

INDEX OF SHEETS

ARCHITECTURAL LARGE SHEETS

- A-101 INDEX OF SHEETS
- A-102 SITE PLAN
- A-103 BASEMENT PLAN
- A-104 BASEMENT REFLECTED CEILING PLAN
- A-105 TUNNEL - BEAM & SECTIONS
- A-105A TUNNEL - REFLECTED CEILING, SECTIONS & DETAILS
- A-105B TUNNEL DETAILS
- A-106 PLAZA, PLAN
- A-107 GROUND FLOOR PLAN
- A-108 GROUND FLOOR REFLECTED CEILING PLAN
- A-109 SECOND FLOOR PLAN
- A-110 SECOND FLOOR REFLECTED CEILING PLAN
- A-111 THIRD FLOOR PLAN
- A-112 THIRD FLOOR REFLECTED CEILING PLAN
- A-113 FOURTH FLOOR PLAN
- A-114 FOURTH FLOOR REFLECTED CEILING PLAN
- A-115 FIFTH FLOOR PLAN
- A-116 FIFTH FLOOR REFLECTED CEILING PLAN
- A-117 SIXTH FLOOR PLAN
- A-118 SIXTH FLOOR REFLECTED CEILING PLAN
- A-119 SEVENTH FLOOR PLAN
- A-120 SEVENTH FLOOR REFLECTED CEILING PLAN
- A-121 EIGHTH FLOOR PLAN
- A-122 EIGHTH FLOOR REFLECTED CEILING PLAN
- A-123 NINTH FLOOR PLAN
- A-124 NINTH FLOOR REFLECTED CEILING PLAN
- A-125 ROOF PLAN
- A-126 BUILDING ELEVATIONS
- A-127 BUILDING ELEVATIONS
- A-128 BUILDING SECTIONS LOOKING NORTH
- A-129 BUILDING SECTIONS LOOKING EAST
- A-130 CORE PLAN & ELEVATIONS
- A-131 CORE PLAN & ELEVATIONS
- A-132 CORE PLAN & ELEVATIONS
- A-133 CORE PLAN & ELEVATIONS
- A-134 STAIR SECTIONS
- A-135 CORE PLANS & ELEVATOR HOISTWAY SECTION
- A-136 BASEMENT INTERIOR ELEVATIONS
- A-137 GROUND FLOOR INTERIOR ELEVATIONS
- A-138 FIRST, SECOND & THIRD FLOOR INTERIOR ELEVATIONS
- A-139 FOURTH FLOOR INTERIOR ELEVATIONS
- A-140 FIFTH & SEVENTH FLOOR INTERIOR ELEVATIONS
- A-141 SIXTH FLOOR INTERIOR ELEVATIONS
- A-142 NINTH FLOOR INTERIOR ELEVATIONS
- A-143 NINTH FLOOR INTERIOR ELEVATIONS

ARCHITECTURAL SMALL SHEETS

- A-0 ROOM FINISH SCHEDULE - BASEMENT
- A-1 ROOM FINISH SCHEDULE - FIRST FLOOR
- A-2 ROOM FINISH SCHEDULE - SECOND FLOOR
- A-3 ROOM FINISH SCHEDULE - THIRD FLOOR
- A-4 ROOM FINISH SCHEDULE - FOURTH FLOOR
- A-5 ROOM FINISH SCHEDULE - FIFTH FLOOR
- A-6 ROOM FINISH SCHEDULE - SIXTH FLOOR
- A-6A ROOM FINISH SCHEDULE - SIXTH FLOOR (CONTINUED)
- A-7 ROOM FINISH SCHEDULE - SEVENTH FLOOR
- A-7A ROOM FINISH SCHEDULE - SEVENTH FLOOR (CONTINUED)
- A-8R ROOM FINISH SCHEDULE - EIGHTH FLOOR
- A-9 ROOM FINISH SCHEDULE - NINTH FLOOR
- A-9A ROOM FINISH SCHEDULE - NINTH FLOOR (CONTINUED)
- A-9B ROOM FINISH SCHEDULE - PENTHOUSE
- A-10 PLAZA & RAMP SECTIONS
- A-11 PLAZA & RAMP SECTIONS
- A-12 PLAZA DETAILS
- A-13 PLAZA DETAILS
- A-14 PLAZA DETAILS
- A-15 PLAZA DETAILS
- A-16 LANDSCAPE PLANS & PLANT LIST
- A-17 BASEMENT & DOCK SECTIONS & DETAILS
- A-18 SUBSURFACE DRAINAGE PLAN
- A-21 COLUMN DETAILS
- A-22 BASEMENT COLUMN DETAILS
- A-23 INTERIOR COLUMN DETAILS
- A-30 PERIMETER COLUMN DETAILS
- A-31 PERIMETER BEAM DETAILS
- A-32 PERIMETER BEAM ELEVATIONS
- A-33 PERIMETER BEAM DETAILS
- A-34 EXTERIOR WALL DETAILS
- A-35 PARTITION TYPES & DETAILS
- A-36 PARTITION TYPES & DETAILS (CORE)
- A-37 PARTITION TYPES & DETAILS
- A-38 PARTITION TYPES & DETAILS
- A-39 PARTITION TYPES & DETAILS
- A-39A FIXED PARTITION TYPES & DETAILS
- A-39B MOVABLE PARTITION SYSTEM DETAILS
- A-39C PARTITION TYPES & DETAILS
- A-40 CURTAINMALL DETAILS - FIRST FLOOR
- A-41 CURTAINMALL DETAILS - FIRST FLOOR
- A-42 CURTAINMALL DETAILS
- A-43 CURTAINMALL DETAILS - FLOORS 2-9
- A-44 CURTAINMALL & INTERIOR GLASS WALL DETAILS
- A-45 CURTAINMALL DETAILS - FLOORS 2-9
- A-46 LOUVER DETAILS
- A-47 DETAILS & PARTN DETAILS - BASEMENT
- A-50 DOOR SCHEDULE - BASEMENT
- A-50A DOOR SCHEDULE - BASEMENT (CONTINUED)
- A-51 DOOR SCHEDULE - FIRST FLOOR
- A-52 DOOR SCHEDULE - SECOND FLOOR
- A-53 DOOR SCHEDULE - THIRD FLOOR
- A-54 DOOR SCHEDULE - FOURTH FLOOR
- A-55 DOOR SCHEDULE - FIFTH FLOOR
- A-56 DOOR SCHEDULE - SIXTH FLOOR
- A-56A DOOR SCHEDULE - SIXTH FLOOR (CONTINUED)
- A-57 DOOR SCHEDULE - SEVENTH FLOOR
- A-57A DOOR SCHEDULE - SEVENTH FLOOR (CONTINUED)
- A-58R DOOR SCHEDULE - EIGHTH FLOOR
- A-59 DOOR SCHEDULE - NINTH FLOOR
- A-59A DOOR SCHEDULE - NINTH FLOOR (CONTINUED)
- A-59B DOOR SCHEDULE - PENTHOUSE
- A-60 MILLWORK DETAILS
- A-61 MILLWORK DETAILS
- A-62 MILLWORK DETAILS
- A-63 MILLWORK DETAILS
- A-64 MILLWORK DETAILS
- A-70 CEILING DETAILS
- A-71 CEILING DETAILS
- A-80 STAIR DETAILS
- A-81 LADDER DETAILS - FLOOR HATCH DETAILS
- A-90 RESTROOM DETAILS
- A-90A RESTROOM DETAILS
- A-91 ELEVATOR DOOR DETAILS
- A-91A ELEVATOR CAB DETAILS
- A-92 MISCELLANEOUS DETAILS
- A-93 MISCELLANEOUS DETAILS
- A-93A MISCELLANEOUS DETAILS
- A-94 FLOOR PLAN COMPUTER ROOM 316
- A-94A FLOOR PLAN COMPUTER ROOM 517
- A-94BR FLOOR PLAN COMPUTER ROOM 759
- A-94C ACCESS FLOOR DETAILS
- A-95 DUMBWAITER DETAILS
- A-96 VAULT DOOR DETAILS
- A-97 FLOOR PLAN COURT ROOM 918
- A-97A NINTH FLOOR DETAILS
- A-97B NINTH FLOOR DETAILS
- A-97C NINTH FLOOR DETAILS
- A-98 BASEMENT MISCELLANEOUS DETAILS
- A-99 FIRE EXIT & ROLLING GRILL DETAILS
- A-99A INTERIOR ELEVATIONS BASEMENT

STRUCTURAL

- S-101 COLUMN & FOOTING SCHEDULE, GENERAL NOTES
- S-102 FIRST FLOOR SCHEDULE
- S-103 BEAM & SLAB SCHEDULE
- S-104 POST TENSION BEAM SCHEDULE
- S-105 POST TENSION WIND BEAM SCHEDULE
- S-106 BASEMENT PLAN
- S-107 WALL DETAILS
- S-108 BASEMENT DETAILS
- S-109 BASEMENT DETAILS
- S-110 TUNNEL PLANS
- S-111 TUNNEL ROOF PLAN & DETAILS
- S-112 TUNNEL DETAILS
- S-113 FIRST FLOOR PLAZA PLAN
- S-114 FIRST FLOOR DETAILS
- S-115 FIRST FLOOR DETAILS
- S-116 FIRST FLOOR DETAILS
- S-117 FIRST FLOOR DETAILS
- S-118 FIRST FLOOR DETAILS
- S-118A FIRST FLOOR DETAILS
- S-119 SECOND FLOOR PLAN
- S-120 THIRD FLOOR PLAN
- S-121 FOURTH FLOOR PLAN
- S-122 FIFTH FLOOR PLAN
- S-123 SIXTH FLOOR PLAN
- S-124 SEVENTH FLOOR PLAN
- S-125 EIGHTH FLOOR PLAN
- S-126 NINTH FLOOR PLAN
- S-127 TYPICAL DETAILS
- S-128 TYPICAL DETAILS
- S-129 STAIR (BASEMENT TO FIRST FLOOR)
- S-130 STAIR & VAULT ROOF PLANS
- S-131 ROOF PLAN
- S-132 PENTHOUSE PLANS & DETAILS
- S-133 ROOF DETAILS

MECHANICAL, ELECTRICAL, PLUMBING

- MEP-101 SITE PLAN
- M-102 MECHANICAL BASEMENT FLOOR PLAN
- M-103 MECHANICAL PLAZA FLOOR PLAN
- M-104 MECHANICAL SECOND FLOOR PLAN
- M-105 MECHANICAL THIRD FLOOR PLAN
- M-106 MECHANICAL FOURTH FLOOR PLAN
- M-107 MECHANICAL FIFTH FLOOR PLAN
- M-108 MECHANICAL SIXTH FLOOR PLAN
- M-109 MECHANICAL SEVENTH FLOOR PLAN
- M-110 MECHANICAL EIGHTH FLOOR PLAN
- M-111 MECHANICAL NINTH FLOOR PLAN
- M-112 MECHANICAL ROOF PLAN
- M-113 MECHANICAL PLAN CENTRAL PLANT
- M-114 MECHANICAL SCHEDULES
- M-115 MECHANICAL RISERS
- M-116 MECHANICAL DETAILS
- M-117 MECHANICAL SECTIONS & DETAILS
- MP-118 MECHANICAL & PLUMBING TUNNEL PLAN
- E-102 ELECTRICAL BASEMENT FLOOR PLAN - LIGHTING
- E-103 ELECTRICAL BASEMENT FLOOR PLAN - POWER
- E-104 ELECTRICAL PLAZA PLAN - LIGHTING
- E-105 ELECTRICAL PLAZA PLAN - POWER
- E-106 ELECTRICAL SECOND FLOOR PLAN - LIGHTING
- E-107 ELECTRICAL SECOND FLOOR PLAN - POWER
- E-108 ELECTRICAL THIRD FLOOR PLAN - LIGHTING
- E-109 ELECTRICAL THIRD FLOOR PLAN - POWER
- E-110 ELECTRICAL FOURTH FLOOR PLAN - LIGHTING
- E-111 ELECTRICAL FOURTH FLOOR PLAN - POWER
- E-112 ELECTRICAL FIFTH FLOOR PLAN - LIGHTING
- E-113 ELECTRICAL FIFTH FLOOR PLAN - POWER
- E-114 ELECTRICAL SIXTH FLOOR PLAN - LIGHTING
- E-115 ELECTRICAL SIXTH FLOOR PLAN - POWER
- E-116 ELECTRICAL SEVENTH FLOOR PLAN - LIGHTING
- E-117 ELECTRICAL SEVENTH FLOOR PLAN - POWER
- E-118 ELECTRICAL EIGHTH FLOOR PLAN - LIGHTING
- E-119 ELECTRICAL EIGHTH FLOOR PLAN - POWER
- E-120 ELECTRICAL NINTH FLOOR PLAN - LIGHTING
- E-121 ELECTRICAL NINTH FLOOR PLAN - POWER
- E-122 ELECTRICAL ROOF PLAN - LIGHTING & POWER
- E-123 ELECTRICAL DETAILS
- E-124 ELECTRICAL ONE LINE
- E-125 ELECTRICAL RISERS
- E-126 ELECTRICAL TUNNEL PLAN
- EP-127 ELECTRICAL PLAZA LIGHTING, PLAZA PLASTER DRAINAGE PLAN
- P-102 PLUMBING BASEMENT FLOOR PLAN
- P-103 PLUMBING PLAZA FLOOR PLAN
- P-104 PLUMBING SECOND FLOOR PLAN
- P-105 PLUMBING THIRD FLOOR PLAN
- P-106 PLUMBING FOURTH FLOOR PLAN
- P-107 PLUMBING FIFTH FLOOR PLAN
- P-108 PLUMBING SIXTH FLOOR PLAN
- P-109 PLUMBING SEVENTH FLOOR PLAN
- P-110 PLUMBING EIGHTH FLOOR PLAN
- P-111 PLUMBING NINTH FLOOR PLAN
- P-112 PLUMBING ROOF PLAN
- P-113 PLUMBING SCHEDULE & DETAILS
- P-114 PLUMBING RISERS
- P-115 PLUMBING PLAN CENTRAL PLANT



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CHEMUNAT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

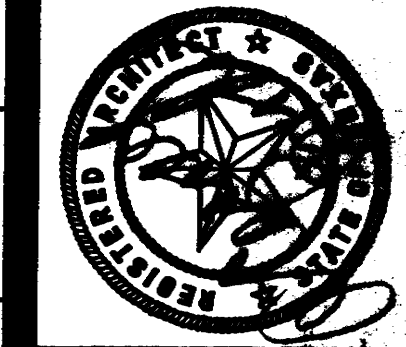
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CHECKED BY
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DATE 7-28-75

INDEX OF SHEETS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





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HOUSTON, TEXAS 77027
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CHENULTY & BRADY CONSULTING ENGINEERS

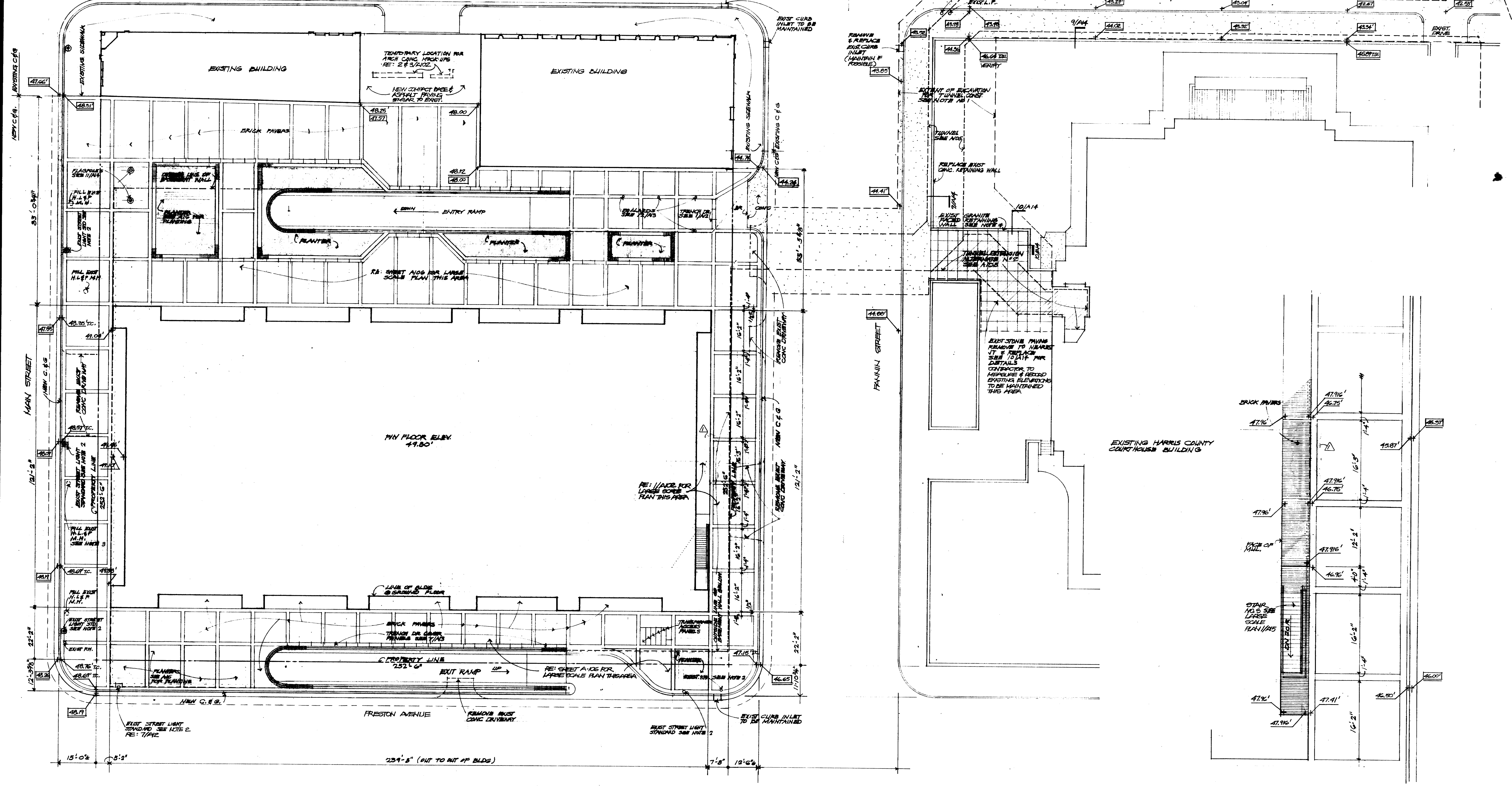
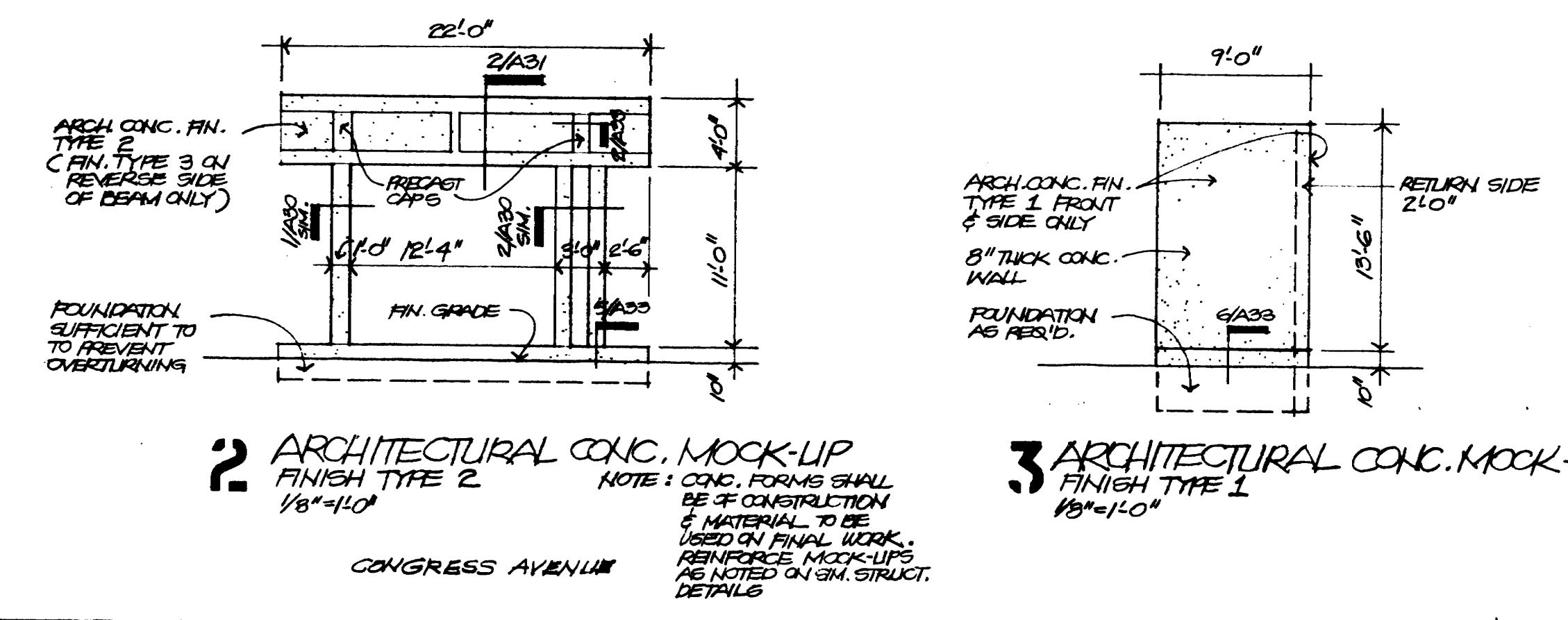
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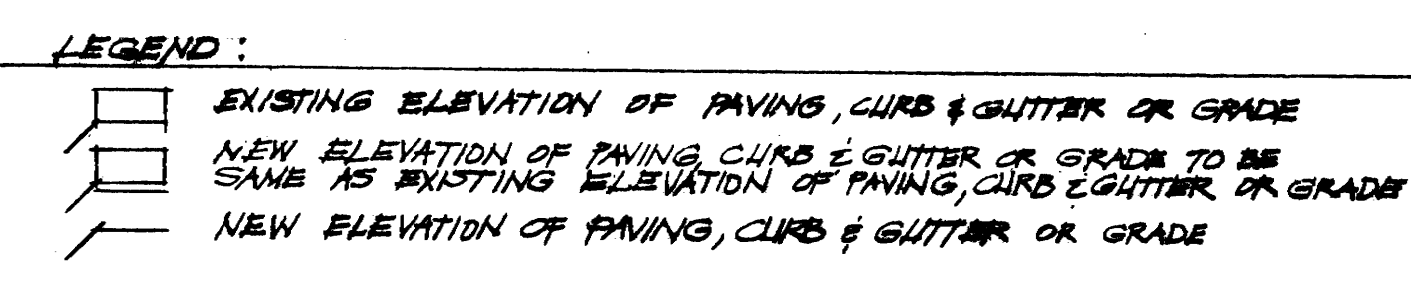
SITE PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

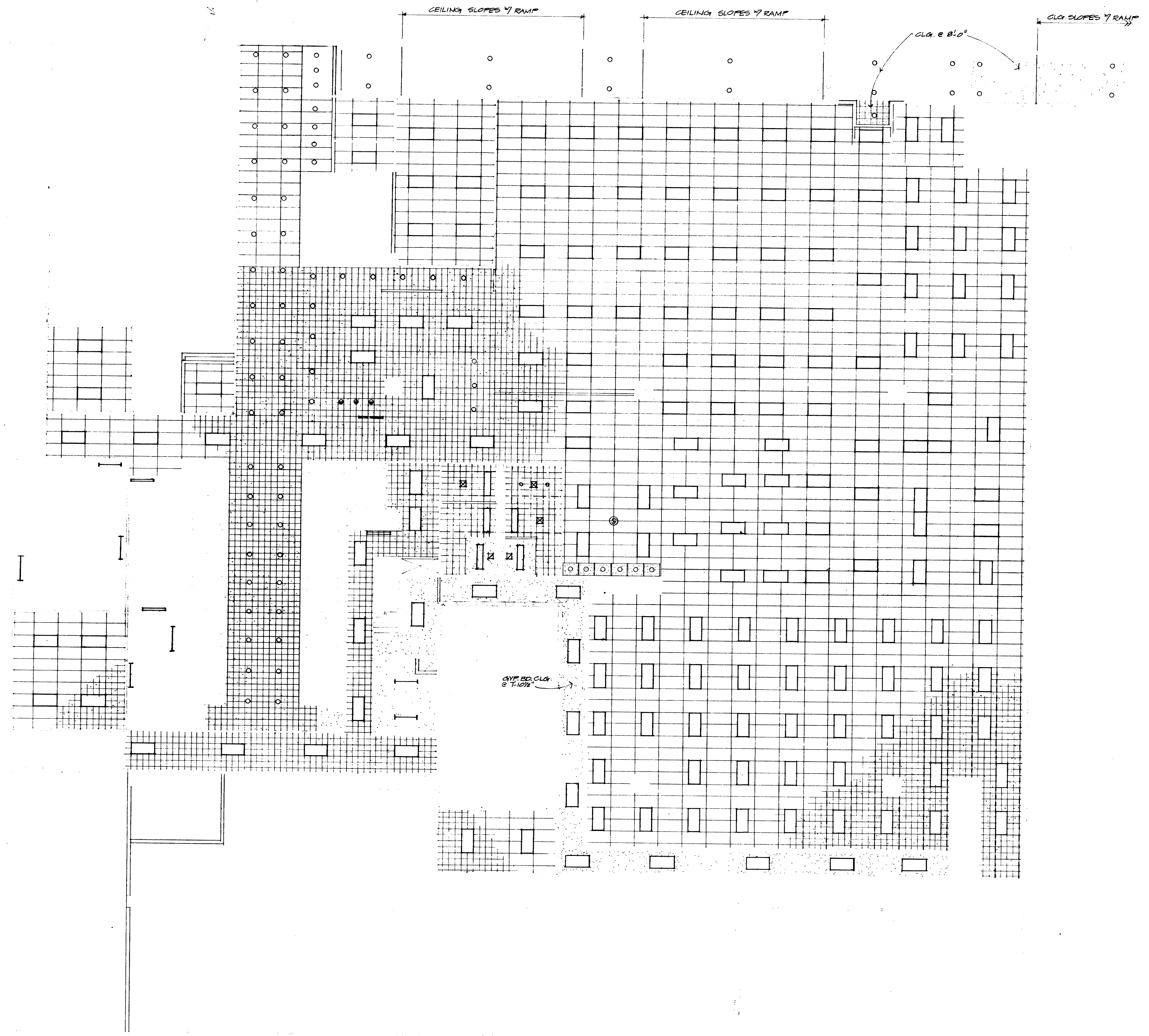


SITE PLAN (SEE SHEET A-05 FOR DIM. & GRADES NOT SHOWN) 1/16"=1'-0"

- NOTES:
- EXIST. STREET PAVING DAMAGED OR REMOVED DUE TO THE CONSTRUCTION OF CURBS & GUTTERS OR TUNNELS TO BE REPLACED WITH NEW PAVING TO MATCH EXISTING PAVING & CONFORMING TO CITY OF HOUSTON SPECIFICATION
 - PROTECT ALL EXIST. LIGHT STANDARDS FROM DAMAGE EXCEPT THOSE NOTED TO BE REMOVED & REPLACED. SEE SHEET A-101 FOR UTILITY LOCATIONS TO BE REMOVED
 - CONTRACTOR SHALL NOTIFY HOUSTON LIGHT & POWER COMPANY PRIOR TO REMOVING OR FILLING ANY EXISTING H.L.S.P. MANHOLES
 - REMOVE EXIST. GRANITE FROM CONCRETE RETAINING WALL WITHOUT DAMAGE & STORE. REINSTALL ON NEW CONCRETE RETAINING WALL.



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GENERAL NOTES:
 ALL CEILING TILE TO BE 12"x12" CONCEALED
 SPLINE UNLESS NOTED OTHERWISE.
 DOTTED LINES ARE MAIN TEES
 NOTE SHAPED PARTITIONS INDICATE PARTITIONS
 THAT GO TO STRUCTURE ABOVE.



BASEMENT REFLECTED CEILING PLAN
 1/8" = 1'-0"



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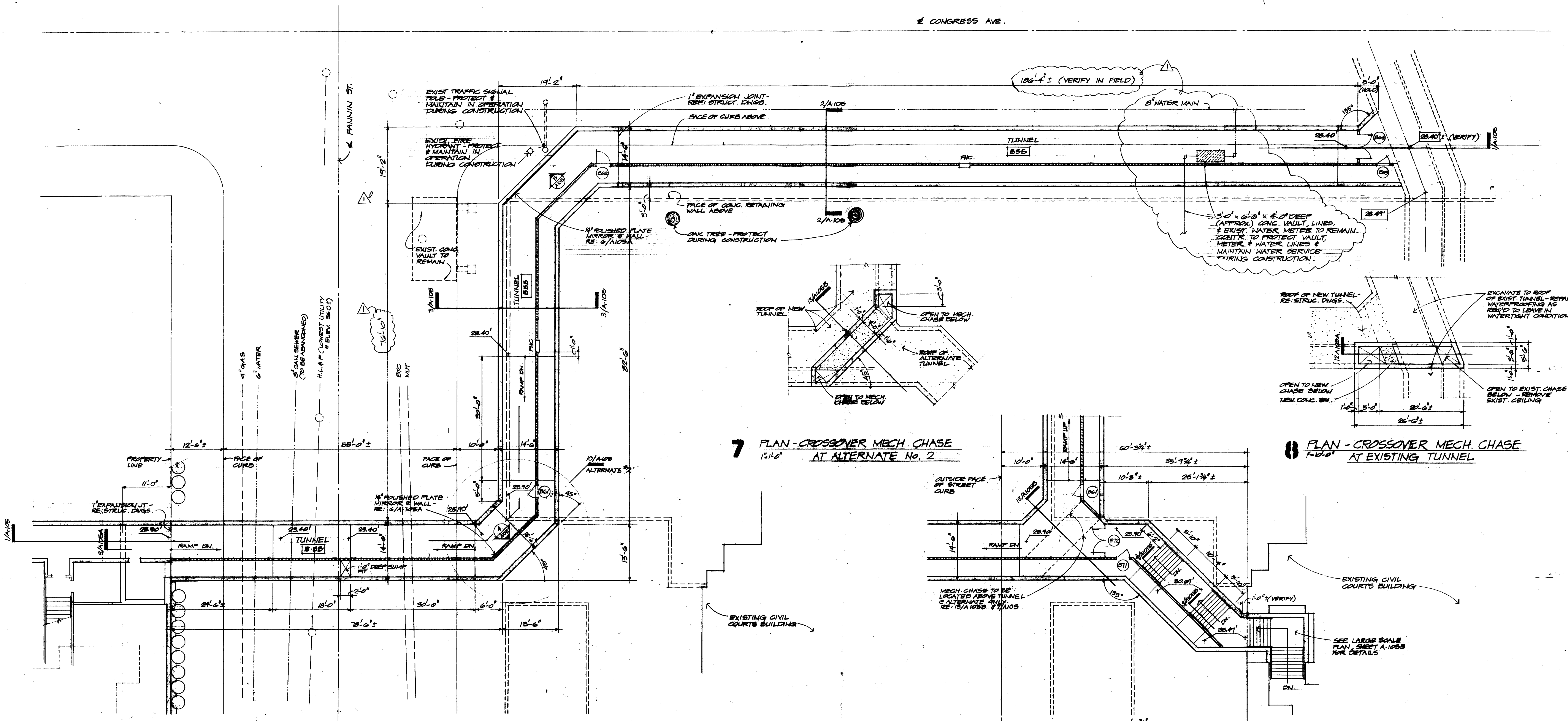
HARRIS COUNTY
ADMINISTRATION BUILDING
 HOUSTON TEXAS

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REFLECTED
 CEILING PLAN
13 BASEMENT

CONTRACTOR SHALL
 VERIFY ALL DIMENSIONS
 AT JOB SITE AND BE
 RESPONSIBLE FOR SAME

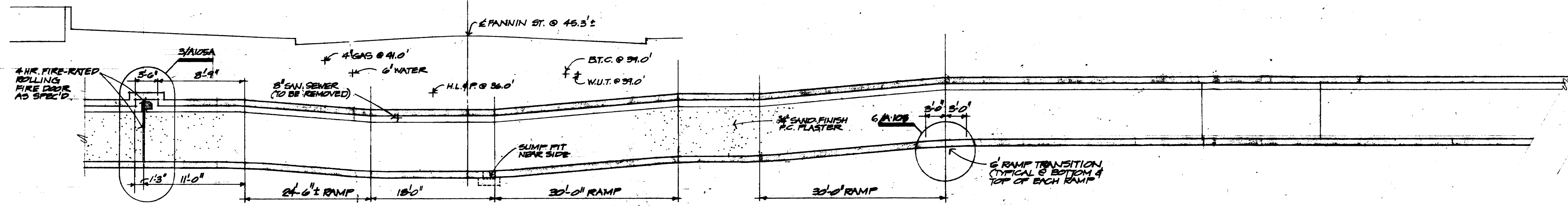


7 PLAN - CROSSOVER MECH. CHASE AT ALTERNATE No. 2

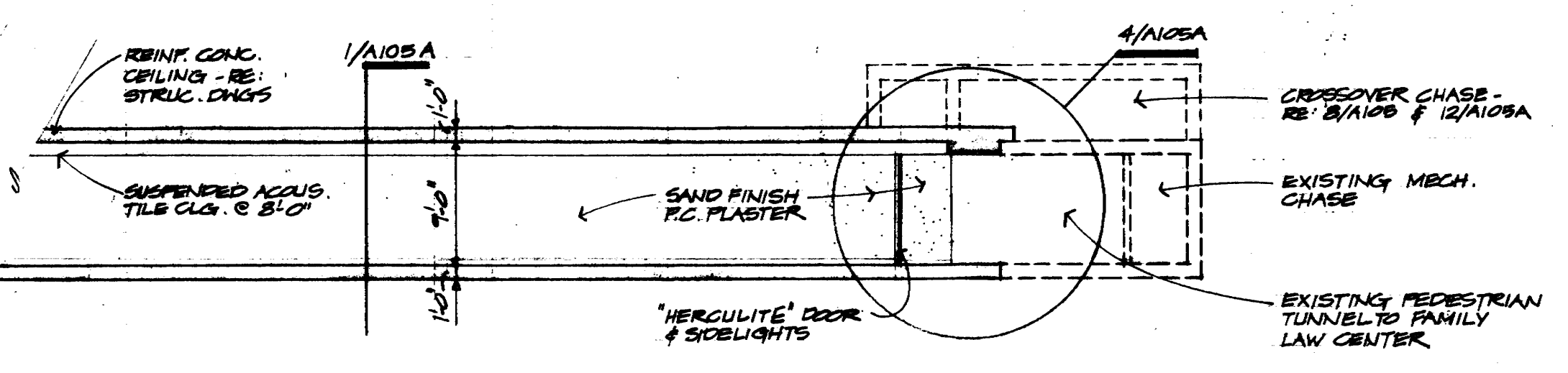
8 PLAN - CROSSOVER MECH. CHASE AT EXISTING TUNNEL

9 FLOOR PLAN - PEDESTRIAN TUNNEL

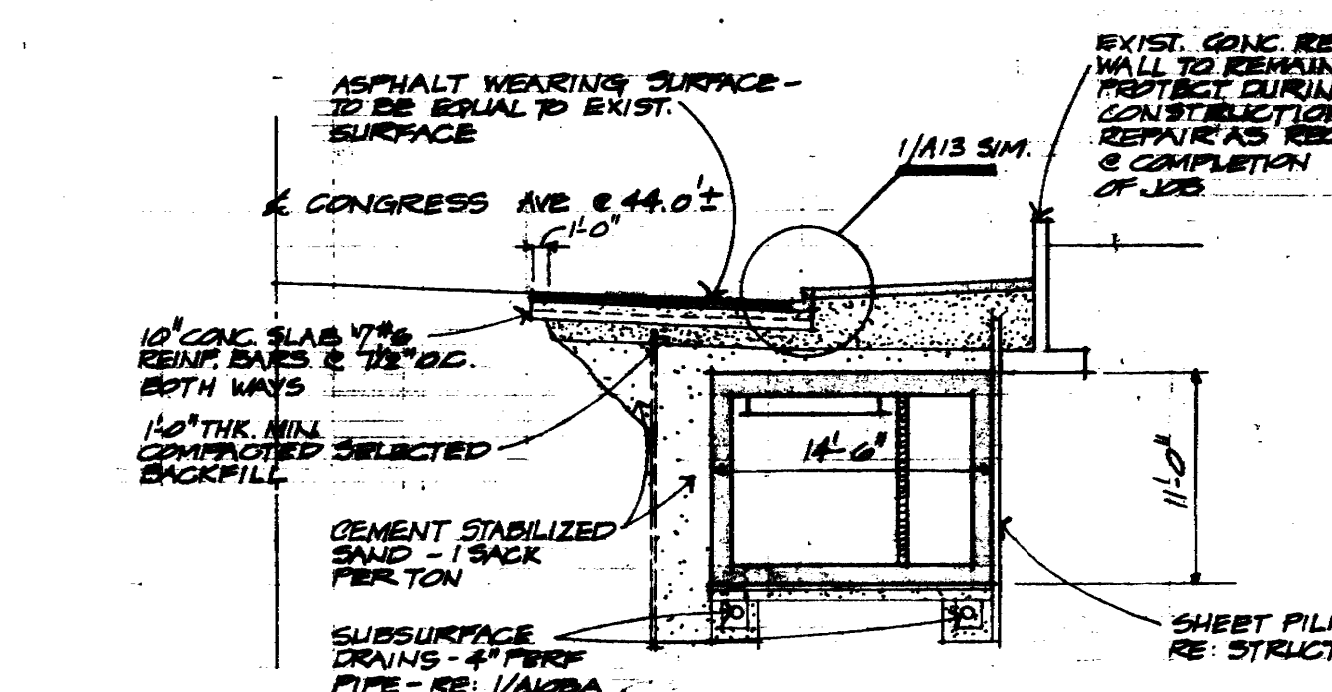
10 PARTIAL FLOOR PLAN - ALTERNATE No. 2



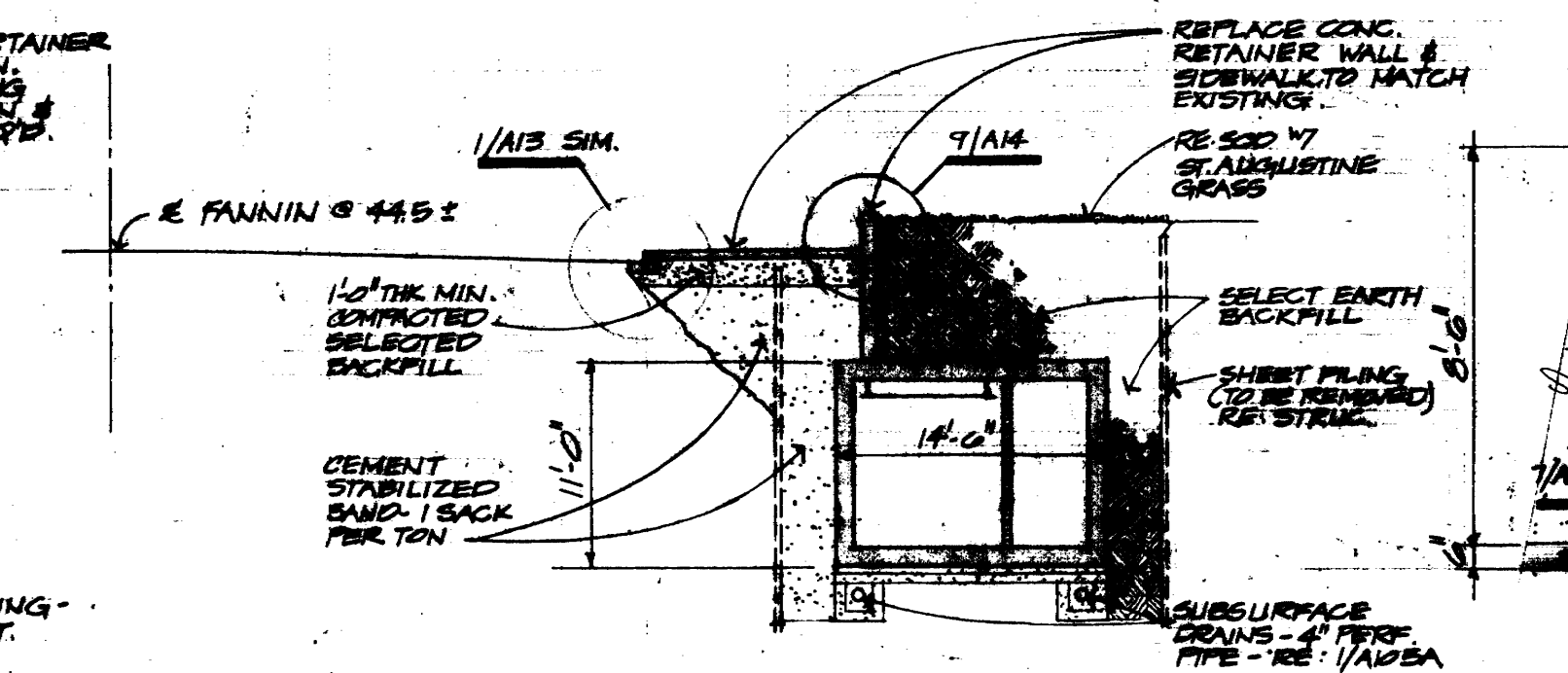
1 LONGITUDINAL SECTION AT TUNNEL ALONG CENTER OF PEDESTRIAN WALK



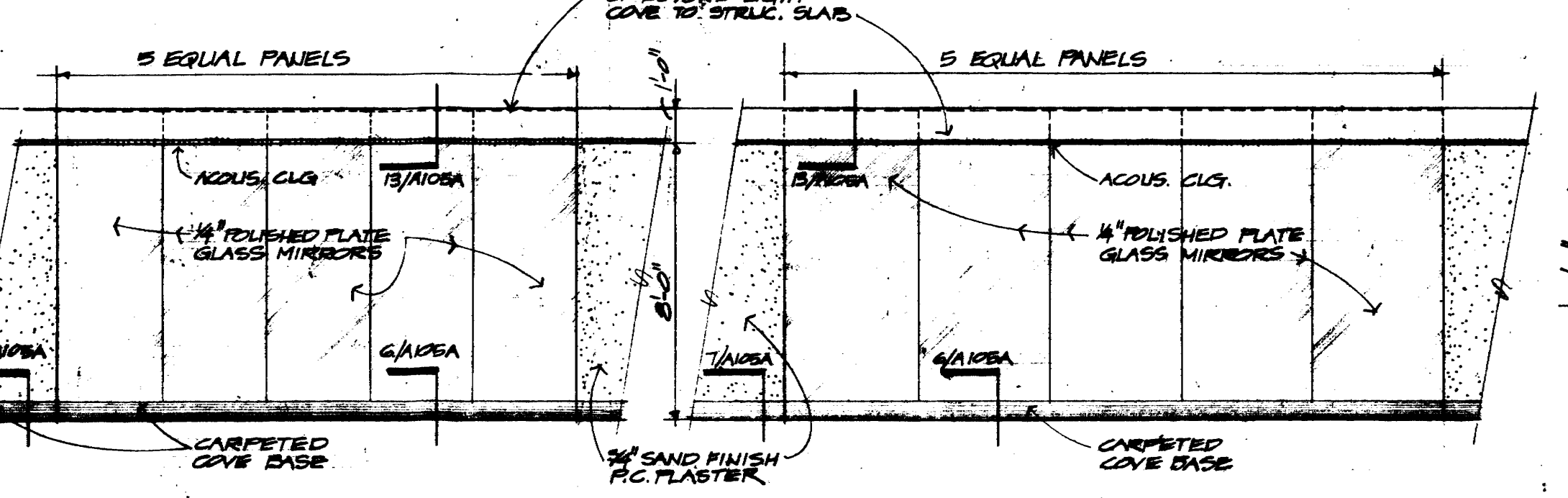
6 SECTION @ RAMP TRANSITION



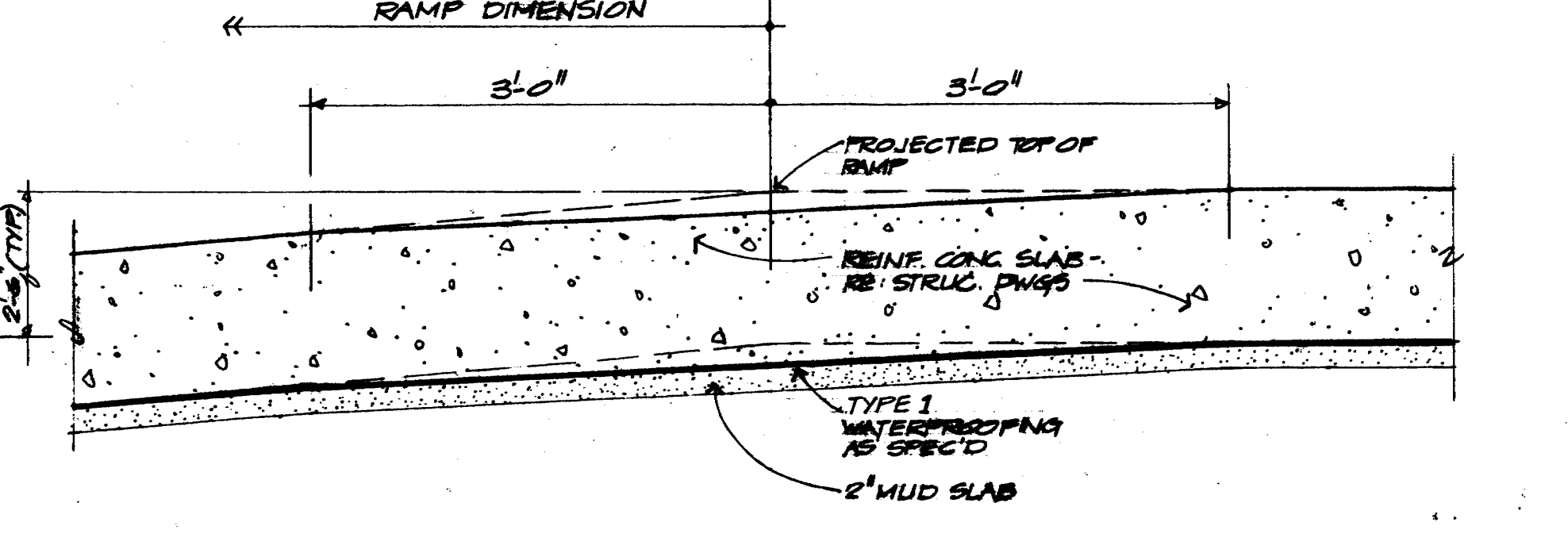
2 SECTION AT TUNNEL PARALLEL TO CONGRESS AVE.



3 SECTION AT TUNNEL PARALLEL TO FANNIN ST.



4 INTERIOR ELEVATION



5 INTERIOR ELEVATION

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CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
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DATE 7-28-75

TUNNEL
PLANS
SECTIONS
ELEVATIONS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



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HOUSTON, TEXAS 77057
2727 WESLAYAN

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HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS	
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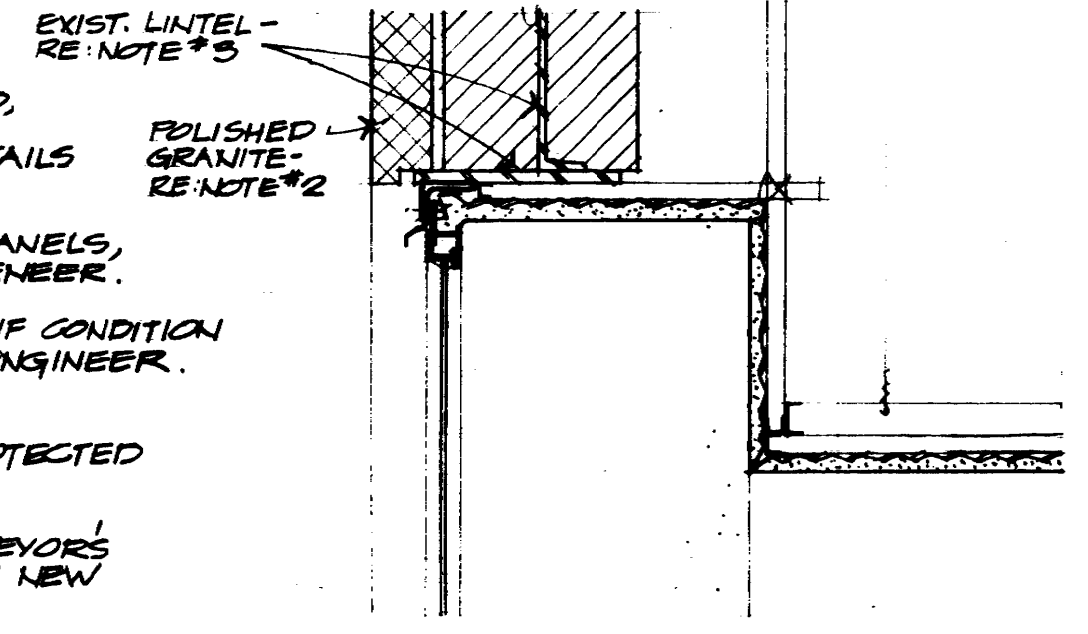
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TUNNEL DETAILS

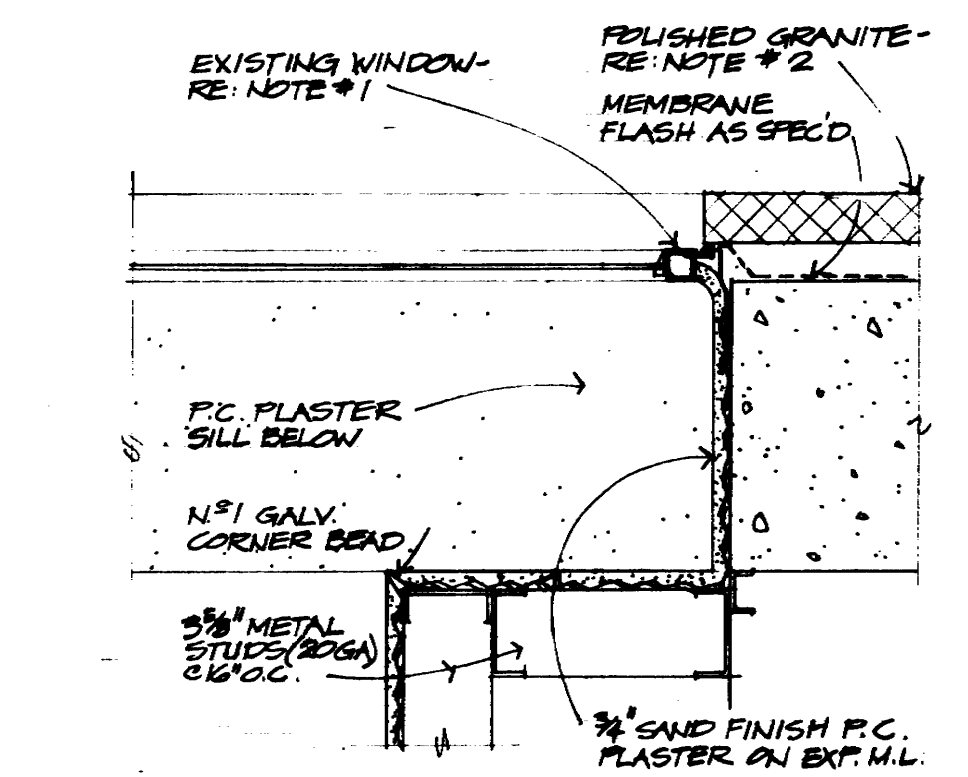
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

GENERAL NOTES:

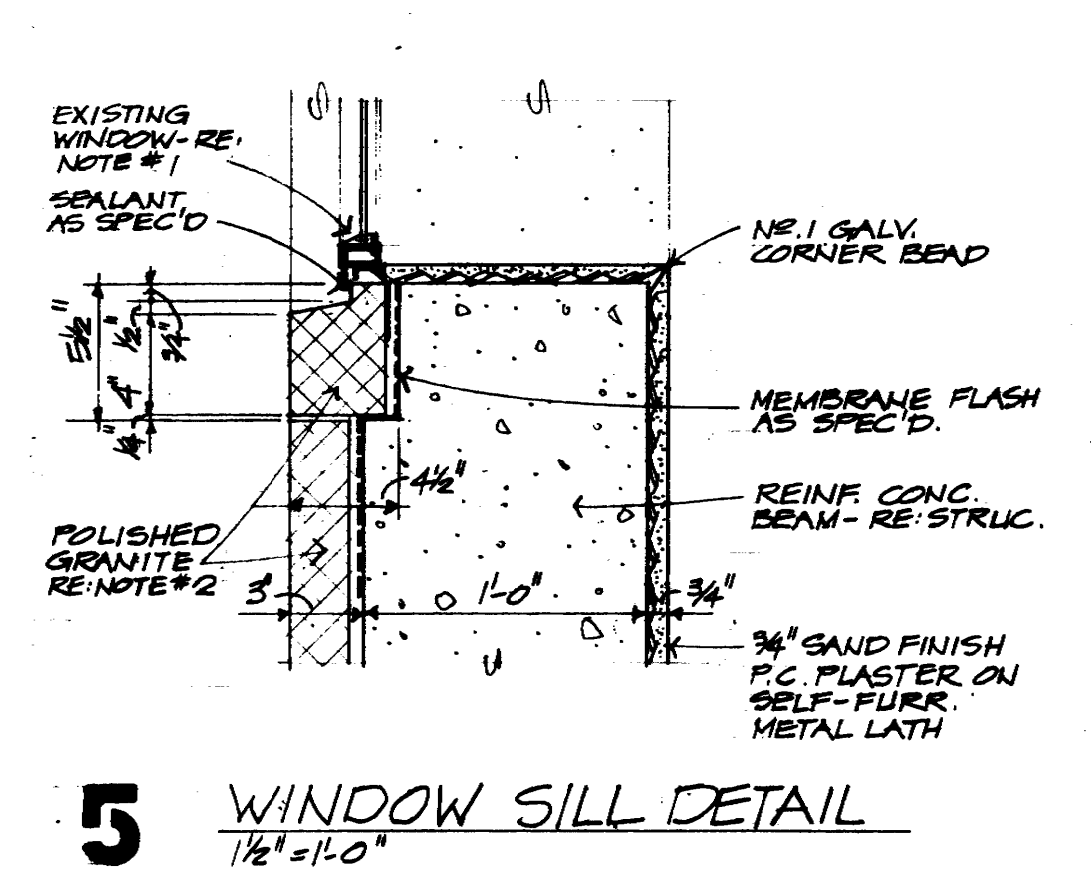
- EXISTING STEEL SASH WINDOW TO BE REMOVED STORED & RE-INSTALLED TO MATCH THIS SHEET REFLECT GENERAL CONDITIONS. SPECIFIC DETAILS OF RE-INSTALLATION TO FIT JOB CONDITIONS.
- EXISTING GRANITE VENEER TO BE REMOVED IN PANELS, STORED & RE-INSTALLED TO MATCH EXISTING VENEER.
- WINDOW HEAD LINTEL TO REMAIN IF POSSIBLE. IF CONDITION OF LINTEL IS DOUBTFUL, CONSULT STRUCTURAL ENGINEER. REPLACE LINTEL IF REQUIRED BY ENGINEER.
- ALL OPENINGS MADE INTO BUILDING TO BE PROTECTED FROM WEATHER.
- REMOVE EXISTING GRANITE AT DOOR TO SURVEYORS ROOM. STORE GRANITE & RE-USE AS REQ'D AT NEW ENTRANCE TO TUNNEL.



2 NOTES

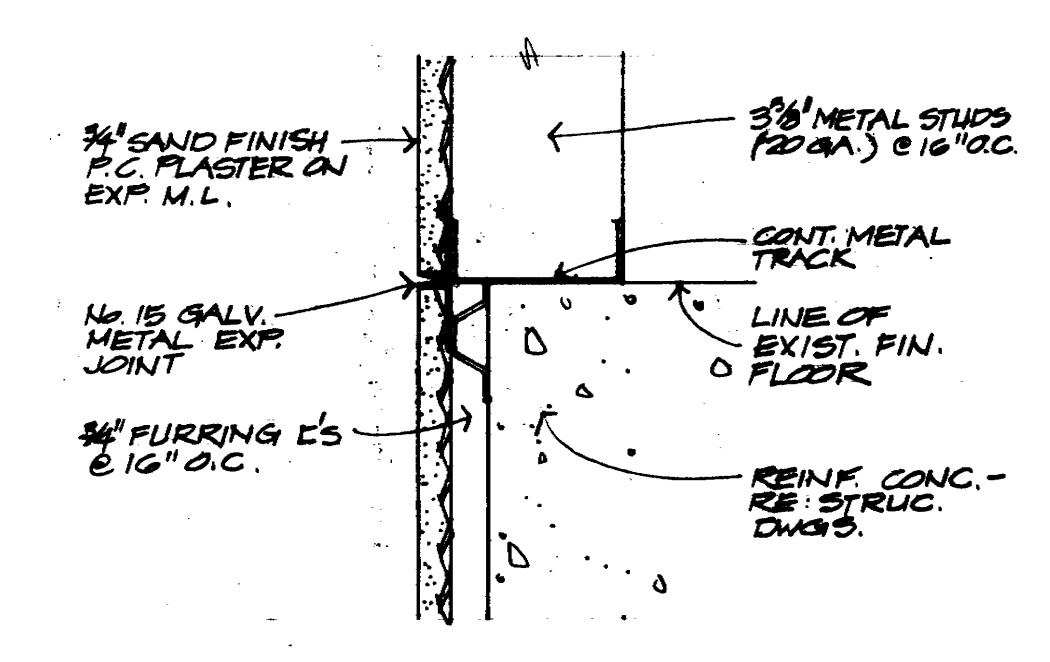


3 WINDOW HEAD DETAIL
1/2" x 10"



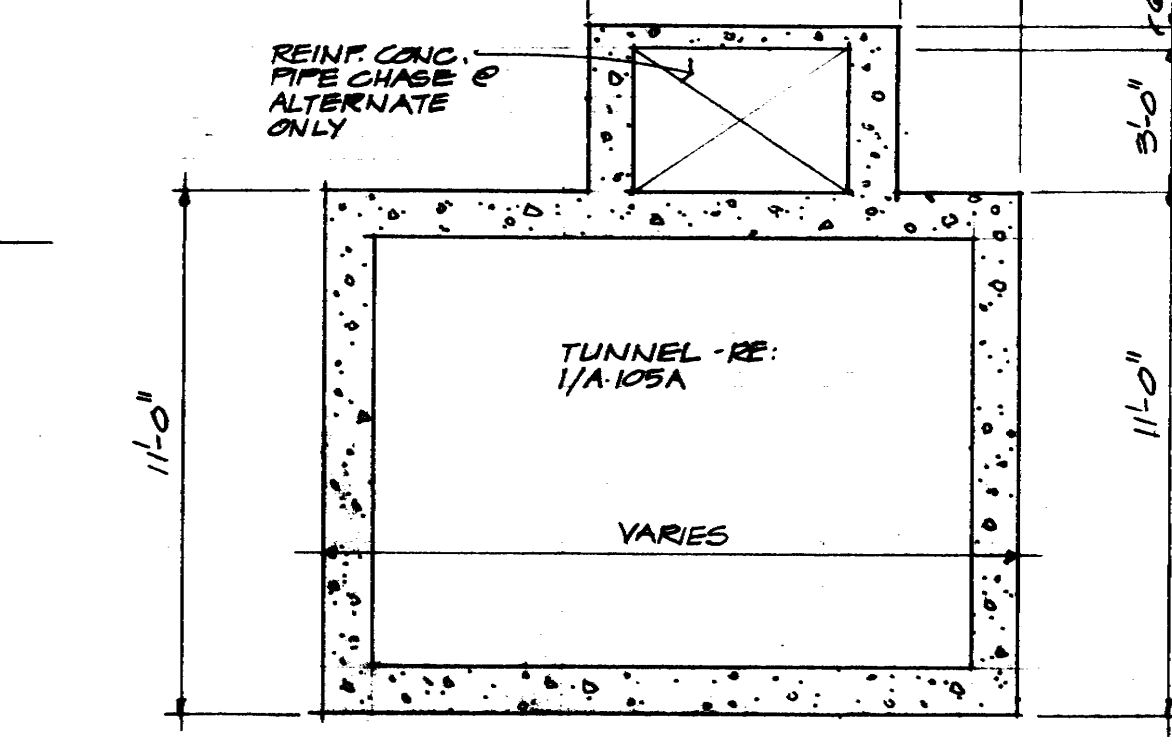
5 WINDOW SILL DETAIL
1/2" x 10"

4 WINDOW JAMB DETAIL
1/2" x 10"

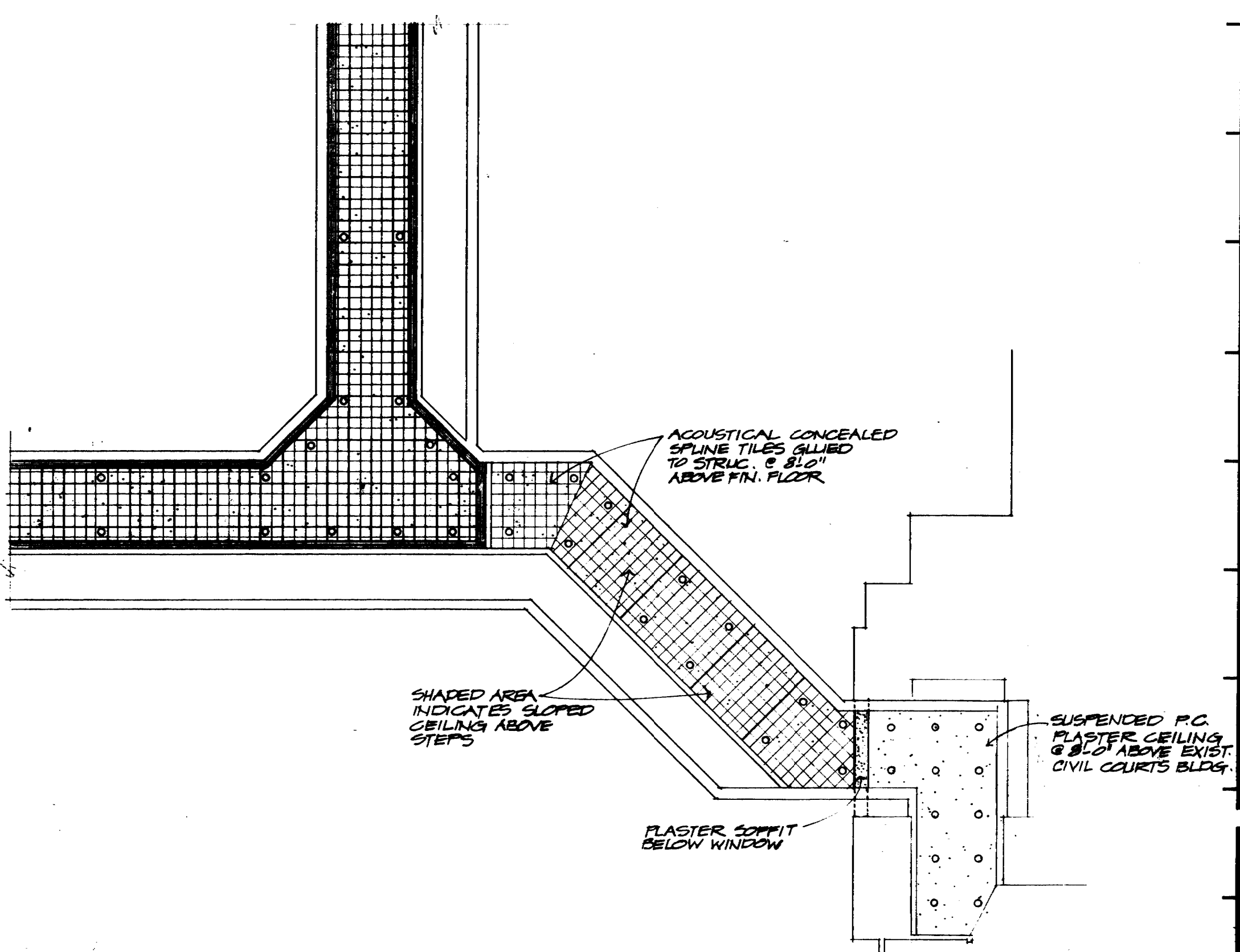
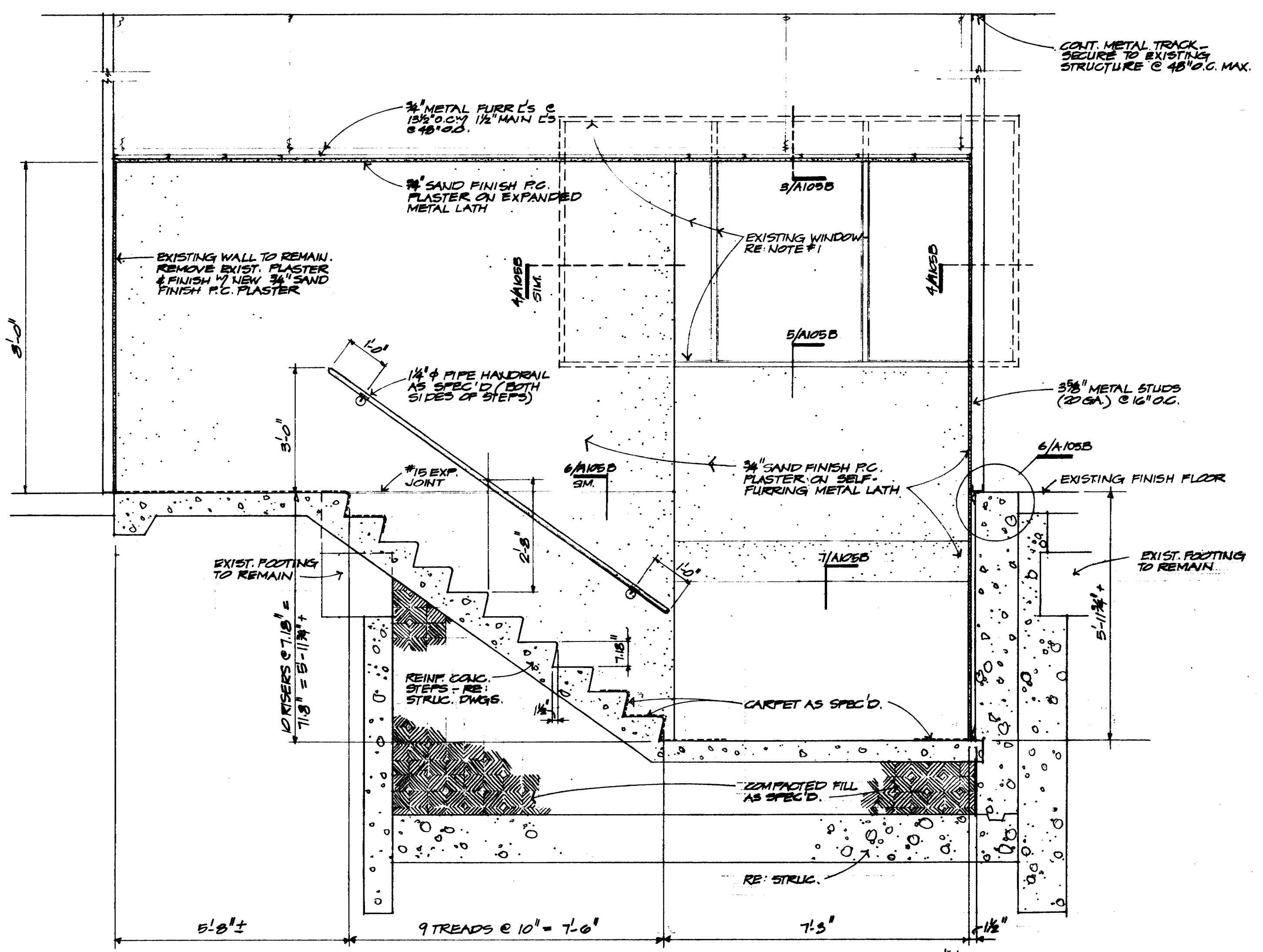
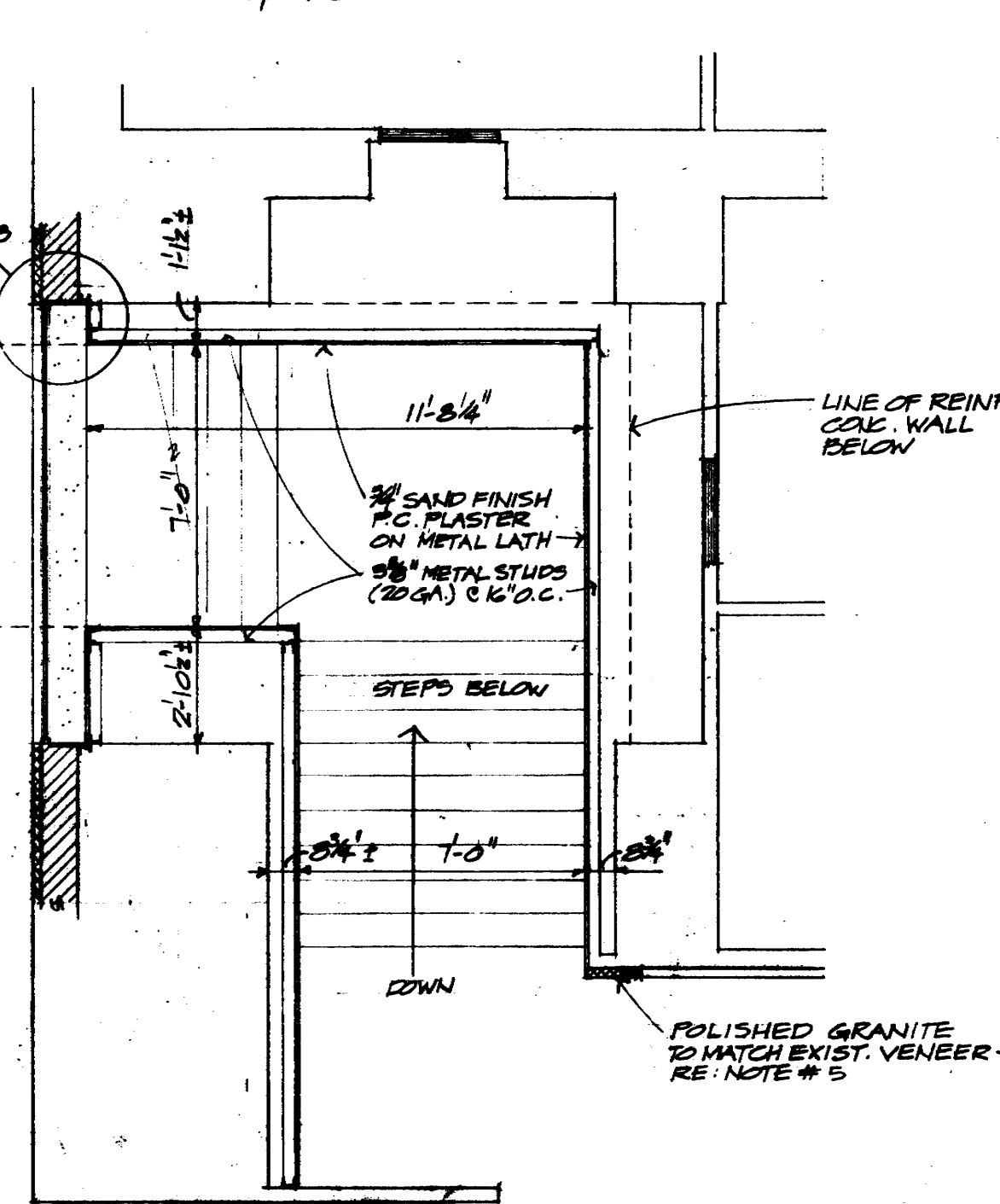


6 FLOOR TRANSITION
3" x 10"

7 CEILING TRANSITION
3" x 10"

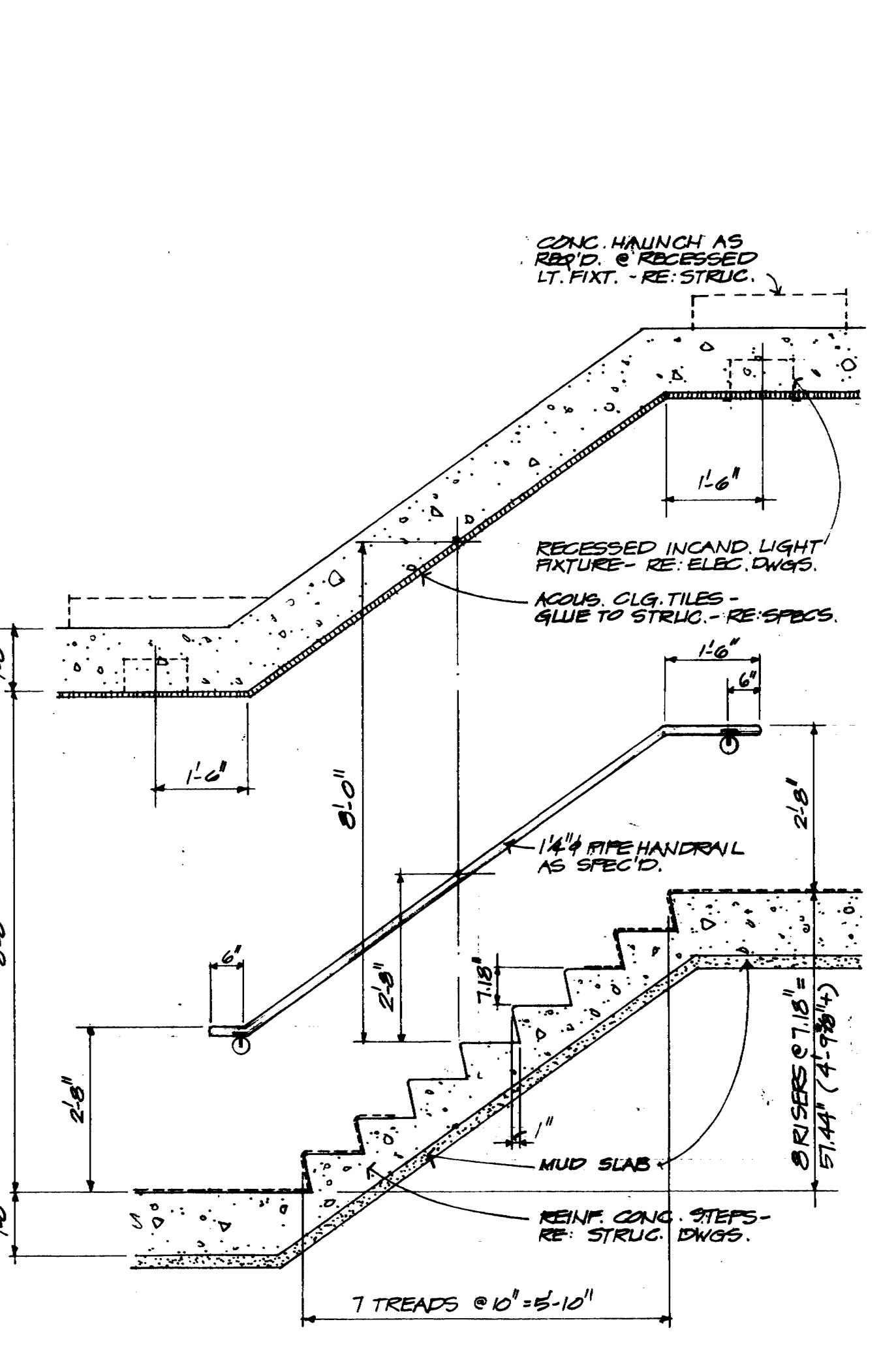


13 SECTION @ MECH. CHASE ALTERNATE #2 - LOBBY ONLY
1/2" x 10"

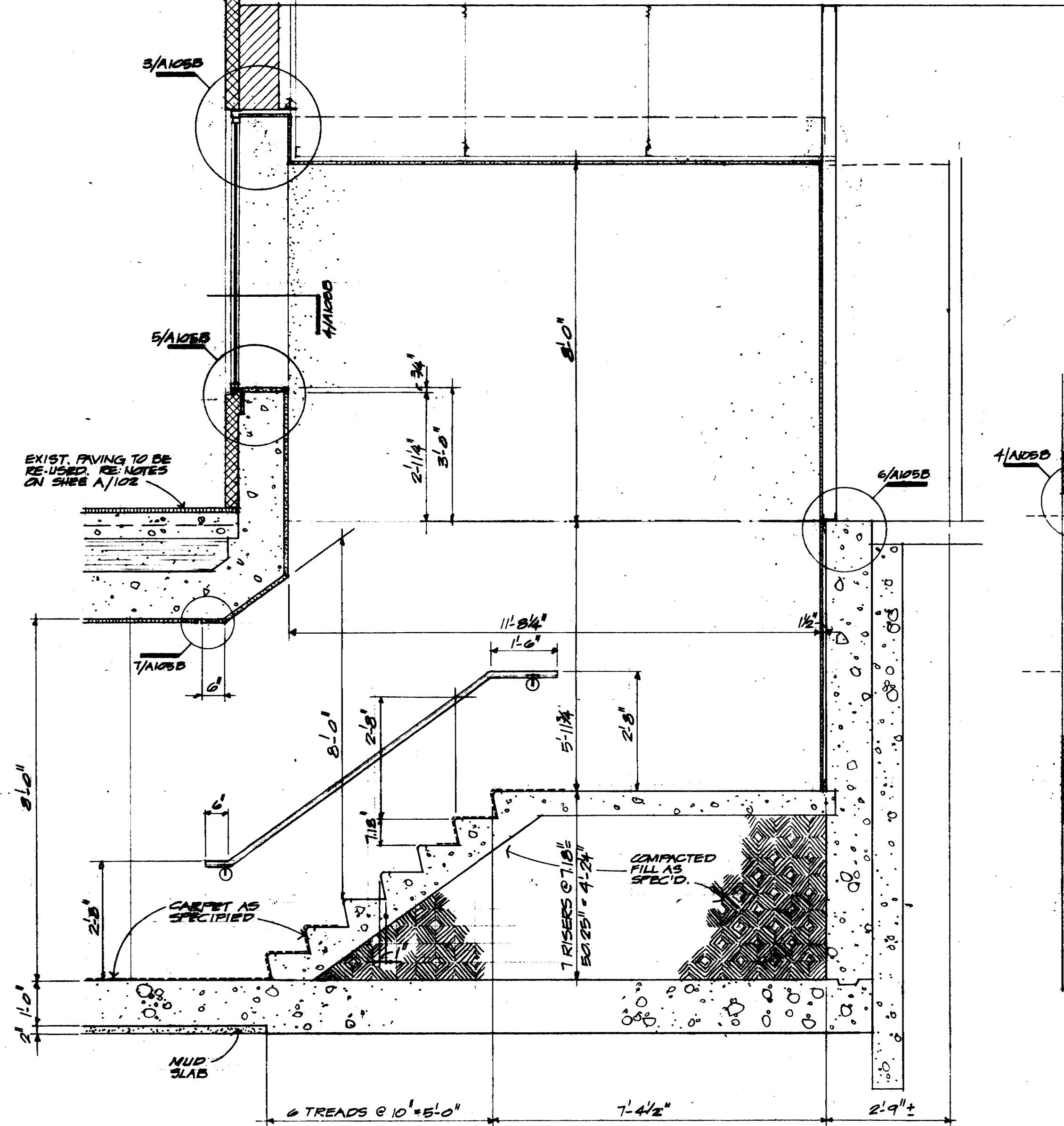


8 PARTIAL REFLECTED CEILING - ALTERNATE #2
1" x 10"

STEPS @ ALTERNATE #2
1/2" x 10"



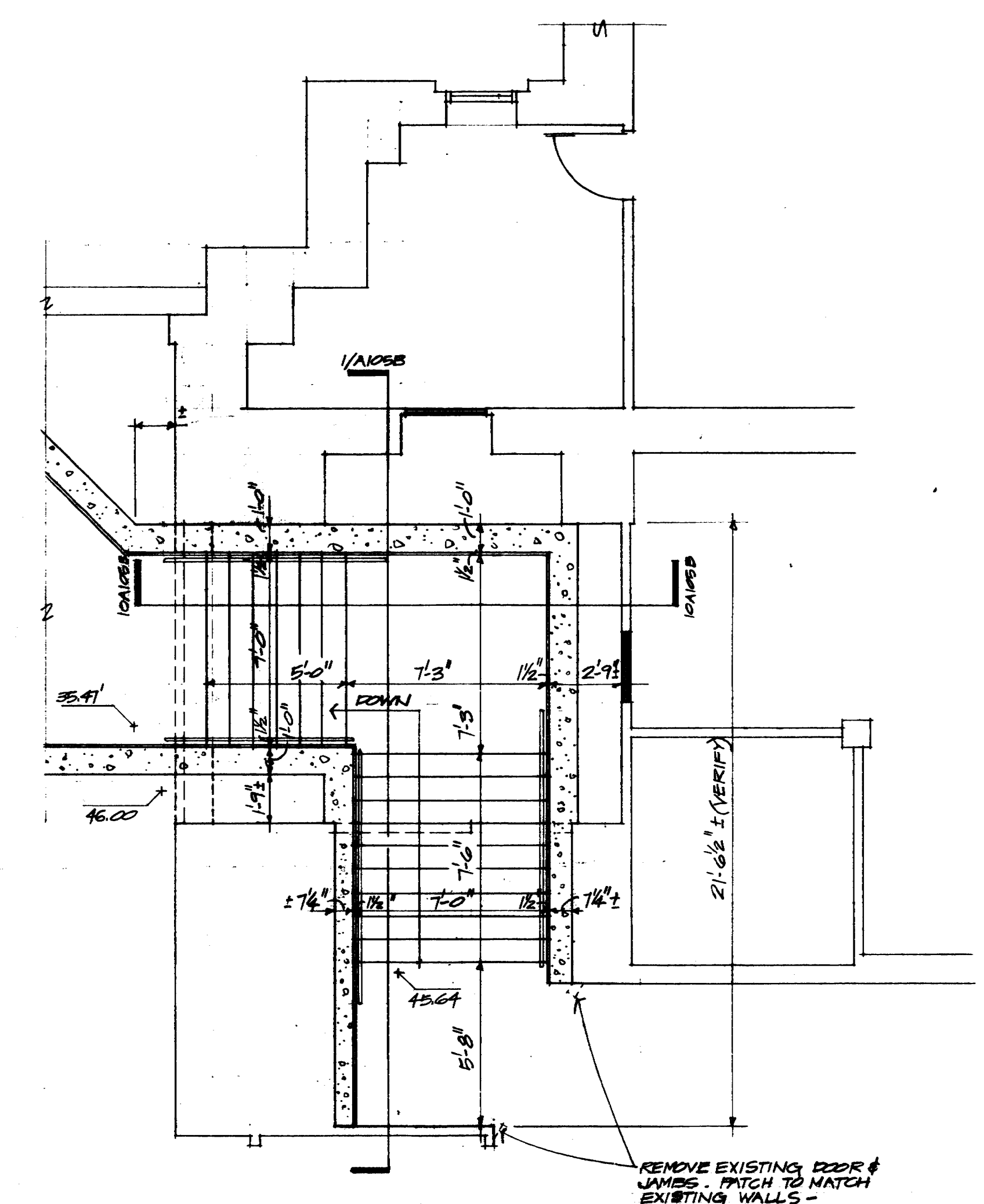
9 STEPS @ ALTERNATE PLAN #2
1/2" x 10"



10 STEPS @ ALTERNATE PLAN #2
1/2" x 10"

11 PARTIAL ALTERNATE PLAN #2
FURRING ABOVE FINISH FLOOR

12 PARTIAL ALTERNATE PLAN #2 - STEPS @ CIVIL COURTS BLDG.
1/2" x 10"





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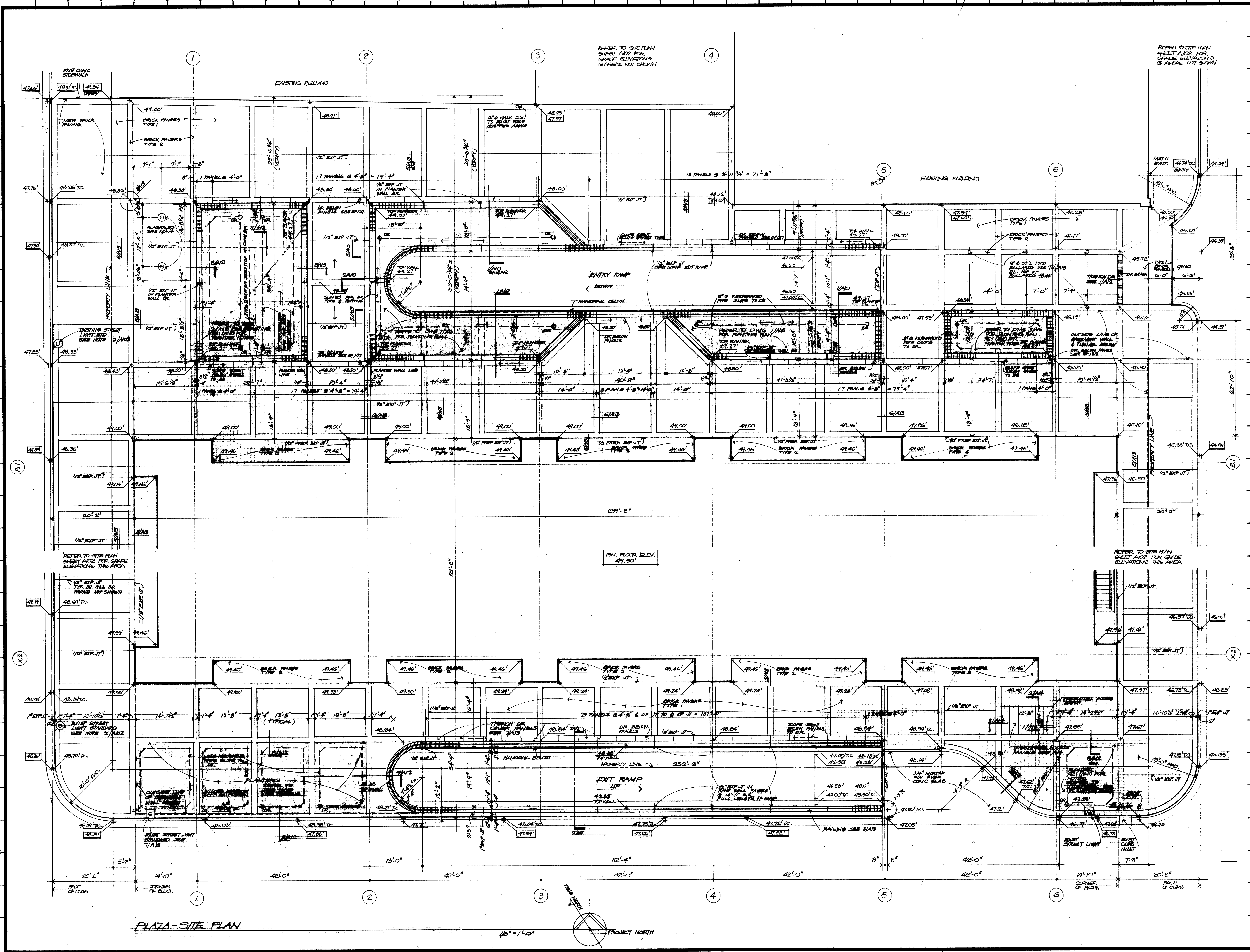
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DATE 7-28-75

PLAZA PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



PLAZA-SITE PLAN

REFER TO SITE PLAN SHEET A02 FOR GRADE ELEVATIONS @ AREAS NOT SHOWN

REFER TO SITE PLAN SHEET A02 FOR GRADE ELEVATIONS @ AREAS NOT SHOWN

FIN. FLOOR ELEV. 49.00

REFER TO SITE PLAN SHEET A02 FOR GRADE ELEVATIONS THIS AREA

REFER TO SITE PLAN SHEET A02 FOR GRADE ELEVATIONS THIS AREA

REFER TO SITE PLAN SHEET A02 FOR GRADE ELEVATIONS THIS AREA

REFER TO SITE PLAN SHEET A02 FOR GRADE ELEVATIONS THIS AREA



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

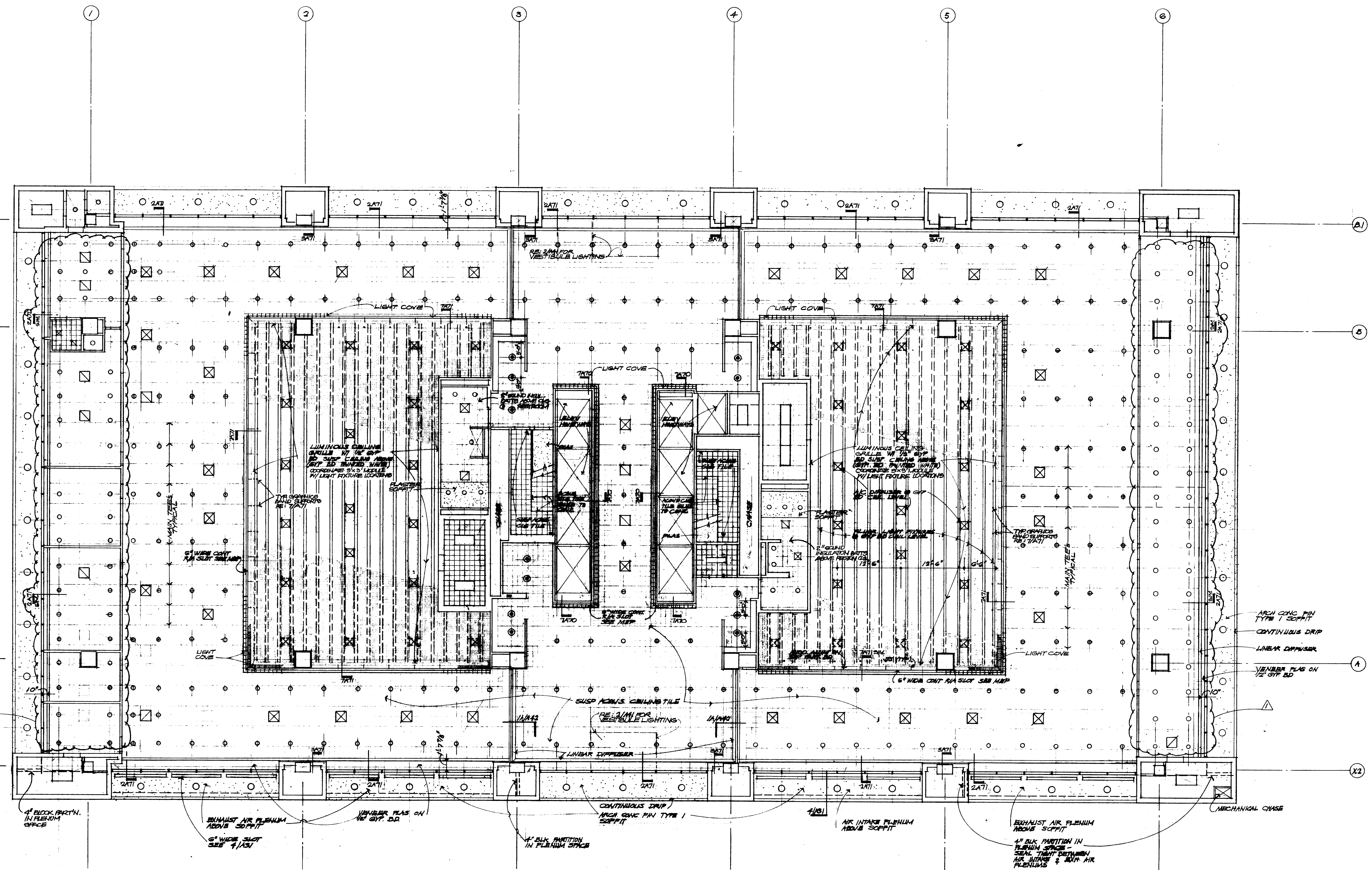
**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

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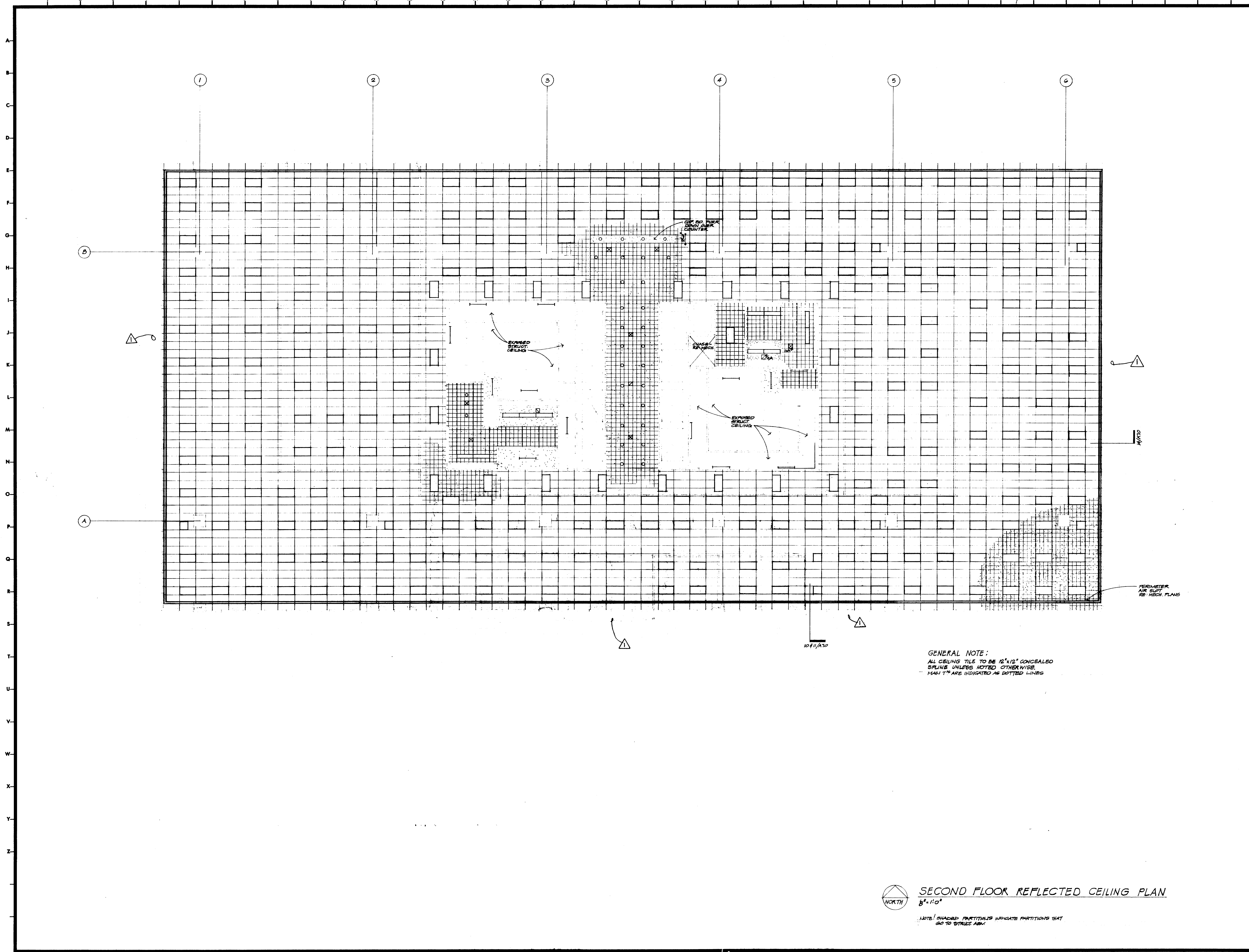
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PROJECT NO. 3506
DATE 7-28-75

GROUND FLOOR
REFLECTED CEILING
PLAN

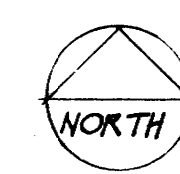
CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME



GROUND FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

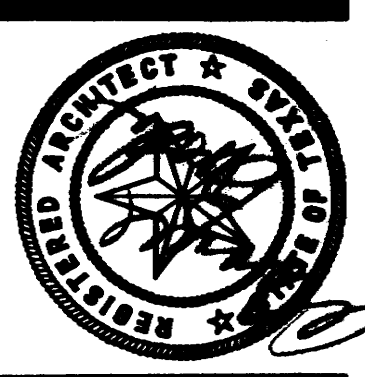


GENERAL NOTE:
 ALL CEILING TILE TO BE 12"x12" CONCEALED
 SPLINE UNLESS NOTED OTHERWISE.
 PART'S ARE INDICATED AS DOTTED LINES



SECOND FLOOR REFLECTED CEILING PLAN
 8'-11.0"

NOTE: SHADED PARTITIONS INDICATE PARTITIONS THAT
 GO TO STRUCT. PLAN.



KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

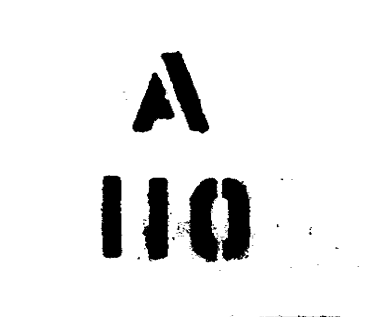
**HARRIS COUNTY
 ADMINISTRATION BUILDING**
 HOUSTON TEXAS

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DRAWN BY
 CHECKED BY
 PROJECT NO. 3506
 DATE 7-28-75

REFLECTED
 CEILING PLAN
 2ND FLOOR

CONTRACTOR SHALL
 VERIFY ALL DIMENSIONS
 AT JOB SITE AND BE
 RESPONSIBLE FOR SAME





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77008
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
REGISTERED PROFESSIONAL ARCHITECTS
REGISTERED PROFESSIONAL ENGINEERS

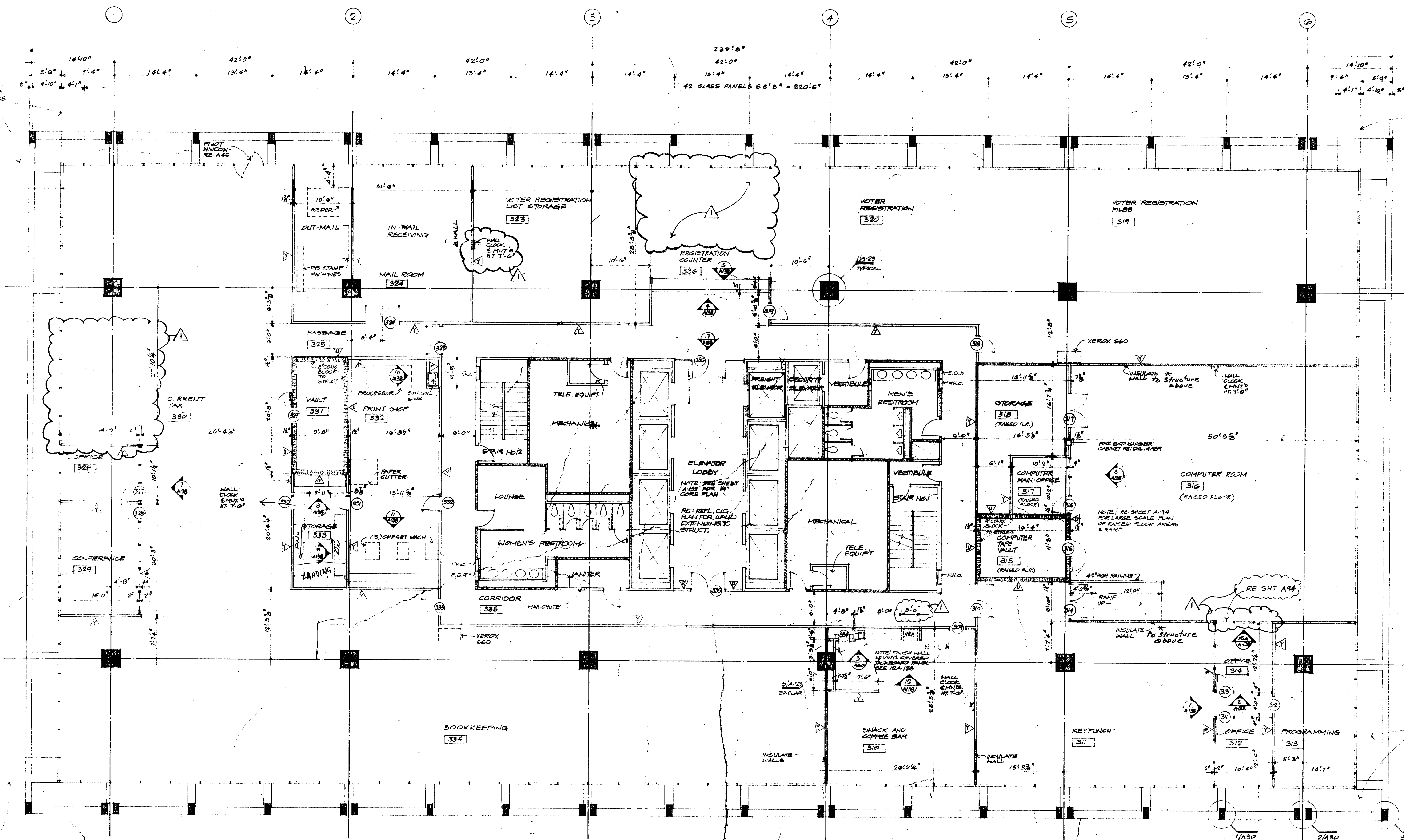
**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON, TEXAS

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CHECKED BY: _____
PROJECT NO. 3502
DATE 7-23-75

**3RD
FLOOR PLAN**

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



NOTE DIMENSIONS ARE TO OUTSIDE FACE OF CONCRETE

NOTE DIMENSIONS ARE TO OUTSIDE FACE OF CONCRETE

NOTE DIMENSIONS ARE TO OUTSIDE FACE OF CONCRETE

A-2 Sheet A-111: Change notes that read "insulate wall" at Rooms 316 & 318 to "insulate walls to structure above".

THIRD FLOOR PLAN - TAX ASSESSOR & COLLECTOR

NOTE: ALL INTERIOR PARTITIONS TO BE FIXED PARTITIONS UNLESS NOTED OTHERWISE.

ADZ-003

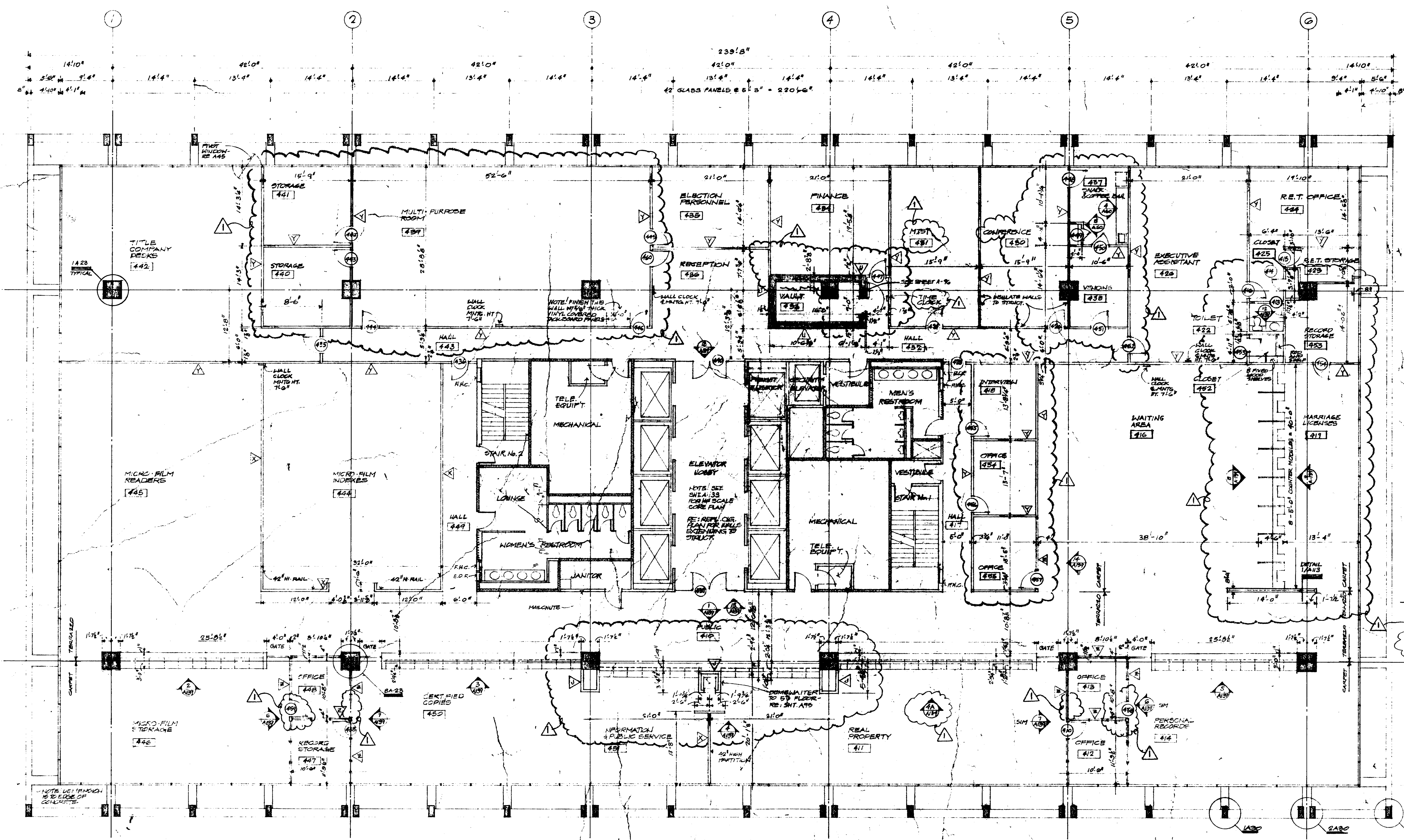


KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77002
P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
C. BRADY CONSULTING ENGINEERS

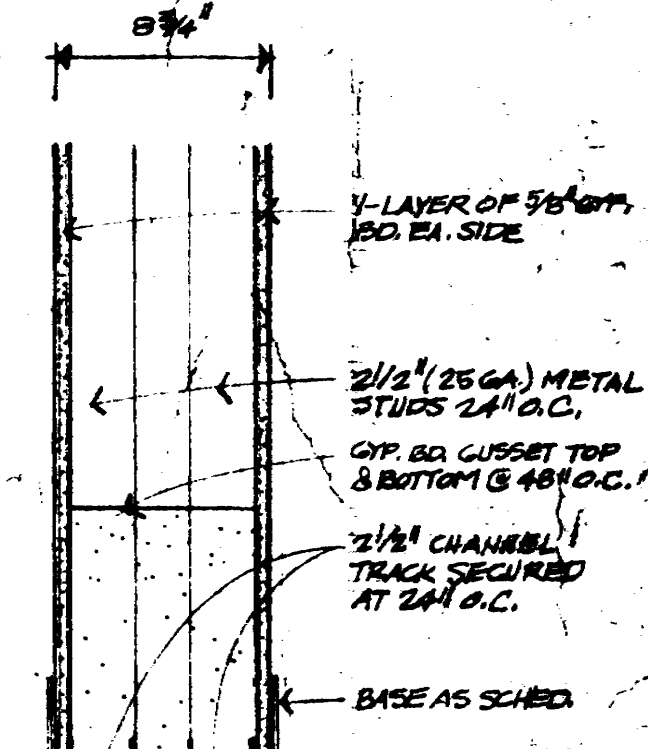
HARRIS COUNTY ADMINISTRATION BUILDING

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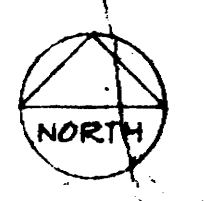
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE - AND BE RESPONSIBLE FOR SAME



NOTE: DIMENSION IS TO OUTSIDE EDGE OF CONCRETE.



10-13-78
278-8



FOURTH FLOOR PLAN - COUNTY CLERK

NOTE: ALL INTERIOR PARTITIONS TO BE FIXED PARTITIONS UNLESS NOTED OTHERWISE. SEE SHEETS A-38 & A-39 FOR PARTITIONS.

A-3



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 17002
200 SOUTHWEST TOWER

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 17027
2727 WEBLAYAN

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAUET & BRADY CONSULTING ENGINEERS

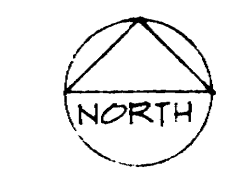
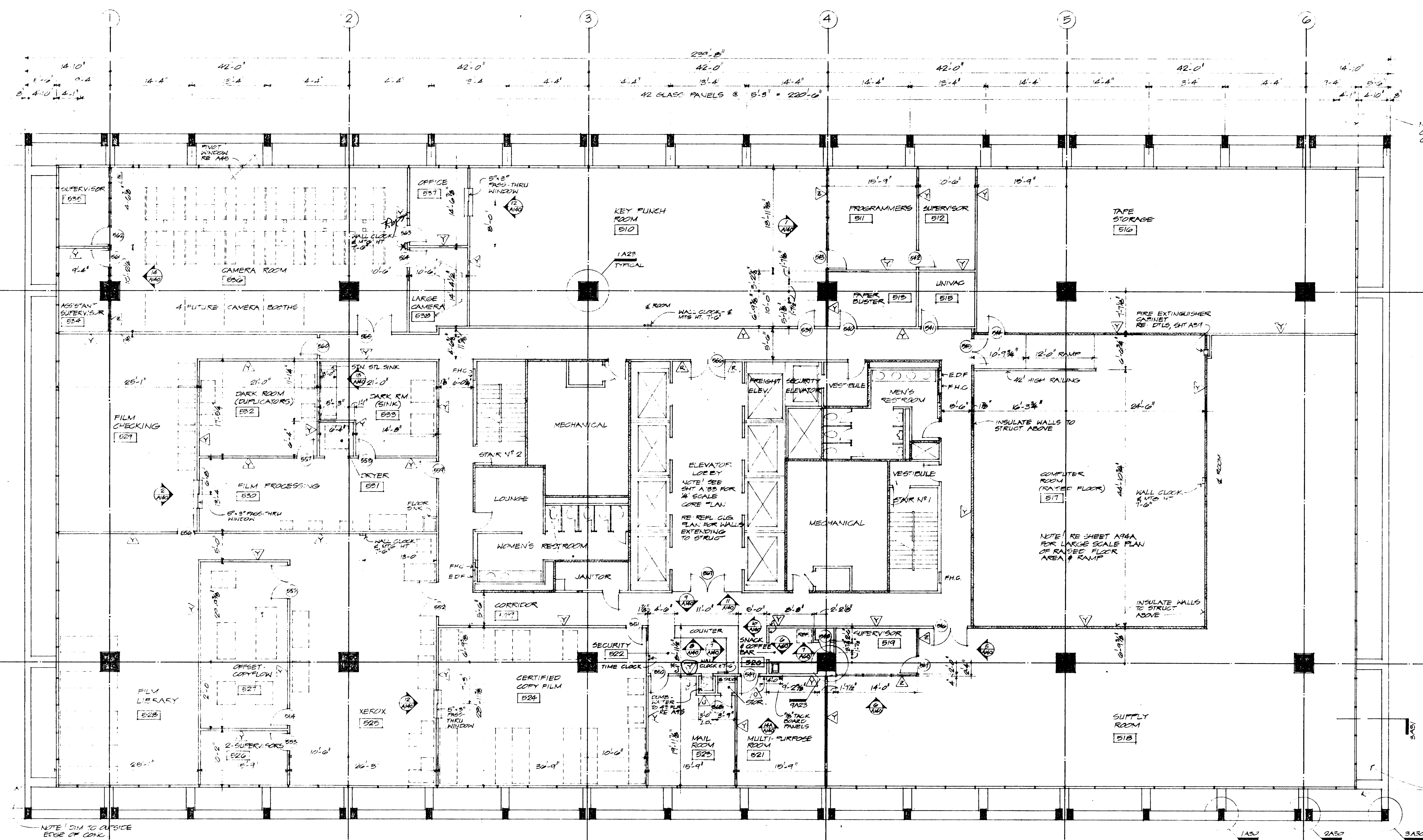
HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON, TEXAS

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PROJECT NO. 5522	
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5TH FLOOR PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

A 115



FIFTH FLOOR PLAN - COUNTY CLERK
18' x 12'

NOTE: ALL INTERIOR PARTITIONS TO BE FIXED PARTITIONS UNLESS NOTED OTHERWISE. SEE SHEET A31A FOR PARTITIONS.

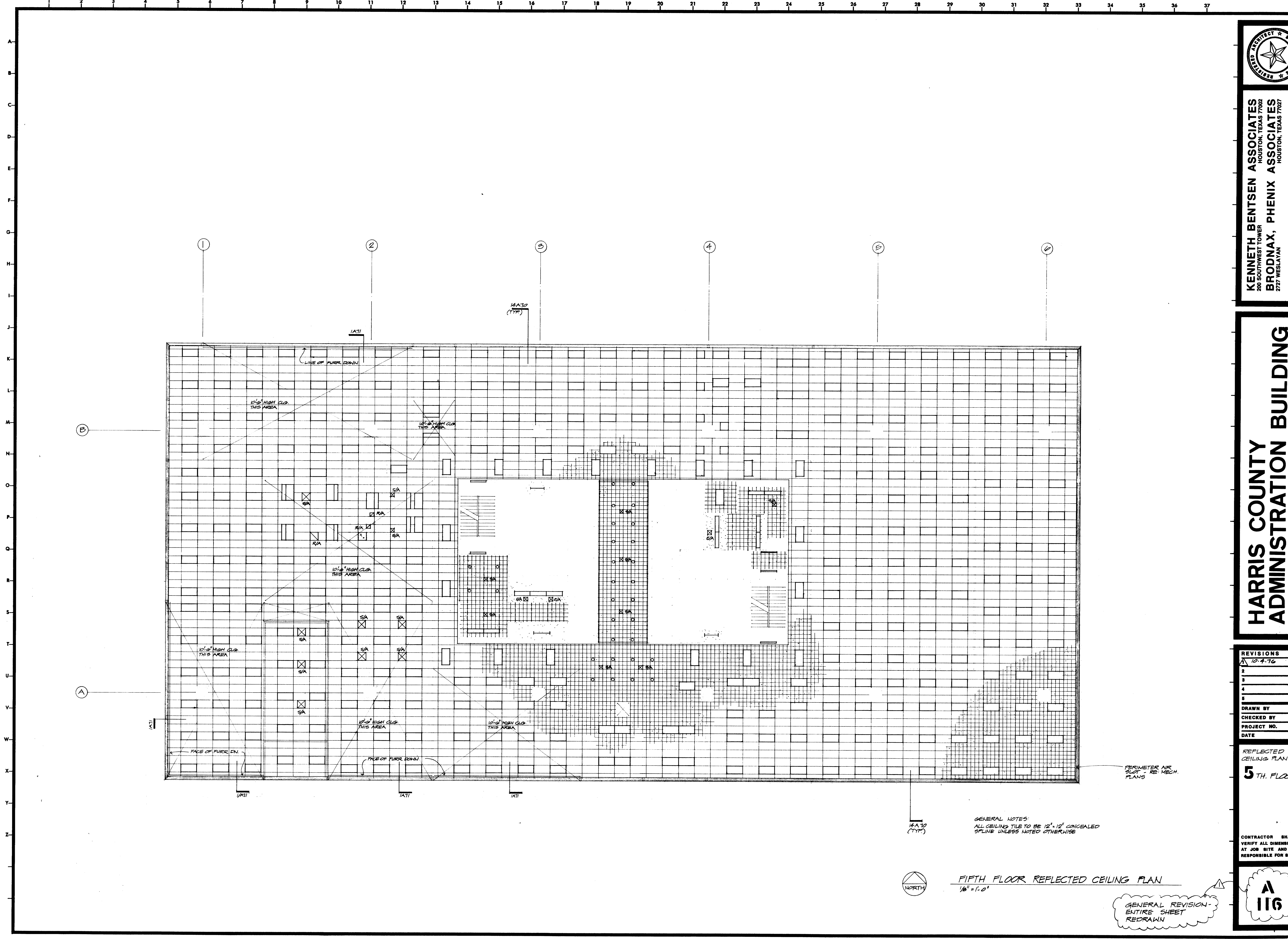
GENERAL REVISION - ENTIRE SHEET REDRAWN

Sheet A-115: Change partitions indicated as a Y-type partition at the dumbwaiter enclosure to J-type partitions.
*AD2-0.0

NOTE DIMENSIONS TO OUTSIDE FACE OF CONCRETE

NOTE: DIM TO OUTSIDE EDGE OF CONC.

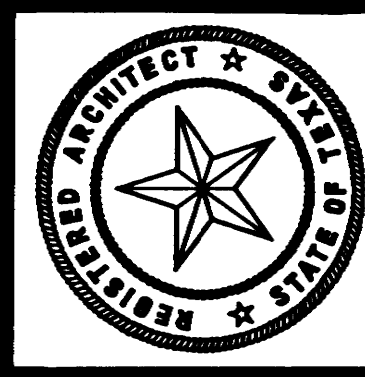
METAL GRATE CONT. AROUND PERIMETER RE DETAIL A430



GENERAL NOTES:
 ALL CEILING TILE TO BE 12" x 12" CONCEALED
 SPLINE UNLESS NOTED OTHERWISE

FIFTH FLOOR REFLECTED CEILING PLAN
 1/8" = 1'-0"

GENERAL REVISION -
 ENTIRE SHEET
 REDRAWN



KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

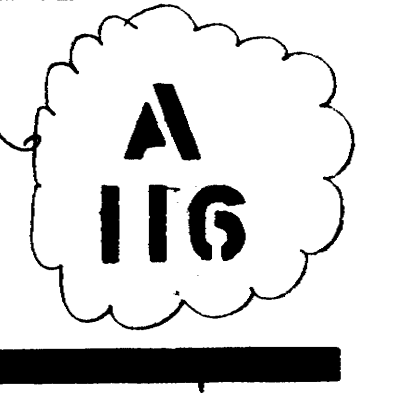
**HARRIS COUNTY
 ADMINISTRATION BUILDING**
 HOUSTON TEXAS

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REFLECTED
 CEILING PLAN
5 TH. FLOOR

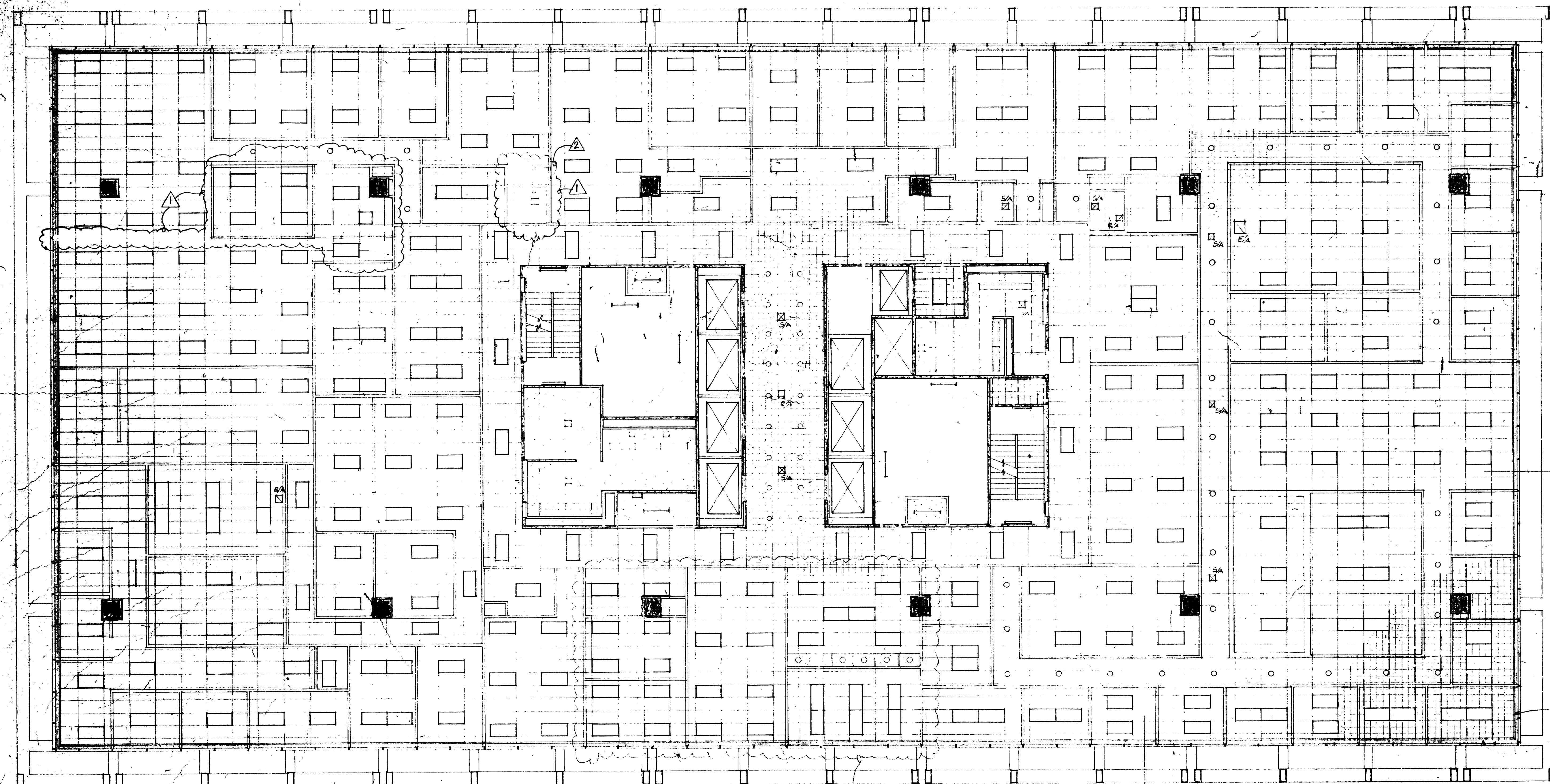
CONTRACTOR SHALL
 VERIFY ALL DIMENSIONS
 AT JOB SITE AND BE
 RESPONSIBLE FOR SAME





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
300 SOUTHWEST TOWER
BRODAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77002

**HARRIS COUNTY
ADMINISTRATION BUILDING**

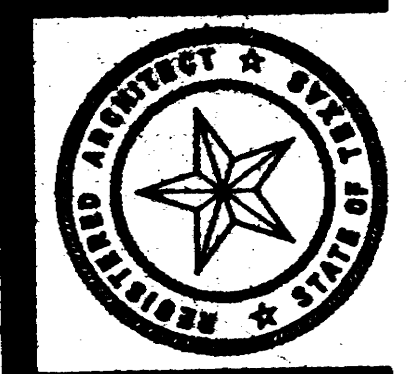


GENERAL NOTES:
ALL CEILING TILES TO BE 12" x 12" CONCEALED
SPUN UNLESS NOTED OTHERWISE
DOTTED LINES INDICATE DIRECTION
OF MAIN TEES

FLOOR REFLECTED CEILING PLAN

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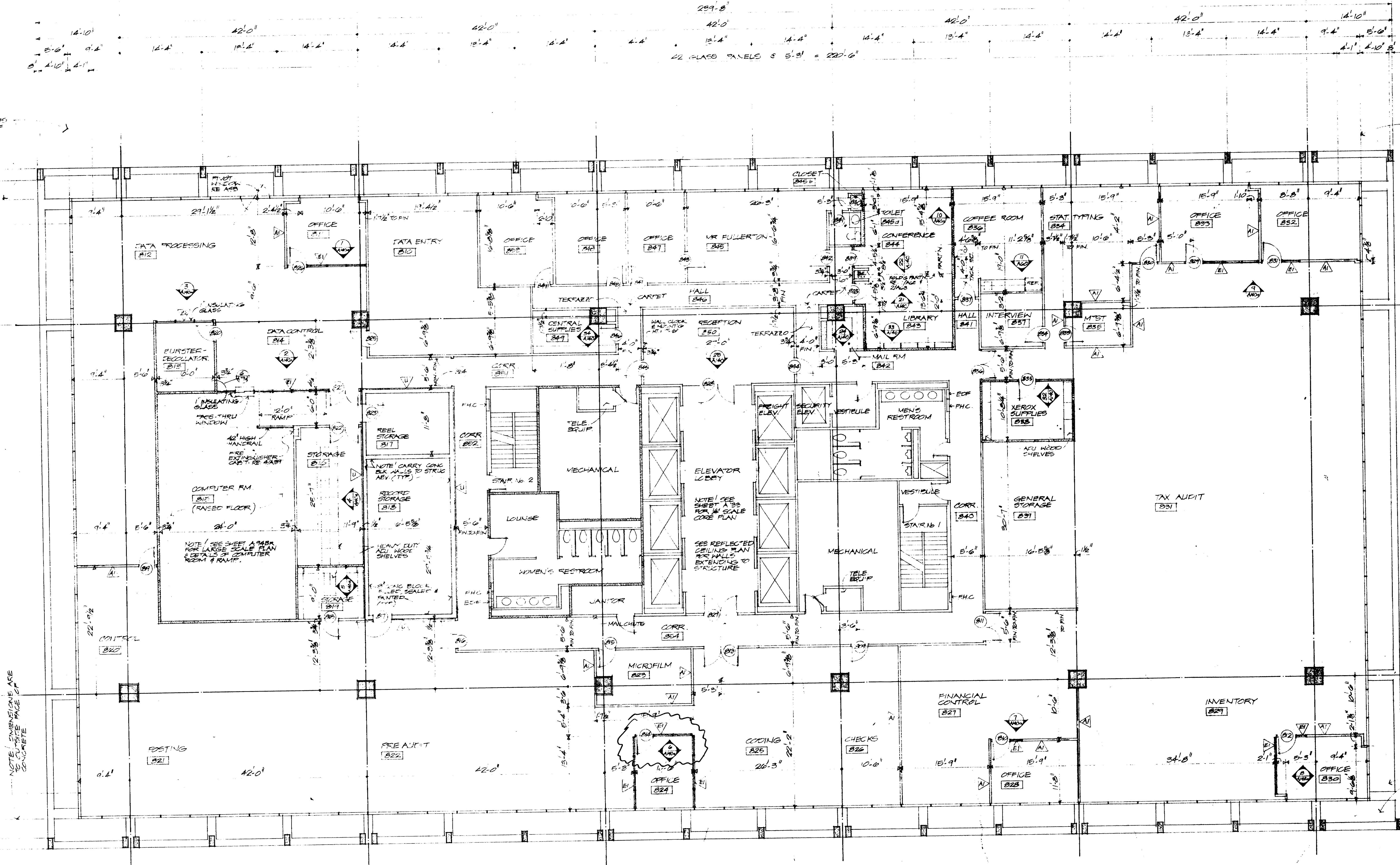
KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON, TEXAS

NO.	DATE	DESCRIPTION
1	11/77	AS SHOWN
2	1/78	REVISION

DRAWN BY: BCT
 CHECKED BY: [Signature]
 PROJECT NO: 2822
 DATE: 7-28-78
 8TH FLR PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME.



NOTE: DIMENSION IS TO OUTSIDE EDGE OF CONCRETE

NOTE: DIMENSION IS TO OUTSIDE EDGE OF CONCRETE

NOTE: DIMENSIONS ARE TO FACE OF CONCRETE

NOTE: DIMENSIONS ARE TO FACE OF CONCRETE

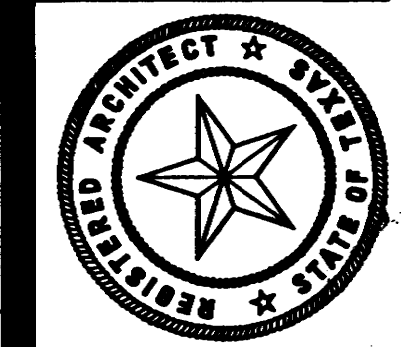
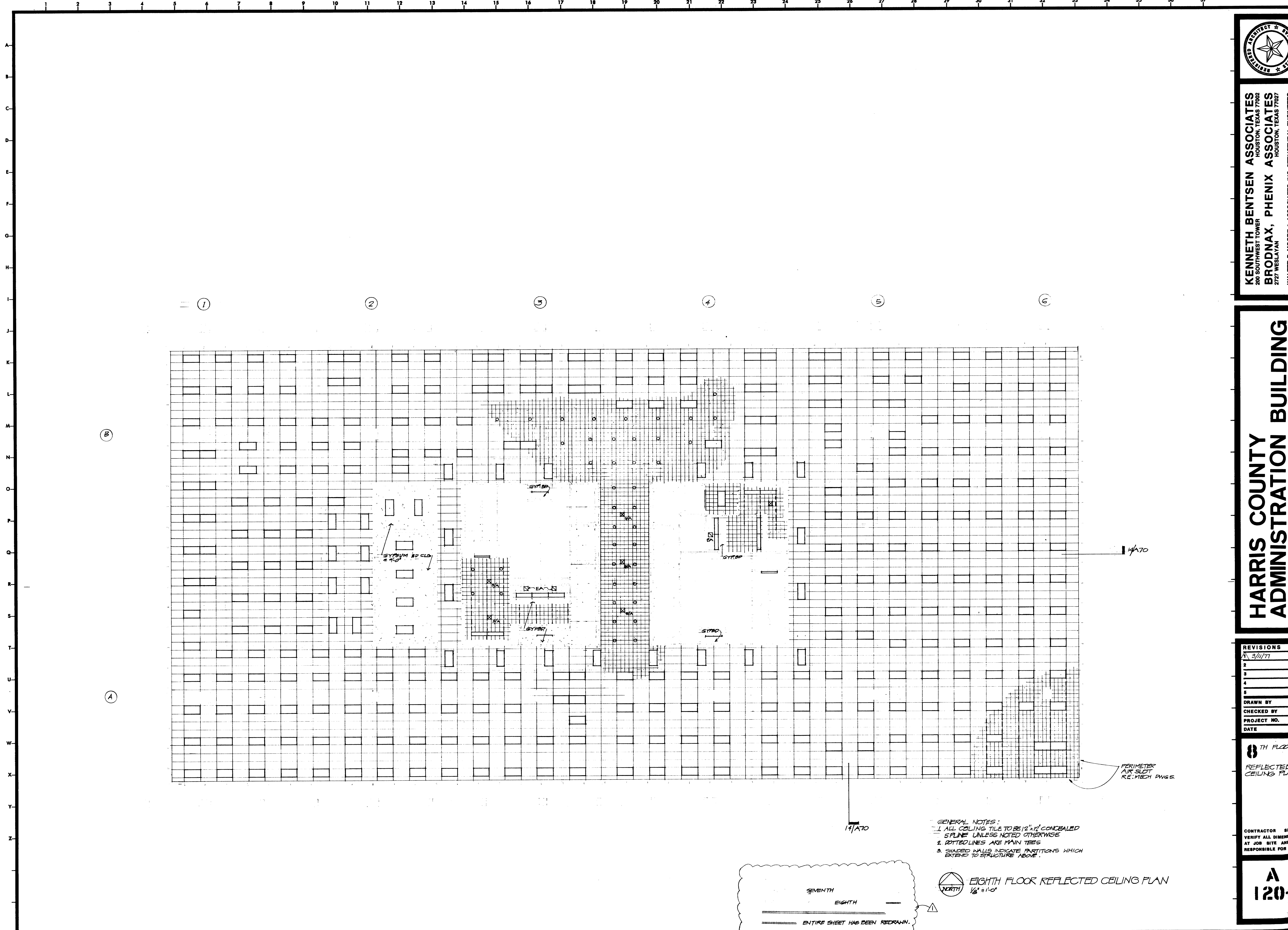
NOTE: GRILLE CONTINUOUS AROUND PERIMETER - RE: 3/4/81

THIS DRAWING AS ISSUED IN THE ORIGINAL CONTRACT, REPRESENTED THE SEVENTH FLOOR. THIS REVISION CHANGES THIS FLOOR TO THE EIGHTH FLOOR. CHANGES WITHIN THE FLOOR LEGS ARE INDICATED BY DASHED LINES. ENTIRE SHEET RE DRAWN.



EIGHTH FLOOR PLAN - COUNTY AUDITOR
 16'-11"0"

NOTE: ALL INTERIOR PARTITIONS TO BE FIXED PARTITIONS (TYPE B) UNLESS OTHERWISE NOTED. SEE ARCH 3010 FOR PARTITION DETAILS.



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77006
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

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8TH FLOOR
REFLECTED
CEILING PLAN

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME.

A 120

- GENERAL NOTES:
1. ALL CEILING TILE TO BE 12" x 12" CONCEALED SPLINE UNLESS NOTED OTHERWISE
 2. DOTTED LINES ARE MAIN TEES
 3. SHADED WALLS INDICATE PARTITIONS WHICH EXTEND TO STRUCTURE ABOVE.

 **EIGHTH FLOOR REFLECTED CEILING PLAN**
1/8" = 1'-0"

SEVENTH
EIGHTH
ENTIRE SHEET HAS BEEN REDRAWN.



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 7706
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77057
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

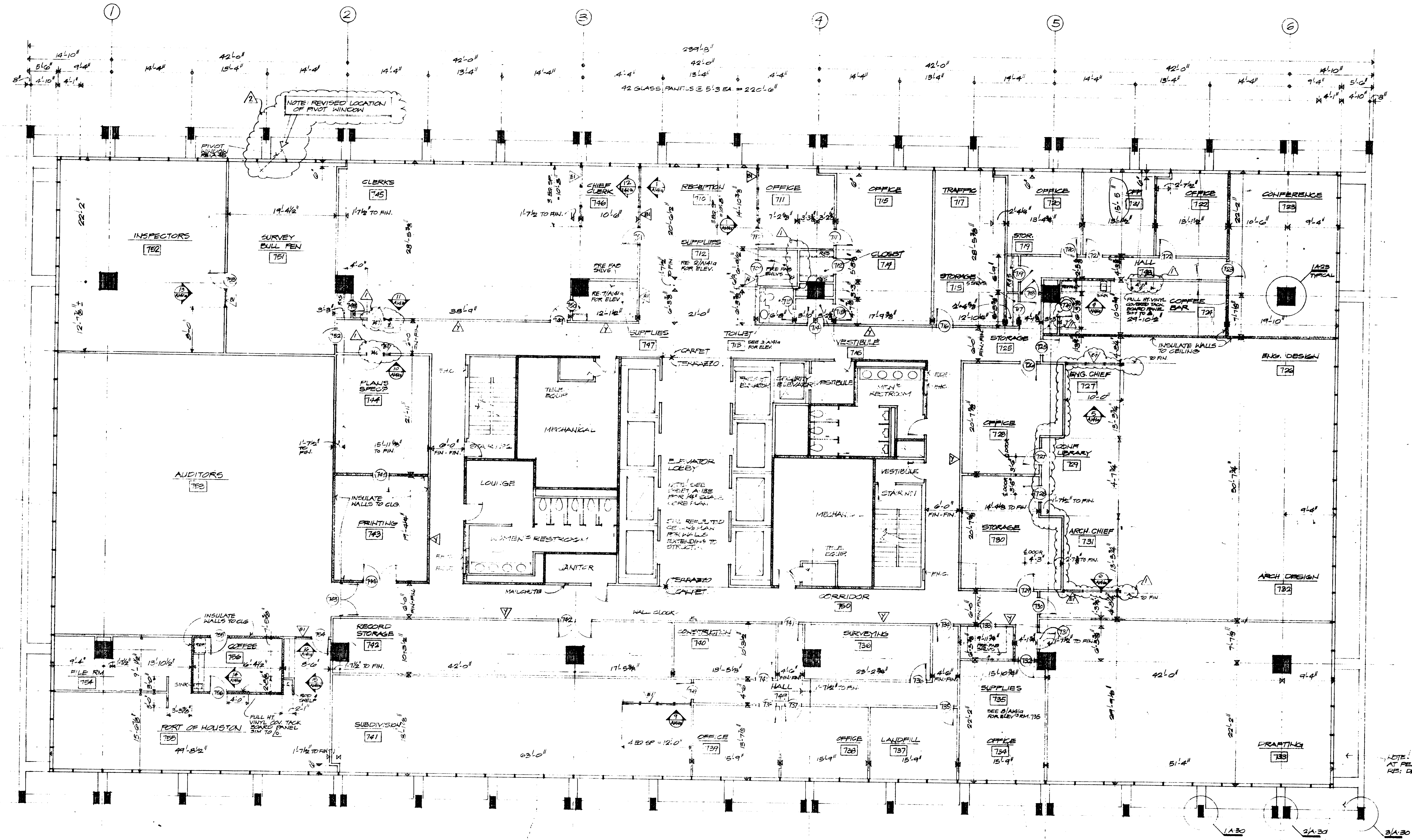
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CHECKED BY
PROJECT NO. 2503
DATE 8 DEC 70

7 TH FLR PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

A 121R



THIS DRAWING AS ISSUED IN THE ORIGINAL CONTRACT, REPRESENTED THE EIGHTH FLOOR. THIS REVISION CHANGES THIS FLOOR TO THE SEVENTH FLOOR. OTHER CHANGES WITHIN THE FLOOR ITSELF ARE "CLOUDED" INDIVIDUALLY.

SEVENTH FLOOR PLAN
ALL PARTITIONS TO BE MOVABLE PARTITIONS UNLESS NOTED OTHERWISE. SEE SHEETS A-31A, A-31B, & A-31C.

NOTE: THIS SHEET (A-121R) REPLACES THE ORIGINAL SHEET (A-121) DT: P 7-28-75

C.O.#12

NOTE: METAL GRATE AT PERIMETER RE: DETAILS 4/1/30 & 4/1/31

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ST. PATTERNED CEILING GRID AS SPECIFIED SHALL BE INSTALLED AS TO RESULT IN A 2'0" GRID. ADDITIONAL TILES SHALL BE STAMPED IN PATTERN OVER THE FLOOR.

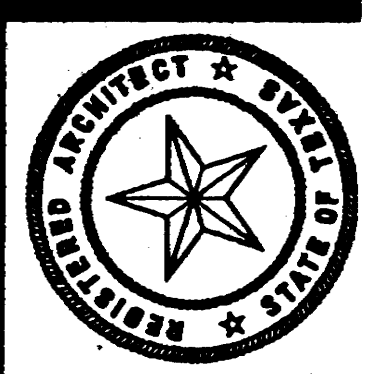
1/4" = 1'-0"

1/4" = 1'-0"

GENERAL NOTES:
ALL CEILING TILES TO BE 12" x 12" CONCRETE SPUNGE UNLESS OTHERWISE NOTED.
DOTTED LINES INDICATE DIRECTION OF MAIN TIE'S



EIGHTH FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY
ADMINISTRATION BUILDING
HOUSTON TEXAS

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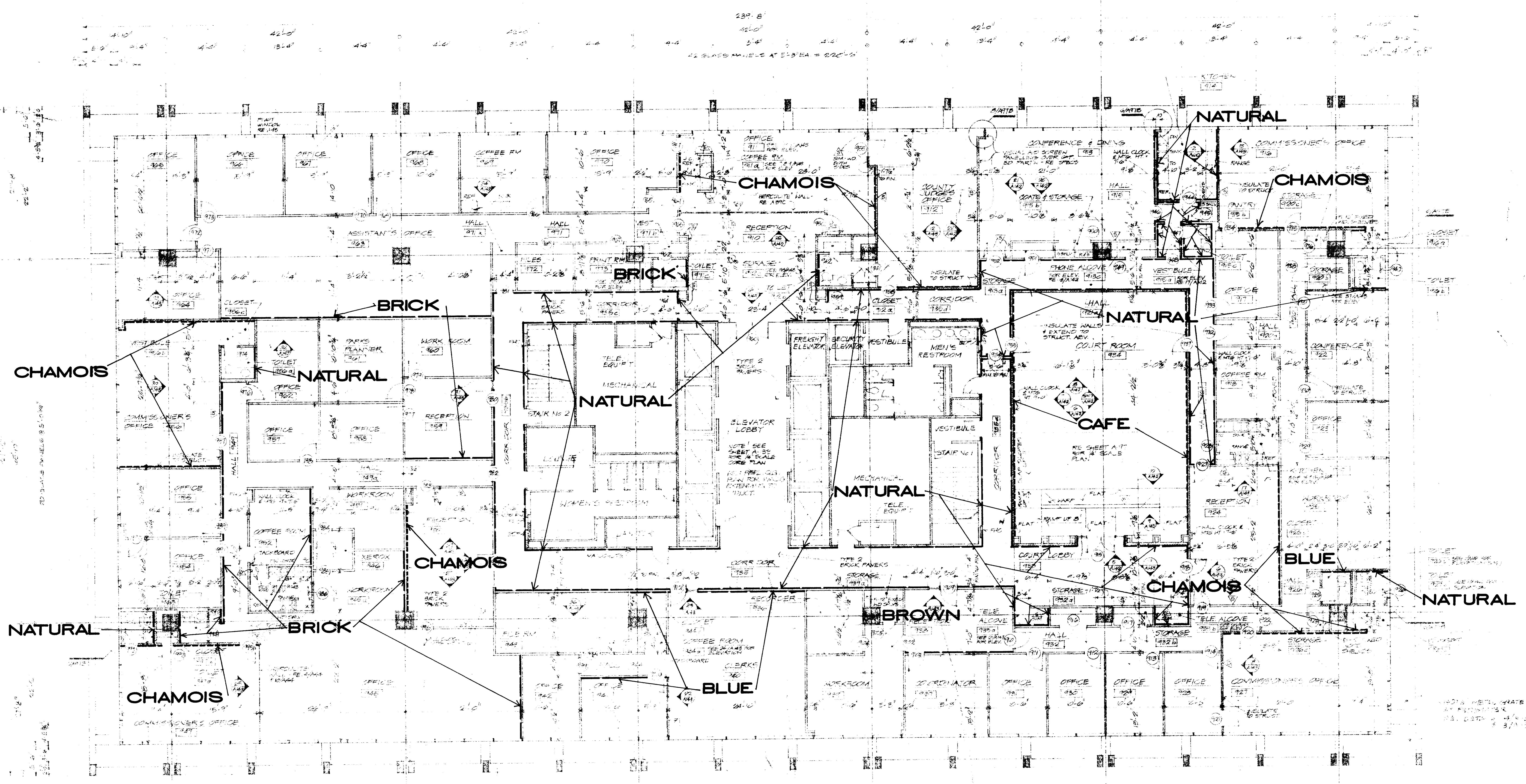
8TH FLOOR REFLECTED CEILING PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

122

HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON

REVISION	
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NOTE: ALL OTHER WALLS SCHEDULED IN ARCHITECTS FINISH SCHEDULE
 FOR VINYL WALLCOVERING TO BE WAX.

5TH FLOOR PLAN
 NORTH

CONTRACTOR SHALL
 VERIFY ALL DIMENSIONS
 AT JOB SITE AND BE
 RESPONSIBLE FOR AMP

A
 12312



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STR. ENGRS.
CHENAU & BRADY CO. ENGINEERS

HARRIS COUNTY
ADMINISTRATION BUILDING
HOUSTON, TEXAS

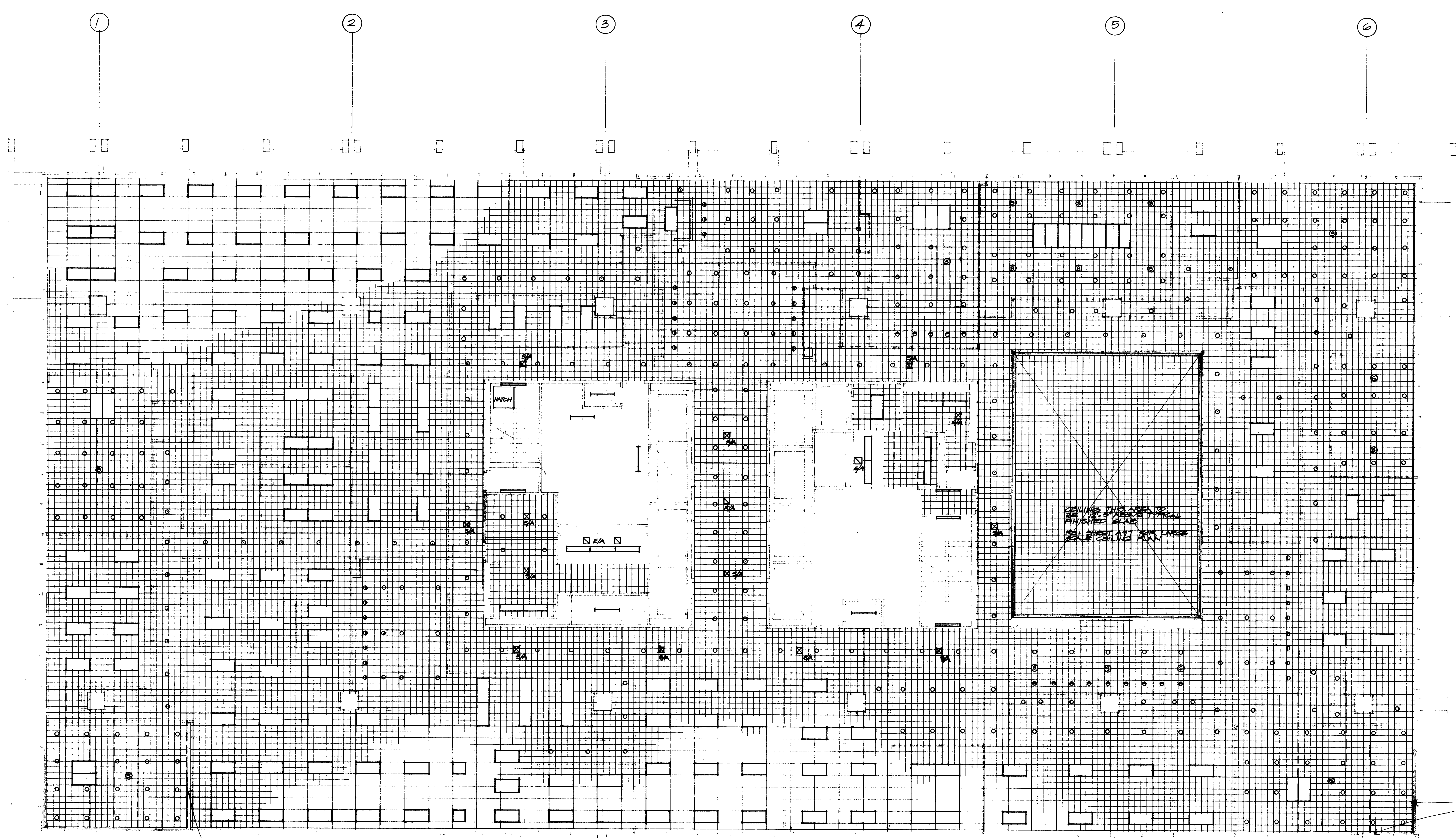
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CHECKED BY
PROJECT NO.
DATE

REFLECT CEILING
9TH FL.

CONTRACTOR
VERIFY ALL DIMS.
AT JOB SITE
RESPONSIBLE FOR

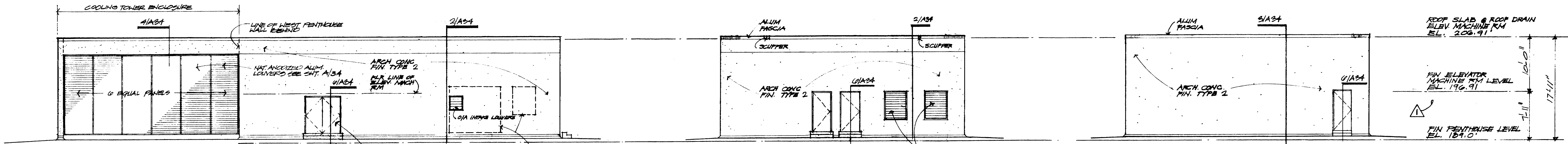
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GENERAL NOTES:
ALL CEILING TILES TO BE 12" X 12" CONCEALED
GFLINE UNLESS NOTED OTHERWISE.
SHADED PARTITIONS INDICATE SOUND HALLS
TO BE EXTENDED TO STRUCTURE ABOVE.

NINTH FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

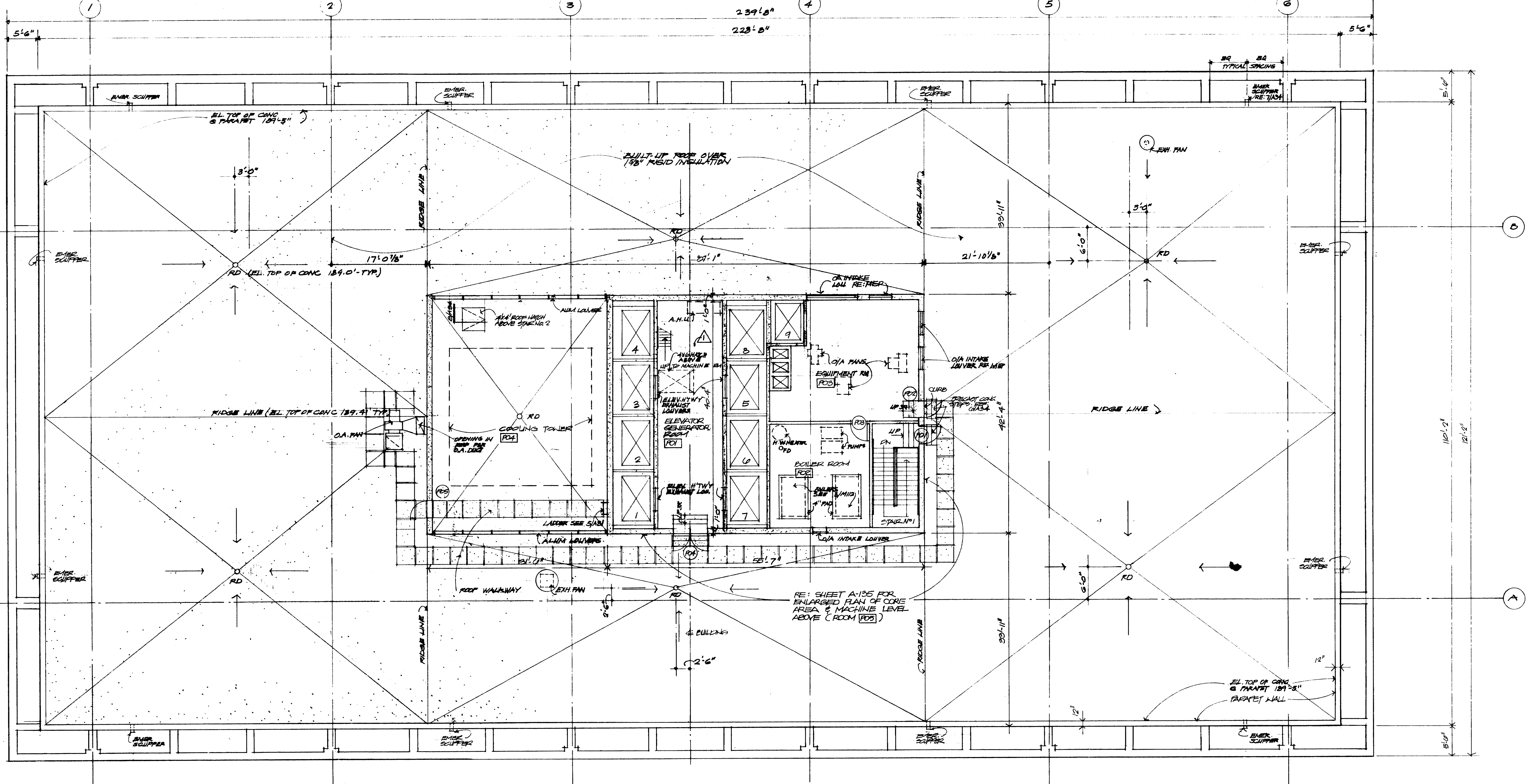
ENTIRE SHEET RE-DRAWN



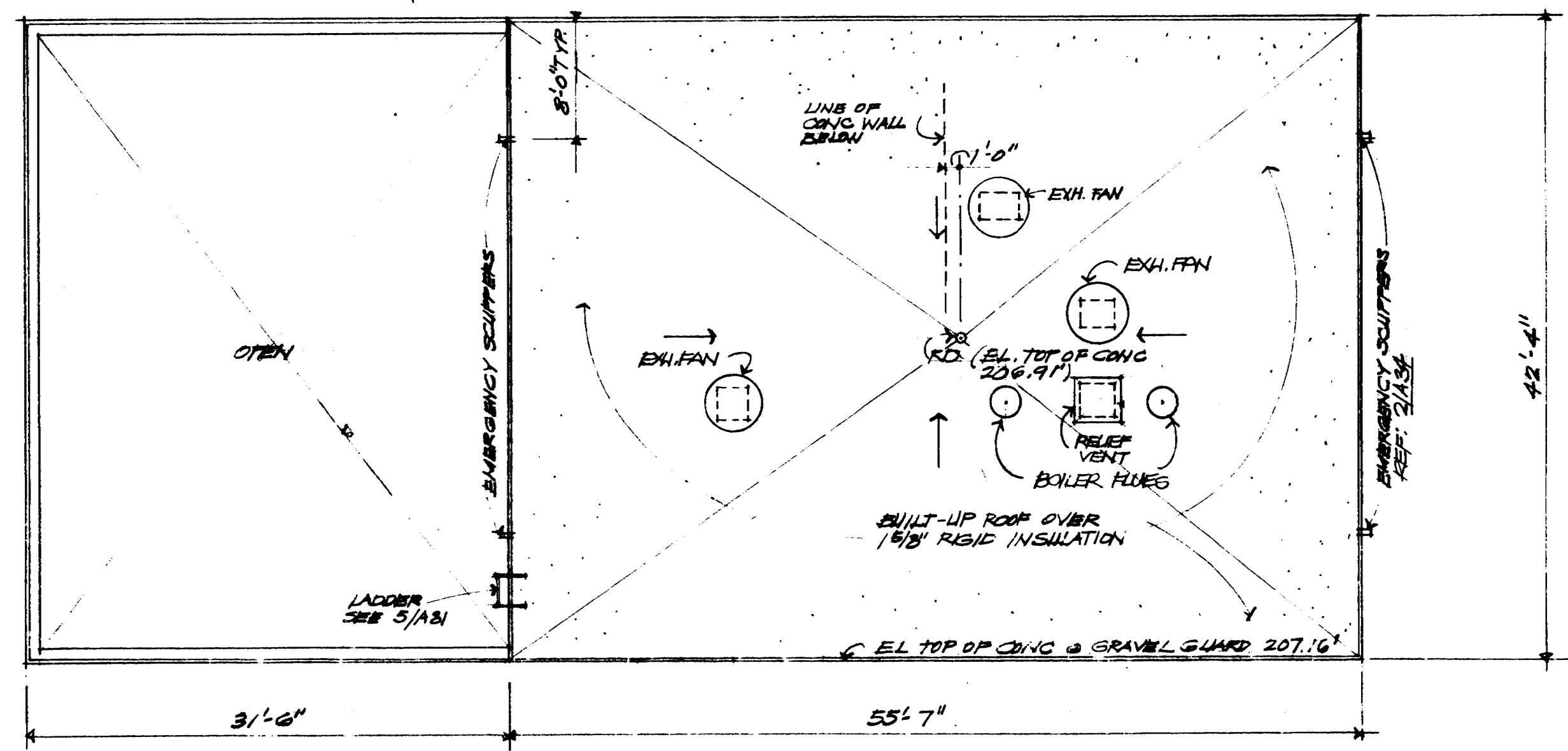
NOTE: SEE PARTIAL ENLARGED ELEVATION CHIT. A/54
3 SOUTH ELEVATION - PENTHOUSE
 10' x 11.0' NORTH ELEVATION SIMILAR OFF HAND

4 EAST ELEVATION - PENTHOUSE
 10' x 11.0'

5 WEST ELEVATION - COOLING TOWER ENCLOSURE
 10' x 11.0'



2 ROOF PLAN + PENTHOUSE
 1/8" = 1'-0"



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KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 2727 WESLAVAN
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY
ADMINISTRATION BUILDING
 HOUSTON TEXAS

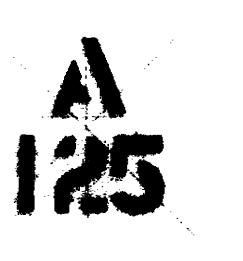
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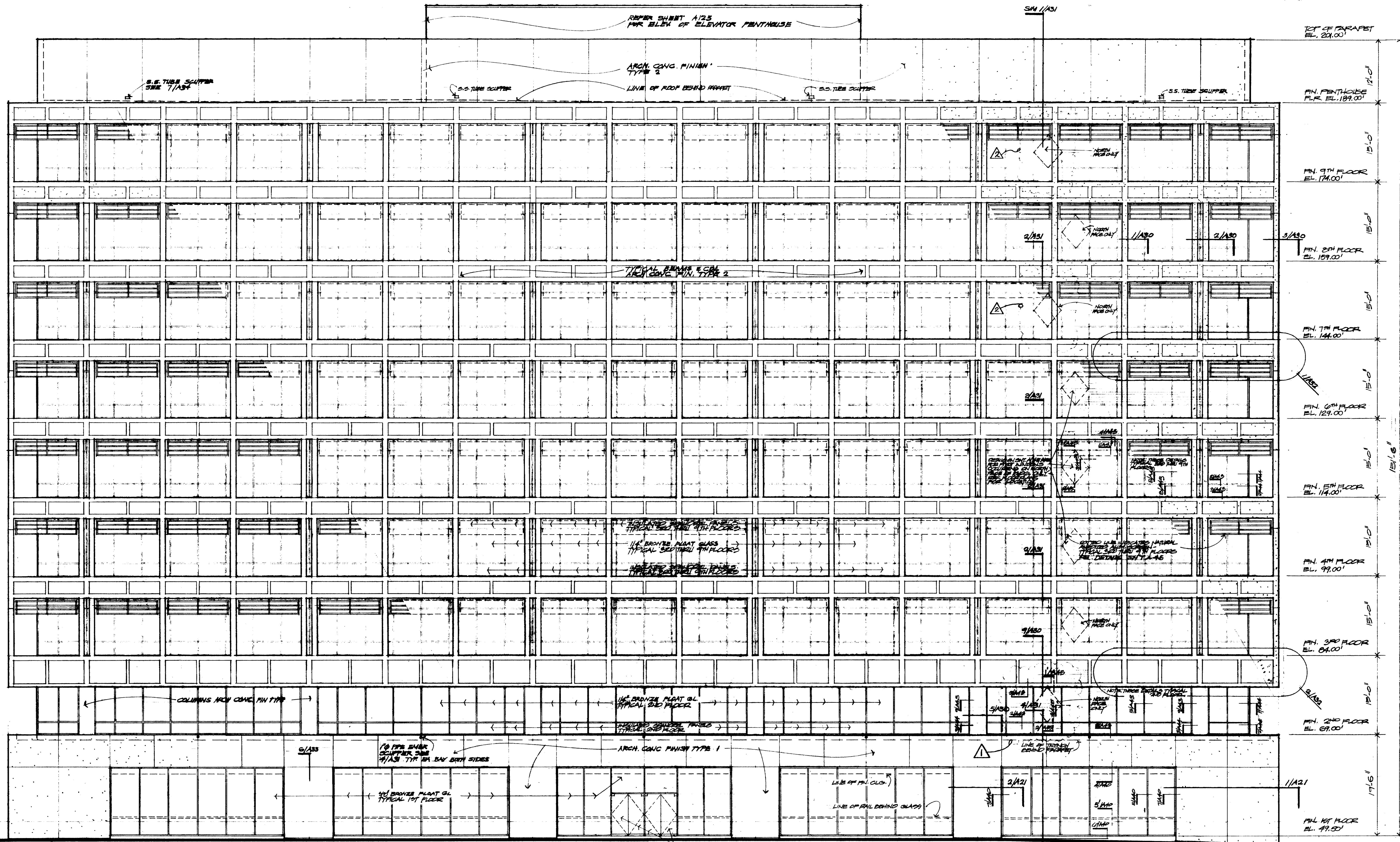
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 CHECKED BY
 PROJECT NO. 3500
 DATE 7-20-75

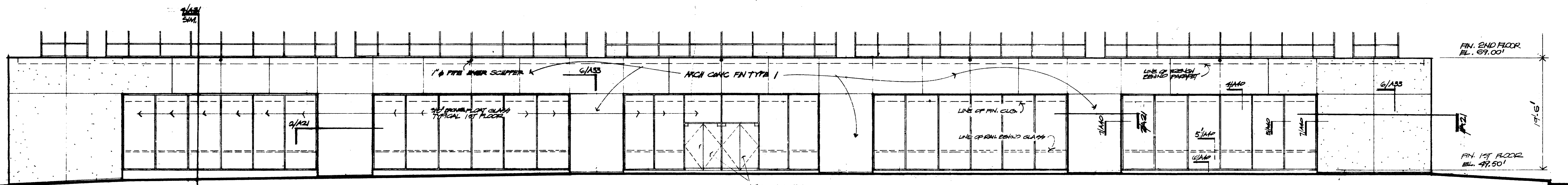
ROOF PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





1 SOUTH BUILDING ELEVATION
 105'-11.0" NORTH ELEVATION SIMILAR - SEE BELOW



2 PARTIAL NORTH BUILDING ELEVATION
 10'-11.0" SEE ABOVE FOR 2ND FLOOR THRU ROOF



KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 2727 WESLAVAN
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY
ADMINISTRATION BUILDING
 HOUSTON, TEXAS

REVISIONS

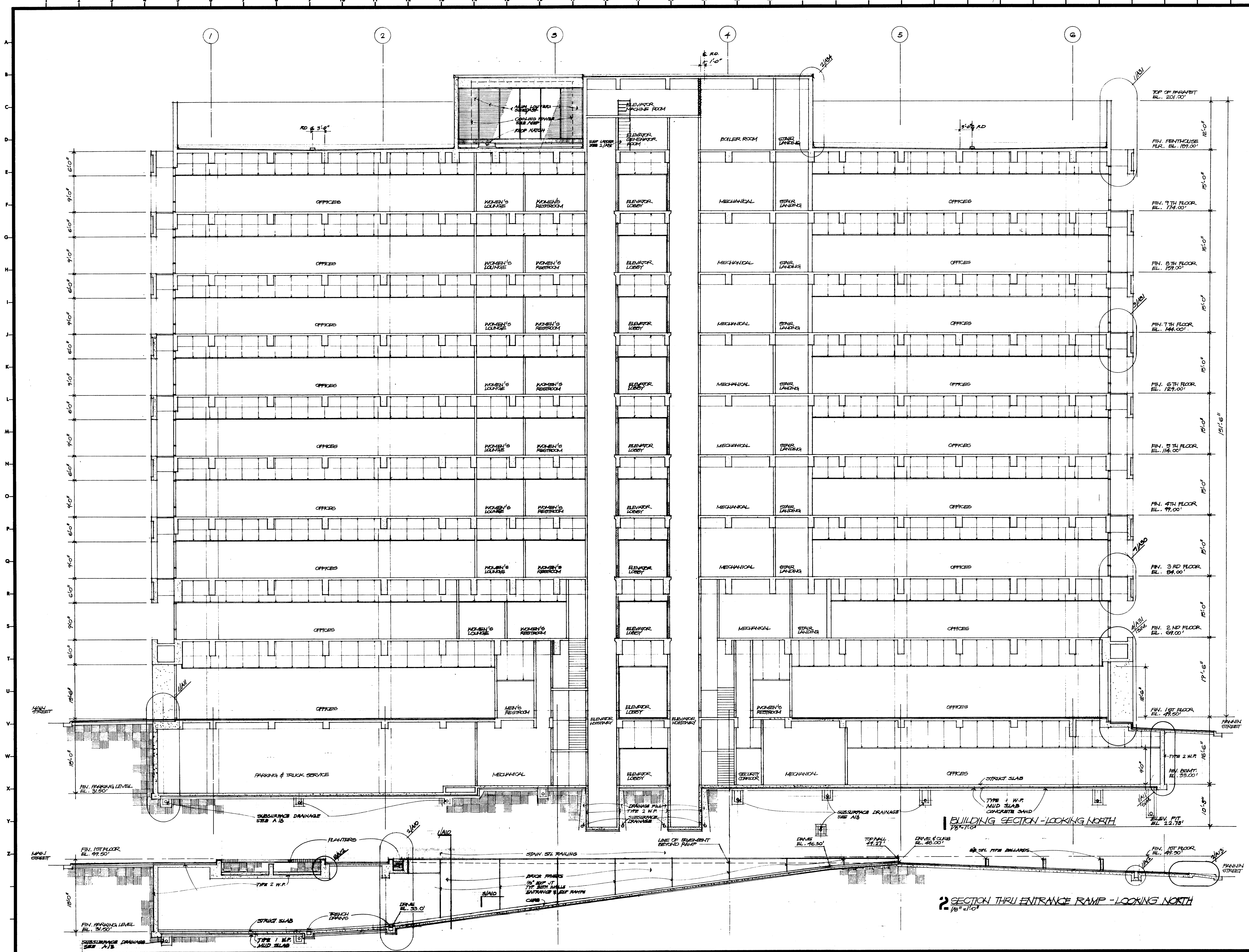
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DRAWN BY FT
 CHECKED BY
 PROJECT NO. 9550
 DATE 7-28-75

BUILDING ELEVATIONS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY
ADMINISTRATION BUILDING
HOUSTON TEXAS

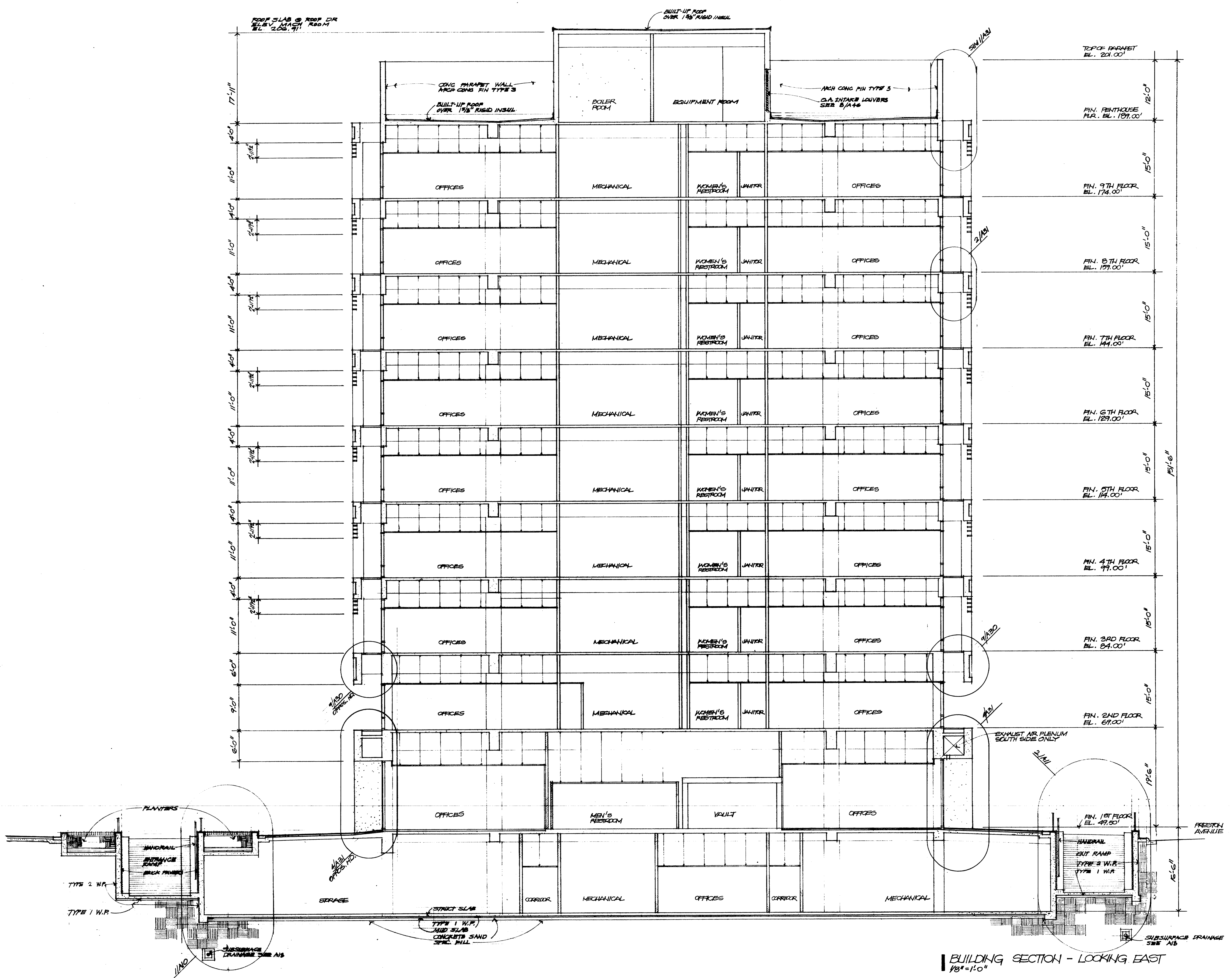
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DRAWN BY RAL
CHECKED BY
PROJECT NO. 9506
DATE 7-20-75

BUILDING SECTION - LOOKING NORTH

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77057
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON, TEXAS

REVISIONS

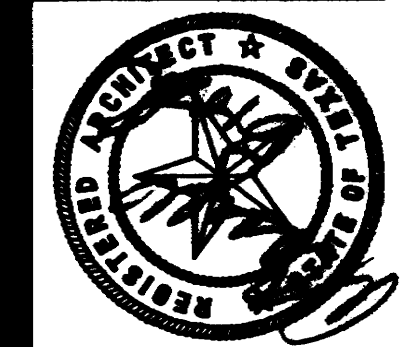
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DRAWN BY PAL
CHECKED BY
PROJECT NO. 8506
DATE 7-28-75

BUILDING SECTION
LOOKING EAST

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME





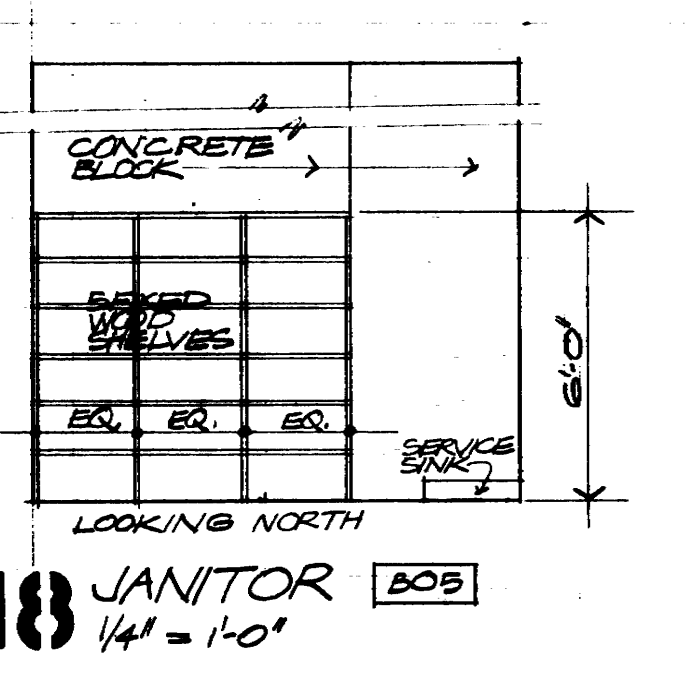
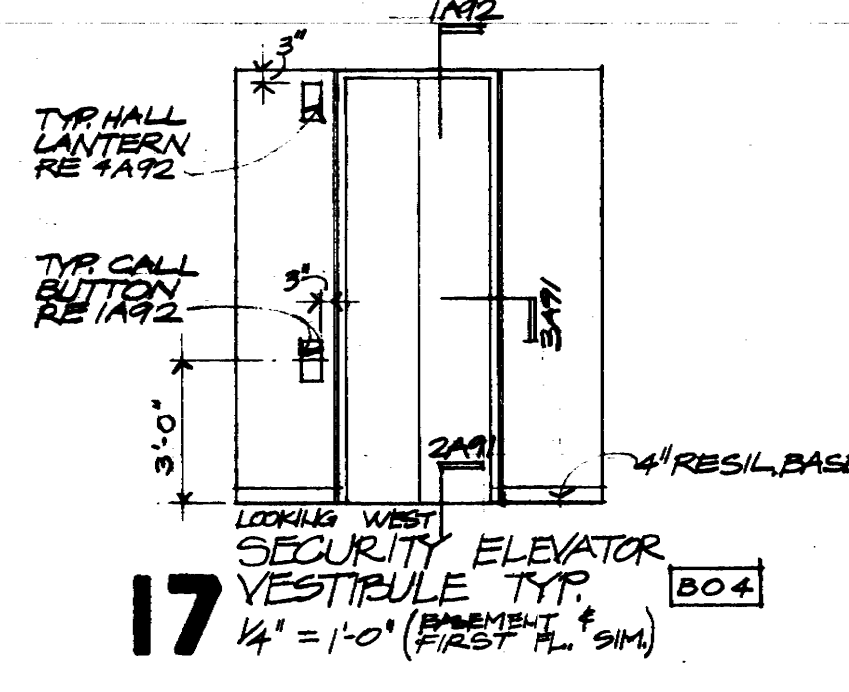
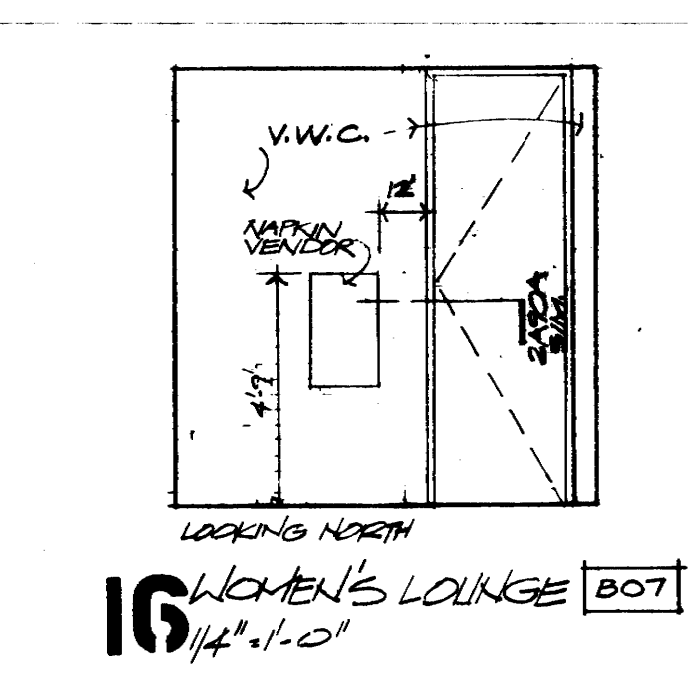
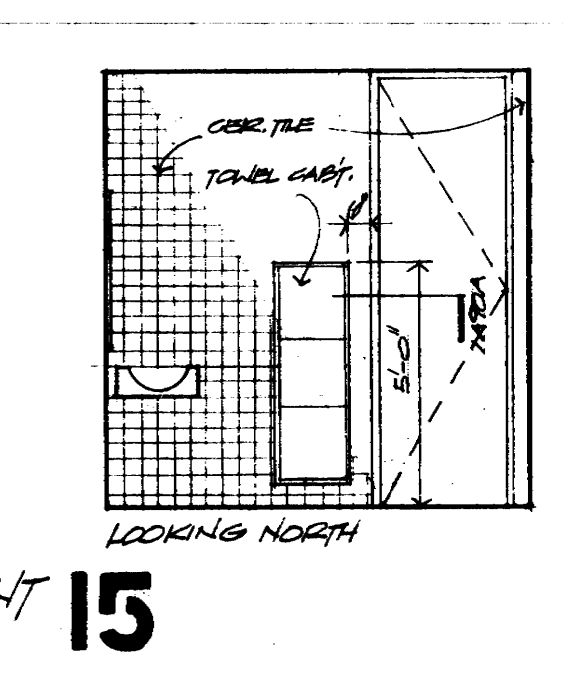
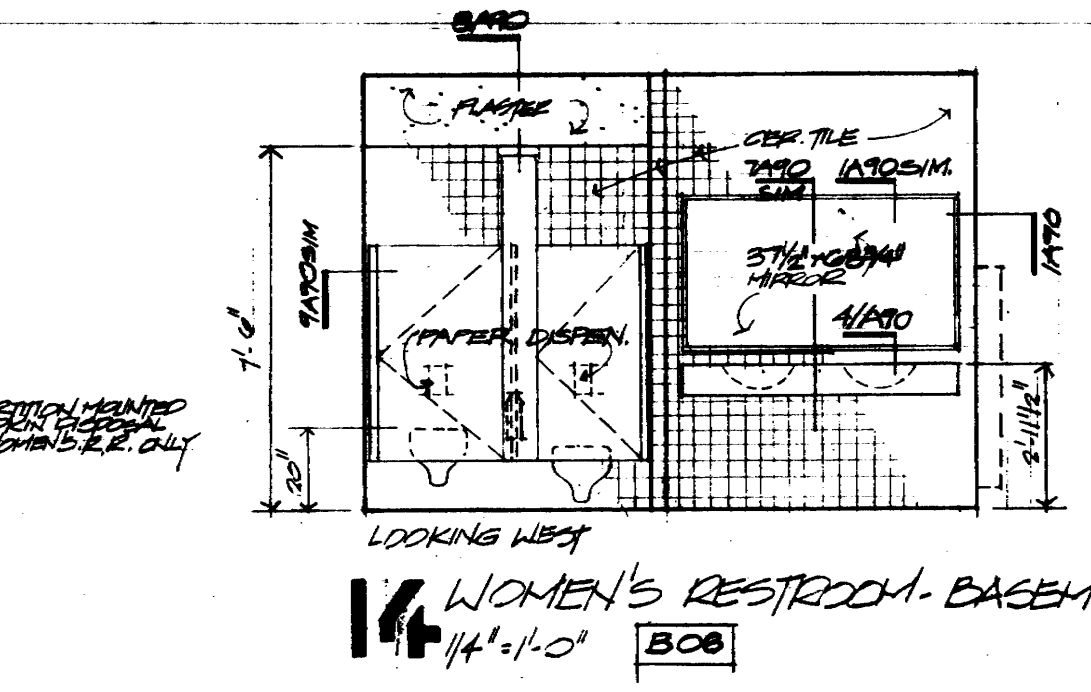
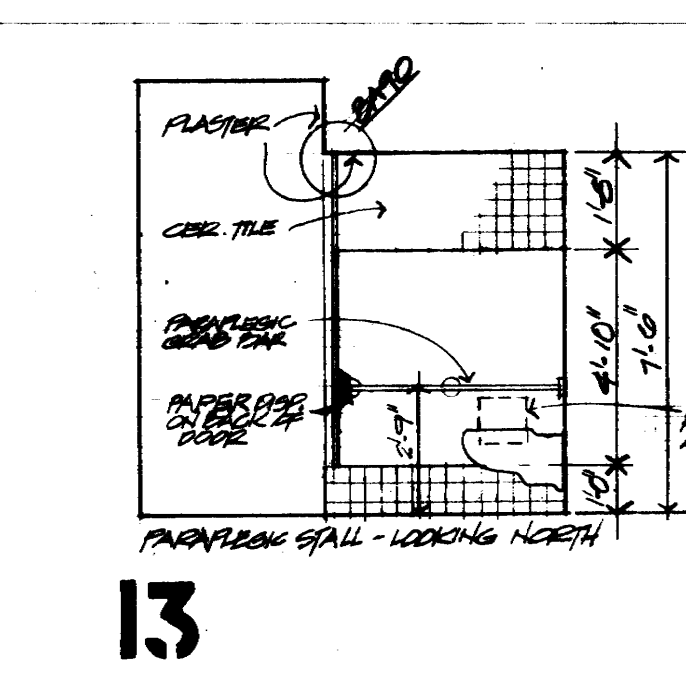
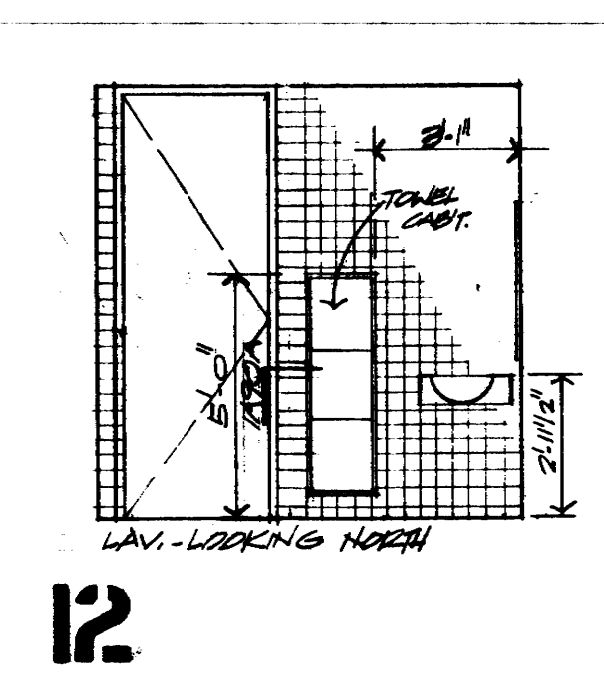
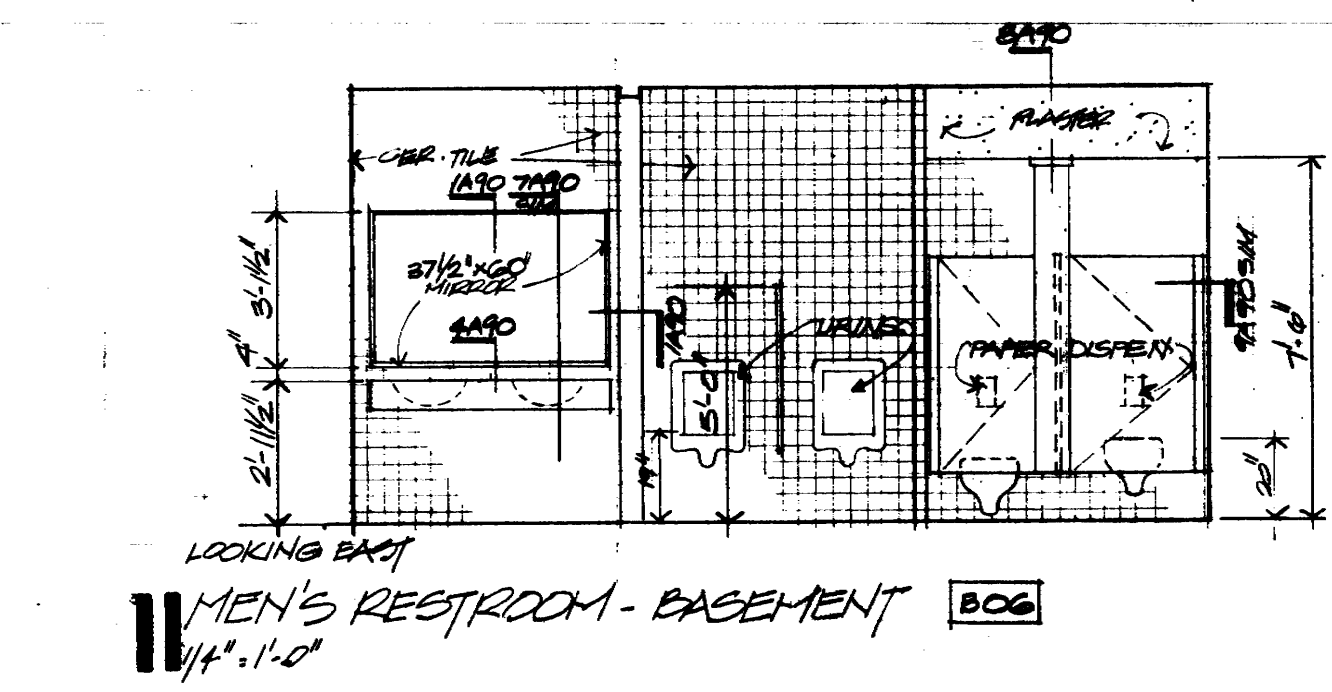
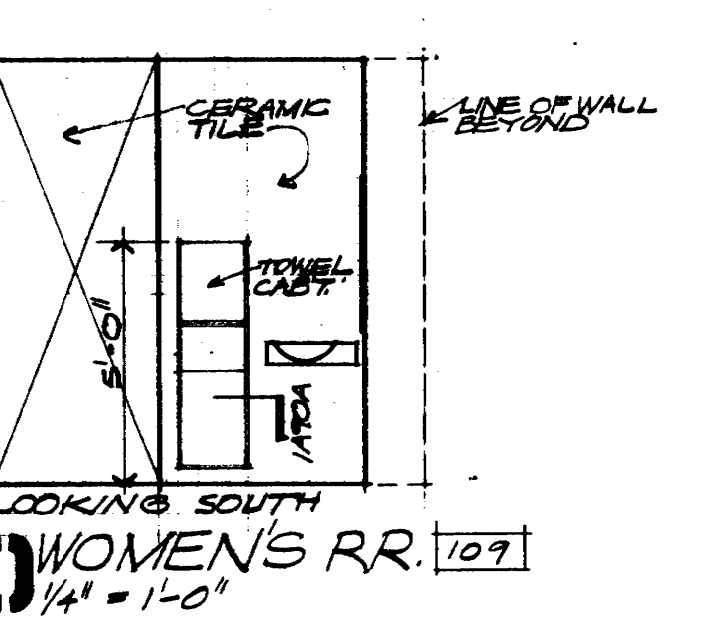
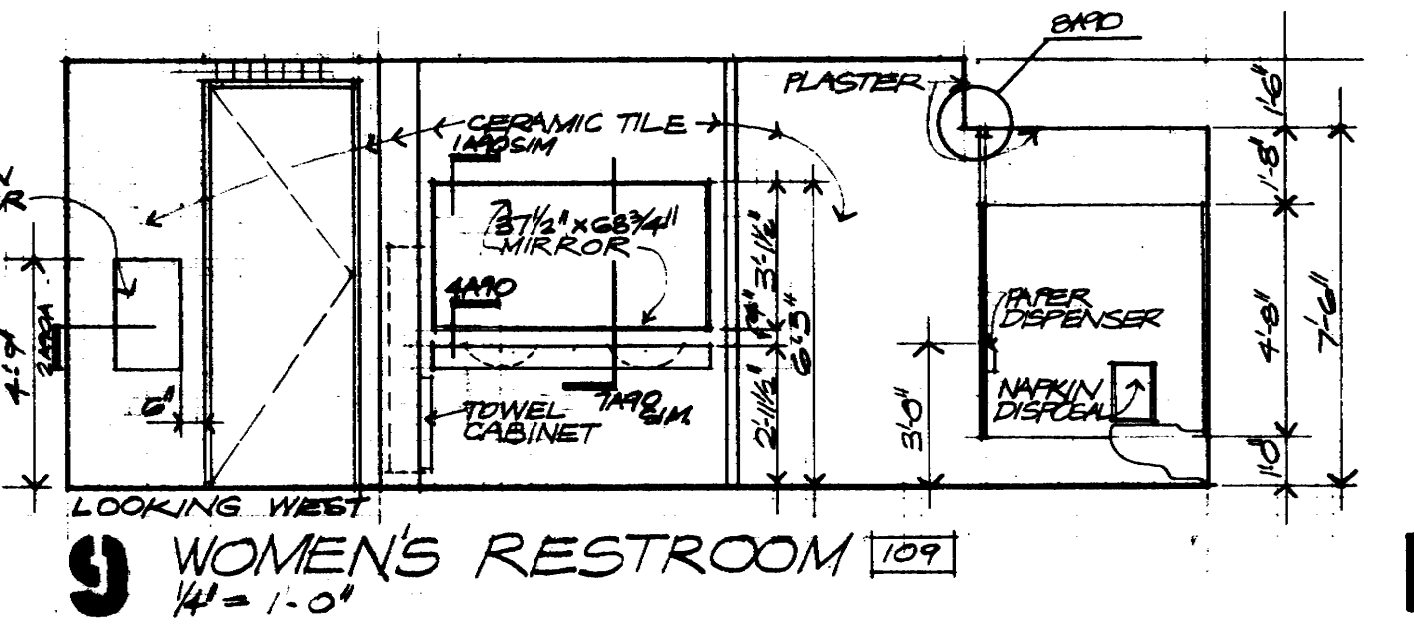
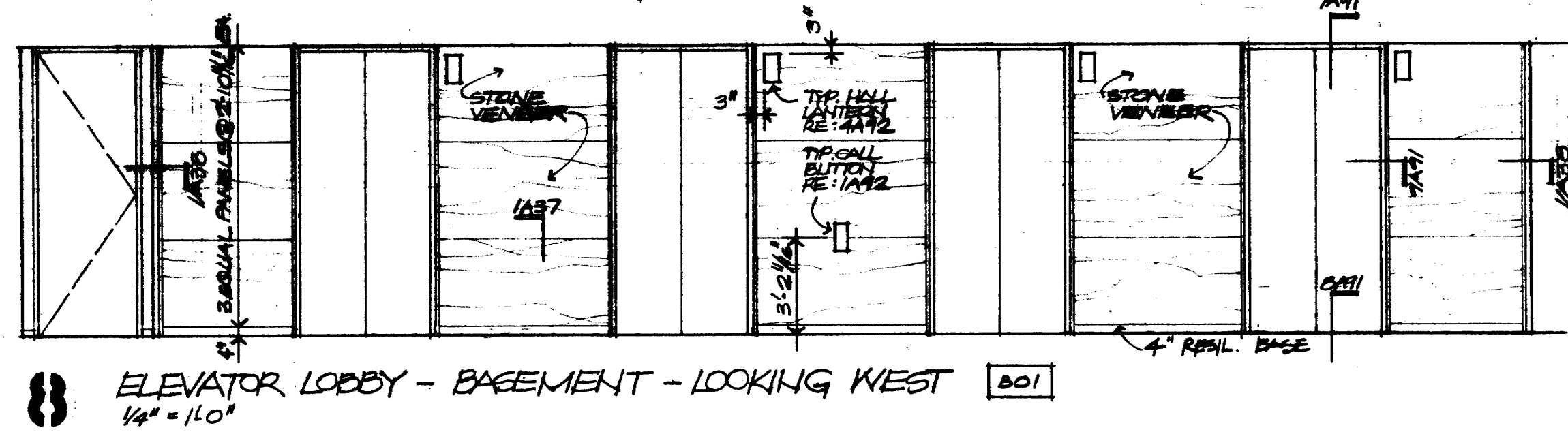
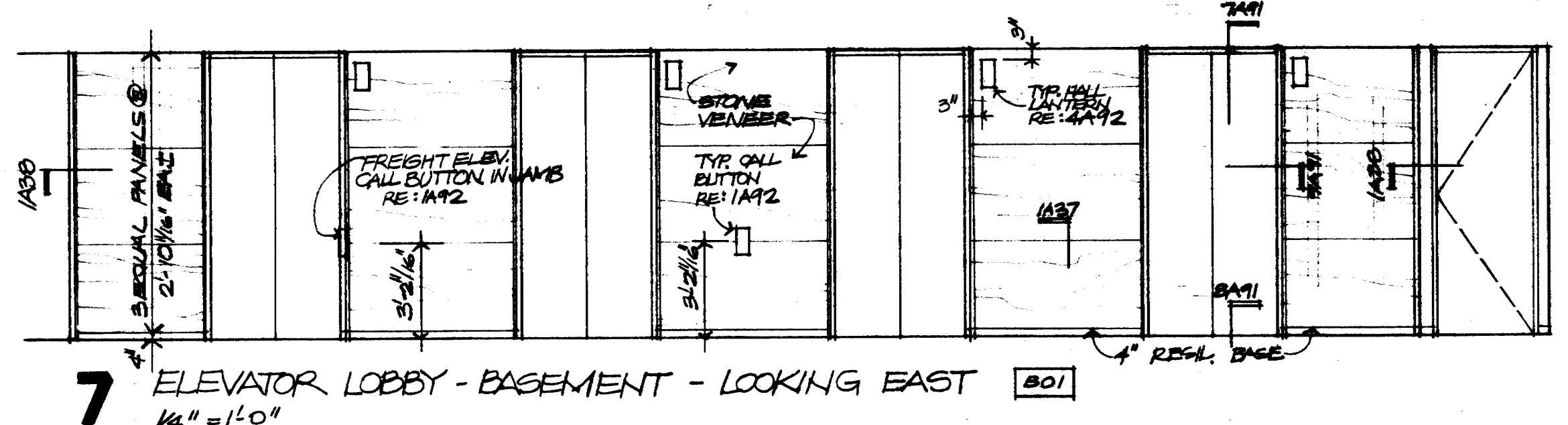
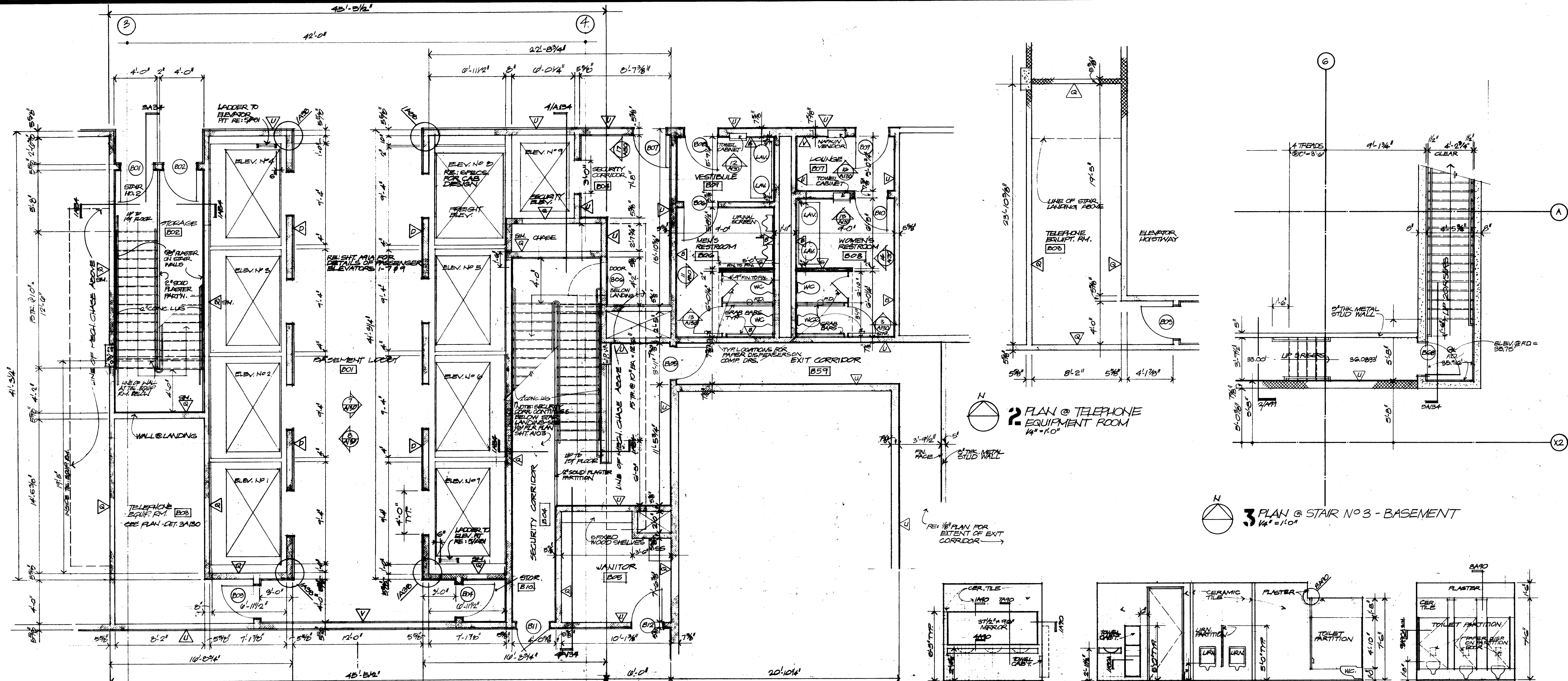
KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

