

- [Symbol] LIGHTING FIXTURE, CEILING OR PENDENT MOUNTED
  - [Symbol] LIGHTING FIXTURE, WALL MOUNTED
  - [Symbol] PARKING & DRIVE LIGHTING ASSEMBLY
  - [Symbol] LIGHTING FIXTURE, RECESSED IN CEILING, SQUARE
  - [Symbol] LIGHTING FIXTURE, RECESSED IN CEILING, ROUND
  - [Symbol] FLUORESCENT LIGHTING FIXTURE, CEILING OR PENDENT MOUNTED
  - [Symbol] FLUORESCENT LIGHTING FIXTURE, RECESSED IN CEILING
  - [Symbol] 20A-4P SINGLE RECEPTACLE, FOURTH POLE GROUNDED
  - [Symbol] EXIT LIGHT, WALL MOUNTED (ARROW INDICATES DIRECTIONAL ARROW) SHADED AREA INDICATES "EXIT" FACE.
  - [Symbol] EXIT LIGHT, CEILING MOUNTED (ARROW INDICATES DIRECTIONAL ARROW) SHADED AREA INDICATES "EXIT" FACE.
  - [Symbol] GROUNDING TYPE DUPLEX CONVENIENCE OUTLET, +18"
  - [Symbol] DOUBLE DUPLEX GROUNDING TYPE CONVENIENCE OUTLET, +18"
  - [Symbol] WEATHERPROOF DUPLEX CONVENIENCE OUTLET, +18"
  - [Symbol] GROUND FAULT INTERRUPTER TYPE DUPLEX CONVENIENCE OUTLET, +18"
  - [Symbol] ISOLATED GROUNDING TYPE DUPLEX CONVENIENCE OUTLET, (ORANGE), +18"
  - [Symbol] DOUBLE DUPLEX ISOLATED GROUNDING TYPE CONVENIENCE OUTLET, (ORANGE), +18"
  - [Symbol] POWER / DATA / COMMUNICATIONS POKE-THRU SERVICE FITTING. SEE SPEC'S.
  - [Symbol] 20A-3P SINGLE RECEPTACLE, THIRD POLE GROUNDED
  - [Symbol] JUNCTION BOX, WALL MOUNTED
  - [Symbol] JUNCTION BOX, CEILING MOUNTED
  - [Symbol] JUNCTION BOX, ABOVE ACCESSIBLE CEILING.
  - [Symbol] MOTOR OUTLET
  - [Symbol] DISCONNECT SWITCH, SIZE AND NUMBER OF POLES AS REQUIRED
  - [Symbol] MAGNETIC MOTOR STARTER
  - [Symbol] CLOCK OUTLET, +7'-6"
  - [Symbol] FIRE VISUAL ALARM UNIT, WALL MOUNTED, +7'-6"
  - [Symbol] FIRE VISUAL ALARM UNIT, CEILING MOUNTED.
  - [Symbol] CONDULET. FORM AND SIZE AS REQUIRED OR AS NOTED
  - [Symbol] FIRE MANUAL REPORTING STATION, 44'-0"
  - [Symbol] FIRE MANUAL REPORTING STATION, 44'-0" WITH HORN MOUNTED DIRECTLY ABOVE AT 7'-6"
  - [Symbol] FIRE CHIME AND VISUAL ALARM UNIT, WALL MOUNTED, +7'-6"
  - [Symbol] FIRE HORN AND VISUAL ALARM UNIT, WALL MOUNTED, +7'-6"
  - [Symbol] FIRE ALARM CONTROL ZAM.
  - [Symbol] SMOKE ACTIVATED FIRE DETECTOR, CEILING MOUNTED
  - [Symbol] HEAT ACTIVATED FIRE DETECTOR, CEILING MOUNTED
  - [Symbol] DUCT SMOKE DETECTOR
  - [Symbol] TELEPHONE OUTLET, +18"
  - [Symbol] COMMUNICATIONS OUTLET, +18", UNLESS OTHERWISE NOTED
  - [Symbol] COMMUNICATIONS/DATA OUTLET (3-GANG BOX), +18"
  - [Symbol] DATA OUTLET, +18"
  - [Symbol] TELEVISION OUTLET, +18"
  - [Symbol] P.A. SPEAKER OUTLET, RECESSED IN CEILING
  - [Symbol] FLUSH MOUNTED MANUAL MOTOR STATION SWITCH, 44'-0"
  - [Symbol] THERMOSTAT OUTLET, +5'-0"
  - [Symbol] SWITCH PACK. INSTALL ABOVE ACCESSIBLE CEILING
  - [Symbol] ONE WAY MOTION SENSOR, CEILING MOUNTED
  - [Symbol] TWO WAY MOTION SENSOR, CEILING MOUNTED
  - [Symbol] TOGGLE SWITCH, 44'-0"
- SUFFIXES ON SWITCH SYMBOLS INDICATE THE FOLLOWING:  
 NO SUFFIX = SINGLE POLE, 2 = 2 POLE, 3 = 3-WAY, 4 = 4-WAY.  
 K = KEY OPERATED, M = MOMENTARY CONTACT, P = WITH PILOT LIGHT,  
 LV = LOW VOLTAGE LIGHTING CONTROL
- CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS  
 CONDUIT RUN CONCEALED UNDER FLOOR OR BELOW GRADE  
 CONDUIT RUN EXPOSED
- 2#12 - 1/2" C.    3#12 - 1/2" C.    4#12 - 3/4" C.    5#12 - 3/4" C.
- 6#12 - 1" C.    7#12 - 1" C.    8#12 - 1" C.    9#12 - 1-1/4" C.
- NOTE: CONDUCTORS INDICATED BY THESE SYMBOLS DO NOT INCLUDE THE REQUIRED GROUND CONDUCTORS SUCH AS EQUIPMENT GROUND AND ISOLATED GROUND (WHERE REQUIRED).
- WIRE SIZE OTHER THAN #12 IS NOTED ON EACH CONDUIT RUN, WITH SIZE OF CONDUIT (i.e., 3#10 - 3/4" C.)
- [Symbol] RACING SYSTEM CONDUIT, 1/2" (WITH PULL LINE).
- [Symbol] FLUSH MOUNTED CABINET OR EQUIPMENT AS NOTED, +6'-6" TO TOP
- [Symbol] SURFACE MOUNTED CABINET OR EQUIPMENT AS NOTED, +6'-6" TO TOP
- [Symbol] FLUSH MOUNTED PANEL, +6'-6" TO TOP
- [Symbol] SURFACE MOUNTED PANEL, +6'-6" TO TOP
- [Symbol] PANELBOARD DESIGNATION
- [Symbol] TERMINAL CABINET DESIGNATION
- [Symbol] FEEDER DESIGNATION
- [Symbol] INDICATES FLUORESCENT LIGHTING FIXTURE WITH EMERGENCY POWER PACK OR "EMERGENCY LIGHTING SYSTEM". SEE SPECIFICATIONS.
- [Symbol] FIRE ALARM SYSTEM, 4 # 14 & 1 SHIELDED PAIR, 3/4" C UNLESS OTHERWISE NOTED.
- [Symbol] INTRUSION ALARM SYSTEM, 1/2" C. WITH PULL LINE.

**COLOR CODE FOR RECEPTACLES**

COLOR	WHERE REQUIRED
BLACK	ALL RECEPTACLES CONNECTED TO A DEDICATED CIRCUIT (ONE RECEPTACLE PER CIRCUIT) UNLESS RECEPTACLE IS AN ISOLATED GROUND TYPE RECEPTACLE IN WHICH CASE RECEPTACLE IS TO BE ORANGE.
ORANGE	ALL ISOLATED GROUND RECEPTACLES.
WHITE	ALL RECEPTACLES NOT INDICATED TO BE BLACK OR ORANGE.

**SINGLE LINE DIAGRAM, SYMBOLS AND NOTES**



**REVISIONS**

REVISIONS	BY
1/22/92	L.B.S.

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**SHEET**

**E-1**

OF SHEETS

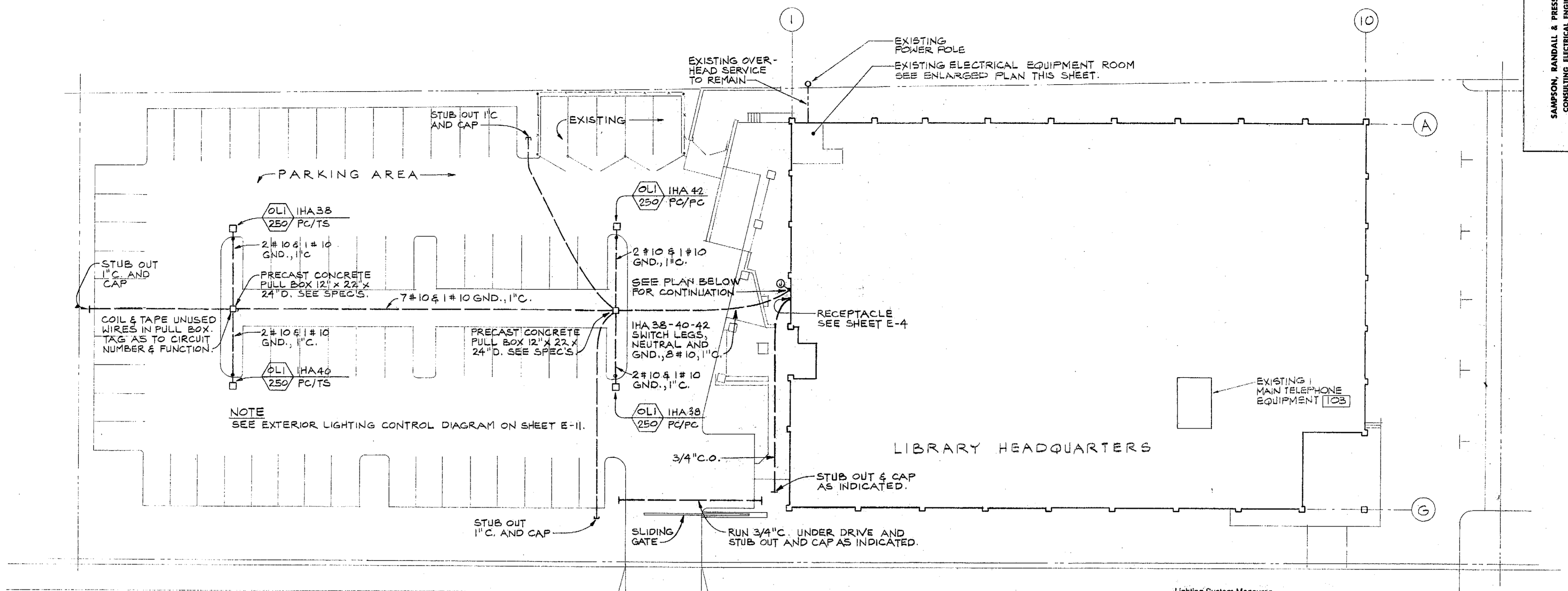


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Lighting System Measures

Item	Spec.	Proposed
1 Certified luminaires (per 2-53140)	E-3, E-4	Compliant
2 Independent control w/ enclosed areas (per 2-53141)	E-3, E-4	Compliant
3 Manual switching readily accessible (per 2-53142)	E-3, E-4	Compliant
4 Protection of lighting load in at least one half per 2-53143	E-3, E-4	Compliant
5 General lighting of display and viewing lighting (per 2-53144)	N/A	Compliant
6 Automatic control of display lighting in retail and wholesale stores (per 2-53145)	N/A	Compliant
7 Handset wiring of one and three lamp luminaires (per 2-53146)	E-12	Compliant

Certificate of Compliance (Part 2 of 2) Performance Compliance CF-1B

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FOR ENVIRONMENTAL AGENCY USE ONLY

DATE: 11/27/92

ENVIRONMENTAL AGENCY: USE

NOTE: More than one Part 2 may be submitted, but all must reference the same Part 1. The person responsible for design compliance for each major building system acknowledges the following compliance statement by signing the appropriate space below.

Compliance Statement: The proposed building improvements substantially comply with the requirements indicated on the Certificate of Compliance for the building, dated 11/27/92. The plans and specifications include the significant energy conservation features and the compliance documentation is consistent with the code and specifications.

Envelope	Allowed	Proposed	EXEMPT FROM COMPLIANCE
1 Average Roof Ceiling R <sub>v</sub>	1.0	1.0	NO
2 Average Ceiling R <sub>v</sub>	1.0	1.0	NO
3 Average Outside Wall R <sub>v</sub>	1.0	1.0	NO
4 Glazing Area in Wall	1.0	1.0	NO
5 Average U <sub>c</sub> (Wall)	1.0	1.0	NO
6 Glazing Area in Roof	1.0	1.0	NO
7 Average U <sub>c</sub> (Roof)	1.0	1.0	NO

Other requirements: \_\_\_\_\_

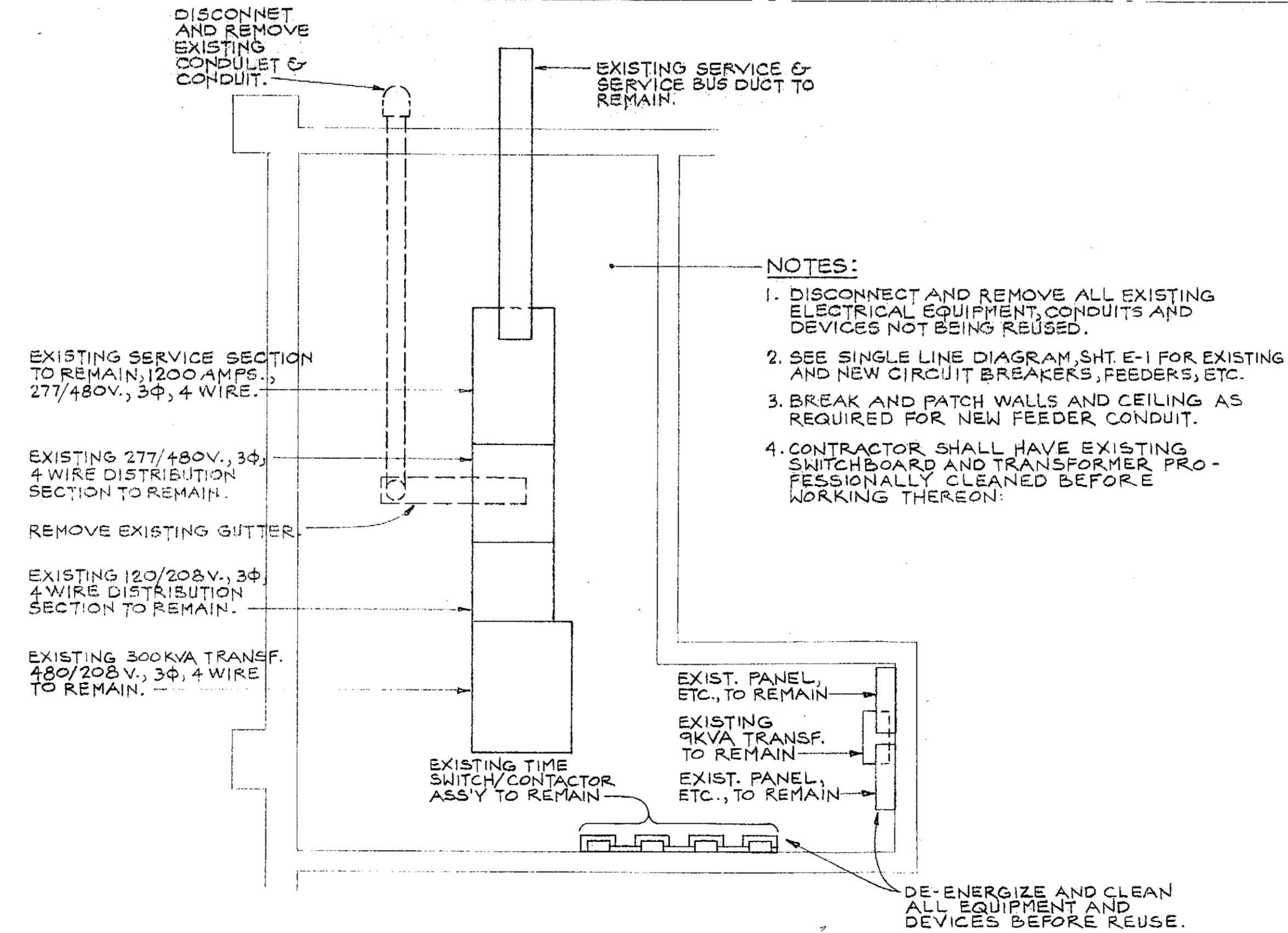
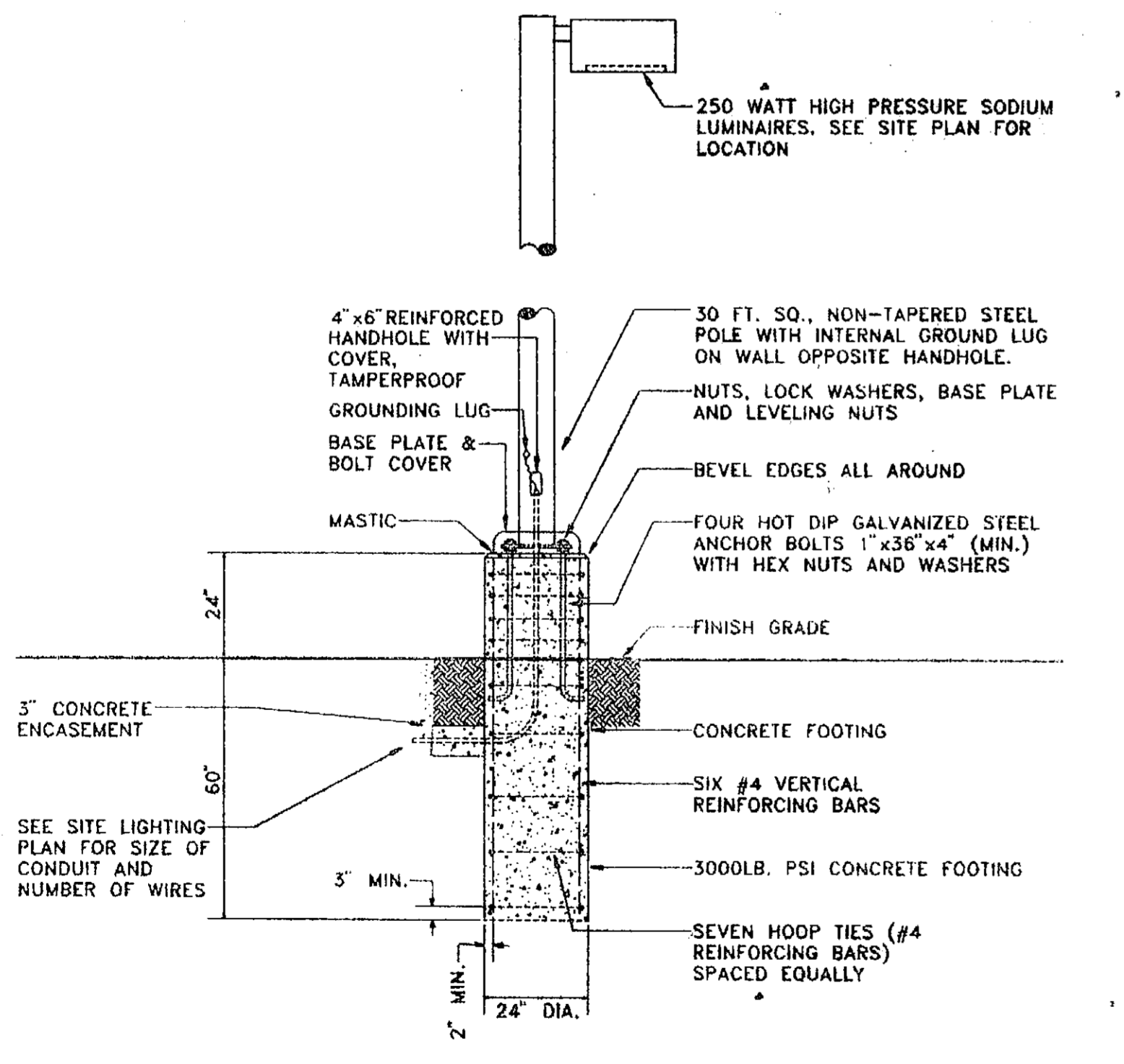
Lighting	Allowed	Proposed	EXEMPT FROM COMPLIANCE
8 Base of Allowed LPD	1.0	1.0	NO
9 LPD	1.0	1.0	NO
10 Package Lighting Efficiency	1.0	1.0	NO
11 Adjusted LPD	1.0	1.0	NO
12 Lighting Control Grade?	YES	YES	NO