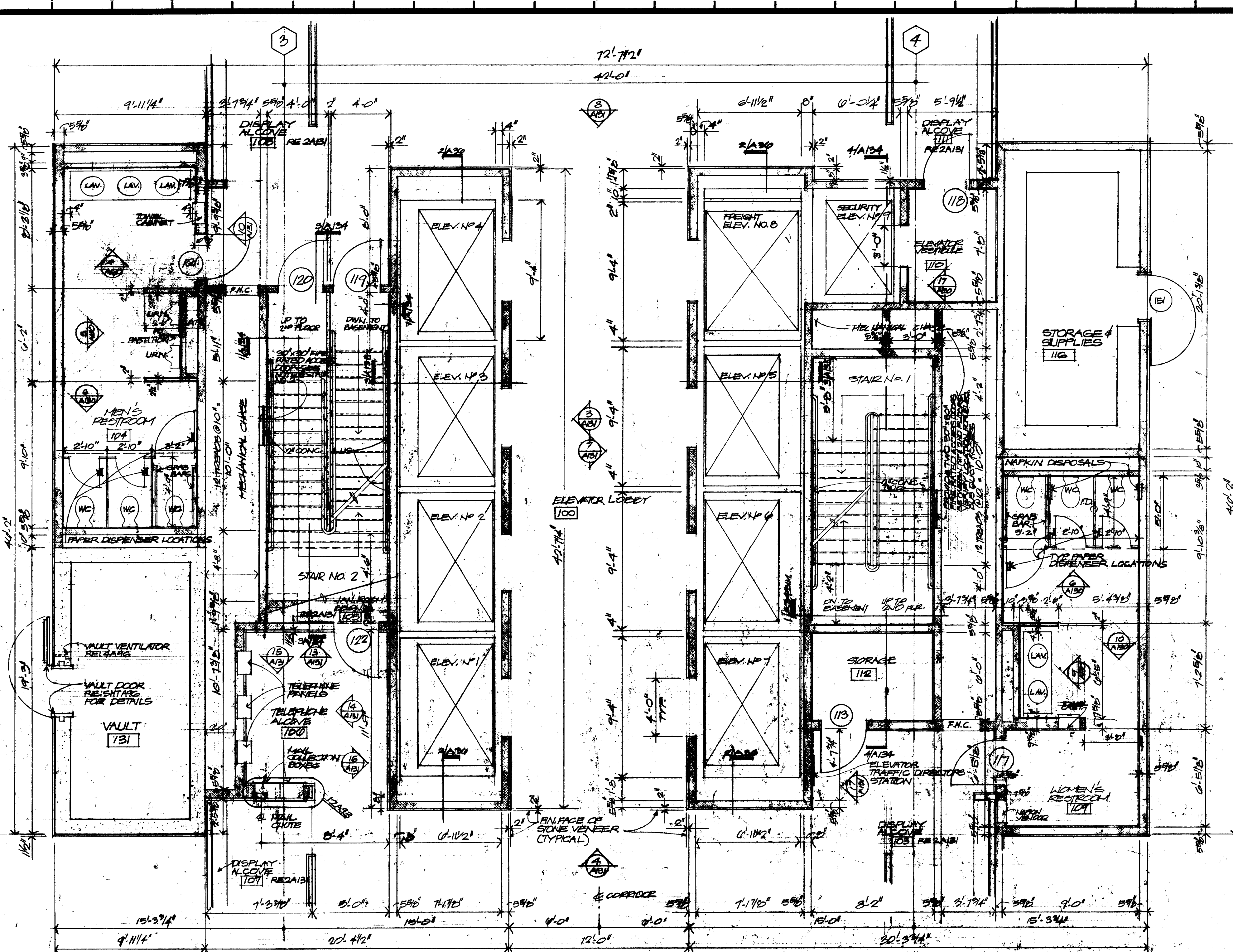
HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON, TEXAS

NO.	REVISIONS
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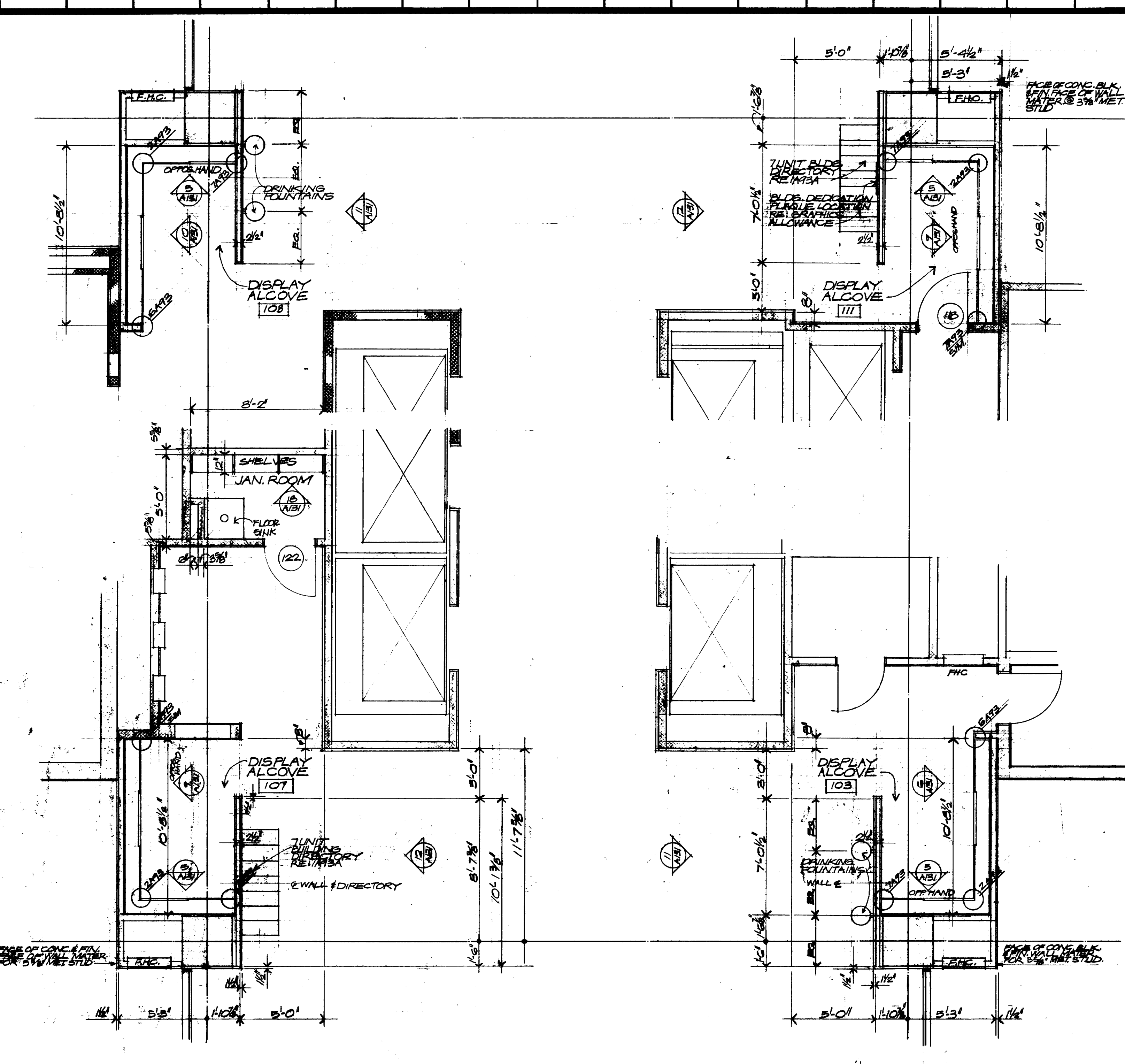
DRAWN BY D.S.R.L.
 CHECKED BY
 PROJECT NO. 3500
 DATE 7-28-75
CORE PLAN & ELEVATIONS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

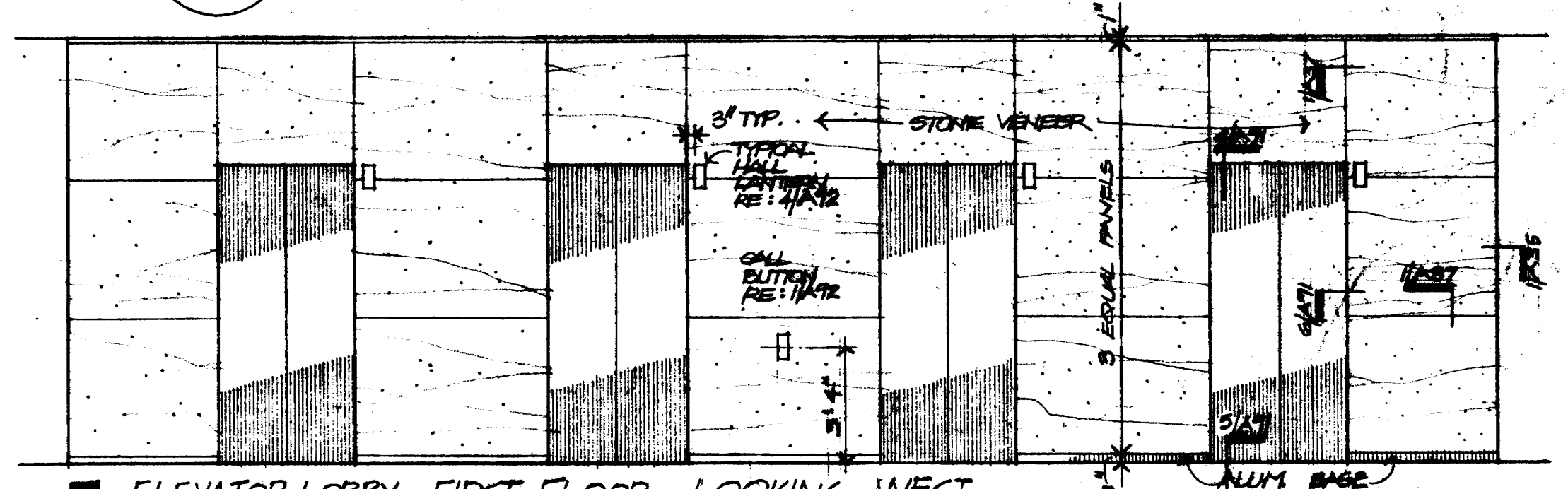




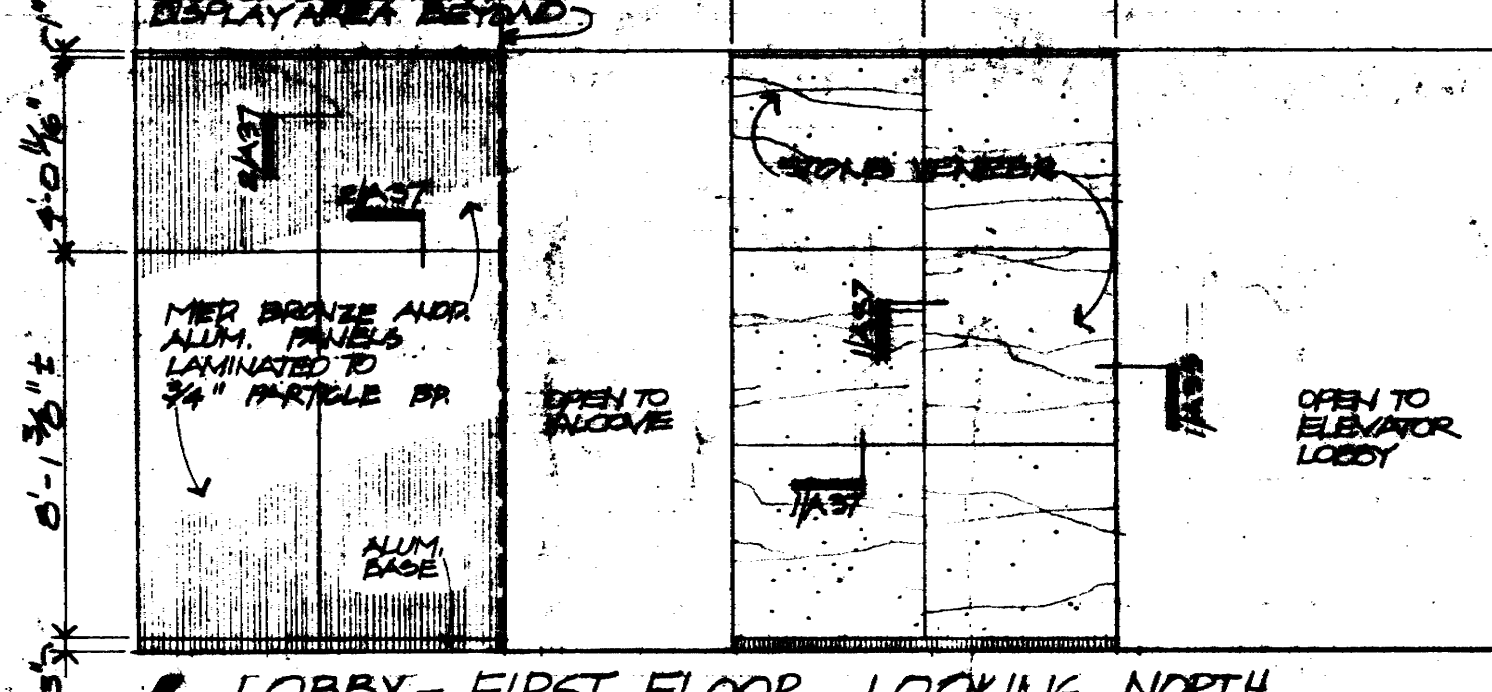
1 FIRST FLOOR CORE PLAN
1/4" = 1'-0"



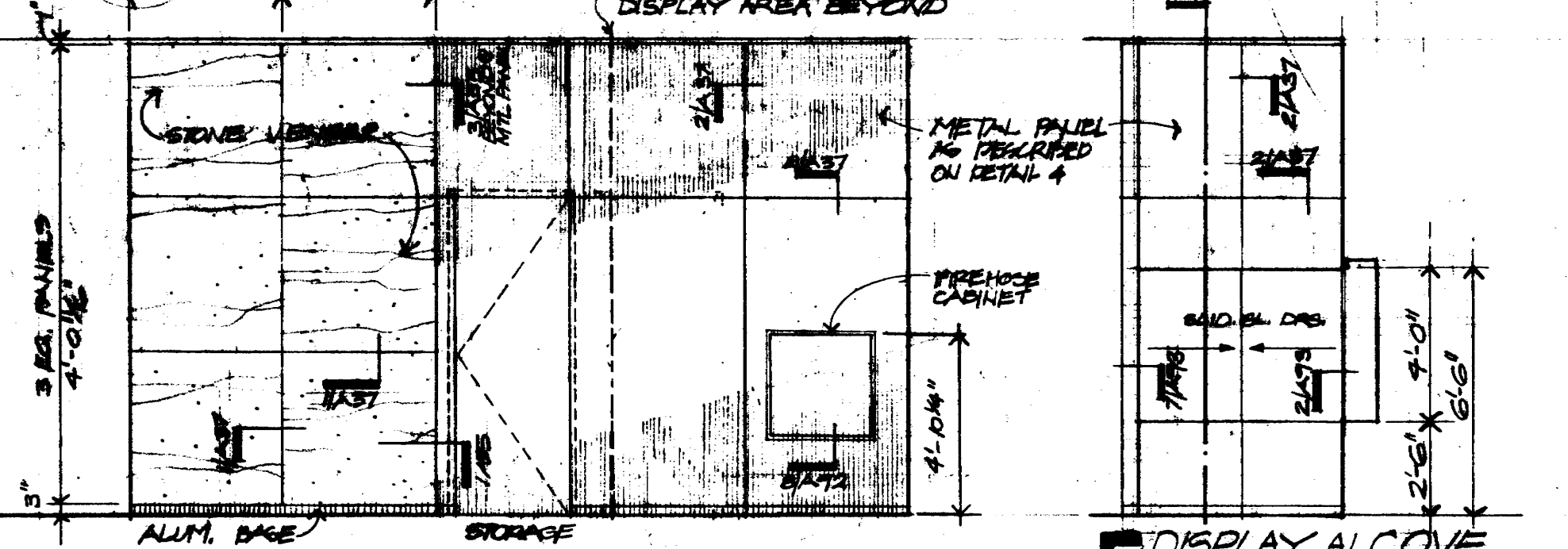
2 FIRST FLOOR DOCUMENT DISPLAY ALCOVES
1/4" = 1'-0"



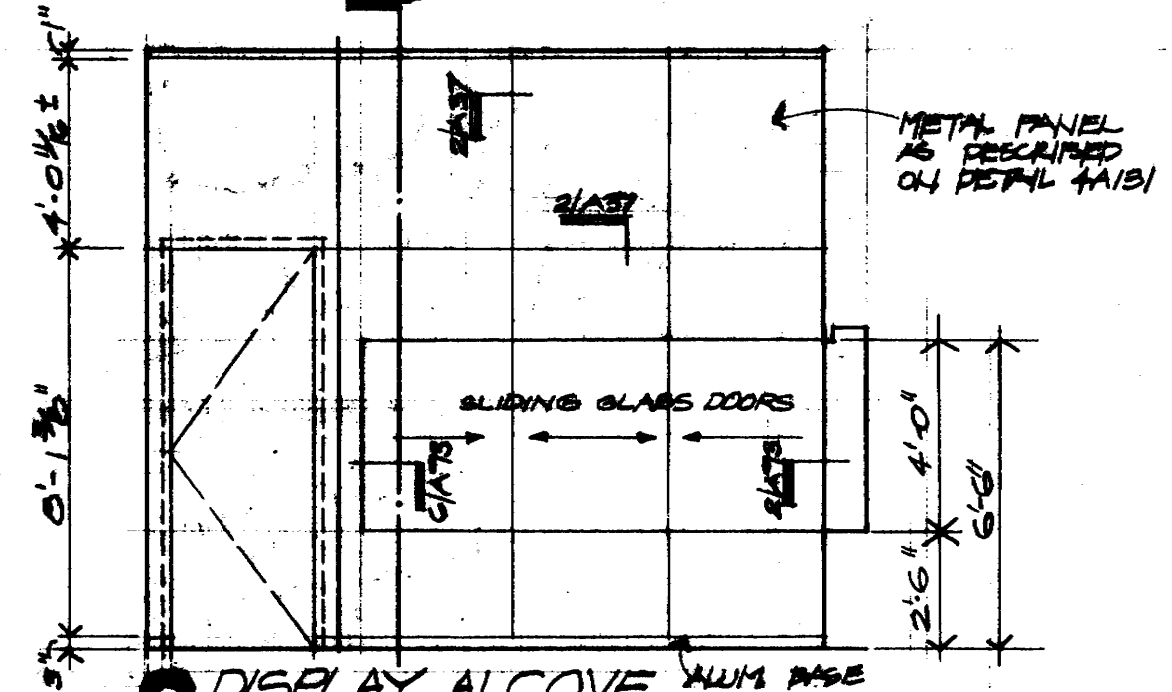
3 ELEVATOR LOBBY - FIRST FLOOR - LOOKING WEST
1/4" = 1'-0"



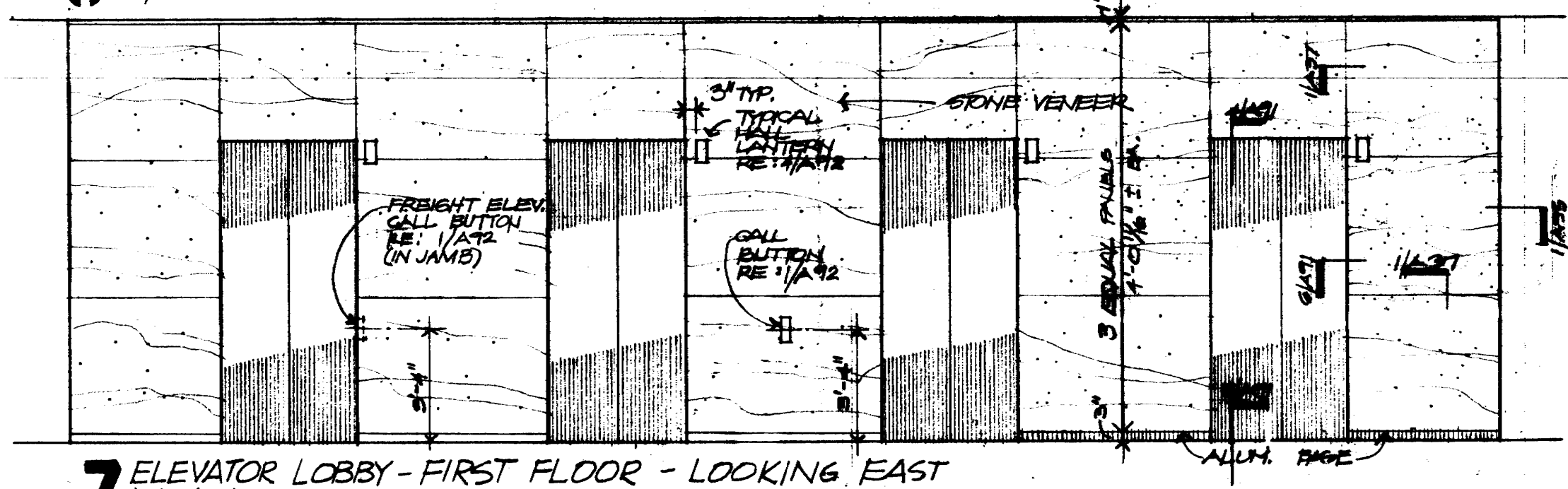
4 LOBBY - FIRST FLOOR - LOOKING NORTH
1/4" = 1'-0"



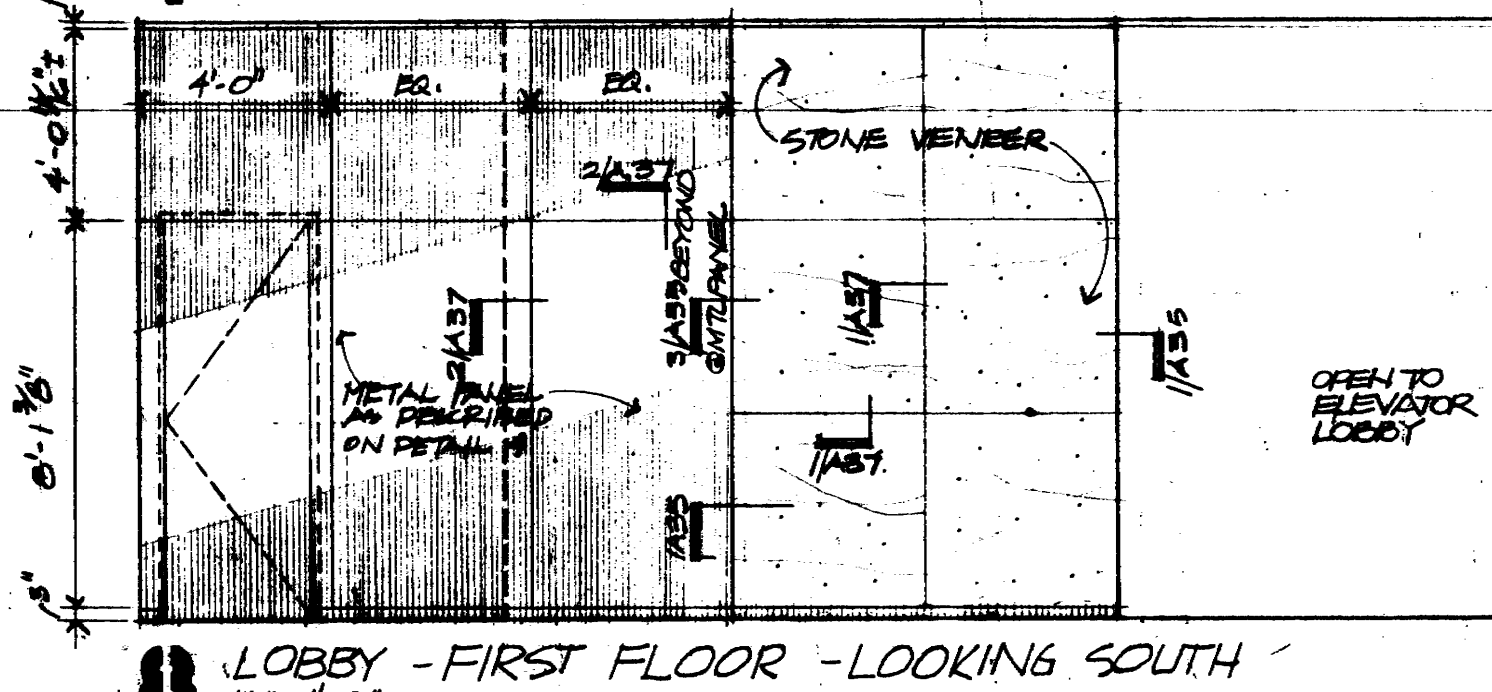
5 DISPLAY ALCOVE
1/4" = 1'-0"



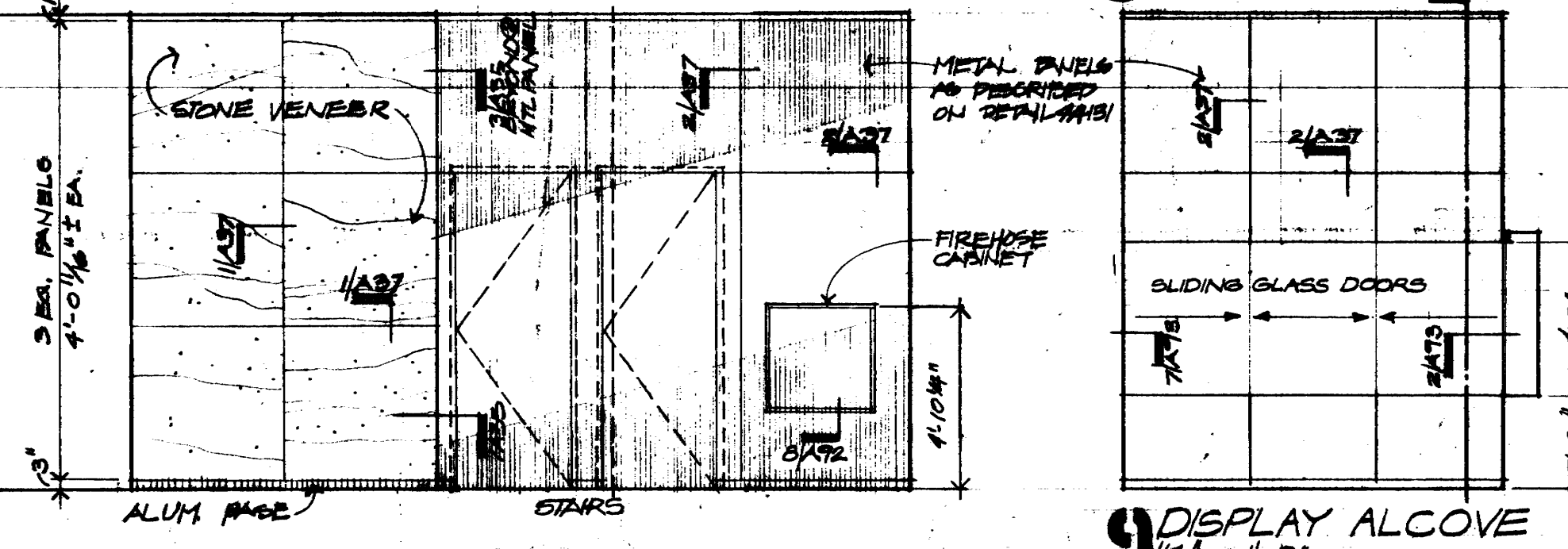
6 DISPLAY ALCOVE
1/4" = 1'-0"



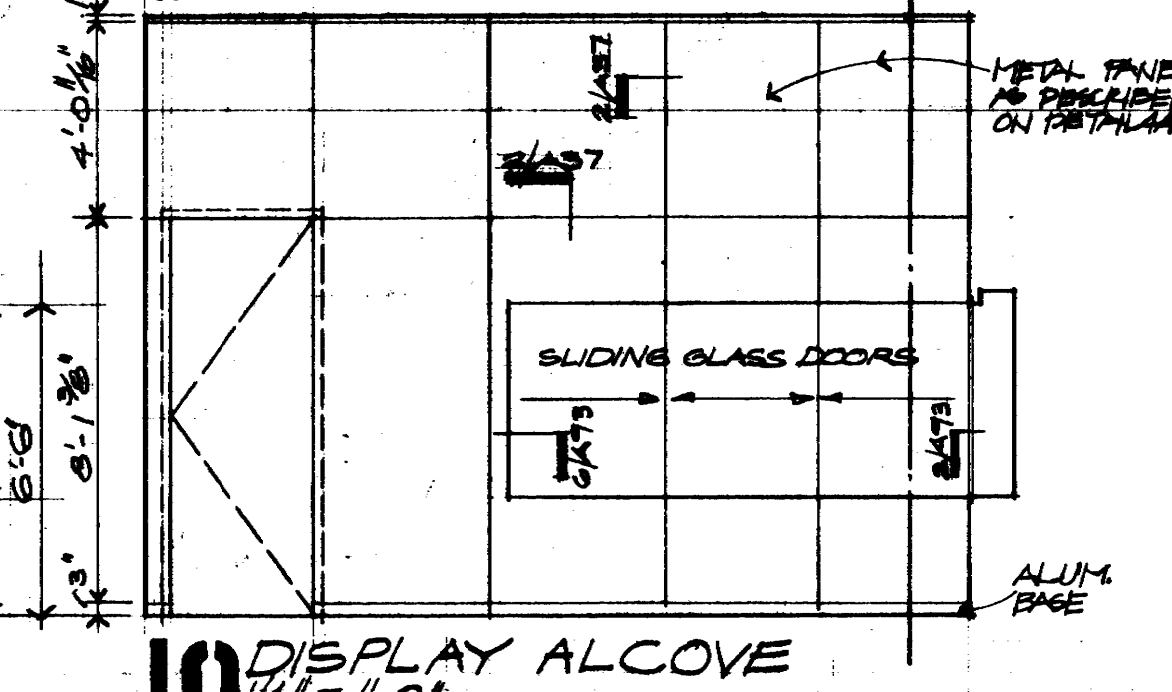
7 ELEVATOR LOBBY - FIRST FLOOR - LOOKING EAST
1/4" = 1'-0"



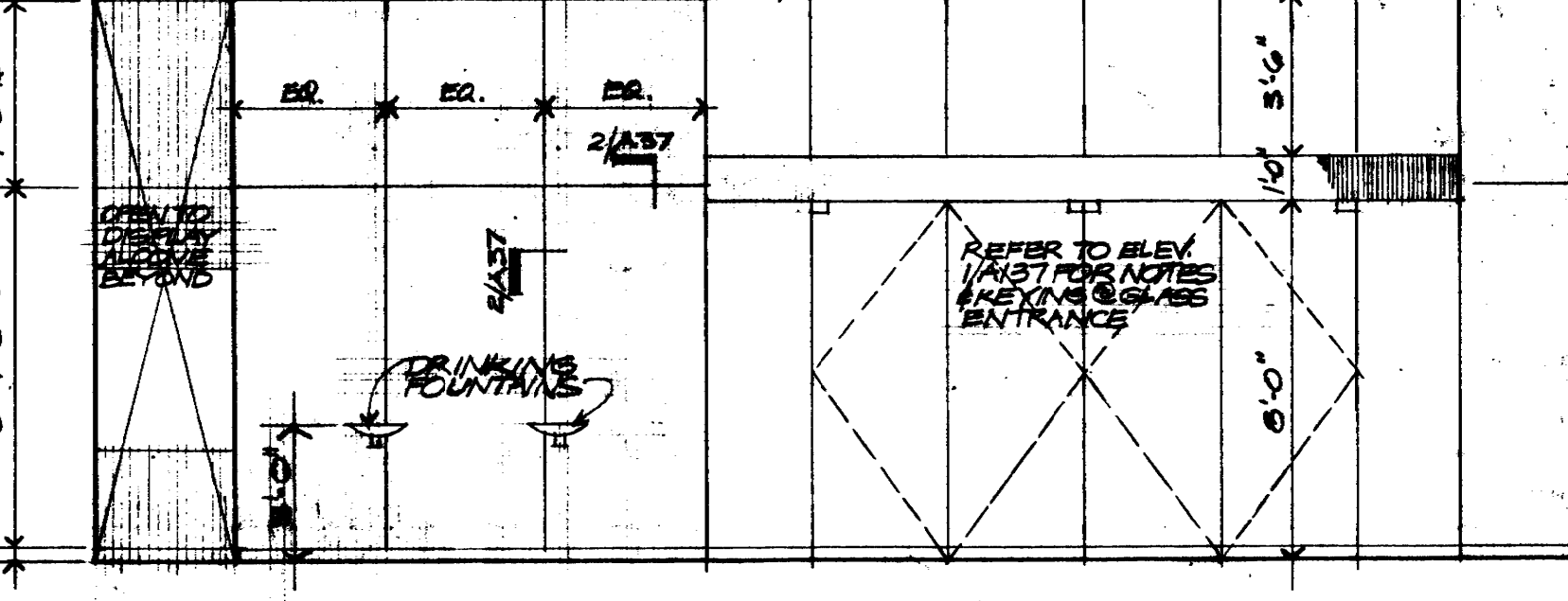
8 LOBBY - FIRST FLOOR - LOOKING SOUTH
1/4" = 1'-0"



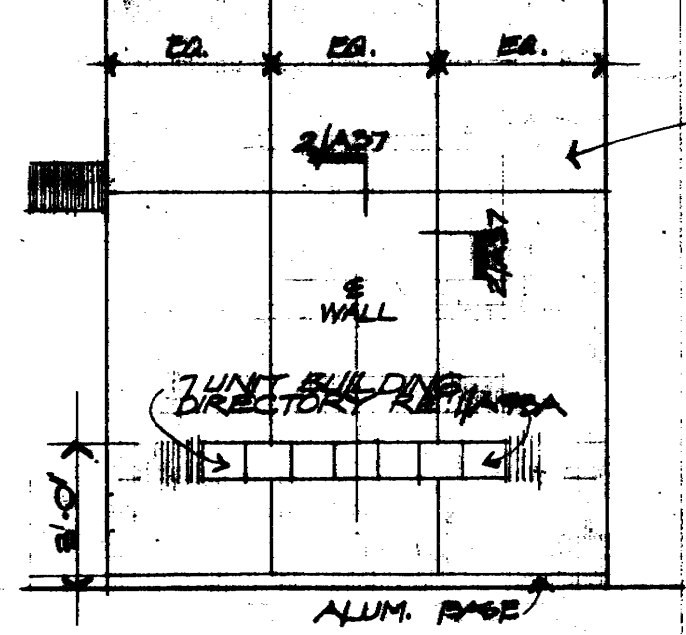
9 DISPLAY ALCOVE
1/4" = 1'-0"



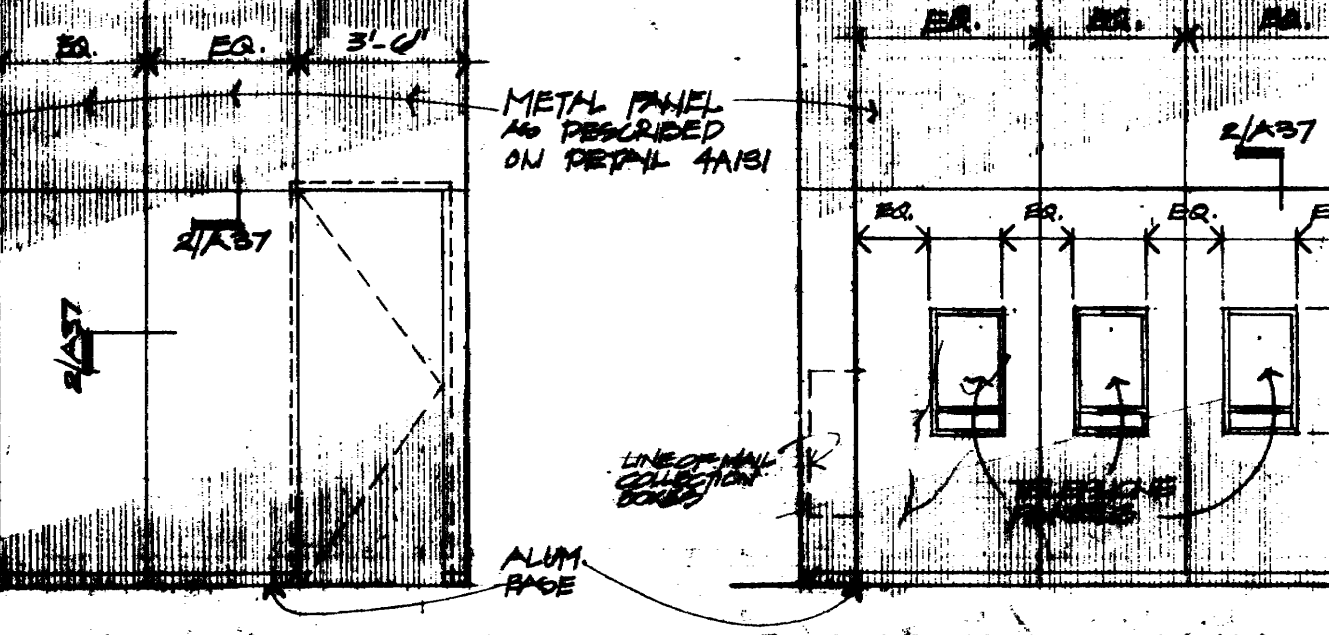
10 DISPLAY ALCOVE
1/4" = 1'-0"



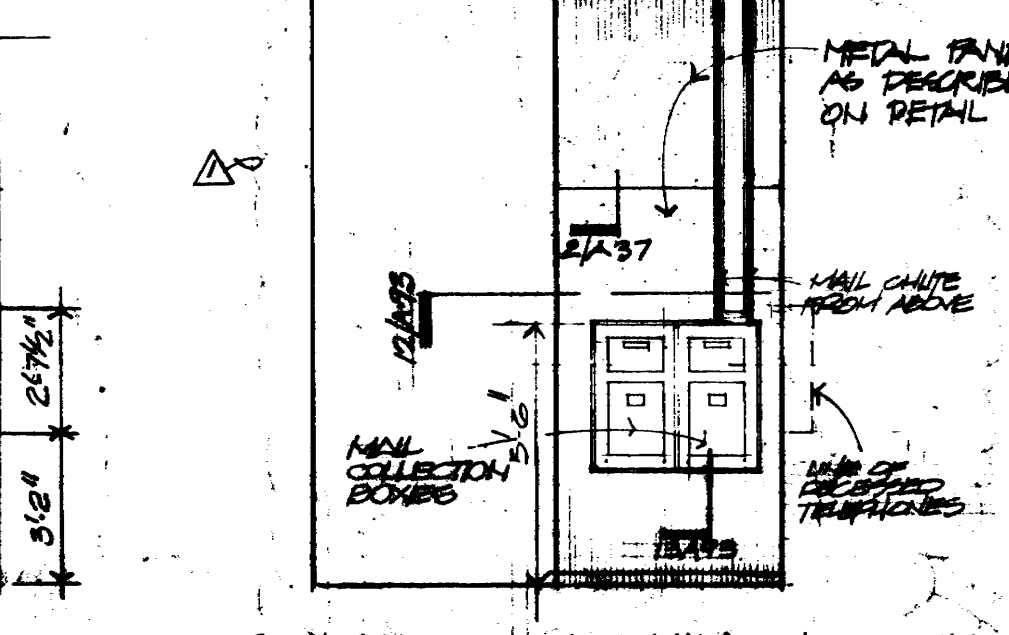
11 SOUTH LOBBY - FIRST FLOOR - LOOKING EAST
1/4" = 1'-0"



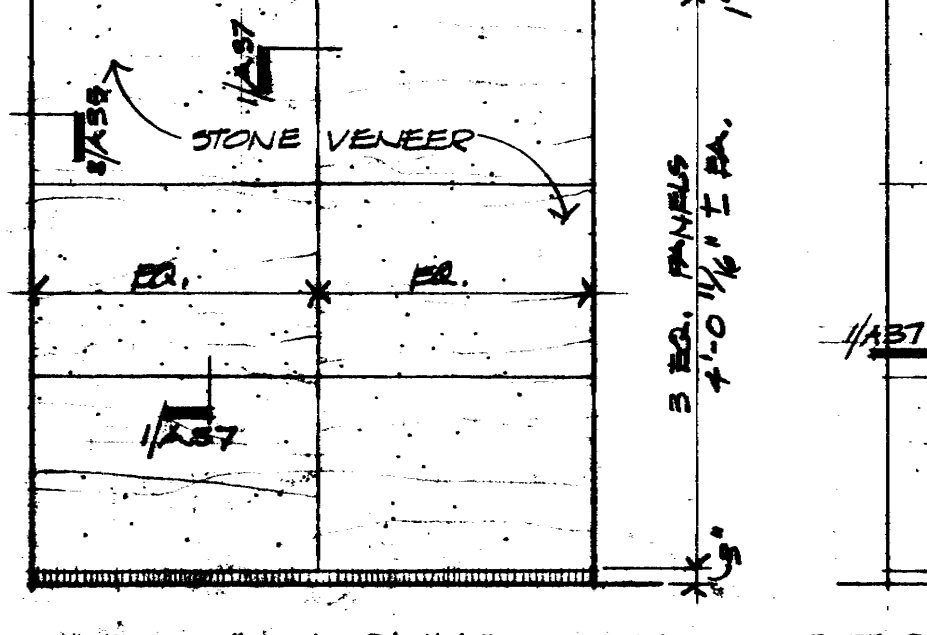
12 PARTIAL ELEV. @ BLDG DIRECTORY
1/4" = 1'-0"



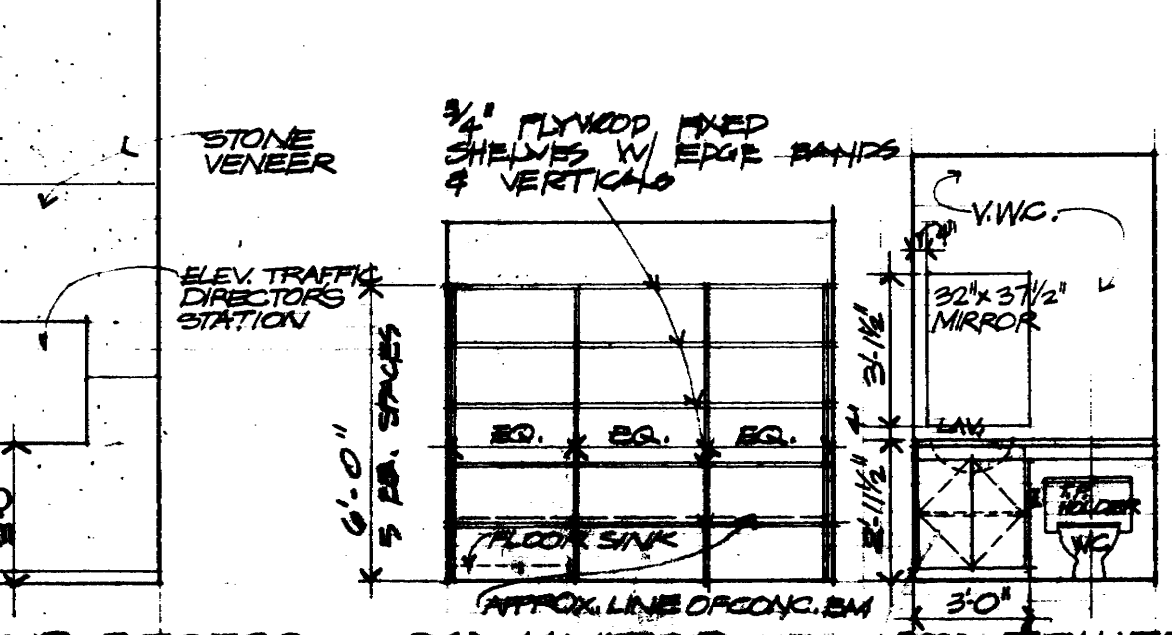
13 ALCOVE - LOOKING NORTH
1/4" = 1'-0"



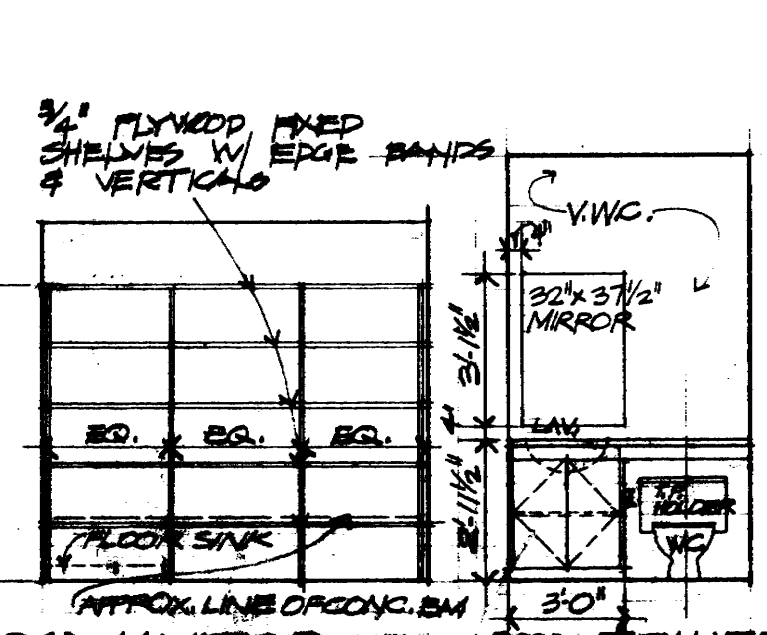
14 ALCOVE - LOOKING WEST
1/4" = 1'-0"



15 ALCOVE - LOOKING SOUTH
1/4" = 1'-0"



16 ALCOVE - LOOKING EAST
1/4" = 1'-0"



17 STAIR RECESS
1/4" = 1'-0"

18 JANITOR
1/4" = 1'-0"

19 TOILET
1/4" = 1'-0"

KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY
ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

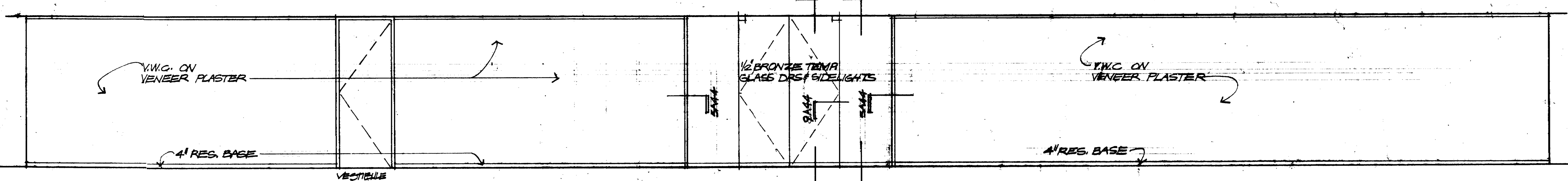
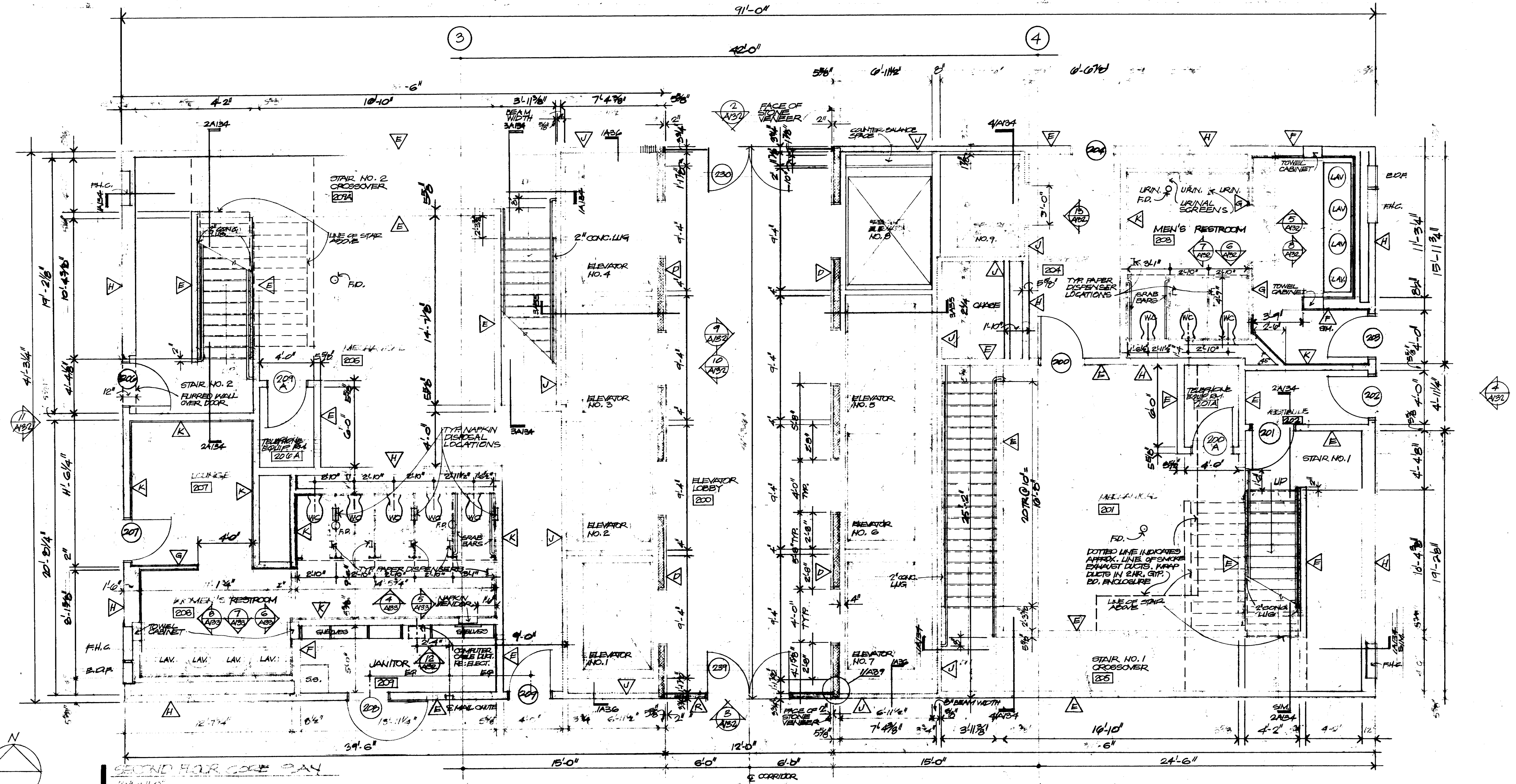
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DRAWN BY FT
CHECKED BY
PROJECT NO. 2817
DATE 7.28.75

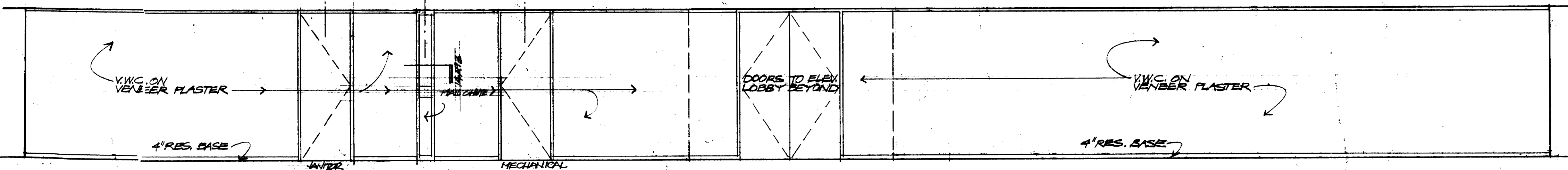
CORE PLANS & ELEVATIONS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

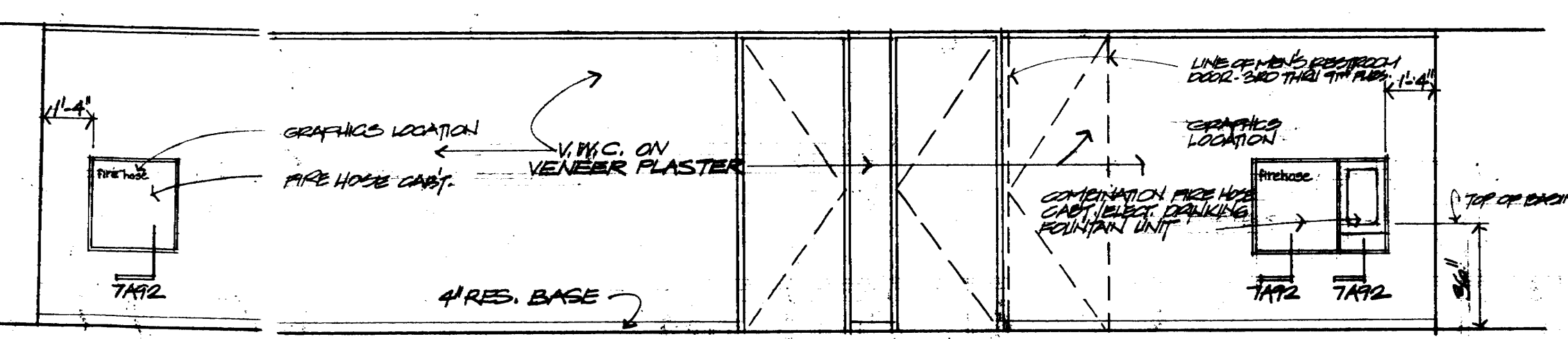




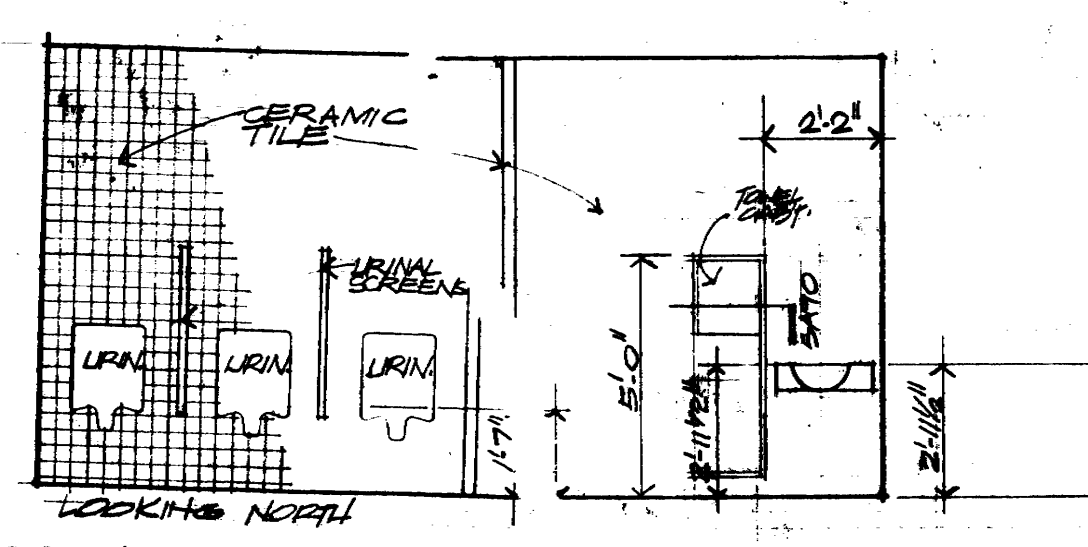
2 NORTH CORRIDOR - 2ND FLOOR - LOOKING SOUTH
1/4\"/>



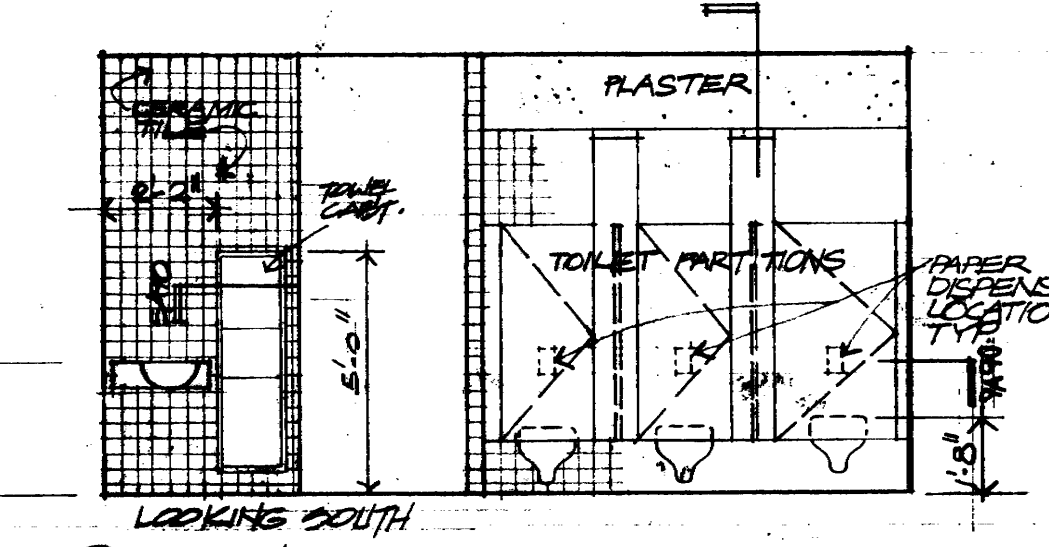
3 SOUTH CORRIDOR - 2ND FLOOR - LOOKING NORTH



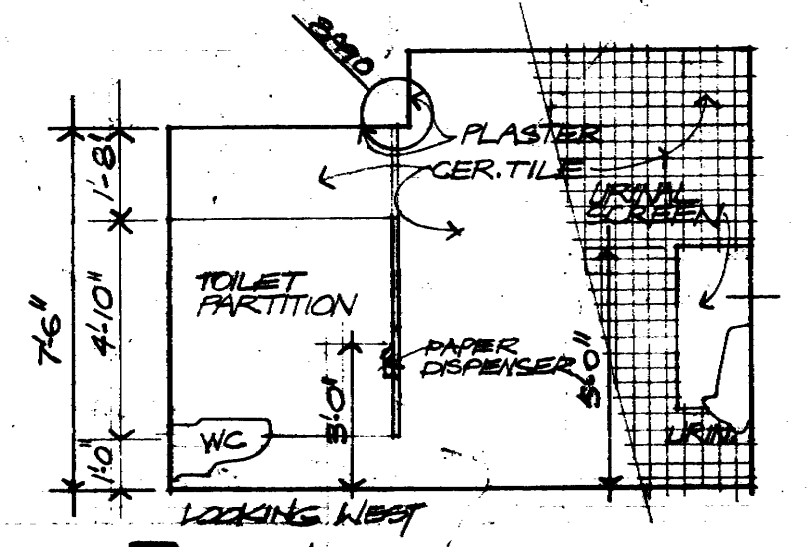
4 EAST CORR IDOR. 2ND FLOOR - LOOKING WEST



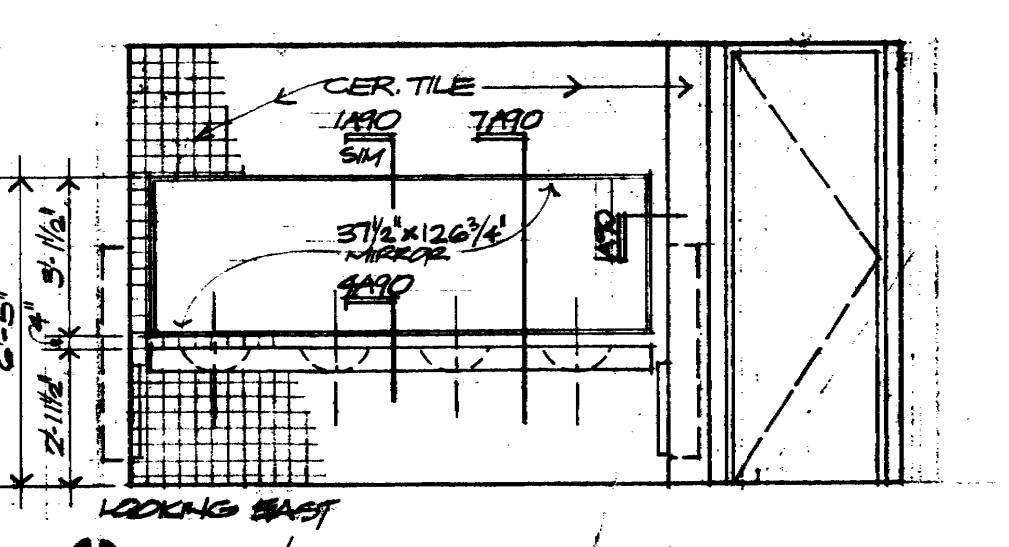
5 MEN'S RESTROOM - 2ND FLOOR
1/4\"/>



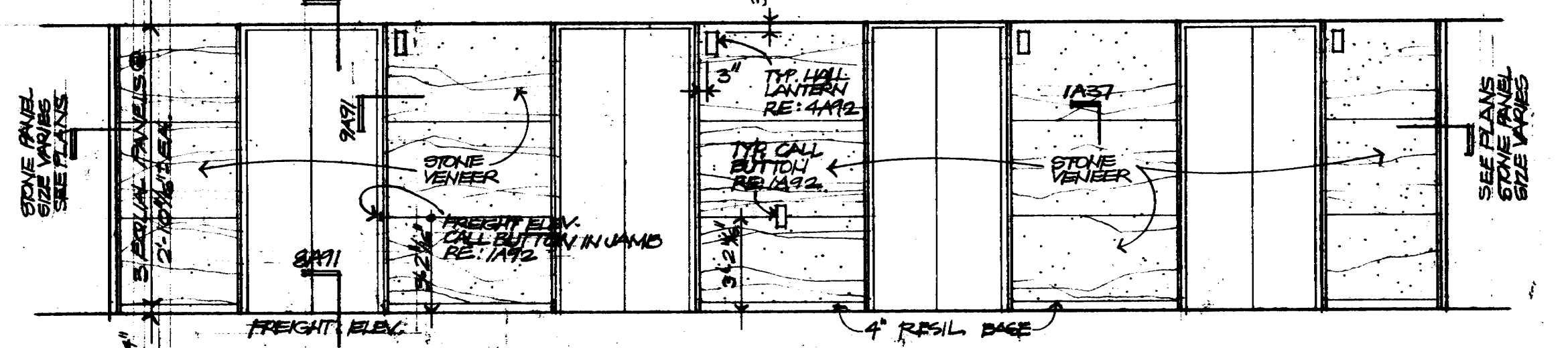
6 MEN'S RESTROOM - 2ND FLOOR
1/4\"/>



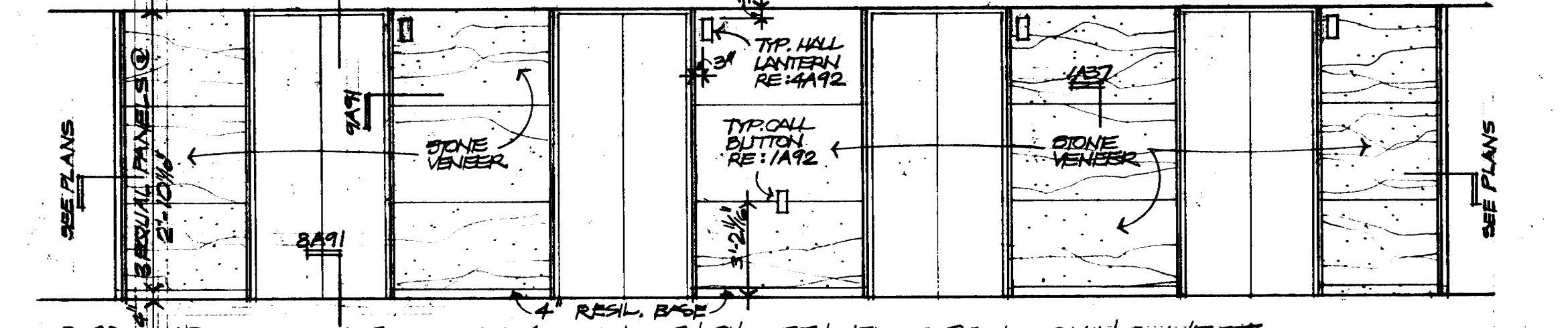
7 MEN'S R.R. - 2ND FLOOR
1/4\"/>



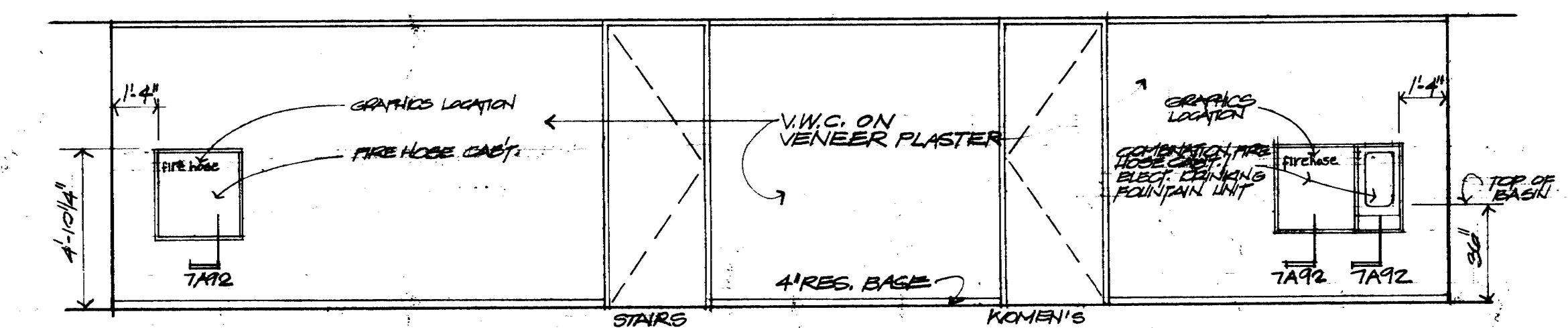
8 MEN'S RESTROOM - 2ND FLOOR
1/4\"/>



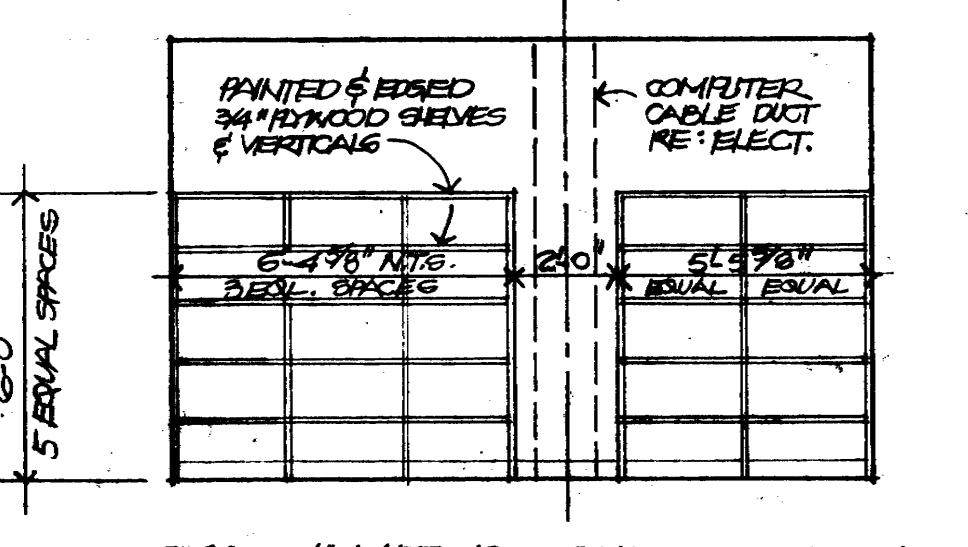
9 TYPICAL ELEVATOR LOBBY 2ND THRU 9TH FLOORS - LOOKING EAST
1/4\"/>



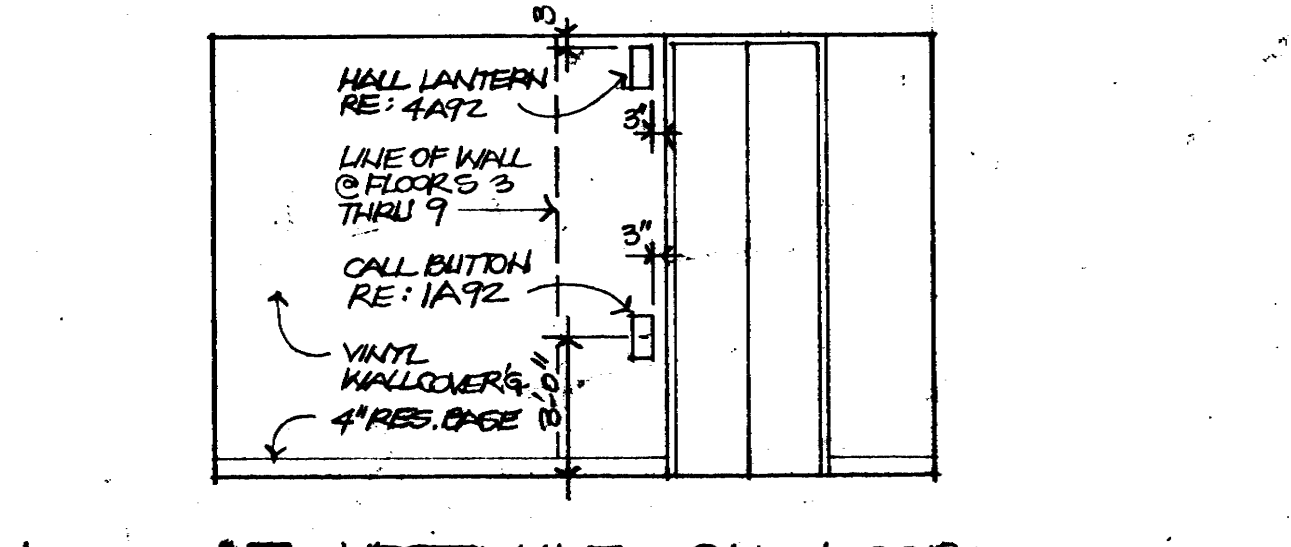
10 TYPICAL ELEVATOR LOBBY - 2ND THRU 9TH FLOORS LOOKING WEST



11 WEST CORRIDOR - 2ND THRU 9TH FLOORS - LOOKING EAST



12 JANITOR - 2ND FLOOR - LOOKING NORTH
1/4\"/>



13 VESTIBULE @ 2ND FLOOR
LOOKING WEST

KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
200 SOUTHWEST TOWER

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
2727 WESLAVAN

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY
ADMINISTRATION BUILDING
HOUSTON TEXAS

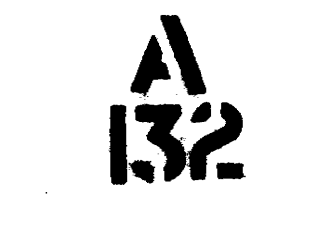
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DRAWN BY R.L.
CHECKED BY
PROJECT NO. 3202
DATE 7-28-75

CORE
PLANS &
ELEVATIONS

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
200 SOUTHWEST TOWER

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77007
2727 WESLAVAN

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

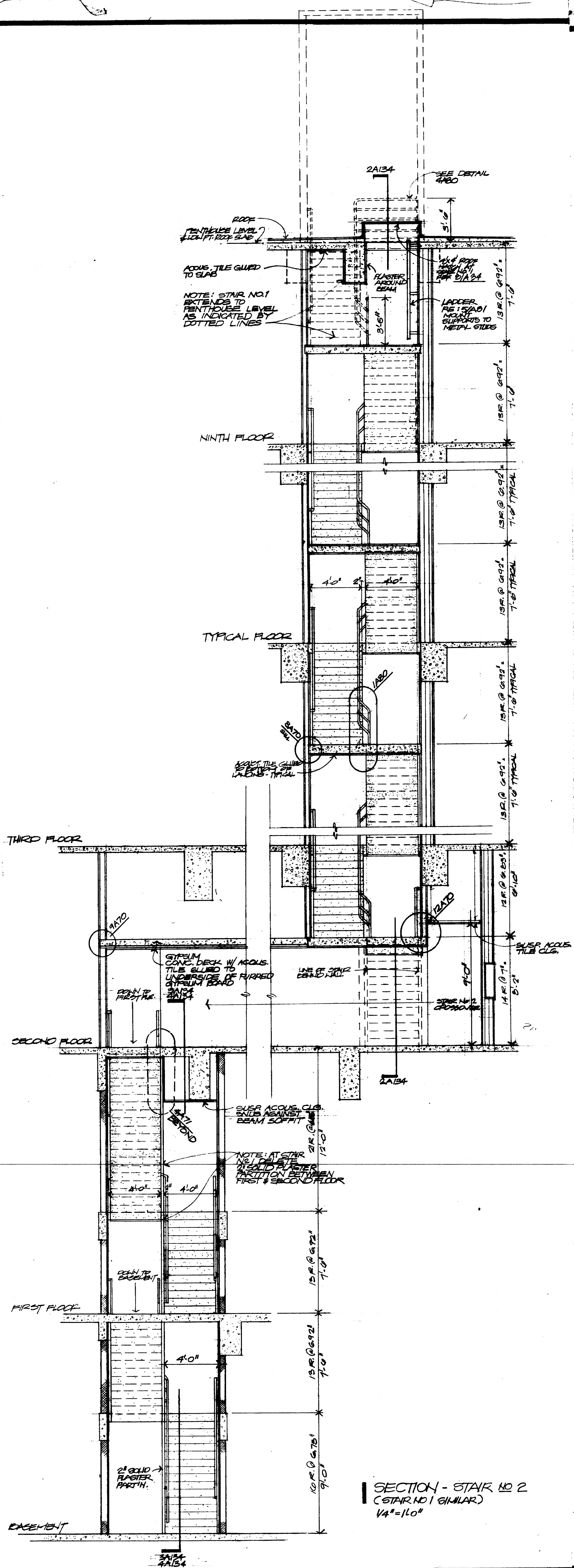
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PROJECT NO. 3506
DATE 7-28-75

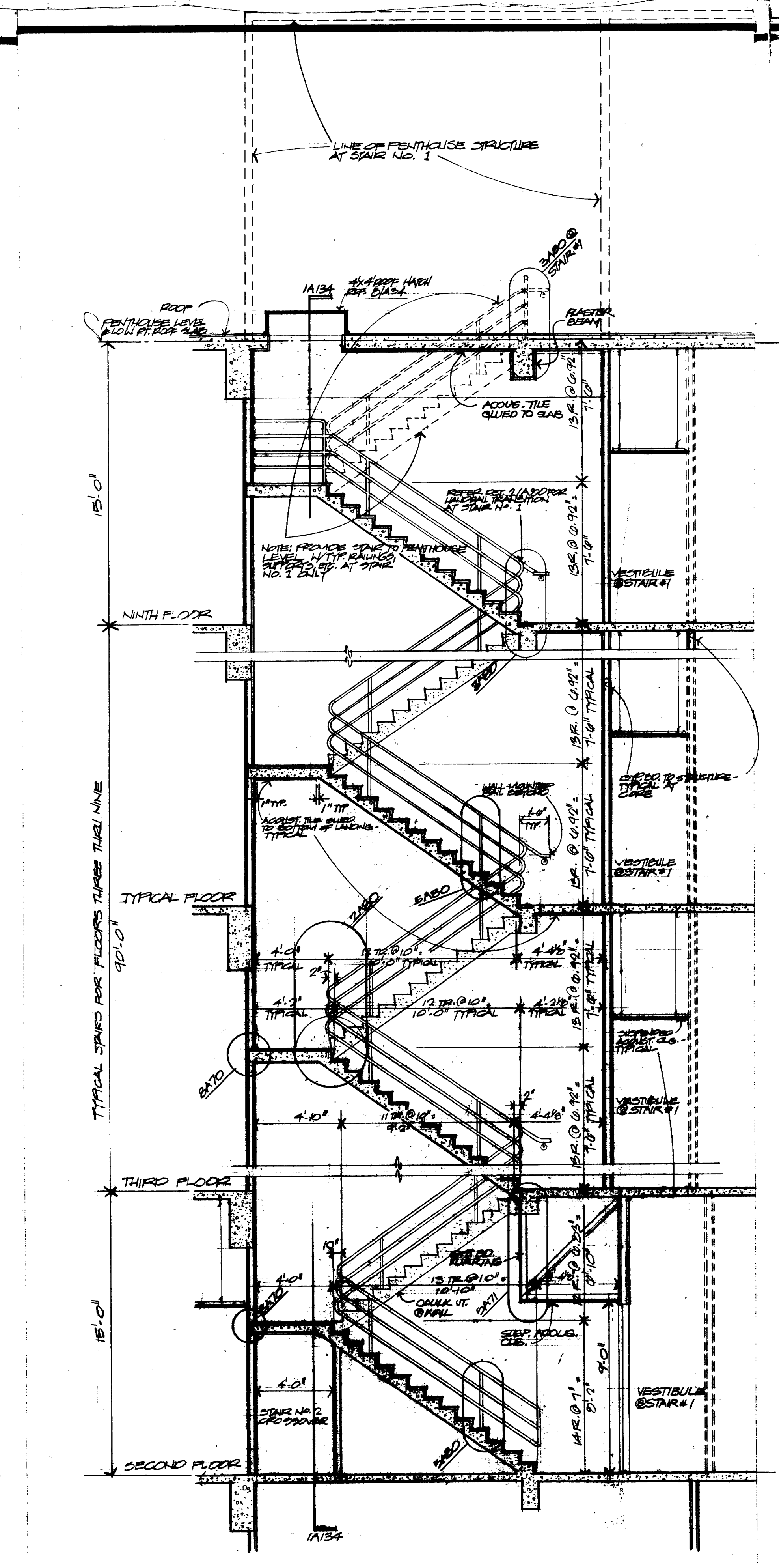
STAIR SECTIONS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

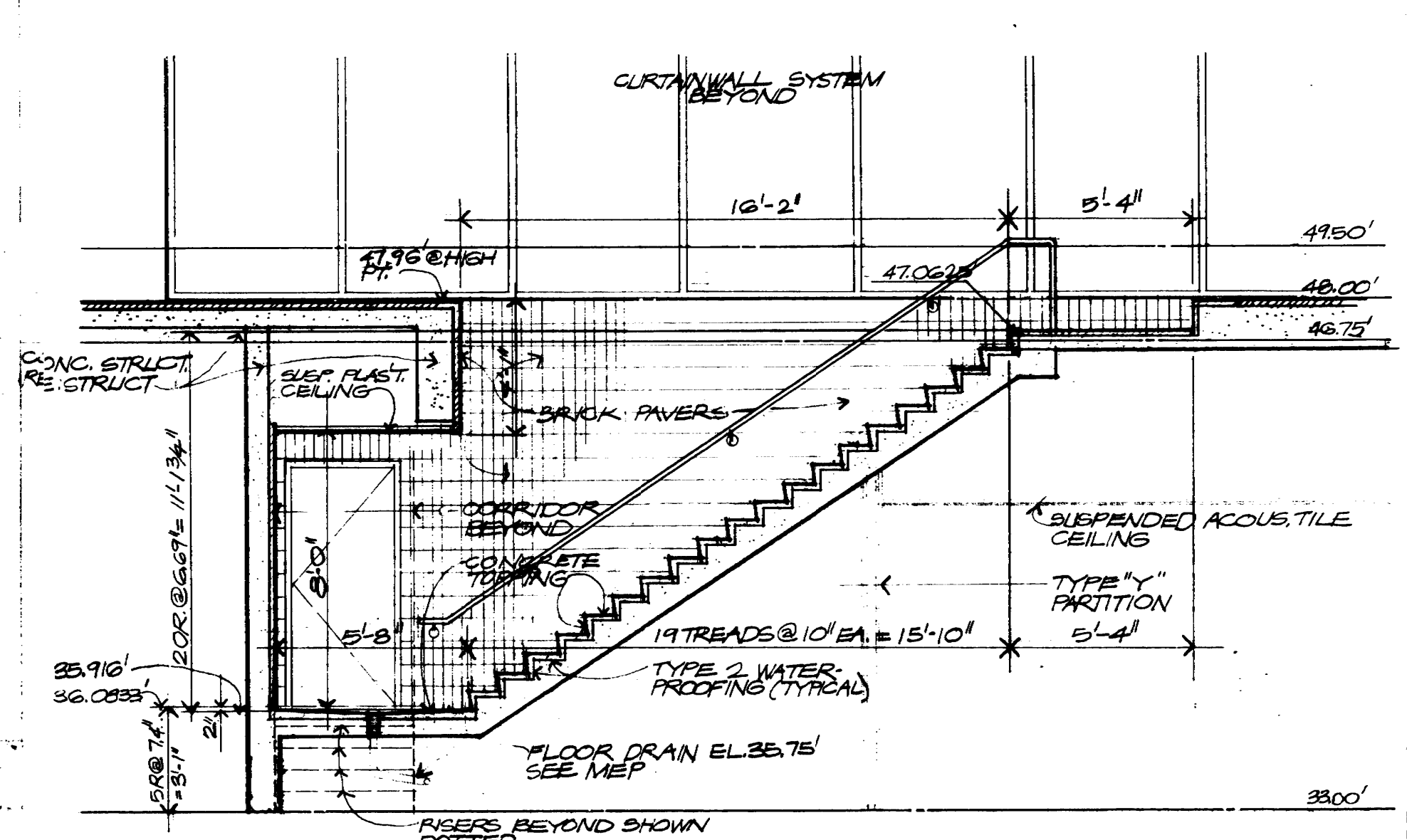
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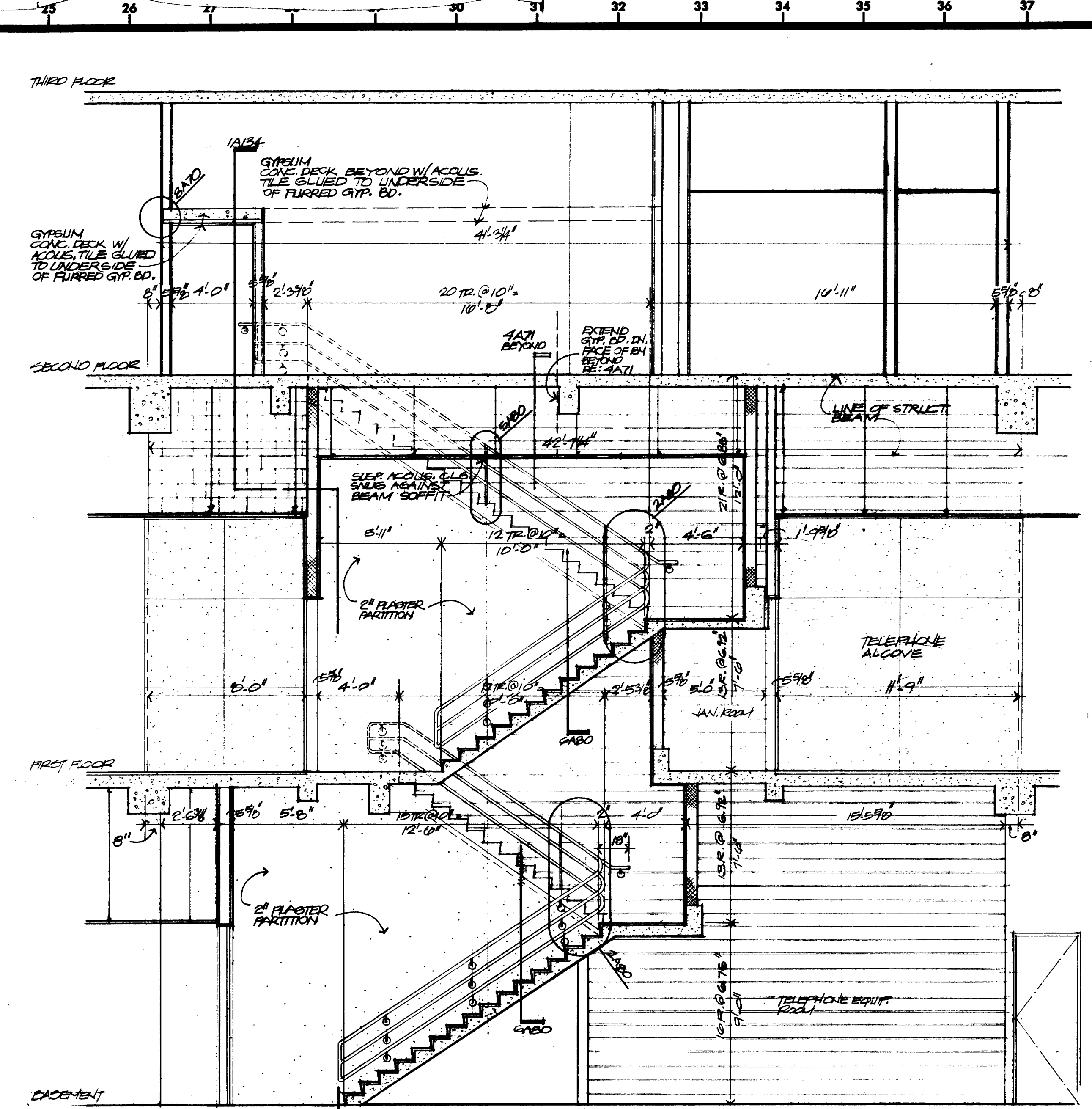
SECTION - STAIR NO 2
(STAIR NO 1 SIMILAR)
14'-0"



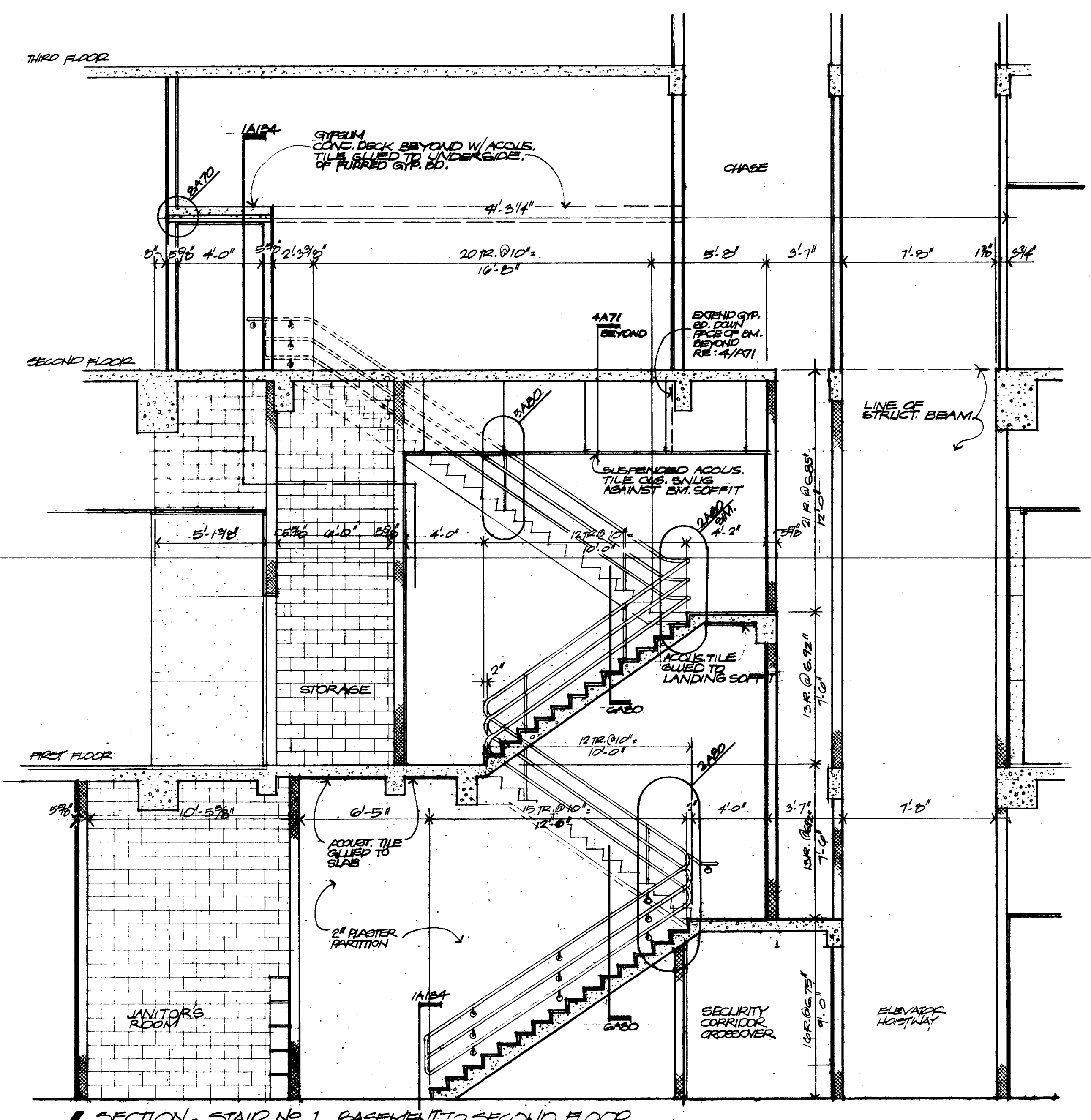
SECTION - STAIR NO 2, SECOND FLOOR TO ROOF
(STAIR NO 1 SIMILAR)
14'-0"



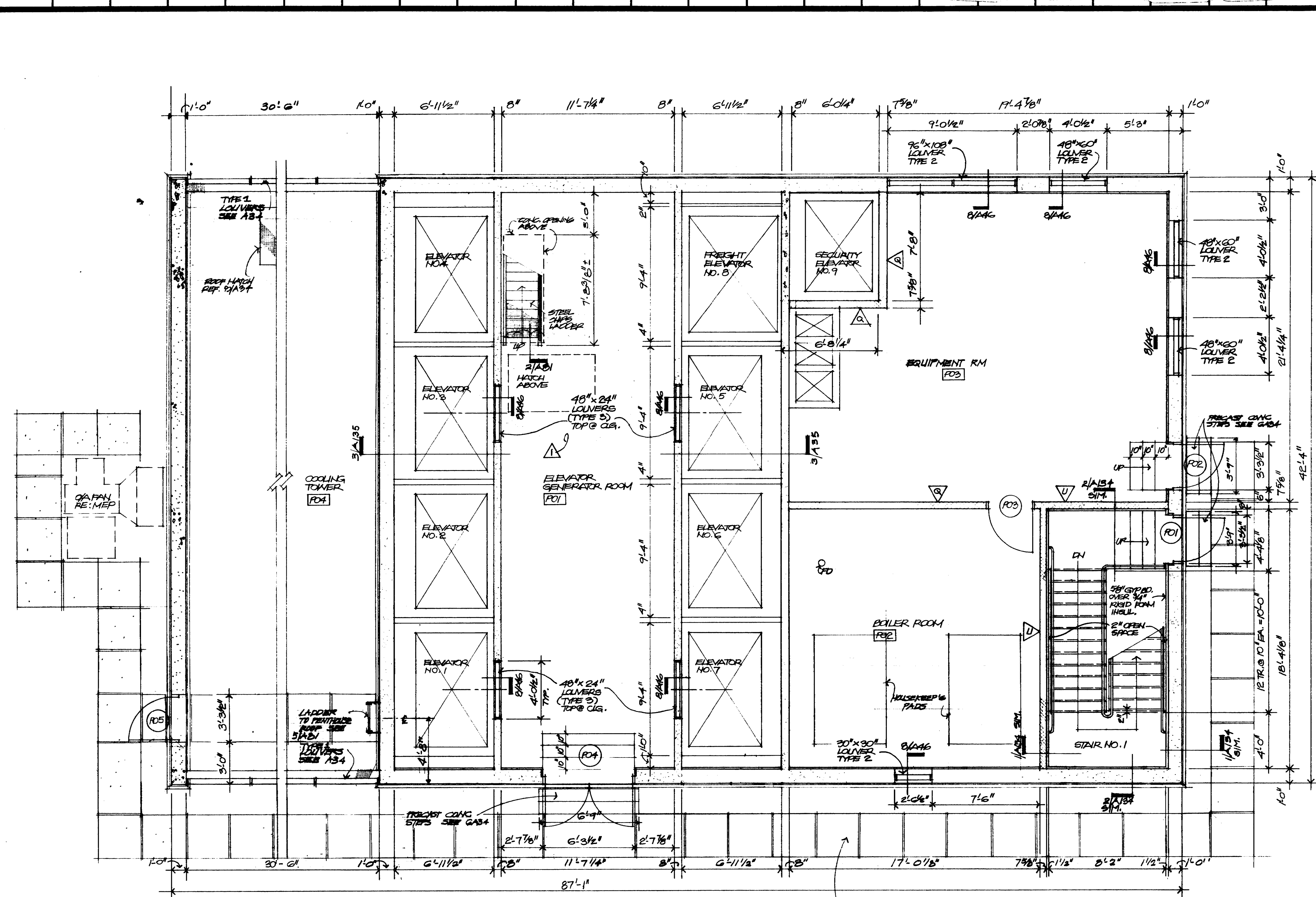
SECTION - STAIR NO 3, BASEMENT TO PLAZA
14'-0"



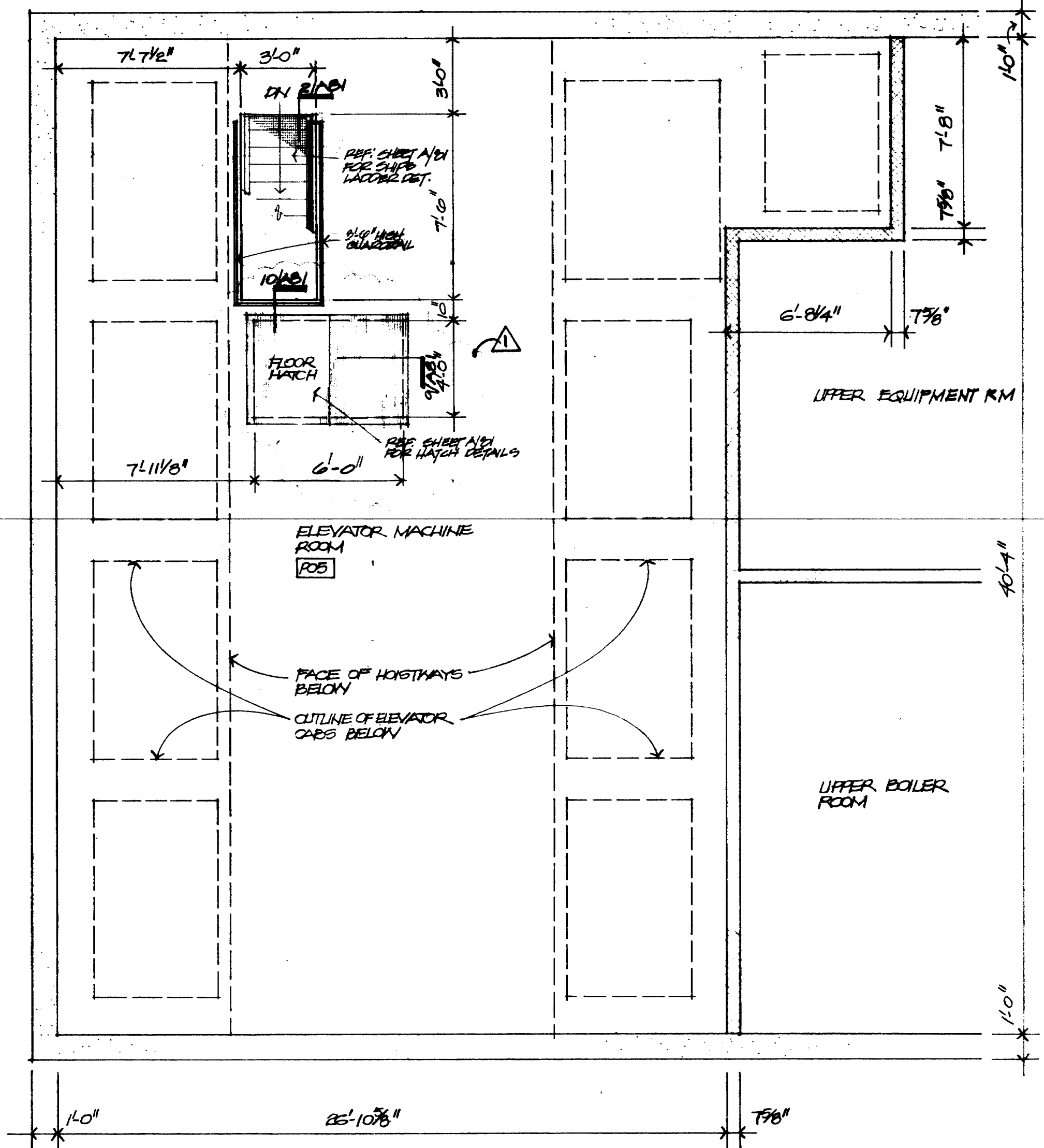
SECTION - STAIR NO 2, BASEMENT TO SECOND FLOOR
14'-0"



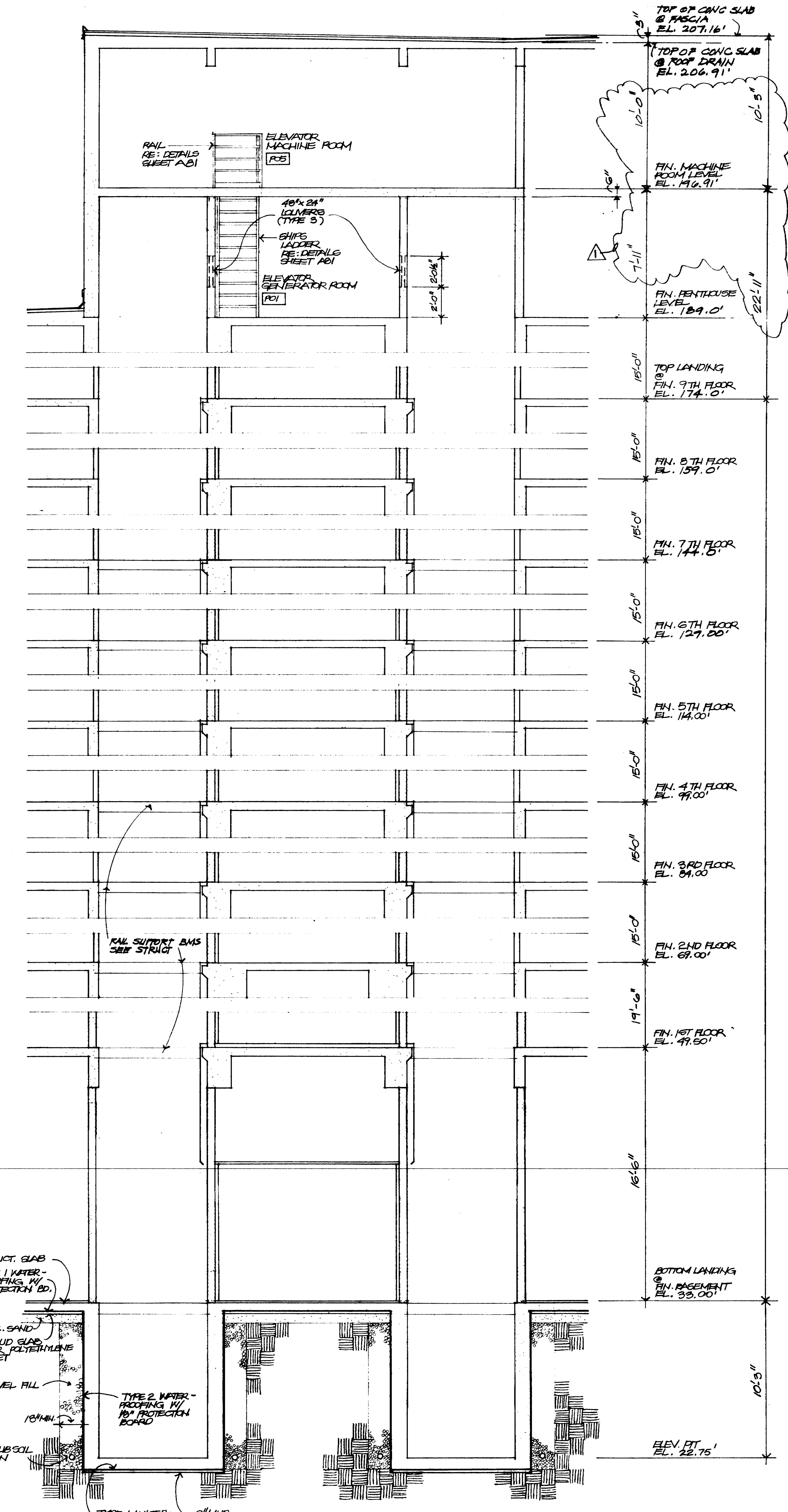
SECTION - STAIR NO 1, BASEMENT TO SECOND FLOOR
14'-0"



1 PENTHOUSE LEVEL CORE PLAN
1/4" = 1'-0"



2 ELEVATOR MACHINE LEVEL PLAN
1/4" = 1'-0"



3 ELEVATOR HOISTWAY SECTION
1/4" = 1'-0"



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

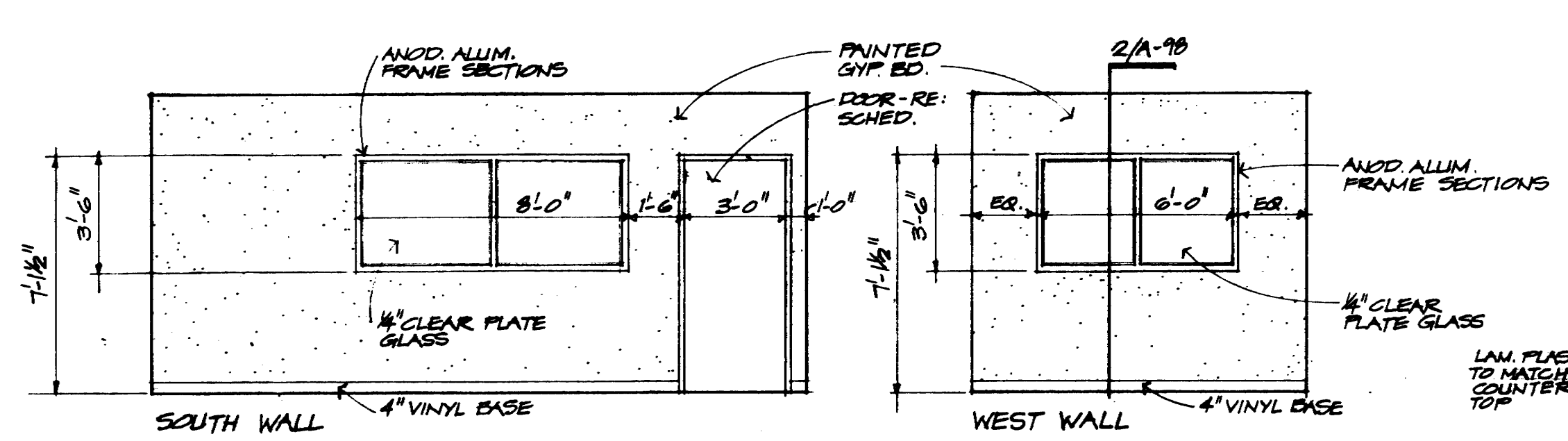
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DRAWN BY: RAL
CHECKED BY:
PROJECT NO. 2809
DATE 7-23-75

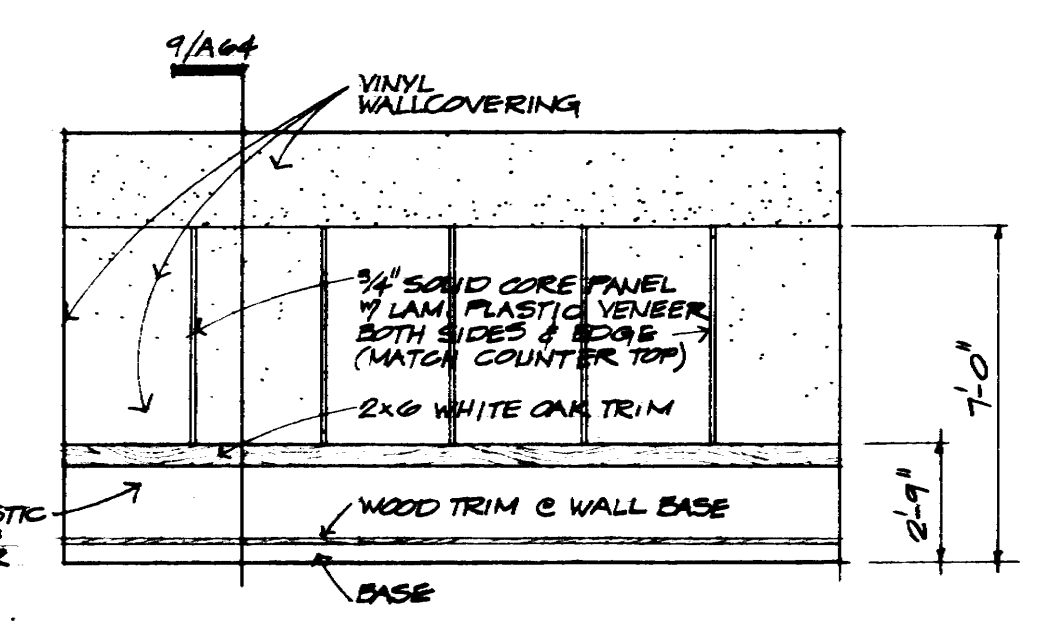
CORE PLANS & ELEVATOR HOISTWAY SECTION

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

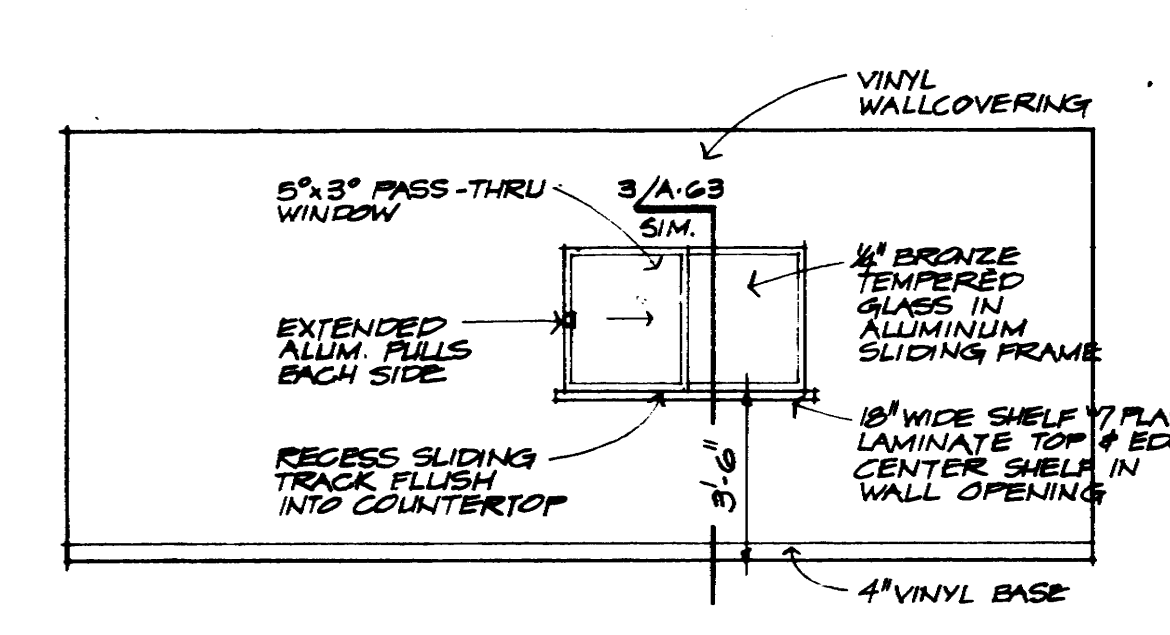




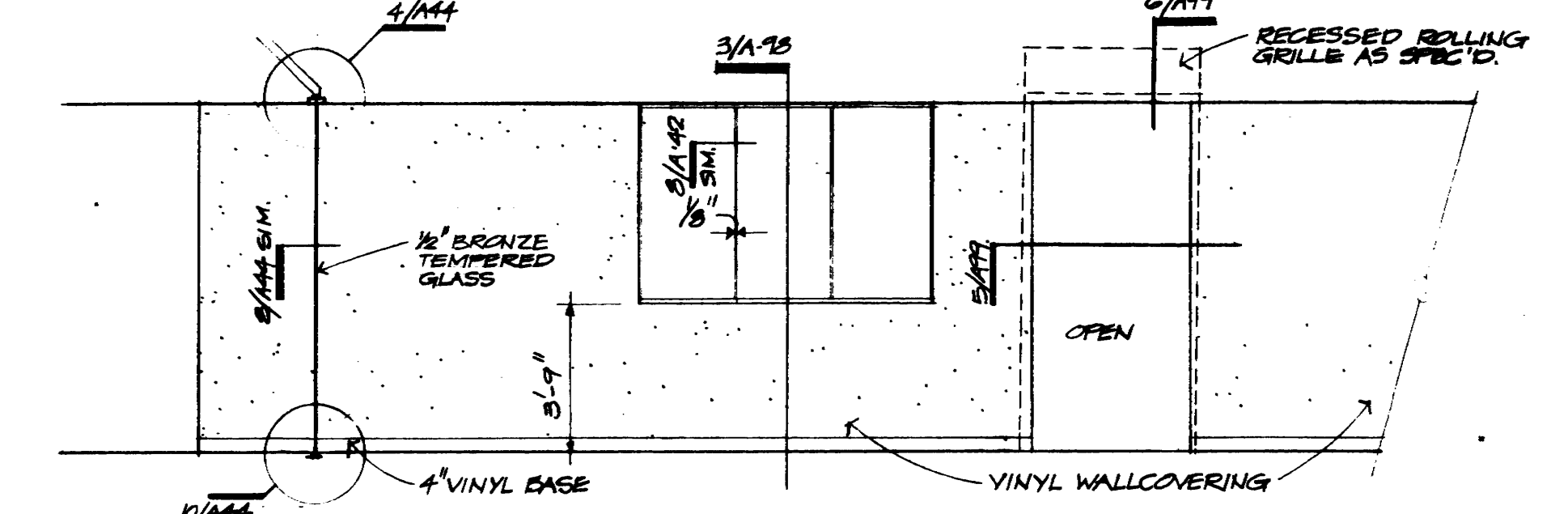
1 INTERIOR ELEVATIONS @ BUILDING ENGINEER #B12
1/4" = 1'-0"



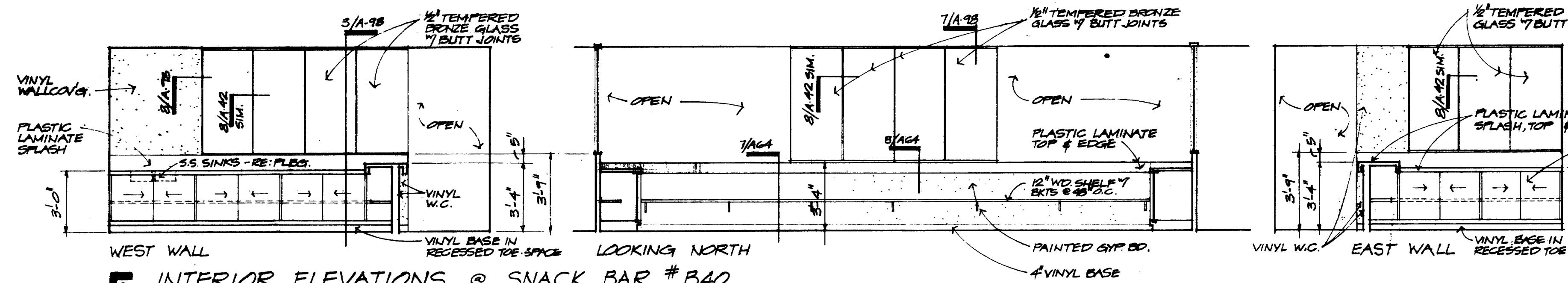
2 INTERIOR ELEVATION
1/4" = 1'-0" PRESS RM # B19



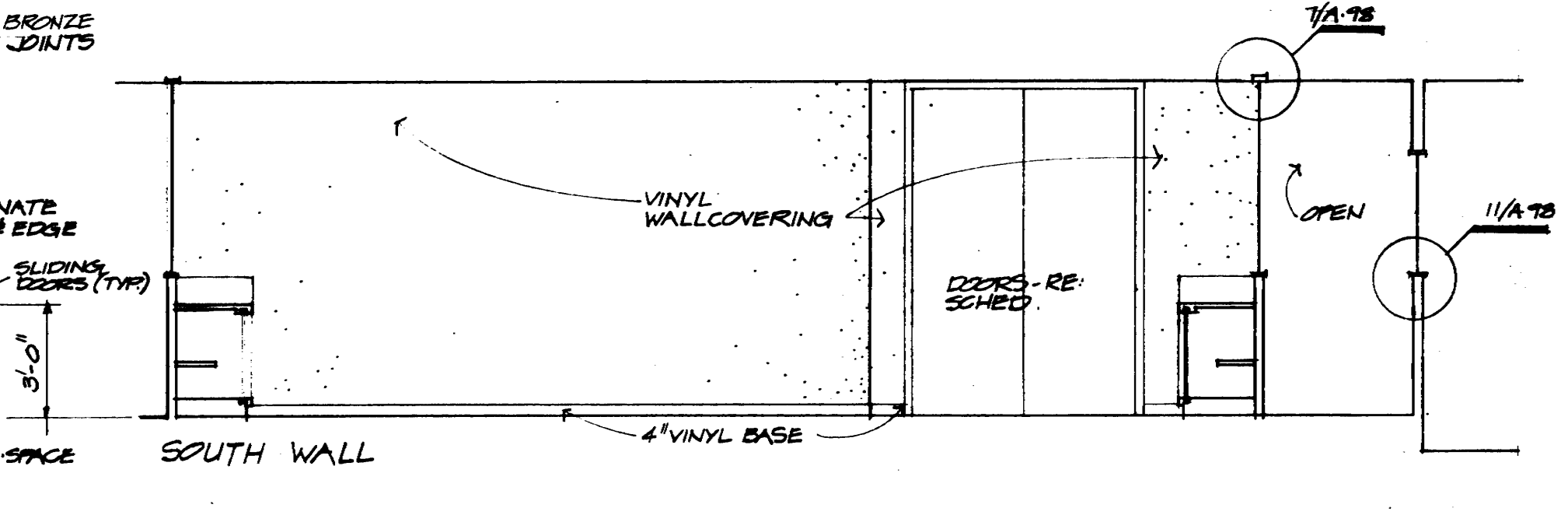
3 INTERIOR ELEVATION
1/4" = 1'-0" BLUEPRINT RM # B21



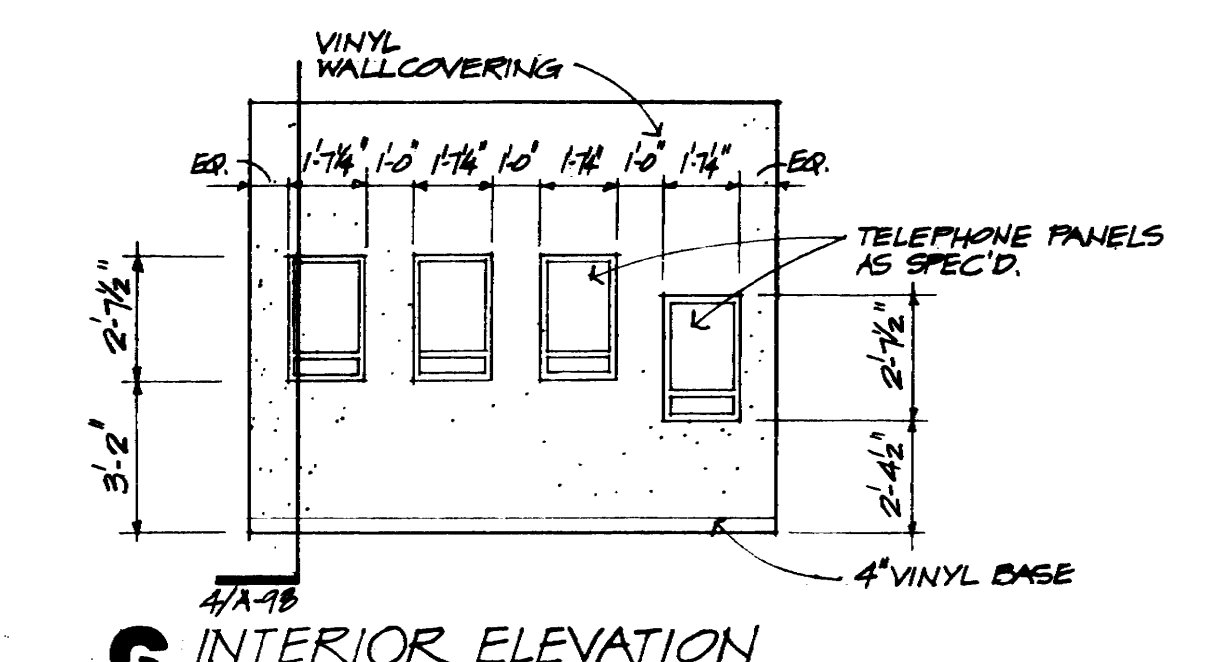
4 PARTIAL INTERIOR ELEVATION
1/4" = 1'-0" MULTI-PURPOSE RM #B37-LOOKING WEST



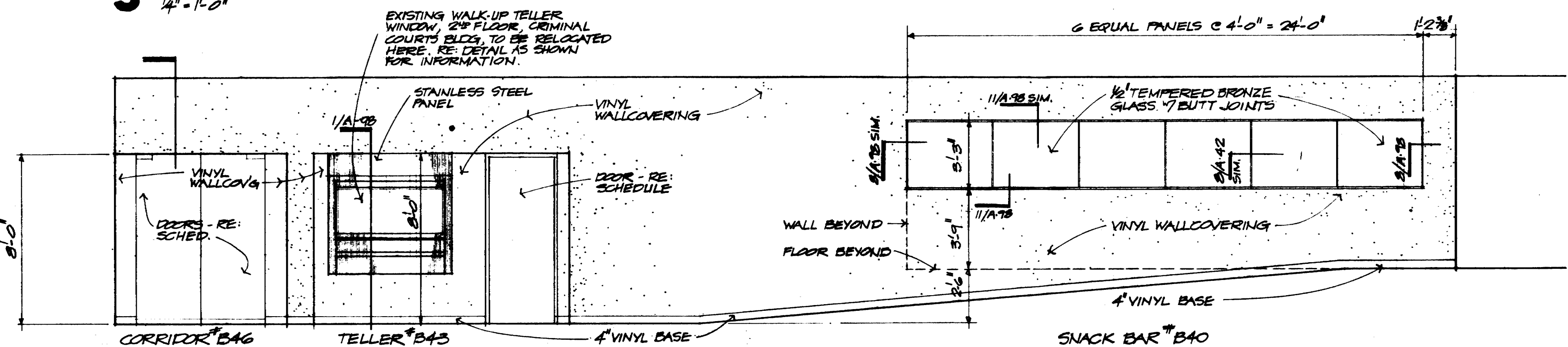
5 INTERIOR ELEVATIONS @ SNACK BAR #B40
1/4" = 1'-0"



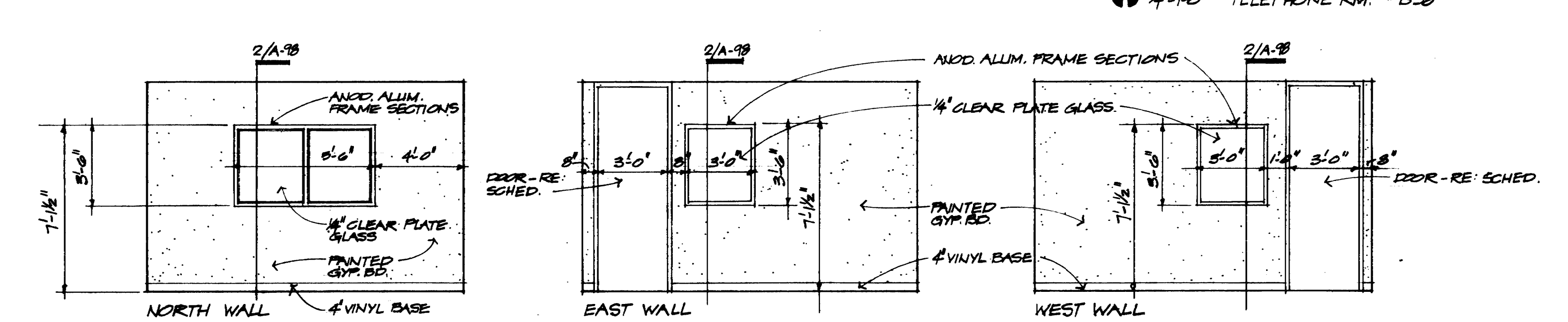
6 INTERIOR ELEVATIONS @ SHIPPING/RECEIVING OFFICE #B50
1/4" = 1'-0"



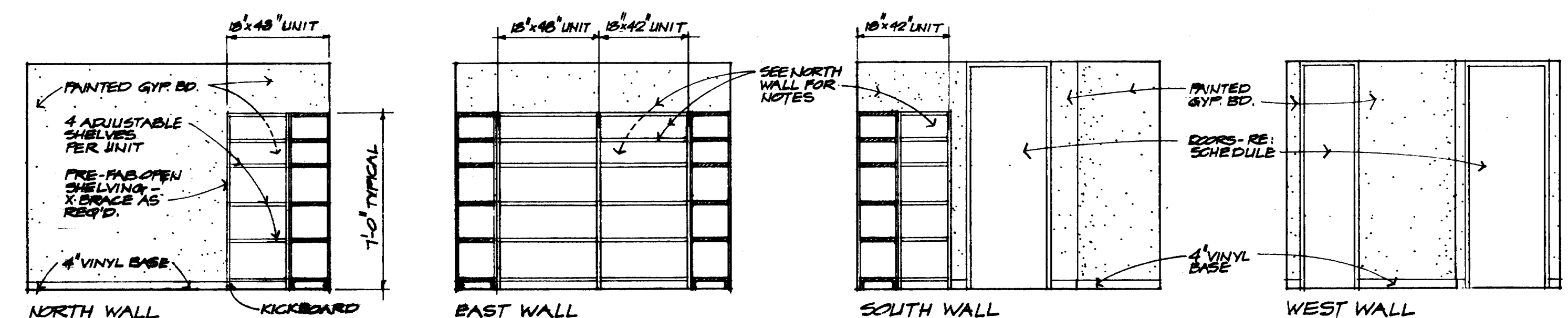
6 INTERIOR ELEVATION
1/4" = 1'-0" TELEPHONE RM # B38



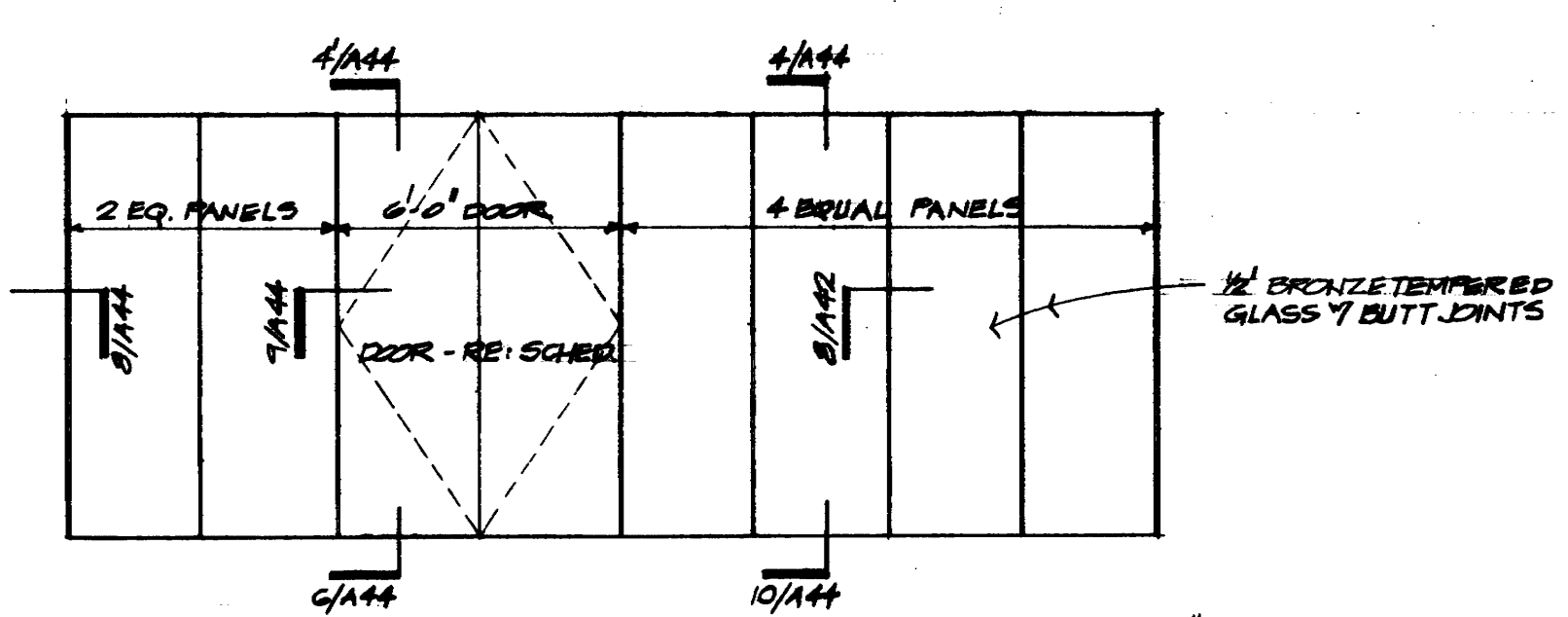
7 INTERIOR ELEVATION
1/4" = 1'-0" CORRIDOR #B45 LOOKING EAST



9 INTERIOR ELEVATION @ CORRIDOR #B27
1/4" = 1'-0" LOOKING NORTH TO SNACK BAR #B40



10 INTERIOR ELEVATIONS @ STORAGE RM. # B39
1/4" = 1'-0"



11 INTERIOR ELEVATION @ CORRIDOR #B27
1/4" = 1'-0" LOOKING NORTH TO MULTI-PURPOSE RM # B37

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WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
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HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

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PROJECT NO. 5926
DATE 7-28-75

INTERIOR ELEVATIONS
B BASEMENT

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



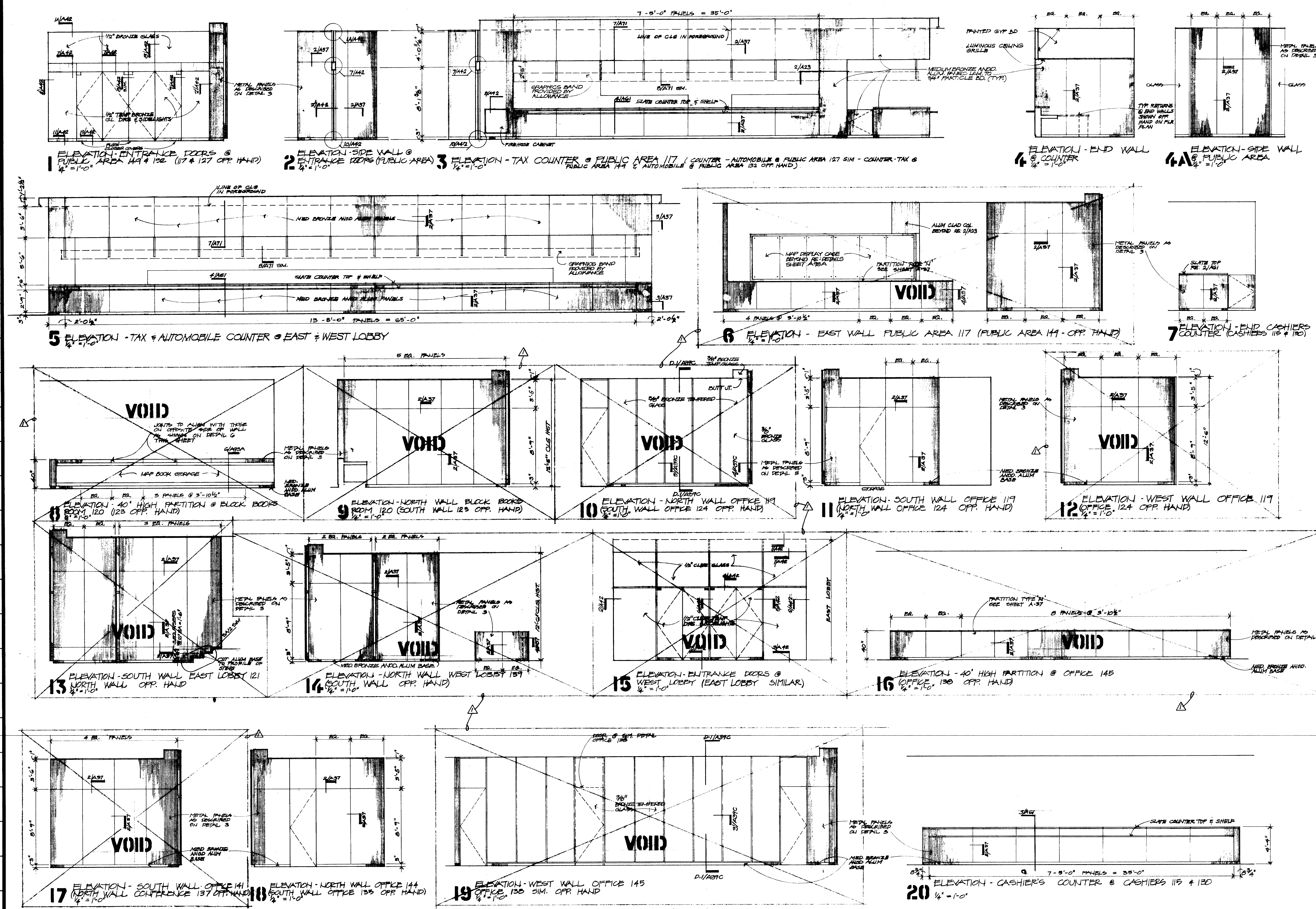
KENNETH BENTSEN ASSOCIATES
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HOUSTON, TEXAS 77027
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REVISIONS	
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GROUND FLOOR INTERIOR ELEVATIONS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





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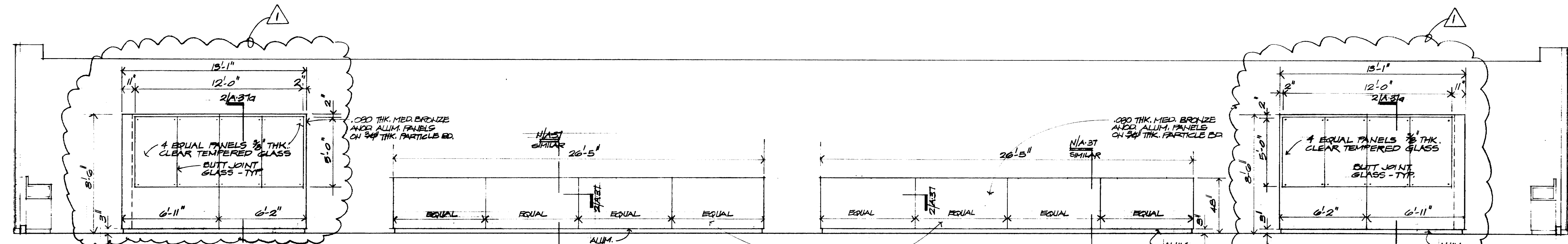
REVISIONS	
1	12/5/77 REF. MAP CASE
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PROJECT NO. _____
DATE 3/25/77

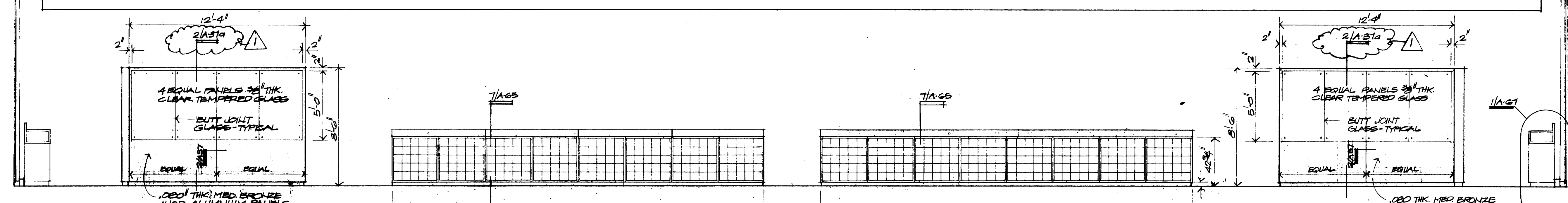
GROUND FLOOR INTERIOR ELEVATIONS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

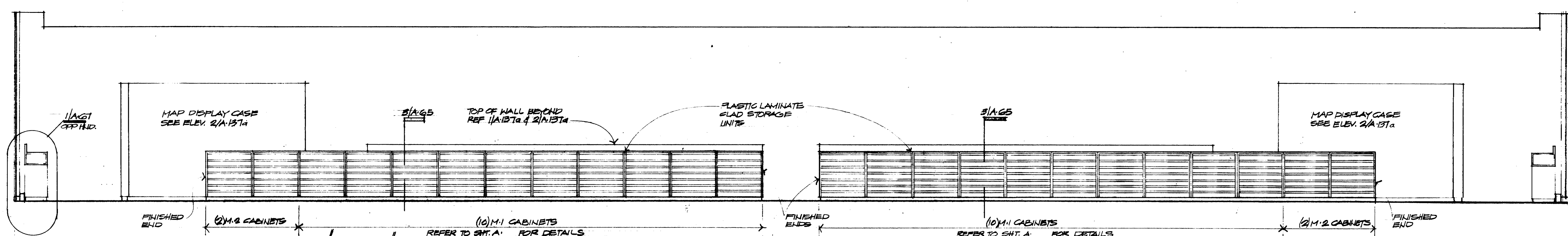
A 137-A



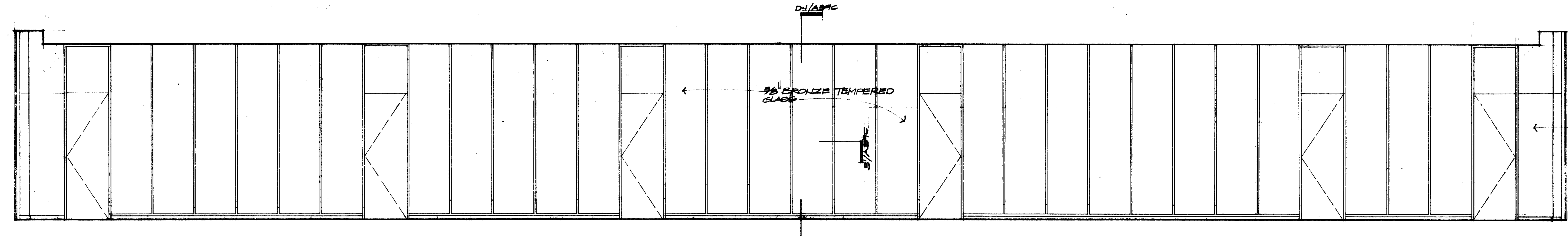
1 ELEVATION - LOOKING EAST FROM PUBLIC SPACE 117
1/4" = 1'-0"



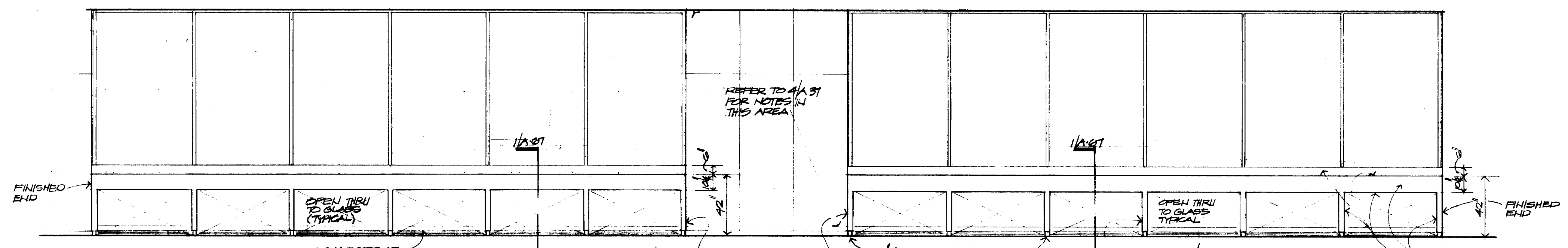
2 ELEVATION - LOOKING WEST IN BOOKS 119 & 120
1/4" = 1'-0"



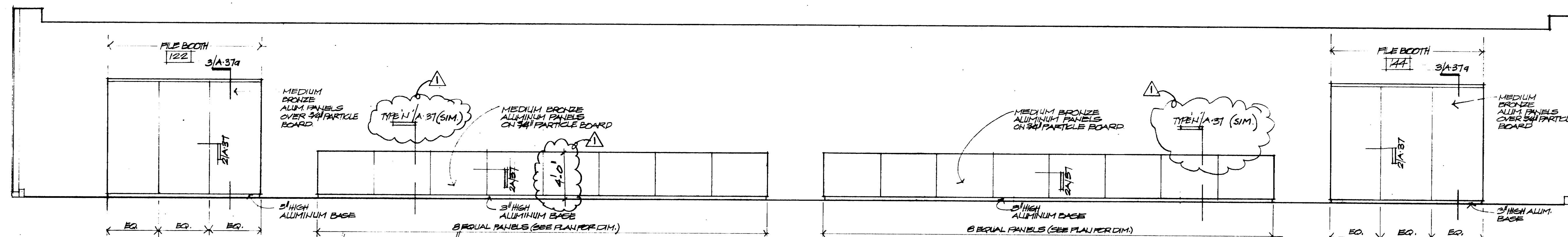
3 ELEVATION - LOOKING WEST FROM BOOKS 119 & 120
1/4" = 1'-0"



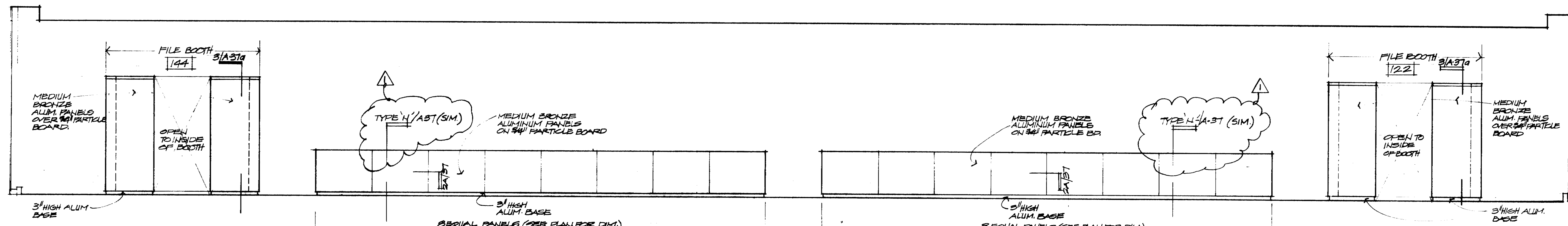
4 ELEVATION - EAST WALL MAP DRAFTING #120
1/4" = 1'-0"



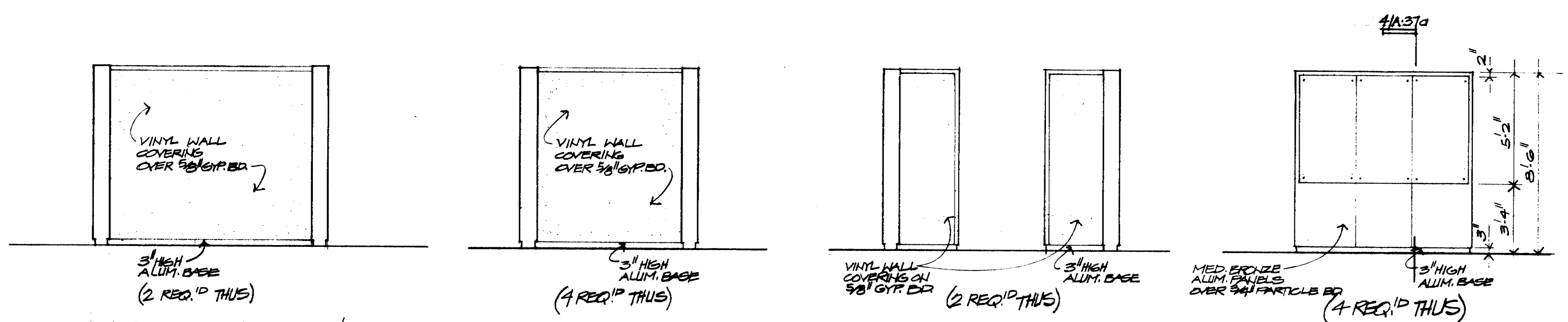
5 ELEVATION - NORTH WALL PUBLIC AREA #117 (SOUTH WALL PUBLIC AREA #117 OPP. HND.)
1/4" = 1'-0"



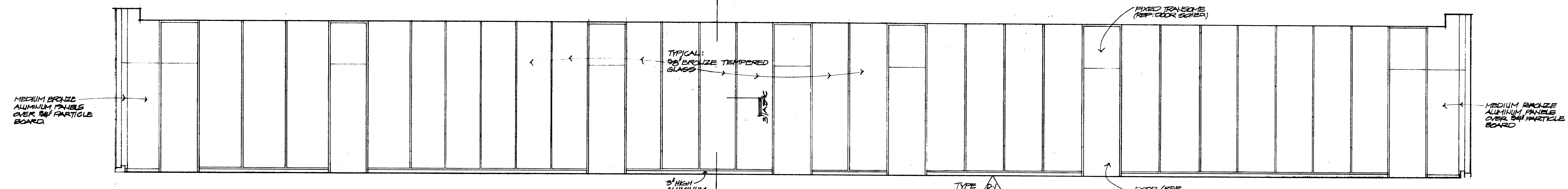
1 ELEVATION LOOKING WEST FROM "PUBLIC AREA"
1/4"=1'-0"



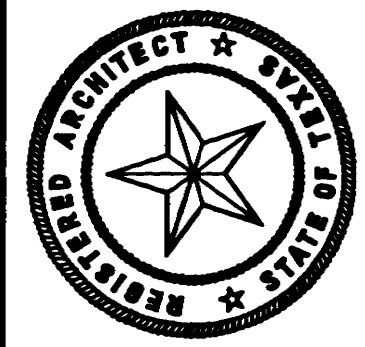
2 ELEVATION LOOKING EAST FROM "ASSISTANTS" 123 & 124
1/4"=1'-0"



3 FILE BOOTHS 122 & 144 ELEVATIONS
1/4"=1'-0"



4 ELEVATION - LOOKING WEST FROM "ASSISTANTS" 123 & 124
1/4"=1'-0"



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GROUND FLOOR INTERIOR ELEVATIONS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



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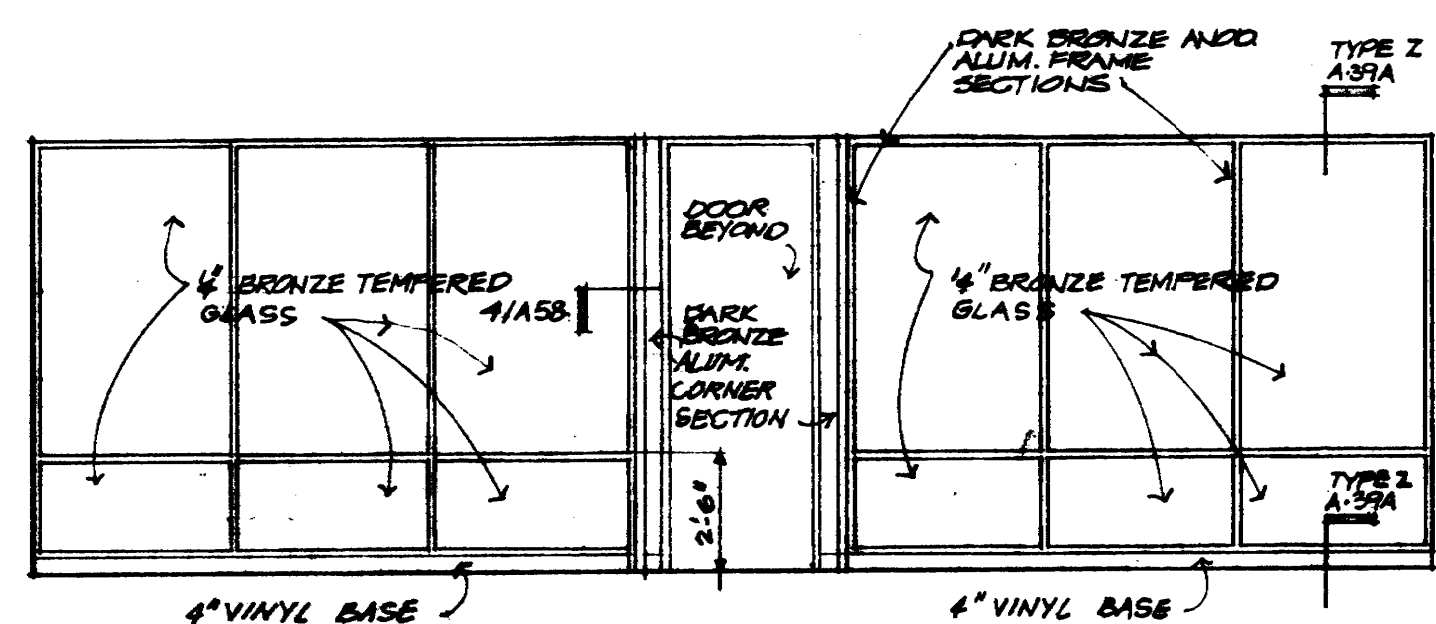
REVISIONS	
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PROJECT NO. 3506
DATE 7-28-75

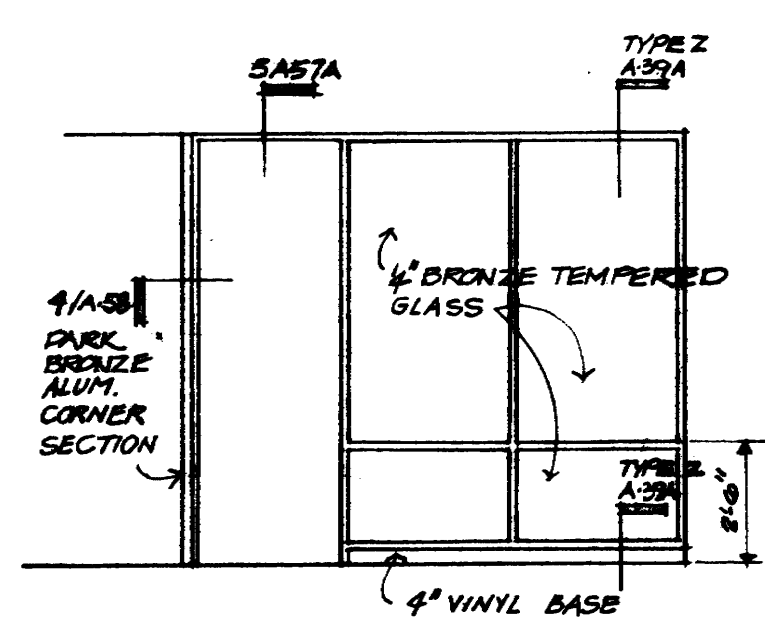
INTERIOR ELEVATIONS
1ST. FLOOR
12 & 13 FLOORS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

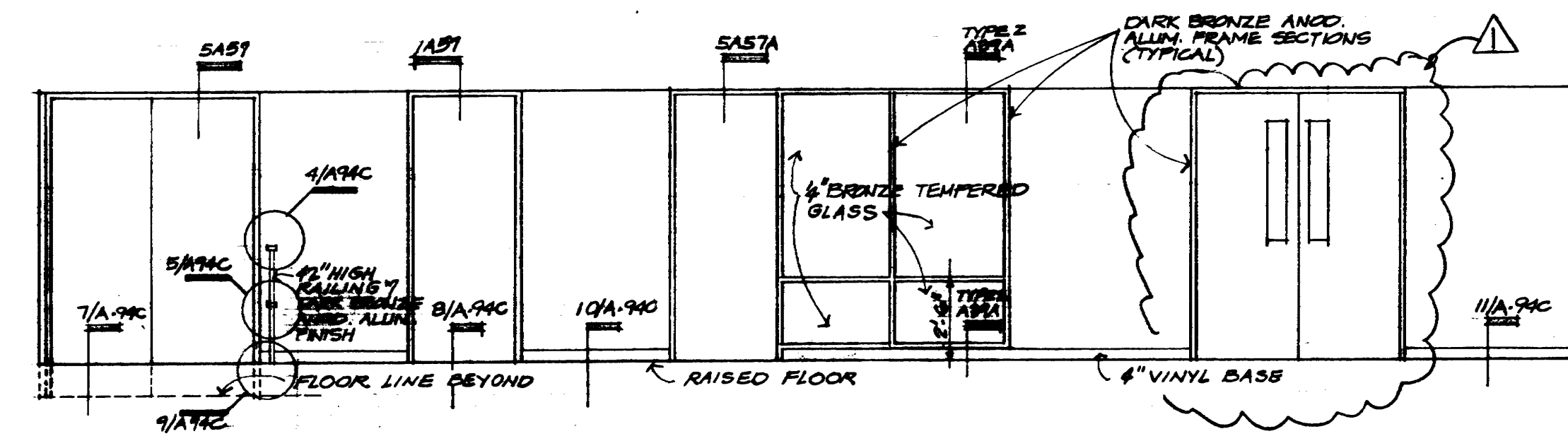
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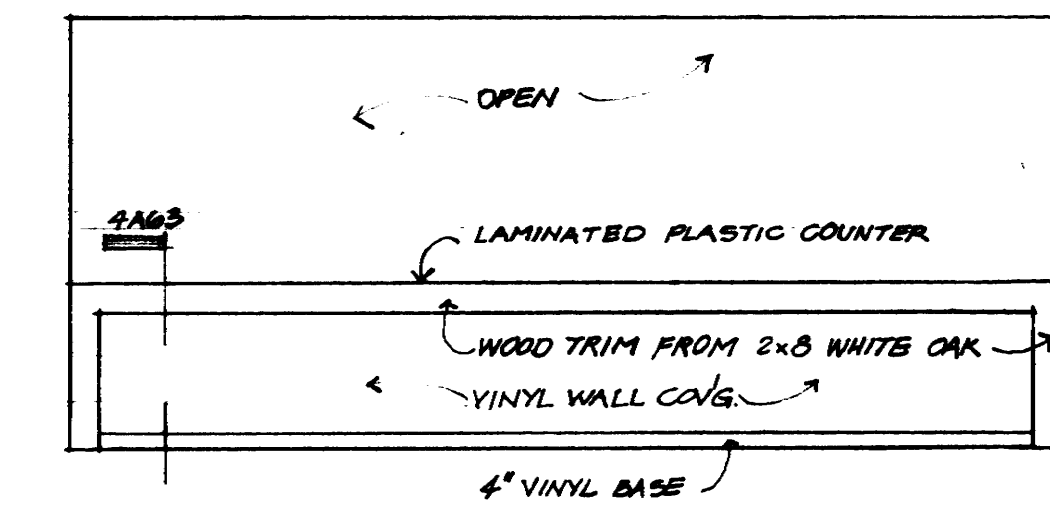
1 INTERIOR ELEVATION
1/4"=1'-0" LOOKING EAST FROM KEYPUNCH #311



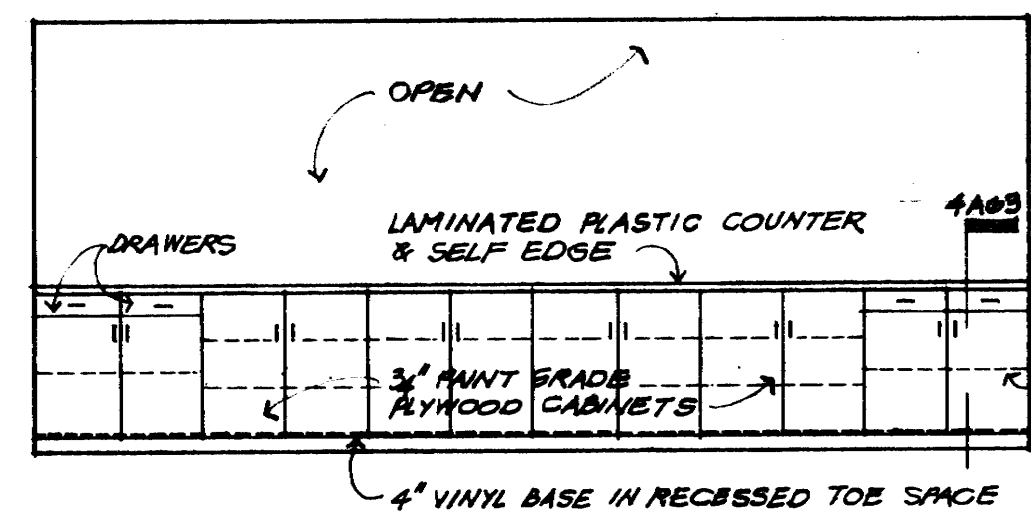
2 INT. ELEVATION
1/4"=1'-0" LOOKING NORTH OF OFFICE #314



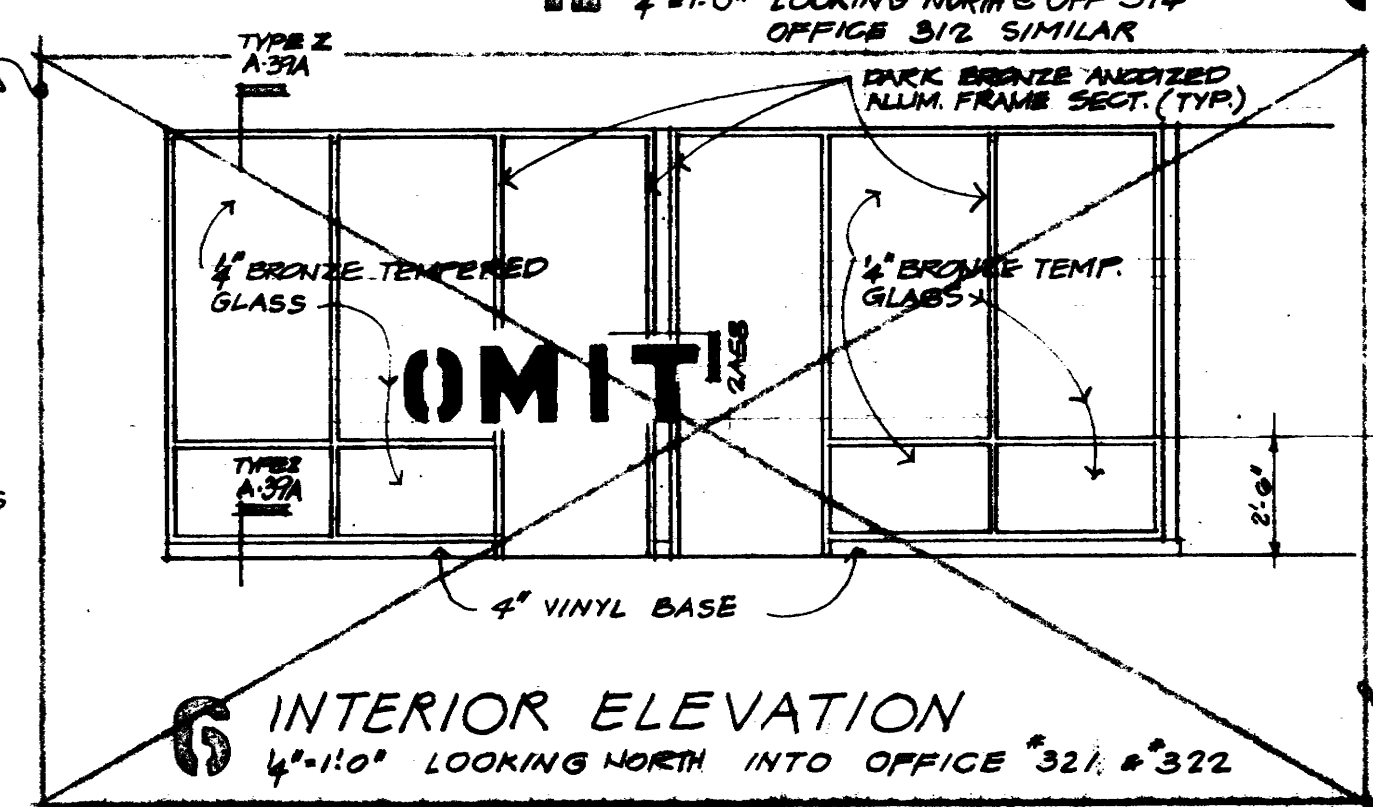
3 INTERIOR ELEVATION
1/4"=1'-0" LOOKING WEST FROM COMPUTER ROOM #316



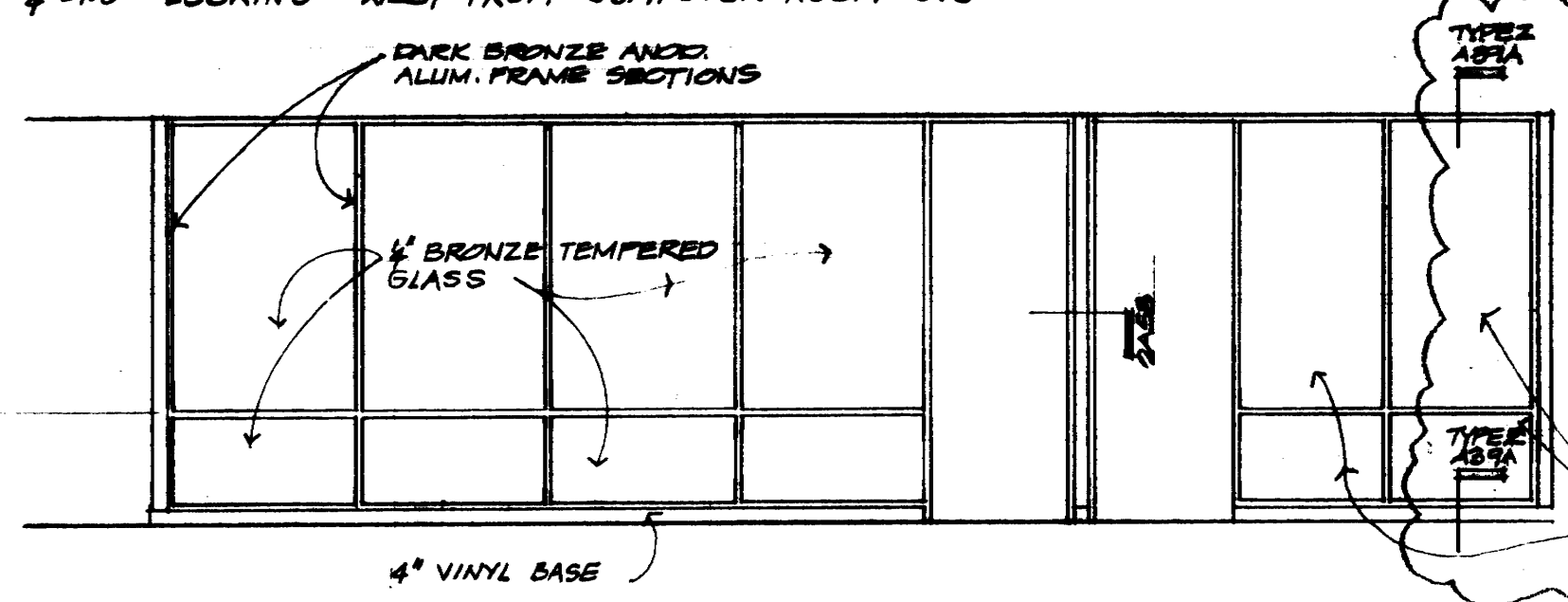
4 INTERIOR ELEVATION
1/4"=1'-0" REGISTRATION COUNTER FRONT



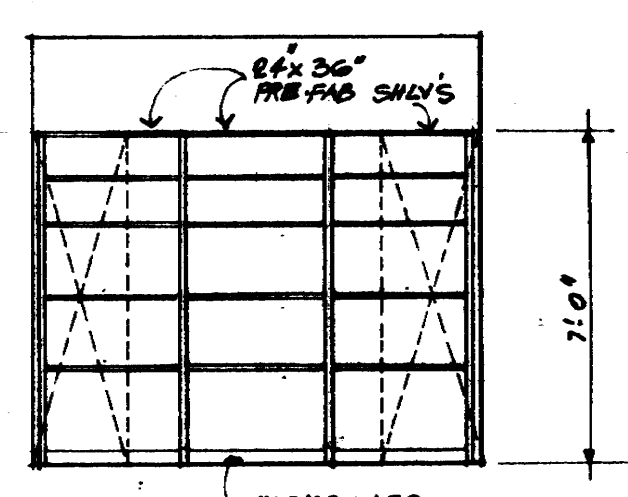
5 INTERIOR ELEVATION
1/4"=1'-0" SERVICE SIDE OF REGISTRATION COUNTER



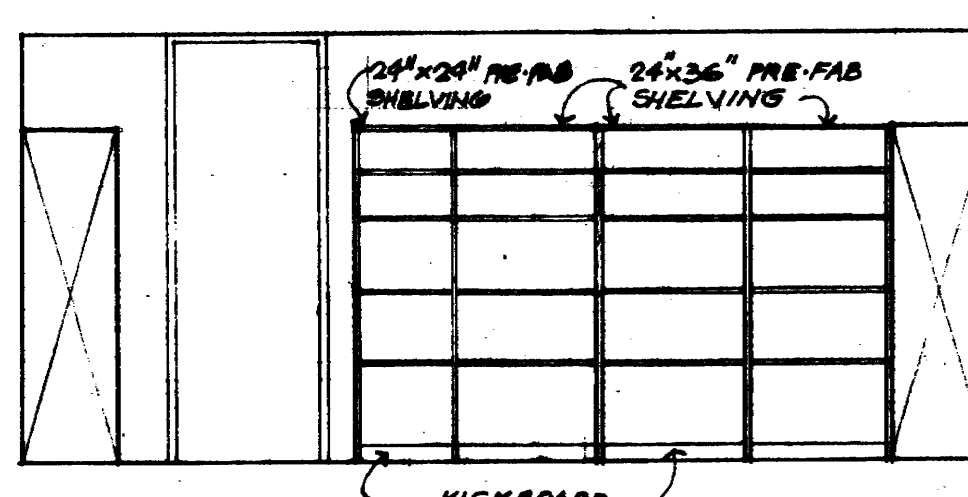
6 INTERIOR ELEVATION
1/4"=1'-0" LOOKING NORTH INTO OFFICE #321 & #322



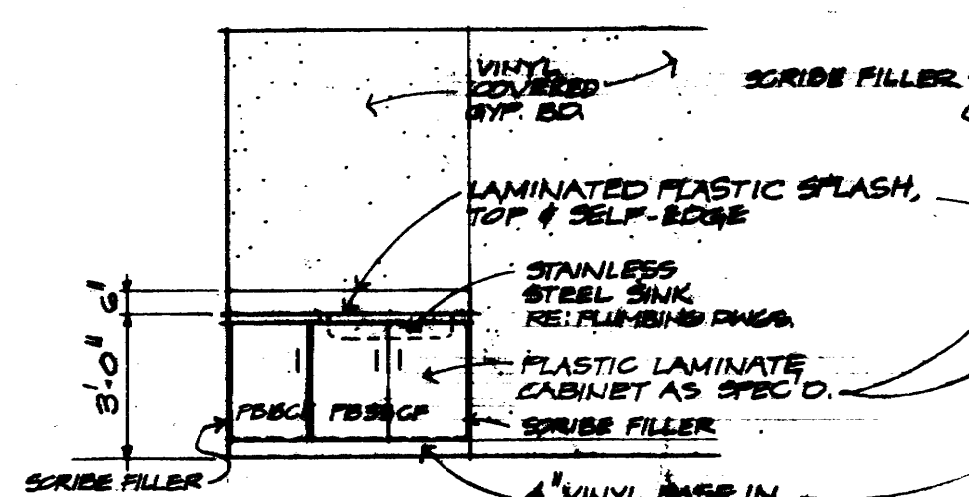
7 INTERIOR ELEVATION
1/4"=1'-0" LOOKING WEST FROM CURRENT TAX #330



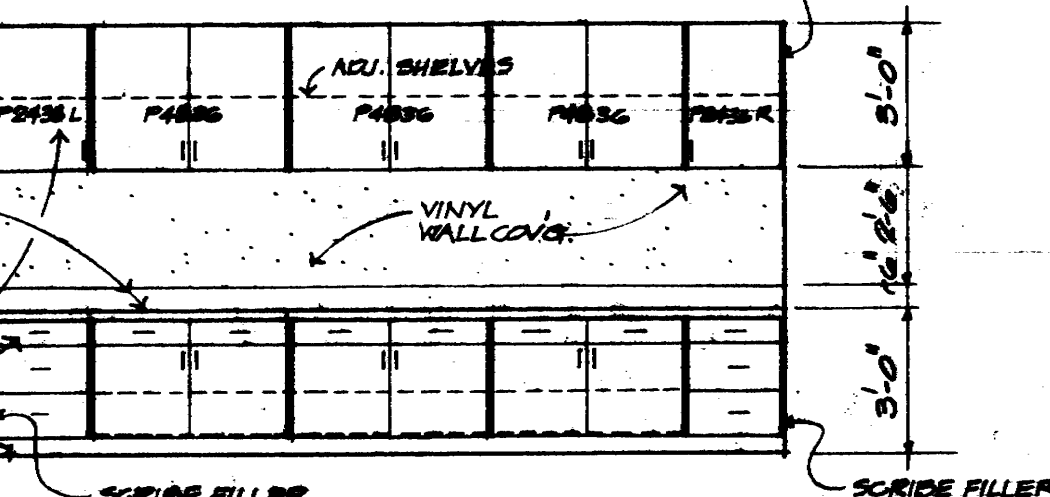
8 INT. ELEVATION
1/4"=1'-0" TYP. END WALLS OF STORAGE #333



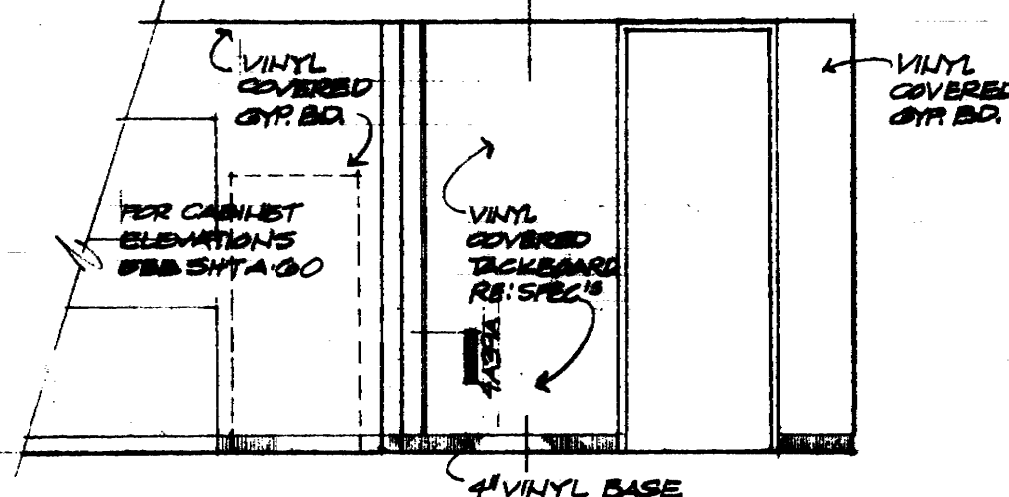
9 INTERIOR ELEVATION
1/4"=1'-0" TYPICAL SIDE WALLS OF STORAGE #333



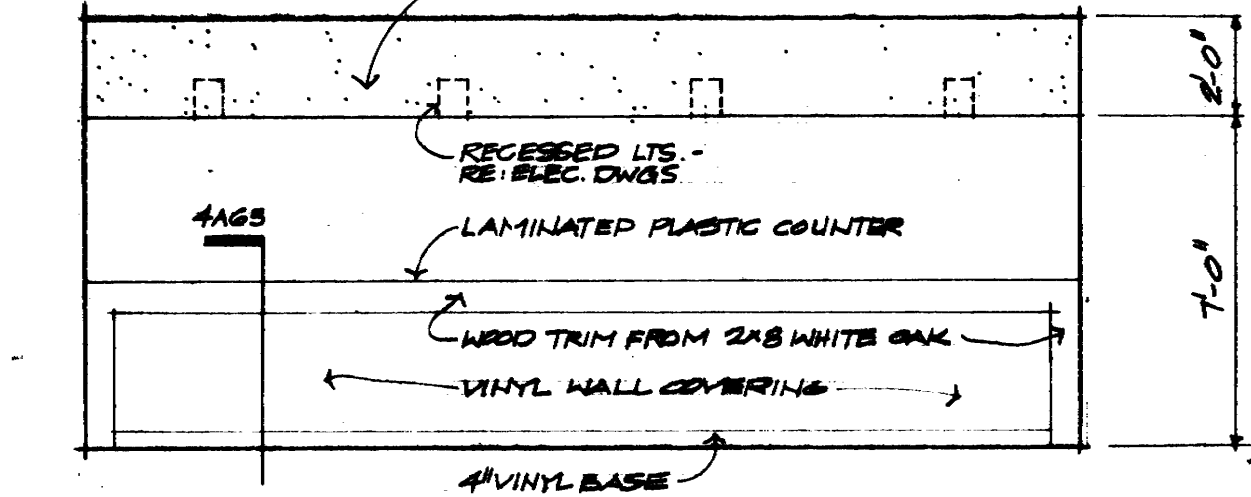
10 INT. ELEVATION
1/4"=1'-0" LOOKING EAST - ROOM #332



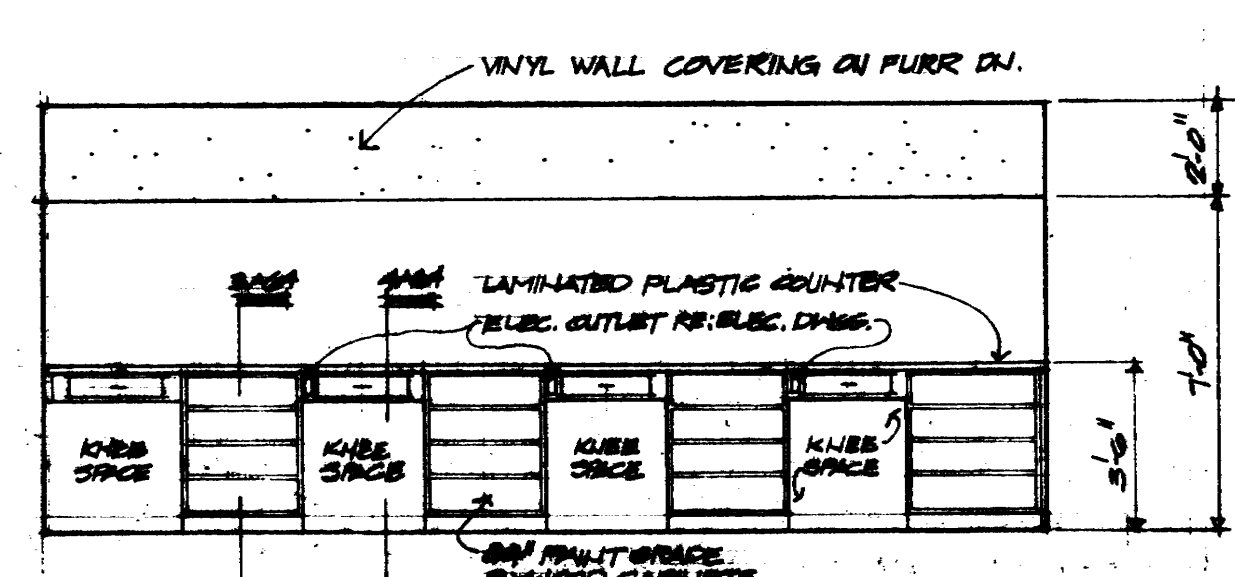
11 INTERIOR ELEVATION
1/4"=1'-0" LOOKING SOUTH - ROOM #332



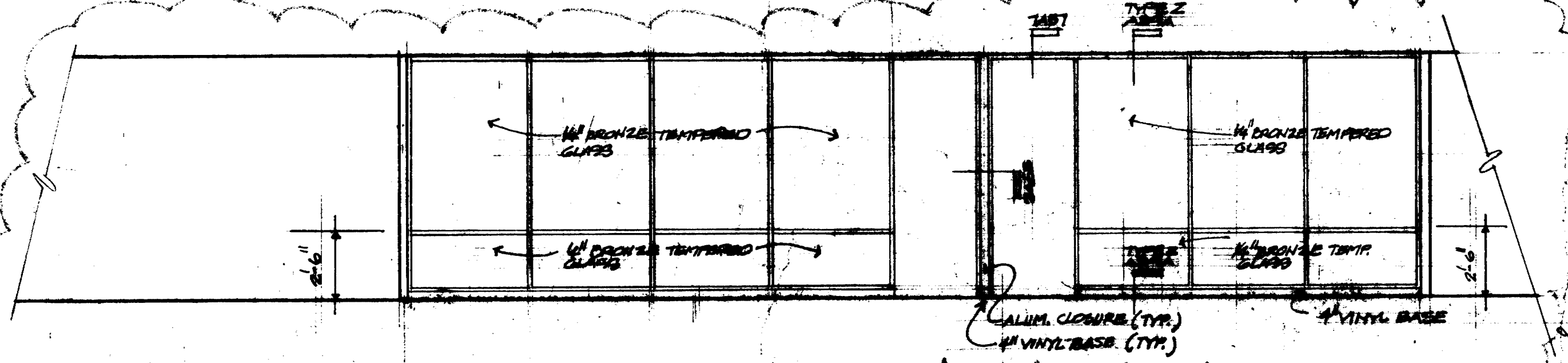
12 PARTIAL INT. ELEVATION
1/4"=1'-0" LOOKING NORTH - ROOM #310



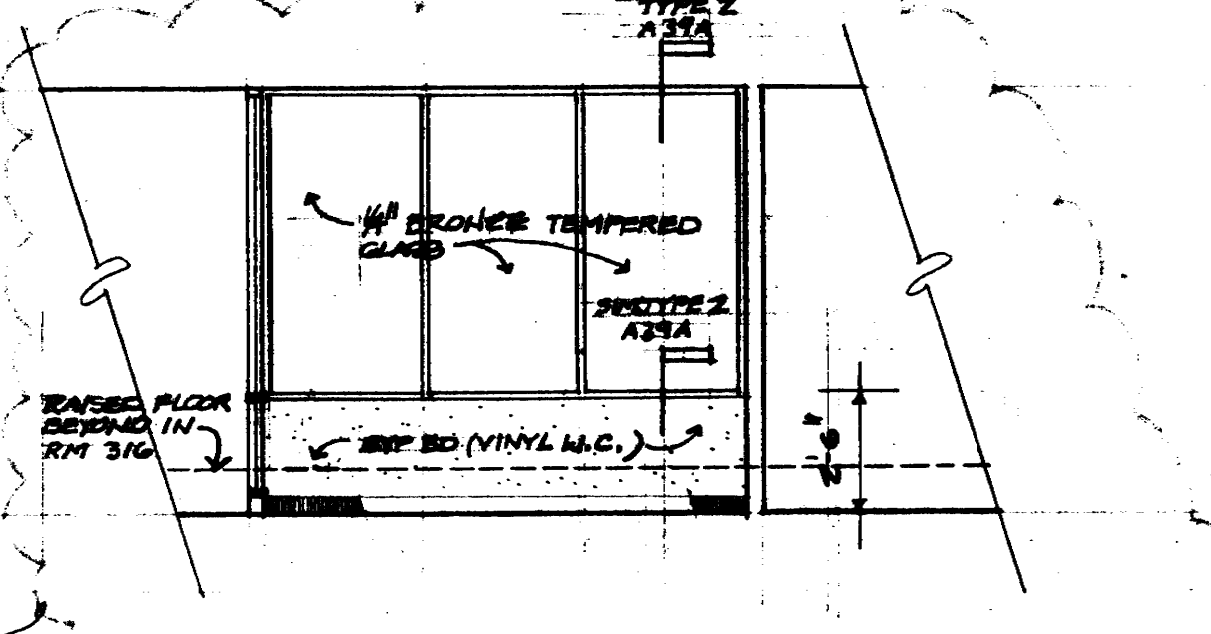
13 INTERIOR ELEVATION
1/4"=1'-0" LOOKING NORTH FROM RECEPTION #228



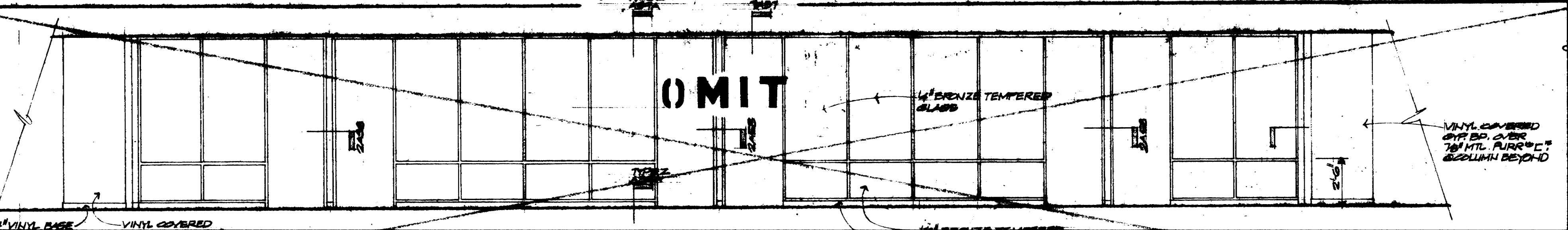
14 INTERIOR ELEVATION
1/4"=1'-0" LOOKING SOUTH FROM ROOM #227



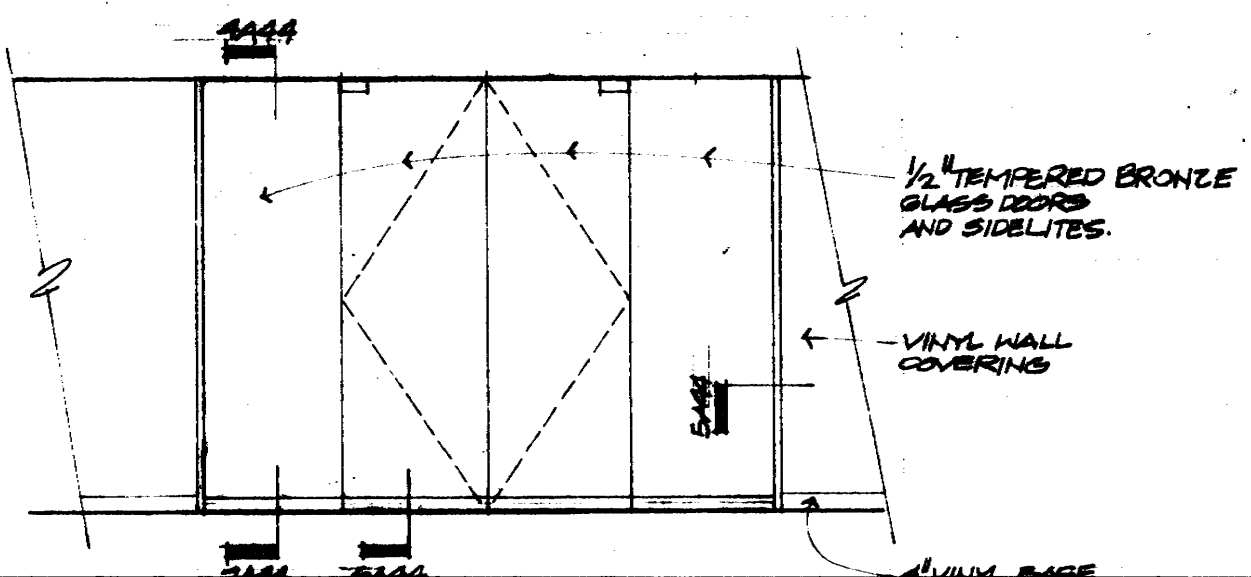
15 INTERIOR ELEVATION
1/4"=1'-0" LOOKING SOUTH FROM ROOM #218/236



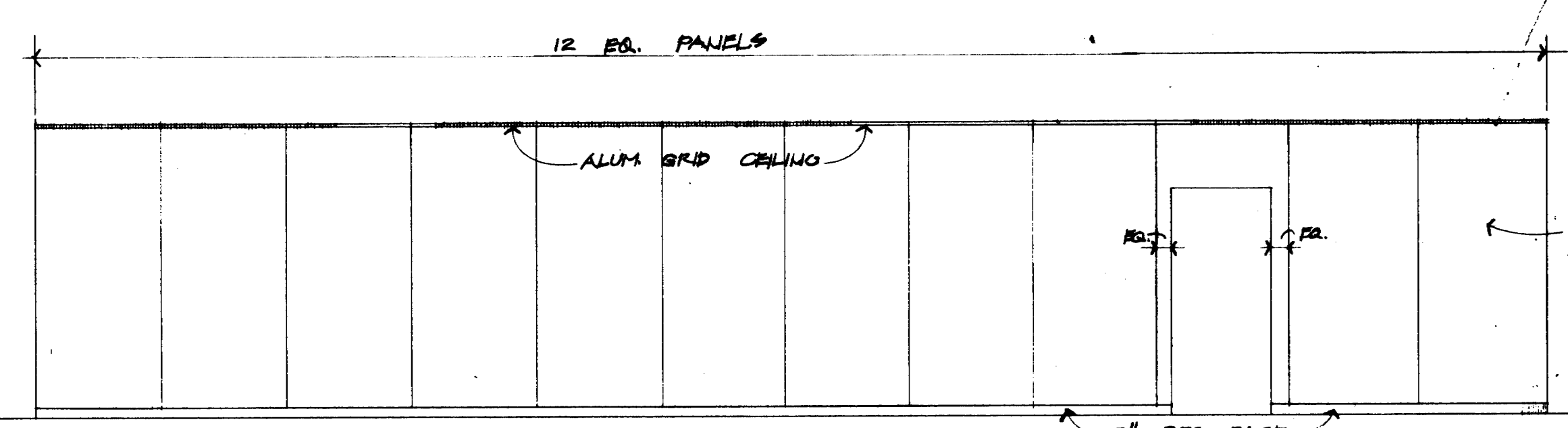
15A INTERIOR ELEVATION
1/4"=1'-0" LOOKING NORTH FROM ROOM #314



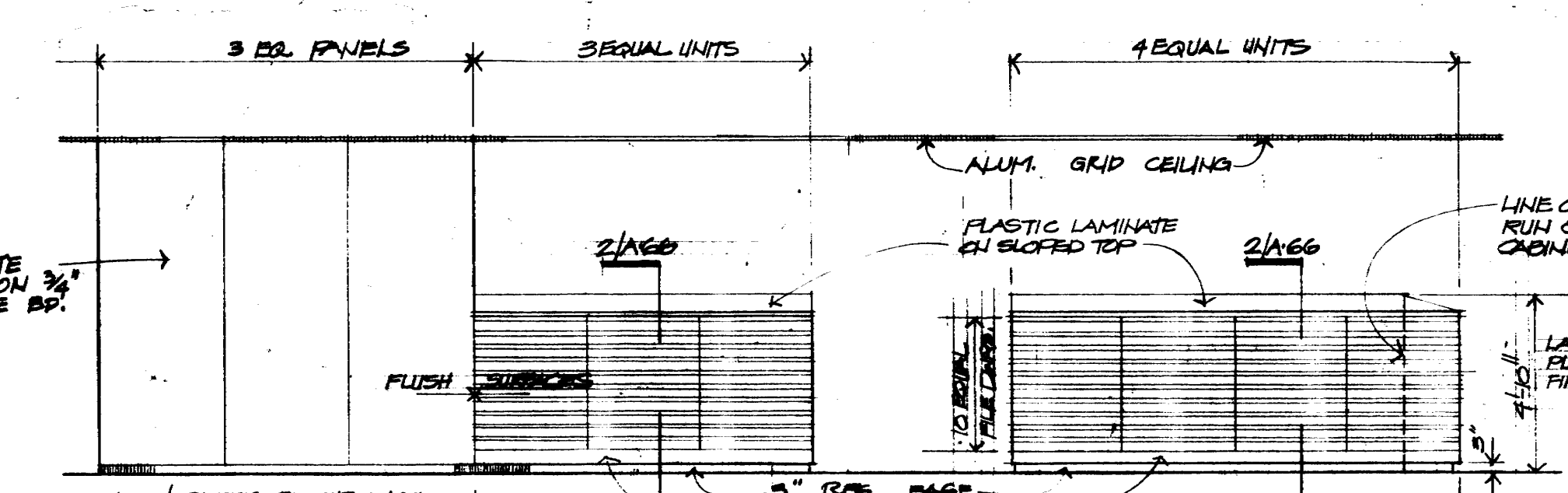
16 INTERIOR ELEVATION
1/4"=1'-0" LOOKING EAST FROM ROOM #225



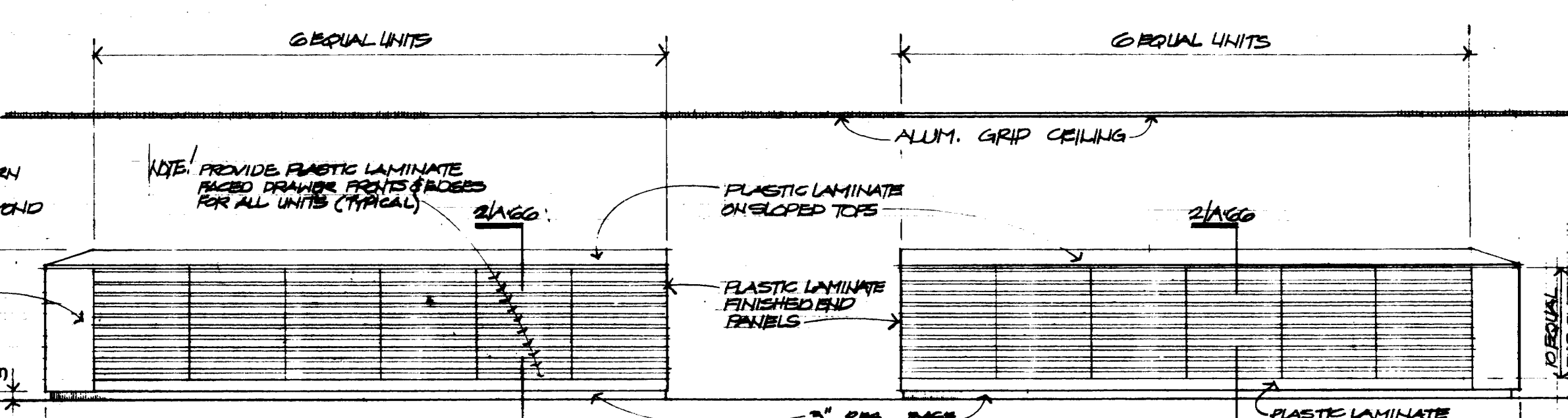
17 INTERIOR ELEVATION
1/4"=1'-0" LOOKING SOUTH FROM CORRIDOR