Other requirements: \_\_\_\_\_

Mechanical	Allowed	Proposed	EXEMPT FROM COMPLIANCE
13 Use Fan Power	1.0	1.0	NO
14 Rated Cooling Efficiency	1.0	1.0	NO
15 Rated Cooling Capacity	1.0	1.0	NO
16 Rated Heating Efficiency	1.0	1.0	NO
17 Rated Heating Capacity	1.0	1.0	NO
18 Supplemental cooling?	NO	NO	NO
19 Supplemental heating?	NO	NO	NO

Other requirements: \_\_\_\_\_

ENV Form Revised September 1988 Page 3 of 8

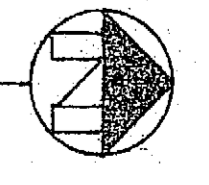


DRIVE & PARKING AREA LIGHTING ASSEMBLY  
NOT TO SCALE

ENLARGED PLAN-MAIN ELECTRICAL ROOM  
SCALE: 3/8" = 1'-0"

NOTE  
SEE SHEET E-1 FOR SINGLE LINE DIAGRAM

ELECTRICAL SITE PLAN  
SCALE: 1" = 20'-0"



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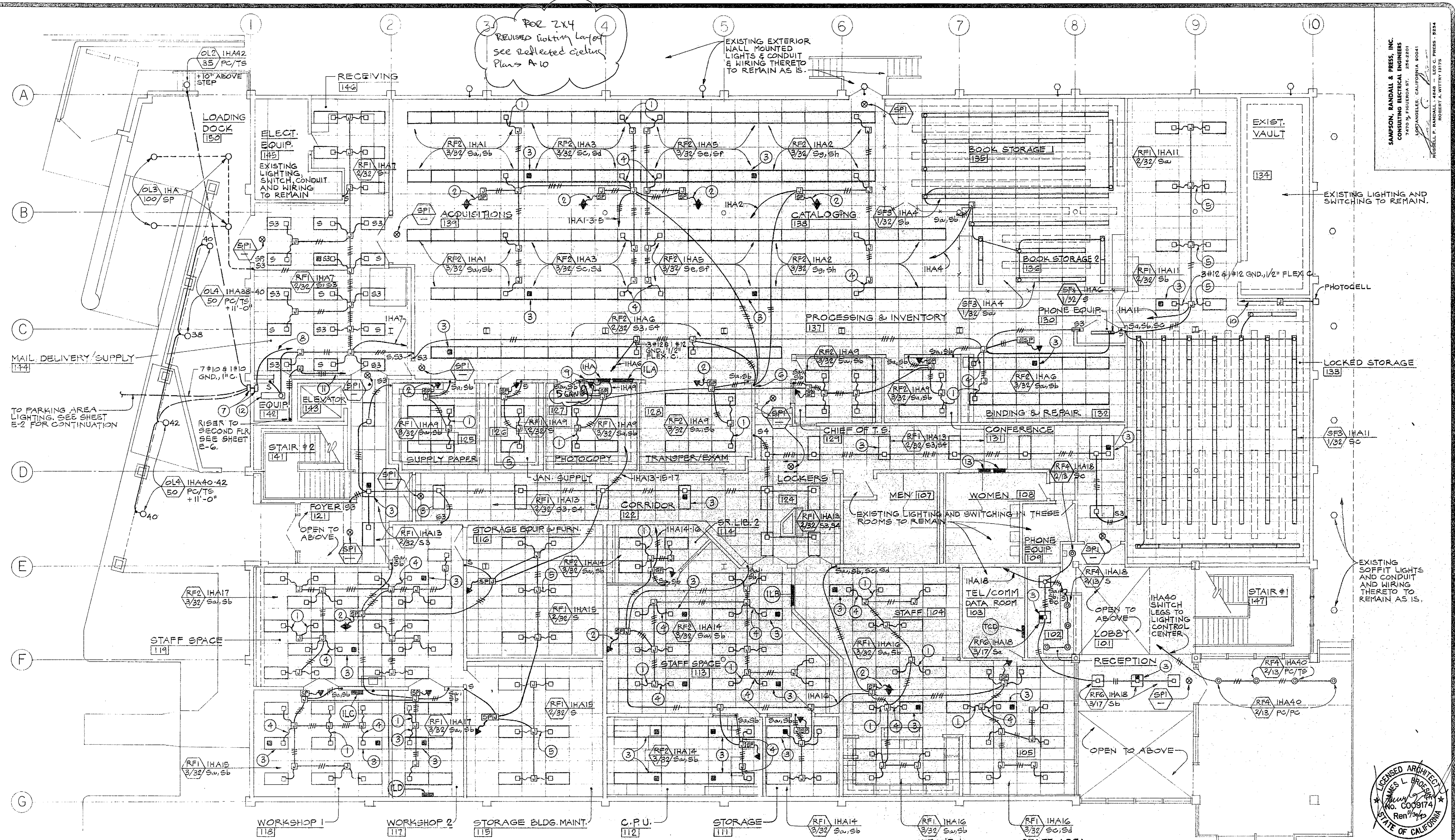
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AS NOTED

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91002

SHEET

E-2

OF SHEETS



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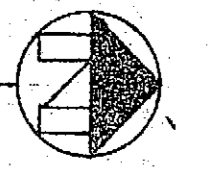
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CHECKED	BARCLAY
DATE	
SCALE	1/8" = 1'-0"
JOB NO.	91002
SHEET	
<b>E-3</b>	
OF	SHEETS

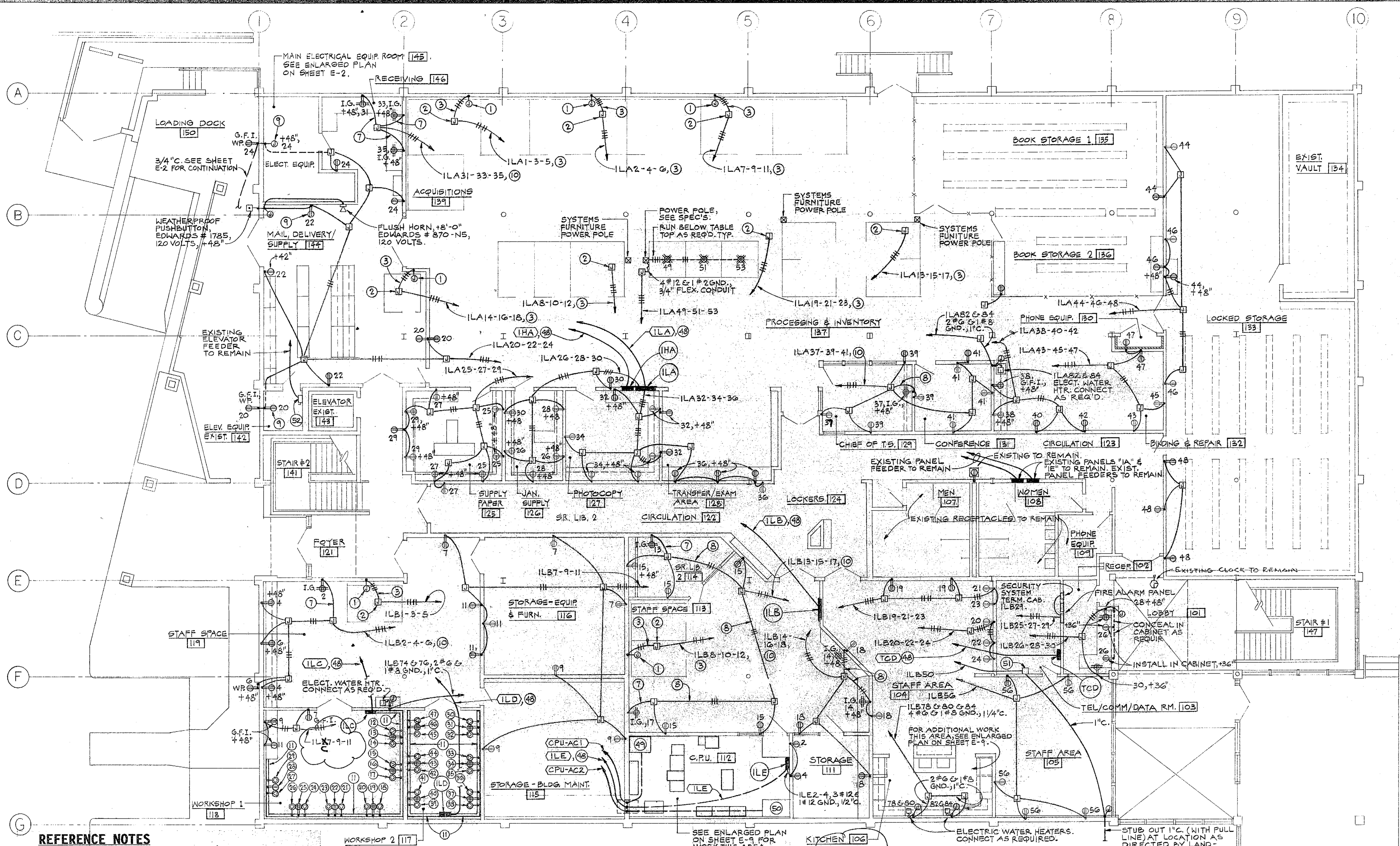
- REFERENCE NOTES**
- 3 #12 AND 1 #12 GND., 1/2" FLEX. CONDUIT. TYPICAL FOR ALL 3-LAMP FIXTURES. SEE DETAIL ON SHEET E-12.
  - 3 #14, 1/2" FLEX. CONDUIT. TYPICAL BETWEEN SENSOR AND SWITCHPACK.
  - FIXTURE SHALL BE COMPLETE WITH "EMERGENCY LIGHTING SYSTEM" TO PROVIDE EMERGENCY LIGHT FOR A PERIOD OF 90 MINUTES BY ILLUMINATING ONE LAMP DURING A POWER FAILURE. THIS SYSTEM SHALL HAVE AN UNSWITCHED HOT WIRE CONNECTED THERETO. SEE SPECIFICATIONS.
  - 4 #12 AND 1 #12 GND., 1/2" FLEX. CONDUIT. TYPICAL FOR ALL 3-LAMP FIXTURES WITH "EMERGENCY LIGHTING SYSTEM".
  - 2 #12 AND 1 #12 GND., 1/2" FLEX. CONDUIT. TYPICAL FOR ALL 2-LAMP FIXTURES.
  - INSTALL SWITCHES S4, Sa, Sb, Sc, Sd, Se, Sf, Sg AND Sh IN THREE 3-GANG BOXES, ONE ABOVE THE OTHER. CENTER BOX SHALL BE AT +48".
  - INSTALL SHEET STEEL PULL BOX 12"W. X 18"H. X 10"D. EXTERIOR PULL BOX SHALL BE WEATHERPROOF.
  - IHA38 AND 40 AND 42 SWITCH LEGS. SEE CONTROL DIAGRAM ON SHEET E-11.
  - LIGHTING CONTROL CENTER. SEE SHEET E-11. CONNECT TO PANEL IHA WITH 5 #10, 3/4"C. NIPPLE, RUN.
  - 3 #12, 1/2"C. TO LIGHTING CONTROL CENTER.
  - CIRCUIT IHA40 HOT, PC/PC SW. LEG, PC/TS SW. LEG AND NEUTRAL TO LIGHTING CONTROL CENTER.
  - SFI IHA7 2/22 S
  - EXISTING PANELS "IA" & "IE" TO REMAIN.

- GENERAL NOTES**
- SEE SHEET E-10 FOR FIRST FLOOR PANEL SCHEDULES.
  - SEE FIXTURE SCHEDULE AND METHODS OF SUPPORT IN SECTION 16500 OF THE SPECIFICATIONS. → CF-5

- DEMOLITION NOTES**
- DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES, SWITCHES, OUTLET BOXES, CONDUIT AND WIRING UNLESS NOTED TO REMAIN.

**FIRST FLOOR LIGHTING PLAN**  
 SCALE: 1/8" = 1'-0"





**REFERENCE NOTES**

- 1 INSTALL WALL JUNCTION BOX FOR BASE INFED TO SYSTEMS FURNITURE. VERIFY EXACT LOCATION OF JUNCTION BOX WITH SYSTEMS FURNITURE INSTALLER. PROVIDE 72" LONG PIGTAILS FOR CONNECTION (BY SYSTEMS FURNITURE INSTALLER) TO BASE INFED MODULE FURNISHED WITH SYSTEM. PIGTAILS SHALL BE TAGGED AS TO CIRCUIT NUMBER AND/OR FUNCTION.
- 2 CEILING MOUNTED JUNCTION BOX FOR INFED TO SYSTEMS FURNITURE. VERIFY EXACT LOCATION OF JUNCTION BOX WITH SYSTEMS FURNITURE INSTALLER. PROVIDE 72" LONG PIGTAILS FOR CONNECTION (BY SYSTEMS FURNITURE INSTALLER) TO RIGID CEILING INFED MODULE. PIGTAILS SHALL BE TAGGED AS TO CIRCUIT NUMBER AND/OR FUNCTION.
- 3 RUN 5#12 (BLUE HOT, RED HOT, BLACK HOT, GREEN GROUND AND ORANGE ISOLATED GROUND) & 1#10 (WHITE NEUTRAL), 3/4" C. CIRCUIT AS SHOWN. SEE FURNITURE SYSTEMS WIRING DIAGRAM ON SHEET E-12.
- 4 CONNECT TO DISPOSAL UNIT AND DISPOSAL SWITCH AS REQUIRED, CIRCUIT 2LA38.
- 5 POWER/DATA/COMMUNICATIONS FLOOR BOX. POWER SECTION SHALL HAVE TWO ISOLATED GROUND TYPE DUPLEX RECEPTACLES. SEE SPECIFICATIONS.
- 6 INSTALL ISOLATED GROUNDING TYPE DOUBLE DUPLEX RECEPTACLES.
- 7 RUN 4#12 (HOT, WHITE NEUTRAL, GREEN GROUND AND ORANGE ISOLATED GROUND) & 1#10 (WHITE NEUTRAL), 3/4" C.
- 8 RUN 4#12 (HOT, HOT, GREEN GROUND, ORANGE ISOLATED-GROUND AND 1#10 WHITE NEUTRAL), 3/4" C.
- 9 DROP IN SURFACE MOUNTED WIREMOLD TO +18" AND INSTALL BOX AS SHOWN.
- 10 RUN 5#12 (BLUE NOT, RED HOT, GREEN GROUND AND ORANGE ISOLATED GROUND) & 1#10 (WHITE NEUTRAL), 3/4" C.

- 11 RUN G-6000 SERIES WIREMOLD FROM SIDE OF PANEL AND AROUND WALLS AS INDICATED. PROVIDE OUTLETS AND CIRCUIT AS SHOWN. NAMEPLATE SHALL BE INSTALLED ON TOP OF WIREMOLD ABOVE EACH OUTLET. NAME PLATE SHALL HAVE CIRCUIT NUMBER, AMPS, VOLTAGE AND PHASE OF EACH OUTLET. SEE PANEL SCHEDULE AND PANEL ELEVATION ON SHEET E-10.
- 12 CKT. 11C 13&15, 20A-3P (THIRD POLE GROUNDED) RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 13 CKT. 11C 1, DOUBLE GFI DUPLEX RECEPTACLES, 20A-1P, 1Ø, 2#12 & 1#12GND.
- 14 CKT. 11C 25&27&29, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 3Ø, 3#12 & 1#12GND.
- 15 CKT. 11C 14&16, 20A-3P (THIRD POLE GROUNDED) RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 16 CKT. 11C 3, DOUBLE GFI DUPLEX RECEPTACLES, 20A-1P, 1Ø, 2#12 & 1#12GND.
- 17 CKT. 11C 26&28&30, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 3Ø, 3#12 & 1#12GND.
- 18 CKT. 11C 17&19, 20A-3P (THIRD POLE GROUNDED) RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 19 CKT. 11C 5, DOUBLE GFI RECEPTACLES, 20A-1P, 1Ø, 2#12 & 1#12GND.
- 20 CKT. 11C 31&33&35, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 3Ø, 3#12 & 1#12GND.
- 21 CKT. 11C 18&20, 20A-3P (THIRD POLE GROUNDED) RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 22 CKT. 11C 2, DOUBLE GFI DUPLEX RECEPTACLES, 20A-1P, 1Ø, 2#12 & 1#12GND.
- 23 CKT. 11C 32&34&36, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 3Ø, 3#12 & 1#12GND.

- 24 CKT. 11C 21&23, 20A-3P (THIRD POLE GROUNDED) RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 25 CKT. 11C 4, DOUBLE GFI DUPLEX RECEPTACLES, 20A-1P, 1Ø, 2#12 & 1#12GND.
- 26 CKT. 11C 37&39&41, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 3Ø, 3#12 & 1#12GND.
- 27 CKT. 11C 22&24, 20A-3P (THIRD POLE GROUNDED) RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 28 CKT. 11C 6, DOUBLE GFI DUPLEX RECEPTACLES, 20A-1P, 1Ø, 2#12 & 1#12GND.
- 29 CKT. 11C 38&40&42, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 3Ø, 3#12 & 1#12GND.
- 30 CKT. 11D 26&28&30, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 31 CKT. 11D 1, DOUBLE DUPLEX RECEPTACLES, 20-1P, 1Ø, 2#12 & 1#12GND.
- 32 CKT. 11D 25&27&29, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 3Ø, 3#12 & 1#12GND.
- 33 CKT. 11D 14&16, 20A-3P (THIRD POLE GROUNDED) RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 34 CKT. 11D 3, DOUBLE GFI DUPLEX RECEPTACLE, 20A-1P, 1Ø, 2#12 & 1#12GND.
- 35 CKT. 11D 26&28&30, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 3Ø, 3#12 & 1#12GND.
- 36 CKT. 11D 17&19, 20A-3P (THIRD POLE GROUNDED) RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 37 CKT. 11D 5, DOUBLE GFI DUPLEX RECEPTACLE, 20A-1P, 1Ø, 2#12 & 1#12GND.
- 38 CKT. 11D 31&33&35, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 3Ø, 3#12 & 1#12GND.

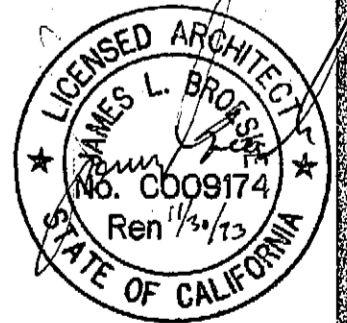
- 39 CKT. 11D 32&34&36, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 3Ø, 3#12 & 1#12GND.
- 40 CKT. 11D 2, DOUBLE GFI DUPLEX RECEPTACLE, 20A-1P, 1Ø, 2#12 & 1#12GND.
- 41 CKT. 11D 18&20, 20A-3P (THIRD POLE GROUNDED) RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 42 CKT. 11D 37&39&41, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 3Ø, 3#12 & 1#12GND.
- 43 CKT. 11D 4, DOUBLE GFI DUPLEX RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 44 CKT. 11D 21&23, 20A-3P (THIRD POLE GROUNDED) RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 45 CKT. 11D 38&40&42, 20A-4P (FOURTH POLE GROUNDED) RECEPTACLE, 1Ø, 3#12 & 1#12GND.
- 46 CKT. 11D 6, DOUBLE GFI DUPLEX RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 47 CKT. 11D 22&24, 20A-3P (THIRD POLE GROUNDED) RECEPTACLE, 1Ø, 2#12 & 1#12GND.
- 48 TO MAIN SWITCHBOARD IN ELECTRICAL ROOM. SEE SINGLE LINE DIAGRAM AND FEEDER SCHEDULE ON SHEET E-1 OF THE DRAWINGS.
- 49 CPU-AC1. SEE SHEET E-9.
- 50 CPU-AC2. SEE SHEET E-9.
- 51 SPRINKLER CONTROLLER. SEE SHEET L-1.
- 52 EXISTING ELEVATOR DISC. SWITCH AND FEEDER TO REMAIN.

**GENERAL NOTES**

1. SEE SHEET E-10 FOR FIRST FLOOR PANEL SCHEDULES.

**FIRST FLOOR POWER PLAN**

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



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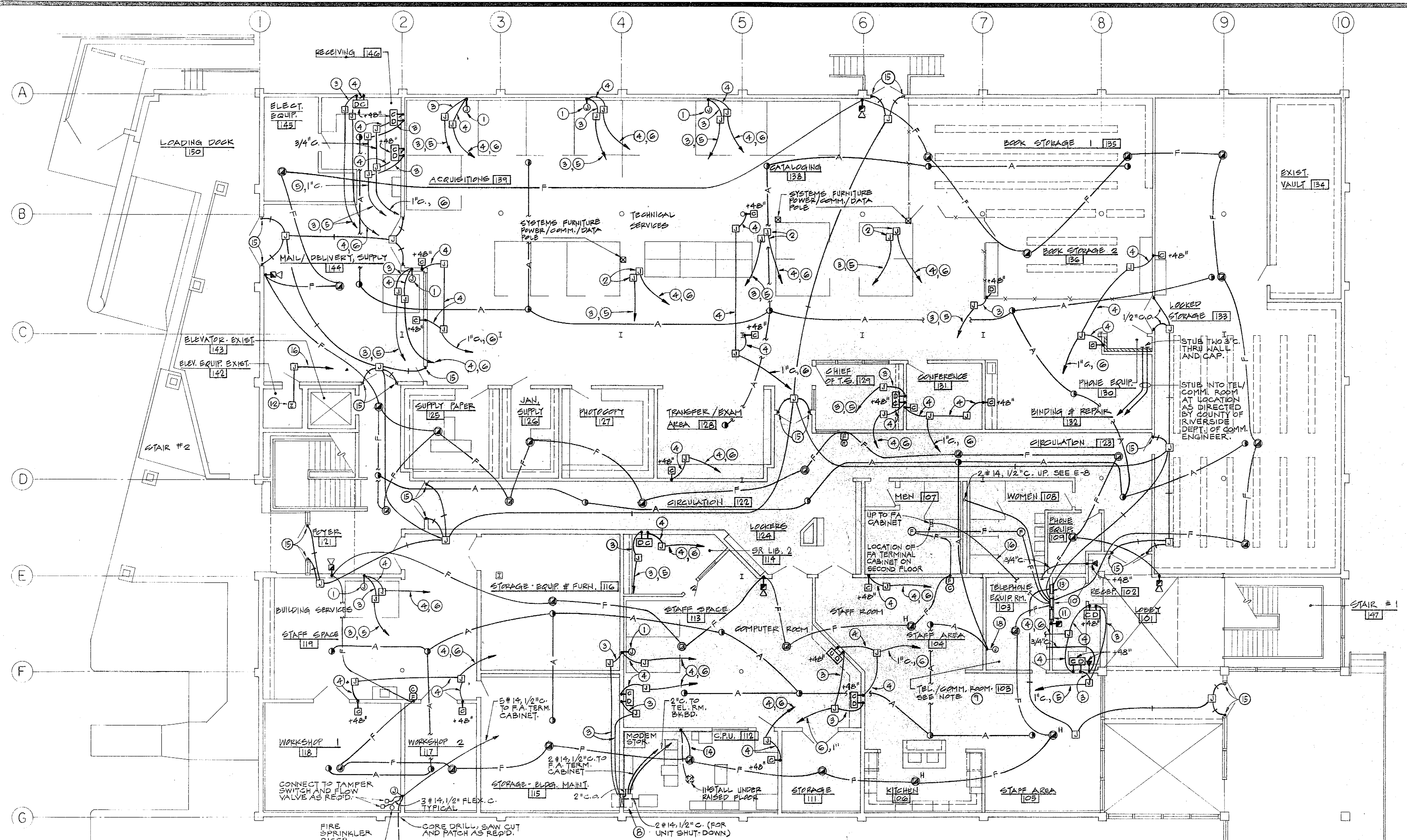
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DRAWN	EDDIE
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SHEET	E-4
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**REFERENCE NOTES**

- INSTALL 3-GANG WALL JUNCTION BOX FOR COMM/DATA SYSTEMS BASE INFED TO SYSTEMS FURNITURE. VERIFY EXACT LOCATION OF JUNCTION BOX WITH SYSTEMS FURNITURE INSTALLER.
- CEILING MOUNTED JUNCTION BOX COMM/DATA SYSTEMS INFED TO SYSTEMS FURNITURE.
- 3/4" DATA CONDUIT WITH PULL LINE. TYPICAL UNLESS SPECIFICALLY NOTED OTHERWISE.
- 3/4" COMMUNICATIONS CONDUIT WITH PULL LINE. TYPICAL UNLESS SPECIFICALLY NOTED OTHERWISE.
- RUN TO DATA SYSTEM PULL BOX ABOVE FIRST FLOOR CEILING.
- RUN TO TEL/COMM. ROOM [103] TERMINATE CONDUITS AT LOCATIONS AND IN MANNER AS DIRECTED BY COUNTY OF RIVERSIDE COMMUNICATIONS DEPARTMENT ENGINEER.
- POWER/DATA/COMMUNICATIONS FLOOR BOX. SEE SPECIFICATIONS.
- INSTALL 24" WIDE X 3" DEEP FLUSH (IN WALL) VERTICAL WIREWAY. WIREWAY SHALL EXTEND FROM SPACE BELOW RAISED FLOOR TO PULL BOX ABOVE CEILING. PROVIDE SECTIONALIZED SCREW-ON COVER FINISHED TO MATCH COLOR OF ADJACENT WALL. PORTION OF WIREWAY BELOW RAISED FLOOR SHALL HAVE SEPARATE REMOVABLE COVER. TOP OF WIREWAY SHALL TERMINATE ON BOTTOM OF ABOVE CEILING PULL BOX. PULL BOX SHALL BE 48" LONG X 30" WIDE X 12" DEEP AND SHALL HAVE OPENING IN BOTTOM TO PROVIDE ACCESS TO VERTICAL WIREWAY. TOP OF PULL BOX SHALL BE IN REMOVABLE (SCREW DOWN) SECTIONS.

- TERMINATE CONDUITS AT LOCATIONS AND IN MANNER AS DIRECTED BY COUNTY OF RIVERSIDE.
- FIRE ALARM SYSTEM TERMINAL CABINET, 24"H X 18"W X 4"D. PROVIDE TERMINALS AS REQUIRED. SEE SPECIFICATIONS.
- FIRE ALARM PANEL AND AUTOMATIC COMMUNICATOR. SEE SPECIFICATIONS.
- PROVIDE ZONE ADAPTOR MODULE (CONTROL). CONNECT TO ELEVATOR CONTROLS AS REQUIRED. VERIFY WITH ELEVATOR MANUFACTURER'S AUTHORIZED REPRESENTATIVE.
- TERMINAL CABINET FOR FUTURE SECURITY SYSTEM, 18"H X 12"W X 4"D.
- 8 #14 & 2 SHIELDED PAIR, 3/4"C.
- DOOR SWITCH AND MAGNET. SEE SPECIFICATIONS.
- 10 #14 & 2 PAIR SHIELDED, 3/4"C.

- WEATHERPROOF PUSH BUTTON, EDWARDS # 1785, 125 VOLTS.
- INSTALL AT +48" FOR FUTURE P.A. RACK CONNECTION. MARK AS "P.A. SYSTEM".

**GENERAL NOTES**

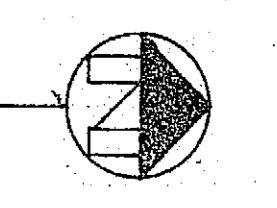
- SEE SECOND FLOOR SIGNAL PLAN ON SHEET E-8.
- SEE SYMBOLS & NOTES ON SHEET E-1.

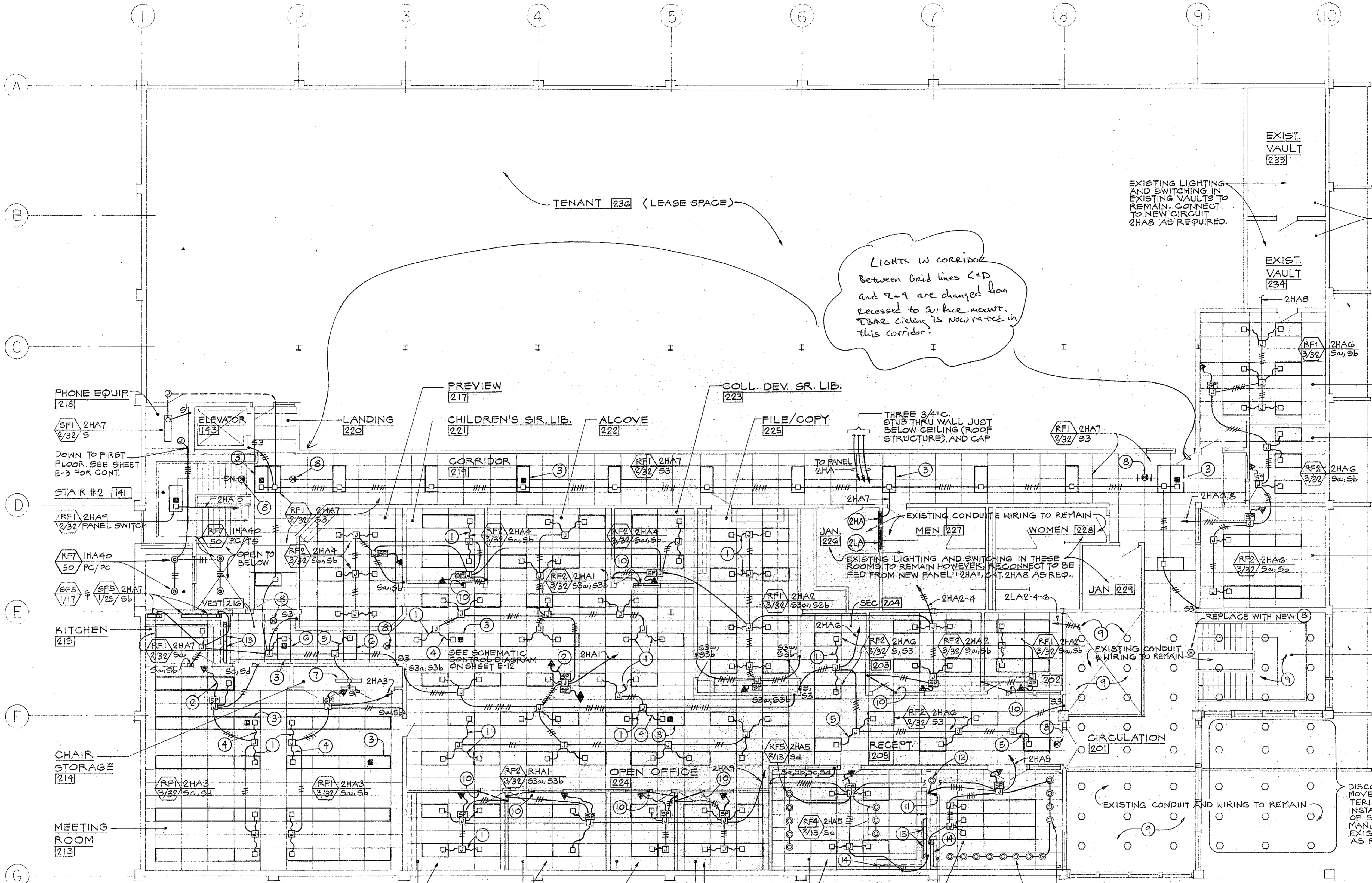
**DEMOLITION NOTES**

- DISCONNECT & REMOVE ALL EXISTING FIRE ALARM DEVICES, TELEPHONES, OUTLET BOXES, ETC, CONDUIT & WIRING UNLESS NOTED TO REMAIN.