18 ELEVATION - WALL BEHIND CASHIERS COUNTER @ GROUND FLOOR
1/4"=1'-0" CASHIERS 119 & 120



19 ELEVATION - 5'-2" HIGH PARTITION @ WORK AREA 114 & 127
1/4"=1'-0"



20 FRONT ELEVATION - 5'-2" HIGH PARTITION @ WORK AREA 114 & 127
1/4"=1'-0"

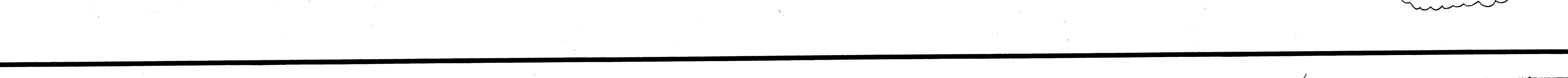
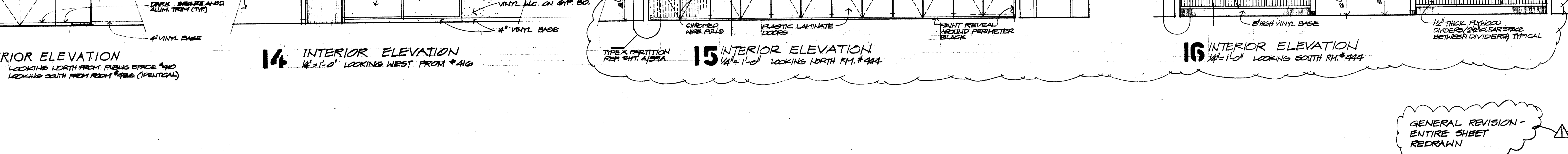
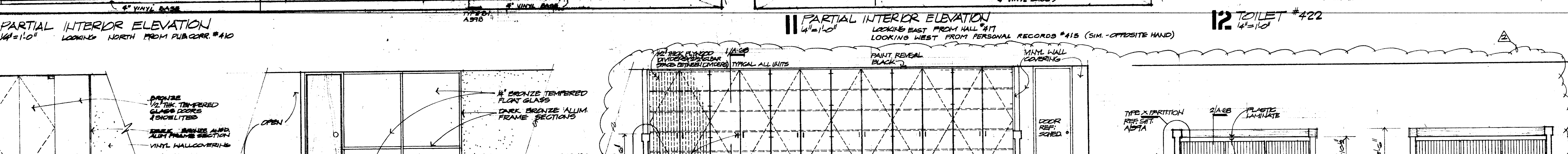
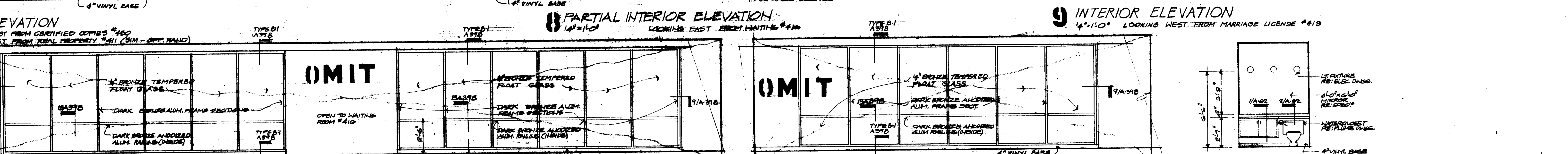
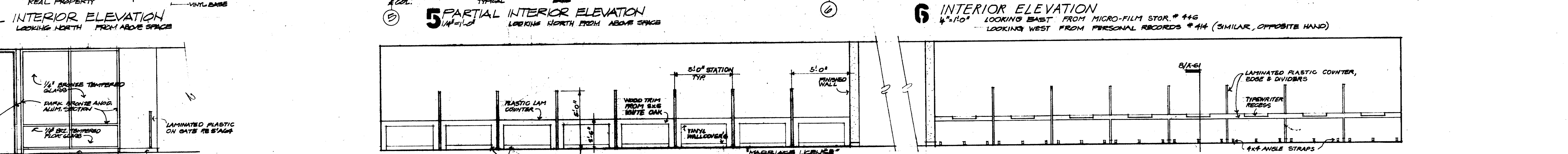
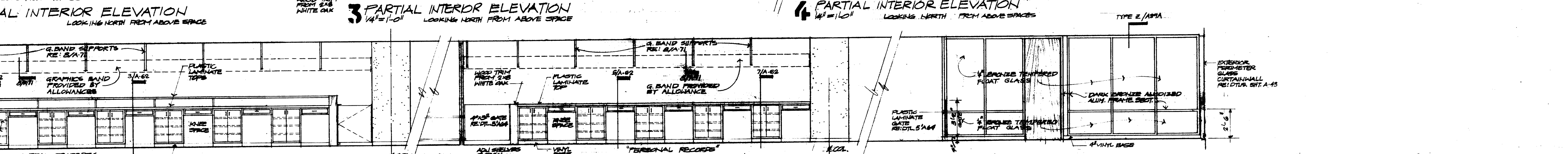
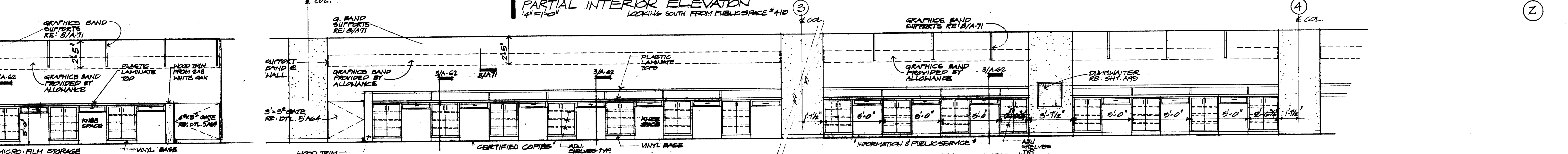
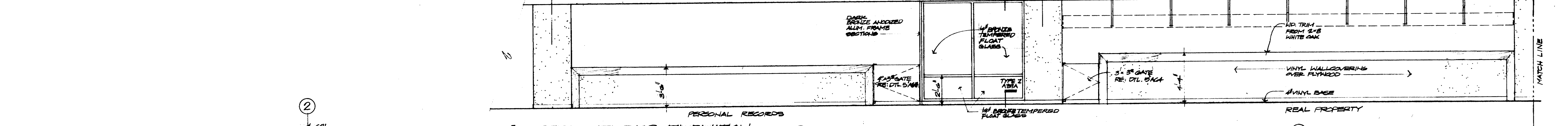
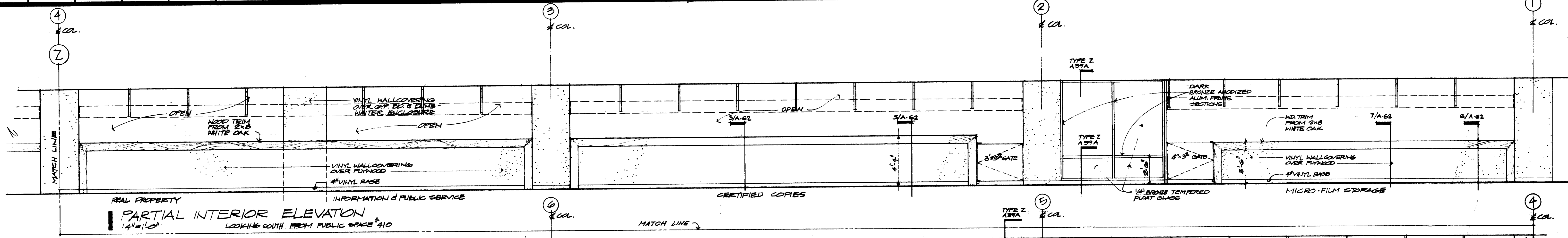


KENNETH BENTSEN ASSOCIATES
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HOUSTON, TEXAS 77027

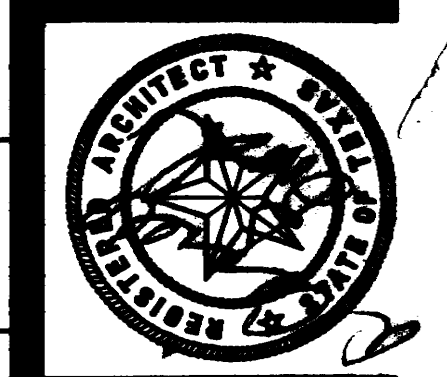
HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON, TEXAS

REVISIONS
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B 11-11-76
C 1-1-77
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E 1-1-77
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Y 1-1-77
Z 1-1-77

INTERIOR ELEVATIONS - 4TH FLOOR
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



GENERAL REVISION - ENTIRE SHEET REDRAWN



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HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

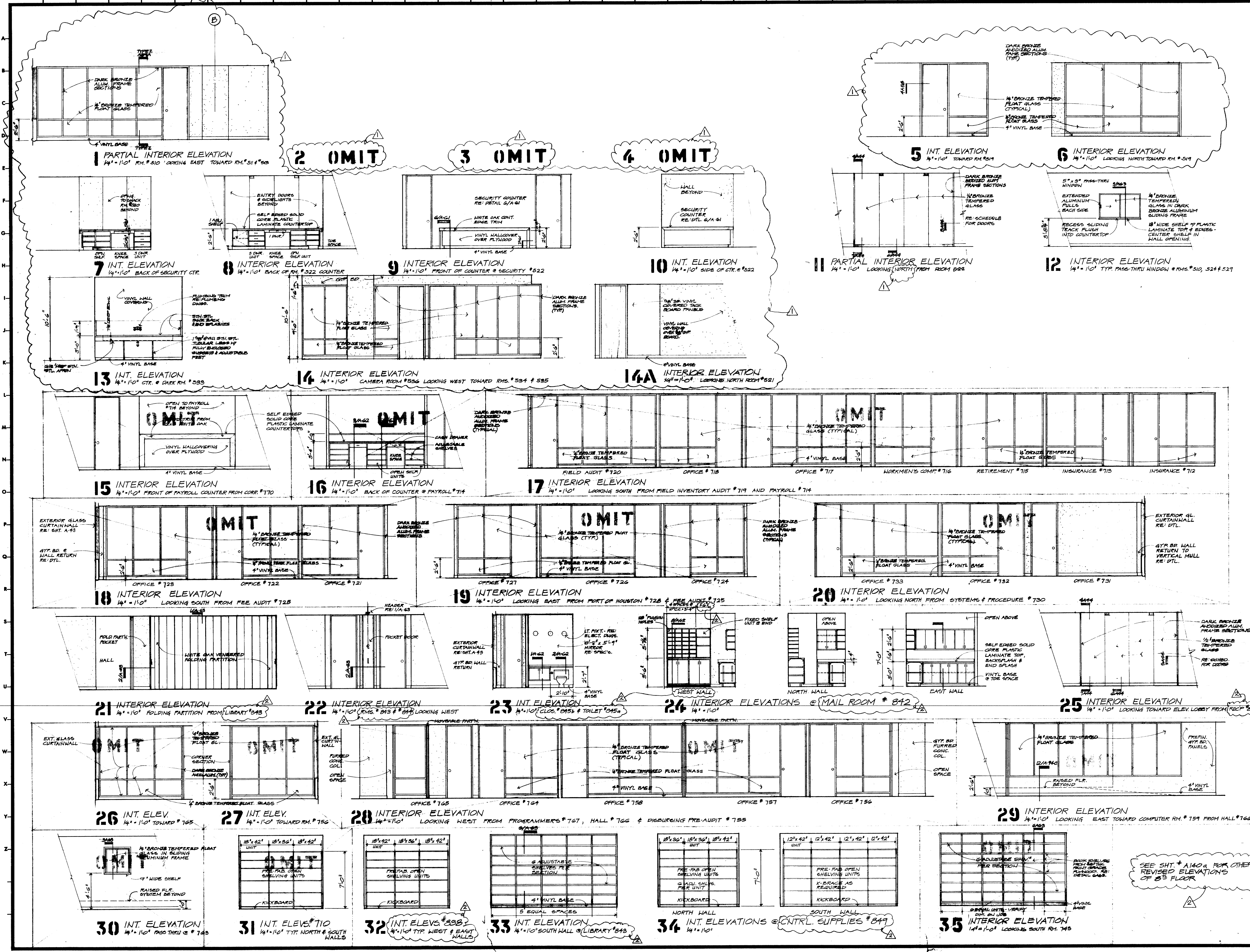
REVISIONS

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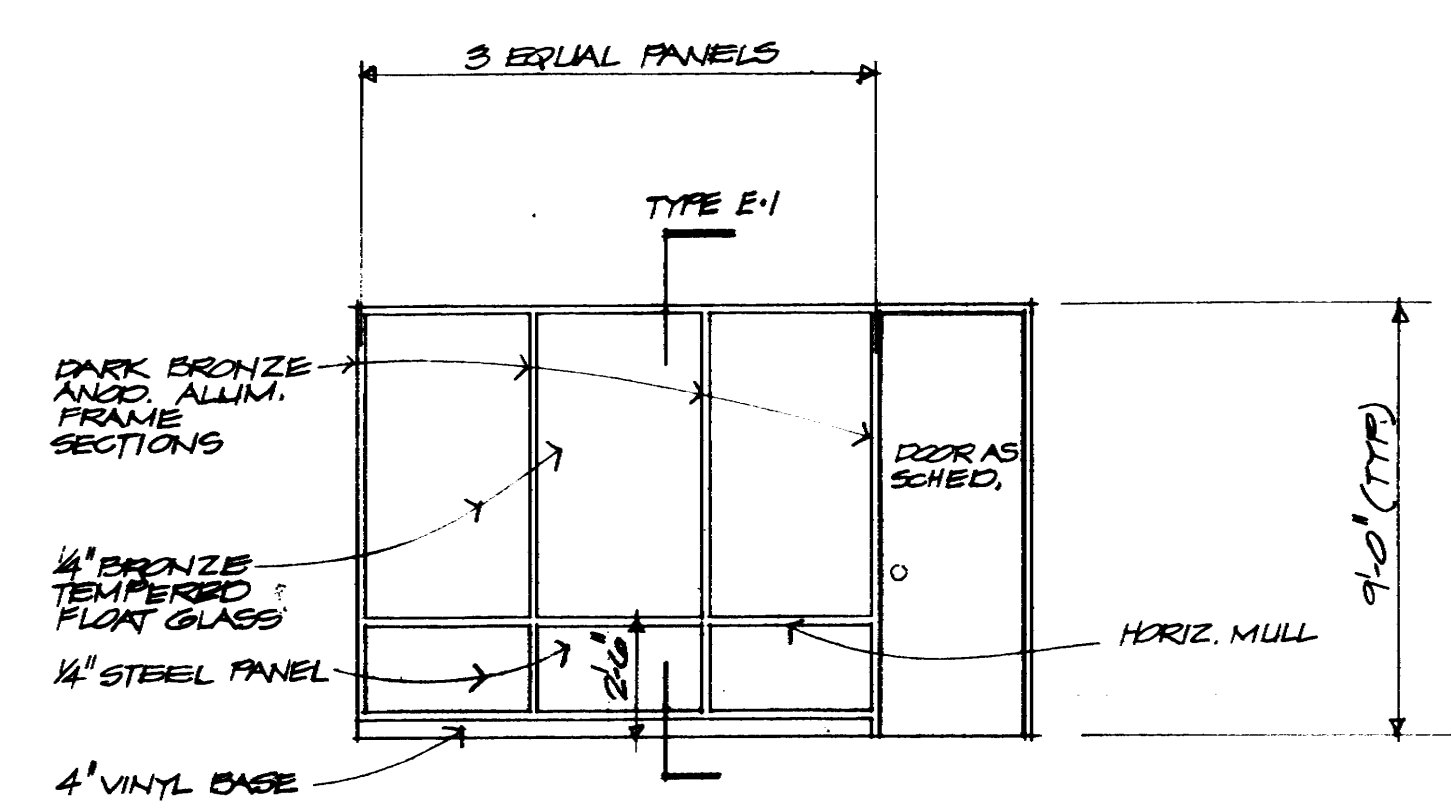
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CHECKED BY PROJECT NO. 3506
DATE 7-28-75

INTERIOR ELEVATIONS
5TH & 8TH FLRS.

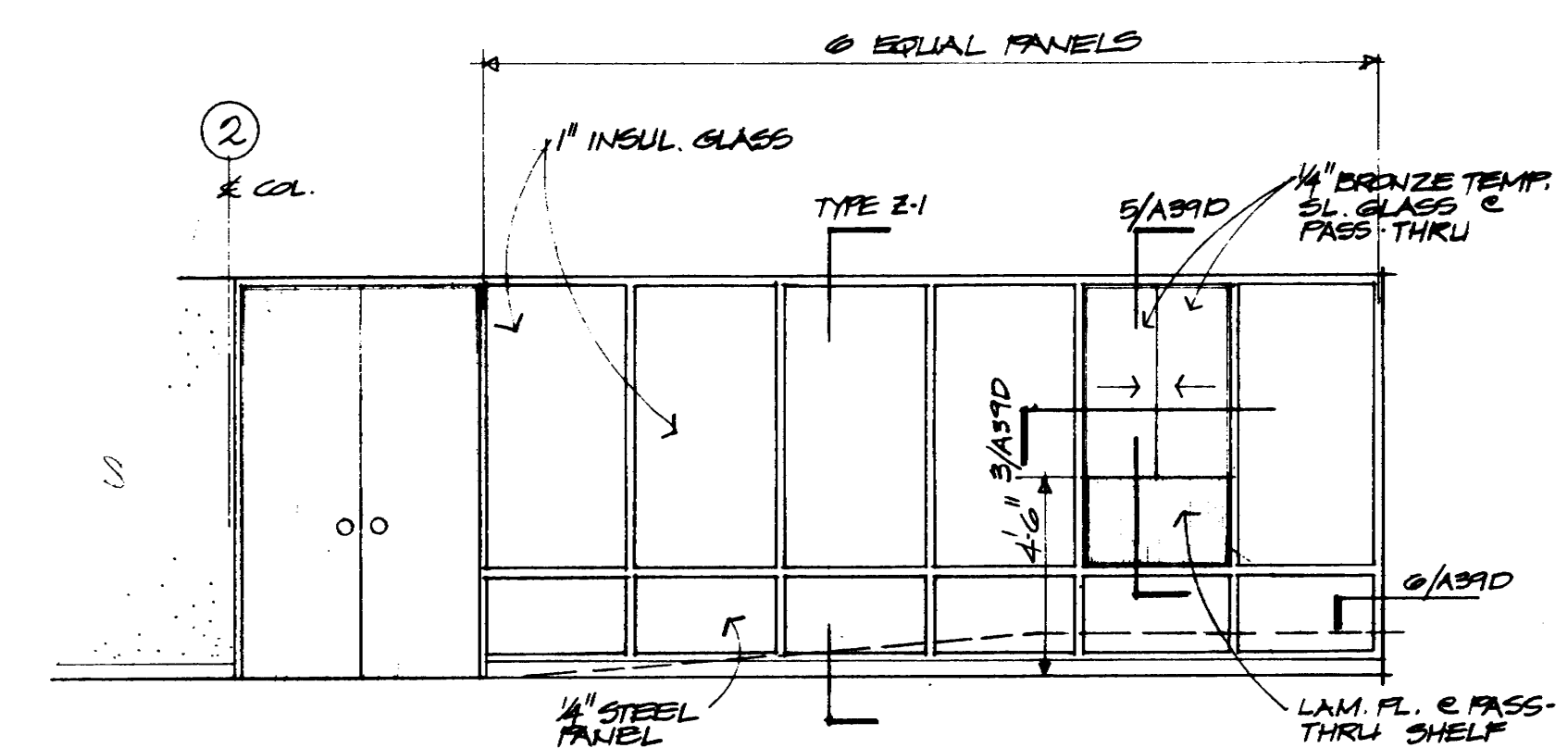
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



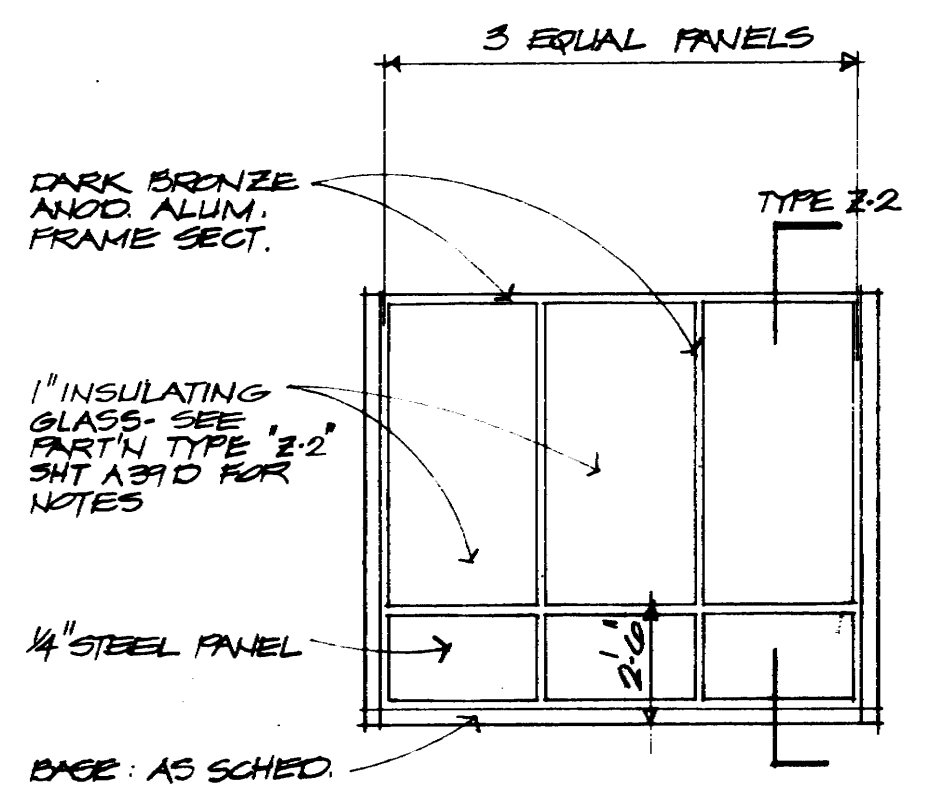
SEE SHT. # A140a FOR OTHER REVISED ELEVATIONS OF 5TH FLOOR



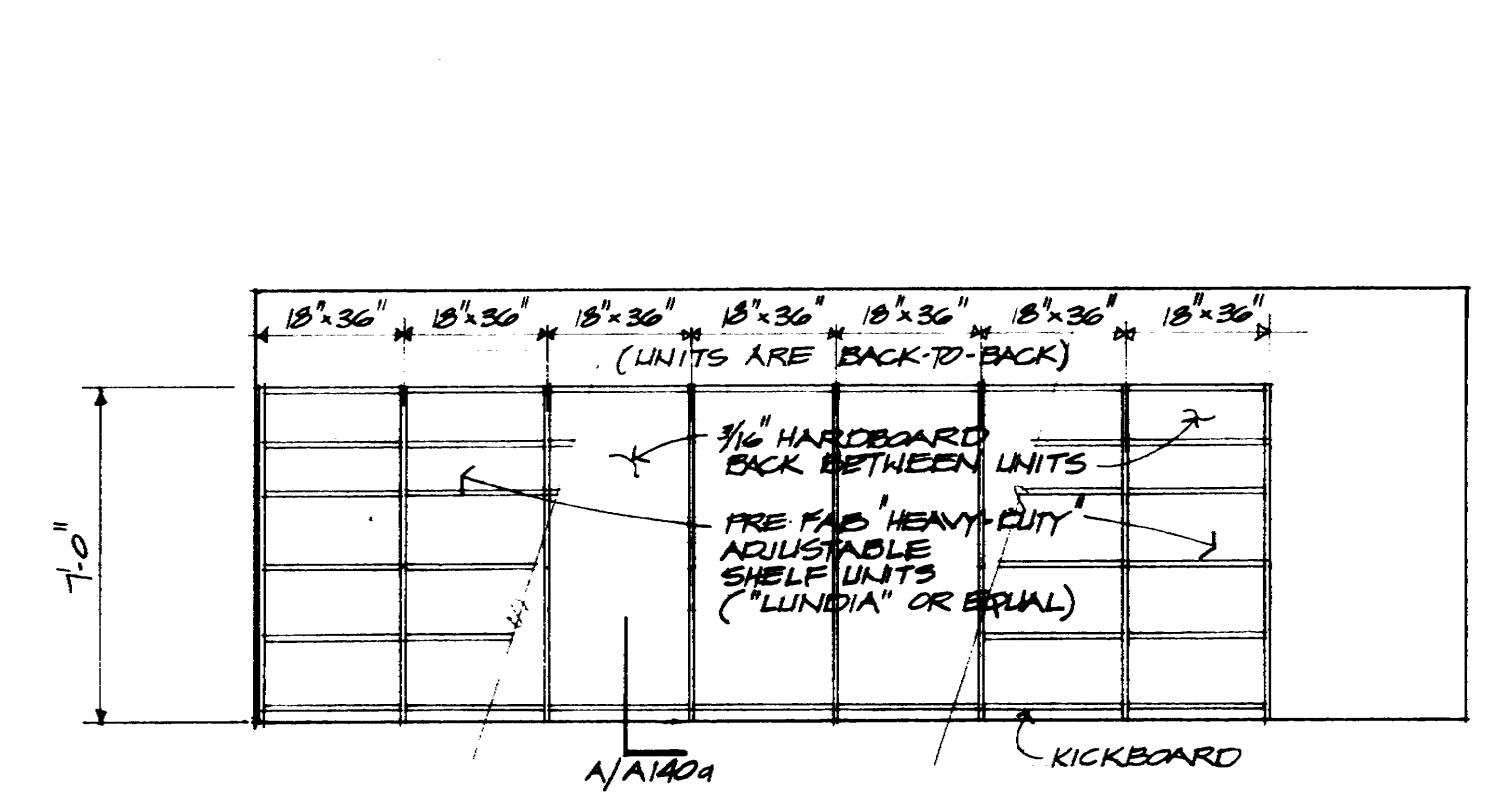
1 INTERIOR ELEVATION
1/4" x 1'-0" SOUTH WALL & OFFICE #311



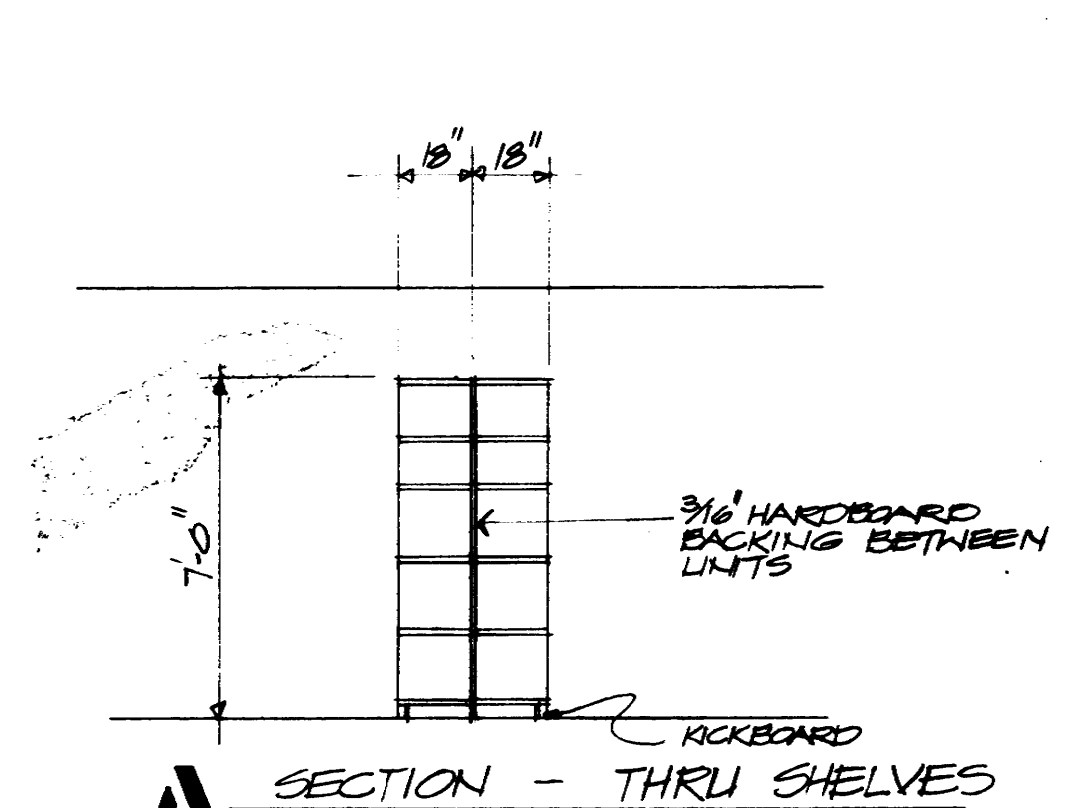
2 INTERIOR ELEVATION
1/4" x 1'-0" SOUTH WALL & RM. #314



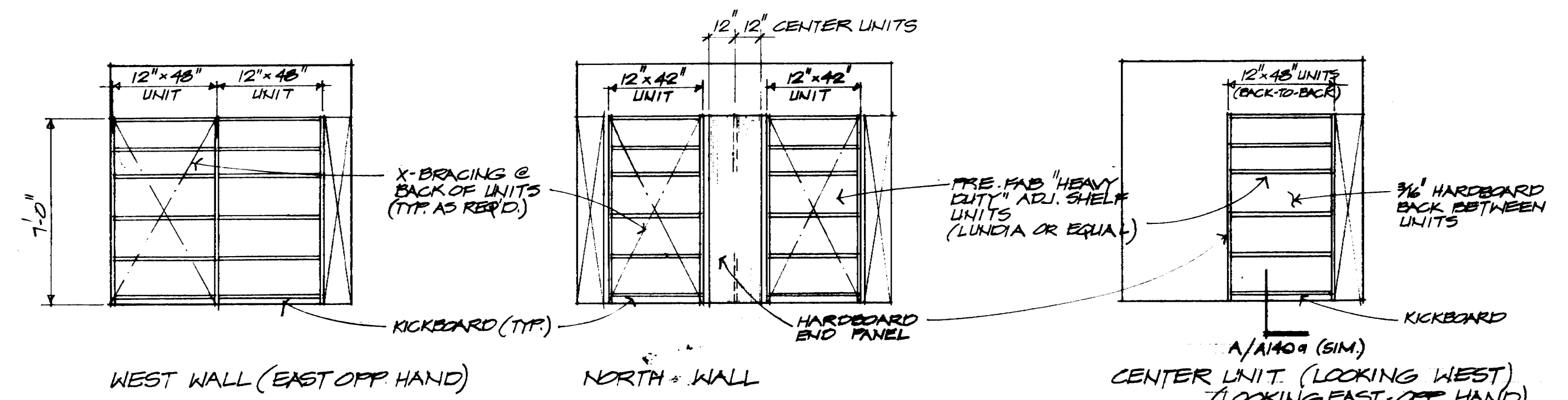
3 INTERIOR ELEVATION
1/4" x 1'-0" SOUTH WALL & RM. #312



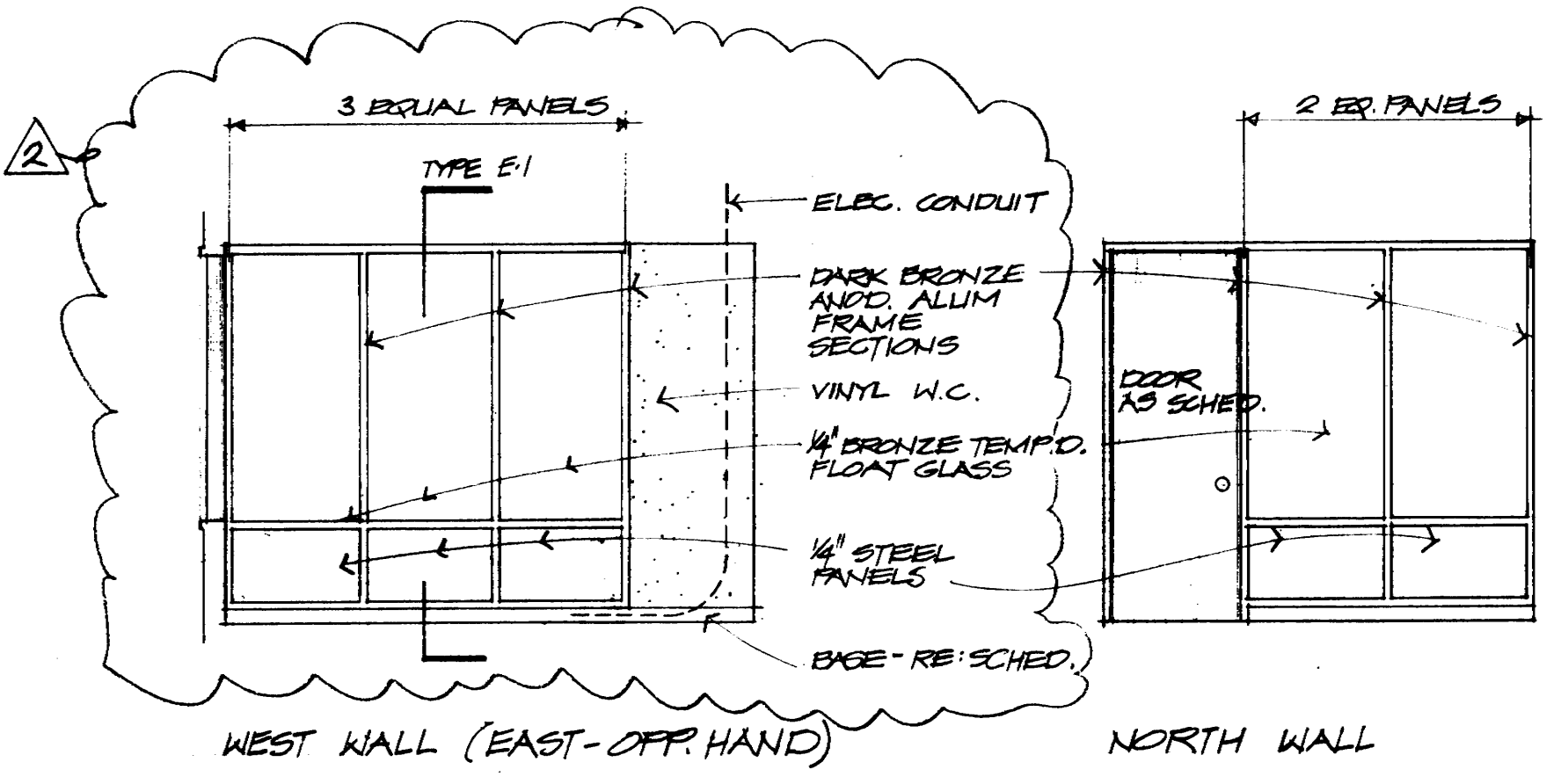
4 INTERIOR ELEVATION
1/4" STORAGE SHELVES - ROOM #316



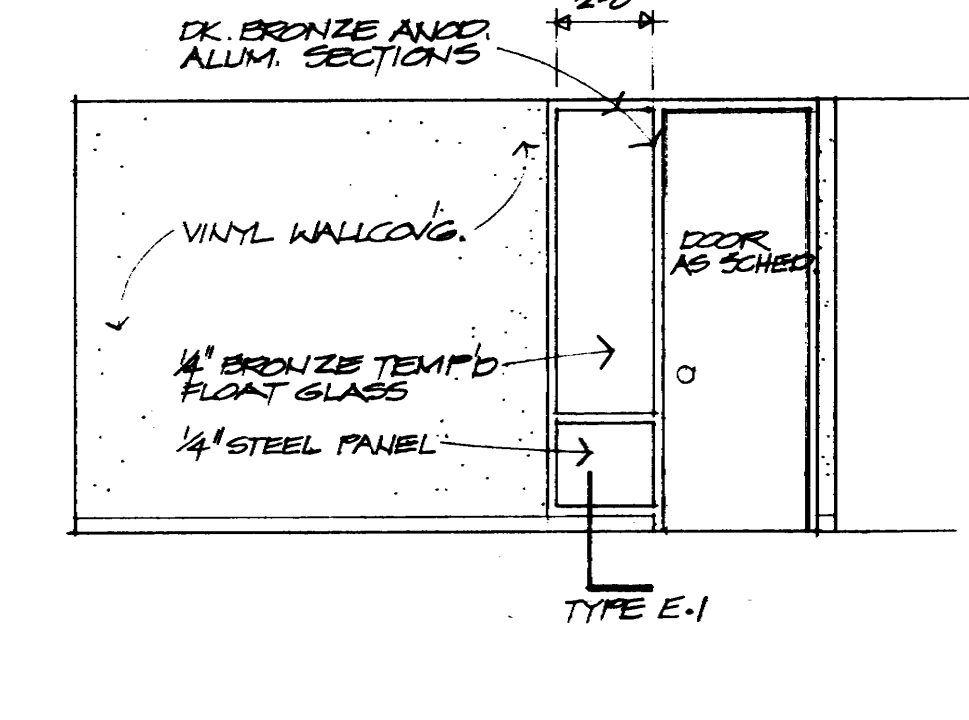
A SECTION - THRU SHELVES



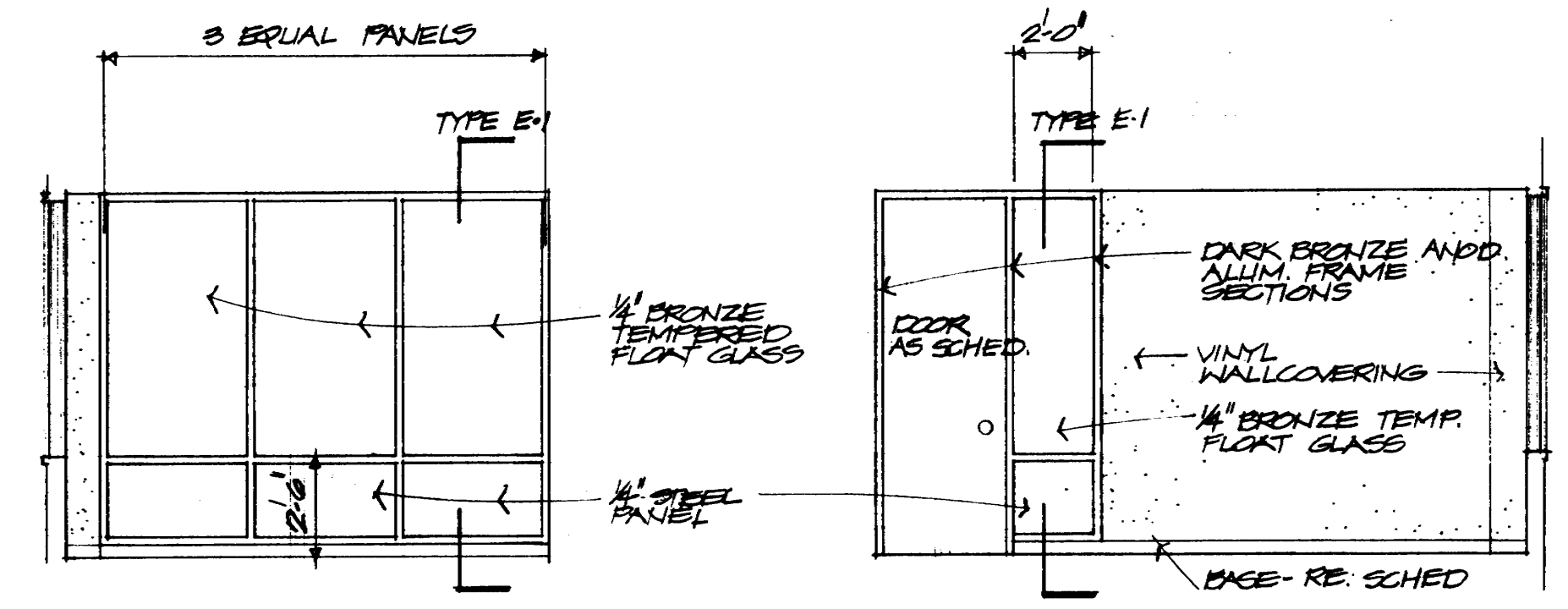
5 INTERIOR ELEVATIONS - STORAGE ROOM #319
1/4" x 1'-0"



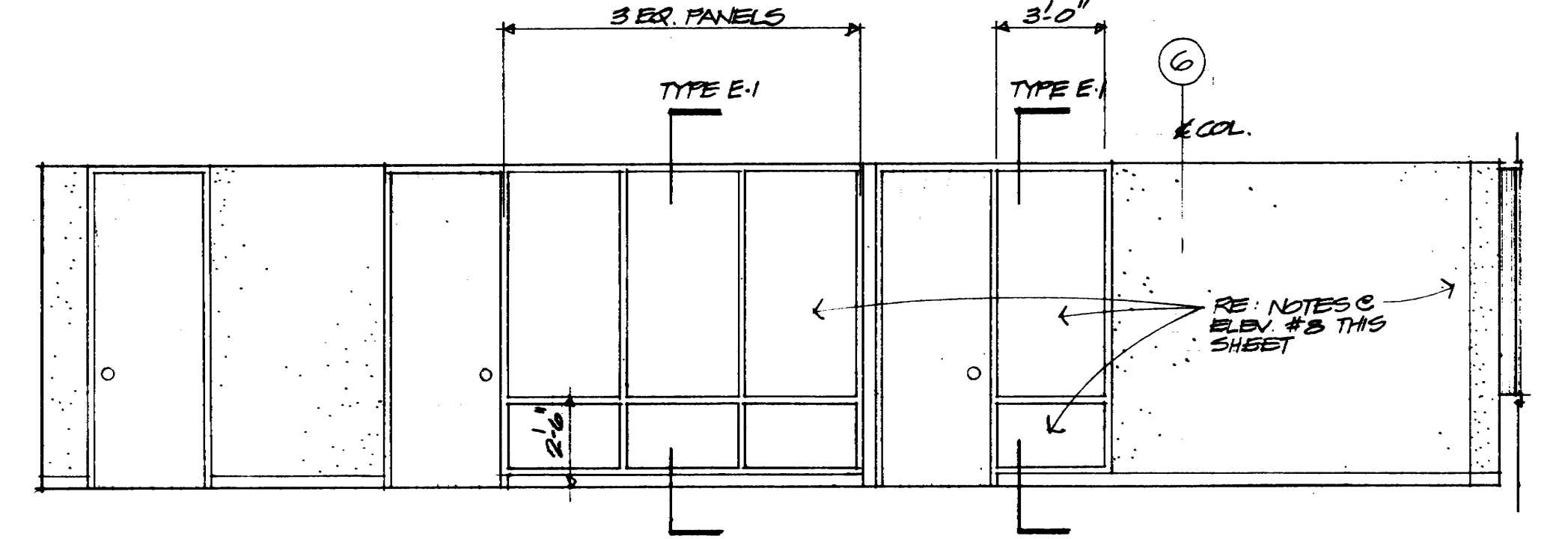
6 INTERIOR ELEVATIONS - ROOM #324
1/4" x 1'-0"



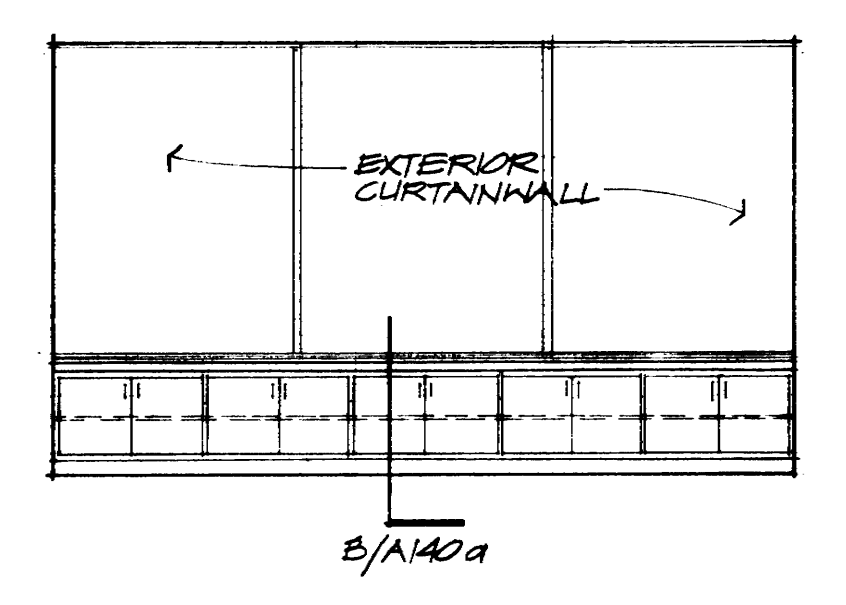
7 INTERIOR ELEVATION
1/4" SOUTH WALL - ROOM #327



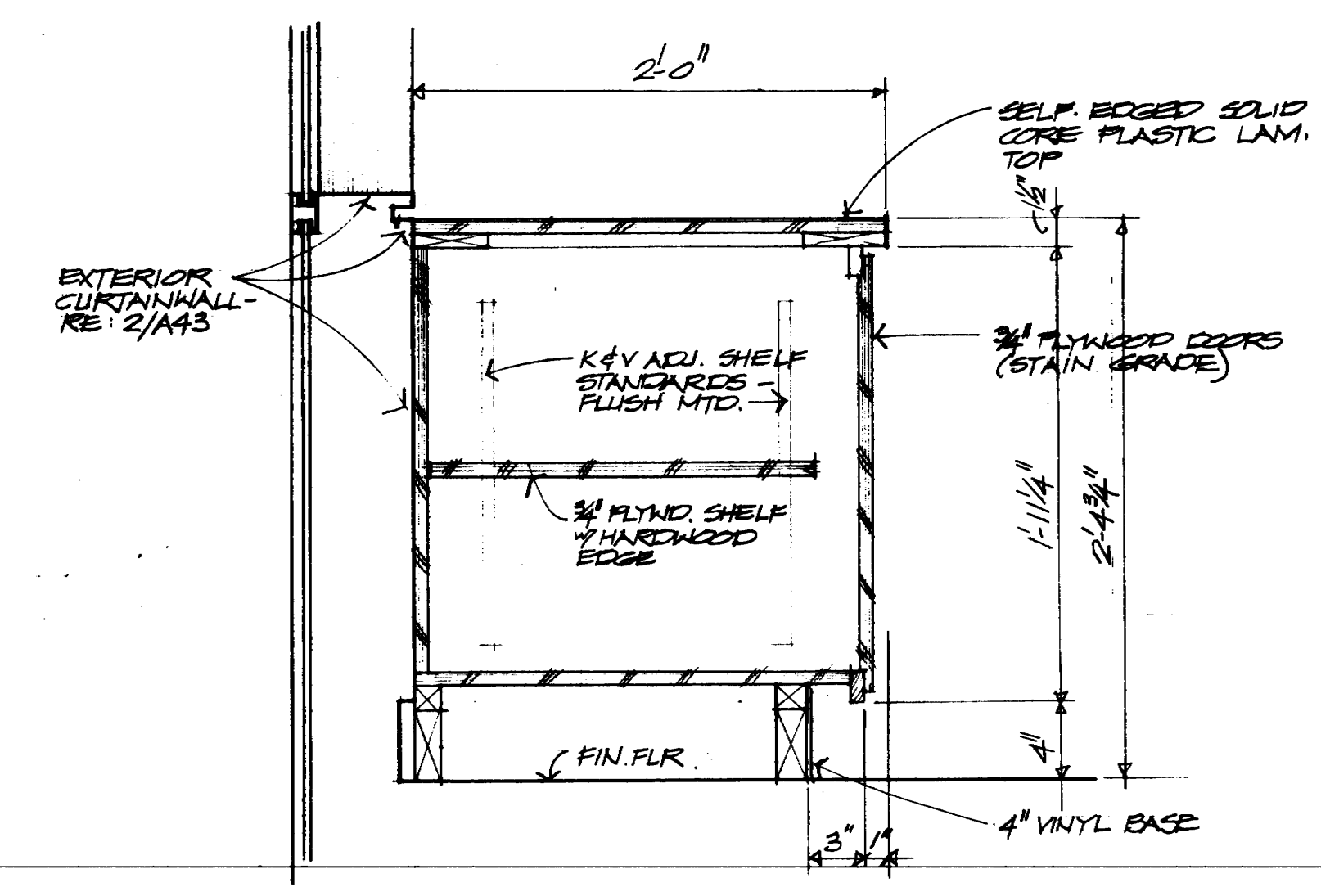
8 INTERIOR ELEVATIONS - ROOM #330
1/4" x 1'-0"



9 INTERIOR ELEVATION - NORTH WALL TAX AUDIT RM #331
1/4" x 1'-0"



10 INTERIOR ELEVATION
1/4" NORTH WALL & RM #344



B COUNTER DETAIL - CONF RM #344
1/2" x 1'-0"

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HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS	
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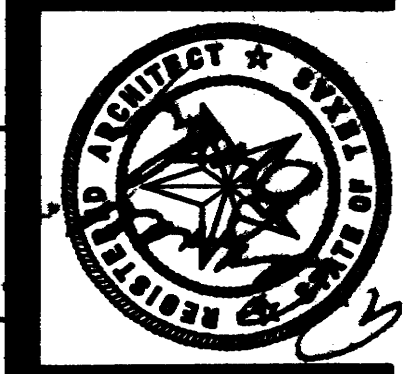
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CHECKED BY
PROJECT NO. 352G
DATE

INTERIOR ELEVATIONS
8th FLOOR

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

NEW DRAWING FOR 8th FLOOR REVISED ELEVATIONS

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140-A



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CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON, TEXAS

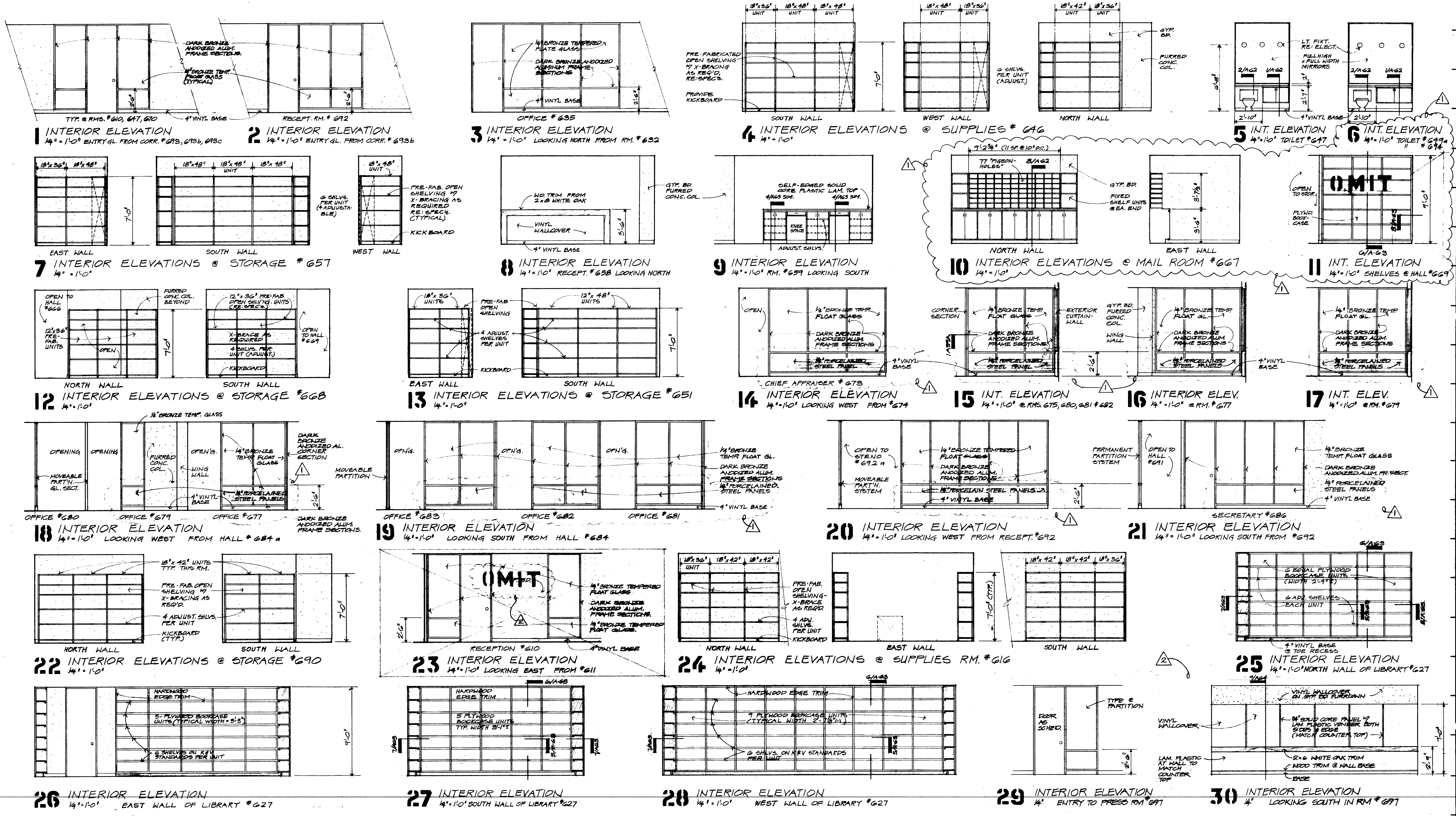
REVISIONS

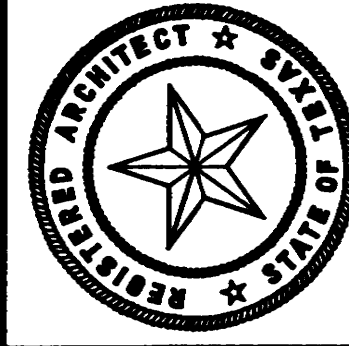
1	10.4.76
2	2/10/77

DRAWN BY M.F.M.
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PROJECT NO. 3506
DATE 7-25-76

INTERIOR ELEVATIONS
5TH FLOOR

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





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WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CONSULTING ENGINEERS
CHENAULT & BRADY

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

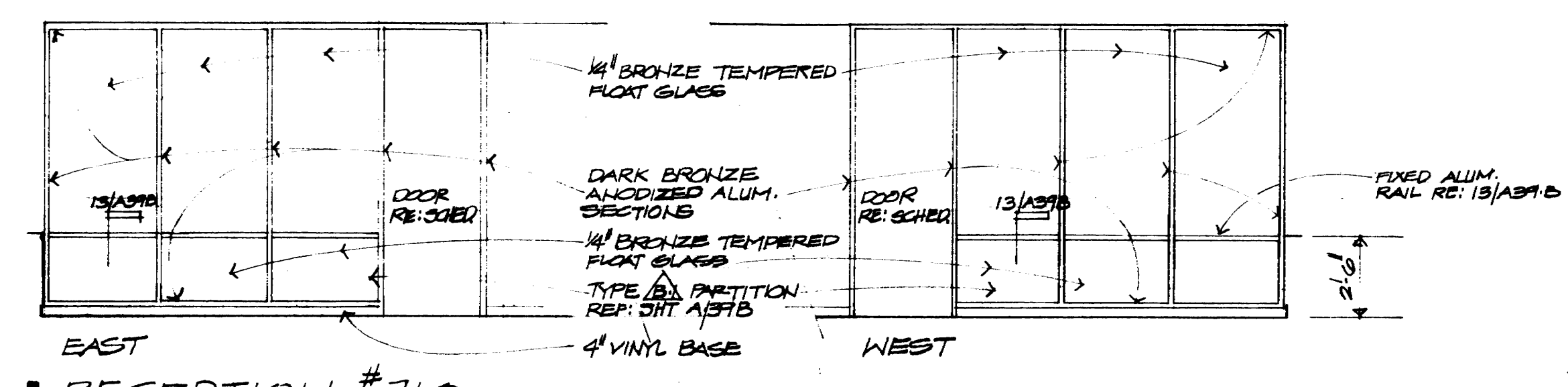
REVISIONS
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CHECKED BY
PROJECT NO. 3506
DATE 8/28/76

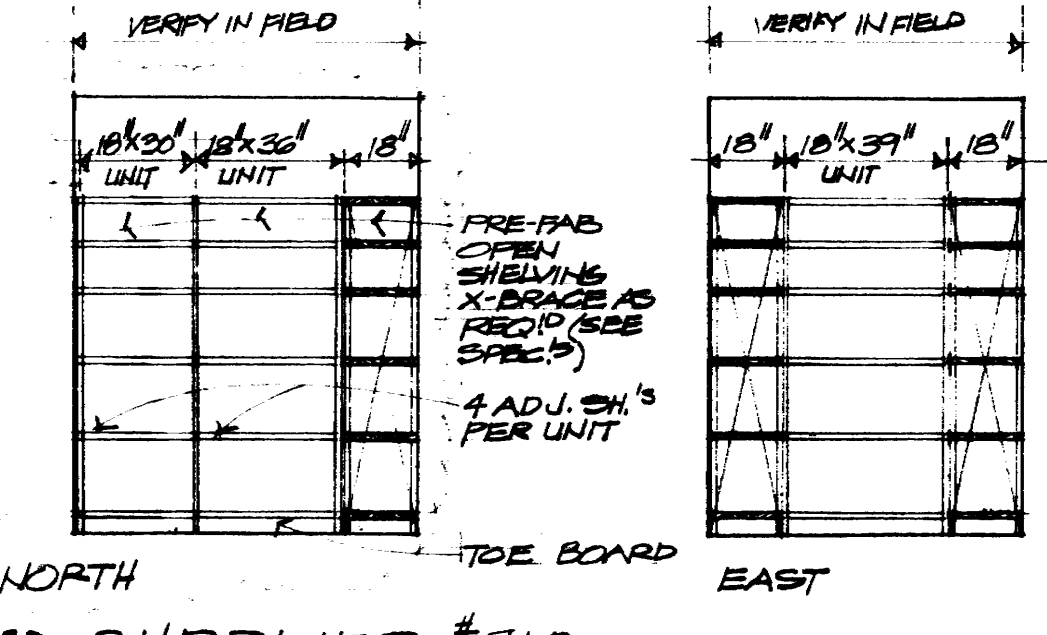
INTERIOR ELEVATIONS
7TH FLOOR

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

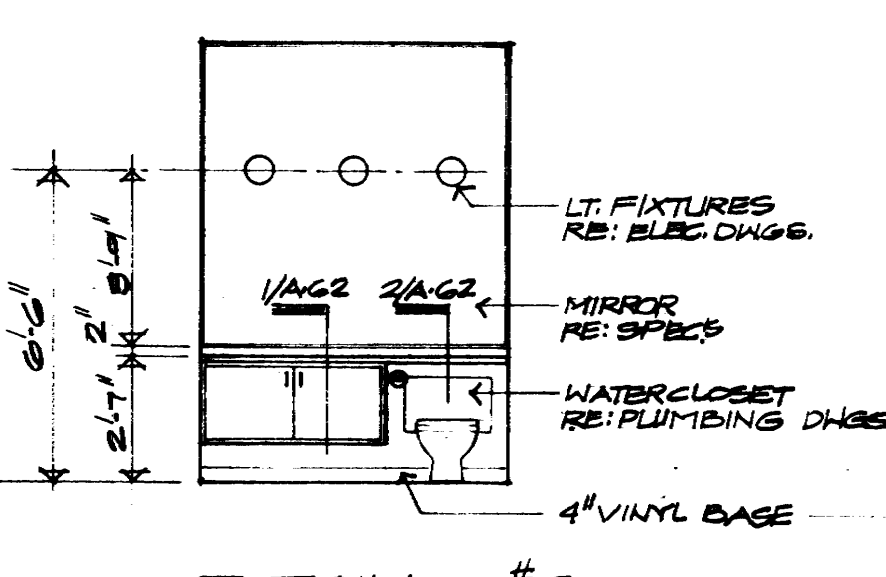
A 141-A



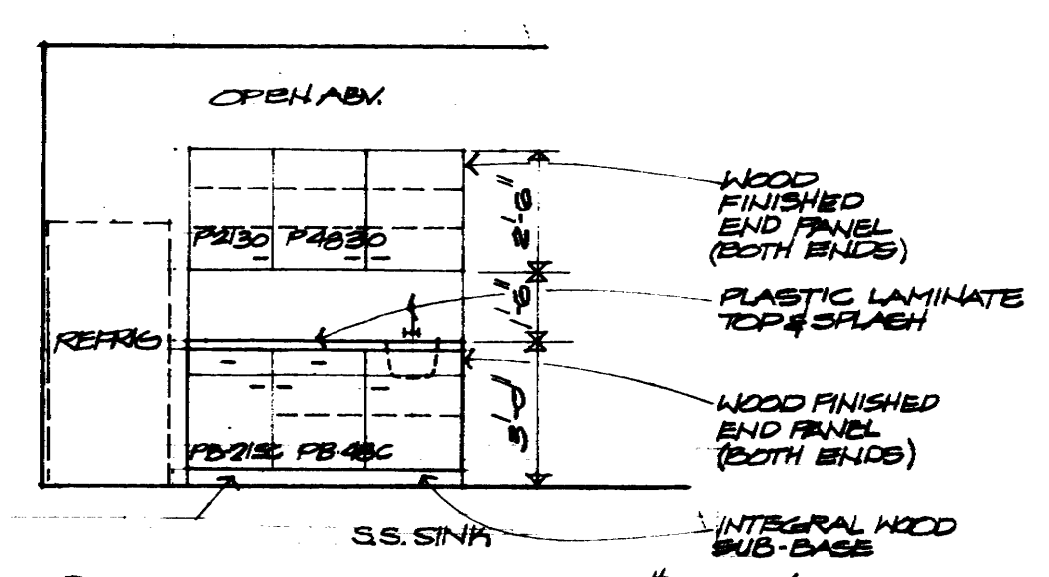
1 RECEPTION #710
1/4" = 1'-0"



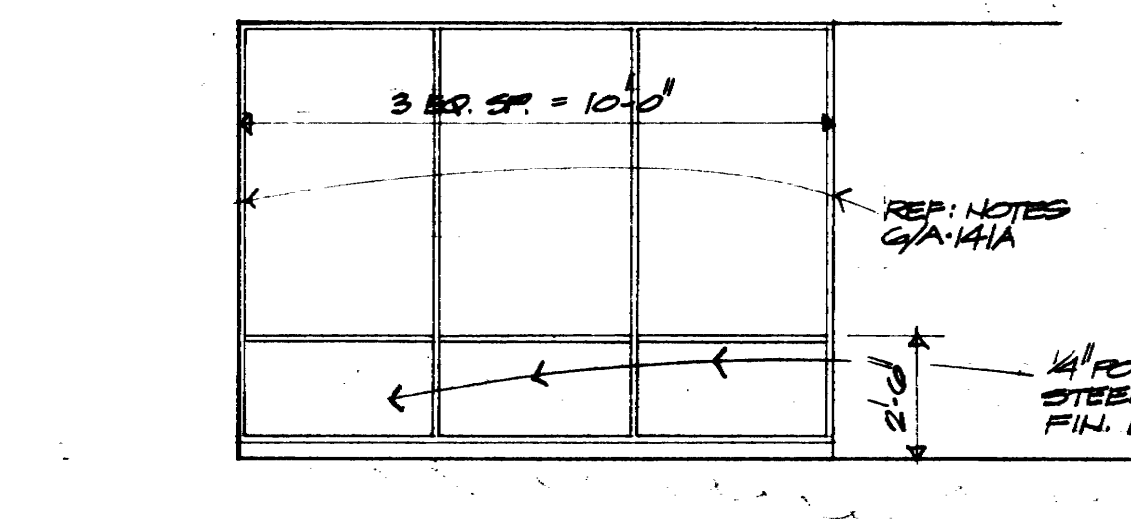
2 SUPPLIES #712
1/4" = 1'-0"



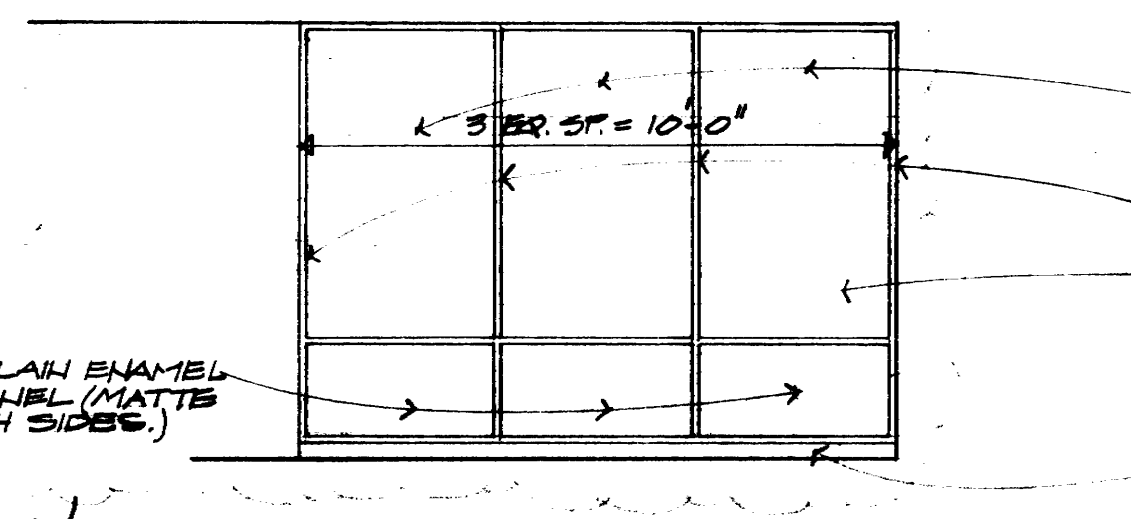
3 TOILET #713
1/4" = 1'-0"



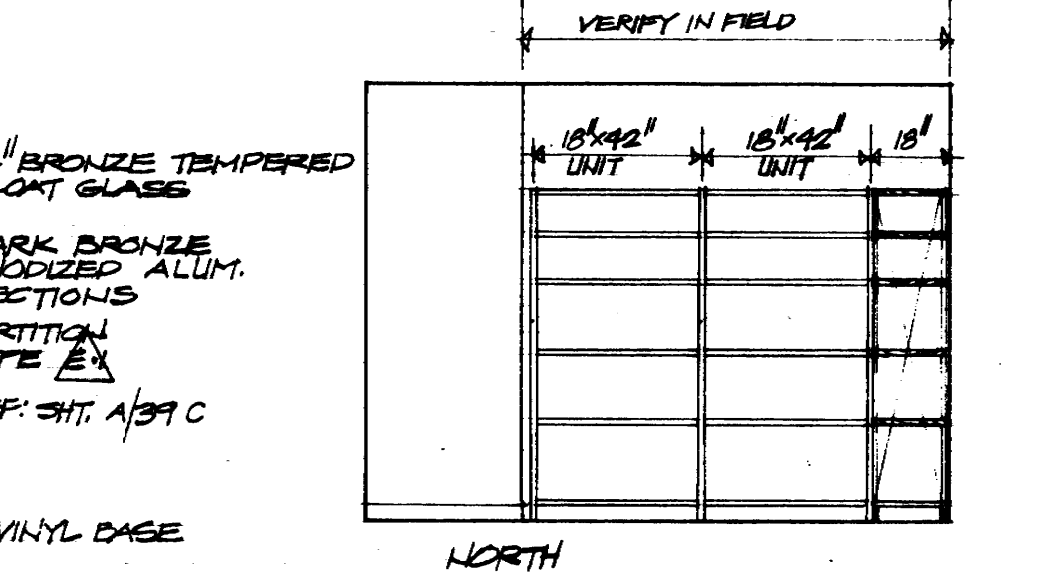
4 COFFEE BAR #724
1/4" = 1'-0"



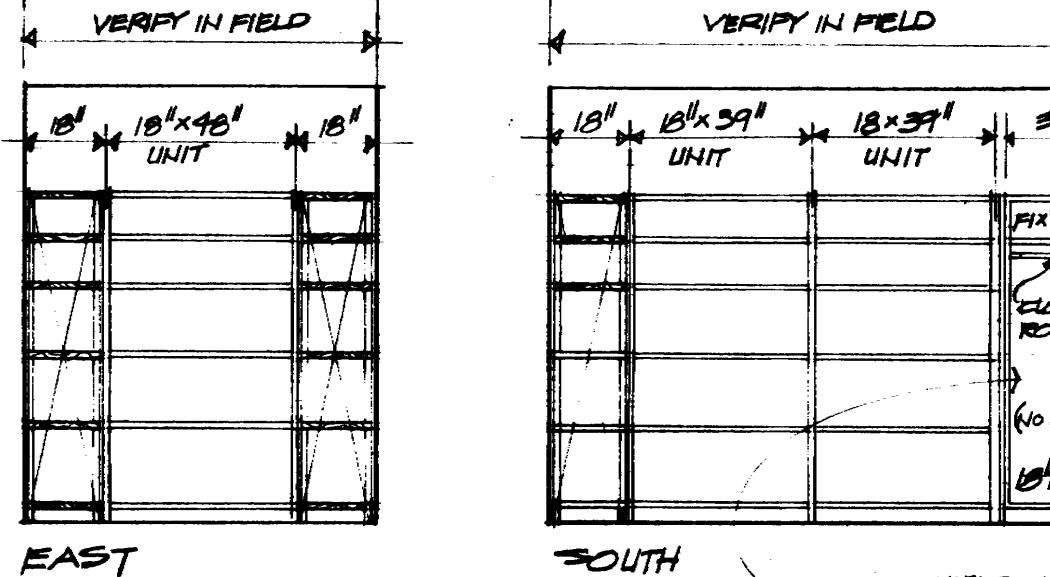
5 ENG. CHIEF #727
1/4" = 1'-0"



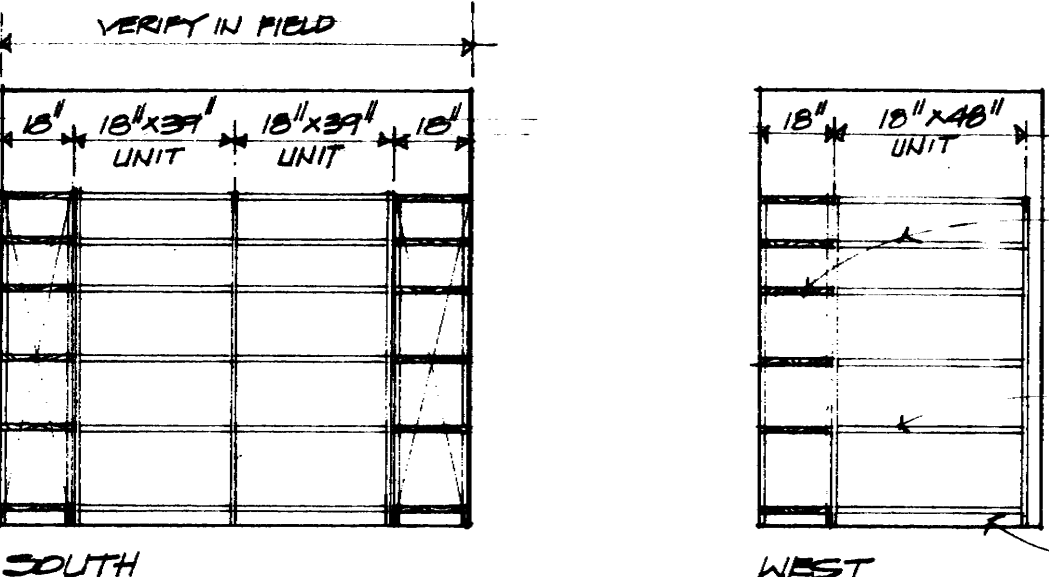
6 ARCH. CHIEF #731
1/4" = 1'-0"



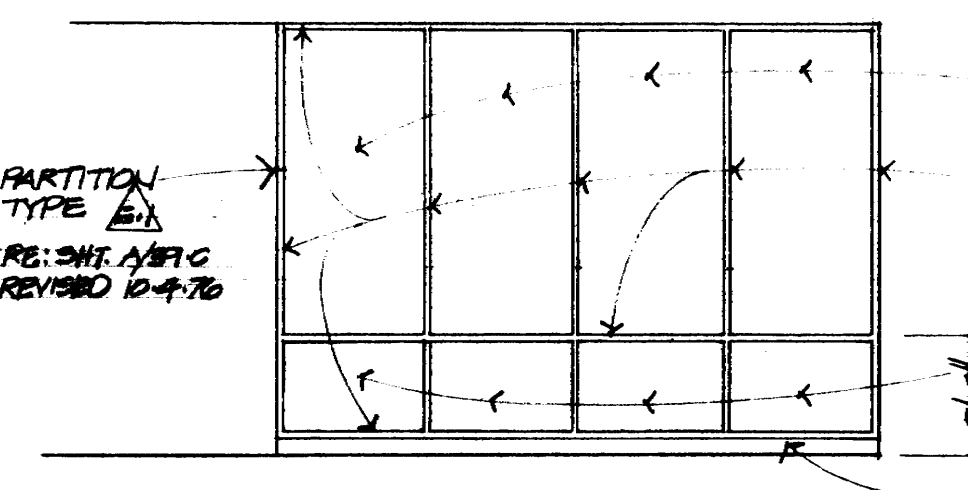
7 SUPPLIES #747
1/4" = 1'-0"



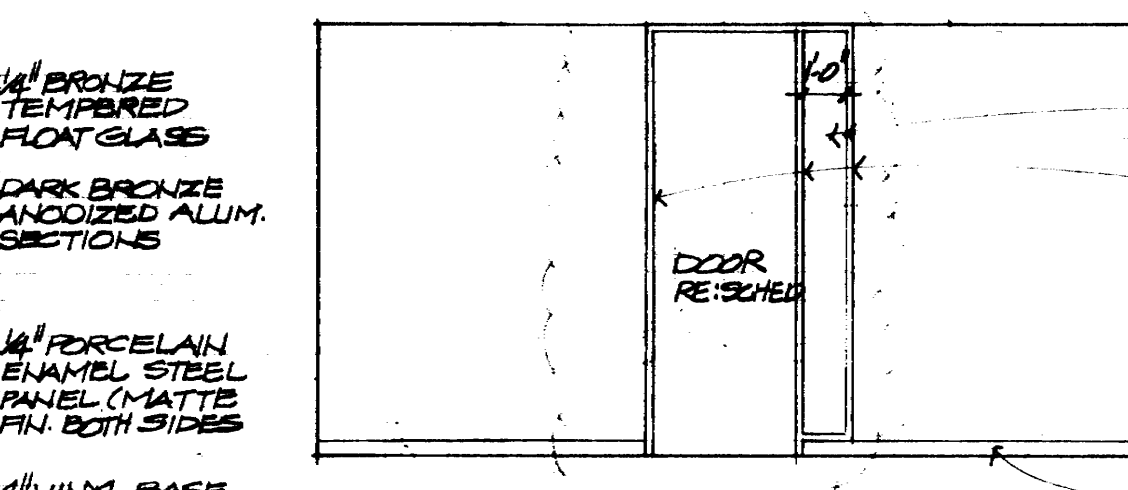
8 SUPPLIES #735
1/4" = 1'-0"



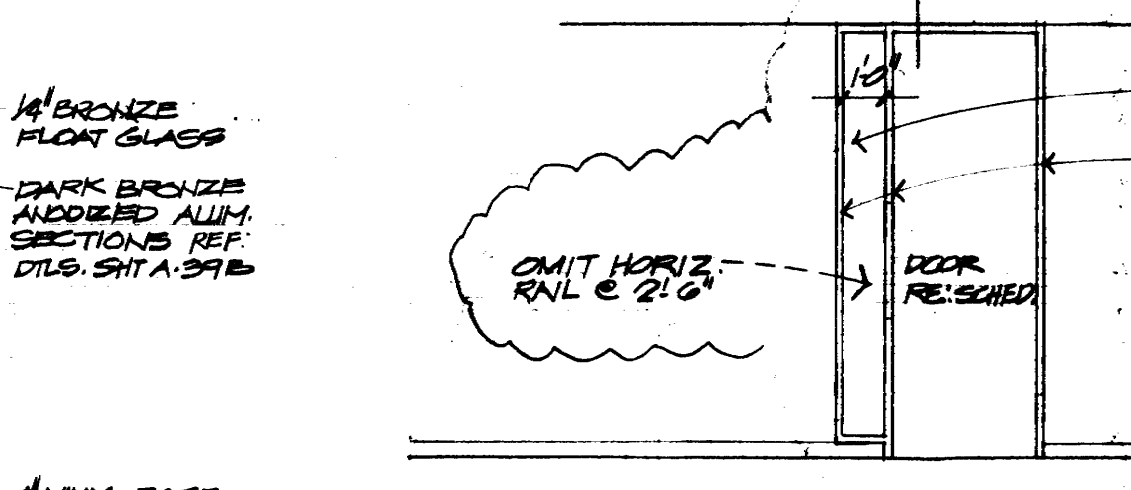
4 COFFEE BAR #724
1/4" = 1'-0"



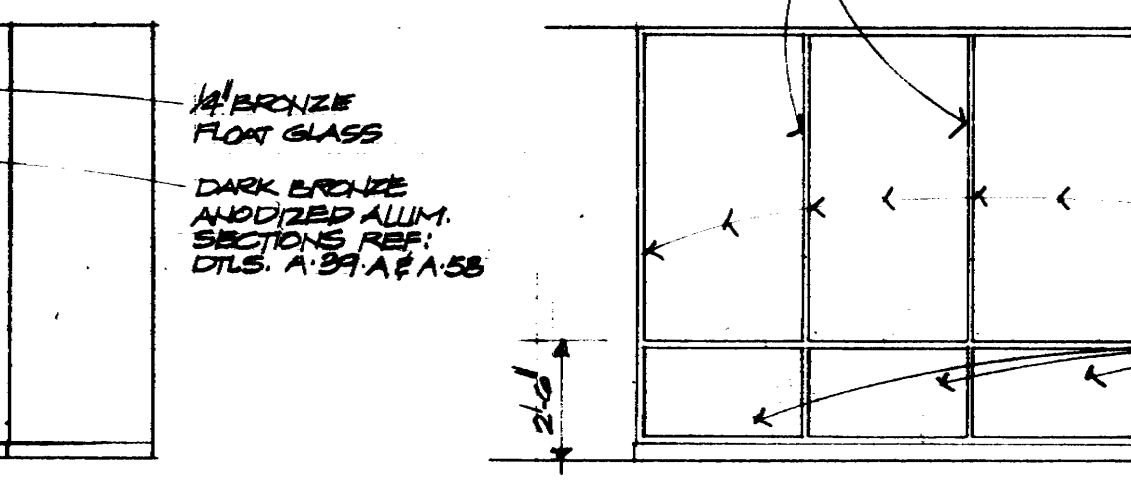
9 SUBDIVISION #741
1/4" = 1'-0"



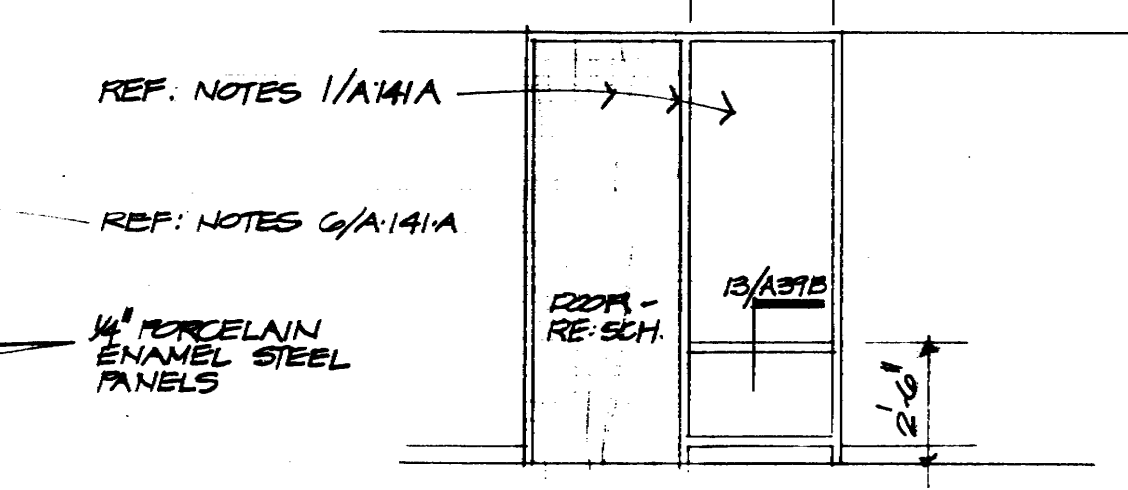
10 PLANS & SPECS #744
1/4" = 1'-0"



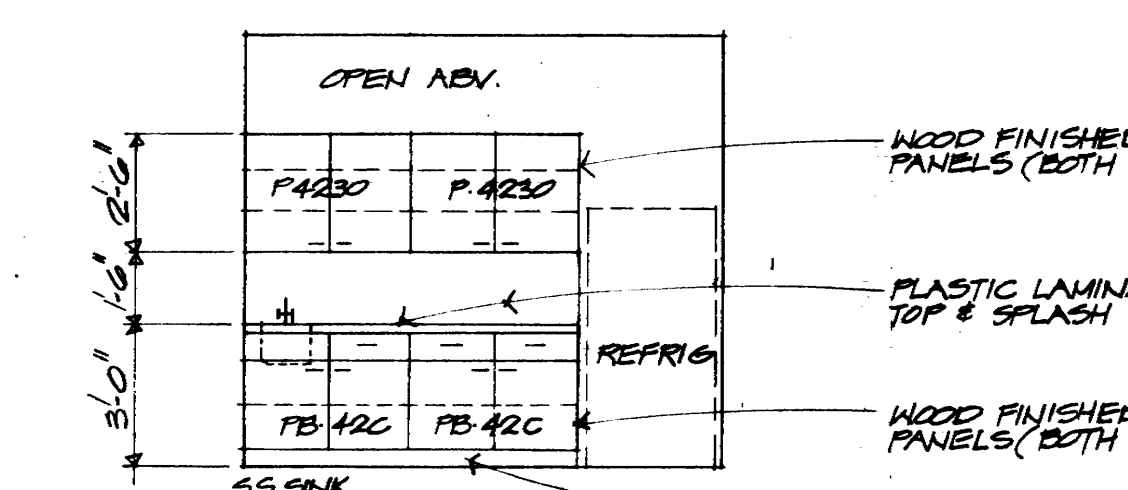
11 CLERKS #745
1/4" = 1'-0"



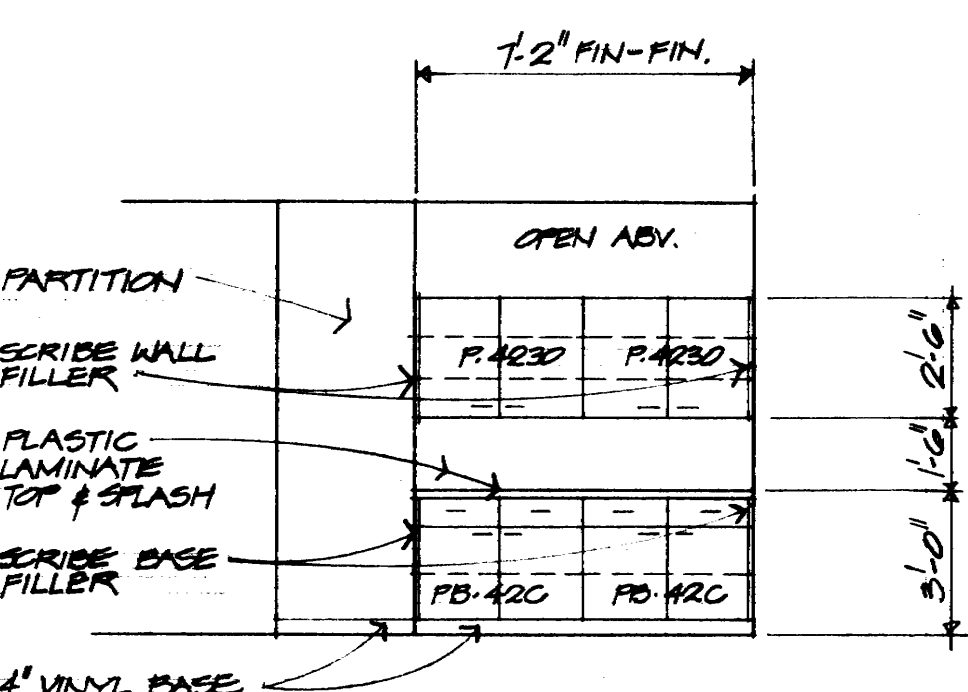
12 CHIEF CLERK #746
1/4" = 1'-0"



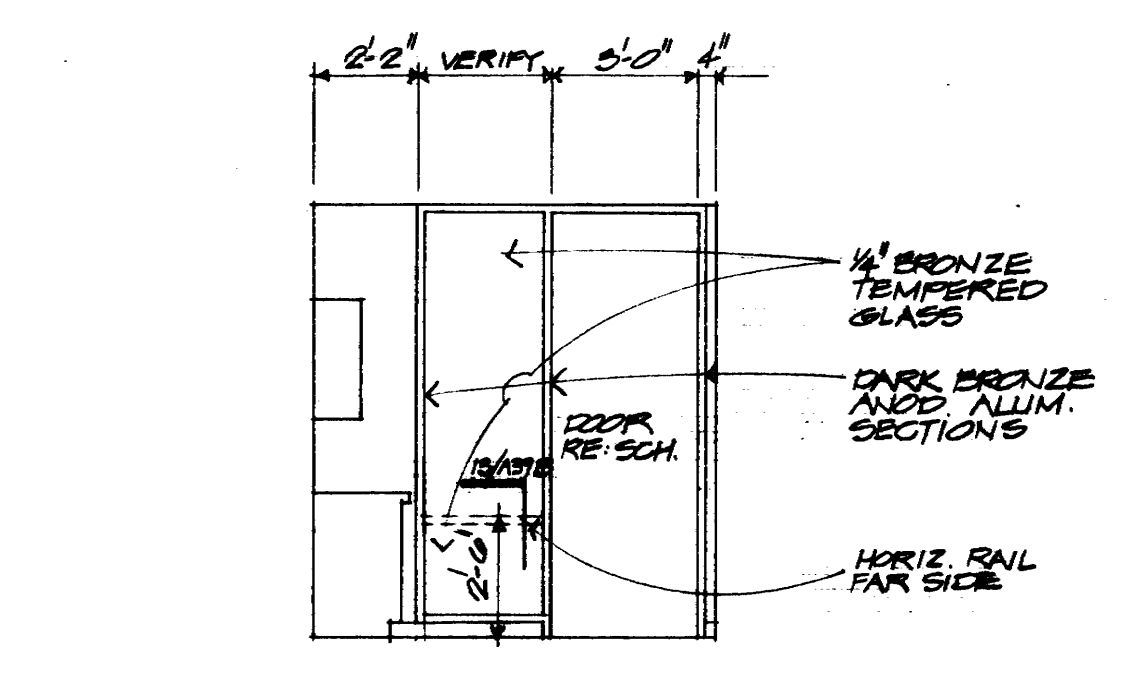
13 INSPECTORS RM. #752



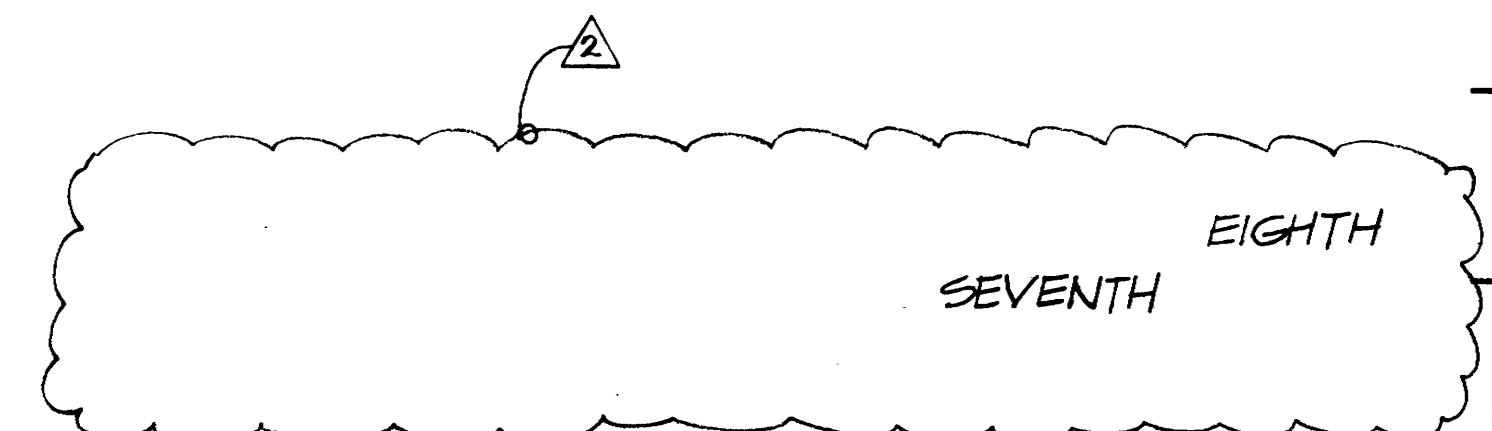
14 COFFEE BAR #756
1/4" = 1'-0"



15 PORT OF HOUSTON #755 CABINET & ENTRY
1/4" = 1'-0"



16 PORT OF HOUSTON #755 ENTRY





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HARRIS COUNTY ADMINISTRATION BUILDING

REVISIONS

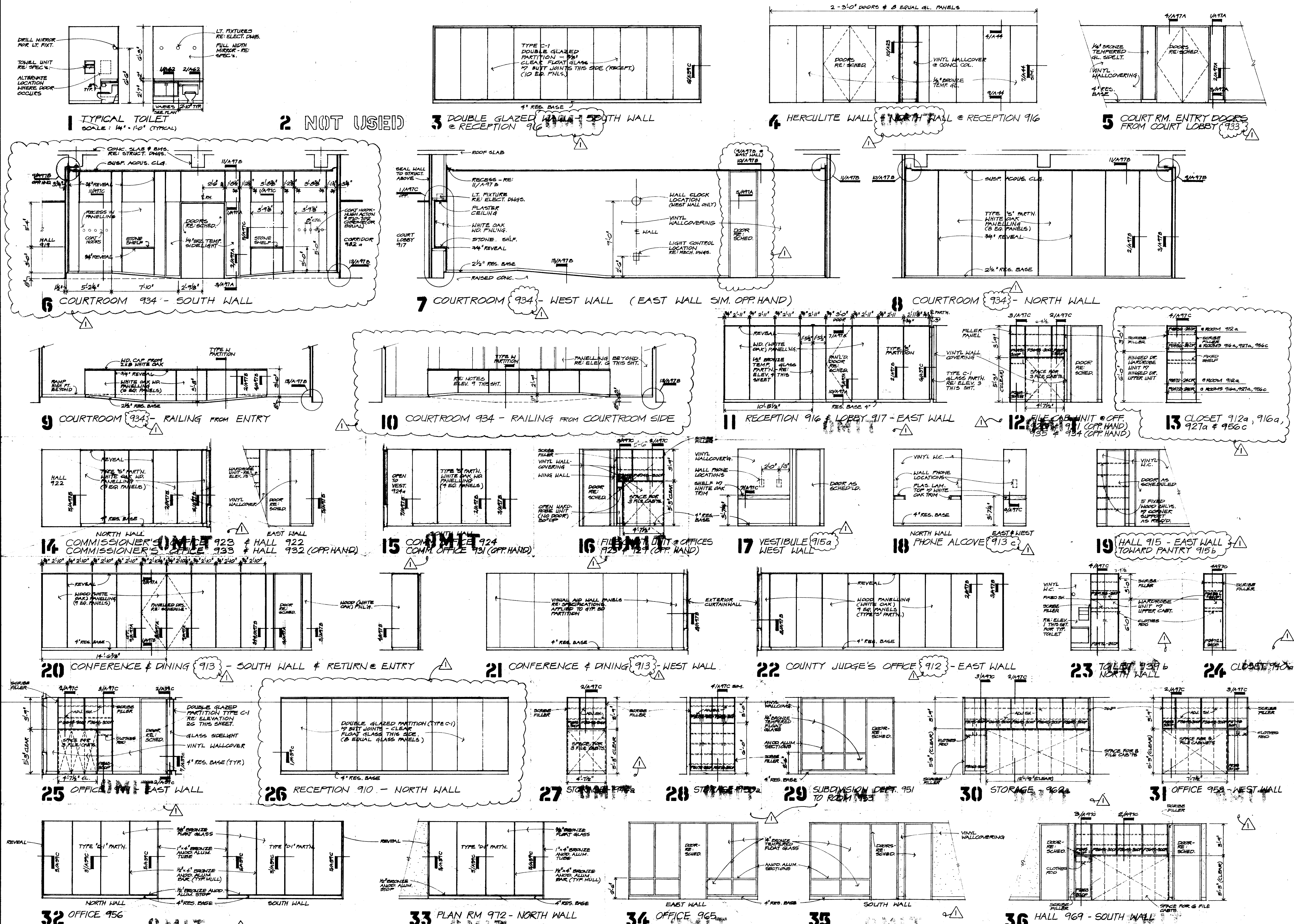
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CHECKED BY
PROJECT NO. 3501
DATE 7-28-77

INTERIOR ELEVATIONS
 9TH FLOOR

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

A 142



OMIT (circled in drawings)



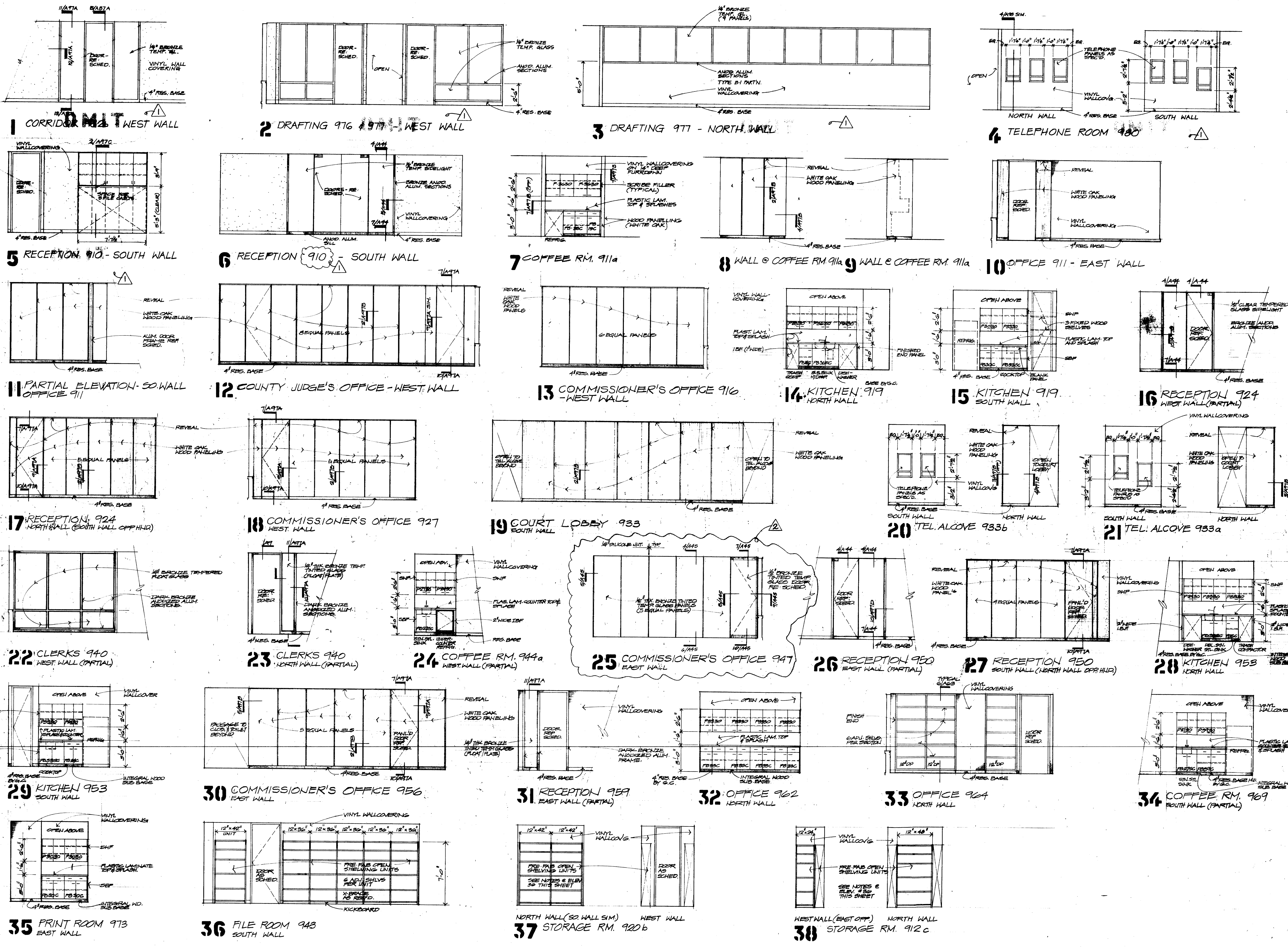
KENNETH BENTSEN ASSOCIATES
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HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON, TEXAS

REVISIONS	
1	5/24/77
2	12/5/77
3	1/28/78
4	2/28/78
5	3/28/78
6	4/28/78
7	5/28/78
8	6/28/78
9	7/28/78
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33	7/28/80
34	8/28/80
35	9/28/80
36	10/28/80
37	11/28/80
38	12/28/80