**FIRST FLOOR SIGNAL PLAN**

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





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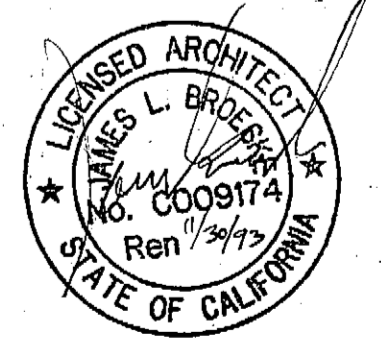
- REFERENCE NOTES**
- 3 #12 AND 1 #12 GND., 1/2" FLEX. CONDUIT. TYPICAL FOR ALL 3-LAMP FIXTURES. SEE DETAIL ON SHEET E-12.
  - 3 #14, 1/2" FLEX. CONDUIT. TYPICAL BETWEEN SENSOR AND SWITCHPACK.
  - FIXTURE SHALL BE COMPLETE WITH "EMERGENCY LIGHTING SYSTEM" TO PROVIDE EMERGENCY LIGHT FOR A PERIOD OF 90 MINUTES BY ILLUMINATING ONE LAMP DURING A POWER FAILURE. THIS SYSTEM SHALL HAVE AN UNSWITCHED HOT WIRE CONNECTED THERETO, SEE SPECIFICATIONS.
  - 4 #12 AND 1 #12 GND., 1/2" FLEX. CONDUIT. TYPICAL FOR ALL 3-LAMP FIXTURES WITH "EMERGENCY LIGHTING SYSTEM".
  - 2 #12 AND 1 #12 GND., 1/2" FLEX. CONDUIT. TYPICAL FOR ALL 2-LAMP FIXTURES.
  - RF1 2HA7 2/32 S3
  - SF1 2HA7 1/32 SP
  - SP1 SELF LUMINOUS EXIT SIGN
  - EXISTING INCANDESCENT DOWN LIGHTS AND SWITCHING TO REMAIN AS IS HOWEVER, RECONNECT TO BE FED FROM NEW PANEL 2LA CIRCUITS 2LA 1-3-5 AS REQUIRED.
  - SWITCHES Sa, Sb, INSTALLED AT +30" (BELOW WINDOW).

- SWITCHES Sa, Sb, Sc, Sd IN 4-GANG BOX.
- RF1 2HAS 2/13 Sd INSTALL IN SOFFIT.
- SFS 2HA7 1/25 Sb
- SFS 2HAS 1/32 S INSTALL SWITCH ON WALL (BELOW HIGH CABINET) AT +48"
- SFS 2HAS 1/25 S INSTALL SWITCH ON WALL (BELOW HIGH CABINET) AT +48"

- GENERAL NOTES**
- REFER TO TYPICAL DETAILS ON SHEET E-12.
  - REFER TO SHEETS E-10 AND E-11 FOR PANEL SCHEDULES.

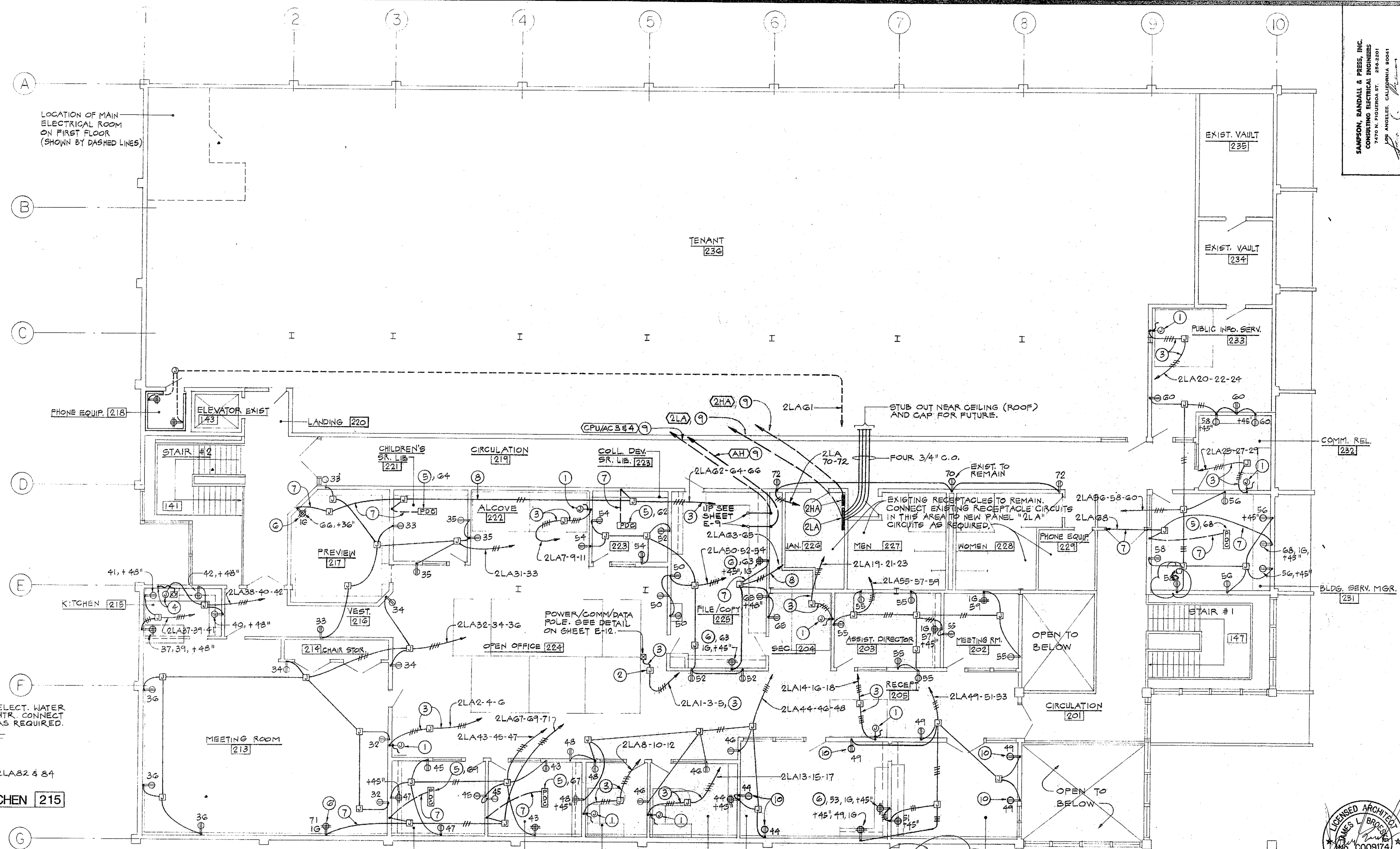
- DEMOLITION NOTES**
- DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES, SWITCHES, OUTLET BOXES, CONDUIT AND WIRING UNLESS NOTED TO REMAIN.

**SECOND FLOOR LIGHTING PLAN**  
 SCALE: 1/8" = 1'-0"



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<b>E-6</b>	
OF	SHEETS



LOCATION OF MAIN ELECTRICAL ROOM ON FIRST FLOOR (SHOWN BY DASHED LINES)

TENANT 232

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PARTIAL PLAN KITCHEN 215  
SCALE: 1/8" = 1'-0"

**REFERENCE NOTES**

- 1 INSTALL WALL JUNCTION BOX FOR BASE INFEEED TO SYSTEMS FURNITURE. VERIFY EXACT LOCATION OF JUNCTION BOX WITH SYSTEMS FURNITURE INSTALLER. PROVIDE 72" LONG PIGTAILS FOR CONNECTION (BY SYSTEMS FURNITURE INSTALLER) TO BASE INFEEED MODULE FURNISHED WITH SYSTEM. PIGTAILS SHALL BE TAGGED AS TO CIRCUIT NUMBER AND/OR FUNCTION.
- 2 CEILING MOUNTED JUNCTION BOX FOR INFEEED TO SYSTEMS FURNITURE. VERIFY EXACT LOCATION OF JUNCTION BOX WITH SYSTEMS FURNITURE INSTALLER. PROVIDE 72" LONG PIGTAILS FOR CONNECTION (BY SYSTEMS FURNITURE INSTALLER) TO RIGID CEILING INFEEED MODULE. PIGTAILS SHALL BE TAGGED AS TO CIRCUIT NUMBER AND/OR FUNCTION.
- 3 RUN 5#12 (BLUE HOT, RED HOT, BLACK HOT, GREEN GROUND AND ORANGE ISOLATED GROUND) & 1#10 (WHITE NEUTRAL), 3/4"C. CIRCUIT AS SHOWN. SEE FURNITURE SYSTEMS WIRING DIAGRAM ON SHEET E-12.
- 4 CONNECT TO DISPOSAL UNIT AND DISPOSAL SWITCH AS REQUIRED, CIRCUIT 2LA38.
- 5 POWER/DATA/COMMUNICATIONS POKE-THRU SERVICE FITTING. POWER SECTION SHALL HAVE TWO ISOLATED GROUND TYPE DUPLEX RECEPTACLES. SEE SPECIFICATIONS.
- 6 INSTALL ISOLATED GROUNDING TYPE DOUBLE DUPLEX RECEPTACLES.
- 7 RUN 4#12 (HOT, WHITE NEUTRAL, GREEN GROUND AND ORANGE ISOLATED GROUND) 3/4"C.
- 8 RUN 4#12 (HOT, HOT, GREEN GROUND, ORANGE ISOLATED GROUND AND 1#10 WHITE NEUTRAL), 3/4"C.
- 9 RUN FEEDERS CONCEALED BELOW FLOOR (AND ABOVE FIRST FLOOR CEILING) TO MAIN SWITCHBOARD IN ELECTRICAL ROOM ON FIRST FLOOR. SEE SINGLE LINE DIAGRAM AND FEEDER SCHEDULE ON SHEET E-1.
- 10 INSTALL IN CENTER OF PANEL. SEE INTERIOR ELEVATION ON SHEET A-22.

**GENERAL NOTES**

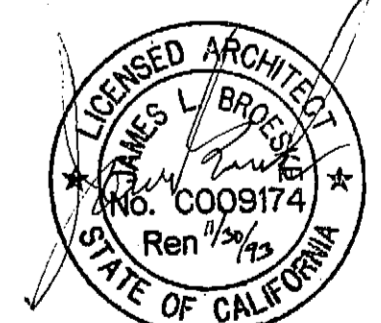
1. REFER TO SHEETS E-10 & E-11 FOR PANEL SCHEDULES.

**DEMOLITION NOTES**

1. DISCONNECT & REMOVE ALL RECEPTACLES, OUTLETS, PANELBOARDS, CONDUIT & WIRING UNLESS NOTED TO REMAIN.

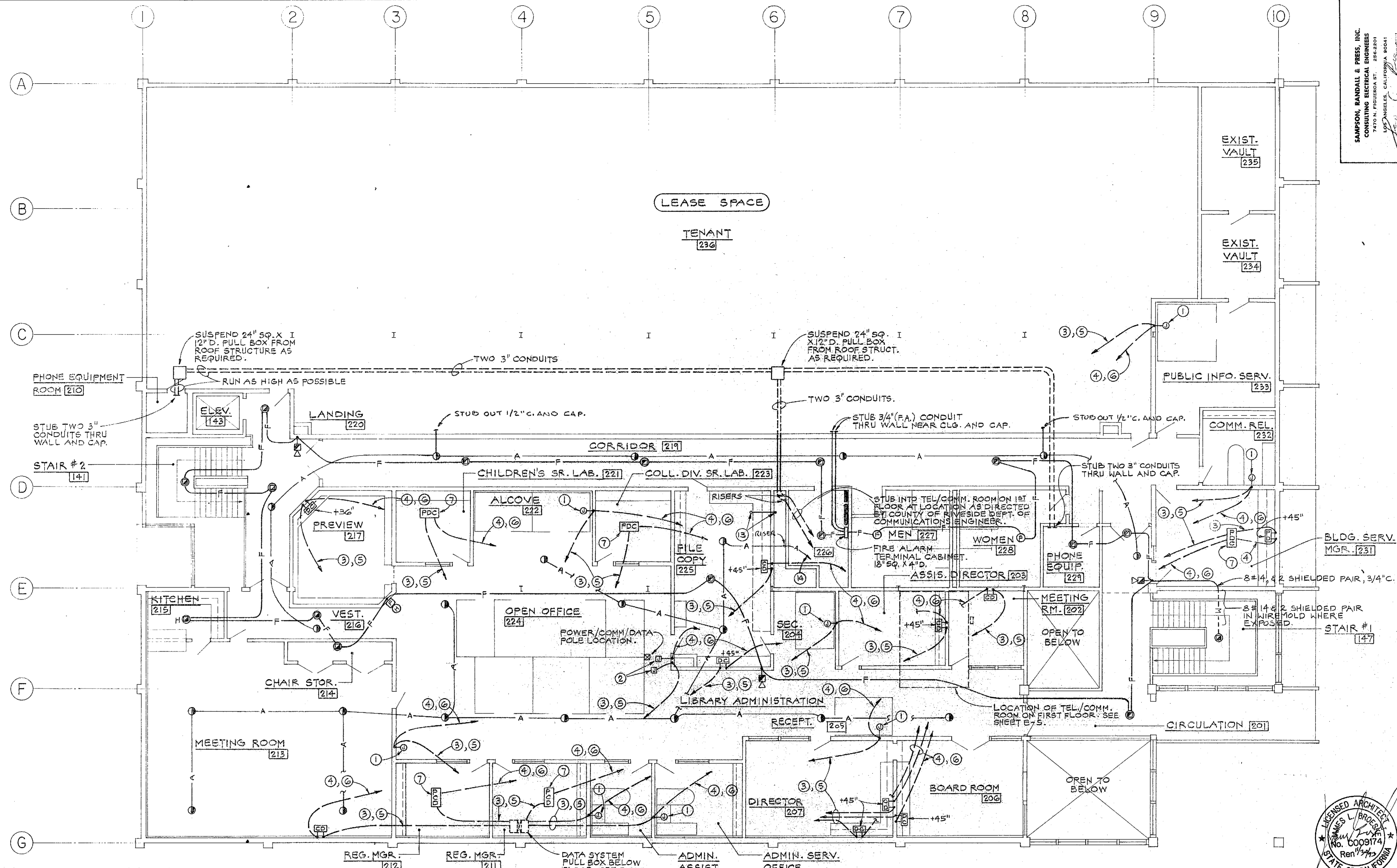
**SECOND FLOOR POWER PLAN**

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



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- 1 INSTALL 3-GANG WALL JUNCTION BOX FOR COMM/DATA SYSTEMS BASE INFIED TO SYSTEMS FURNITURE. VERIFY EXACT LOCATION OF JUNCTION BOX WITH SYSTEMS FURNITURE INSTALLER.
- 2 CEILING MOUNTED JUNCTION BOX FOR COMM/DATA SYSTEMS INFIED TO SYSTEMS FURNITURE.
- 3 3/4" DATA CONDUIT WITH TYPICAL UNLESS SPECIFICALLY NOTED OTHERWISE.
- 4 3/4" COMMUNICATIONS CONDUIT WITH PULLLINE. TYPICAL UNLESS SPECIFICALLY NOTED OTHERWISE.
- 5 RUN TO DATA SYSTEM PULL BOX ABOVE FIRST FLOOR CEILING.
- 6 RUN TO TEL/COMM. ROOM ON FIRST FLOOR. SEE SHEET E-5, TERMINATE CONDUITS AT LOCATIONS AND IN MANNER AS DIRECTED BY COUNTY OF RIVERSIDE COMMUNICATIONS DEPARTMENT ENGINEER.
- 7 POWER/DATA/COMMUNICATIONS POKE-THRU SERVICE FITTING. SEE SPECIFICATIONS.
- 8 INSTALL 24" WIDE X 3" DEEP FLUSH (IN WALL) VERTICAL WIREWAY. WIREWAY SHALL EXTEND FROM SPACE BELOW RAISED FLOOR TO PULL BOX ABOVE CEILING. PROVIDE SECTIONALIZED SCREW-ON COVER FINISHED TO MATCH COLOR OF ADJACENT WALL. PORTION OF WIREWAY BELOW RAISED FLOOR SHALL HAVE SEPARATE REMOVABLE COVER. TOP OF WIREWAY SHALL TERMINATE ON BOTTOM OF ABOVE CEILING PULL BOX. PULL BOX SHALL BE 48" LONG X 30" WIDE X 12" DEEP AND SHALL HAVE OPENING IN BOTTOM TO PROVIDE ACCESS TO VERTICAL WIREWAY. TOP OF PULL BOX SHALL BE IN REMOVABLE (SCREW DOWN) SECTIONS.
- 9 TERMINATE CONDUITS AT LOCATIONS AND IN MANNER AS DIRECTED BY COUNTY OF RIVERSIDE.
- 10 FIRE ALARM SYSTEM TERMINAL CABINET, 24"H X 18"W X 4"D. PROVIDE TERMINALS AS REQUIRED. SEE SPECIFICATIONS.
- 11 FIRE ALARM PANEL. SEE SPECIFICATIONS.
- 12 CONNECT TO ELEVATOR CONTROLS AS REQUIRED. VERIFY WITH ELEVATOR MANUFACTURER'S AUTHORIZED REPRESENTATIVE.
- 13 4# 14 & 1 SHIELDED PAIR, 3/4"C. UP & DOWN. SEE SHEETS E-5 & 9.
- 14 TO PUBLIC ADDRESS SYSTEM JUNCTION BOX IN TELEPHONE ROOM ON FIRST FLOOR.

**GENERAL NOTES**

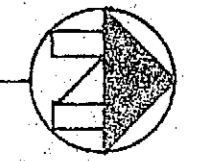
- 1 SEE SHEET E-5 FOR FIRST FLOOR SIGNAL PLAN.
- 2 SEE SHEET E-1 FOR SYMBOLS & NOTES.

**DEMOLITION NOTES**

- 1 DISCONNECT & REMOVE ALL EXISTING FIRE ALARM SYSTEM EQUIPMENT & DEVICES, OUTLET BOXES, BACK-BOXES, CABINETS, TELEPHONES & CONDUIT & WIRING THERETO UNLESS NOTED TO REMAIN.

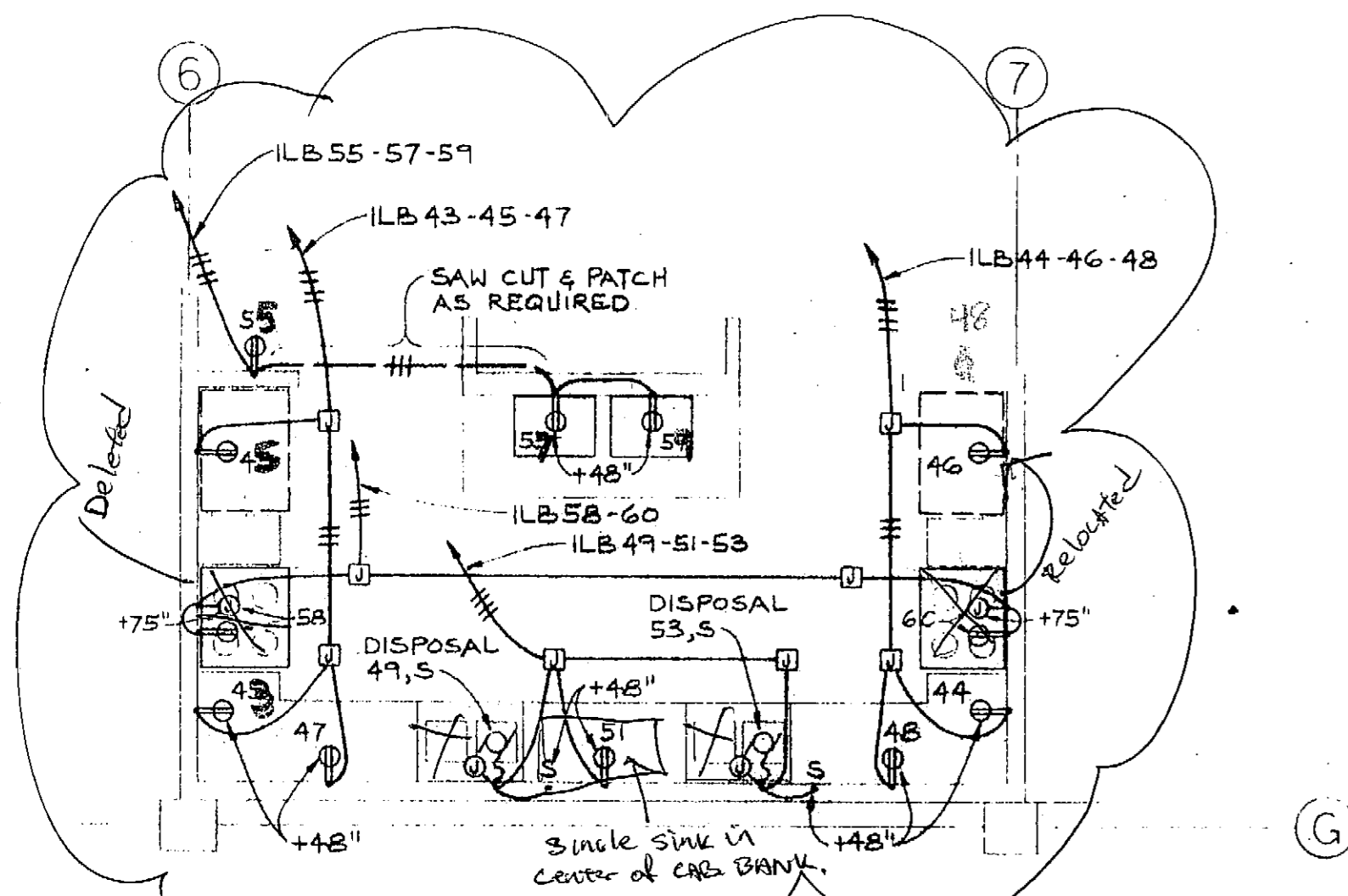
**SECOND FLOOR SIGNAL PLAN**

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



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<b>F-8</b>	
OF	SHEETS



**ENLARGED PLAN-KITCHEN 106**

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

**NOTE**

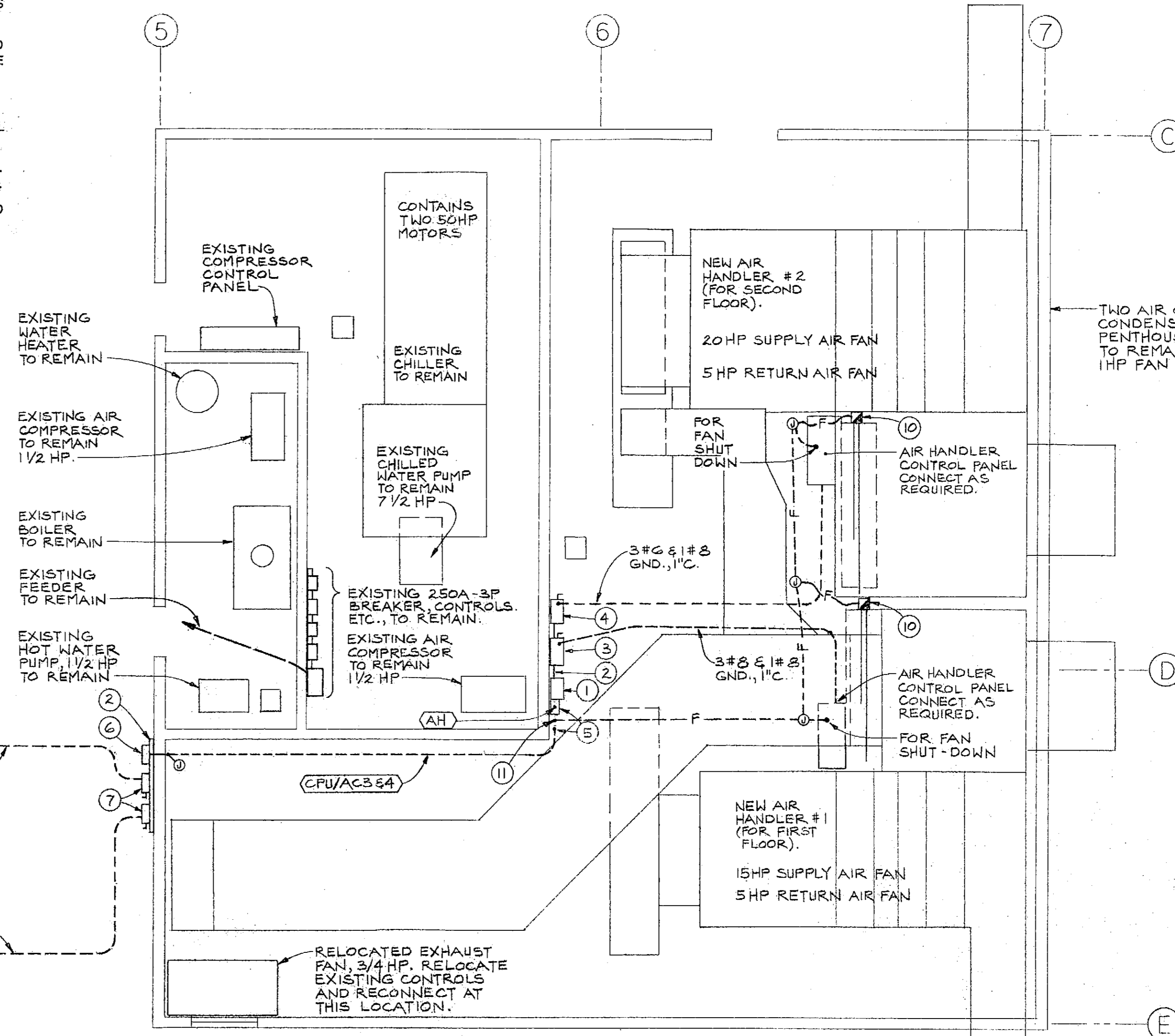
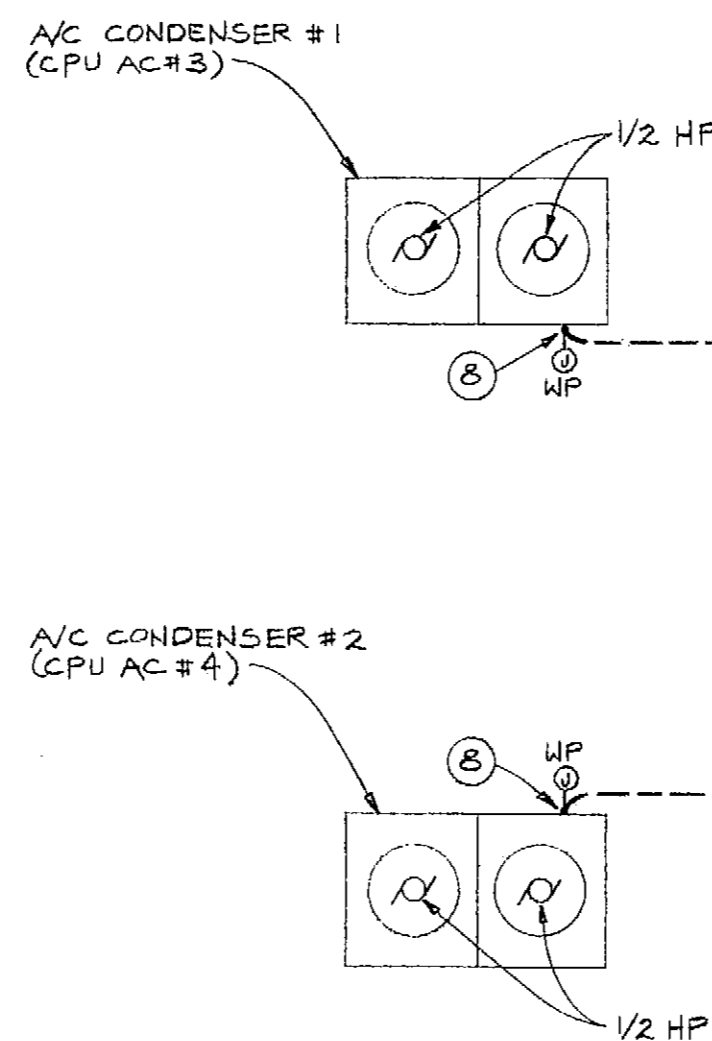
SEE ADDITIONAL POWER REQUIREMENTS ON SHEET E-4

**C.P.U. ROOM REFERENCE NOTES**

- INSTALL PLUG STRIP BELOW RAISED FLOOR AS INDICATED. PLUG STRIP SHALL HAVE SIX 20A, 1G RECEPTACLES AND SHALL BE CONNECTED ALTERNATELY TO THREE CIRCUITS, NEUTRAL AND GROUND FROM THE PDS UNIT.
- TO PDS UNIT, 5#12 (RED HOT, BLUE HOT, BLACK HOT, ORANGE GROUND, GREEN EQUIPMENT GROUND AND 1#10 WHITE NEUTRAL), 3/4". CONNECT TO BREAKERS IN PDS UNIT AS DIRECTED.
- VERTICAL RACEWAY AND PULL BOX (ABOVE CEILING). SEE SHEET E-5.
- RUN FEEDERS TO MAIN SWITCHBOARDS IN ELECTRICAL ROOM. SEE SINGLE LINE DIAGRAM.
- RUN FEEDER UNDER RAISED FLOOR TO UNIT AND CONNECT AS REQUIRED.
- CONDUIT AND WIRES AS REQUIRED TO ROOF MOUNTED PCU/AC-3 AND PCU/AC-4 UNITS. SEE PARTIAL ROOF PLAN ON SHEET E-9.
- INSTALL 12" W. X 4" D. VERTICAL GUTTER FROM PANEL ILE TO BELOW RAISED FLOOR AND INSTALL BUSHING. PROVIDE REMOVABLE COVER ON PORTION OF GUTTER ABOVE REMOVABLE RAISED FLOOR. PORTION OF GUTTER BELOW RAISED FLOOR SHALL BE "OPEN" (NO COVER).

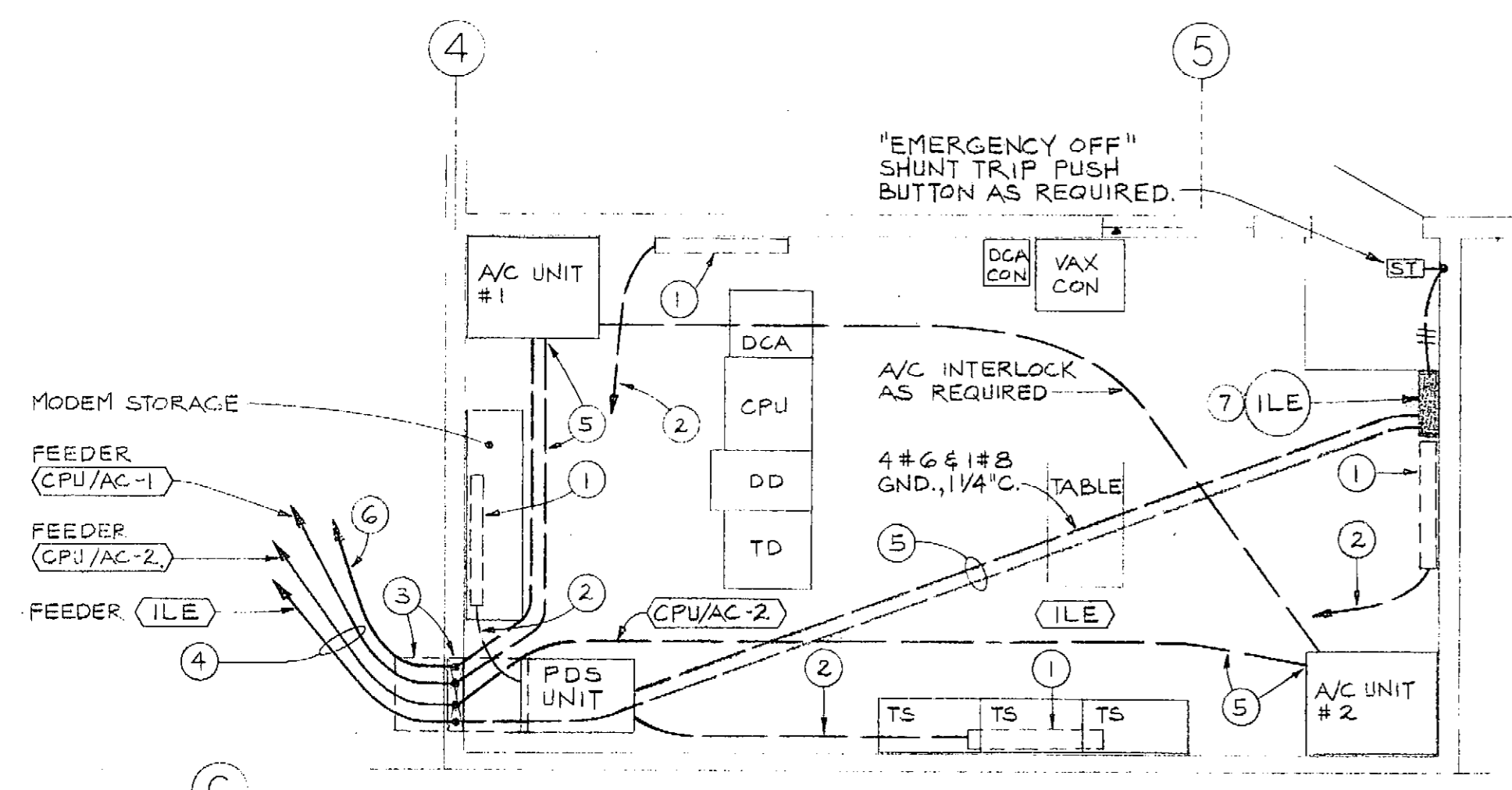
**PENTHOUSE & PARTIAL ROOF PLAN REFERENCE NOTES**