INTERIOR ELEVATIONS
 9TH FLOOR
 (CONT'D)

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



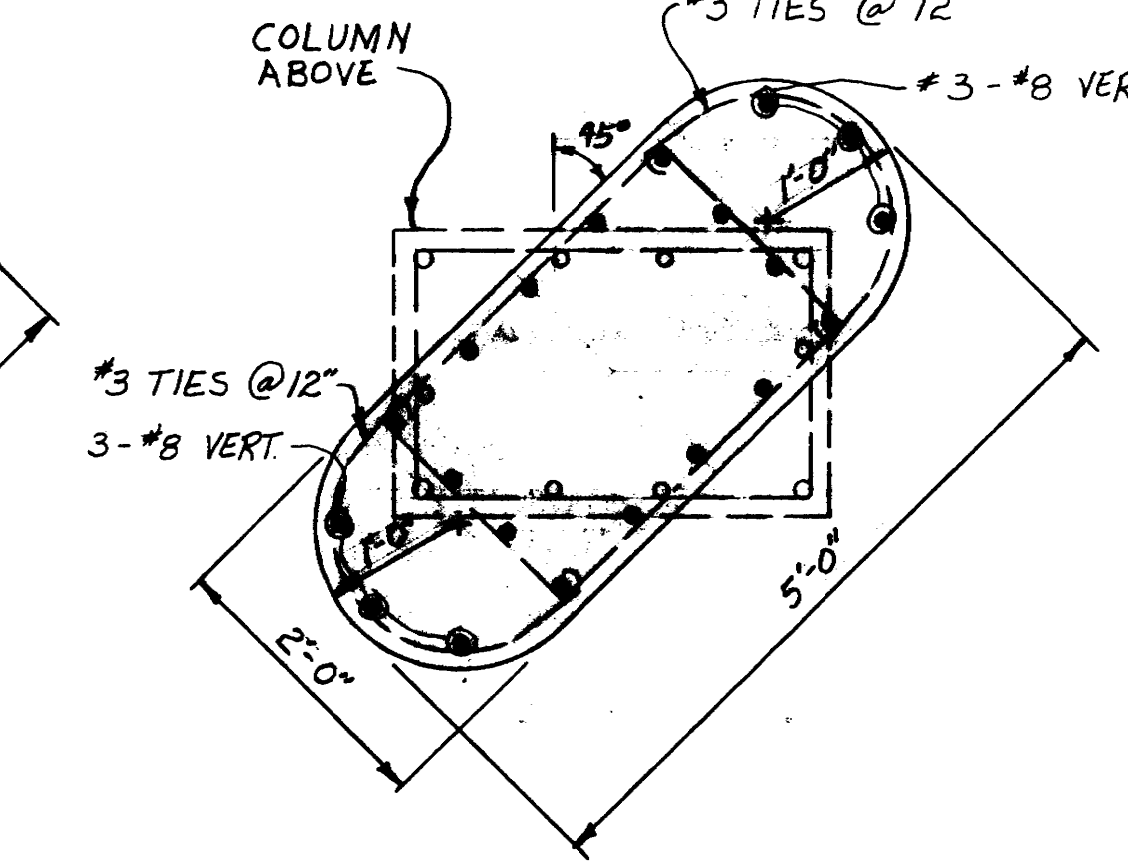
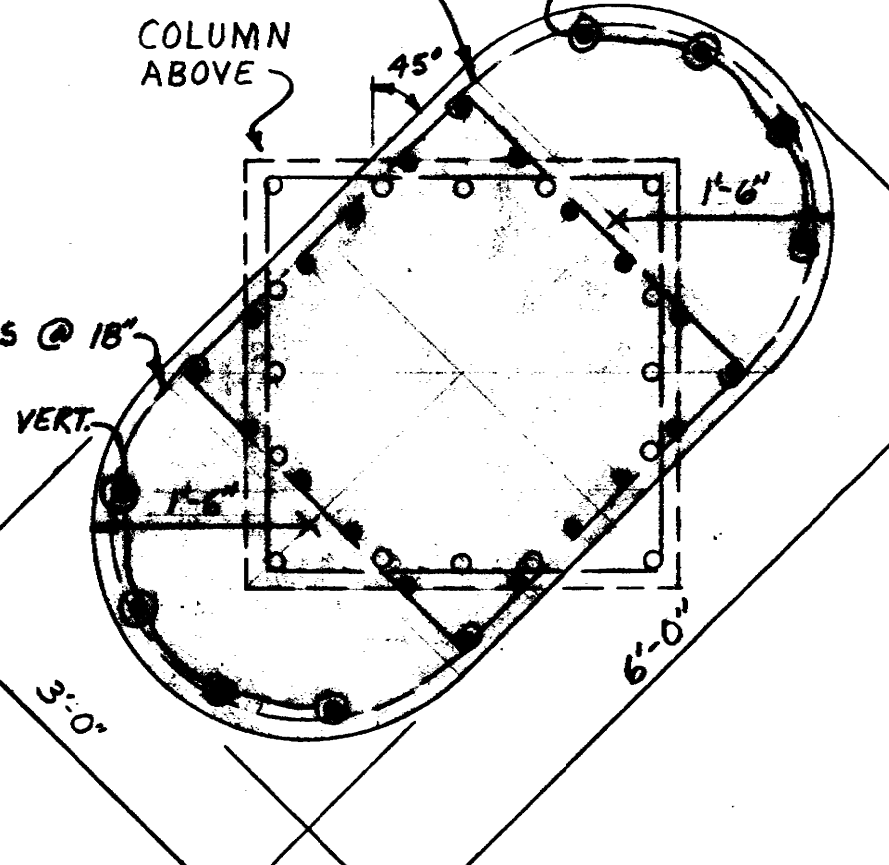
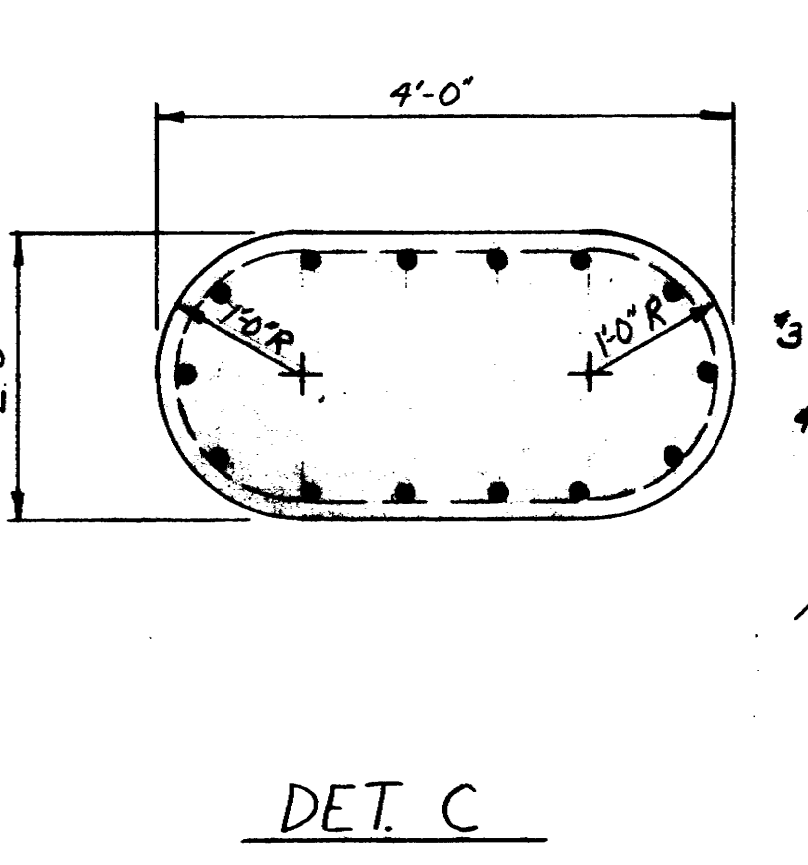
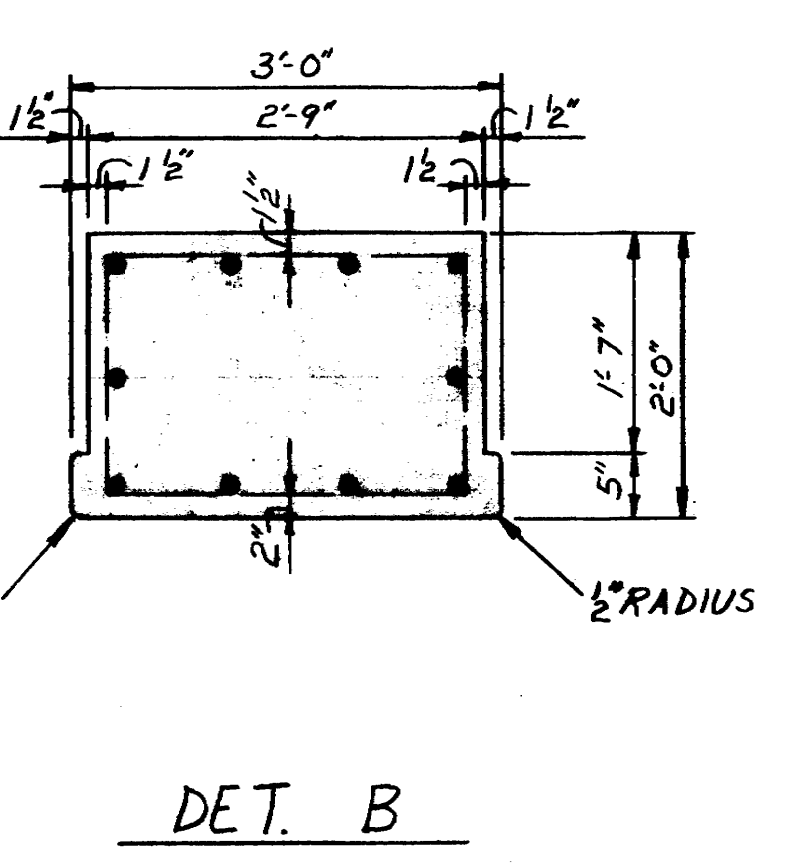
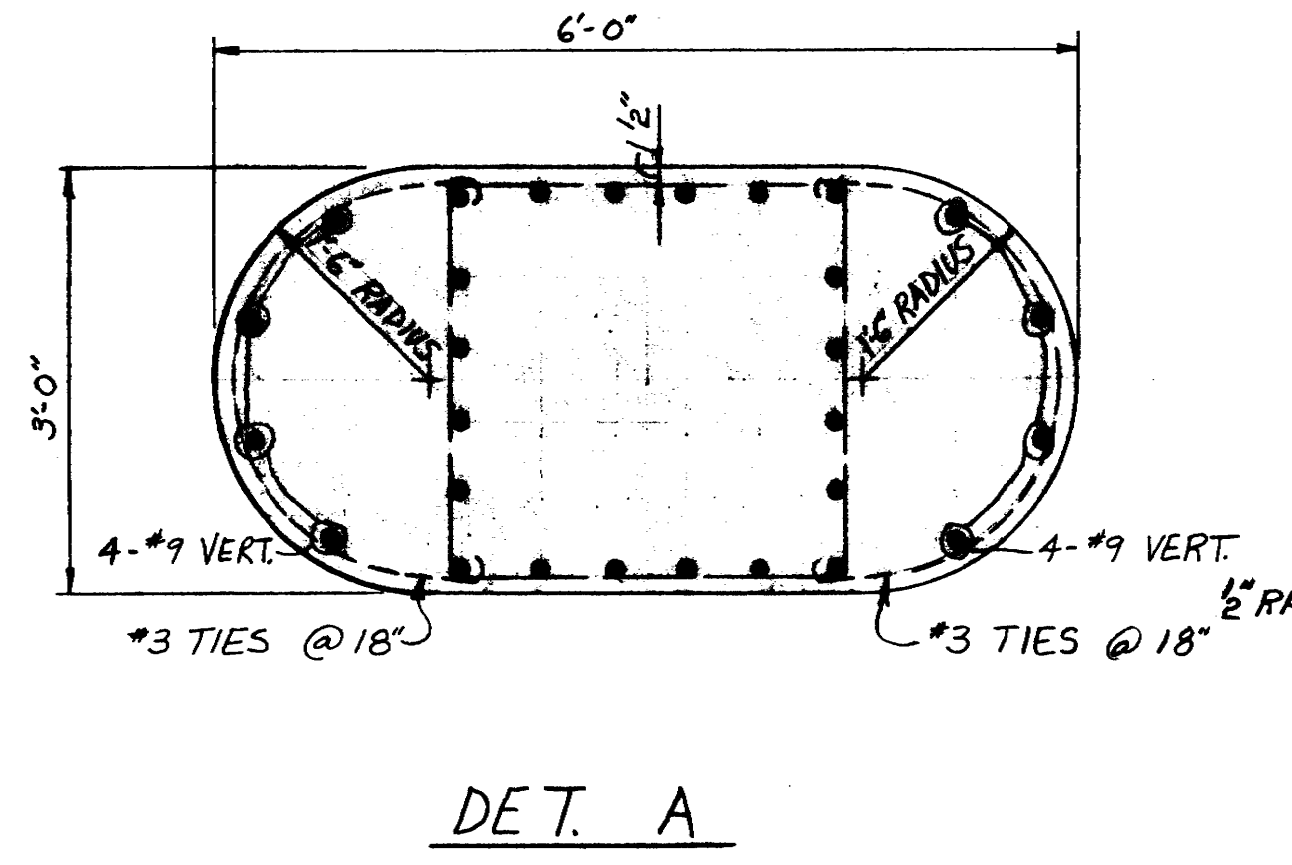
ADD ELEVATIONS 71413 THRU 73143

COLUMN AND FOOTING SCHEDULE

MARK	A1 B1	X2-1 B1-1	A2	X2-2	A3 A4	X2-3 X2-4	A5	X2-5	A6	X2-6	B2	B1-2	B3	B1-3	B4	B1-4	B5	B1-5	B6	B1-6	A1-1	A1-2	A1-3, A1-4	A1-5, A1-6	C1	C2	X1-01 B2-01 X1-61 B2-61	X1-1, X1-2, X1-3, X1-4, X1-5, X1-6, B2-3, B2-4, B2-5, B2-6 (2 COLS)	X1-11, B2-11, B2-41 X1-41	X1-22, B2-22, X1-31, B2-31, B2-32, B2-33	B2-42 X1-42	MARK		
COL. SPTG. ROOF	36 X 36	36 X 36	36 X 36	36 X 36	24" Ø	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	16 X 24	12 X 24	12 X 24	12 X 24	12 X 24	12 X 24	COL. SPTG. ROOF	
COL. SPTG. 9TH FL.	36 X 36	36 X 36	36 X 36	36 X 36	24 X 24	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	16 X 24	12 X 24	12 X 24	12 X 24	12 X 24	12 X 24	COL. SPTG. 9TH FL.	
COL. SPTG. 8TH FL.	36 X 36	36 X 36	36 X 36	36 X 36	30 X 30	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	16 X 24	12 X 24	12 X 24	12 X 24	12 X 24	12 X 24	COL. SPTG. 8TH FL.	
COL. SPTG. 7TH FL.	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	16 X 24	12 X 24	12 X 24	12 X 24	12 X 24	12 X 24	COL. SPTG. 7TH FL.	
COL. SPTG. 6TH FL.	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	16 X 24	12 X 24	12 X 24	12 X 24	12 X 24	12 X 24	COL. SPTG. 6TH FL.	
COL. SPTG. 5TH FL.	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	16 X 24	12 X 24	12 X 24	12 X 24	12 X 24	12 X 24	COL. SPTG. 5TH FL.	
COL. SPTG. 4TH FL.	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	16 X 24	12 X 24	12 X 24	12 X 24	12 X 24	12 X 24	COL. SPTG. 4TH FL.	
COL. SPTG. 3RD FL.	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	16 X 24	12 X 24	12 X 24	12 X 24	12 X 24	12 X 24	COL. SPTG. 3RD FL.	
COL. SPTG. 2ND FL.	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	16 X 24	12 X 24	12 X 24	12 X 24	12 X 24	12 X 24	COL. SPTG. 2ND FL.	
COL. SPTG. 1ST FL.	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	16 X 24	12 X 24	12 X 24	12 X 24	12 X 24	12 X 24	COL. SPTG. 1ST FL.	
PLINTH	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	36 X 36	16 X 24	12 X 24	12 X 24	12 X 24	12 X 24	12 X 24	PLINTH	
FOOTING	30'-0" X 44'-0" X 6'-0"	28'-0" X 45'-0" X 6'-0"	35'-0" X 40'-0" X 6'-0"	28'-0" X 45'-0" X 6'-0"	30'-0" X 44'-0" X 6'-0"	28'-0" X 45'-0" X 6'-0"	30'-0" X 44'-0" X 6'-0"	28'-0" X 45'-0" X 6'-0"	30'-0" X 44'-0" X 6'-0"	28'-0" X 45'-0" X 6'-0"	30'-0" X 44'-0" X 6'-0"	28'-0" X 45'-0" X 6'-0"	30'-0" X 44'-0" X 6'-0"	28'-0" X 45'-0" X 6'-0"	30'-0" X 44'-0" X 6'-0"	28'-0" X 45'-0" X 6'-0"	30'-0" X 44'-0" X 6'-0"	28'-0" X 45'-0" X 6'-0"	30'-0" X 44'-0" X 6'-0"	28'-0" X 45'-0" X 6'-0"	30'-0" X 44'-0" X 6'-0"	28'-0" X 45'-0" X 6'-0"	30'-0" X 44'-0" X 6'-0"	28'-0" X 45'-0" X 6'-0"	30'-0" X 44'-0" X 6'-0"	7'-0" X 7'-0" X 6'-0"	8'-6" X 8'-6" X 6'-0"	13'-6" X 13'-6" X 6'-0"	9'-6" X 9'-6" X 6'-0"	11'-0" X 11'-0" X 6'-0"	11'-0" X 11'-0" X 6'-0"	11'-0" X 11'-0" X 6'-0"	11'-0" X 11'-0" X 6'-0"	FOOTING
	94-#11 X 29'-6" SW 64-#11 X 43'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	38-#5 X 34'-6" SW 33-#5 X 39'-6" LW 106-#7 X 31'-6" SW 53-#7 X 37'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW	78-#11 X 27'-6" SW 58-#11 X 41'-6" LW		

COL. AND FTG. SCHED. (CONT.)

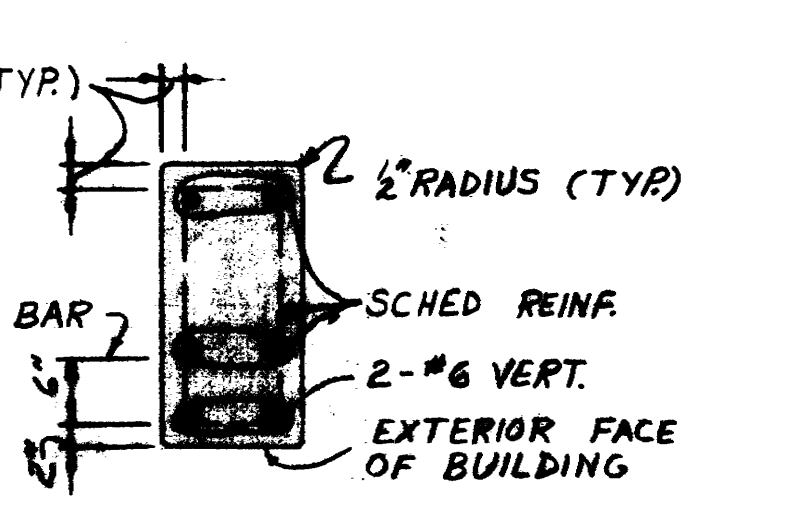
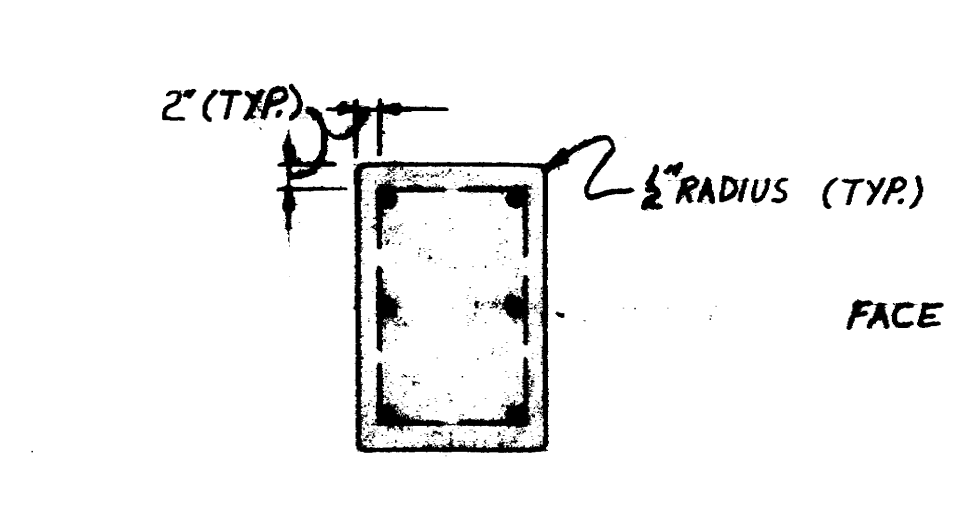
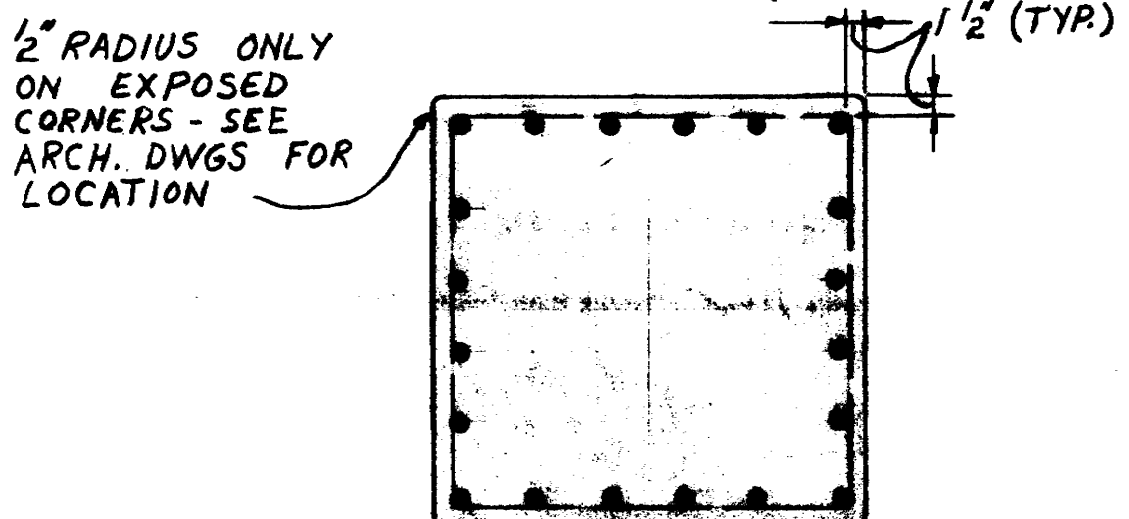
MARK	B2-51 X1-51	B2-52 X1-52	X1-21 B2-21
COL. SPTG. ROOF	12 X 24	12 X 24	12 X 24
COL. SPTG. 9TH FL.	12 X 24	12 X 24	12 X 24
COL. SPTG. 8TH FL.	12 X 24	12 X 24	12 X 24
COL. SPTG. 7TH FL.	12 X 24	12 X 24	12 X 24
COL. SPTG. 6TH FL.	12 X 24	12 X 24	12 X 24
COL. SPTG. 5TH FL.	12 X 24	12 X 24	12 X 24
COL. SPTG. 4TH FL.	12 X 24	12 X 24	12 X 24
COL. SPTG. 3RD FL.	12 X 24	12 X 24	12 X 24
COL. SPTG. 2ND FL.	12 X 24	12 X 24	12 X 24
COL. SPTG. 1ST FL.	12 X 24	12 X 24	12 X 24
PLINTH	12 X 24	12 X 24	12 X 24
FOOTING	12 X 24	12 X 24	12 X 24



MAX. SPACING - COL. TIES

VERT. BAR SIZE	#3	#4
#7	12	-
#8	16	-
#9	18	-
#10	18	-
#11	-	22
#14	-	22
#18	-	22

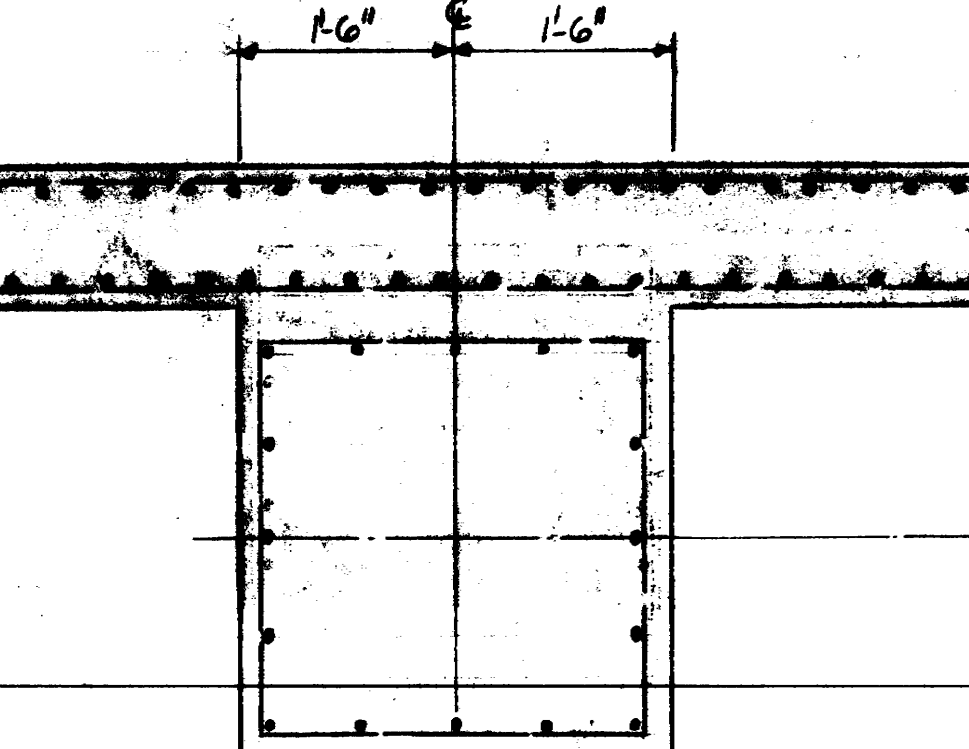
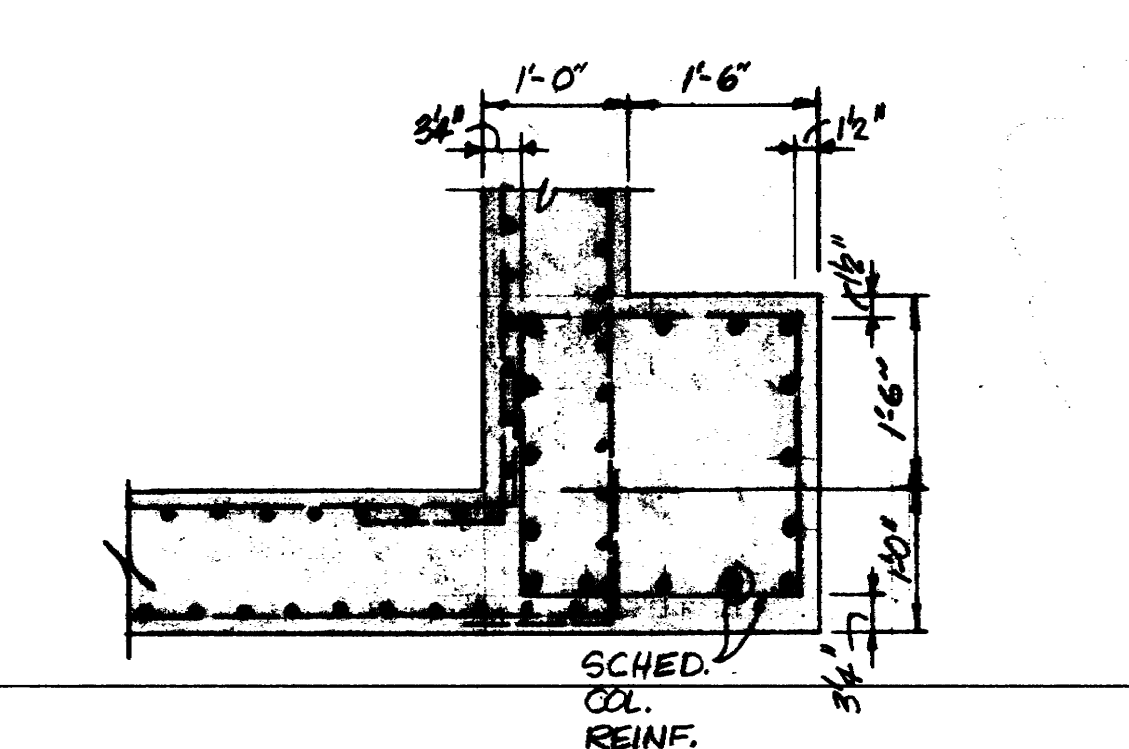
NOTE: MAXIMUM SPACING NOT TO EXCEED LEAST COLUMN DIMENSION



MAJOR INTERIOR COLUMNS (SEE SCHEDULE FOR SIZE)

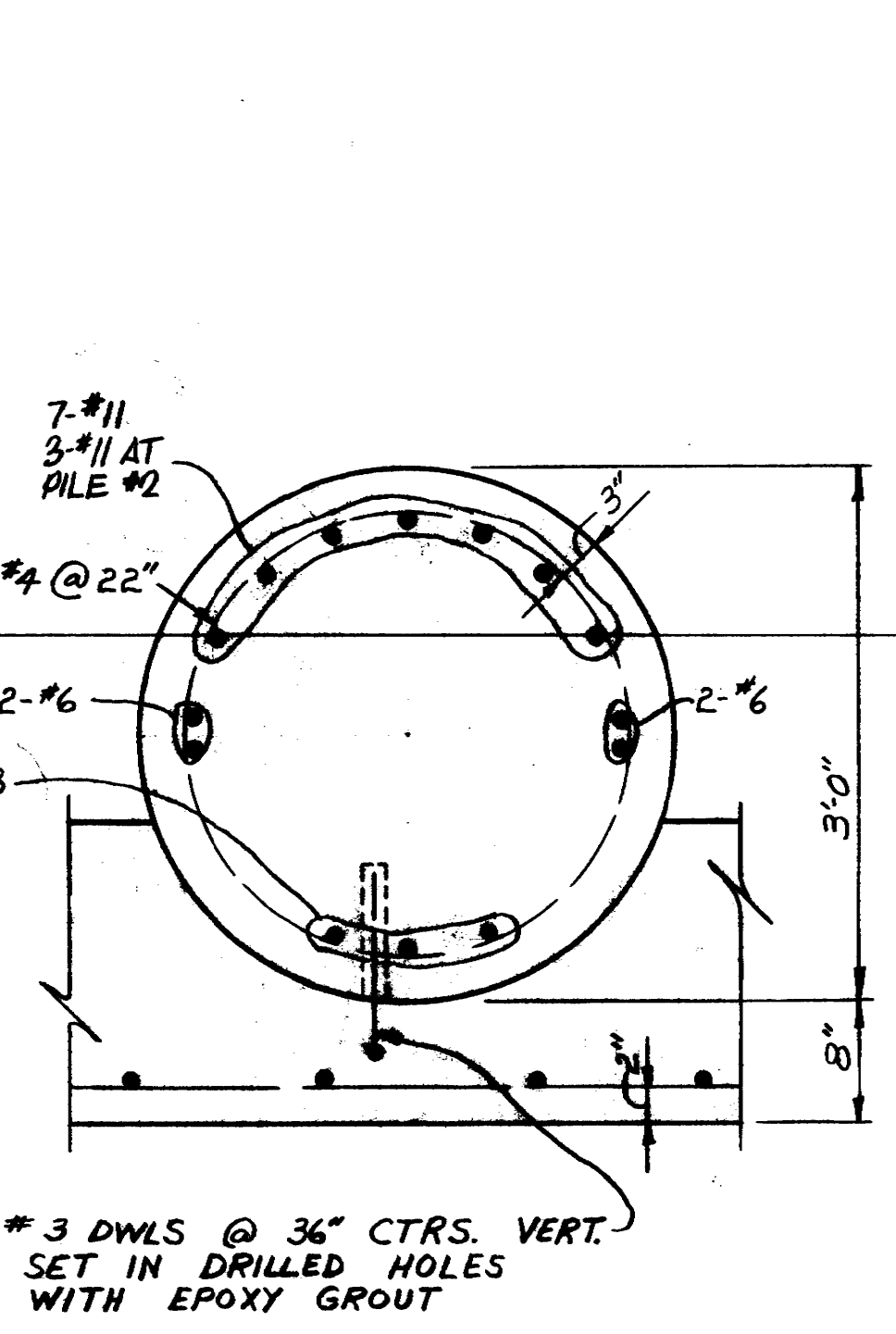
CORNER EXTERIOR COLUMNS (TOWER)

ALL OTHER EXTERIOR COLUMNS (TOWER)



COL. B1-4 AT BASEMENT VAULT

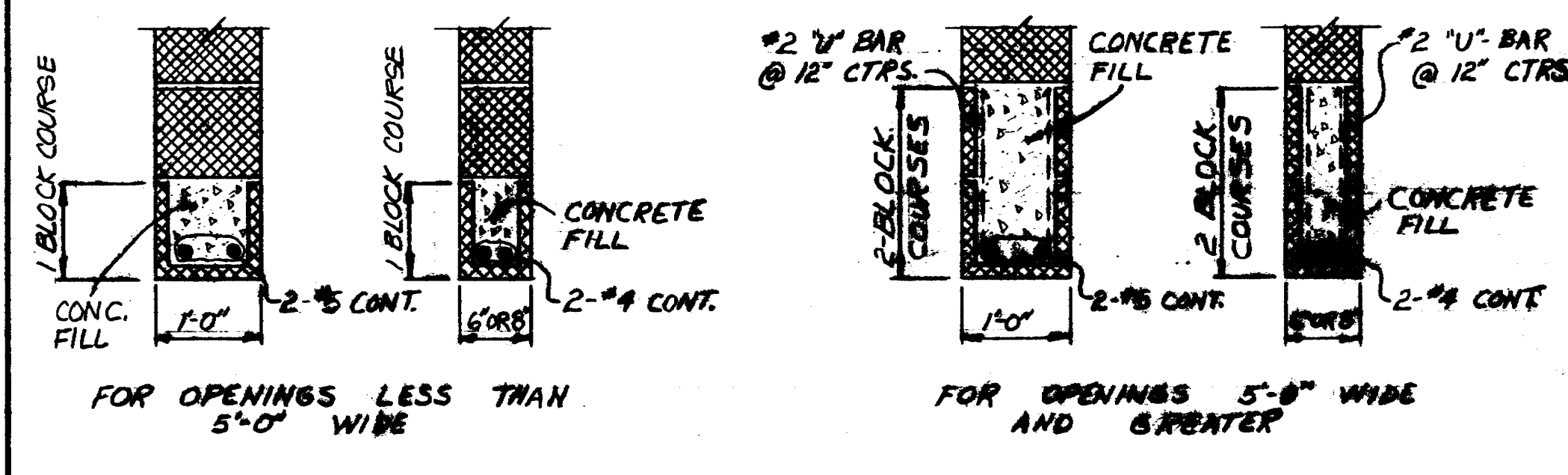
COL. B4 AT 4TH FLOOR VAULT



PILE #1 - (53'-0" MAX. LENGTH) (BOT. ELEV. - 6'-0")
PILE #2 - (40'-0" MAX. LENGTH) (BOT. ELEV. - 7'-0")

NOTE: SEE SHEET S113 FOR ELEVATION OF PILES

△ SOLDIER PILES
SCALE: 1"=10'-0"



TYPICAL BLOCK LINTEL DETAILS
NOTE: PROVIDE BLOCK LINTELS FOR ALL OPENINGS IN INTERIOR CONCRETE BLOCK PARTITIONS, AND IN BLOCK BACK-UP, OR EXTERIOR WALLS, FOR WHICH STEEL LINTELS ARE NOT SCHEDULED. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS. PROVIDE 5" MINIMUM BEARING AT EACH END.

GENERAL NOTES:
CONCRETE FOR BEAMS, STRUCTURAL SLABS, PENTHOUSE WALLS, AND COLUMNS SUPPORTING FOURTH FLOOR THROUGH ROOF SHALL BE LIGHTWEIGHT AGGREGATE CONCRETE AND SHALL TEST 4000 POUNDS PER SQUARE INCH AT 28 DAYS. CONCRETE FOR COLUMNS SUPPORTING SECOND AND THIRD FLOORS SHALL BE LIGHTWEIGHT AGGREGATE CONCRETE AND SHALL TEST 5000 PSI AT 28 DAYS. CONCRETE FOR PLINTHS AND COLUMNS SUPPORTING FIRST FLOOR (INCLUDING VAULT WALLS POURED WITH COLUMNS) SHALL TEST 5000 PSI AT 28 DAYS. CONCRETE FOR SOLDIER PILES SHALL TEST 4000 PSI AT 28 DAYS. CONCRETE FOR SEAL SLABS SHALL TEST 2500 PSI AT 28 DAYS. ALL OTHER CONCRETE SHALL TEST 3000 PSI AT 28 DAYS. ALL CONCRETE DESIGN IS BASED ON ULTIMATE STRENGTH. LIGHTWEIGHT CONCRETE SHALL HAVE EXPANDED CLAY OR SHALE COARSE AGGREGATE (ASTM 310), AND WEIGH NOT MORE THAN 120 POUNDS PER CUBIC FOOT.
ALL REINFORCING STEEL SHALL BE GRADE 60 (#2 AND #3 BARS SHALL BE GRADE 40) AND SHALL CONFORM TO THE ASTM SPECIFICATION A615. DETAILING OF REINFORCING STEEL SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE DETAILING MANUAL. PROVIDE 1-#6 X 41'-0" TOP AND BOTTOM IN EXTERIOR FACE OF SPANNELED BEAMS AT CORNERS. PROVIDE CHAIRS - 2-#4-6" BAR CHAIRS AND SPACERS AT 5'-0" CTRS. FOR ALL BEAMS AND SLABS EXPOSED ALONG PERIMETER OF TOWER ABOVE GRADE. PROVIDE STANDARD BAR CHAIRS AND SPACERS AT 5'-0" CTRS. FOR ALL SLABS AND BEAMS ABOVE GRADE. PROVIDE 3" X 6" X 20 GAUGE SHEET METAL BAR CHAIRS AT 4'-0" MAXIMUM CTRS. EACH WAY FOR ALL TOP REINFORCING FOR SLABS ON GRADE. DEPTH OF CHAIRS SHALL PROVIDE FOR 1" TOP COVER TO REINFORCING. LAP CONTINUOUS UNSCHEDULED REINFORCING BARS AS FOLLOWS: BOTTOM BARS IN MEMBERS SUPPORTED BY COLUMNS OR FOOTINGS - 12" AT SUPPORTS ONLY; ALL OTHERS - 36 BAR DIAMETERS. HORIZONTAL WALL STEEL SHALL BE CONTINUOUS WITH 90° BENDS AND 12" RETURNS ALONG EACH WALL AT CORNERS. LAP CONTINUOUS UNSCHEDULED REINFORCING BARS 36 BAR DIAMETERS AT EACH BUTT SPICES OF COLUMN VERTICAL STEEL SHALL BE STAGGERED. SPLICE APPROXIMATELY ONE-THIRD OF BARS AT EACH OF THREE SPLICE POINTS LOCATED WITHIN THE MIDDLE HALF OF THE CLEAR COLUMN HEIGHT. MINIMUM DISTANCE BETWEEN SPLICE POINTS SHALL BE 2'-6". PROVIDE #1 AT 12" CTRS. TEMPERATURE BARS AT RIGHT ANGLES TO MAIN BARS FOR ALL SOLID SLABS ABOVE GRADE UNLESS OTHERWISE NOTED. REINFORCING STEEL COVERAGE SHALL BE AS FOLLOWS EXCEPT AS NOTED ON DETAILS TO ARCHITECTURAL CONCRETE STANDARDS: COLUMNS - 1 1/2"; SLABS ABOVE GRADE - 3/4"; BEAMS ABOVE GRADE - 1 1/2"; FOOTINGS - 3"; SOLDIER PILES - 3". FOOTINGS AND CAPS SHALL BE POURED MONOLITHIC. EXCAVATION FOR FOOTINGS SHALL BE NEAT. FOOTINGS SHALL BE POURED IMMEDIATELY AFTER EXCAVATION.
THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE FLOORS. ALL CONSTRUCTION JOINTS SHALL BE MADE IN THE CENTER OF SPANS WITH VERTICAL BULKHEADS. THE LOCATION OF CONSTRUCTION JOINTS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS SHALL BE SPECIFIED BY THE ENGINEER.
FIRST FLOOR AND TUNNEL CONSTRUCTION SHALL BE COMPLETED BEFORE BACKFILLING AT BASEMENT WALLS IS BEGUN.
PRINCIPAL OPENINGS THROUGH THE FRAMING ARE SHOWN ON THESE DRAWINGS. THE GENERAL CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR REQUIRED OPENINGS AS HE SHALL PROVIDE FOR ALL OPENINGS WHETHER SHOWN ON THESE DRAWINGS OR NOT, AND SHALL VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL CONTRACTOR. NOMINAL PIPE SLEEVES THROUGH THE SLABS WILL NOT REQUIRE FRAMING UNLESS THE OPENING EXCEEDS 10" IN DIAMETER.
SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, SLOPES, AND THE LOCATION OF DEPRESSED FLOOR AREAS.
THE CONTRACTOR SHALL COMPARE STRUCTURAL SECTIONS WITH ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS.
VERIFY ALL DIMENSIONS AND CONDITIONS OF EXISTING BUILDINGS AT THE JOB SITE.



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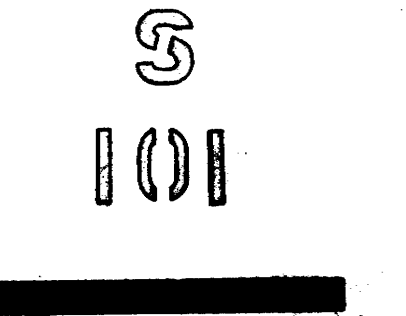
HARRIS COUNTY
ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

1	10-10-75	FILE REVISION
2	10-9-76	5th FLOOR PLAN
3	10-4-76	11th FLOOR PLAN

COLUMN & FOOTING SCHEDULE GENERAL NOTES

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



SCHEDULES												
MARK	SIZE		REINFORCING STEEL				STIRRUPS OR REMARKS					
	W"	D"	TOP	TOP	TOP	BOT.	BOT.	NO.	SIZE	TYPE	SPACING	EA. END
FIRST FLOOR BEAMS												
1B1	16	36	3-#7			2-#9	3-#9	34	#3	S1	5/14e11/2e33/	
1B2	8	36	2-#9				4-#10	28	#4	S1	6/6e12/5e14/2e33/	
1B3	8	18	2-#5				2-#5	4	#3	S1	6/27/	
1B4	8	18	2-#5				2-#5	4	#3	S1	6/28/	
1B5	8	18	2-#5				2-#5	12	#3	S1	4/4e8/2/	
1B6	8	18	2-#5				2-#5	4	#3	S2	6/26/	
1B7	8	18	2-#5				2-#5	14	#3	S1	4/6e8/	
1B8	8	18	2-#5				2-#6	18	#3	S1	4/8e8/	
1B9	8	18	2-#5				2-#5	14	#3	S1	4/6e8/	
1B10	8	18	2-#5				2-#5	4	#3	S2	6/28/	
1B11	8	18	2-#5				2-#5	4	#3	S2	6/28/	
1B12	8	18	2-#5				2-#5	4	#3	S2	6/41/	
1B13	12	18	2-#7				2-#5	4	#3	S1	6/46/	
1B14	12	24	2-#9				3-#10	22	#4	S1	4/4e9/6e11/	
1B15	35	24	4-#6				4-#8	4	#3	S1	6/42/	
1B16	8	18	2-#5				2-#5	4	#3	S1	6/28/	
1B17	8	24	2-#5				2-#5	4	#3	S1	6/28/	
1B18	24	36	6-#9				12-#11	52	#4	S1	3/20e7/4e16/42/	
1B19	22	36	5-#11				12-#9	52	#4	S1	3/9e6/9e7/6e8/14/	
1B20	22	36	5-#11				9-#11	62	#4	S1	3/14e5/5e6/19/	
1B21	18	24		6-#9			3-#11	36	#4	S2	3/5e7/3e8/9e11/	
1B22	21	24		8-#11			3-#11	40	#4	S3	3/9e7/10e11/	
1B23	18	24		3-#6			2-#8	20	#3	S2	4/9e9/	
1B24	18	24		4-#10			3-#10	32	#4	S2	4/4e9/11e10/	
1B25	28	36	5-#11				3-#11	44	#4	S1	3/8e7/10e10/2e6/29/	
1B26	28	36	7-#11				4-#11	56	#4	S1	3/9e5/5e7/2e6/33/	
1B27	28	36		4-#10			3-#11	42	#4	S3	6/14e10/6e12/	
1B28	18	24		6-#9			3-#9	20	#3	S2	4/9e9/	
1B29	20	24		4-#11			3-#11	30	#4	S2	4/5e8/9e11/	
1B30	18	39		3-#10			2-#9	24	#4	S3	6/8e10/3e18/	
1B31	31/2	39		4-#7			2-#8	24	#4	S1	6/11e12/	
1B32	18	39		3-#7			2-#8	18	#4	S2	6/4e13/4e18/	
1B33	18	39		3-#9			2-#9	40	#4	S1	3/15e6/4e12/	
1B34	18	39		3-#8			2-#9	28	#4	S3	4/10e8/3e18/	
1B35	18	36		3-#9			3-#10	24	#4	S1	6/11e12/	
1B36	26	42		5-#9			3-#11	48	#5	S1	3/14e6/8e12/22/	
1B37	24	30		10-#9			12-#10	40	#4	S3	3/7e7/4e9/8e13/	
1B38	20	24		6-#9			2-#11	30	#4	S3	4/4e8/10e10/	
1B39	28	24		10-#9			4-#10	52	#4	S3	3/12e4/6e5/7e10/	
1B40	20	24		6-#10			8-#10	36	#4	S3	3/7e6/10e10/	
1B41	24	24		8-#8			3-#10	42	#4	S3	3/8e5/4e7/8e10/	
1B42	20	24		6-#9			2-#10	34	#4	S3	3/7e7/9e10/	
1B43	43/2	39		8-#10			20-#11	52	#5	S1	4/15e8/8e9/2e22/	
1B44	26	42		4-#9			3-#11	40	#5	S1	3/9e6/7e12/2e19/21/	
1B45	28	48		5-#11			3-#11	32	#4	S3	4/5e12/8e14/2e17/	
1B46	28	48		10-#11			2-#11	50	#4	S3	4/12e8/12e9/	
1B47	28	48		8-#11			2-#11	40	#4	S3	5/10e10/6e11/3e12/	
1B48	28	48		8-#11			2-#10	32	#4	S3	6/5e12/8e14/2e17/	
1B49	28	60		4-#11			3-#10	18	#4	S3	6/8e26/	
1B50	28	48		5-#9			10-#11	52	#5	S1	3/15e6/10e12/	
1B51	24	46		5-#9			8-#11	52	#5	S1	3/15e6/10e12/	
1B52R	16	34		3-#9			3-#11	36	#4	S1	3/12e6/5e12/	
1B53	18	24		6-#7			2-#9	20	#4	S3	6/9e11/	
1B54	24	24		12-#8			6-#11	38	#4	S3	3/7e5/7e6/4e10/	
1B55	18	24		6-#10			3-#9	30	#4	S3	3/5e7/6e8/3e11/	
1B56	18	24		6-#7			3-#8	30	#4	S2	3/6e6/5e8/3e10/	
1B57	8	18		2-#5			2-#5	6	#3	S2	6/2e30/	
1B58	30	50		5-#11			10-#11	56	#4	S3	4/15e7/12e8/	
1B59	24	40		10-#10			2-#10	32	#4	S3	6/4e11/6e12/3e14/2e14/	
1B60	24	38		10-#10			3-#10	38	#4	S3	5/9e10/6e11/3e13/	
1B61	30	38		7-#10			3-#11	32	#4	S3	6/5e12/8e13/2e17/	
1B62	16	46		3-#7			3-#9	16	#3	S1	5/7e10/	
1B63	8	18		2-#5			2-#5	6	#3	S2	6/2e30/	
1B64	18	24		6-#9			1-#11	32	#4	S2	4/4e9/11e10/	
1B65	28	34		5-#9			6-#10	48	#4	S3	3/16e7/5e11/2e13/	
1B66	24	24		3-#8			3-#9	24	#4	S1	5/9e10/2e12/	
1B67	24	24		4-#9			2-#9	58	#5	S1	3/26e6/2e12/	
1B68	42	24		10-#9			4-#11	34	#4	S3	3/8e6/5e8/3e9/	
1B69	24	24		8-#9			3-#11	28	#4	S3	4/5e8/6e9/2e10/	
1B70	24	24		10-#9			9-#10	40	#4	S3	3/6e5/10e6/3e7/	
1B71	8	18		2-#5			2-#7	18	#3	S2	4/8e8/	
1B72	42	24		12-#9			5-#11	26	#5	S3	4/4e8/5e9/3e11/	

SCHEDULES												
MARK	SIZE		REINFORCING STEEL				STIRRUPS OR REMARKS					
	W"	D"	TOP	TOP	TOP	BOT.	BOT.	NO.	SIZE	TYPE	SPACING	EA. END
1B73	18	34 1/2				6-#5	3-#8	6	#3	S2	6/39/39/	
1B74	24	34 1/2				8-#6	4-#8	4	#3	S2	6/42/	
1B75	8	27				2-#5	2-#6	4	#3	S1	6/41/	
1B76	8	40				2-#5	2-#7	2	#3	S1	6/	
1B77	13	24				3-#6	3-#9	22	#3	S1	5/9e11/31/	
1B78	24	24				3-#7	3-#7	8	#3	S1	6/3e41/	
1B79	24	24				3-#7	3-#9	22	#4	S1	5/9e11/27/	
1B80	30	60				4-#10	5-#10	4	#3	S2	6/6/	
1B81	30	60				4-#10	5-#10	6	#3	S2	6/30/30/	
1B82	28	40				5-#9	11-#10	52	#5	S1	3/15e6/10e12/	
1WB1	24	36				5-#11	2-#11	34	#4	S3	6/8e12/5e14/2e14/2e/	
1WB2	24	36				5-#11	5-#11	36	#4	S3	6/9e11/5e13/2e14/2e/	
1WB3	24	36				3-#11	3-#11	28	#3	S3	6/12e16/32/	
1WB4	24	36				3-#11	5-#11	10	#3	S3	6/4e32/	
1WB5	24	36				3-#11	5-#11	6	#3	S3	6/2e48/	
1WB6	24	36				3-#11	5-#11	22	#3	S3	6/8e14/2e30/	
1WB7	24	36				6-#11	5-#11	50	#4	S3	4/21e8/2e16/28/	
1WB8	24	36				4-#11	5-#11	24	#3	S3	6/10e13/37/	
1WB9	24	36				3-#11	8-#11	6	#3	S3	6/2e48/	
1WB10	24	36				4-#11	5-#11	26	#3	S3	6/6e12/5e13/33/	

SCHEDULES					
MARK	TH.	REINFORCING STEEL			REMARKS
		D"	TOP	BOT.	
PLAZA AND FIRST FLOOR SLABS					
1S1	5		#4e16	#5e11	#5e12
1S2	5		#4e16	#5e12	#4e11
1S3	5		#4e16	#5e12	#4e12
1S4	10		#5e12	#6e12	#5e12
1S5	5		#4e16	#5e12	#5e12
1S6	5		#4e16	#4e10	#4e12
1S7	5		#4e16	#4e12	#4e12
1S8	5		#4e16	#5e12	#5e12
1S9	5		#3e12	#3e12	#3e12
1S10	5		#4e16	#4e10	#4e10
1S11	5		#5e11	#4e10	#4e10
1S12	9		#5e12	#7e10	#7e12
1S13	9		#6e12	#6e12	#6e12
1S14	9		#7e12	#6e12	#6e12
1S15	9		#5e12	#7e8	#7e8
1S16	8		#4e10	#7e11	#6e10
1S17	8		#4e10	#6e10	#6e10
1S18	8		#4e10	#5e10	#5e10
1S19	8		#6e10	#6e12	#6e12
1S20	8		#4e12	#5e12	#5e12
1S21	8		#5e12	#7e10	#7e10
1S22	9		#4e12	#6e11	#6e11
1S23	8		#4e12	#4e12	#4e12

SCHEDULE S

MARK	SIZE		REINFORCING STEEL				STIRRUPS OR REMARKS			
	W"	D"	TOP	TOP	TOP	BOT.	NO.	SIZE	TYPE	SPACING EA. END

PENTHOUSE ROOF BEAMS

PRB1	12	30		4-#7		1-#9	2-#10	26	#3	S2	4/12@13/
PRB2	12	30		4-#7		1-#10	2-#10	26	#3	S2	4/12@13/
PRB3	12	30		4-#8		1-#11	2-#11	28	#3	S2	4/13@13/
PRB4	12	32 1/2	2-#6				2-#7		#3	S1	12" CTRS. MAX.

PENTHOUSE FLOOR BEAMS

PB1	8	7 1/2	2-#5				2-#5	4	#3	S1	6/26/
PB2	8	22	2-#5				2-#5	6	#3	S1	6/28/28/
PB3	8	7 1/2	2-#5				2-#5		#3	S1	3" CTRS. MAX.
PB4	8	7 1/2	2-#7			1-#11	2-#10	20	#3	S1	6/18@22/40/
PB5	8	22	2-#5				2-#5	6	#3	S1	6/26/26/

ROOF BEAMS

RB1R	10	7 1/2	2-#10				3-#8		#3	S1	12" CTRS. MAX.
RB2R	12	48	2-#9				2-#9		#3	S1	12" CTRS. MAX.
RB3	12	48	2-#9		1-#11		2-#9		#3	S1	12" CTRS. MAX.
RB4	12	48	2-#9			2-#11	2-#11		#3	S1	12" CTRS. MAX.
RB11	24	36		4-#10		3-#11	4-#11	28	#4	S2	6/13@12/
RB15	20	48	3-#8			2-#11	4-#11	34	#4	S1	5/18@10/7@16/30/
RB16	20	48	3-#8			3-#9	4-#10	30	#4	S1	6/7@13/6@16/30/
RB17	8	36	2-#5				2-#10	24	#3	S1	6/18@16/2@37/
RB18	8	24	2-#5				2-#5	4	#3	S1	6/21/
RB20	8	15	2-#5				2-#5	4	#3	S1	6/29/
RB21	24	36	3-#10				11-#11	48	#4	S1	2-5@5/5/10@11/6@27/3@34/
RB22	26	36	3-#10				14-#11	54	#4	S1	2-5@5/5/10@11/6@27/3@34/
RB25	18	36	4-#6				2-#9		#4	S1	6/4@12/
RB26	24	36	3-#6				3-#9	6	#3	S2	6/30/30/
RB27	20	36	5-#11				3-#9	6	#3	S2	6/30/30/
RB28	28	48	5-#11		5-#11		6-#11	52	#5	S1	2/15@5/3@12/12@14/
RB29	28	36	5-#11				3-#9	4	#3	S1	6/32/
RB30	24	36	3-#6				3-#9	4	#3	S1	6/30/
RB31	12	48	2-#5				2-#9		#3	S1	12" CTRS. MAX.
RB32	12	47 1/2	2-#7				2-#9		#3	S1	12" CTRS. MAX.
RB33	12	47 1/2	2-#5				2-#9		#3	S1	12" CTRS. MAX.
RB34	24	36	4-#6				3-#9	4	#3	S1	6/30/
RB35	12	24	2-#5				2-#6	4	#3	S2	6/32/
RB36	12	24	2-#5				2-#6	4	#3	S2	6/20/
RB40	8	24	2-#5				2-#5	6	#3	S1	6/25/25/

SEE THIS SHEET FOR CONT. OF ROOF BEAMS

TYPICAL FLOOR BEAMS

TB1R	10	7 1/2	2-#10				3-#8		#3	S1	12" CTRS. MAX.
TB2R	12	47 1/2	2-#7				2-#9		#3	S1	12" CTRS. MAX.
TB3	12	47 1/2	2-#7				2-#9		#3	S1	12" CTRS. MAX.
TB4	12	47 1/2	2-#8				3-#9		#3	S1	12" CTRS. MAX.
TB10	8	18	2-#5				2-#5	4	#3	S1	6/29/
TB11	24	36	3-#9		2-#11		4-#11	44	#4	S1	6/18@13/3@41/
TB12	24	36	3-#9		4-#11		5-#11	46	#4	S1	6/18@13/3@37/
TB13	18	47 1/2	2-#5				2-#10	14	#3	S1	6/18@12/3@38/
TB16	12	36	2-#5				2-#9	18	#3	S1	6/18@15/3@44/
TB17	12	36	2-#6			1-#9	2-#10	26	#3	S1	6/18@15/3@30/
TB18	8	18	2-#5				2-#5	4	#3	S1	6/22/
TB19	8	36	2-#5				2-#8	20	#3	S1	6/6@14/3@40/
TB20	26	36	3-#8		3-#10		4-#11	28	#4	S1	5/7@10/4@13/4@14/
TB21	12	47 1/2	2-#5				2-#9		#3	S1	12" CTRS. MAX.
TB22R	12	47 1/2	2-#7				2-#9		#3	S1	12" CTRS. MAX.
TB23	12	47 1/2	2-#5				2-#9		#3	S1	12" CTRS. MAX.
TB25	8	18	2-#5				2-#5	6	#3	S2	6/30/30/
TB26	26	31 1/2	4-#9			3-#10	5-#11	42	#4	S1	4/7@9/16@12@14/

NINTH FLOOR BEAMS

9B1	12	33 1/2	2-#6			1-#9	1-#11	28	#3	S1	6/18@15/28/28/
9B2	24	33 1/2	3-#8			3-#11	4-#11	40	#4	S1	4/9@8@10@12@25/
9B3	8	15 1/2	2-#5				2-#5	12	#3	S1	3/4@6/15/
9B4	24	36 1/2	3-#9			4-#11	5-#11	50	#4	S1	6/20@13/3@30/
9B5	26	36 1/2	3-#10			5-#11	5-#11	54	#4	S1	4/22@12/4@25/
9B6	18	36 1/2	2-#5				2-#10	14	#3	S1	6/18@12/3@38/

SCHEDULE S

MARK	SIZE		REINFORCING STEEL				STIRRUPS OR REMARKS			
	W"	D"	TOP	TOP	TOP	BOT.	NO.	SIZE	TYPE	SPACING EA. END

SIXTH FLOOR BEAMS

6B1	8	18	2-#5				2-#5	6	#3	S2	6/30/30/
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FIFTH FLOOR BEAMS

5B2	18	36	2-#6				1-#10	2-#10	14	#3	S1	6/18@12/3@38/
5B3	12	47 1/2	2-#11				1-#10	2-#11		#3	S1	12" CTRS. MAX.

FOURTH FLOOR BEAMS

4B4	12	24	2-#5				2-#6	4	#3	S2	6/34/	
4B5	12	47 1/2	2-#9				1-#9	2-#10		#3	S1	12" CTRS. MAX.

THIRD FLOOR BEAMS

3B11	24	48	10-#11				3-#10	12	#4	S3	6/5@18/
3B21R	10	7 1/2	2-#10				3-#8		#3	S1	12" CTRS. MAX.
3B22R	12	7 1/2	2-#10				3-#9		#3	S1	12" CTRS. MAX.
3B23	12	7 1/2	2-#6				3-#9		#3	S1	12" CTRS. MAX.
3B24	12	69 1/2	2-#7				3-#9		#3	S1	12" CTRS. MAX.
3B25	12	69 1/2	2-#7				3-#9		#3	S1	12" CTRS. MAX.
3B26	12	69 1/2	2-#6				3-#9		#3	S1	12" CTRS. MAX.
3B27	28	69 1/2	3-#11		7-#11	9-#11	9-#11	78	#5	S1	2/33@5/5@12/
3B28	28	69 1/2	3-#11		12-#11	5-#11	6-#11	78	#5	S1	2/33@5/5@12/
3B29	28	69 1/2	3-#11		12-#11	6-#11	6-#11	78	#5	S1	2/33@5/5@12/
3B30	28	69 1/2	3-#11		8-#11	9-#11	10-#11	78	#5	S1	2/33@5/5@12/
3B31	24	48	11-#7				3-#10	12	#4	S3	6/5@18/

SECOND FLOOR BEAMS

2B1	16	70 1/2	2-#9				3-#10	4-#10		#3	S1	12" CTRS. MAX.
2B2	16	71 1/2	2-#7				3-#9		8	#3	S1	6/30/32/
2B3	16	71 1/2	2-#7				3-#9		16	#3	S1	6/30@4@38/
2B5	18	48	2-#5				3-#9		6	#3	S2	6/35/35/
2B22	16	72	2-#8				3-#9		18	#4	S1	6/6@26/2@29/
2B23	16	72	2-#7				3-#9		18	#4	S1	6/6@26/2@29/
2B24	18	70 1/2	2-#9				2-#10			#3	S1	12" CTRS. MAX.
2B25	18	70 1/2	2-#9				2-#10			#3	S1	12" CTRS. MAX.

ROOF BEAMS - CONTINUED

RB41	8	24	2-#5				2-#5	6	#3	S2	6/28/28/
RB42	8	24	2-#5				2-#5	4	#3	S1	6/16/
RB43	8	24	2-#5				2-#5	4	#3	S2	6/28/
RB44	8	24	2-#5				2-#5	4	#3	S2	6/30/

NINTH FLOOR BEAMS - CONTINUED

9B7	8	18	2-#5				2-#5	6	#3	S2	6/30/30/
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SCHEDULES

MARK	TH.	REINFORCING STEEL				REMARKS
		D"	TOP	TOP	BOT.	

PENTHOUSE ROOF SLABS

PRS1	5		#4@15	#4@15	
PRS2	5		#4@15	#4@15	
PRS3	5		#4@15	#4@15	
PRS4	5		#4@15	#4@15	

PENTHOUSE FLOOR SLABS

PS1	6		#4@15	#4@15	
PS2	6		#4@15	#4@9	
PS3	6		#4@15	#4@15	
PS4	6		#4@15	#4@15	

ROOF SLABS

RS1	5		#4@15	#4@15	#4@15
RS2	5		#4@15	#4@15	
RS3	5		#4@15	#4@15	
RS4	5		#4@15	#4@12	#4@15
RS5	5		#4@15	#4@15	
RS6	5		#4@15	#4@15	
RS7	5		#4@15	#4@15	
RS8	5		#4@15	#4@15	
RS9	5		#4@15	#4@15	#4@15
RS10	5		#4@15	#4@15	#4@15
RS11	5		#4@15	#4@15	
RS12	5		#4@15	#4@15	
RS13	5		#4@15	#4@15	
RS14	5		#4@15	#4@15	
RS15	5		#4@15	#4@15	
RS16	5		#4@15	#4@15	

TYPICAL FLOOR SLABS

TS1	5		#4@15	#4@10	#4@15
TS2	5		#4@15	#4@12	
TS3	5		#4@9	#4@12	
TS4	5		#4@9	#4@12	
TS5	5		#4@15	#4@15	#4@15
TS6	5		#4@15	#4@15	
TS7	5		#4@15	#4@15	
TS8	5		#4@15	#4@15	
TS9	5		#4@15	#4@15	#4@15
TS10	5		#4@15	#4@15	#4@15
TS11	5		#4@15	#4@15	#4@15
TS12	5		#4@15	#4@15	
TS13	5		#4@15	#4@9	
TS14	5		#4@15	#4@15	#4@15

SECOND FLOOR SLABS

TS1	5		#4@15	#4@15	
TS2	5		#4@15	#4@15	
TS3	5		#4@15	#4@15	
TS4	5		#4@15	#4@15	
TS5	5		#4@15	#4@15	#4@15
TS6	5		#4@15	#4@15	#4@15
TS7	5		#4@15	#4@15	
TS8	5		#4@15	#4@15	
TS9	5		#4@15	#4@15	#4@15
TS10	5		#4@15	#4@15	#4@15
TS11	5		#4@15	#4@15	#4@15
TS12	5		#4@15	#4@15	
TS13	5		#4@15	#4@9	
TS14	5		#4@15	#4@15	#4@15

NINTH FLOOR SLABS

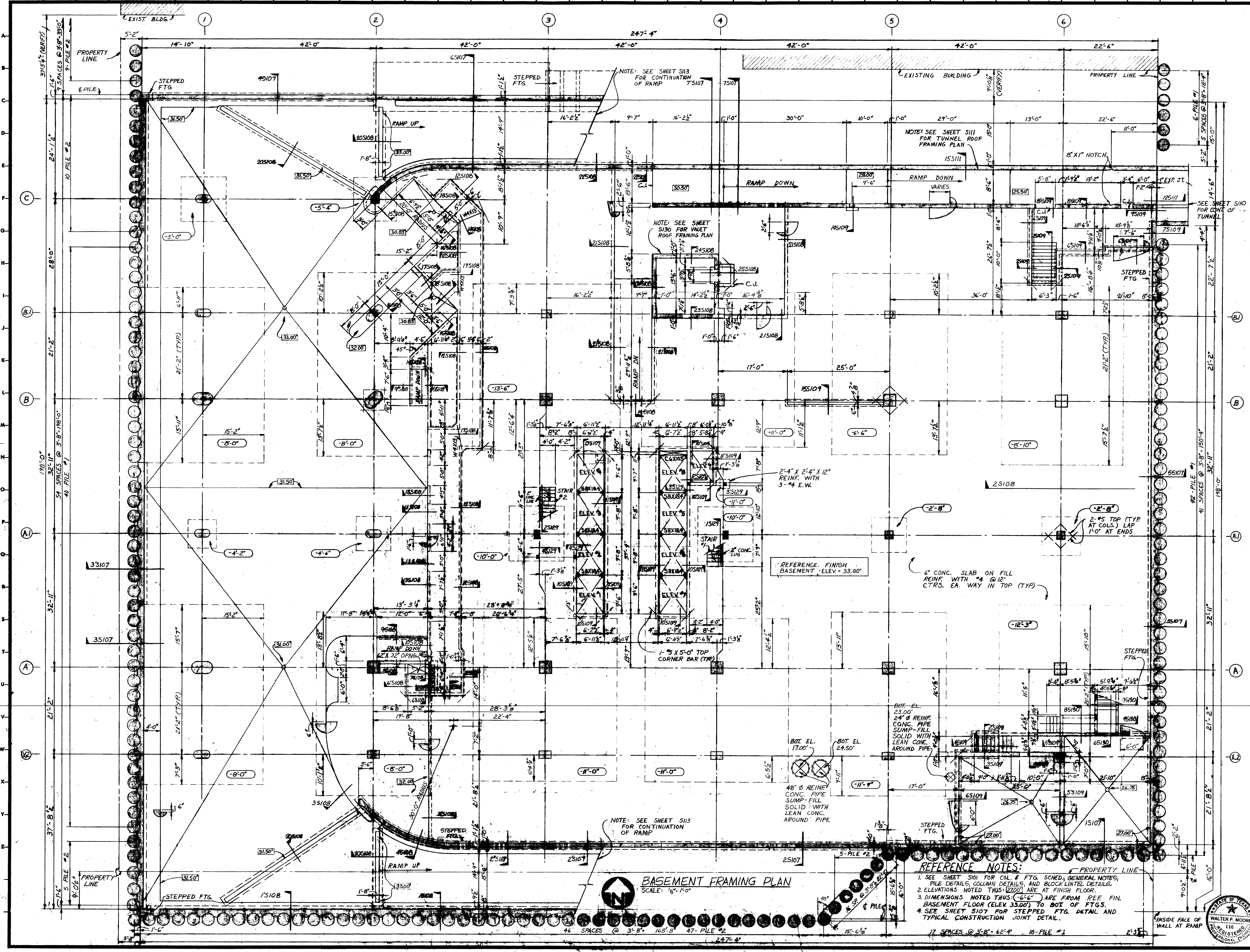
9S1	7 1/2		#4@9	#4@15	
9S2	7 1/2		#4@15	#4@15	
9S3	7 1/2		#4@15	#4@15	

POST - TENSIONED BEAMS

MARK	SIZE	REINFORCING STEEL				STIRRUPS OR REMARKS				FORCE KIPS	C.G.T. (FROM SOFFIT)		
		W"	D"	TOP	TOP	TOP	TOP	TOP	TOP		TOP	TOP	TOP
ROOF													
RB5R	18	36	2-#10	3-#7	10	#3	S4	4/40/12	59	30.00	11.67	33.50	
RB6	18	36	2-#11	3-#7	16	#3	S4	4/30/12/10/24	194	35.92	23.07	33.50	
RB7	18	36	2-#10	3-#8	28	#3	S2	6/1/30/24	194	2.50	2.50	33.50	
RB8	18	36	2-#10	3-#7	10	#3	S4	4/40/12	154	35.92	22.85	33.50	
RB9	18	36	2-#10	3-#7	22	#3	S4	4/40/12/10/24/10/24	352	35.92	23.70	33.50	
RB10	18	36	2-#10	3-#7	32	#3	S2	3/30/12/10/24/10/24	352	2.50	2.50	33.50	
RB12	18	36	2-#10	3-#7	16	#3	S4	4/30/12/10/24	276	35.92	23.32	33.50	
RB13	18	36	2-#10	3-#7	30	#3	S2	5/10/14/10/24	276	2.50	2.50	33.50	
RB14	18	36	2-#10	3-#7	18	#3	S4	4/30/12	412	24.00	26.49	33.50	
RB19	18	36	2-#10	3-#7	18	#3	S4	4/30/12	436	24.00	26.57	33.50	
RB23	18	36	2-#10	3-#7	10	#3	S4	4/30/12	287	35.92	23.34	33.50	
RB24	18	36	2-#10	3-#7	24	#3	S2	4/30/8/10/14/10/24	287	2.50	2.50	33.50	
RB37	18	36	2-#10	3-#7	10	#3	S4	4/40/12	360	35.92	23.77	33.50	
RB38	18	36	2-#10	3-#7	10	#3	S4	4/30/12/24	376	35.92	23.86	33.50	
RB39	18	36	2-#10	3-#7	48	#3	S2	3/30/5/4/7/10/10/15/15/15	376	2.50	2.50	33.50	
TYPICAL FLOOR													
TB5R	18	36	2-#10	3-#7	10	#3	S4	4/40/12	87	30.00	11.99	33.50	
TB6	18	36	2-#10	3-#7	18	#3	S4	4/40/12/10/30/24	270	35.92	24.00	33.50	
TB7	18	36	2-#10	3-#8	32	#3	S2	6/1/11/14/10/24	270	2.50	2.50	33.50	
TB8	18	36	2-#10	3-#7	16	#3	S4	4/30/12/10/24	212	35.92	22.99	33.50	
TB9	18	36	2-#10	3-#8	30	#3	S2	6/1/8/10/10/24	212	2.50	2.50	33.50	
TB14	18	36	2-#10	3-#7	10	#3	S4	4/40/12	223	35.92	23.66	33.50	
TB15	18	36	2-#10	3-#7	10	#3	S4	4/40/12	380	35.92	23.84	33.50	
TB16	18	36	2-#10	3-#7	10	#3	S4	4/40/12	380	35.92	23.84	33.50	
NINTH FLOOR													
9B6	18	36	2-#10	3-#7	16	#3	S4	4/30/12/10/24	208	35.92	22.93	33.50	
9B7	18	36	2-#10	3-#7	30	#3	S2	6/1/10/12/24	208	2.50	2.50	33.50	
9B8	18	36	2-#10	3-#7	10	#3	S4	4/40/12	429	34.43	23.77	31.00	
9B9	18	36	2-#10	3-#7	10	#3	S4	4/40/12	428	34.43	23.75	31.00	
9B10	18	36	2-#10	3-#7	10	#3	S4	4/40/12	229	34.43	23.38	31.00	
9B11	18	36	2-#10	3-#7	24	#3	S2	4/30/4/10/12/30/24	229	2.50	2.50	31.00	
9B12	18	36	2-#10	3-#7	10	#3	S4	4/40/12	229	34.43	23.31	31.00	
9B13	18	36	2-#10	3-#7	10	#3	S4	4/40/12	259	34.43	22.26	31.00	
9B14	18	36	2-#10	3-#7	10	#3	S4	4/40/12	259	34.43	22.26	31.00	
9B15	18	36	2-#10	3-#7	16	#3	S4	4/12/10/14/21/30/24	310	34.43	22.33	31.00	
9B16	18	36	2-#10	3-#7	34	#3	S2	5/10/10/10/24/10/24	310	2.50	2.50	31.00	
9B17	18	36	2-#10	3-#7	16	#3	S4	4/12/10/14/21/30/24	310	34.43	22.31	31.00	
SEVENTH FLOOR													
7B1	18	36	2-#10	3-#7	10	#3	S4	4/40/12	409	35.92	24.07	33.50	
7B2	18	36	2-#10	3-#7	20	#3	S4	4/30/11/15/19/24	443	35.92	23.86	33.50	
7B3	18	36	2-#10	3-#8	40	#3	S4	4/30/10/14/17/21/24	443	2.50	2.50	33.50	
SIXTH FLOOR													
6B2	18	36	2-#10	3-#7	10	#3	S4	4/40/12	252	35.92	23.64	33.50	
6B3	18	36	2-#10	3-#7	10	#3	S4	4/40/12	252	35.92	23.64	33.50	
6B4	18	36	2-#10	3-#7	16	#4	S4	5/10/11/15/19/24/24	313	35.92	23.37	33.50	
6B5	18	36	2-#10	3-#8	36	#4	S2	5/30/10/15/19/24	313	2.50	2.50	33.50	
6B6	18	36	2-#10	3-#7	16	#3	S4	4/30/12/10/24	313	35.92	23.35	33.50	
6B7	18	36	2-#10	3-#7	16	#3	S4	5/10/11/15/19/24	280	35.92	23.70	33.50	
6B8	18	36	2-#10	3-#8	36	#3	S2	5/10/11/15/19/24	280	2.50	2.50	33.50	
6B9	18	36	2-#10	3-#7	16	#3	S4	4/30/12/10/24	280	35.92	22.96	33.50	

POST - TENSIONED BEAMS

MARK	SIZE	REINFORCING STEEL				STIRRUPS OR REMARKS				FORCE KIPS	C.G.T. (FROM SOFFIT)		
		W"	D"	TOP	TOP	TOP	TOP	TOP	TOP		TOP	TOP	TOP
FIFTH FLOOR													
5B1	18	36	2-#10	3-#7	10	#3	S4	4/40/12	380	35.92	22.98	33.50	
5B3	18	36	2-#10	3-#7	18	#3	S4	5/30/12/10/24	272	35.92	20.24	33.50	
5B4	18	36	2-#10	3-#7	10	#3	S4	4/40/12	273	35.92	21.53	33.50	
5B5	NOT USED												
5B6	18	36	2-#10	3-#8	36	#3	S2	4/30/8/11/13/24	293	2.50	2.50	33.50	
5B7	18	36	2-#10	3-#7	16	#4	S4	4/30/12/10/24	293	35.92	21.81	33.50	
5B8	NOT USED												
5B9	18	36	2-#10	3-#7	36	#4	S2	4/30/12/10/24	433	2.50	2.50	33.50	
5B10	18	36	2-#10	3-#7	18	#4	S4	5/30/10/15/19/24	423	35.92	23.57	33.50	
5B11	NOT USED												
5B12R	18	36	2-#10	3-#7	10	#3	S4	4/40/12	162	30.00	12.21	33.50	
FOURTH FLOOR													
4B1	18	36	2-#10	3-#7	14	#3	S4	4/30/12/10/24	295	35.92	23.06	33.50	
4B2	18	36	2-#10	3-#8	32	#3	S2	5/10/10/11/13/24	295	2.50	2.50	33.50	
4B3R	18	36	2-#10	3-#7	10	#3	S4	4/40/12	122	30.00	11.87	33.50	
THIRD FLOOR													
3B1R	36	48	3-#11	3-#11	4	#8	S2	4/10/11/10/13/18	422	45.50	43.00	45.50	
3B2	24	48	3-#10	3-#9	16	#3	S2	4/30/12/14/10/18	627	45.50	43.57	45.50	
3B3	24	48	3-#10	3-#9	30	#4	S2	4/30/8/10/12/10/24	627	26.26	26.50	45.50	
3B4	24	48	3-#10	3-#9	14	#3	S2	4/30/15/17/10/21	627	45.50	43.57	45.50	
3B5	24	48	3-#10	3-#9	40	#4	S2	4/30/12/13/14/15/19	627	21.60	21.50	45.50	
3B6	24	48	3-#10	3-#9	16	#3	S2	4/30/12/13/14/14/19	627	44.54	43.21	45.50	
3B7	24	48	3-#10	3-#9	14	#5	S2	4/30/14/17/11/18	670	45.50	43.68	45.50	
3B8	24	48	3-#10	3-#9	14	#4	S2	4/40/15/14/17/19/22	670	45.50	43.68	45.50	
3B9	24	48	3-#10	3-#9	18	#3	S2	4/40/12/13/15/16/16	627	45.50	43.57	45.50	
3B10	24	48	3-#10	3-#9	36	#3	S2	4/30/12/13/14/17/18	627	29.11	29.11	45.50	
3B11	24	48	3-#10	3-#9	14	#5	S2	4/30/14/17/11/17	670	45.50	43.68	45.50	
3B12	24	48	3-#10	3-#9	30	#4	S2	4/10/12/13/14/17/20	669	27.12	27.12	45.50	
3B13	24	48	3-#10	3-#9	14	#4	S2	4/40/14/16/17/19	670	45.50	43.68	45.50	
3B14	24	48	3-#10	3-#9	16	#3	S2	4/30/13/14/16/18/20	665	44.54	43.19	45.50	
3B15	24	48	3-#10	3-#9	30	#4	S2	4/30/12/13/14/17/20/24	665	24.82	24.82	45.50	
3B16	24	48	3-#10	3-#9	18	#3	S2	5/30/11/12/13/14/17/18	665	45.50	43.74	45.50	
3B17	24	48	3-#10	3-#9	14	#5	S2	4/15/15/14/16/17/18	707	44.58	43.31	45.50	
3B18	24	48	3-#10	3-#9	14	#4	S2	4/40/14/16/17/19	707	46.50	43.75	45.50	
3B19	24	48	3-#10	3-#9	18	#3	S2	5/30/11/12/13/14/16/18	669	45.50	43.66	45.50	
SECOND FLOOR													
2B4	18	48	3-#9	3-#8	8	#3	S2	4/30/24	84	24.00	30.05	45.50	
2B5	18	48	3-#9	3-#8	10	#3	S2	4/20/20/24/24	165	24.00	30.61	45.50	
2B6	18	48	3-#9	3-#8	28	#3	S2	4/130/24	165	2.50	2.50	45.50	
2B7	18	48	3-#9	3-#8	12	#3	S2	4/40/14/15/19/24	259	24.00	29.72	45.50	
2B8	18	48	3-#9	3-#8	30	#3	S2	4/40/14/17/10/24	259	2.50	2.50	45.50	
2B9	18	48	3-#9	3-#8	10	#3	S2	4/40/24	251	24.00	31.44	45.50	
2B10	18	48	3-#9	3-#8	12	#3	S2	4/40/16/18/24/24	221	24.00	31.22	45.50	
2B11	18	48	3-#9	3-#8	30	#3	S2	4/10/					



BASEMENT FRAMING PLAN

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

REFERENCE NOTES:

1. SEE SHEET S101 FOR COL. & FTG. SCHED., GENERAL NOTES, PILE DETAILS, COLUMN DETAILS, AND BLOCK LINTEL DETAILS.
2. ELEVATIONS NOTED THUS: (-12.00') ARE AT FINISH FLOOR.
3. DIMENSIONS NOTED THUS: (-6'-6") ARE FROM REF. FIN. BASEMENT FLOOR (ELEV. 33.00') TO BOT. OF FTGS.
4. SEE SHEET S107 FOR STEPPED FTG. DETAIL AND TYPICAL CONSTRUCTION JOINT DETAIL.

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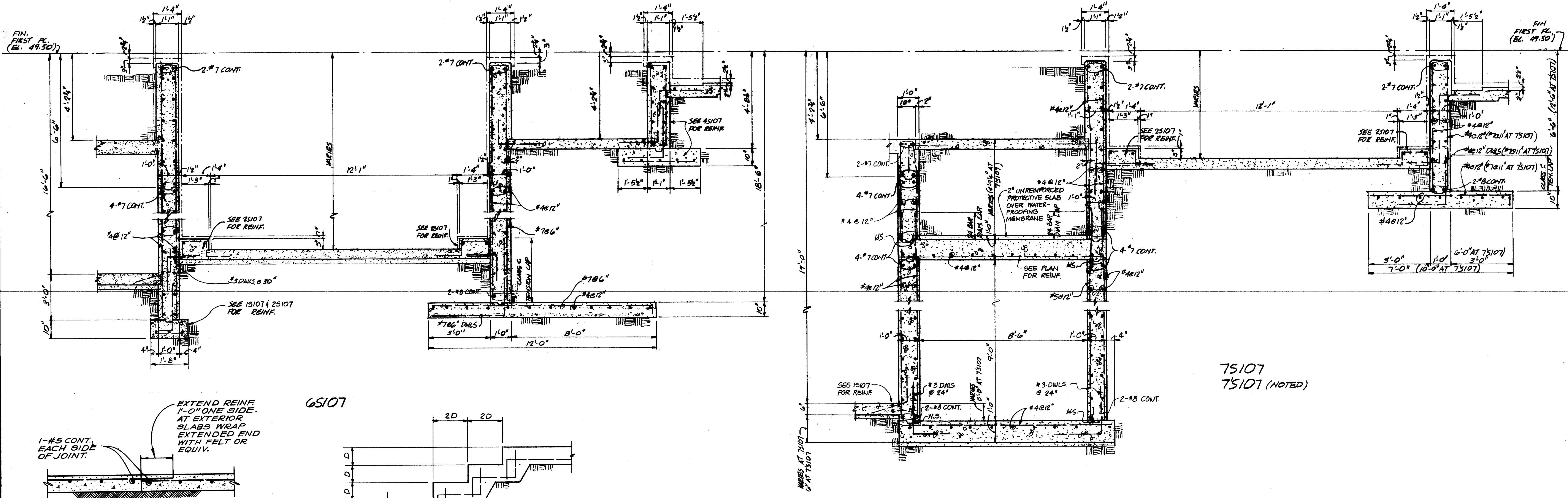
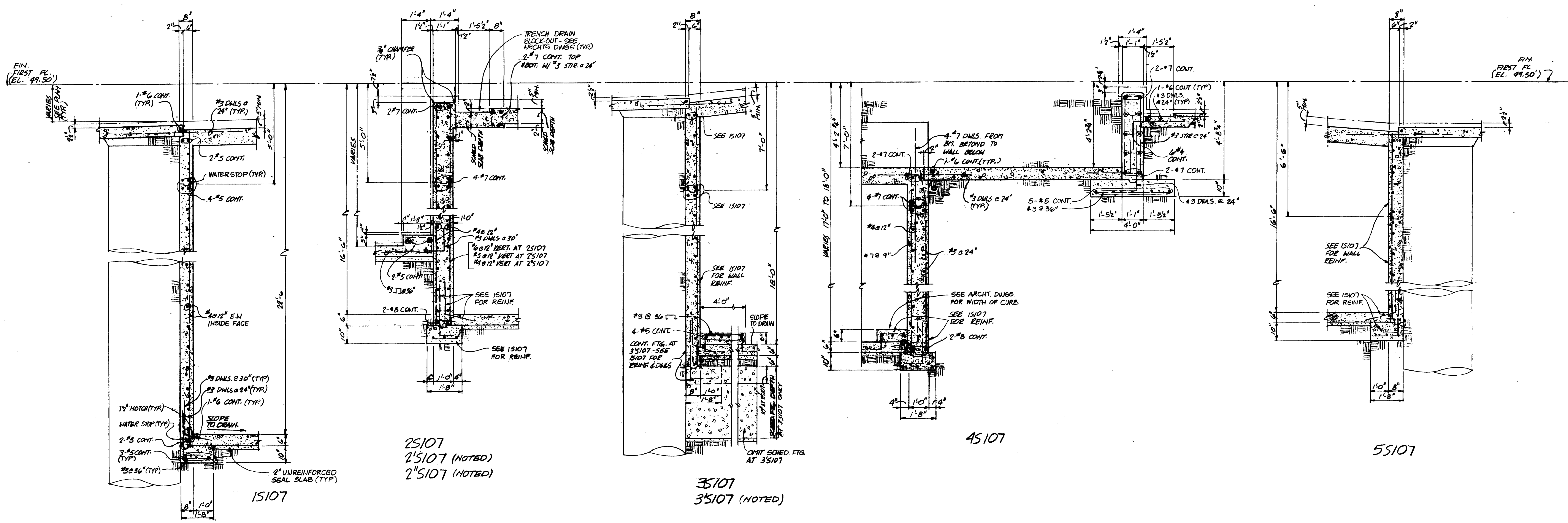
HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON TEXAS

REVISIONS

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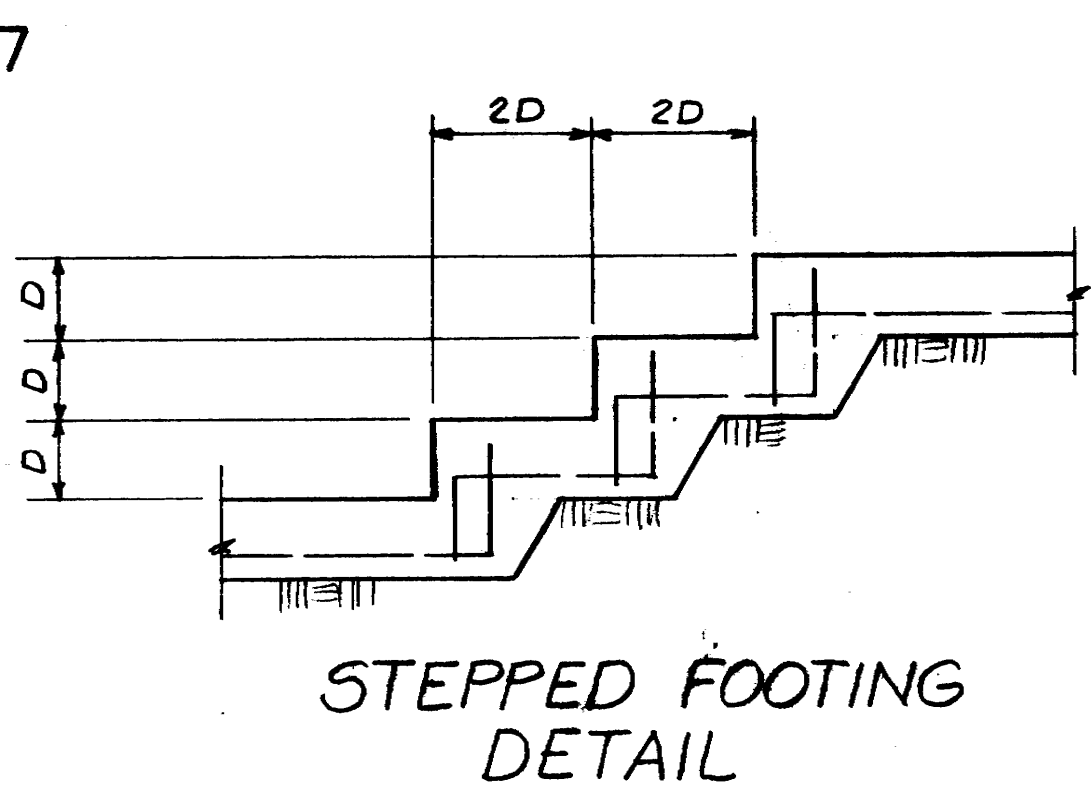
DRAWN BY
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 PROJECT NO.
 DATE JULY 28, 1975
 BASEMENT PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



**TYPICAL CONSTRUCTION JOINT DETAIL
SLAB ON GRADE**

THE PLAN SIZE OF SLAB POURS SHALL BE AS NEARLY SQUARE AS PRACTICAL AND SHALL BE APPROXIMATELY 2500 TO 3000 SQUARE FEET PER POUR. COORDINATE JOINT LOCATIONS WITH ARCHITECT.



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

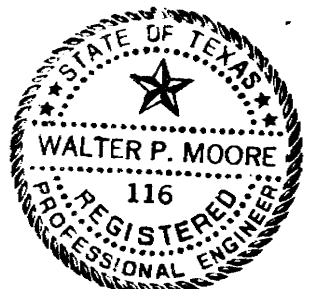
**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

REVISIONS

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PROJECT NO.
DATE JULY 28, 1975
WALL DETAILS

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BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

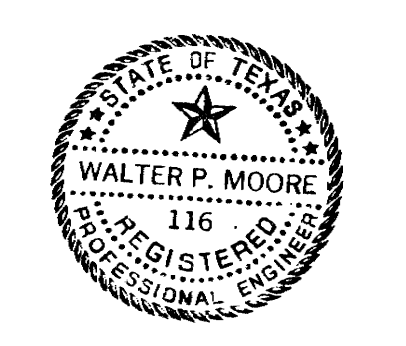
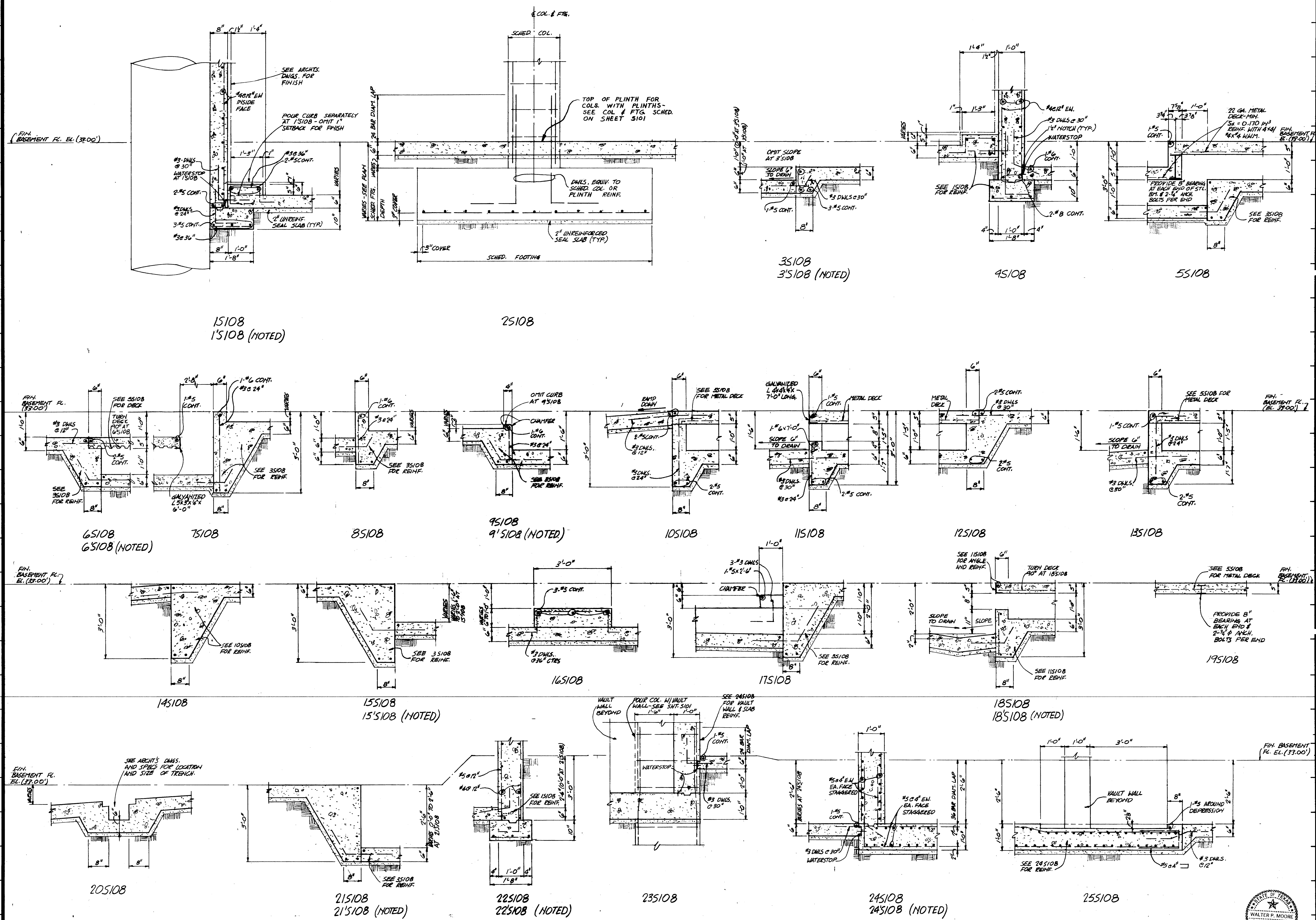
HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON, TEXAS

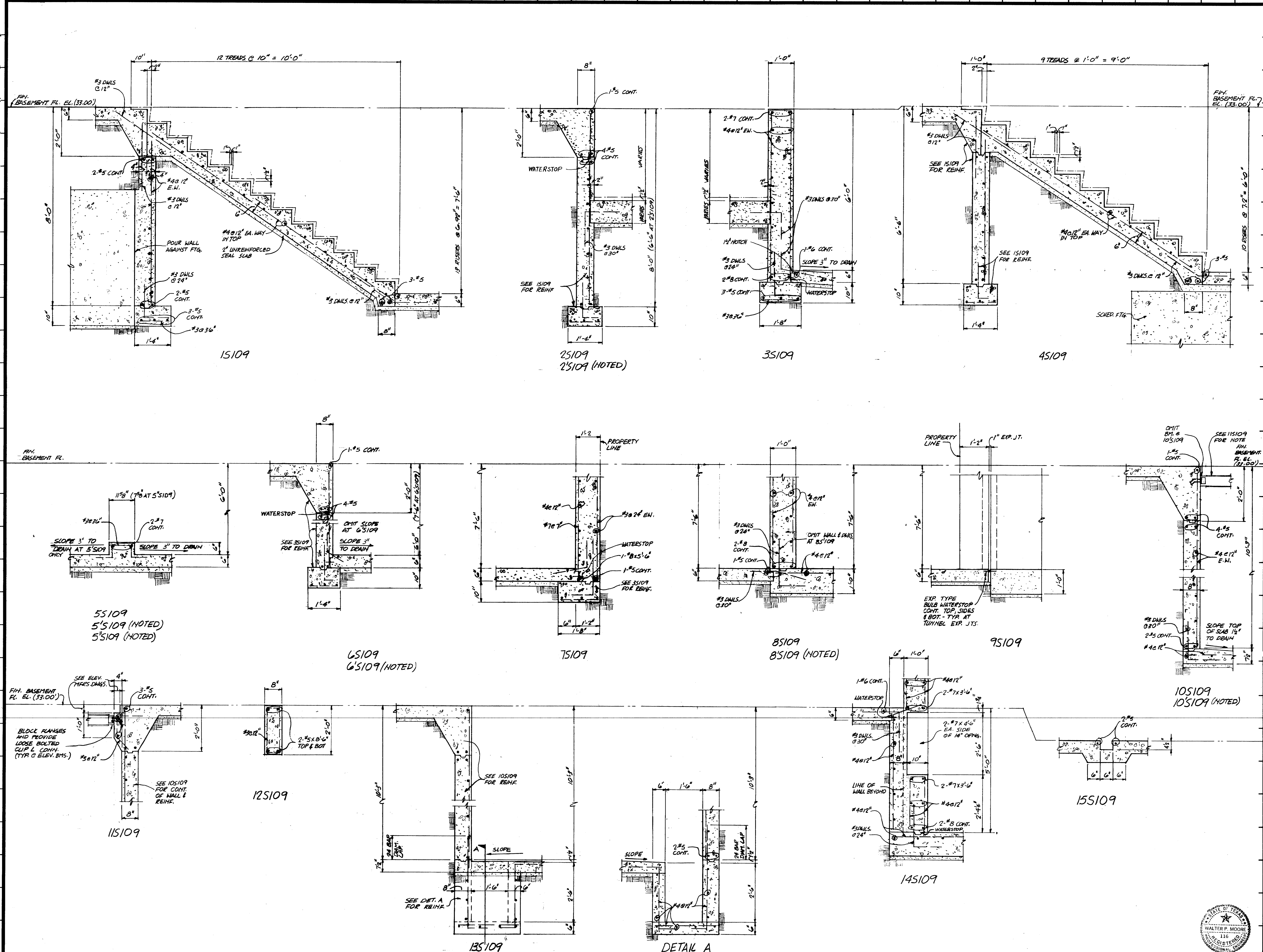
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CHECKED BY _____
PROJECT NO. _____
DATE JULY 28, 1975

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

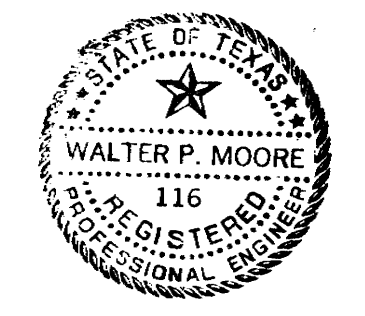
HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON TEXAS

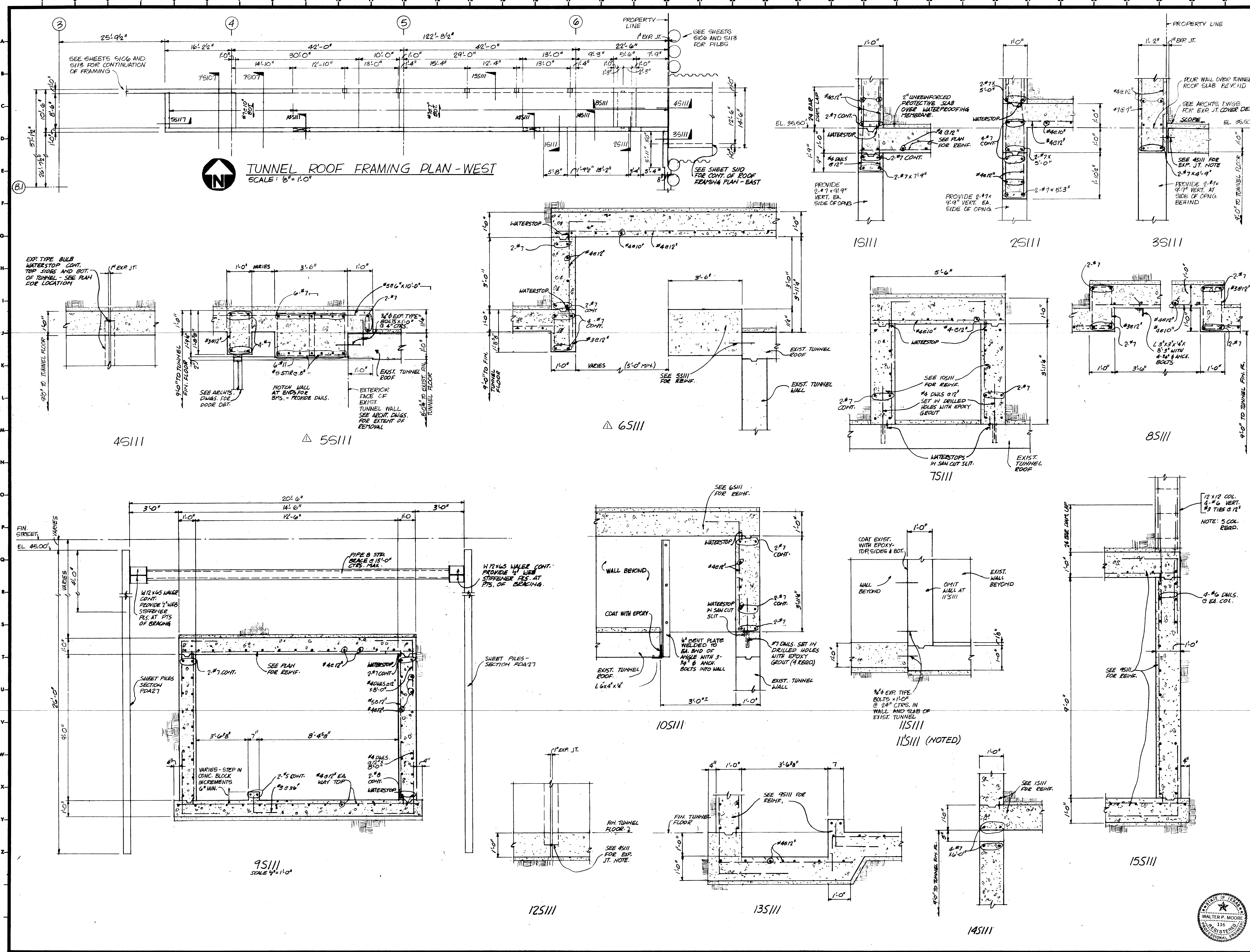
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DRAWN BY
 CHECKED BY
 PROJECT NO.
 DATE JULY 28, 1975

BASEMENT DETAILS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77006

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

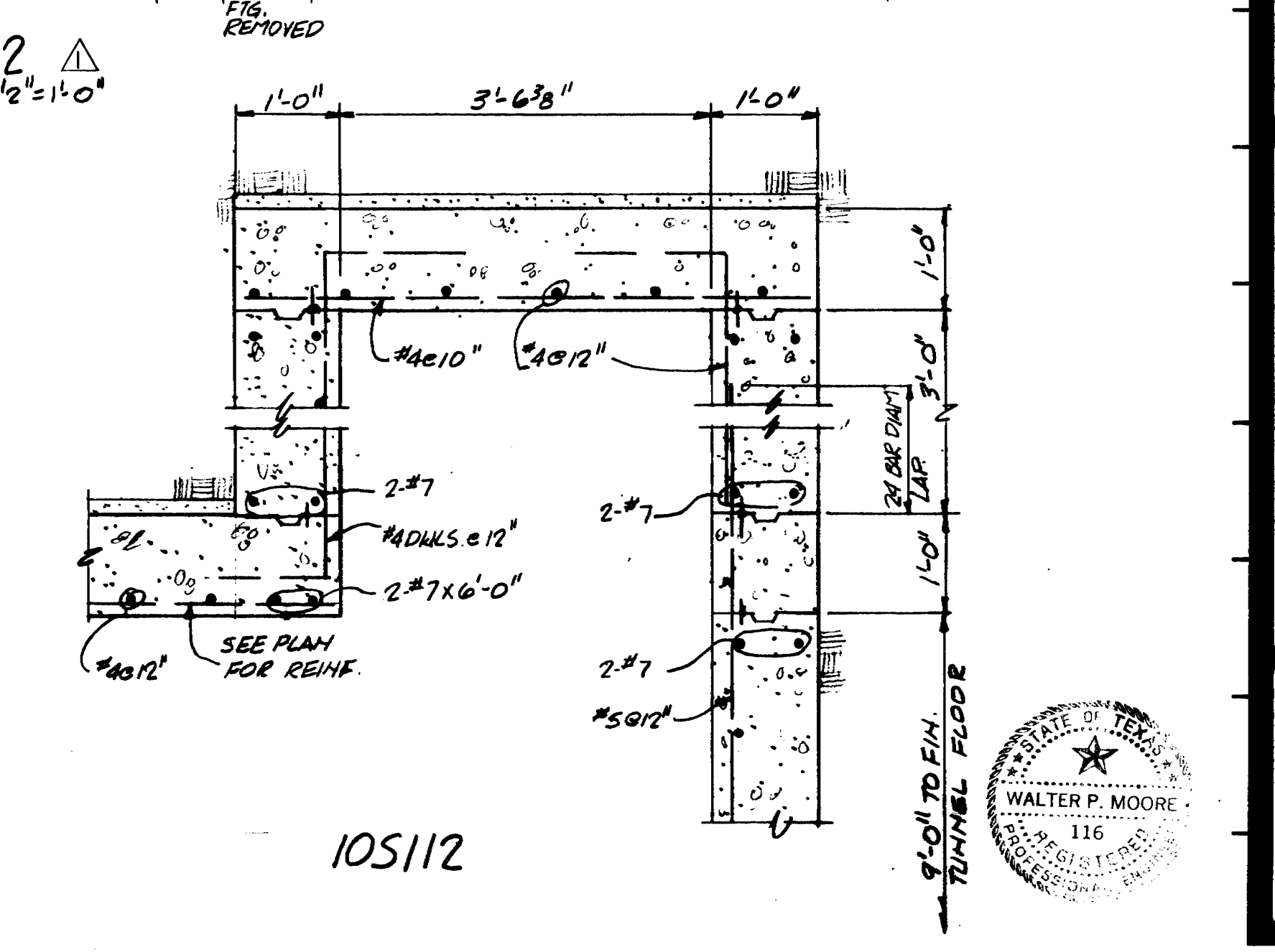
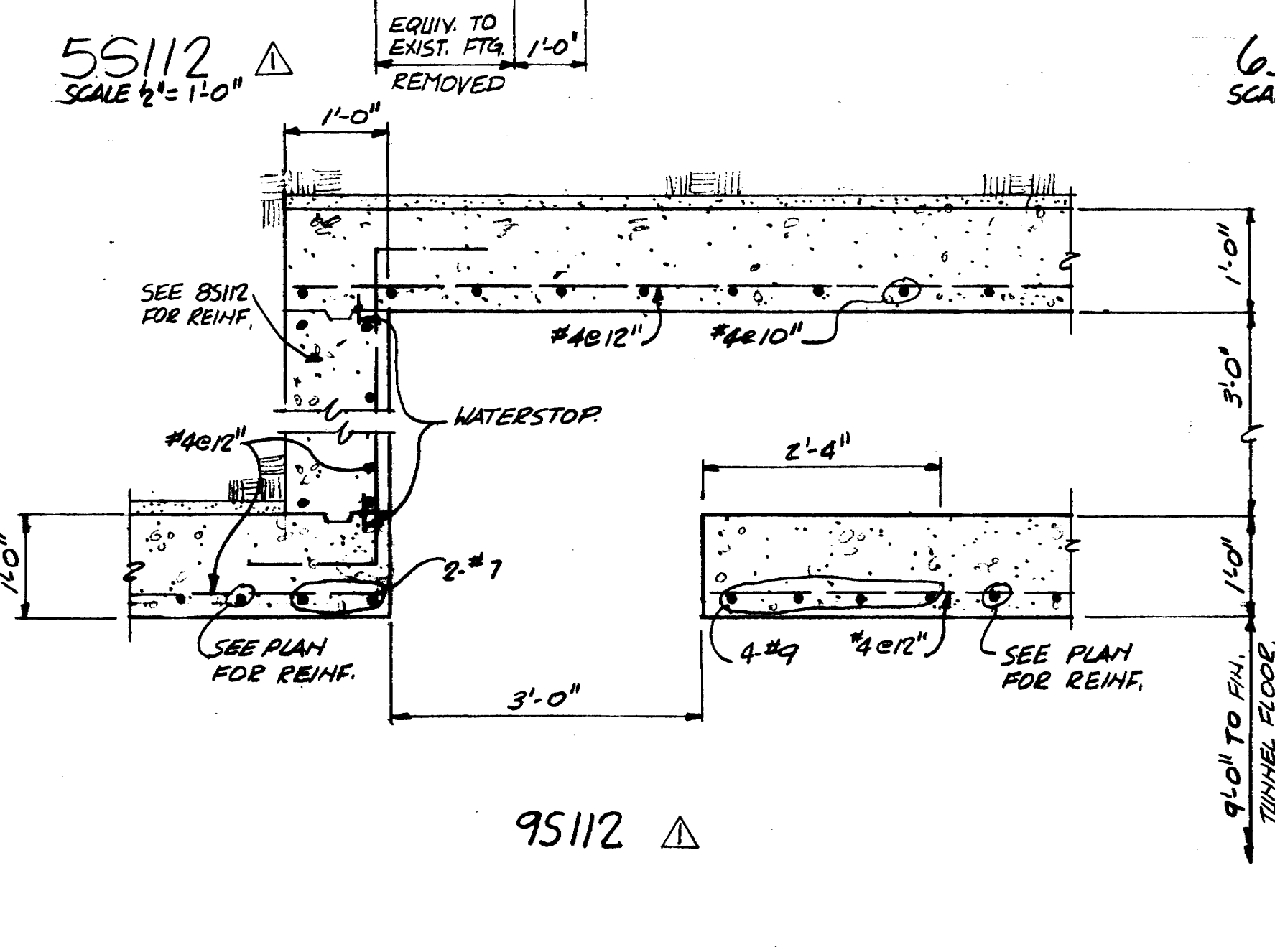
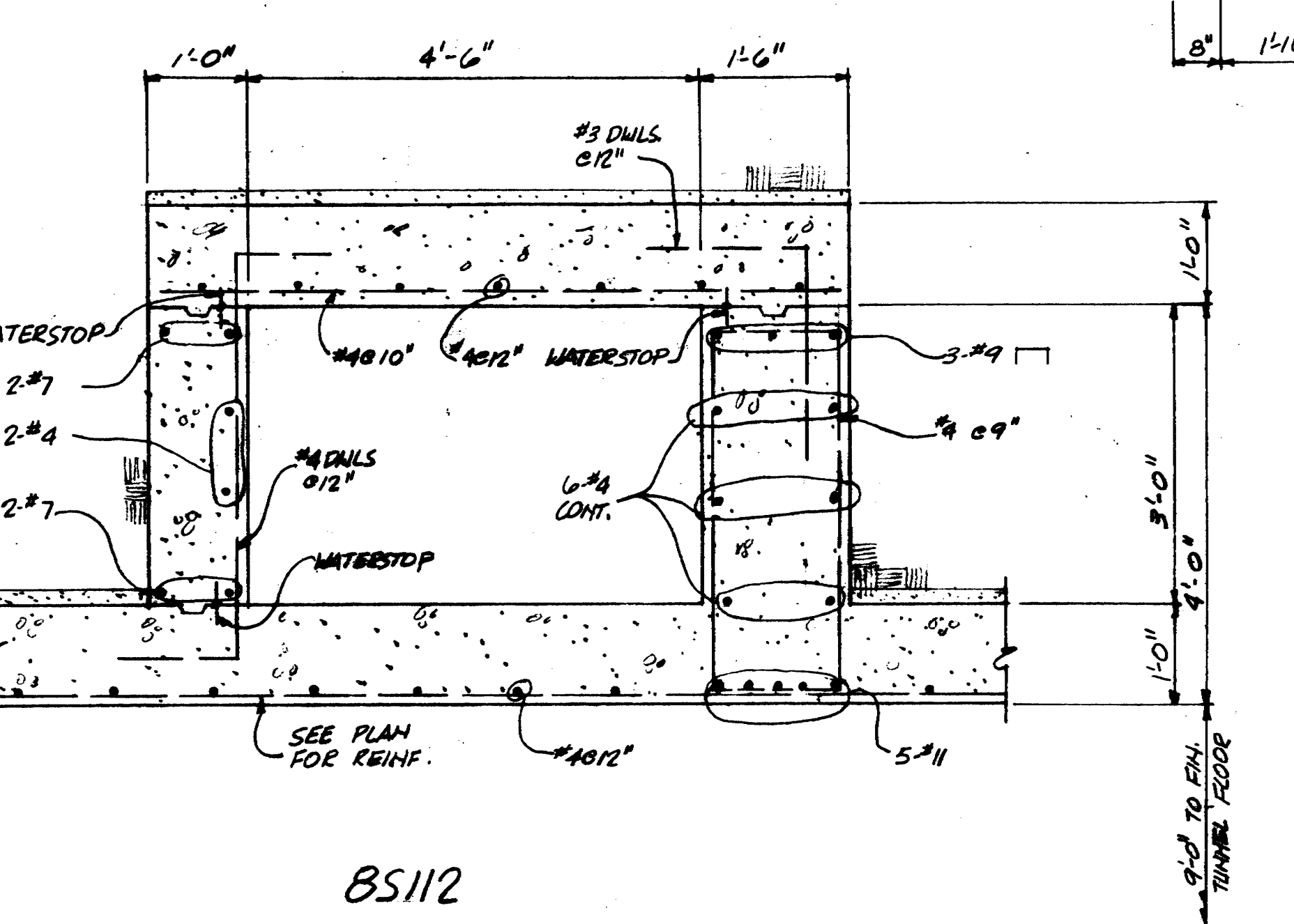
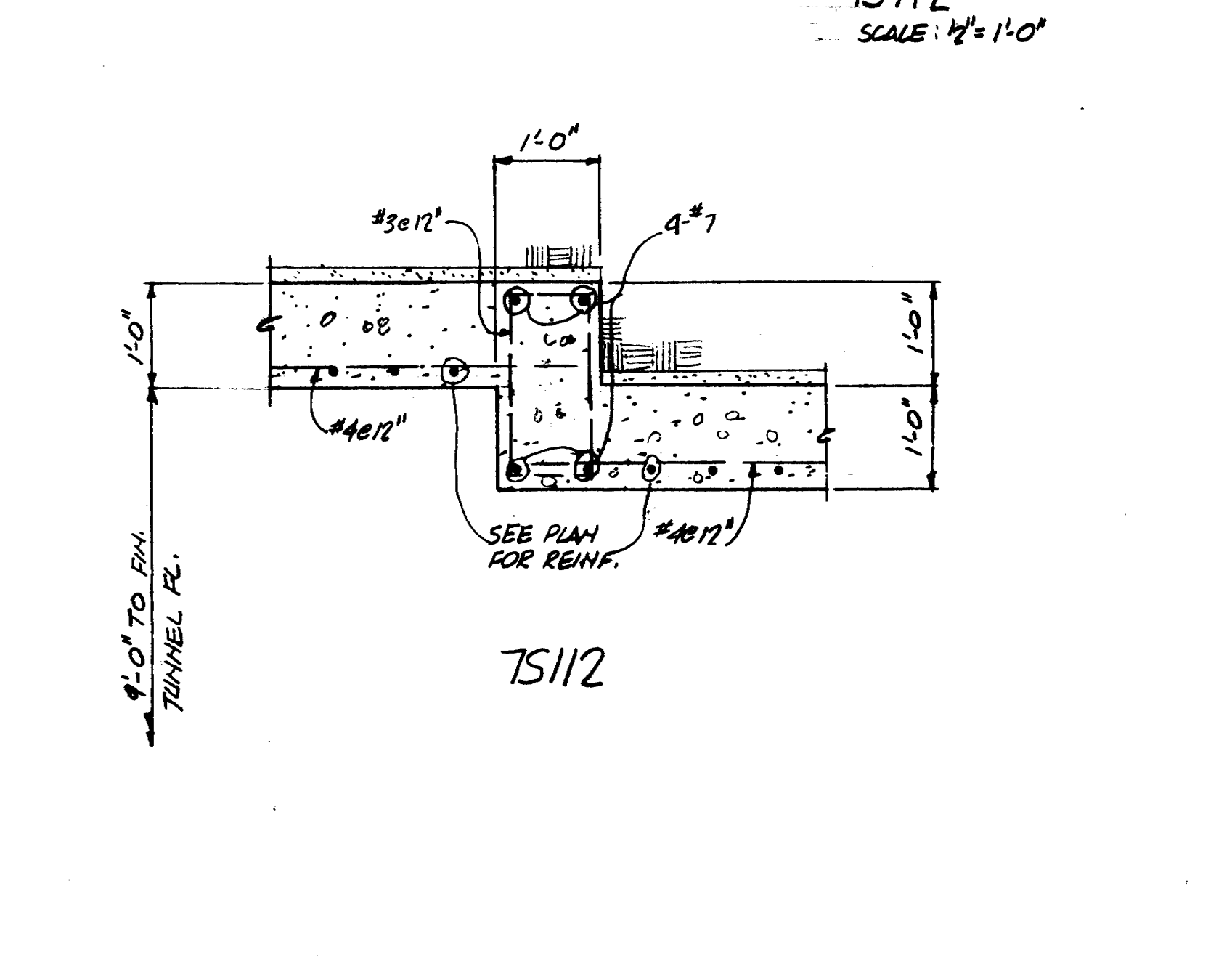
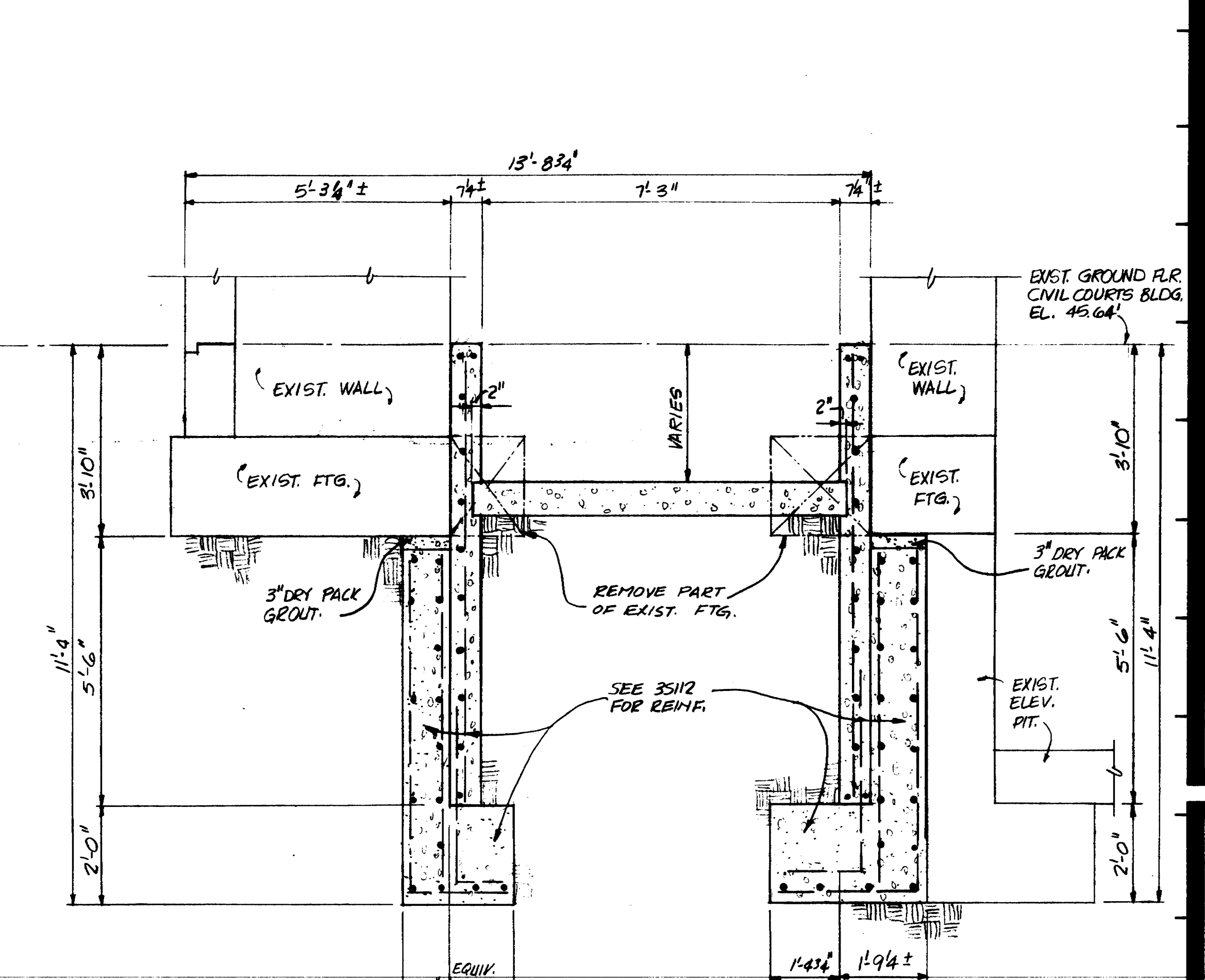
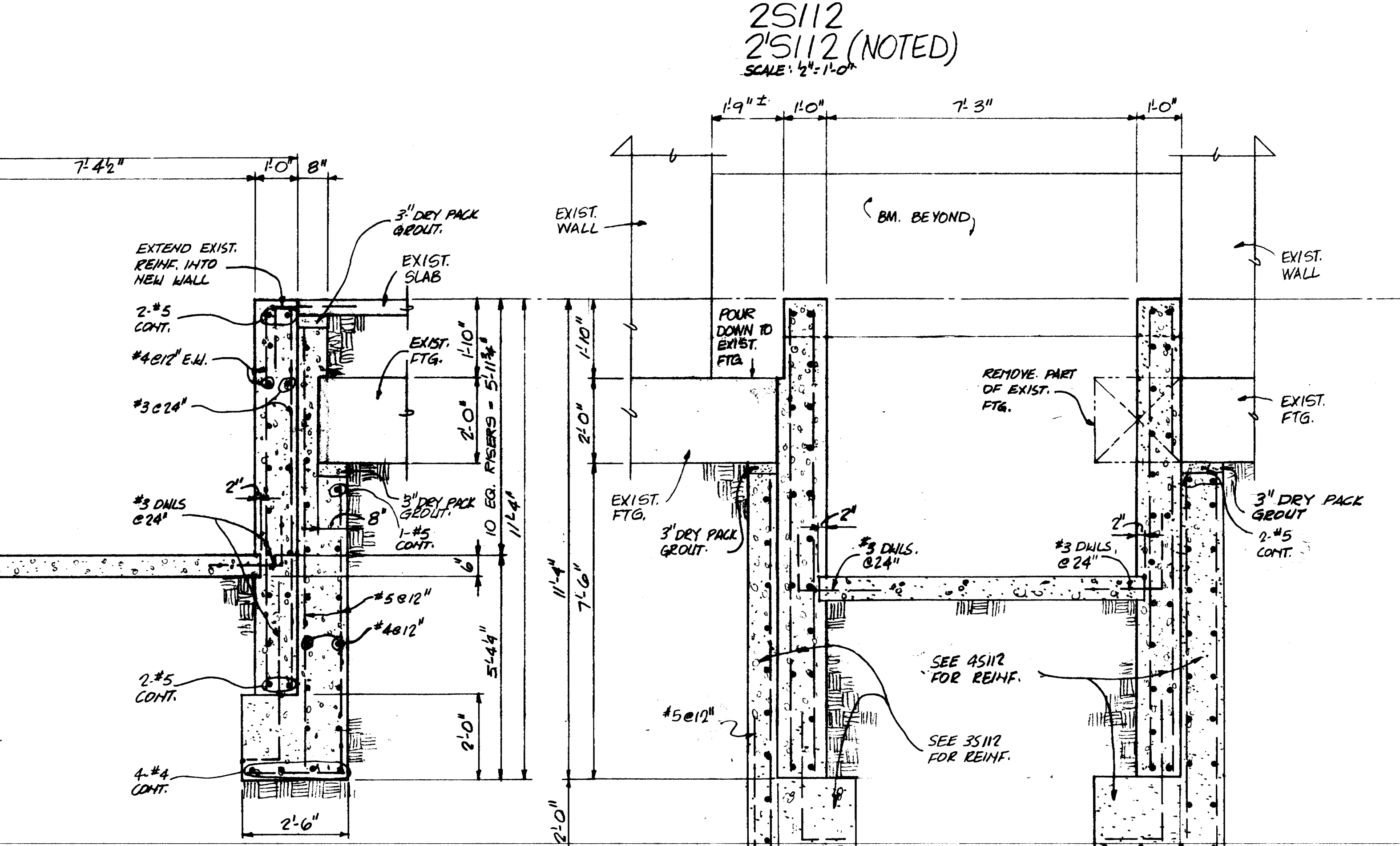
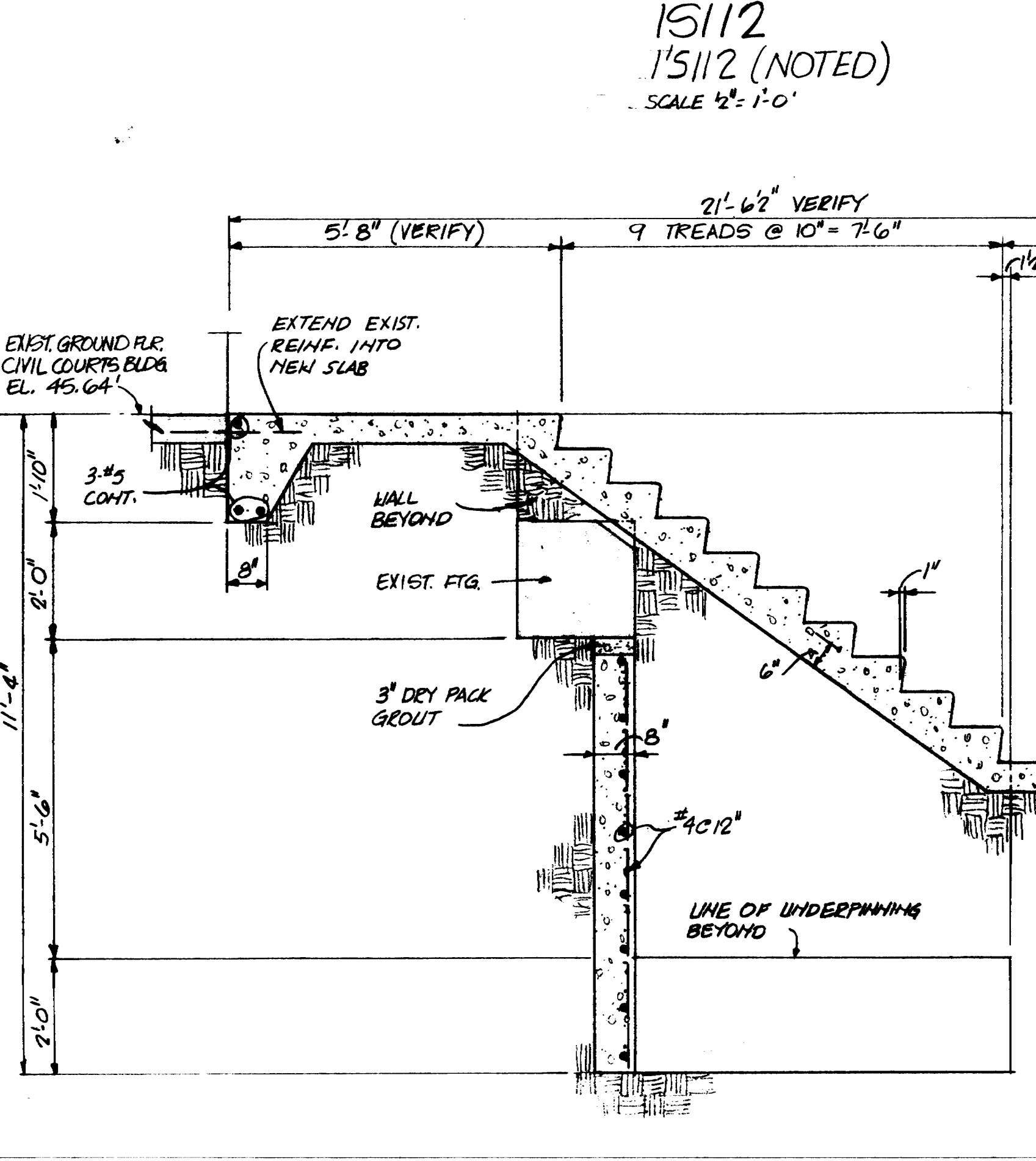
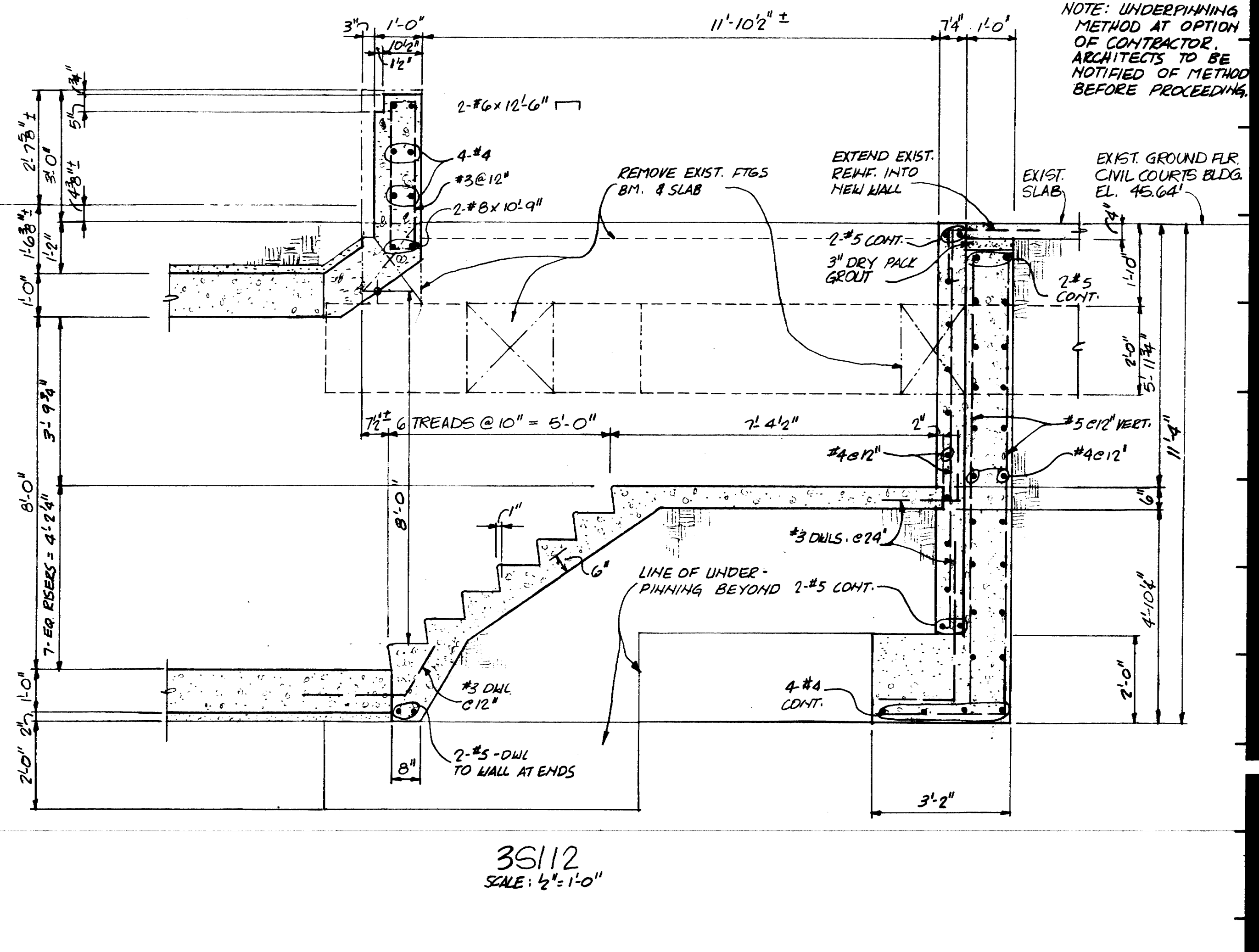
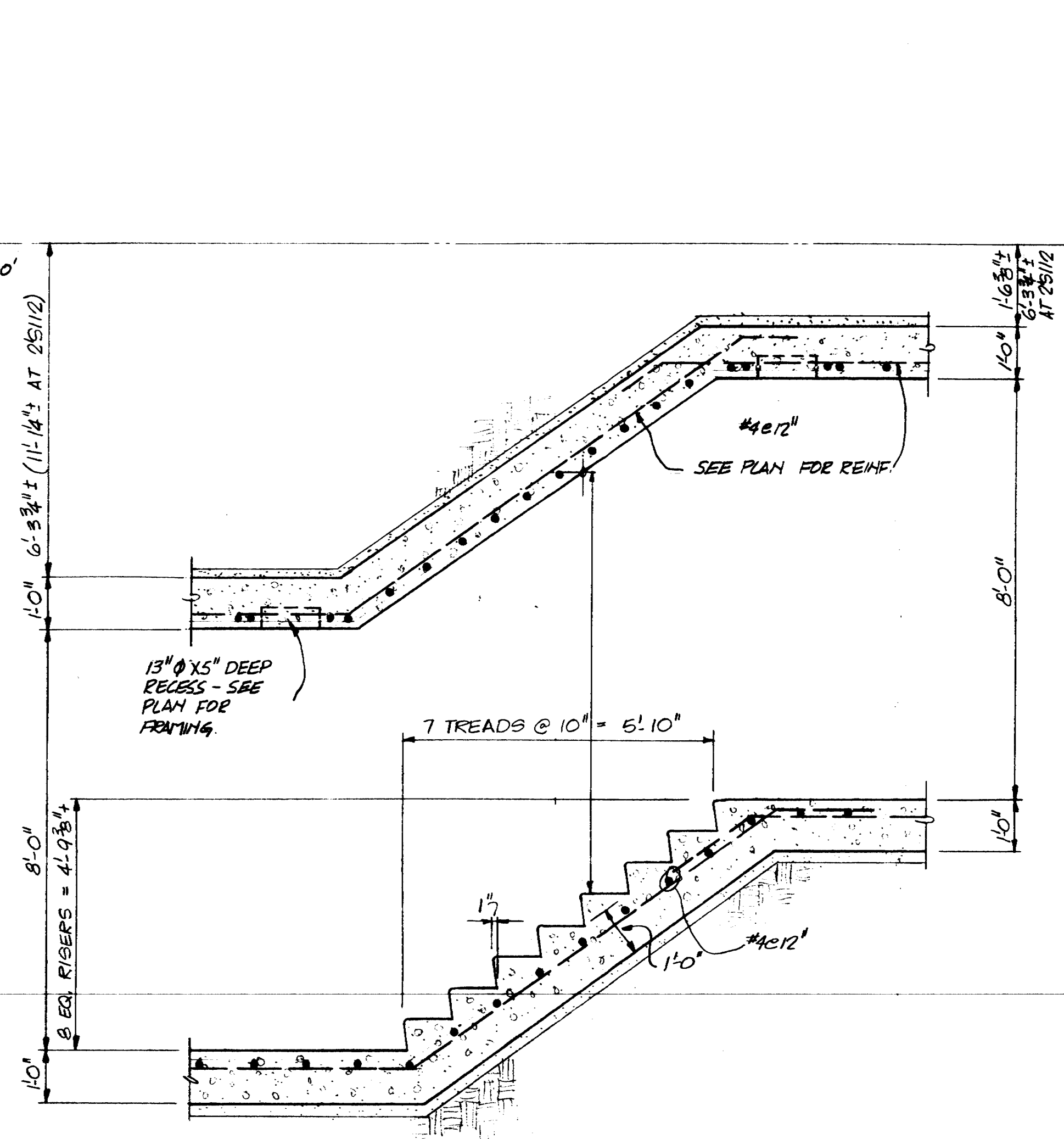
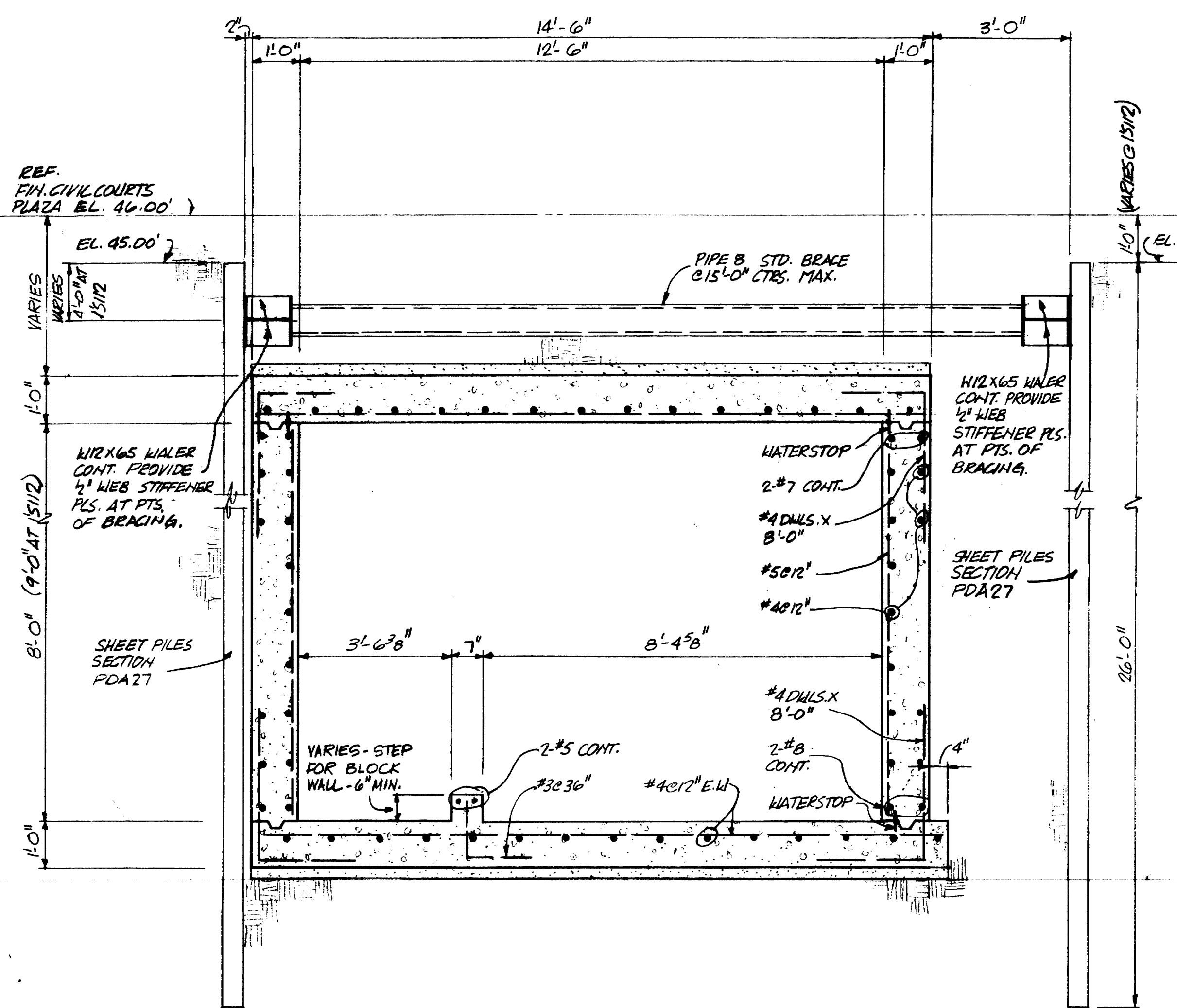
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DRAWN BY _____
CHECKED BY _____
PROJECT NO. _____
DATE JULY 28, 1975

TUNNEL ROOF PLAN DETAILS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

WALTER P. MOORE & ASSOCIATES, INC.
116
REGISTERED PROFESSIONAL ENGINEERS



NOTE: UNDERPINNING METHOD AT OPTION OF CONTRACTOR. ARCHITECTS TO BE NOTIFIED OF METHOD BEFORE PROCEEDING.

KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002

BRODINAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027

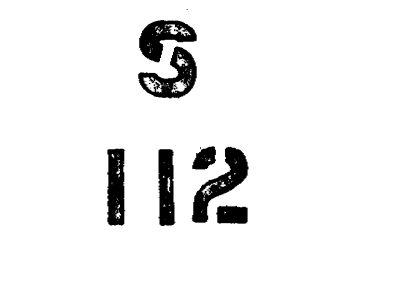
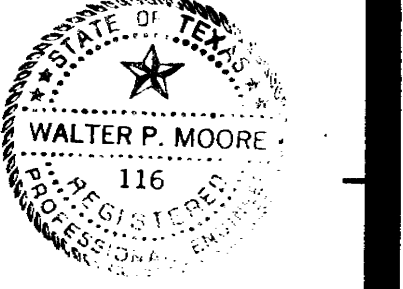
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

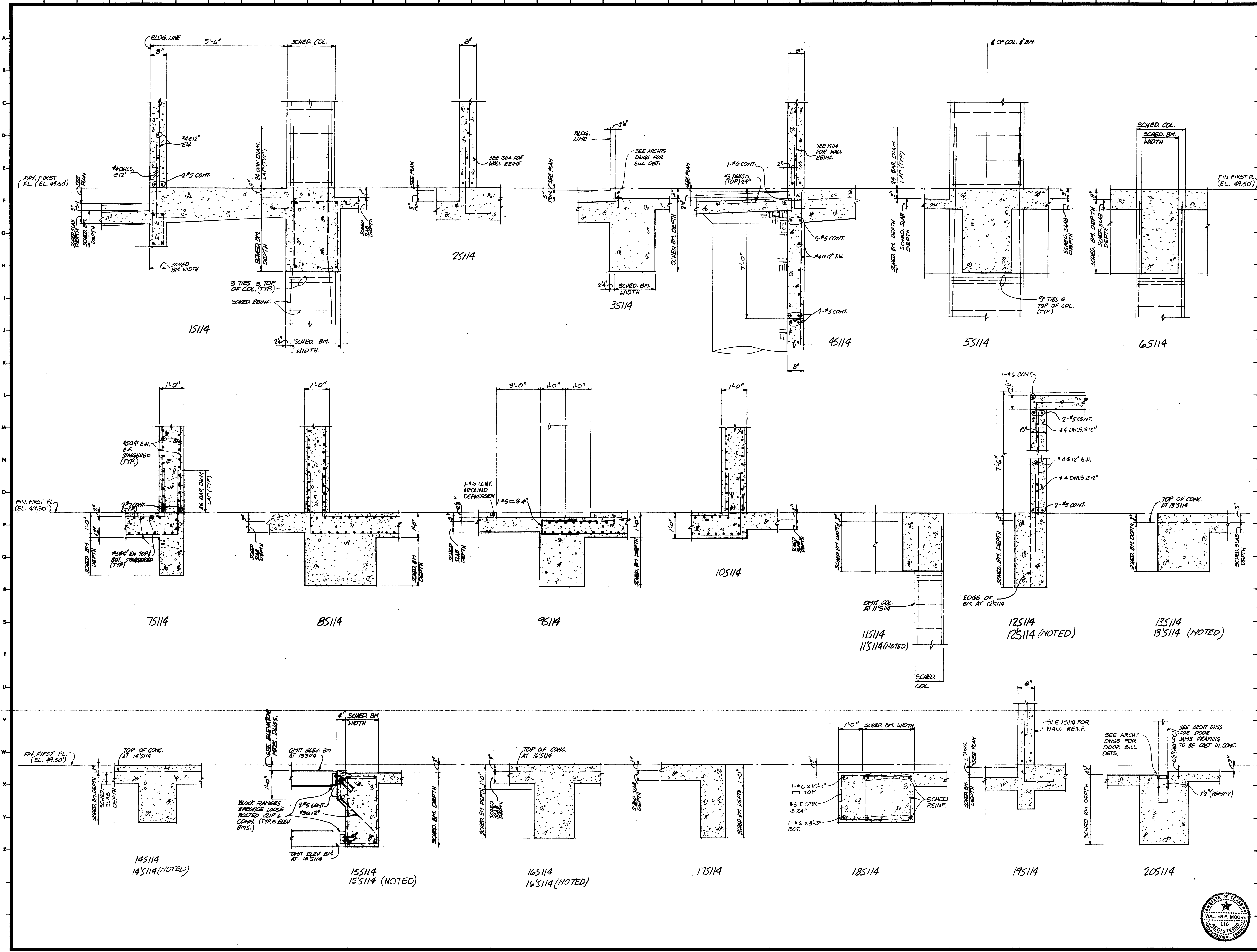
HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

NO.	REVISIONS
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DRAWN BY
CHECKED BY
PROJECT NO.
DATE JULY 28, 1975
TUNNEL DETAILS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME.





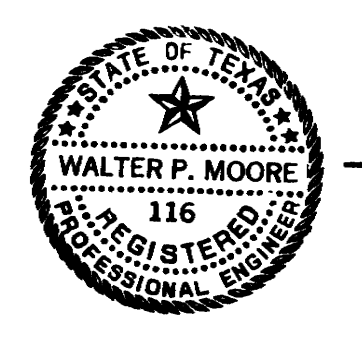
KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

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PROJECT NO. _____
DATE JULY 28, 1975
FIRST FLOOR DETAILS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





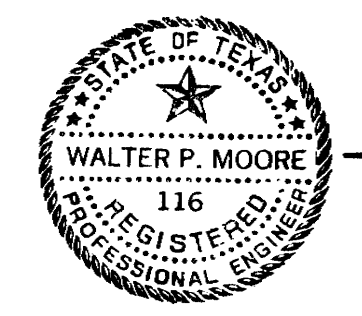
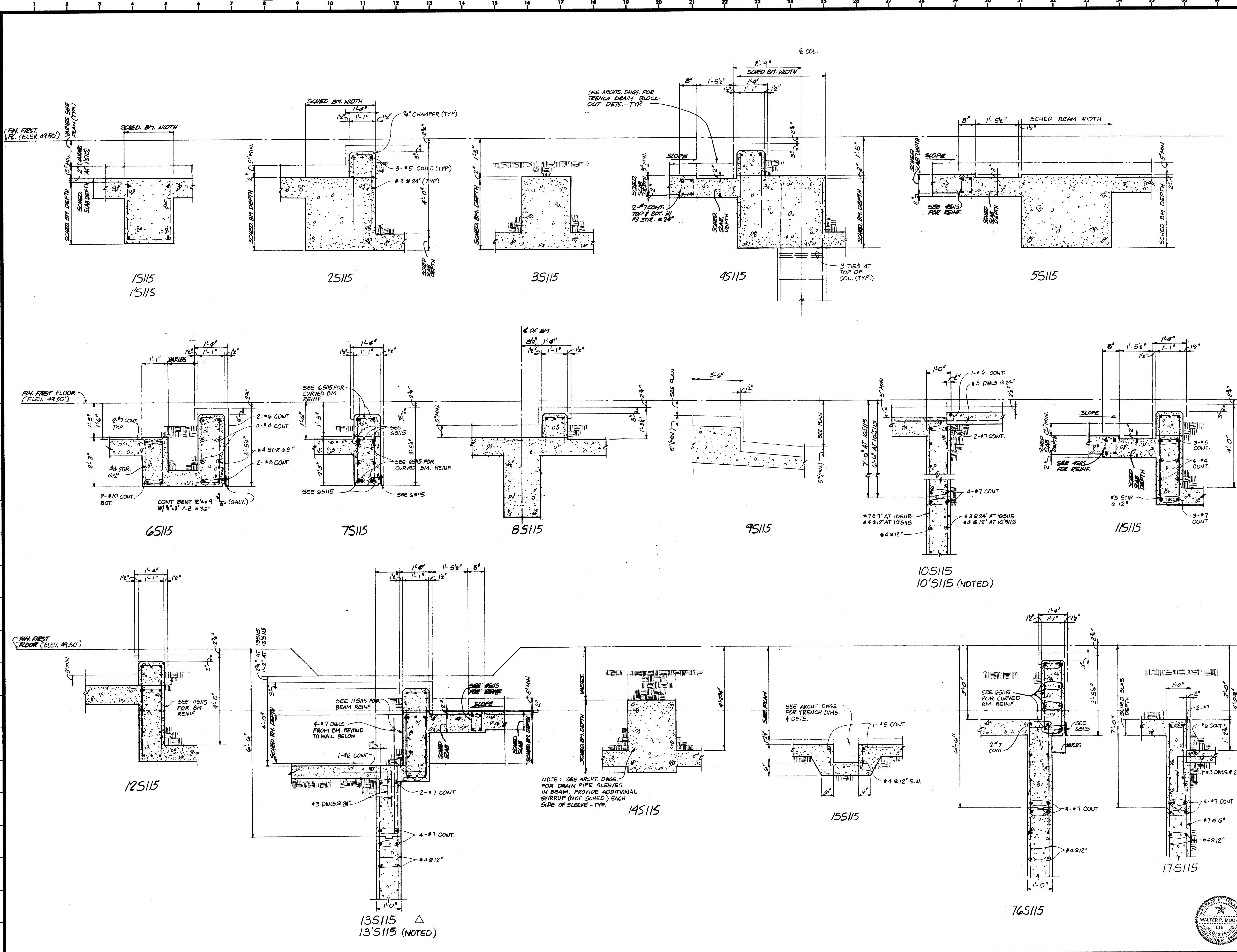
KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON, TEXAS

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PROJECT NO.
DATE JULY 28, 1975
FIRST FLOOR DETAILS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





KENNETH BENTSEN ASSOCIATES
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HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

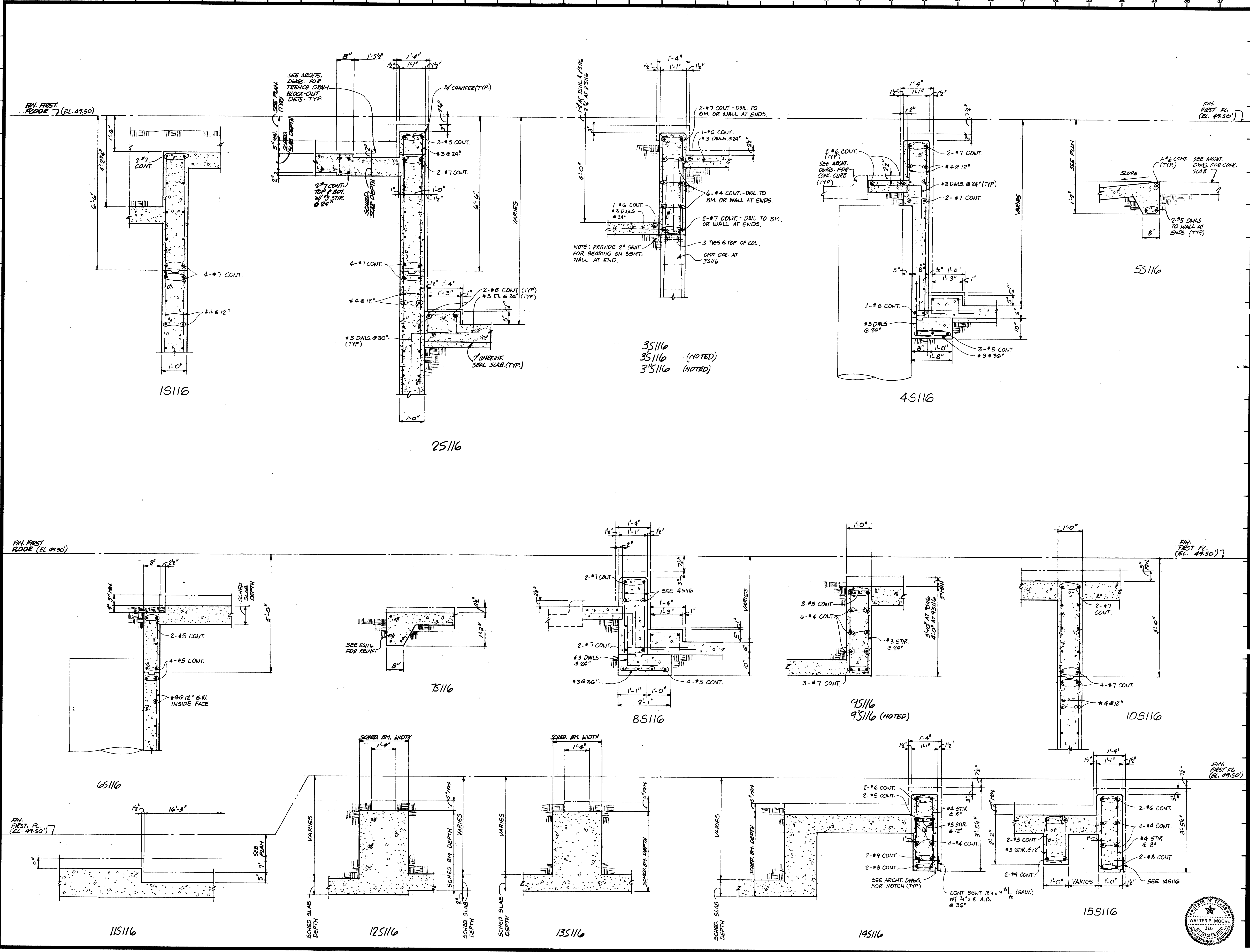
HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

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CHECKED BY
PROJECT NO.
DATE JULY 28, 1975

FIRST FLOOR DETAILS
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

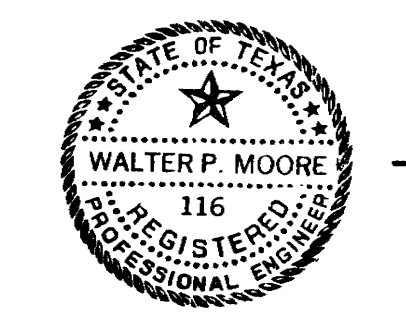


3S116
3S116 (NOTED)
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9S116
9S116 (NOTED)

15S116





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

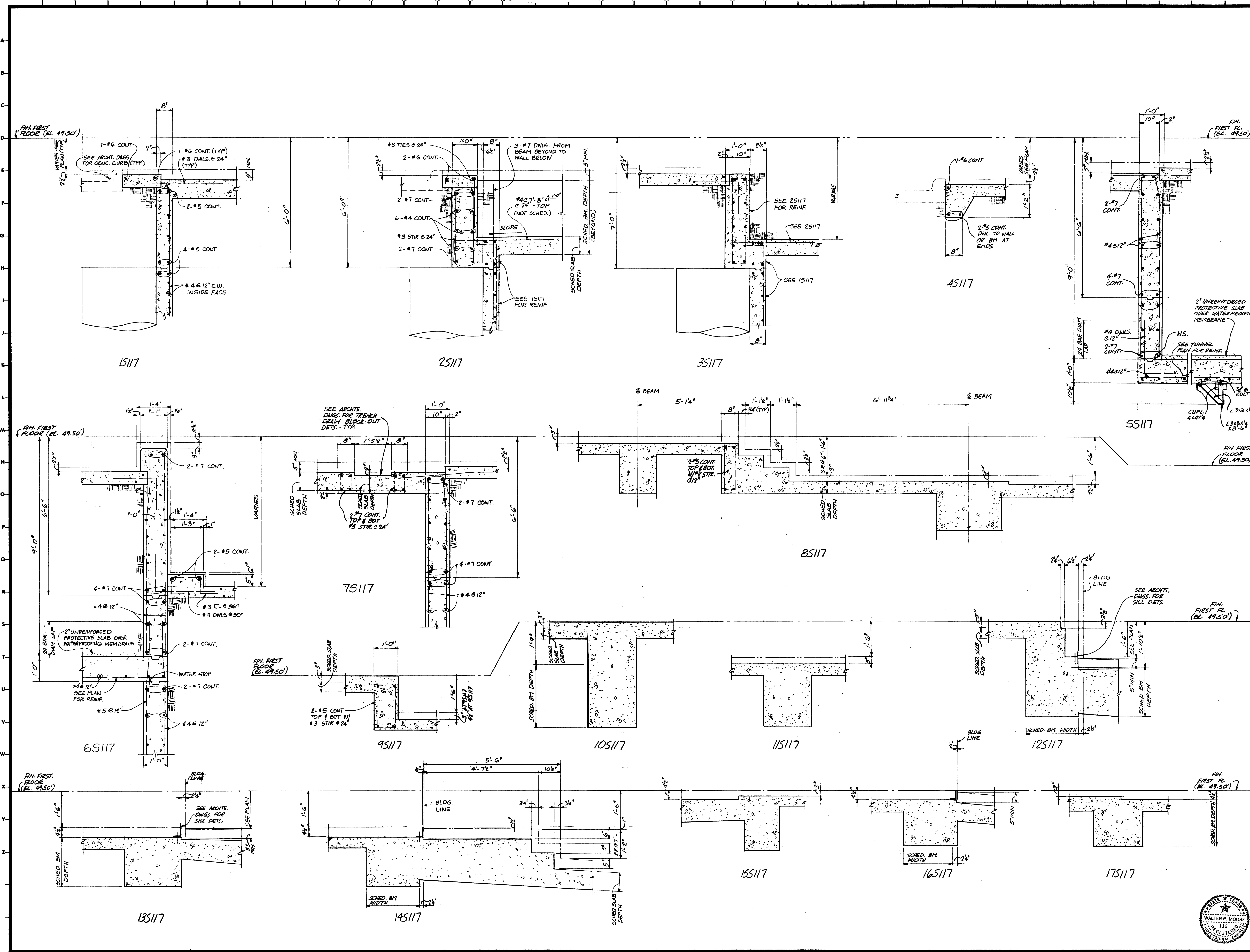
REVISIONS

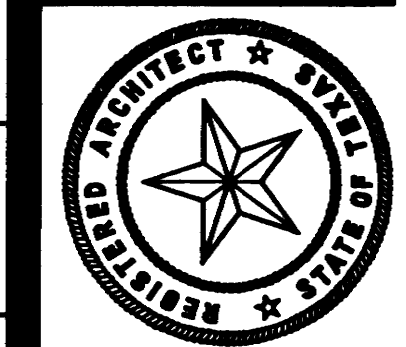
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CHECKED BY _____
PROJECT NO. _____
DATE JULY 26, 1975

FIRST FLOOR DETAILS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

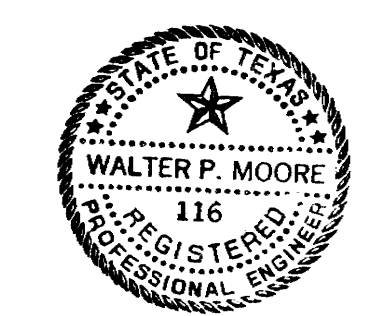
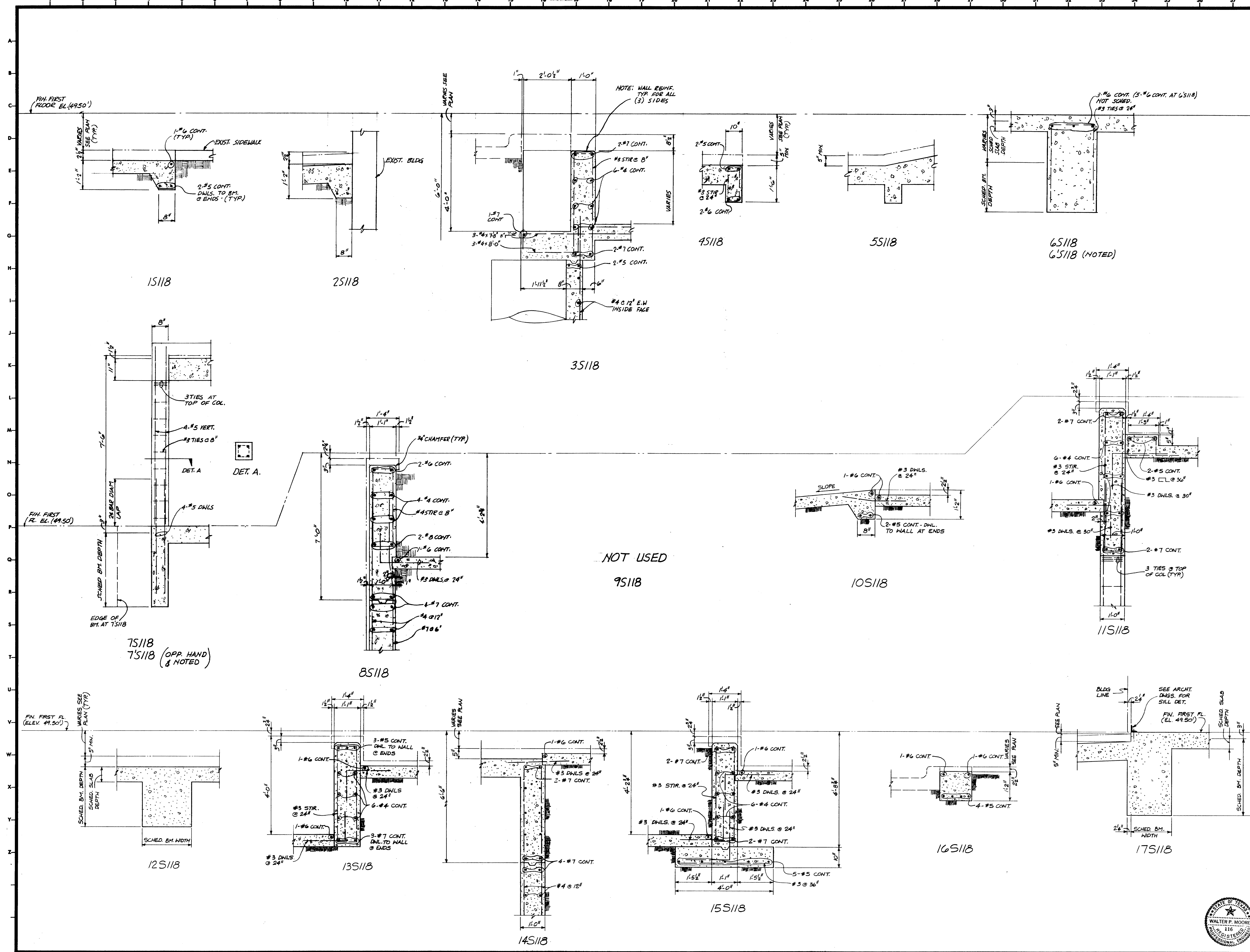
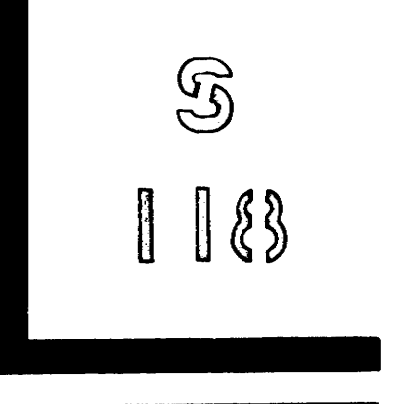
HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

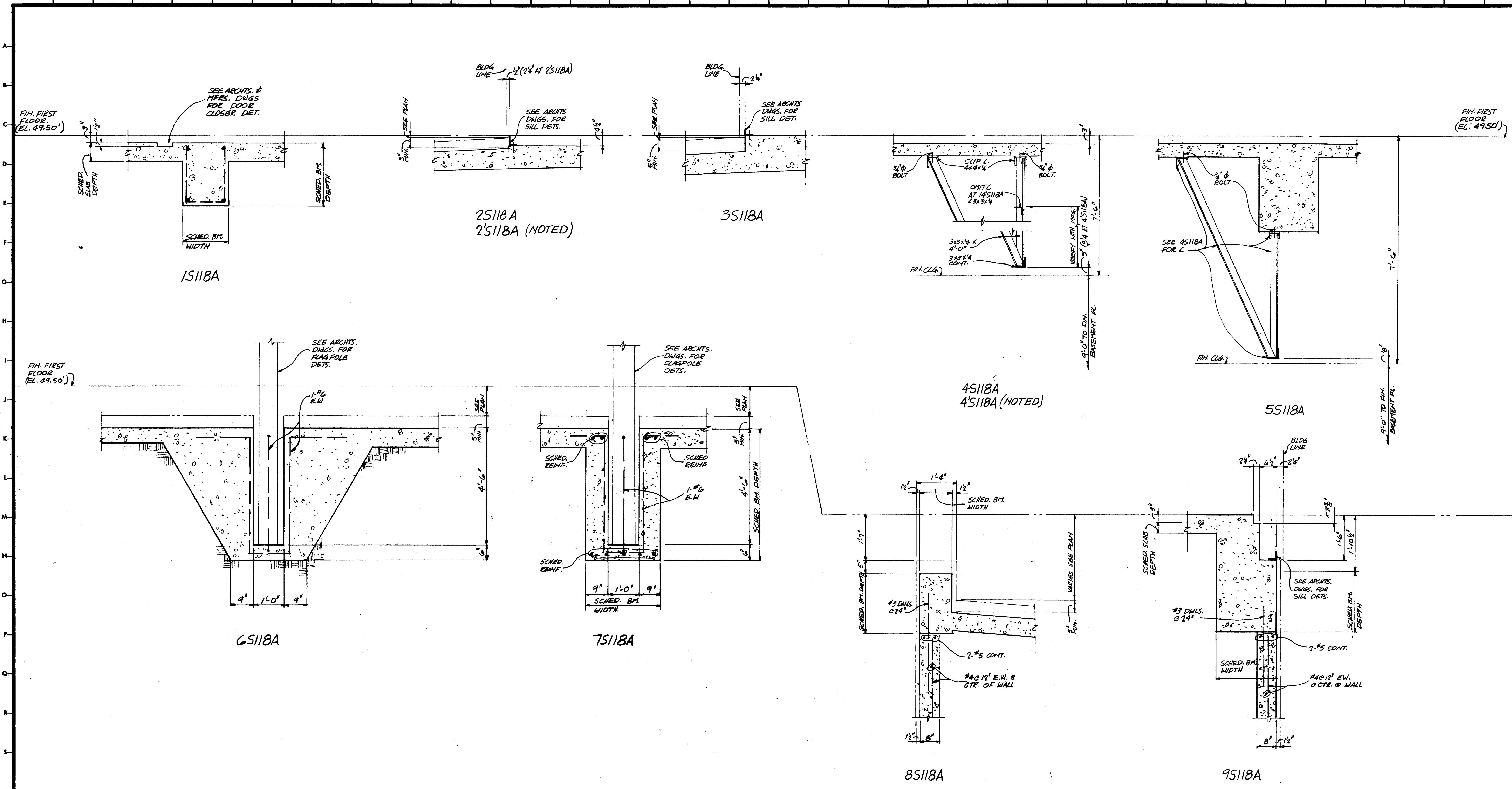
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PROJECT NO. _____
DATE JULY 28, 1975

FIRST FLOOR DETAILS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

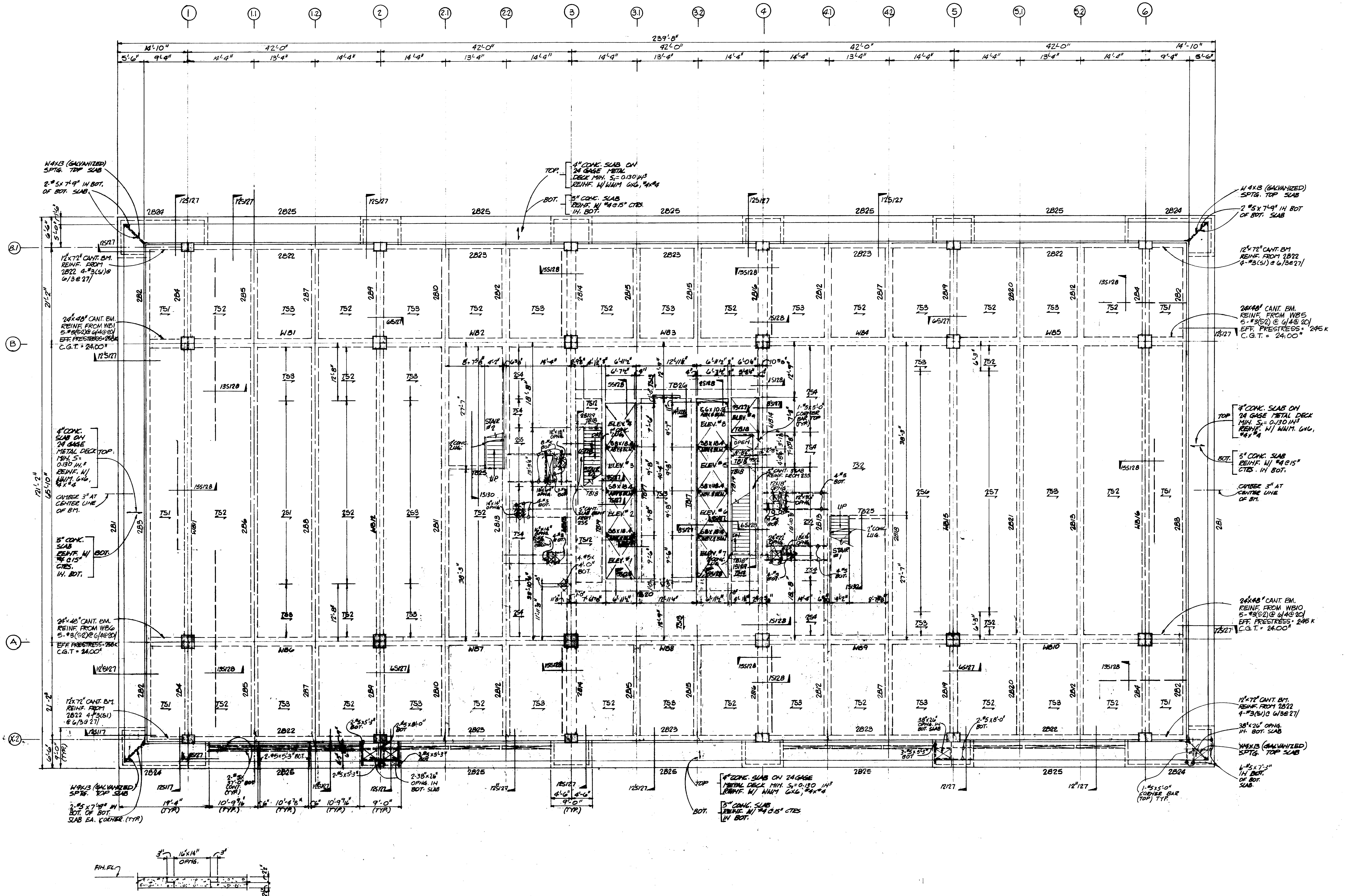
HARRIS COUNTY
ADMINISTRATION BUILDING
HOUSTON TEXAS

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PROJECT NO. _____
DATE JULY 28, 1975

FIRST FLOOR
DETAILS

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME



LIFTOUT SLAB AT
COMPUTER CABLE DUCT
(TYPICAL FLOORS 2 THRU 9)



SECOND FLOOR FRAMING PLAN

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

- REFERENCE NOTES:
1. SEE SHEET 501 FOR COLUMN SCHEDULE AND GENERAL NOTES
 2. SEE SHEET 502 FOR BEAM AND SLAB SCHEDULES
 3. SEE SHEET 504 FOR POST-TENSIONED BEAM SCHEDULE
 4. SEE SHEET 505 FOR POST-TENSIONED WIND BEAM SCHEDULE



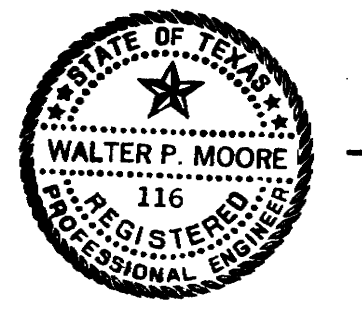
KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAILTY & BRADY CONSULTING ENGINEERS

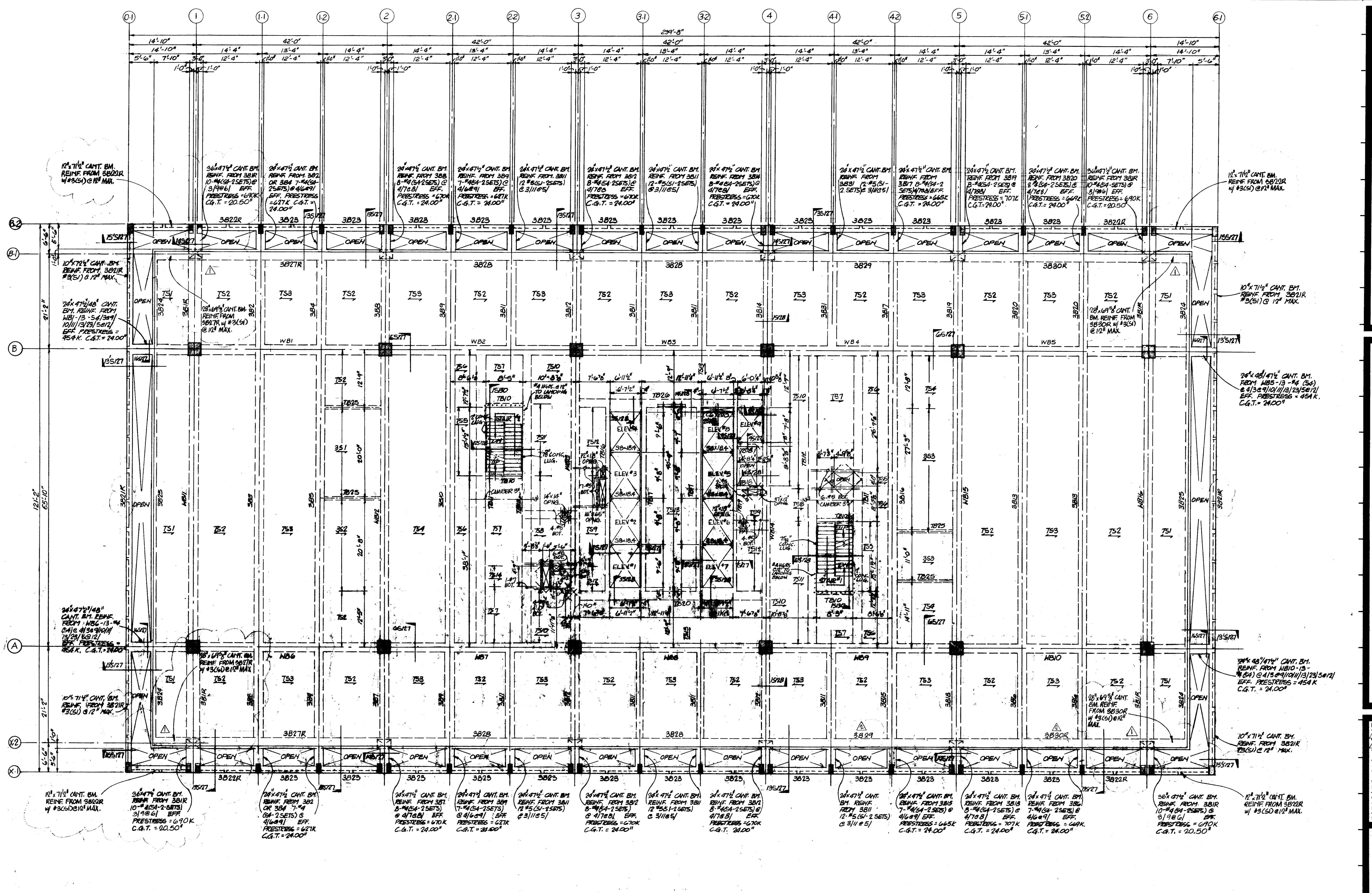
**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

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DRAWN BY
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PROJECT NO.
DATE JULY 28, 1975
SECOND FLOOR PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





THIRD FLOOR FRAMING PLAN
 SCALE: 1/8" = 1'-0"

- REFERENCE NOTES:**
1. SEE SHEET S101 FOR COLUMN SCHEDULE AND GENERAL NOTES
 2. SEE SHEET S103 FOR BEAM AND SLAB SCHEDULES
 3. SEE SHEET S104 FOR POST-TENSIONED BEAM SCHEDULE
 4. SEE SHEET S105 FOR POST-TENSIONED WIND BEAM SCHEDULE

KENNETH BENTSEN ASSOCIATES
 200 SOUTHWEST TOWER
 HOUSTON, TEXAS 77002

BRODNAX, PHENIX ASSOCIATES
 2727 WESLAVAN
 HOUSTON, TEXAS 77027

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY
ADMINISTRATION BUILDING
 HOUSTON, TEXAS

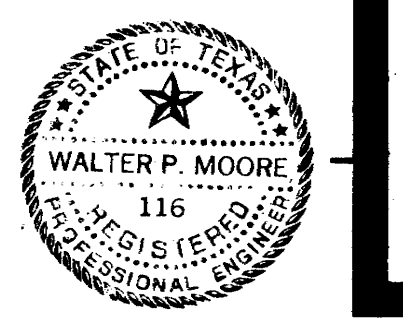
REVISIONS

1	1-17-76	CORRECT CHANGES
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DRAWN BY _____
 CHECKED BY _____
 PROJECT NO. _____
 DATE JULY 28, 1975

THIRD FLOOR PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77007
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

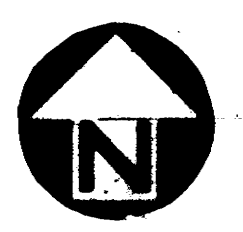
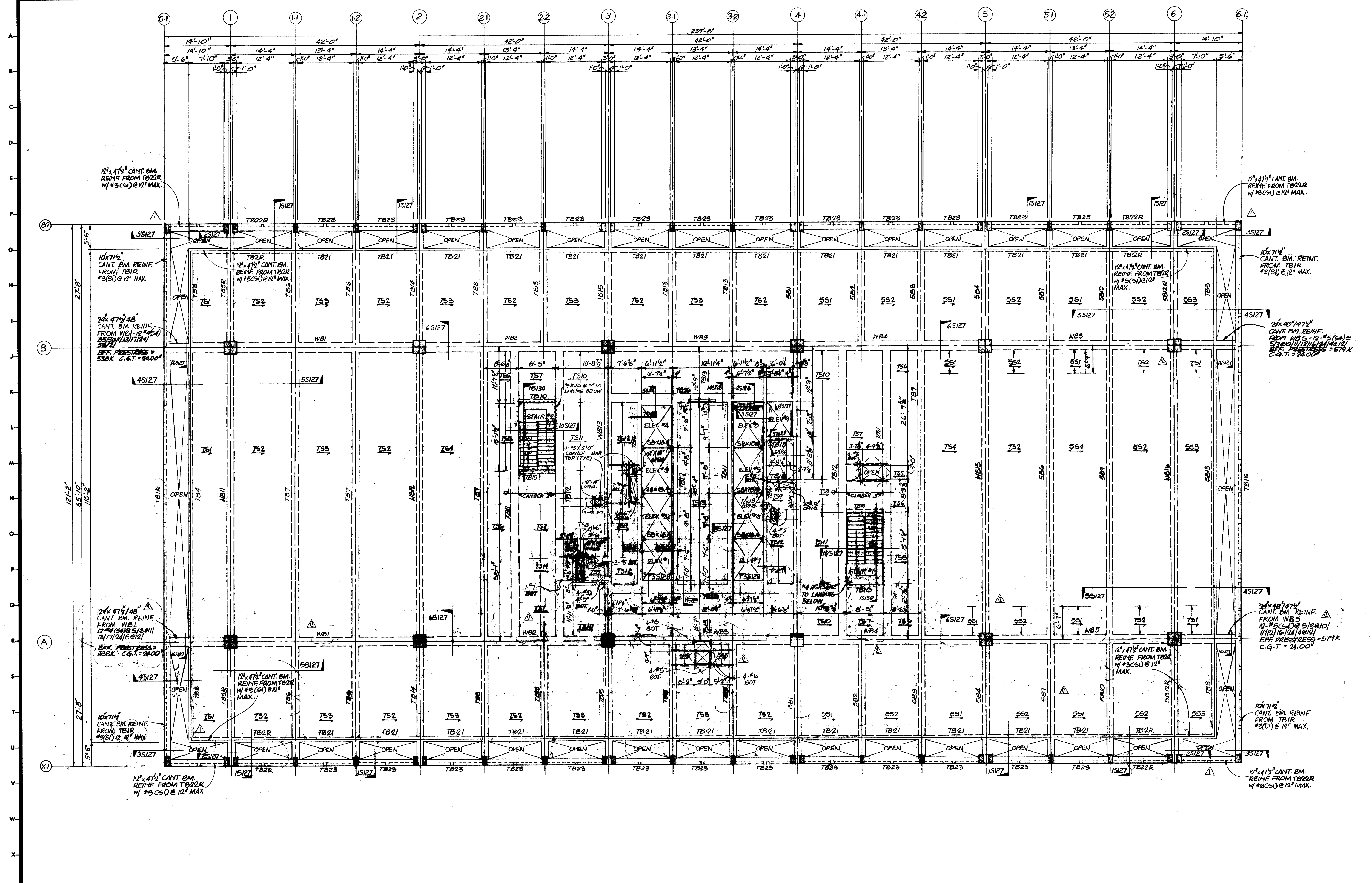
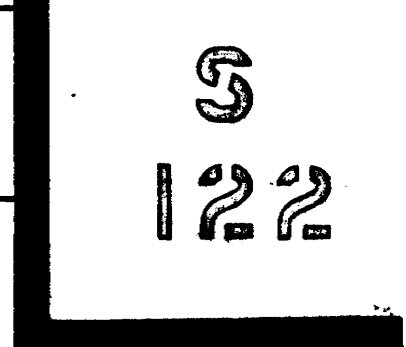
HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS
1. 4-22-76 CORNER CHANGES
2. 10-4-76 5TH FLOOR CHANGE

DRAWN BY _____
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PROJECT NO. _____
DATE JULY 28, 1975

FIFTH FLOOR PLAN

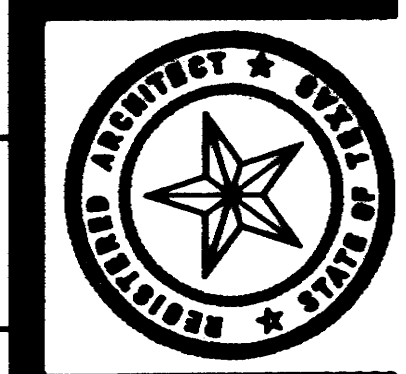
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



FIFTH FLOOR FRAMING PLAN

SCALE: 6"=1'-0"

- REFERENCE NOTES:**
1. SEE SHEET S101 FOR COLUMN SCHEDULE AND GENERAL NOTES
 2. SEE SHEET S103 FOR BEAM AND SLAB SCHEDULE
 3. SEE SHEET S104 FOR POST-TENSIONED BEAM SCHEDULE
 4. SEE SHEET S105 FOR POST-TENSIONED WIND BEAM SCHEDULE

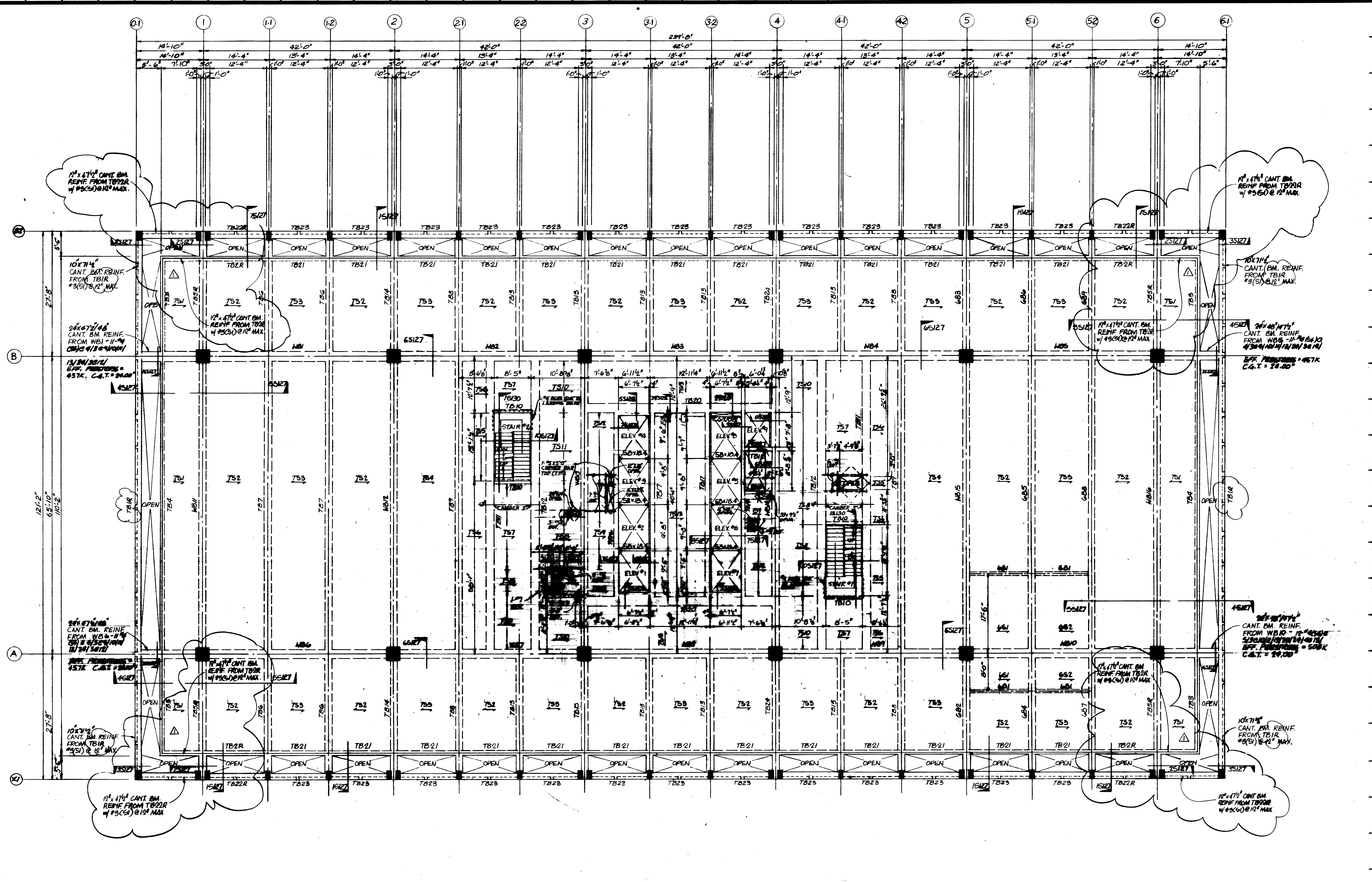


KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77007
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CONSULTING ENGINEERS
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

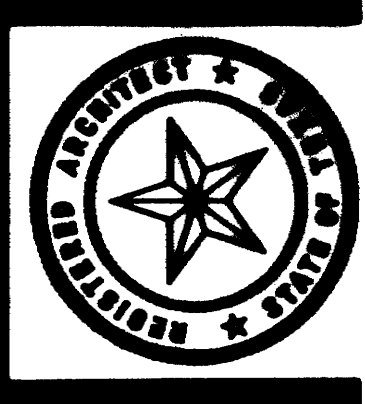
REVISIONS
1. 11-24-76 CORNER CHANGES
DRAWN BY
CHECKED BY
PROJECT NO.
DATE JULY 28, 1978
SIXTH FLOOR PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



SIXTH FLOOR FRAMING PLAN.
SCALE: 1/4" = 1'-0"

- REVISIONS NOTES:**
1. SEE SHEET S01 FOR COLUMN SCHEDULE AND BEAM SCHEDULE.
 2. SEE SHEET S02 FOR BEAM AND SLAB SCHEDULE.
 3. SEE SHEET S04 FOR POST-TENSIONED BEAM SCHEDULE.
 4. SEE SHEET S05 FOR POST-TENSIONED WIND BEAM SCHEDULE.



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAU & BRADY CONSULTING ENGINEERS

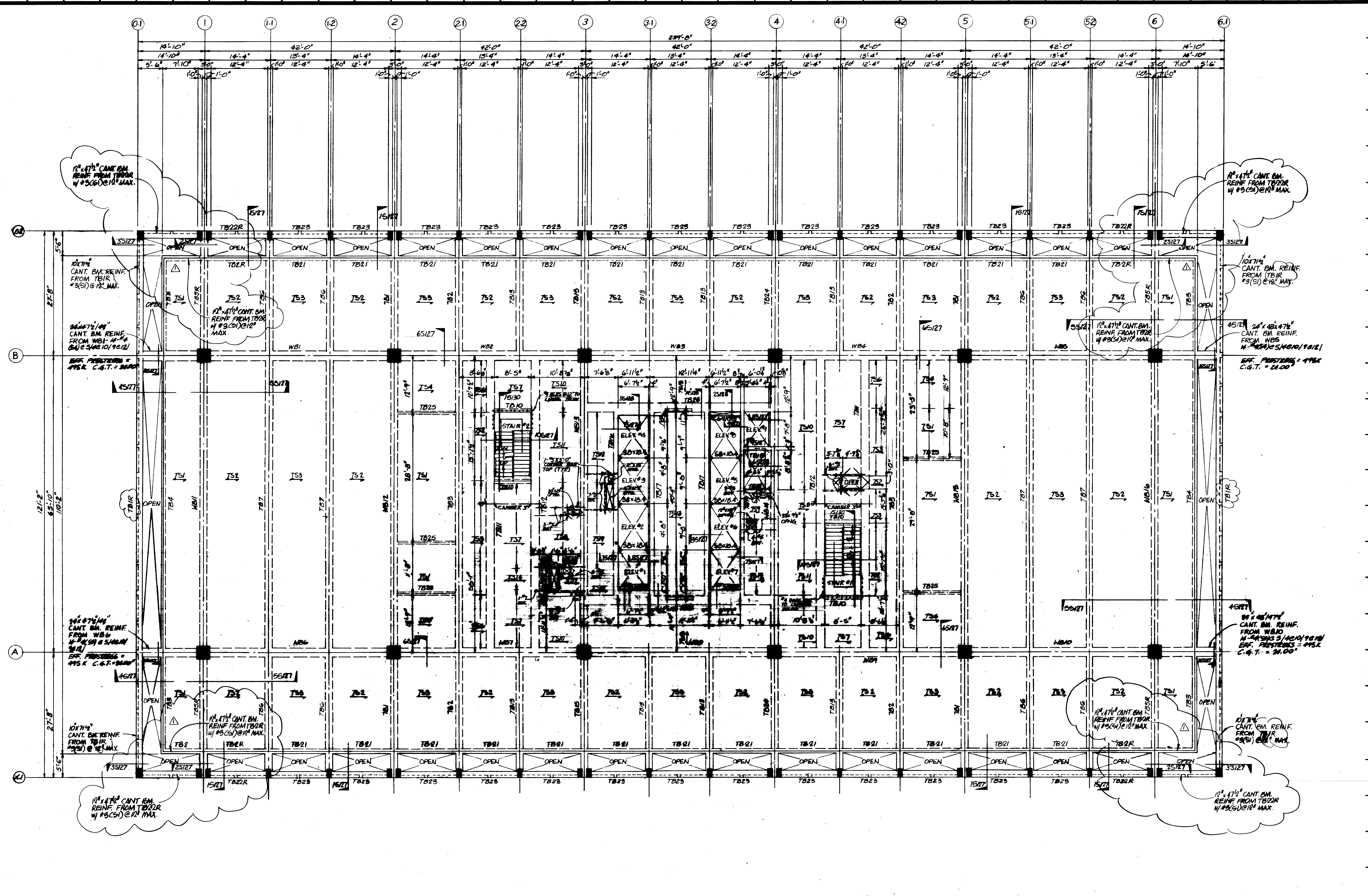
HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

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DRAWN BY
CHECKED BY
PROJECT NO.
DATE JULY 28, 1975
SEVENTH FLOOR PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



SEVENTH FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

- REFERENCE NOTES:**
1. SEE SHEET 501 FOR COLUMN SCHEDULE AND GENERAL NOTES
 2. SEE SHEET 502 FOR BEAM AND SLAB SCHEDULES
 3. SEE SHEET 503 FOR PRESTRESSING BEAM SCHEDULE
 4. SEE SHEET 504 FOR PRESTRESSING SLAB SCHEDULE



**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

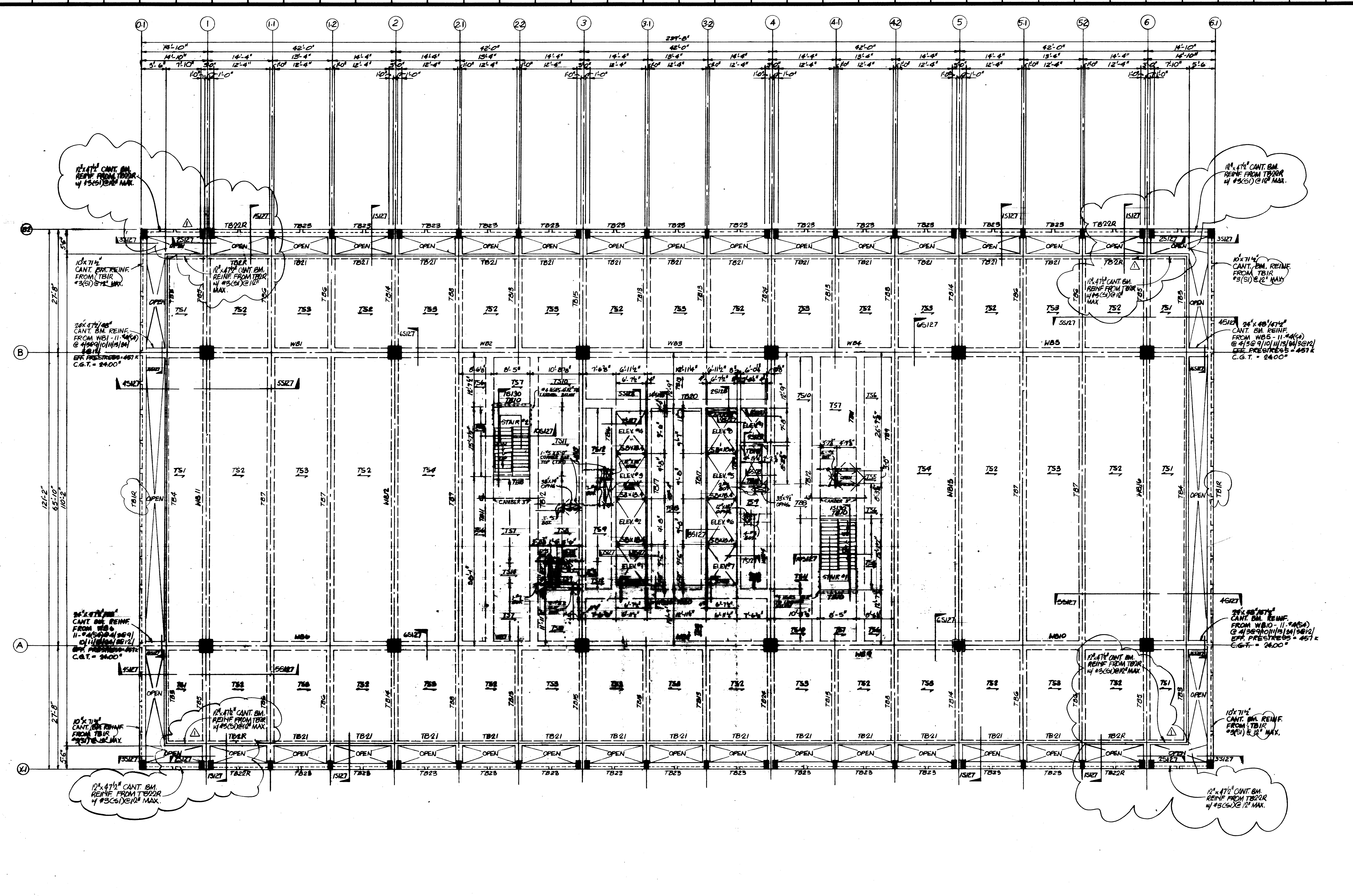
REVISIONS

1	12-16 CORNER CHANGES
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PROJECT NO.
DATE JULY 28, 1975

EIGHTH FLOOR PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



EIGHTH FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

- REFERENCE NOTES:**
- SEE SHEET 501 FOR COLUMN SCHEDULE AND DIMENSIONS.
 - SEE SHEET 502 FOR BEAM AND SLAB SCHEDULES.
 - SEE SHEET 503 FOR FOOT-RESTRICTIONS SCHEDULES.
 - SEE SHEET 504 FOR FOOT-RESTRICTIONS SCHEDULES.