- INSTALL 125A-3P MOLDED CASE SWITCH IN NEMA 1 ENCLOSURE.
- INSTALL 2-1/2" SQ. LAY-IN DUCT, LENGTH AS REQUIRED.
- INSTALL 60A-3P, 600V. HEAVY DUTY FUSIBLE DISCONNECT SWITCH. FUSES SHALL BE OF SIZE AS RECOMMENDED BY EQUIPMENT MANUFACTURER.
- INSTALL 100A-3P, 600V., HEAVY DUTY FUSIBLE DISCONNECT SWITCH. FUSES SHALL BE OF SIZE AS RECOMMENDED BY EQUIPMENT MANUFACTURER.
- RUN FEEDERS (AH) AND (CPU/AC 3&4) DOWN TO FIRST FLOOR CEILING AND FROM THERE, TO MAIN 480 VOLT SWITCHBOARD IN MAIN ELECTRICAL ROOM, SEE SINGLE LINE DIAGRAM ON SHEET E-1 AND SHEET E-7
- INSTALL 30A-3P MOLDED CASE SWITCH IN NEMA 3R ENCLOSURE.
- INSTALL 30A-3P, 600V. HEAVY DUTY FUSIBLE DISCONNECT SWITCH. FUSES SHALL BE OF SIZE AS RECOMMENDED BY EQUIPMENT MANUFACTURER.
- VERIFY EXACT LOCATION FOR CONNECTION AND INSTALL WP CONDULET. CONNECT TO UNIT WITH 3 #12 AND 1 #12 GND., 1/2" SEALTITE FLEX. CONDUIT.
- RUN EXPOSED ON ROOF, PROVIDE REDWOOD BLOCKS UNDER GALVANIZED RIGID STEEL CONDUITS AND SECURE AS REQUIRED.
- DUCT SMOKE DETECTOR. VERIFY EXACT LOCATION AND CONNECT AS REQUIRED.
- DOWN TO SECOND FLOOR. SEE SHEET E-8.



**ENLARGED PLAN-PENTHOUSE & PARTIAL ROOF**

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



**ENLARGED PLAN-C.P.U. ROOM 112**

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

DEDUCTIVE ALTERERENATE NO.

DELETE ALL CONDUCTORS AND COMPUTER RECEPTACLES FOR THE COMPUTER SYSTEM. ALL CONDUIT, OUTLET BOXES, PULL BOXES, ETC., THAT CONSTITUTE THE ELECTRICAL "ROUGH-IN" WORK SHALL REMAIN. ALL EMPTY CONDUITS SHALL BE EQUIPPED WITH A 1/8" DIA. POLYETHYLENE FILL ROPES SHALL BE TAGGED AND IDENTIFIED AS TO POINT OF ORIGIN.

COMPUTER EQUIPMENT SCHEDULE				
UNIT DESIGNATION	VOLTAGE & PHASE	WATTAGE	RECEPTACLE REQUIRED	FED FROM
PDS H7224-AA	120/208 3	15,000	JUNCTION BOX	PANEL ILE
CPU 63A18-AE	120/208 3	3,490	IGL21-20R	PDS
TD TUBIE-BA	120 1	480	IG-L5-30R	PDS
DCA DELNI-BA	120 1	40	IG NEMA 5-15R (2)	PDS
DCA DEMSA-AA	120 1	140	IG-5-15R	PDS
DCA DSRVB	120 1	220	IG-5-15R	PDS
LG31-A2	120 1	540	IG-5-15R	PDS
DD RA81-EA	120 1	2,300	IG-L5-30R	PDS
DD RA81-EA	120 1	2,300	IG-L5-30R	PDS
CPU RA90-NA	120 1	370	N/A	PDS
TERMINAL VT 320-AA	120 1	180	IG-5-15R	PDS
DCA	120 1	1,600	IG-5-15R	PDS
CPU RA90-NA	120 1	370	N/A	PDS

120/208 VOLTS 3 PHASE 4 WIRE		PANEL "ILE"		MAIN BKR: 100A-3P WITH SHUNT TRIP 100 A. BUSSING	
LOCATION CPU ROOM 112		FEEDER (ILE)		ENTER CAB'T. AT BOTTOM SURFEMTG.	
LOCATION	WATTAGE A B C	LT REC	MIS CIR	BKR	LOCATION
SPACE				20-1	PRINTER, R.M.III
				20-1	PRINTER, R.M.III
				20-1	SPACE
SPACE				IP	SPACE
				IP	SPACE
SPACE				50A 3P	PDS (POWER DIST. SYSTEM) UNIT
				5000	
				5000	
				5000	
				41	
				20	
				13	
				12	
				11	
				10	
				9	
				8	
				7	
				6	
				5	
				4	
				3	
				2	
				1	

A = 5,360 W      B = 5,360 W      C = 5,000 W.  
 TOTAL CONNECTED LOAD: 15,720 WATTS OR 44 AMPERES @ 208 VOLTS, 3Φ  
 PROVIDE 12" HIGH BOTTOM GUTTER IN PANEL ILE. PROVIDE OPENING IN BOTTOM OF CABINET FOR CONNECTION OF VERTICAL GUTTER.

**ENLARGED PLANS & SCHEDULES**

SAMPSON, RANDALL & PRESS, INC.  
CONSULTING ELECTRICAL ENGINEERS  
1000 FREDERICK ST. SUITE 200  
LOS ANGELES, CALIFORNIA 90011  
ROBERT A. WITTRY 3175

REVISIONS	BY

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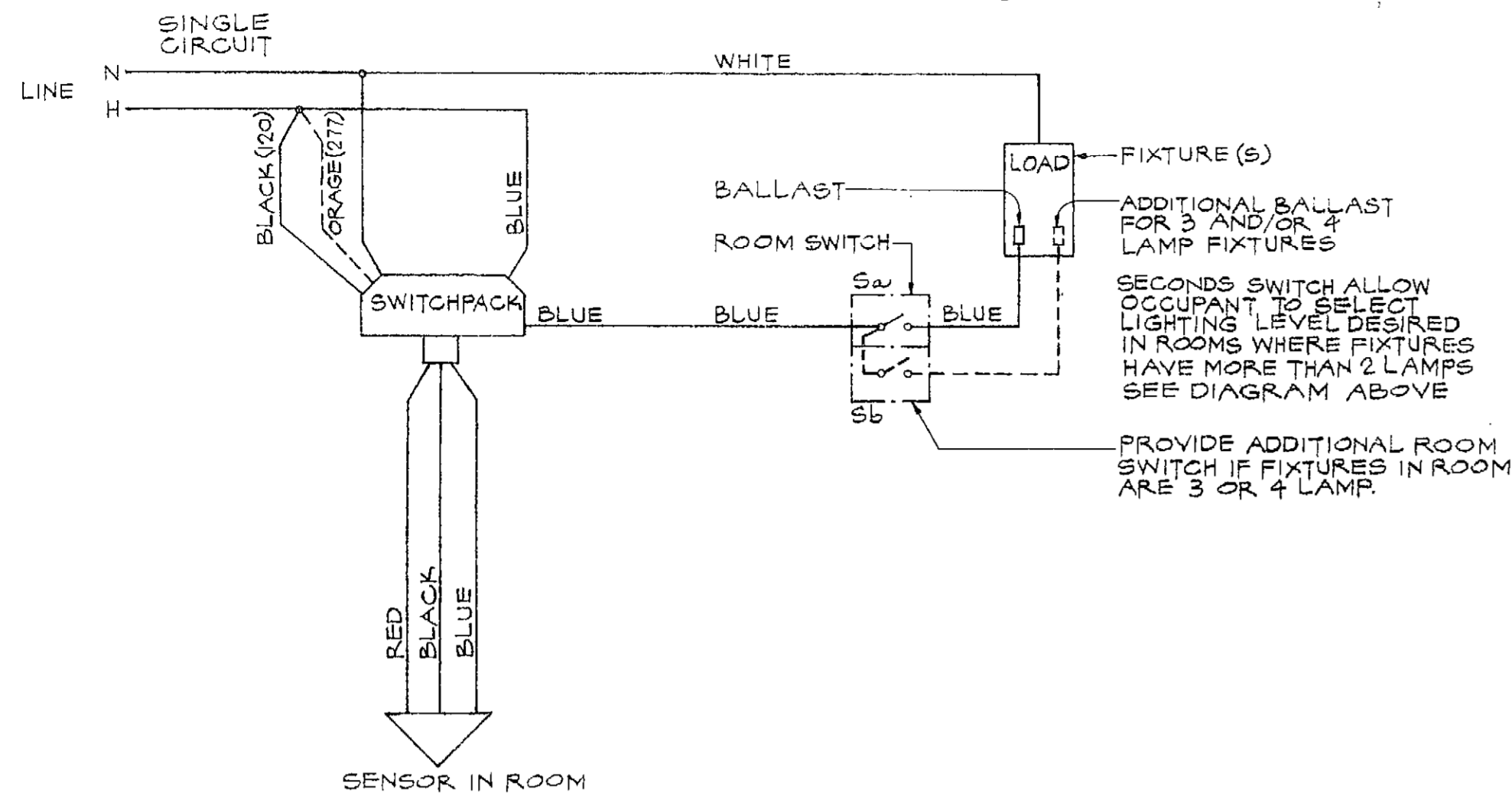
RIVERSIDE Library Headquarters  
3021 Franklin Street  
Riverside, Ca.

DRAWN D.E.  
CHECKED BARCLAY  
DATE  
SCALE AS NOTED  
JOB NO. 91002  
SHEET  
**E-9**  
OF SHEETS



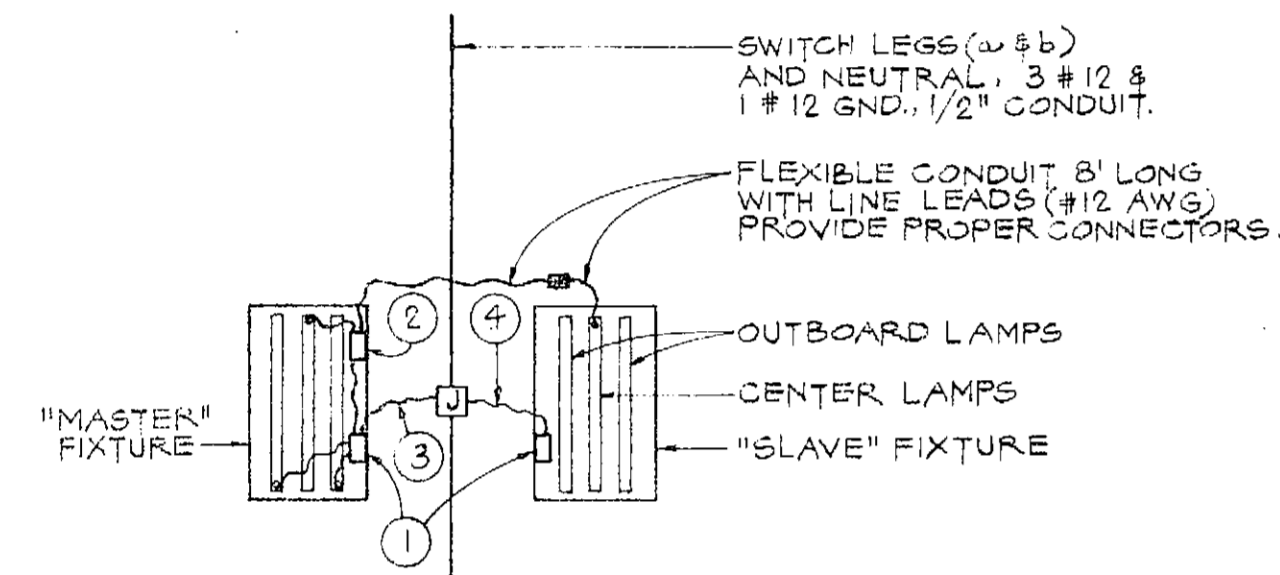






### AUTOMATIC LIGHTING CONTROL DIAGRAM

NOT TO SCALE

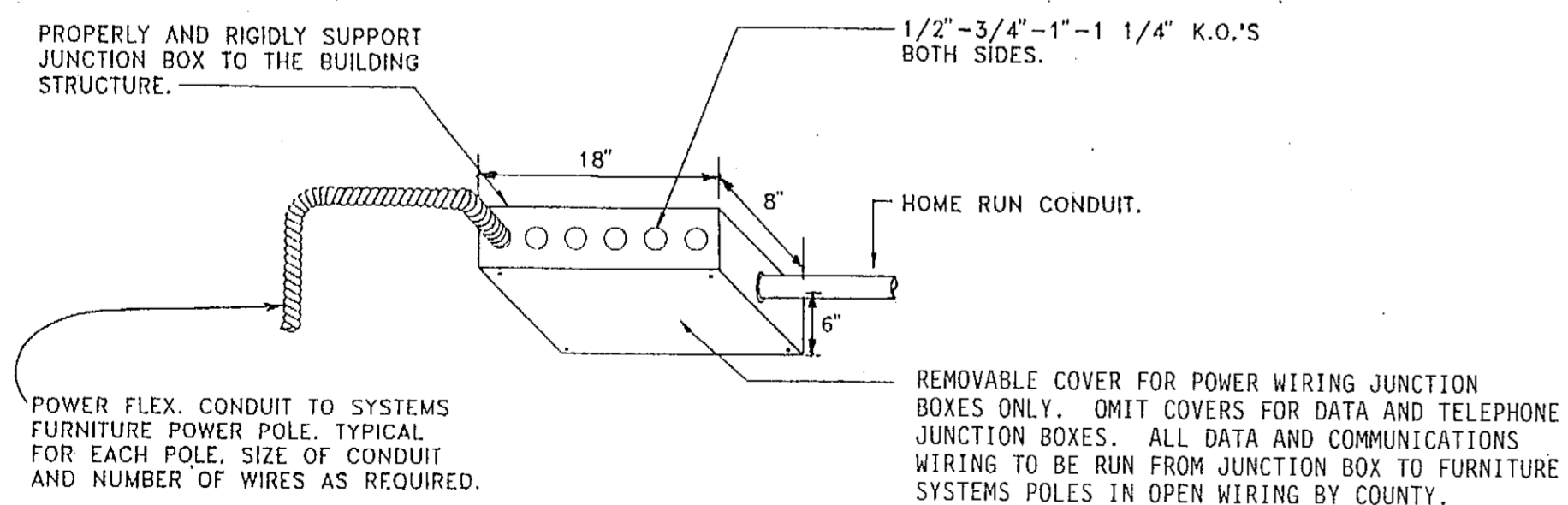


### TANDEM WIRED FOR MULTI-LEVEL LIGHTING

- 1 2-LAMP BALLAST CONTROLS OUTBOARD LAMPS
- 2 2-LAMP BALLAST CONTROLS CENTER LAMP IN "MASTER" AND "SLAVE" FIXTURE
- 3 #12 & 1 #12 GND., 1/2" FLEX. CONDUIT (SWITCH LEGS w & b & NEUTRAL).
- 4 2 #12 & 1 #12 GND., 1/2" FLEX. CONDUIT (SWITCH LEG w & NEUTRAL)

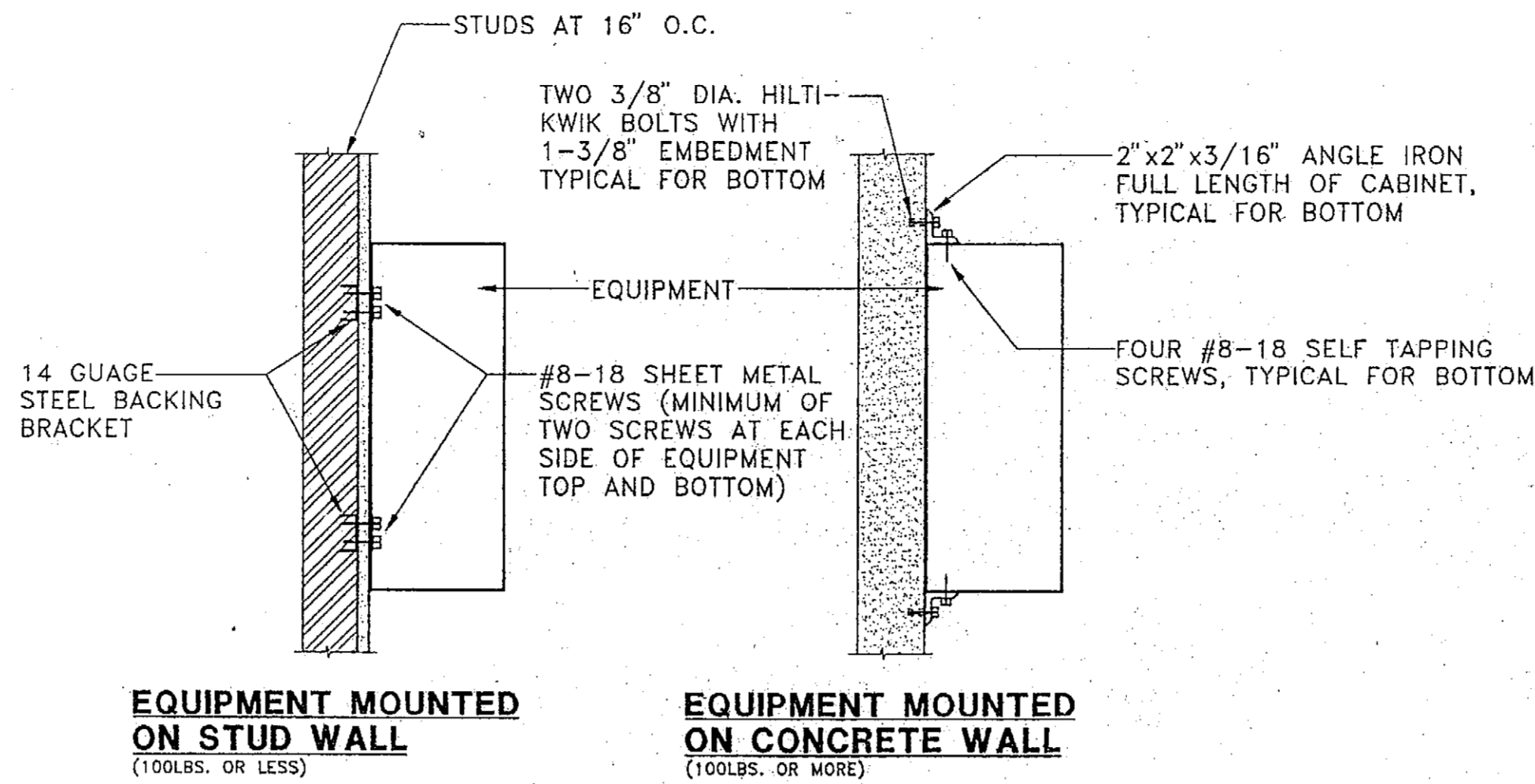
### TYPICAL WIRING FOR 3-LAMP FIXTURES WHEN TWO OR MORE OCCUR IN ONE ROOM

NOT TO SCALE



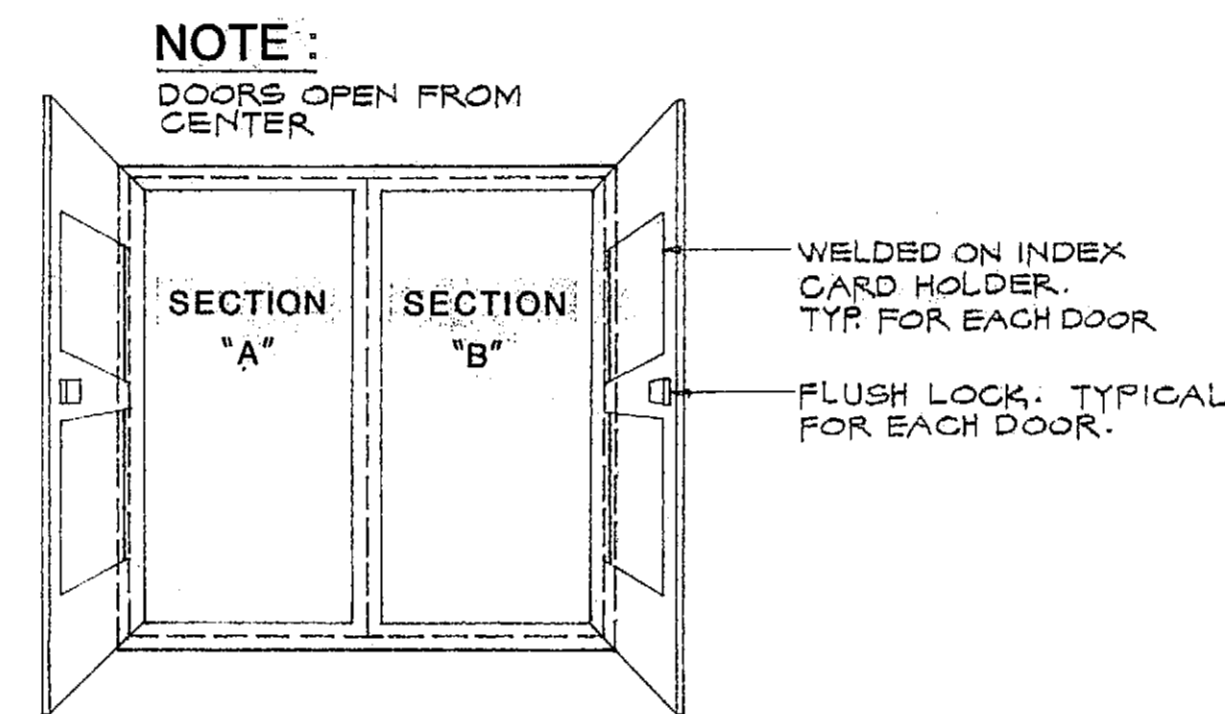
### DETAIL OF SPECIAL JUNCTION BOX ABOVE SUSPENDED CEILING FOR POWER, COMMUNICATIONS AND DATA SYSTEMS

8" x 6" x 18"



### ELECTRICAL EQUIPMENT ANCHORAGE DETAILS

NOT TO SCALE

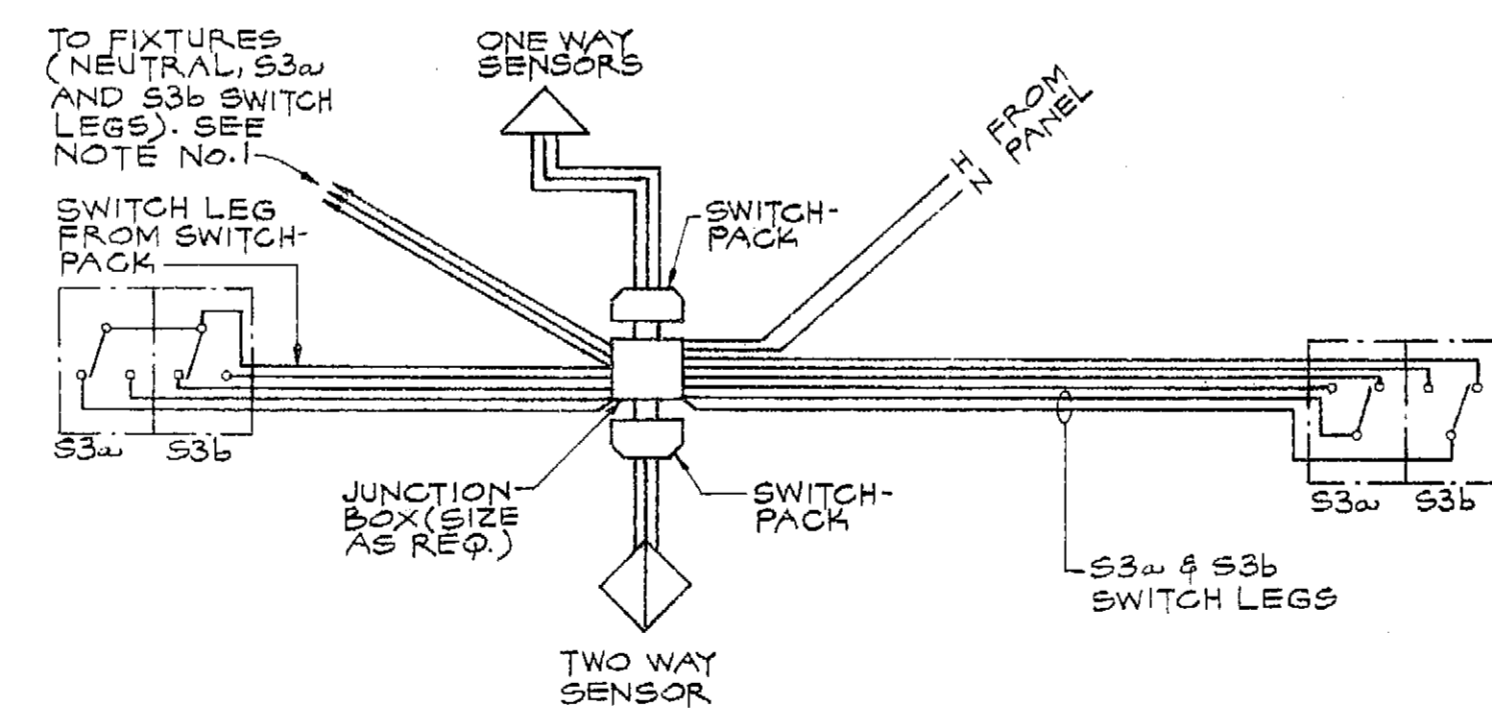


### ELEVATION

### TYPICAL DOUBLE WIDTH PANEL

NOT TO SCALE

SEE SPECIFICATION SECTION 16160 FOR ADDITIONAL PANEL REQUIREMENTS.



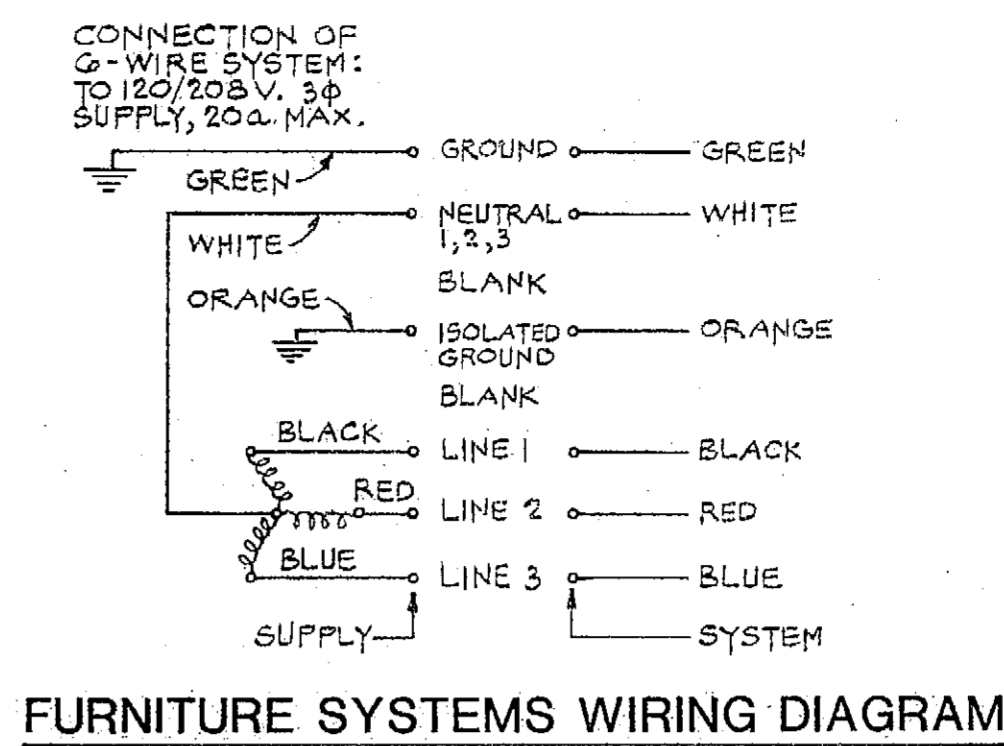
### ALCOVE 222 AND OPEN OFFICE 224

### SCHEMATIC LIGHTING CONTROL DIAGRAM

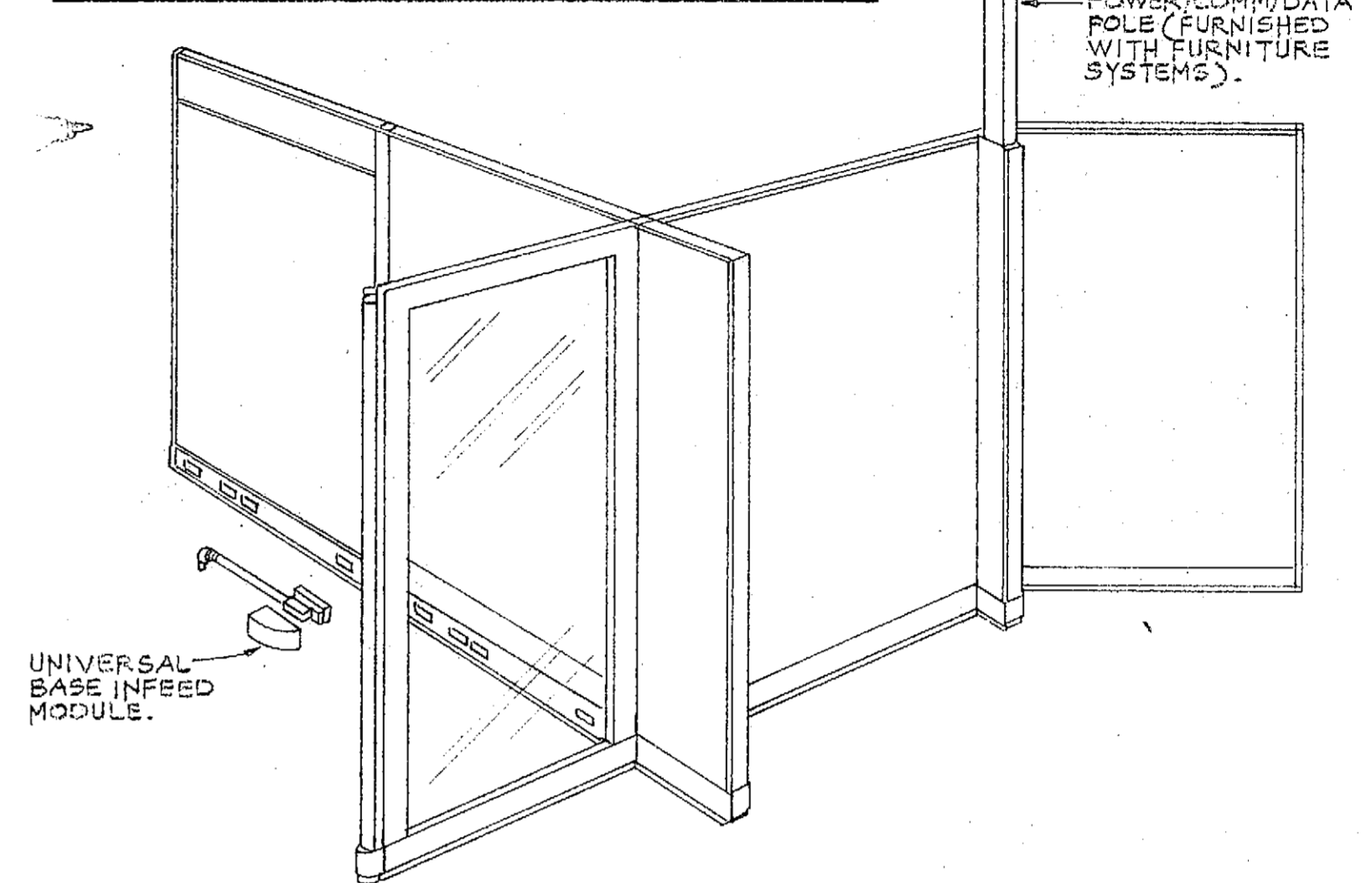
NOT TO SCALE

### NOTES:

1. SWITCH "S3w" SHALL CONTROL CENTER LAMP OF EACH FIXTURE AND SWITCH "S3b" SHALL CONTROL TWO OUTBOARD LAMPS OF EACH FIXTURE.
2. SWITCHPACK/SENSORS SHALL BE WIRED IN PARALLEL.

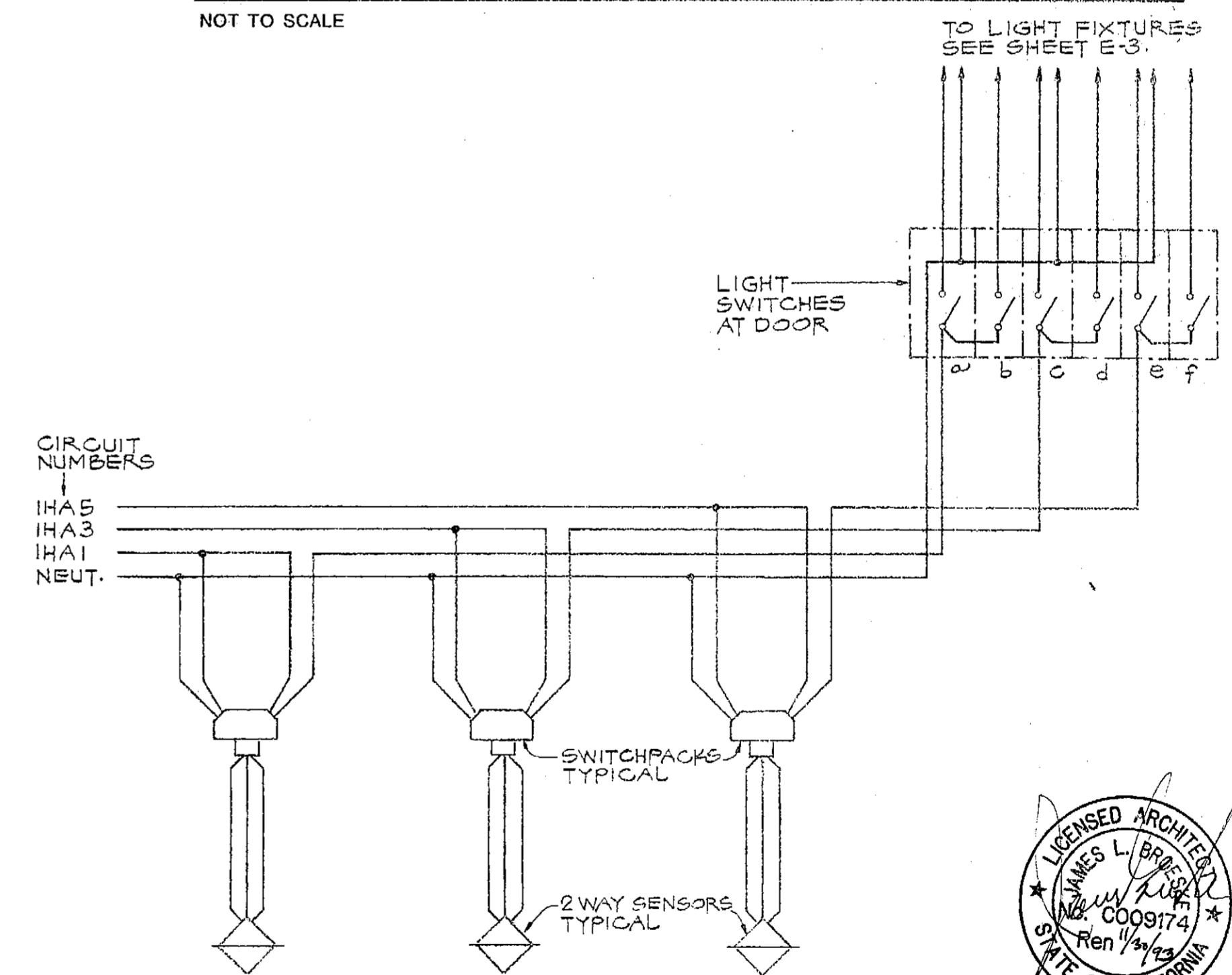


### FURNITURE SYSTEMS WIRING DIAGRAM



### FURNITURE SYSTEM EXAMPLE (FOR INFORMATION ONLY)

NOT TO SCALE



### TECHNICAL SERVICES ROOM

### AUTOMATIC LIGHTING CONTROL DIAGRAM

NOT TO SCALE

### ELECTRICAL DETAILS

SCALE: AS NOTED

SAMPSON, RANDALL & PRIES, INC.  
CONSULTING ELECTRICAL ENGINEERS  
7470 N. FIGUEROA ST. 91620  
LOS ANGELES, CALIFORNIA 90041

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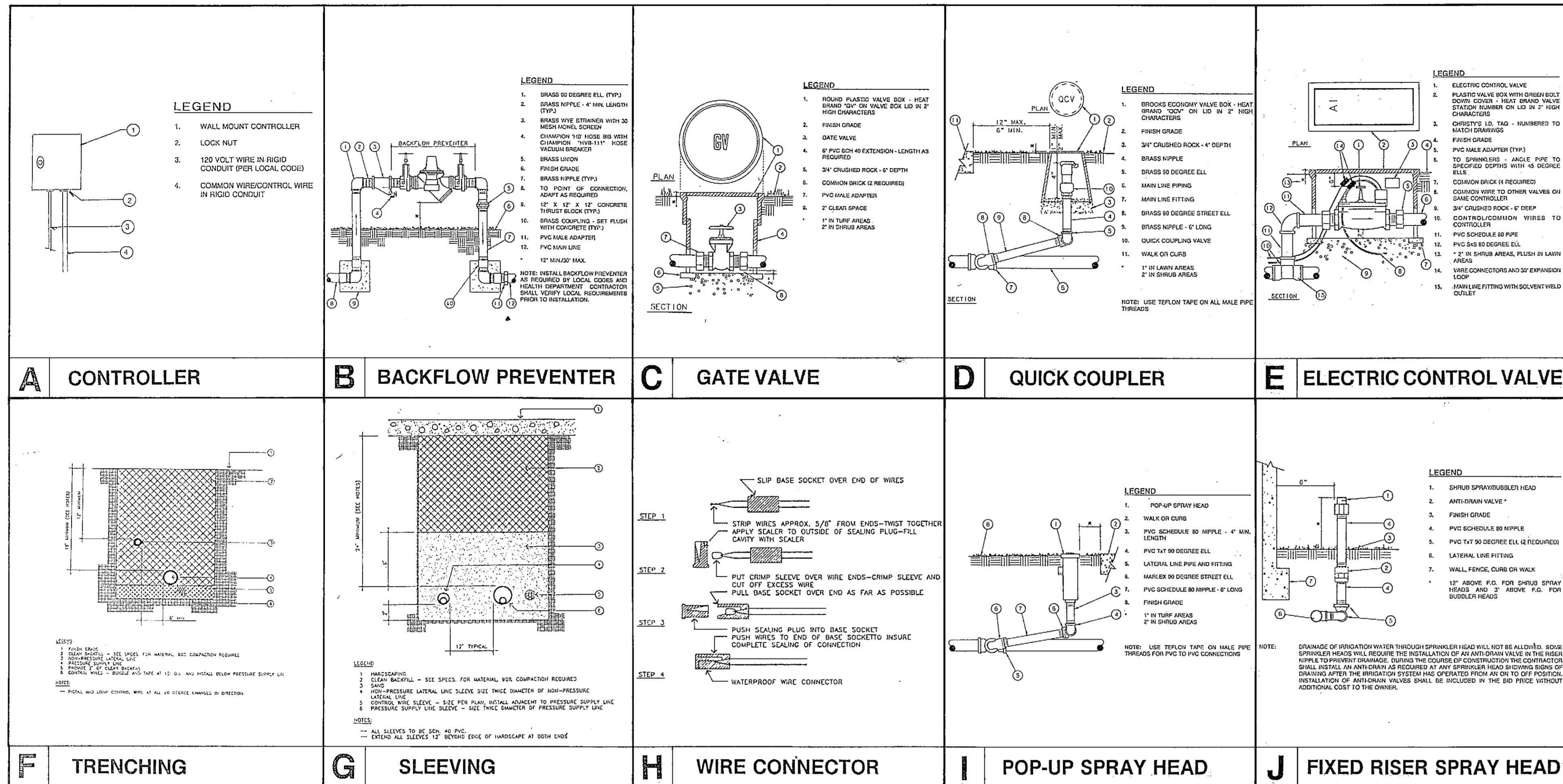
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CHECKED BARCLAY
DATE 12-12-91
SCALE AS NOTED
JOB NO. 91002
SHEET
E-12

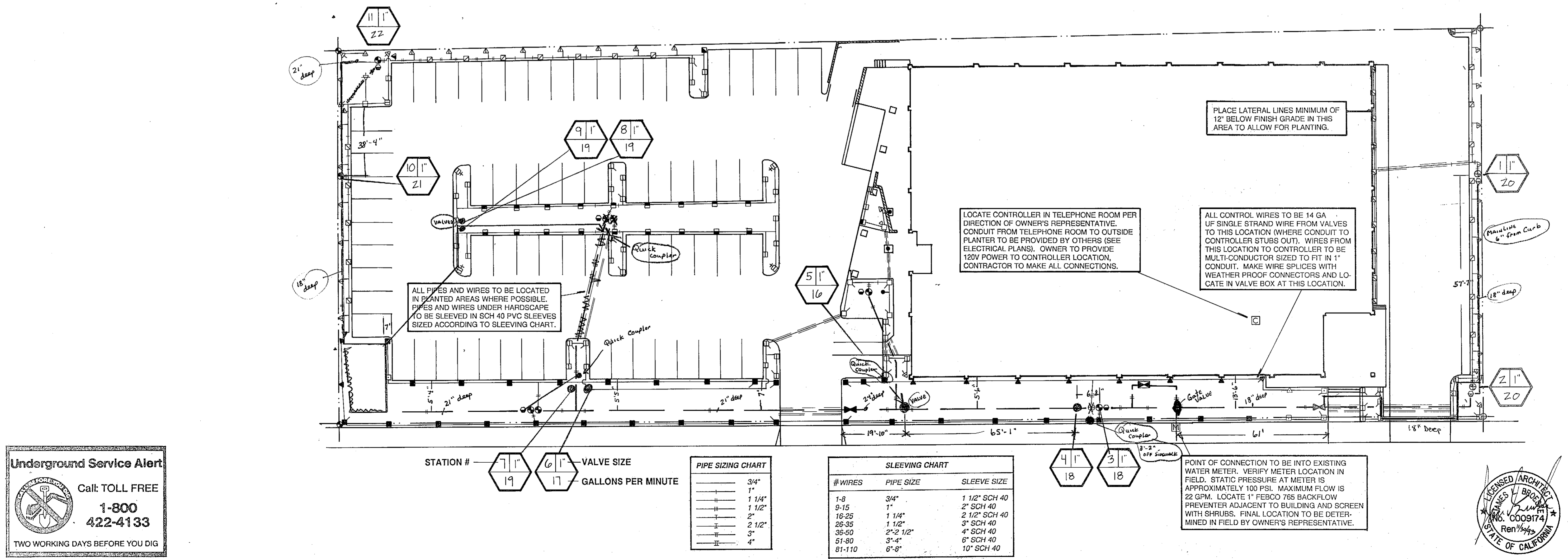


### EQUIPMENT LEGEND

SYM.	MANUFACTURER/MODEL	DESCRIPTION	SIZE	DETAIL
[M]	EXISTING	WATER METER	1"	N/A
[V]	FEBCO 785 SERIES	PRESSURE VACUUM BREAKER	1"	'B'
[X]	NIBCO T-113	BRONZE GATE VALVE	LINE SIZE	'C'
[Q]	RAINBIRD #33DLRC	QUICK COUPLING VALVE	3/4"	'D'
[E]	RAINBIRD 100-DV-F	REMOTE CONTROL ELECTRIC VALVE	1"	'E'
[C]	HARDIE RD 1200-IN	AUTOMATIC IRRIGATION CONTROLLER	12 STATION	'A'
[F]	APPROVED	SCH 40 PVC MAINLINE	PLAN SIZE	'F'
[L]	APPROVED	CLASS 200 PVC LATERAL LINE	PLAN SIZE	'F'
[S]	APPROVED	SCH 40 PVC PIPE/WIRE SLEEVE	PLAN SIZE	'G'
[W]	NOT SHOWN	UF DIRECT BURIAL CONTROL WIRE	14 GA	'H'

### SPRINKLER LEGEND

SYM.	MANUFACTURER/MODEL	DESCRIPTION	NOZZLE	RADIUS	GPM	PSI	DETAIL
[R]	RAINBIRD PA-8S	SHRUB FIXED RISER SPRAY HEAD	10Q	10'	0.4	30	'I'
[R]			10H	10'	0.8	30	'I'
[R]			10F	10'	1.6	30	'I'
[R]			12Q	12'	.65	30	'I'
[R]			15SST	4x15'	0.6	30	'I'
[R]			15SST	4x30'	1.2	30	'I'
[R]			16H-SLA	16'	1.6	30	'I'
[R]			22Q-SS	22'	0.8	30	'I'
[R]			22H-SS	22'	1.6	30	'I'
[R]	RAINBIRD 1806	SHRUB HI-POP SPRAY HEAD	10Q	10'	0.4	30	'I'
[R]			10T	10'	0.6	30	'I'
[R]			10H	10'	0.8	30	'I'
[R]			12Q	12'	.65	30	'I'
[R]			12H	12'	1.3	30	'I'
[R]			15Q	15'	0.9	30	'I'
[R]			15VAN	VAR.	0.9	30	'I'
[R]			15VAR	VAR.	3.0	'I'	
[R]			15SST	4x15'	0.6	30	'I'
[R]			15SST	4x30'	1.2	30	'I'
[R]			16Q-SLA	16'	0.8	30	'I'
[R]			16H-SLA	16'	1.6	30	'I'
[R]			22Q-SS	22'	0.8	30	'I'
[R]			22H-SS	22'	1.6	30	'I'
[R]	RAINBIRD 1300A-F	ADJUSTABLE FLOOD BUBBLER	N/A	N/A	1.0	30	'I'



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**IRRIGATION PLAN AND DETAILS**

SHEET DESCRIPTION:

REGISTERED LANDSCAPE ARCHITECT  
TIMOTHY I. MALONEY NO. 21010  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
STATE OF CALIFORNIA

DATE: 10-91  
JOB NO.: 910932  
DRAWN: RD  
CHECKED: MS  
REVISIONS:

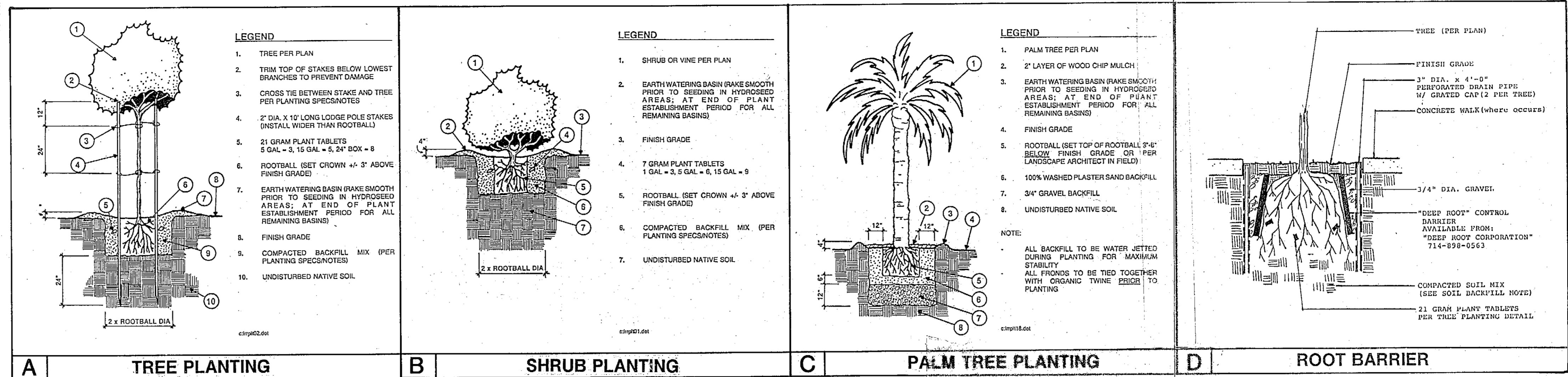
SCALE: 1" = 20'

L-1

1 OF 2

**LICENSED ARCHITECT**

JAMES J. BROWN  
No. 0009174  
Ren 1/24/92  
STATE OF CALIFORNIA



**PLANT LEGEND**

SYMBOL	BOTANICAL NAME	SIZE	DETAIL	COMMON NAME
<b>TREES</b>				
⊙	ULMUS PARVIFOLIA	15 GAL.	A	CHINESE EVERGREEN ELM
⊙	KOELREUTERIA BIPINNATA	24" BOX	A,D	CHINESE FLAME TREE
⊙	EUCALYPTUS CITRIODORA	5 GAL.	A	LEMON SCENTED GUM
⊙	WASHINGTONIA FILIFERA	12" BROWN TRUNK	C	MEXICAN FAN PALM (TRANSPLANTED)
<b>SHRUBS</b>				
⊙	RAPHIOLEPIS INDICA 'SPRINGTIME'	5 GAL.	B	INDIA HAWTHORNE
⊙	XYLOSMA CONGESTUM	5 GAL.	B	XYLOSMA
⊙	PITTIOSPORUM TOBIRA 'VARIEGATA'	5 GAL.	B	VARIEGATED TOBIRA
⊙	LIRIOPE MUSCARI	1 GAL.	B	BIG BLUE TURF LILY
⊙	AGAPANTHUS ORIENTALIS	1 GAL.	B	LILY OF THE NILE
<b>VINES</b>				
⊙	PARTHENOCISSUS TRICUSPIDATA	1 GAL.	B	BOSTON IVY
<b>GROUND COVER</b>				
⊙	TRACHELOSPERMUM JASMINOIDES	ROOTED CUTTINGS	12" O.C.	STAR JASMINE
⊙	VINCA MINOR	ROOTED CUTTINGS	8" O.C.	TWEEPE PERIWINKLE