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002

BROADNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77007

ANALYSTS: P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CONSULTANT: T. BERRY

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON, TEXAS

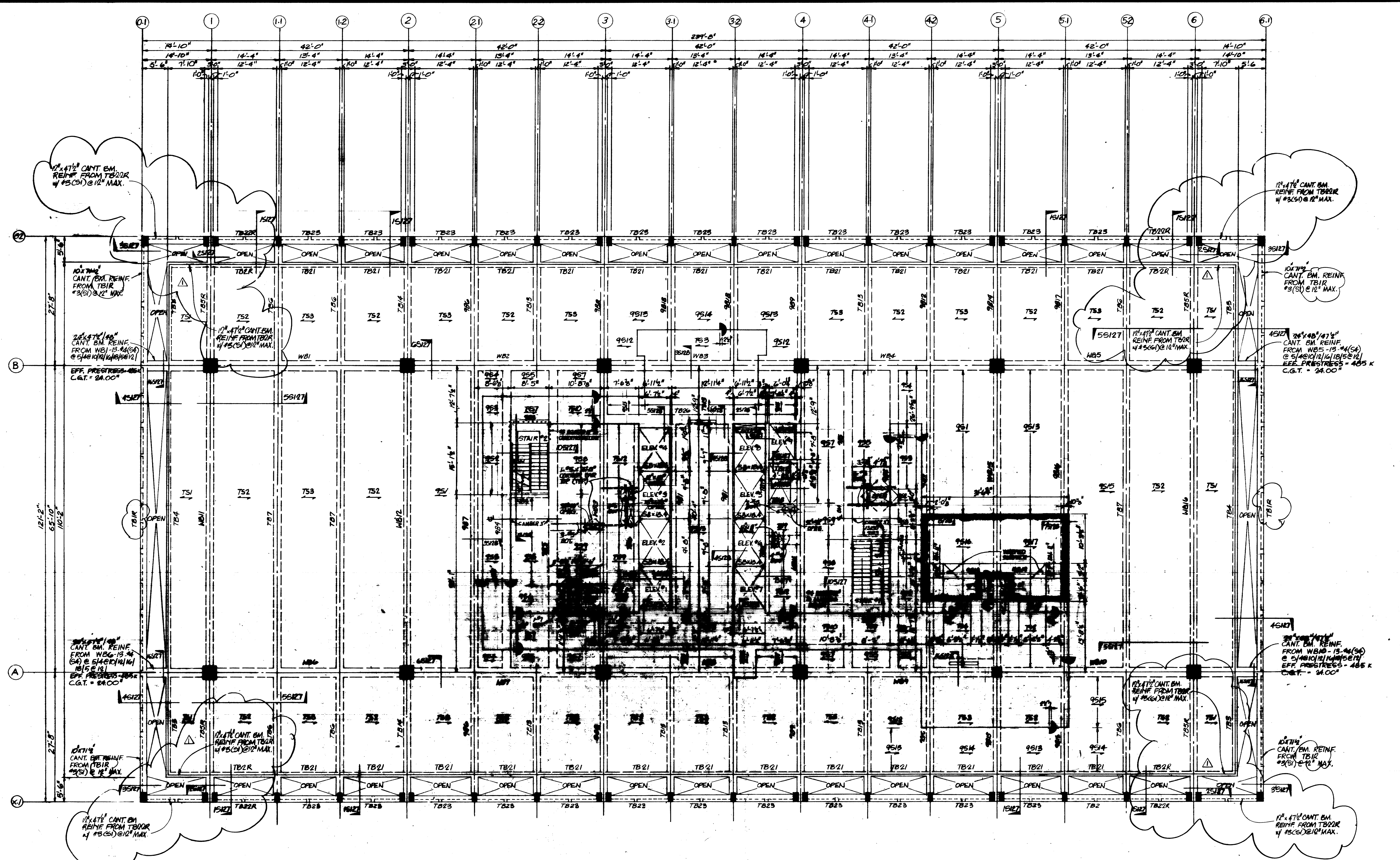
REVISIONS

1	4-1-72	76	CORNER CHANGES

DRAWN BY _____
CHECKED BY _____
PROJECT NO. _____
DATE: JULY 20, 1972

NINTH FLOOR PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

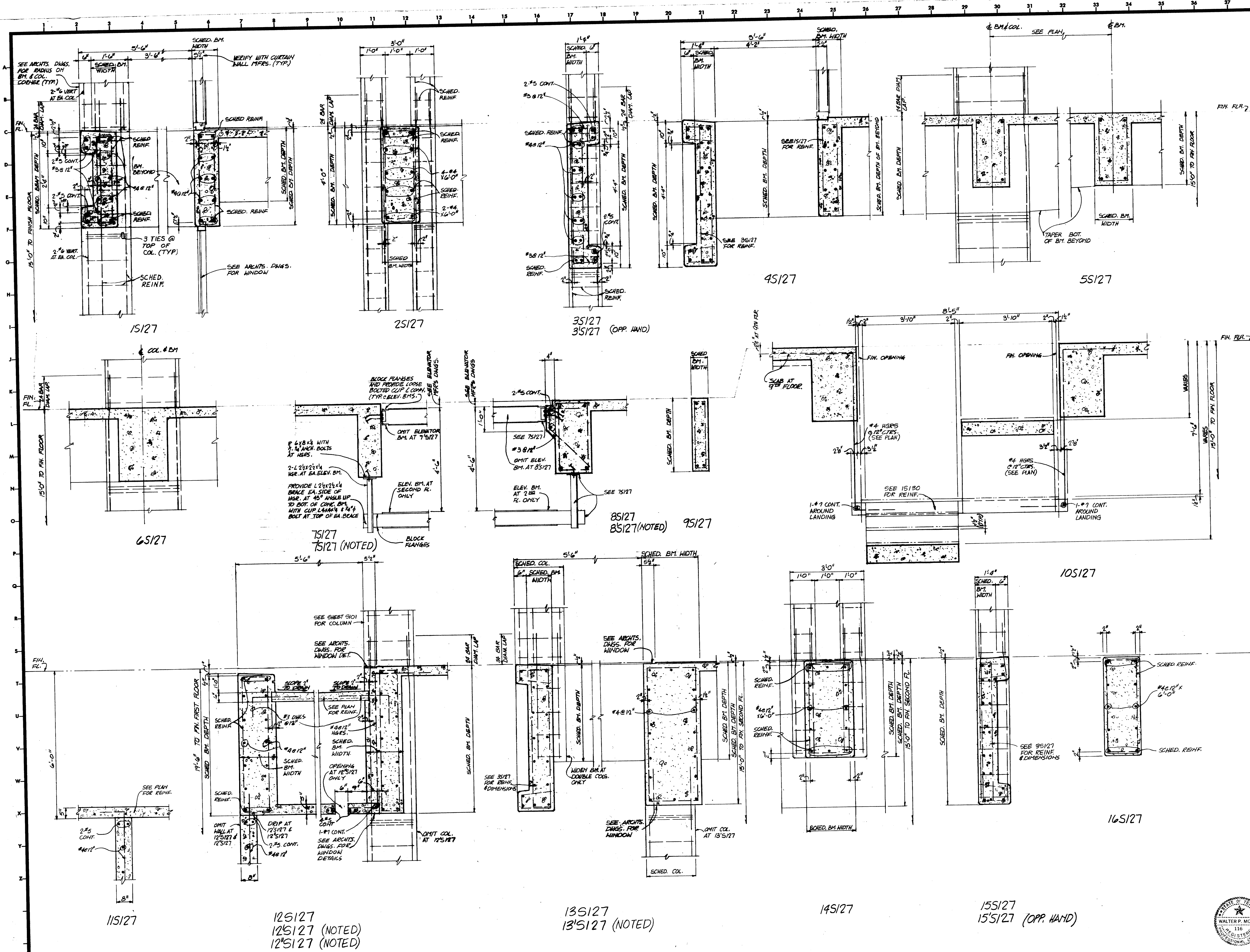


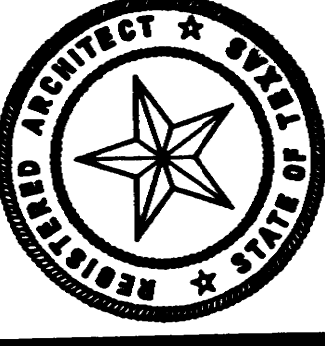
NINTH FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

REFERENCE NOTES:
1. SEE SHEET 20 FOR REVISION SCHEDULE AND
2. SEE SHEET 21 FOR REVISION SCHEDULE AND



100

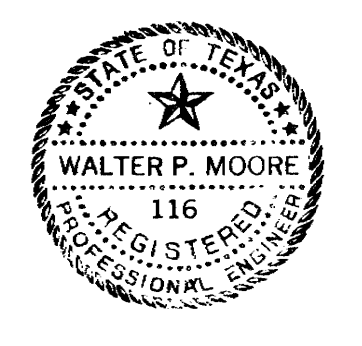


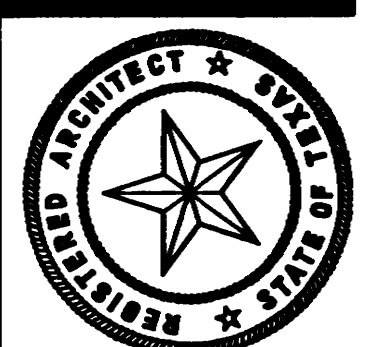
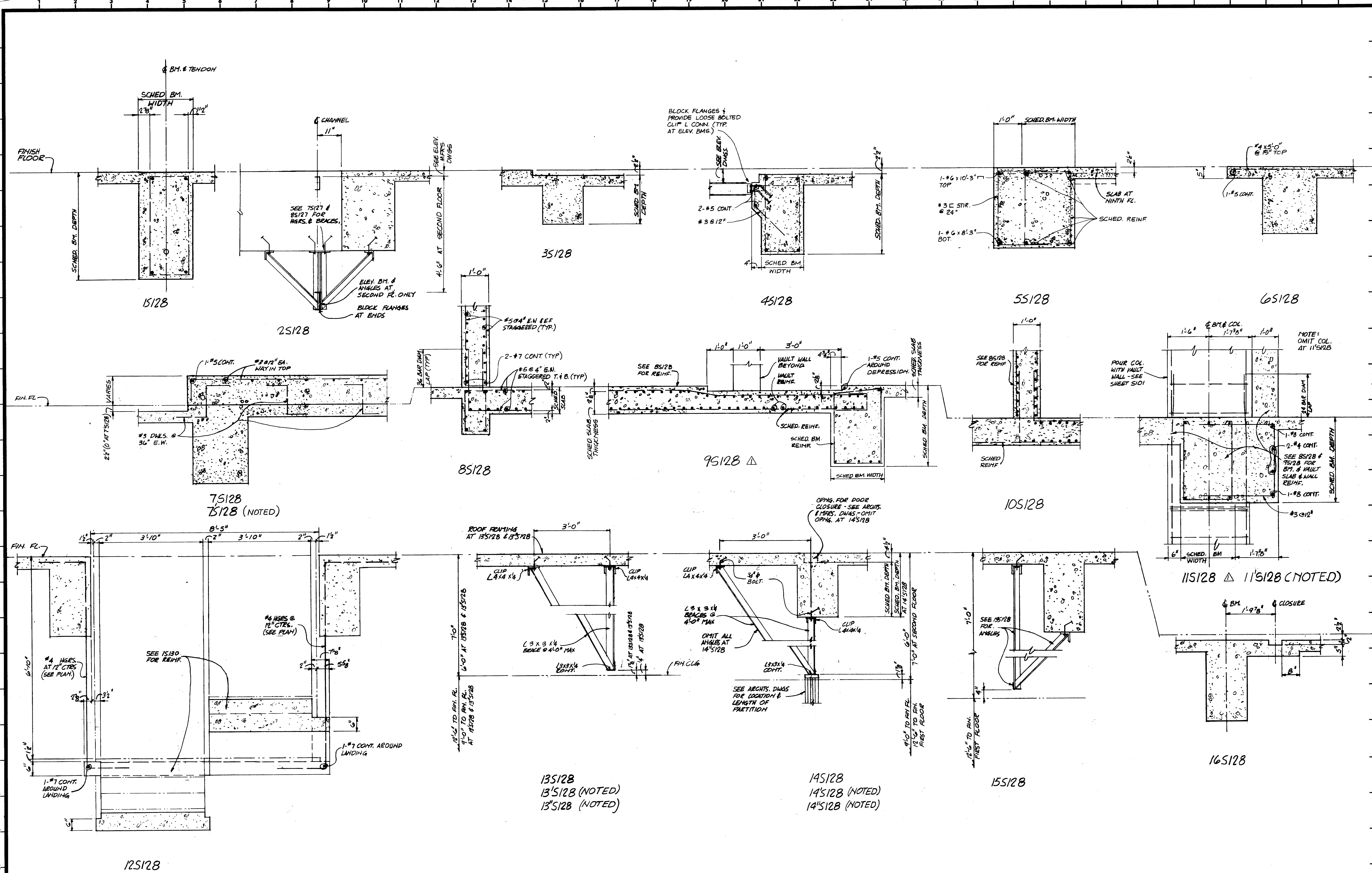

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 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY
ADMINISTRATION BUILDING
 HOUSTON, TEXAS

NO.	DATE	DESCRIPTION

DRAWN BY _____
 CHECKED BY _____
 PROJECT NO. _____
 DATE JULY 28, 1975
 TYPICAL DETAILS





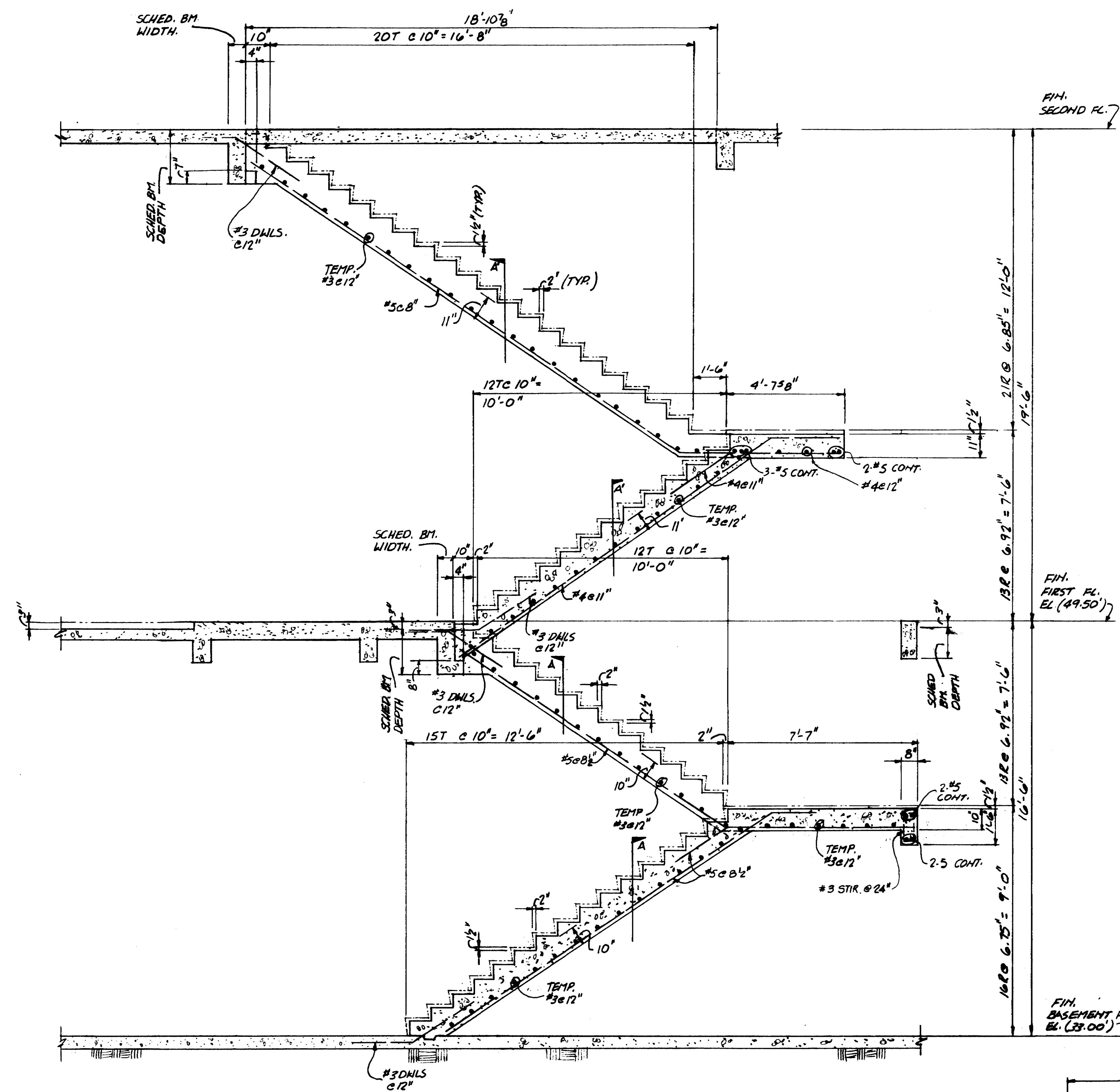
KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
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 HOUSTON, TEXAS 77027
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON TEXAS

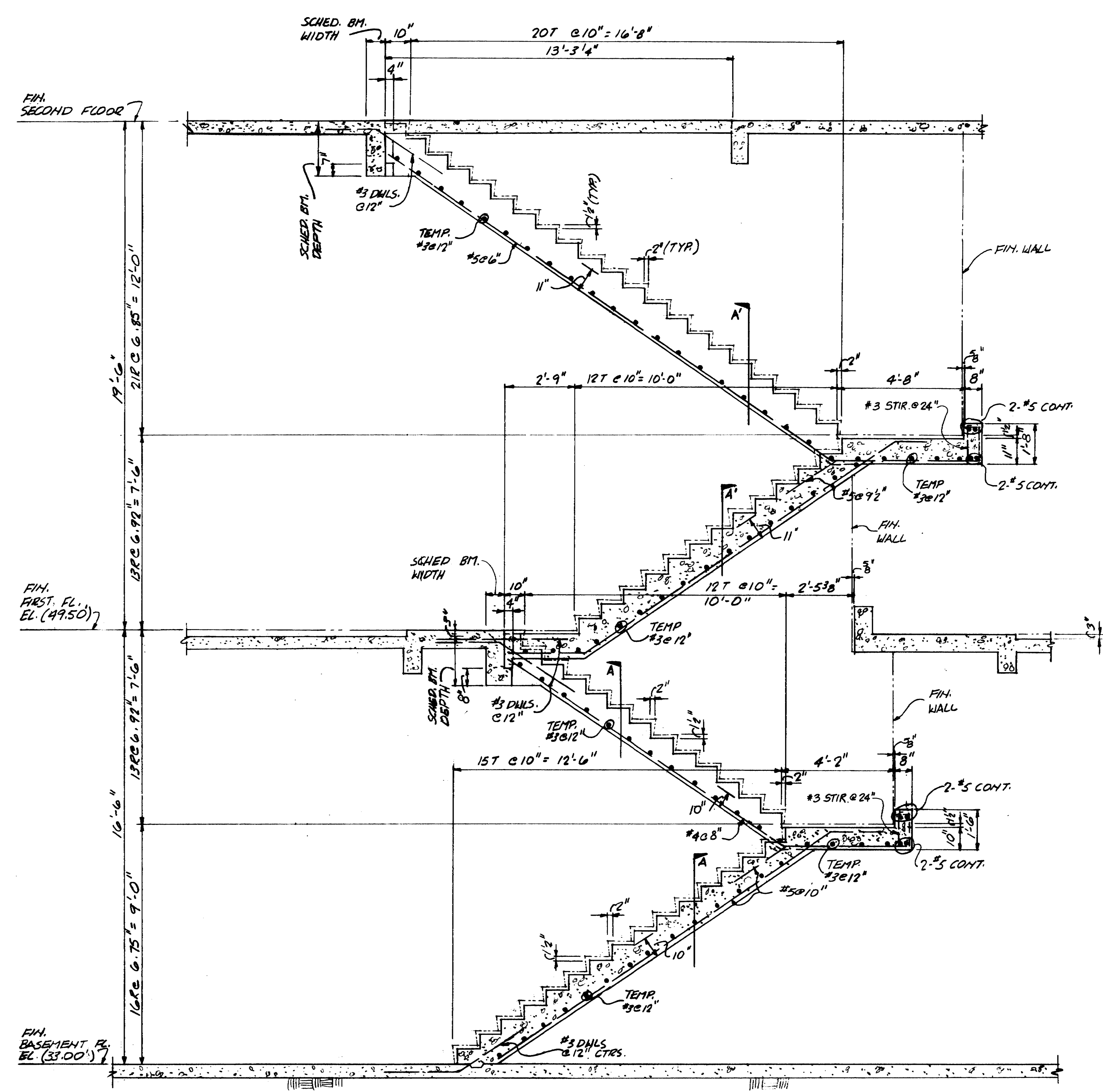
REVISIONS	
1	10-9-76 VAULT CHANGES
2	
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DRAWN BY	
CHECKED BY	
PROJECT NO.	
DATE JULY 28, 1975	

TYPICAL DETAILS

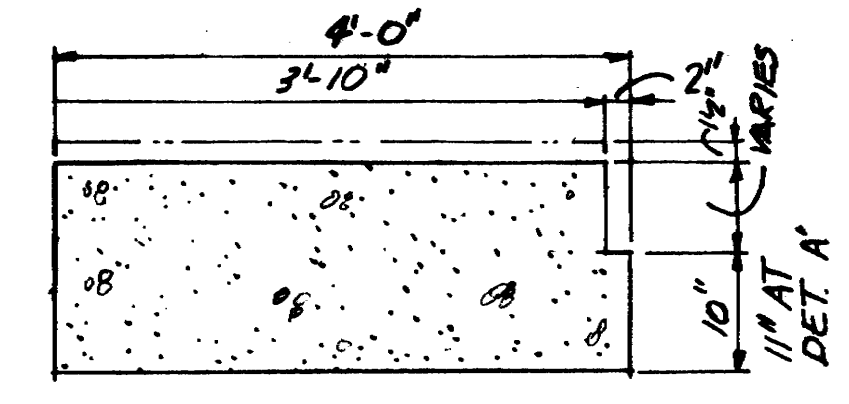
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



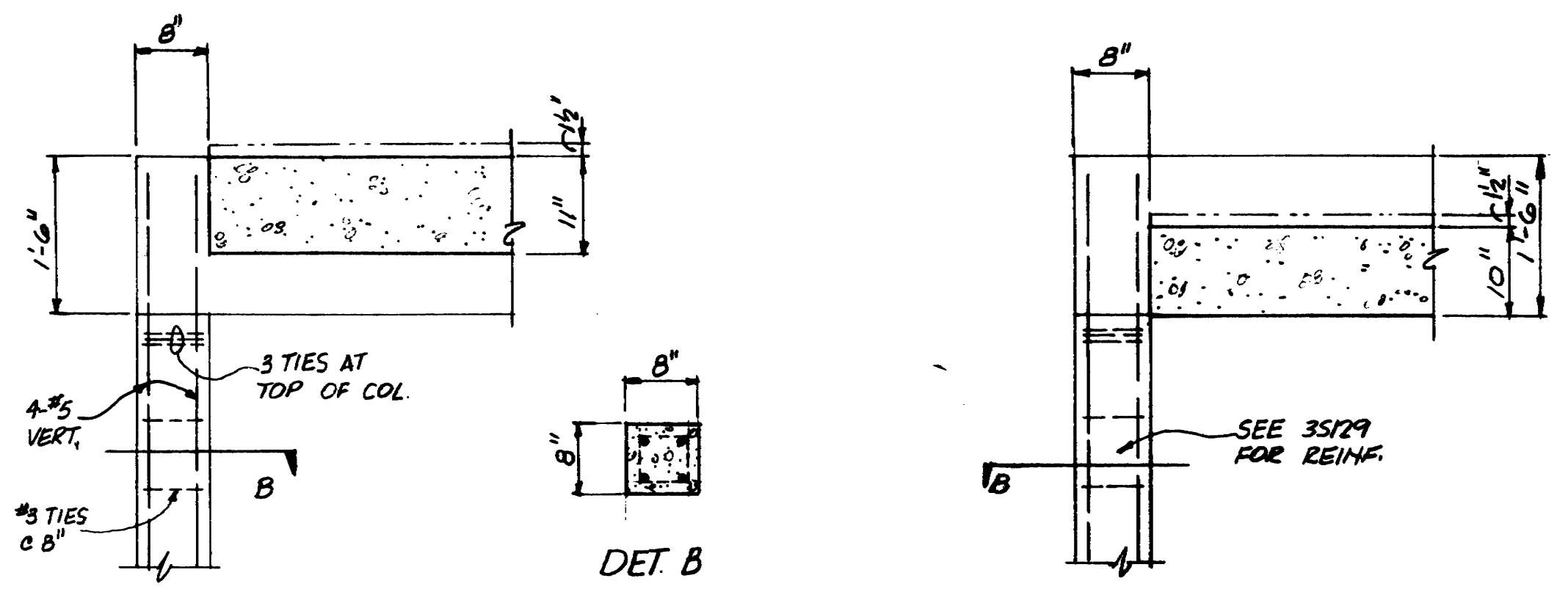
1S129 (STAIR #1)
SCALE: 3/8" = 1'-0"



2S129 (STAIR #2)
SCALE: 3/8" = 1'-0"

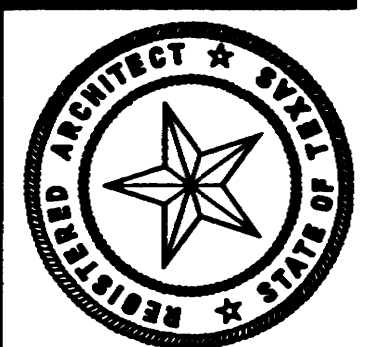


DETAIL A
DETAIL A' (NOTED)



3S129
3'S129 (OPP. HAND)

4S129
4'S129 (OPP. HAND)



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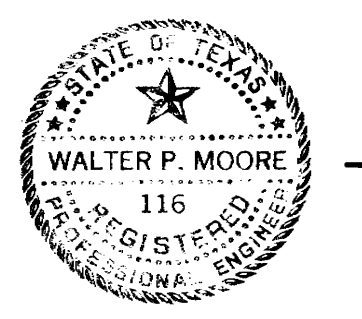
HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON, TEXAS

REVISIONS	
1	
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DRAWN BY
CHECKED BY
PROJECT NO.
DATE JULY 28, 1975

STAIR (BASEMENT TO FIRST FLOOR)

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



126



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CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

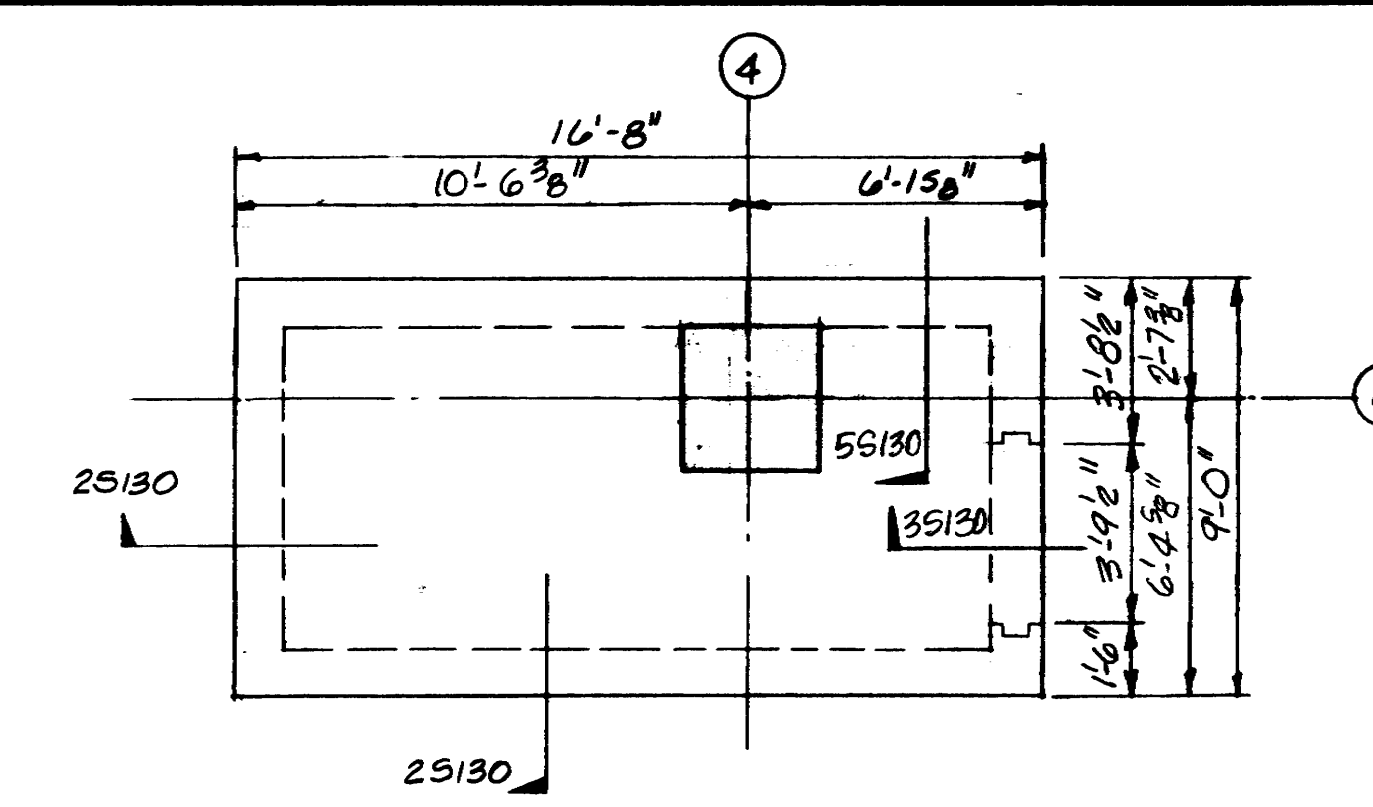
REVISIONS

1	A 10-4-76 4TH FLOOR VAULT
2	
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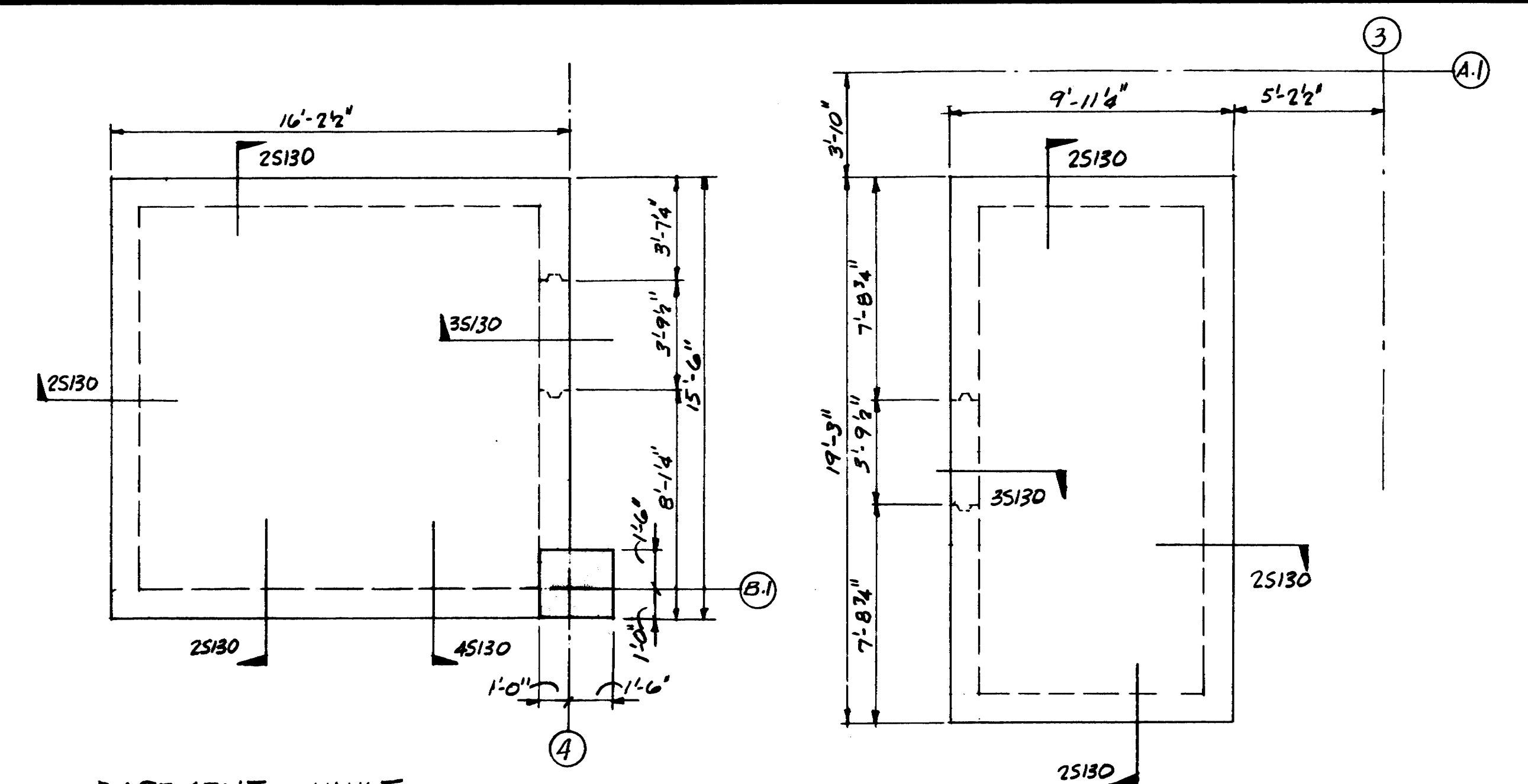
DRAWN BY
CHECKED BY
PROJECT NO.
DATE JULY 28, 1975
STAIR & VAULT ROOF PLANS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

130

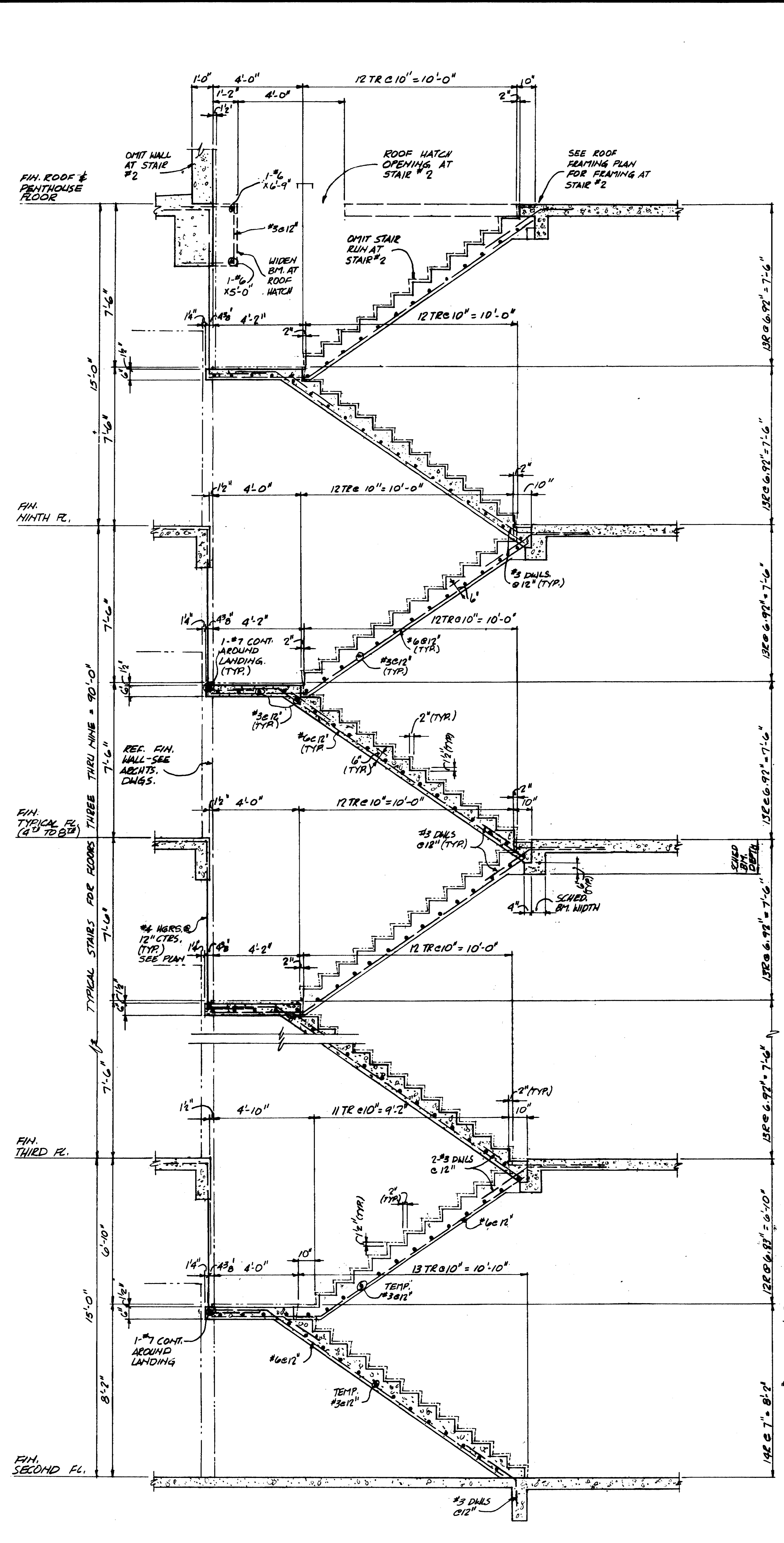
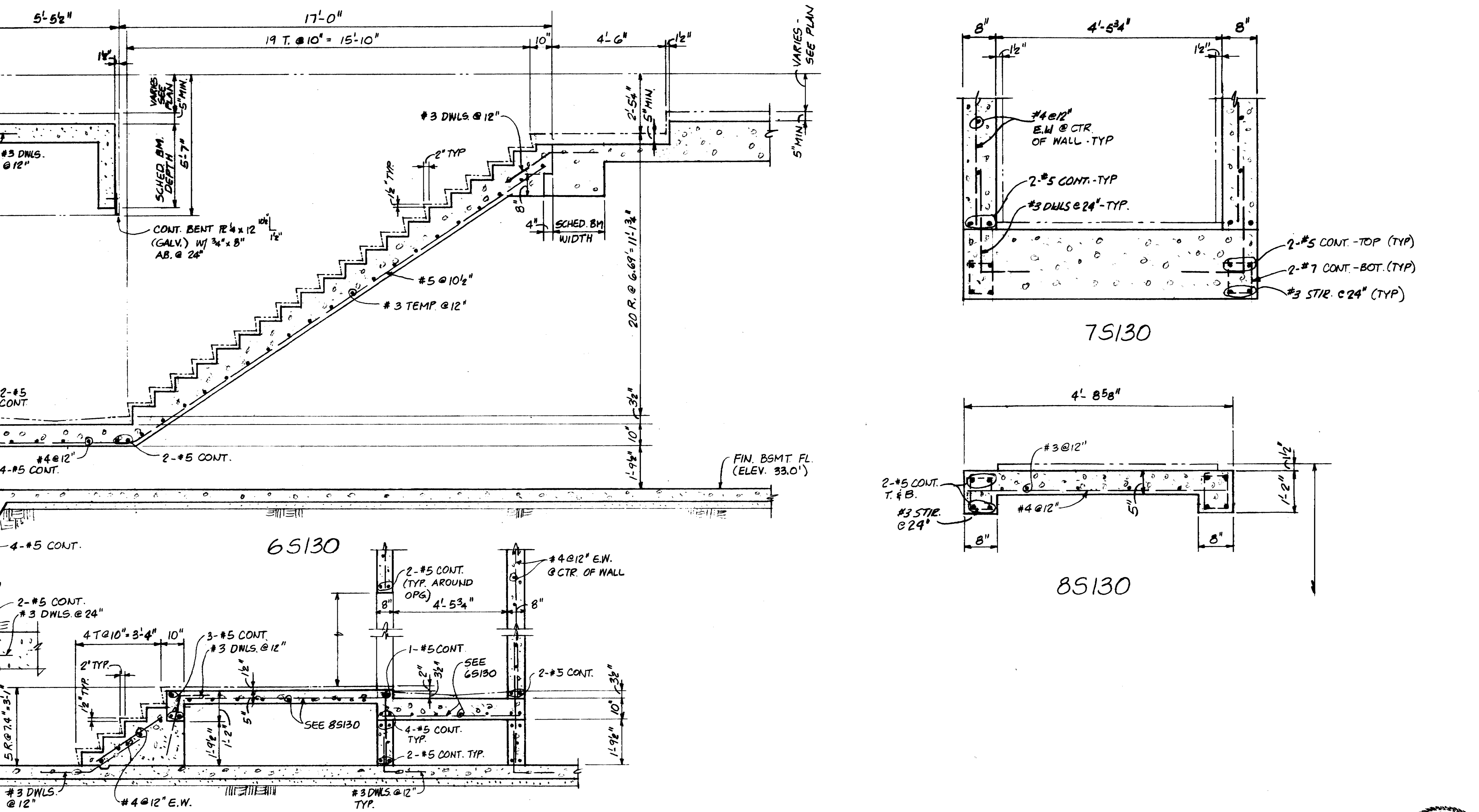
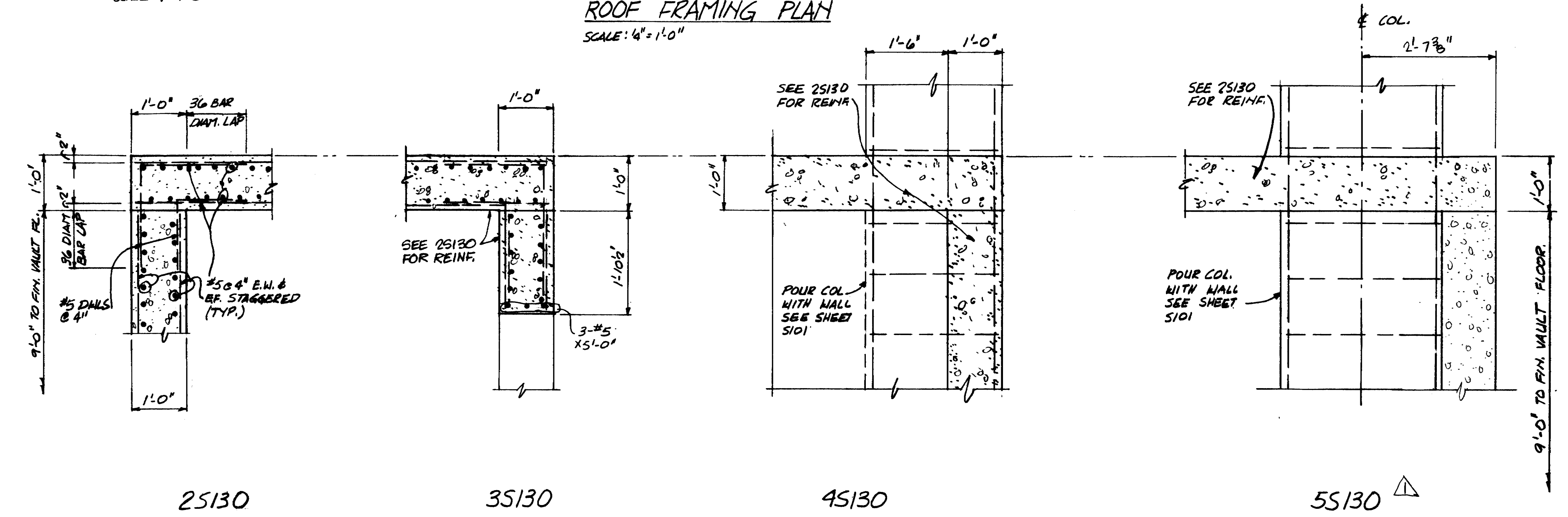


**FOURTH FLOOR VAULT
ROOF FRAMING PLAN**
SCALE: 1/4" = 1'-0"

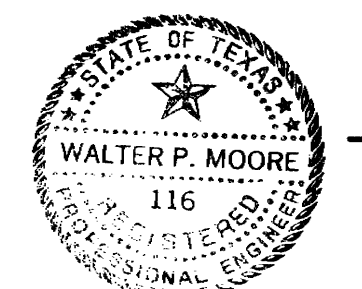


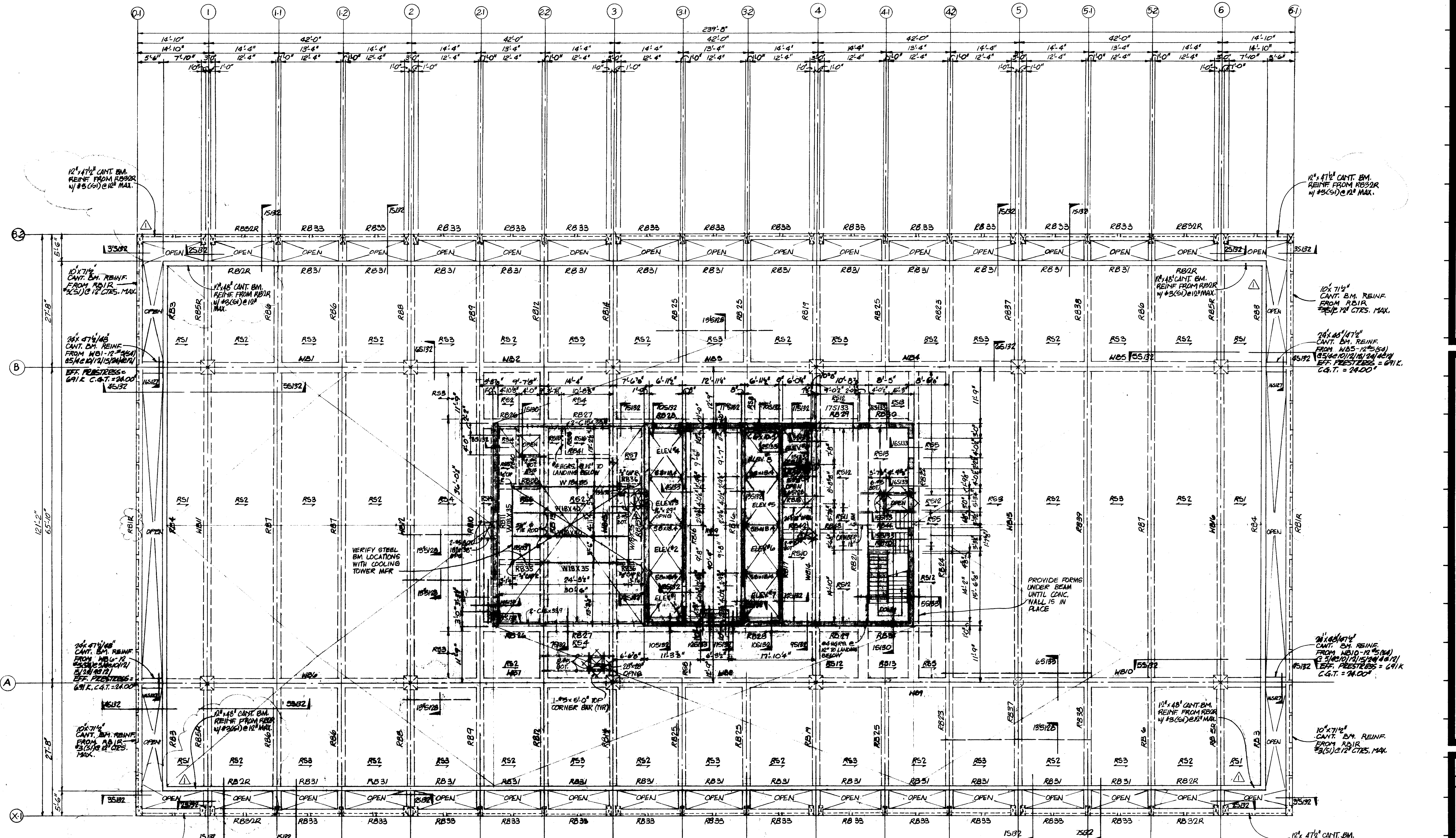
**BASEMENT VAULT
ROOF FRAMING PLAN**
SCALE: 1/4" = 1'-0"

**FIRST FLOOR VAULT
ROOF FRAMING PLAN**
SCALE: 1/4" = 1'-0"



15130
SCALE: 3/8" = 1'-0"
(SEE SHEET S129 FOR CONT. OF STAIR FRAMING)

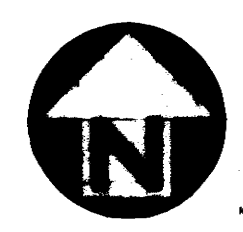




ROOF AND PENTHOUSE FRAMING PLAN

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

- REFERENCE NOTES:**
1. SEE SHEET S101 FOR COLUMN SCHEDULE AND GENERAL NOTES
 2. SEE SHEET S103 FOR BEAM AND SLAB SCHEDULES
 3. SEE SHEET S104 FOR POST-TENSIONED BEAM SCHEDULE
 4. SEE SHEET S106 FOR POST-TENSIONED WIND BEAM SCHEDULE



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CHENAU & BRADY

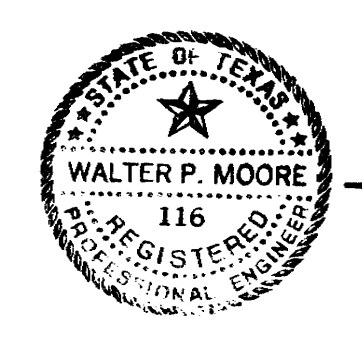
HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

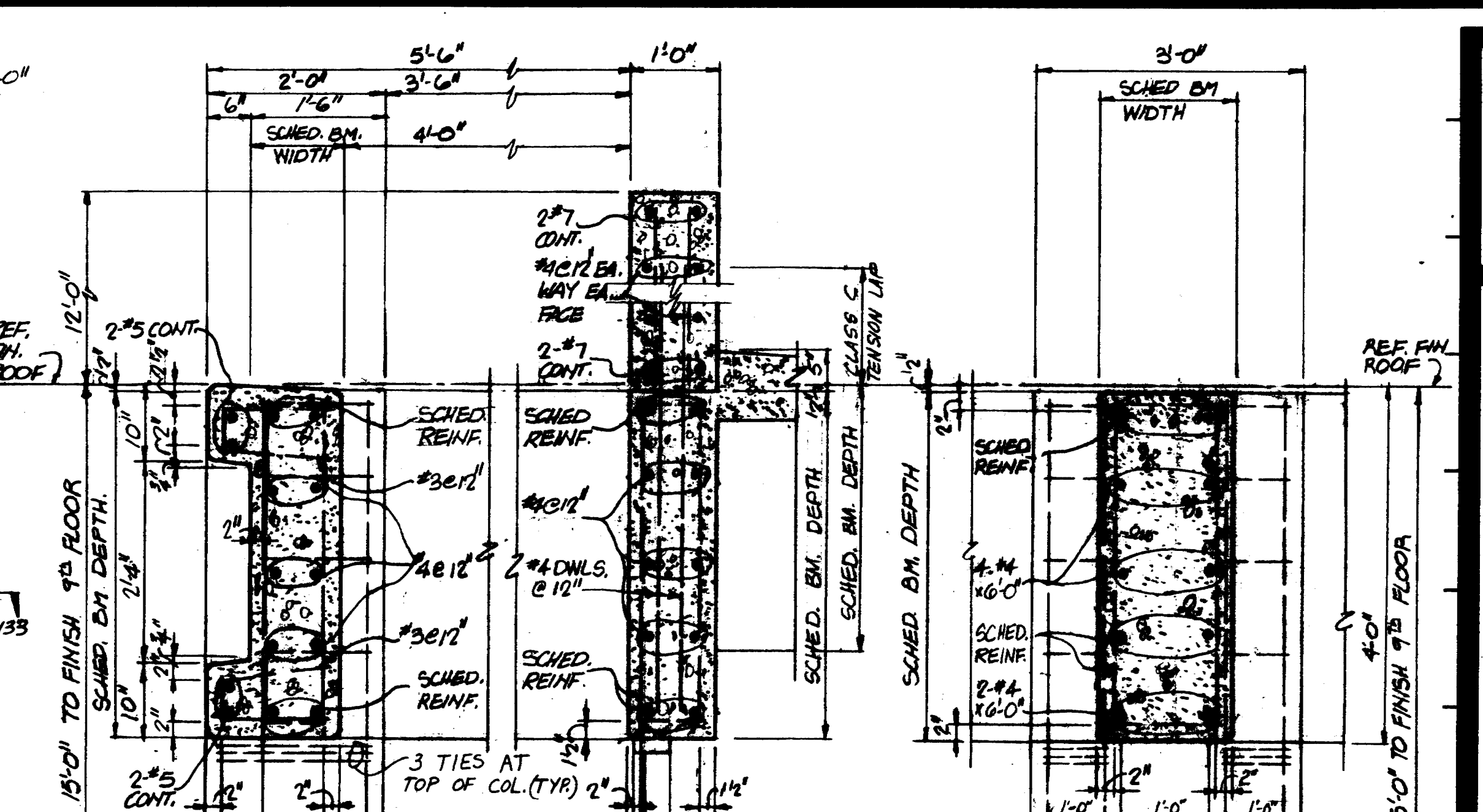
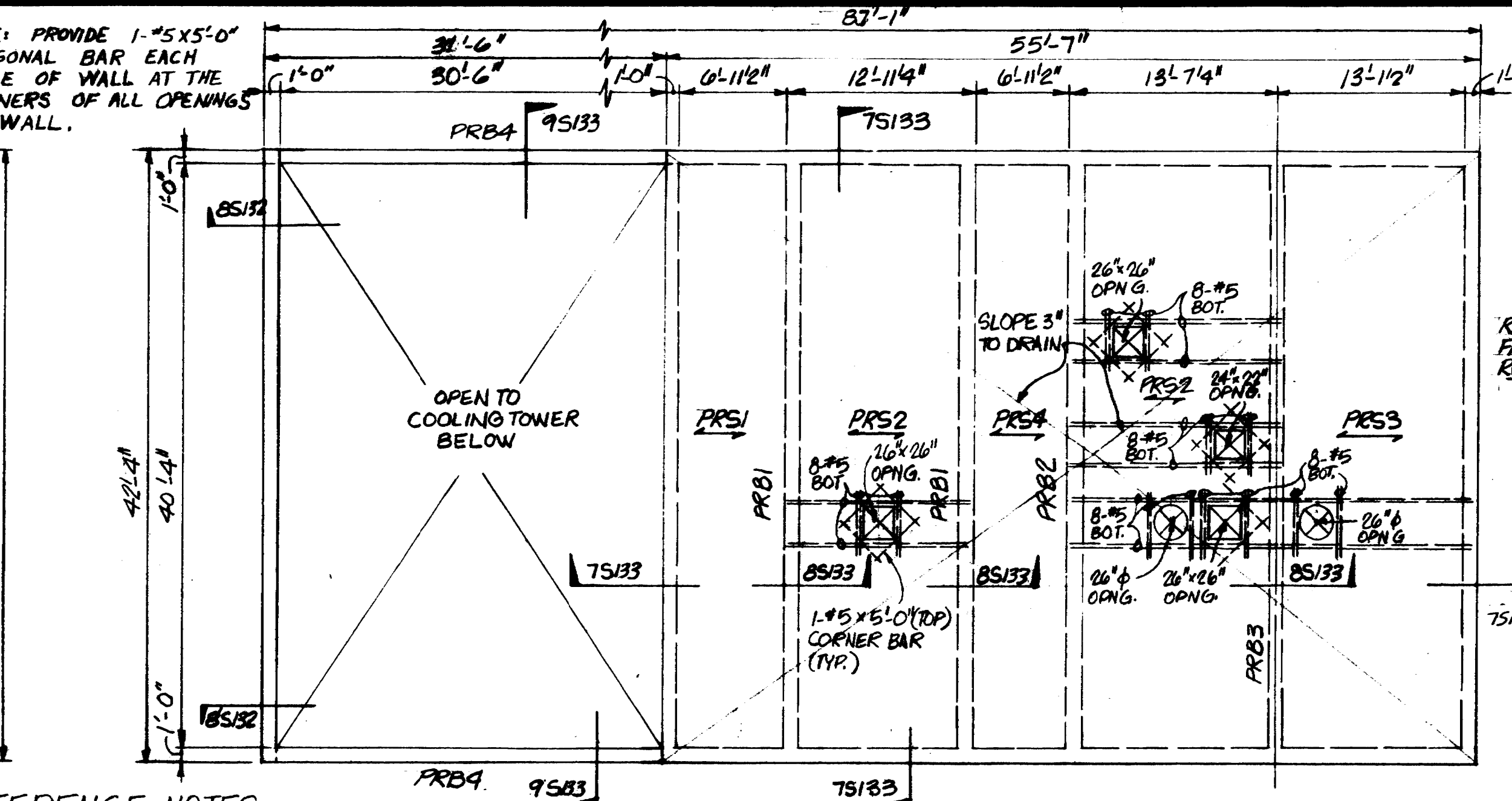
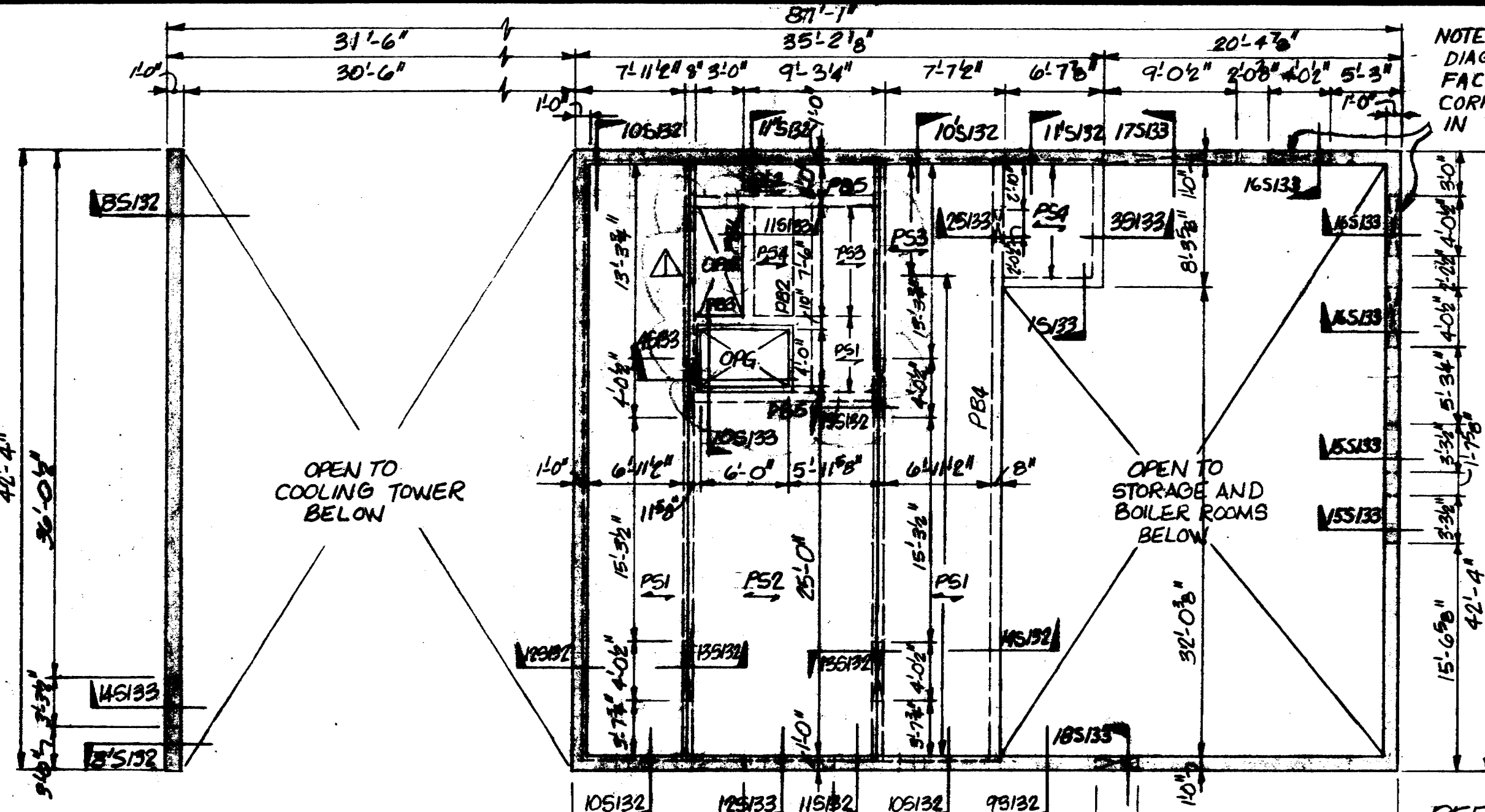
REVISIONS

1	4-18-76 CORNER CHANGES
2	3-16-76 BM. MARK CHANGE

DRAWN BY _____
CHECKED BY _____
PROJECT NO. _____
DATE JULY 28, 1975

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

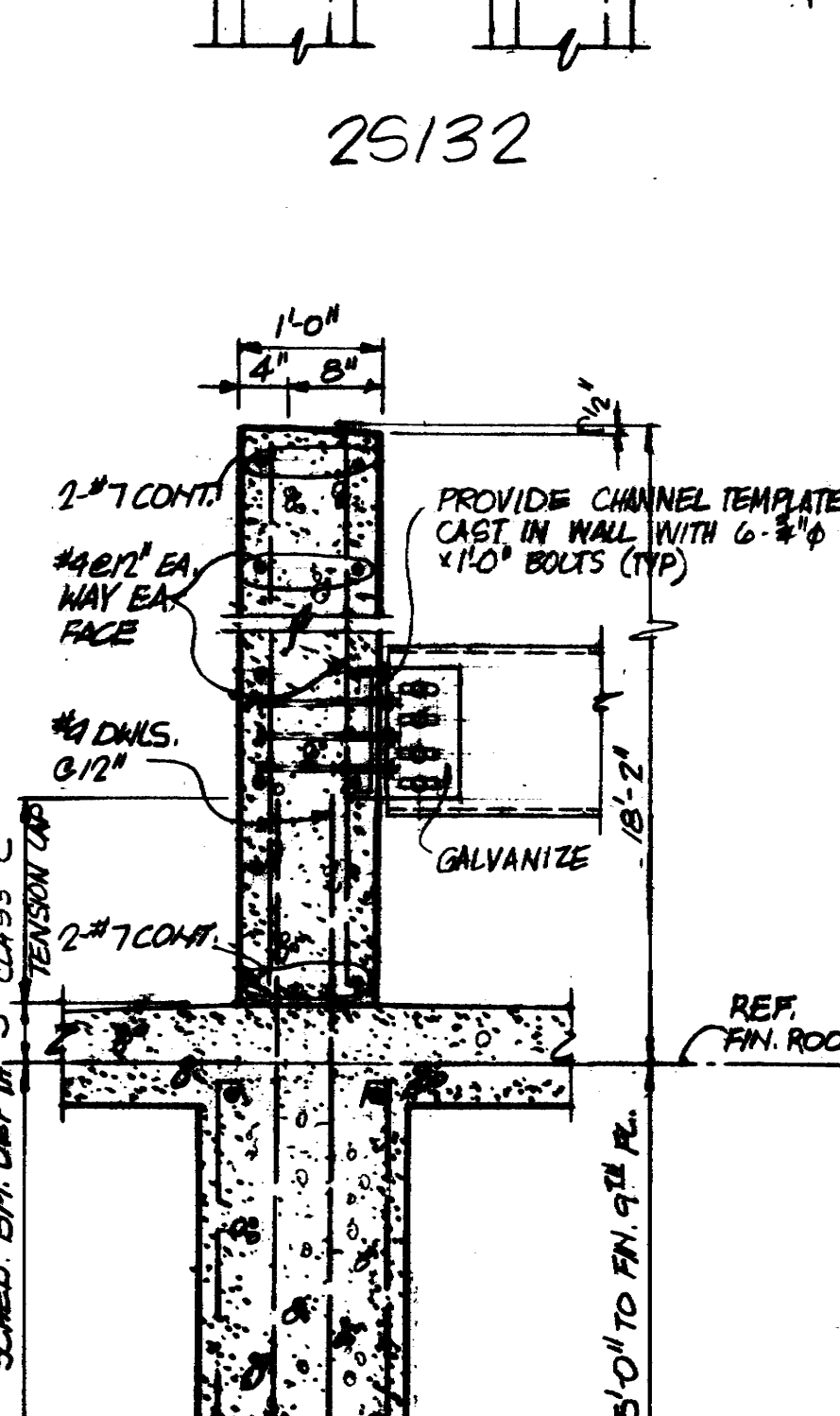
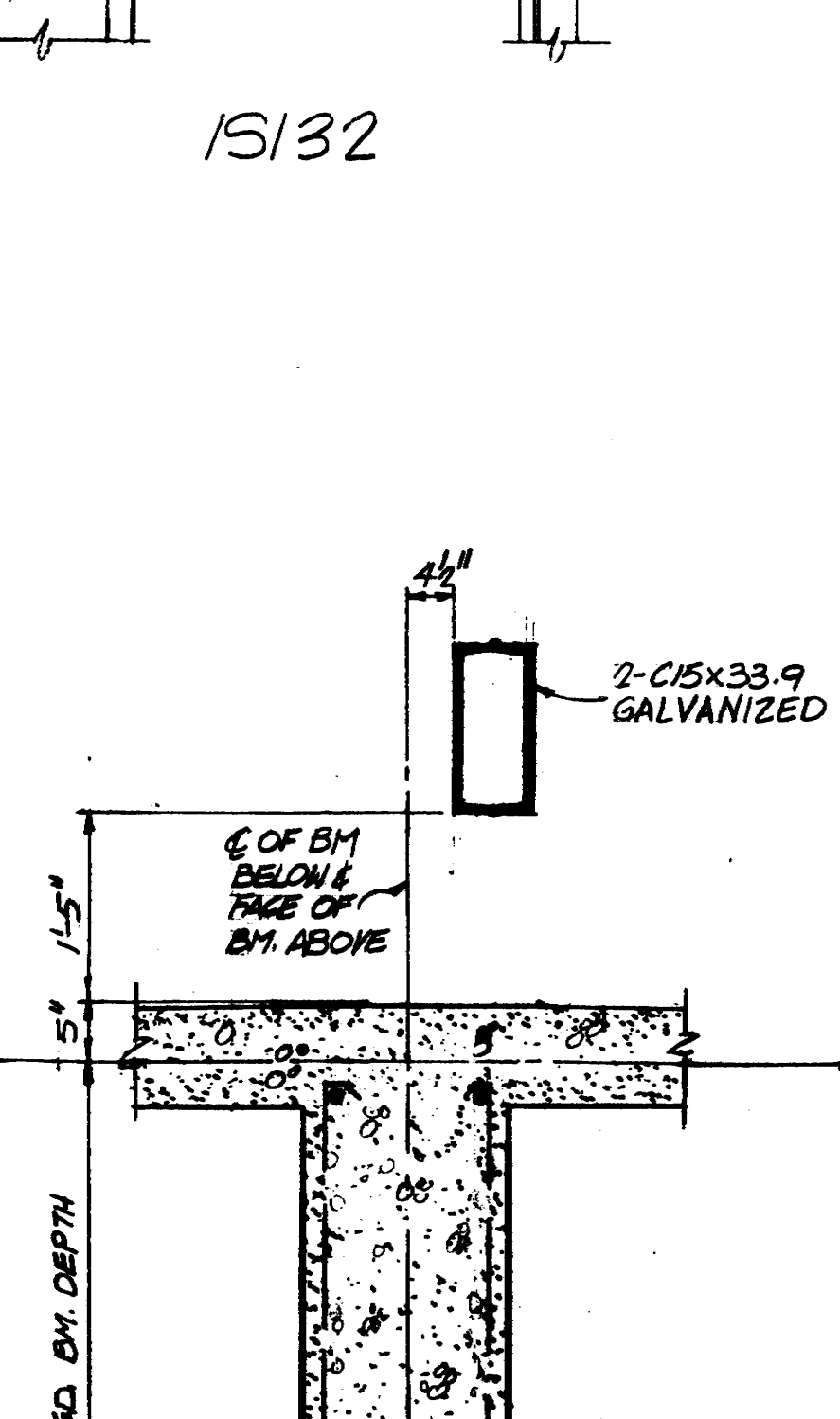
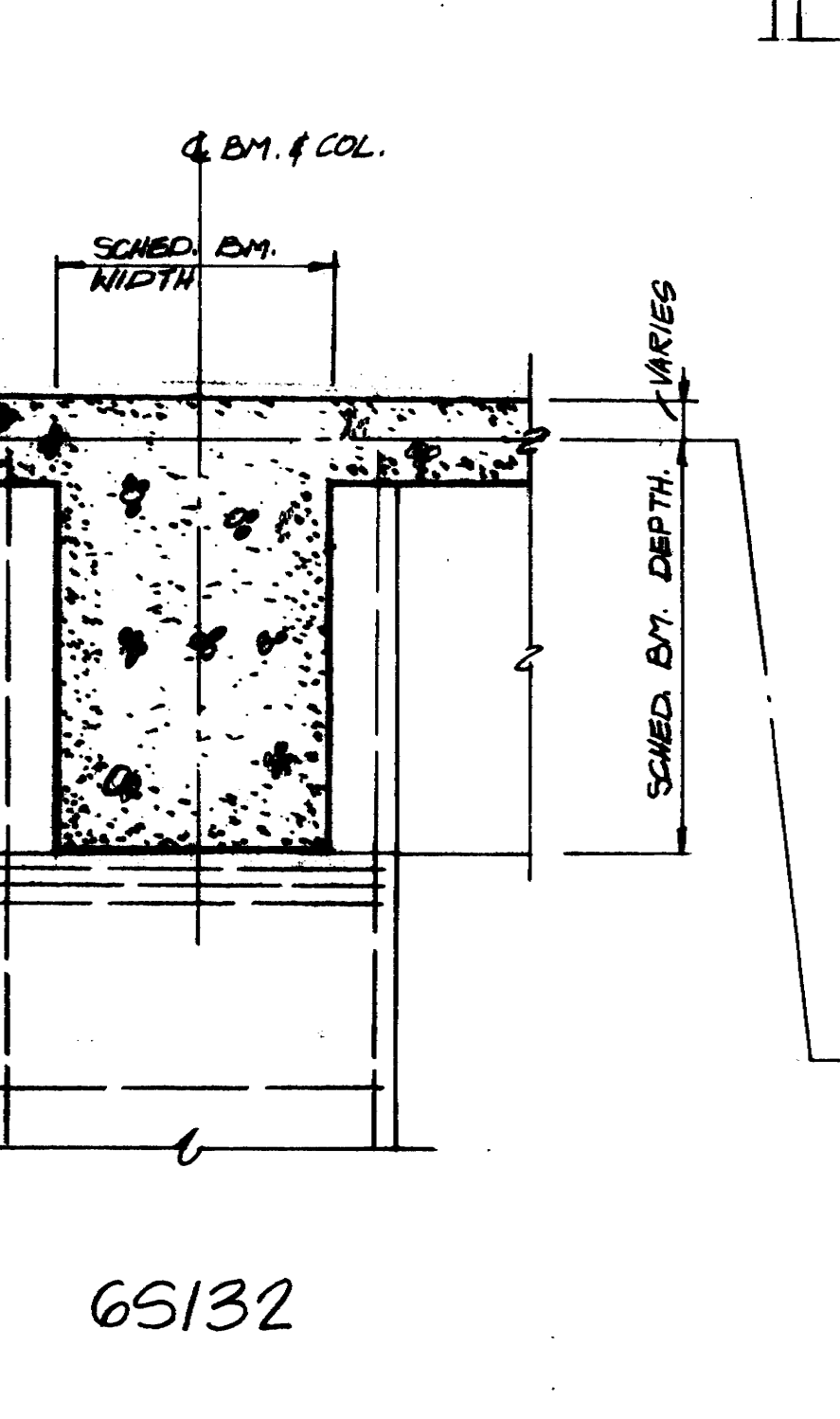
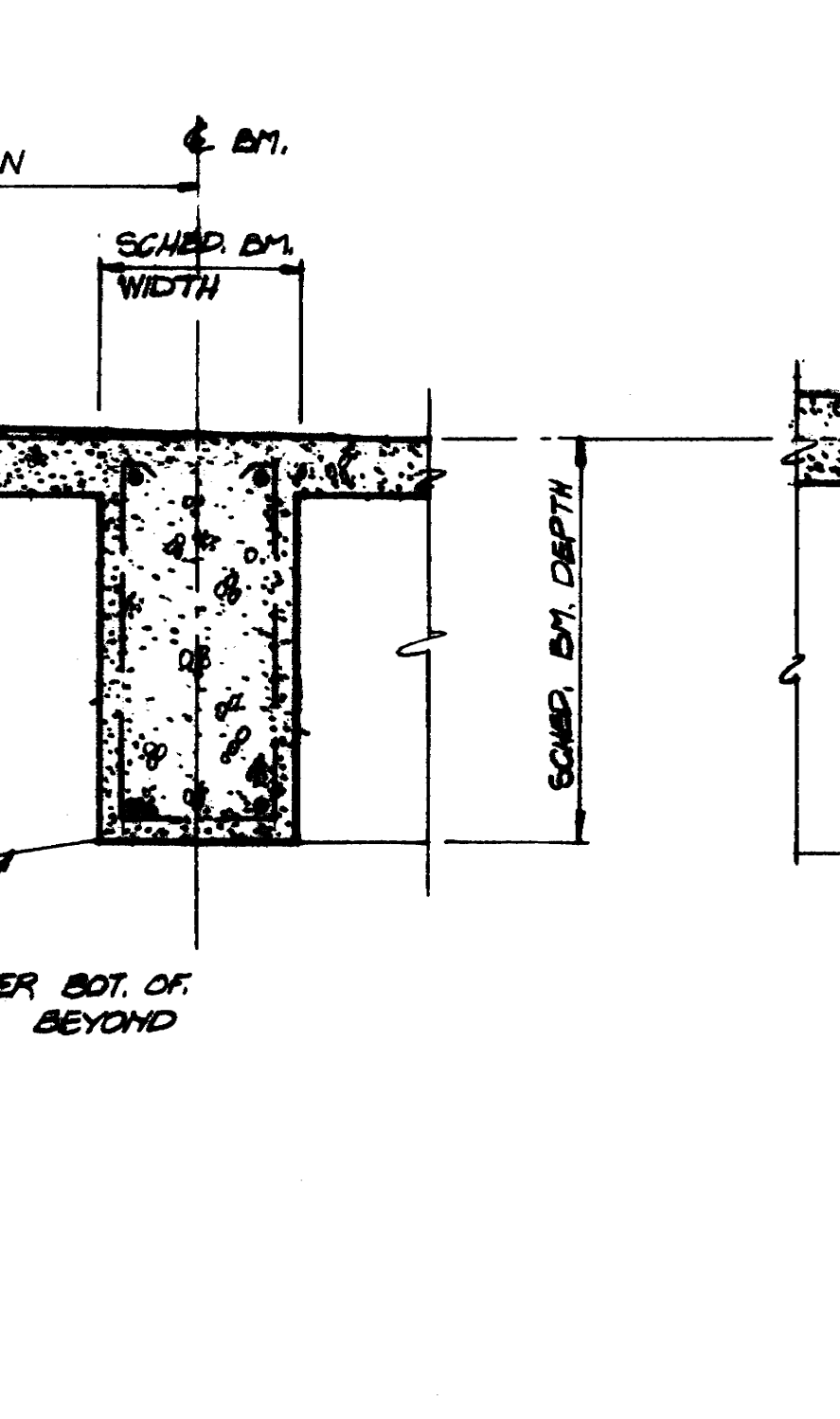
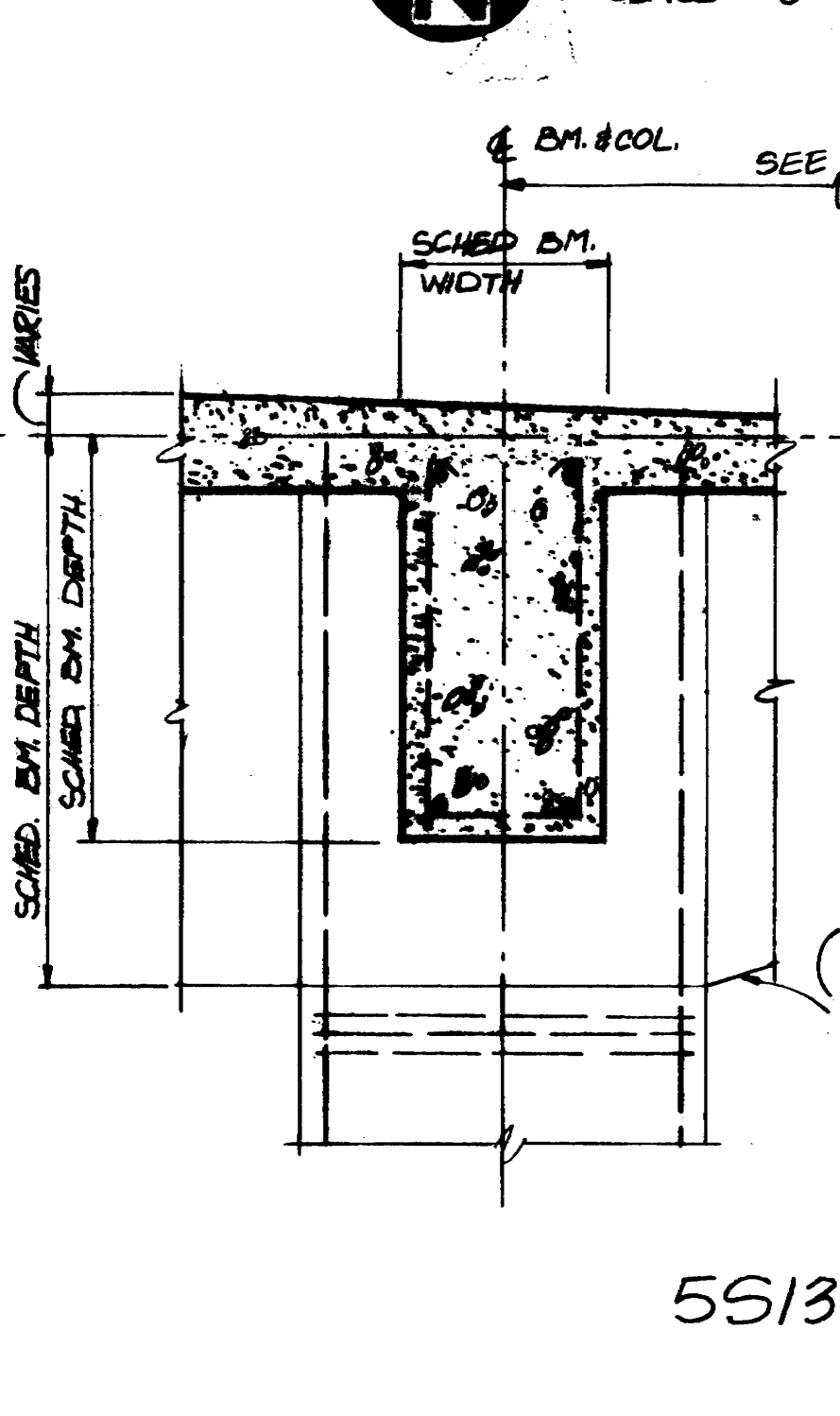
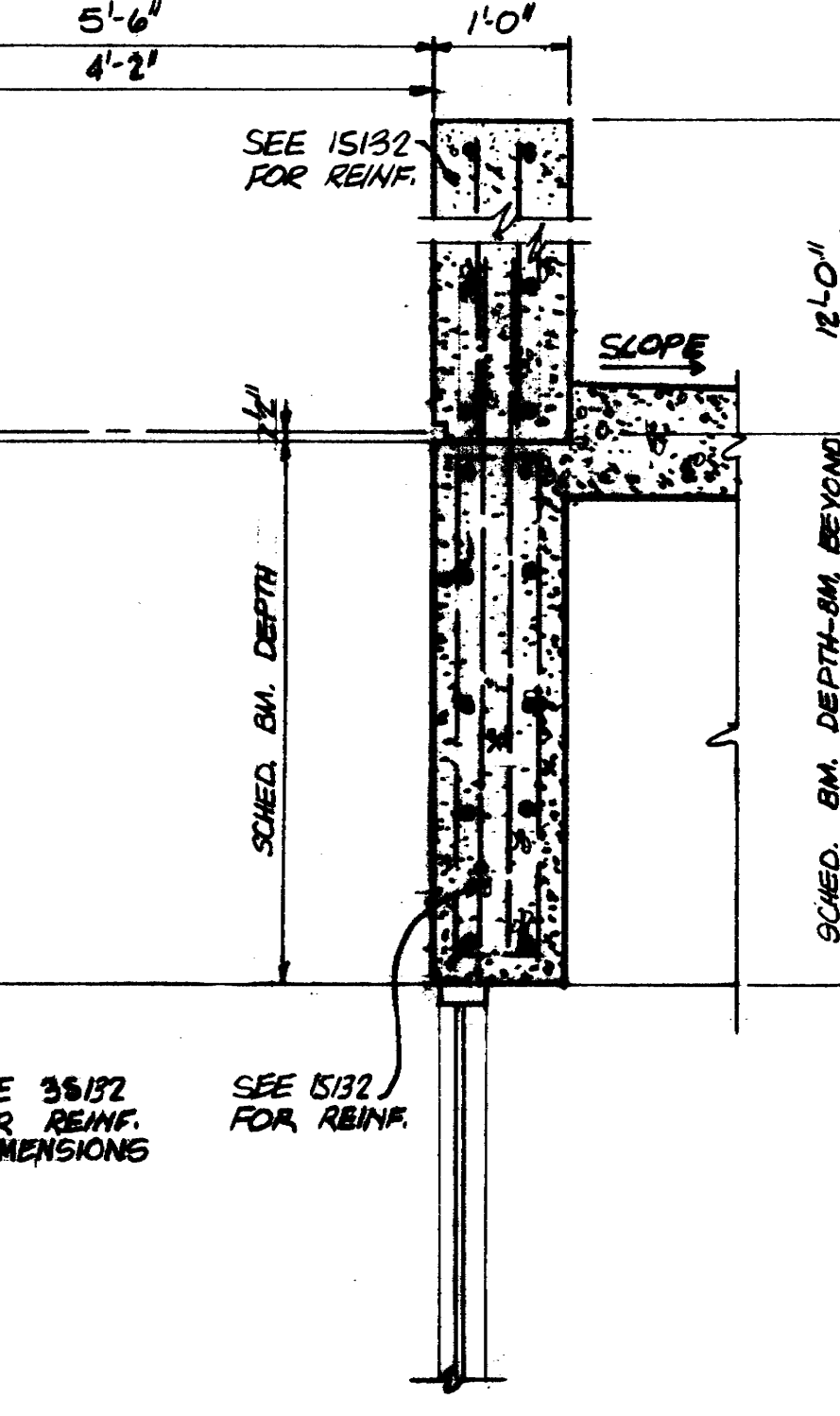
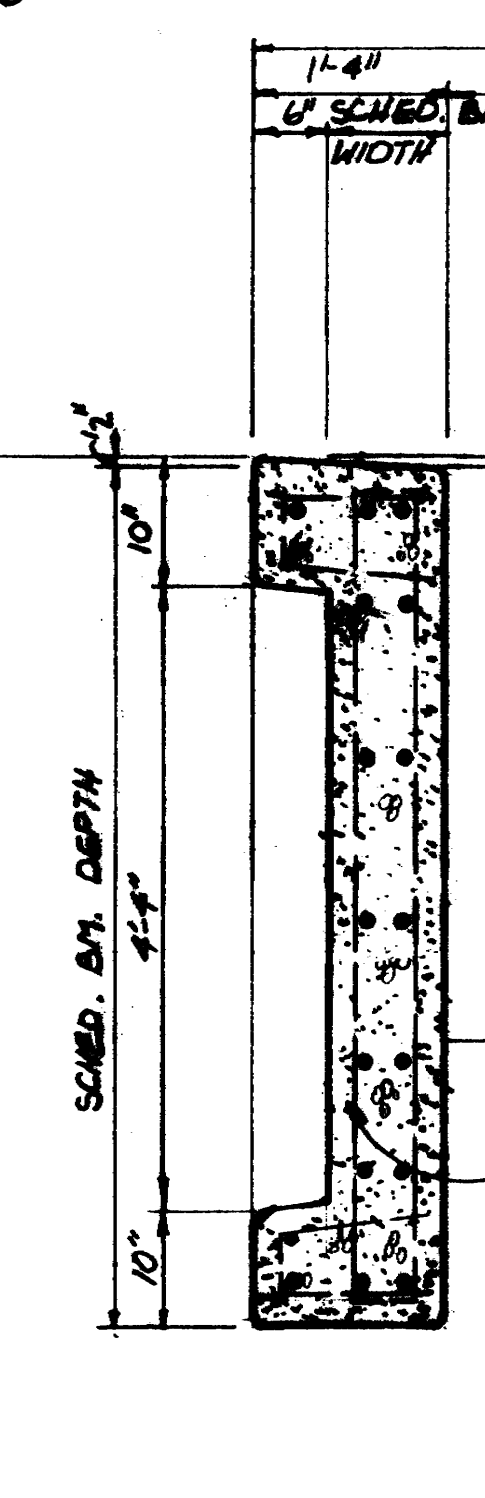
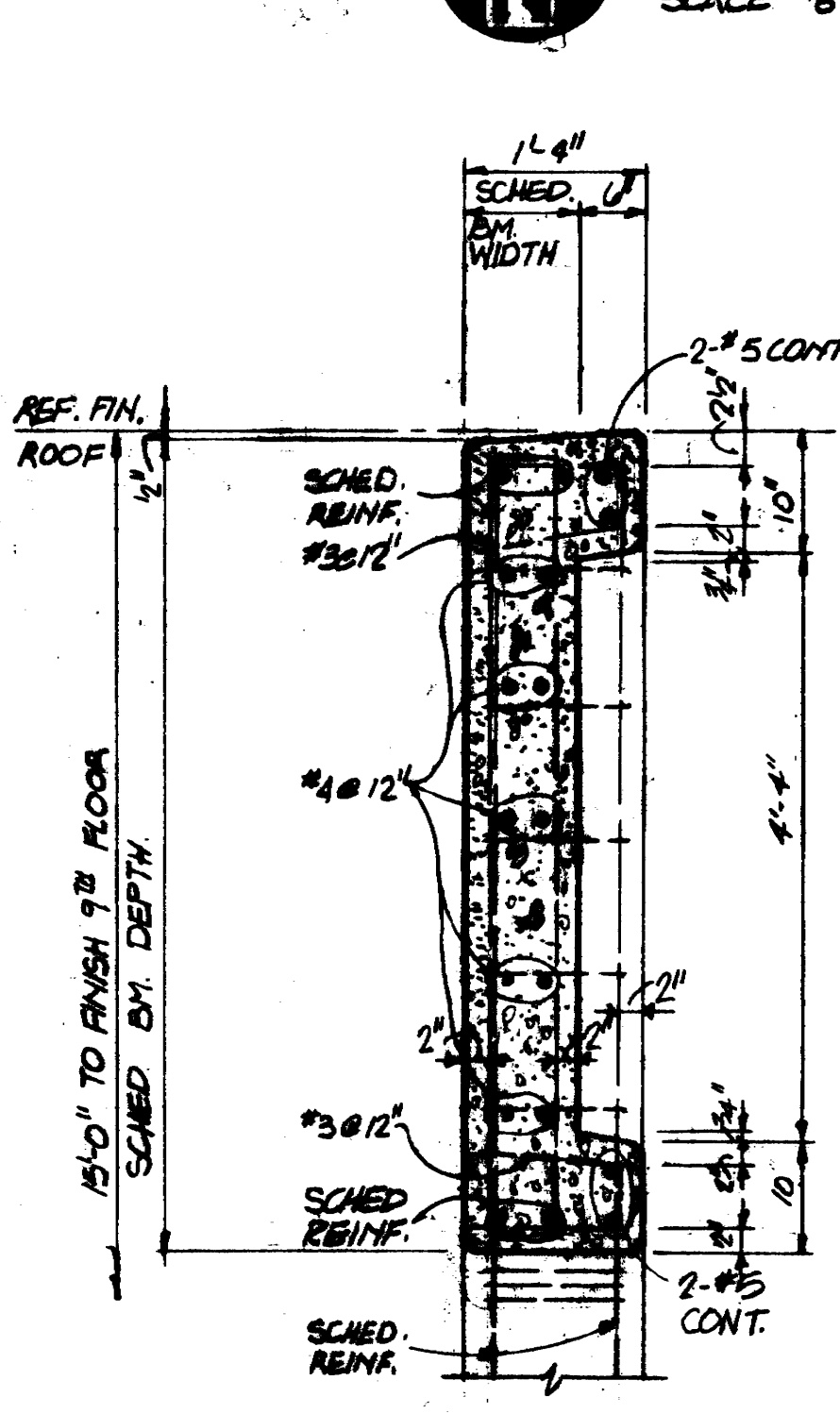




MACHINE ROOM FLOOR FRAMING PLAN
SCALE 1/8"=1'-0"

MACHINE ROOM ROOF FRAMING PLAN
SCALE 1/8"=1'-0"

REFERENCE NOTES:
1. SEE SHEET 9101 FOR GENERAL NOTES AND BLOCK LINES
2. SEE SHEET 9103 FOR BEAM AND SLAB SCHEDULES



3S132
3'S132 (OPP. HAND)

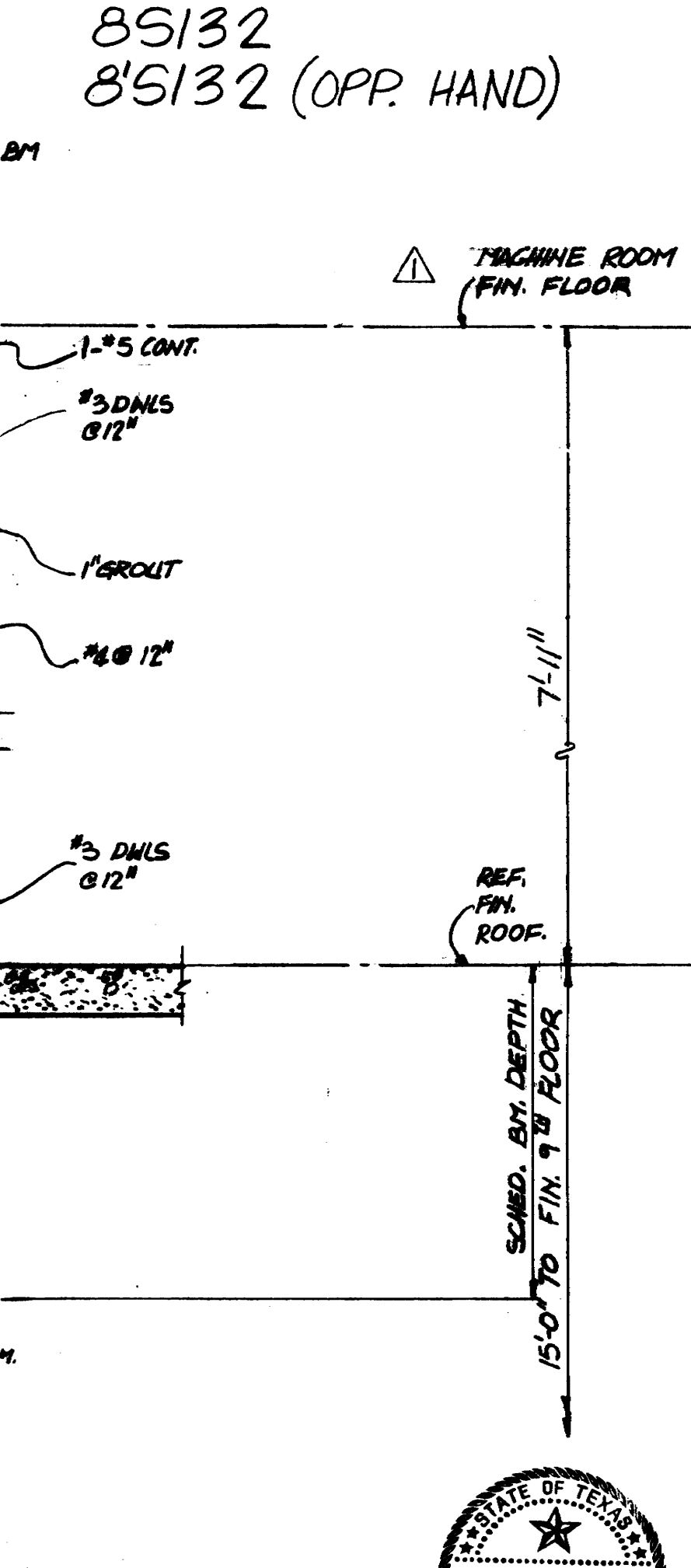
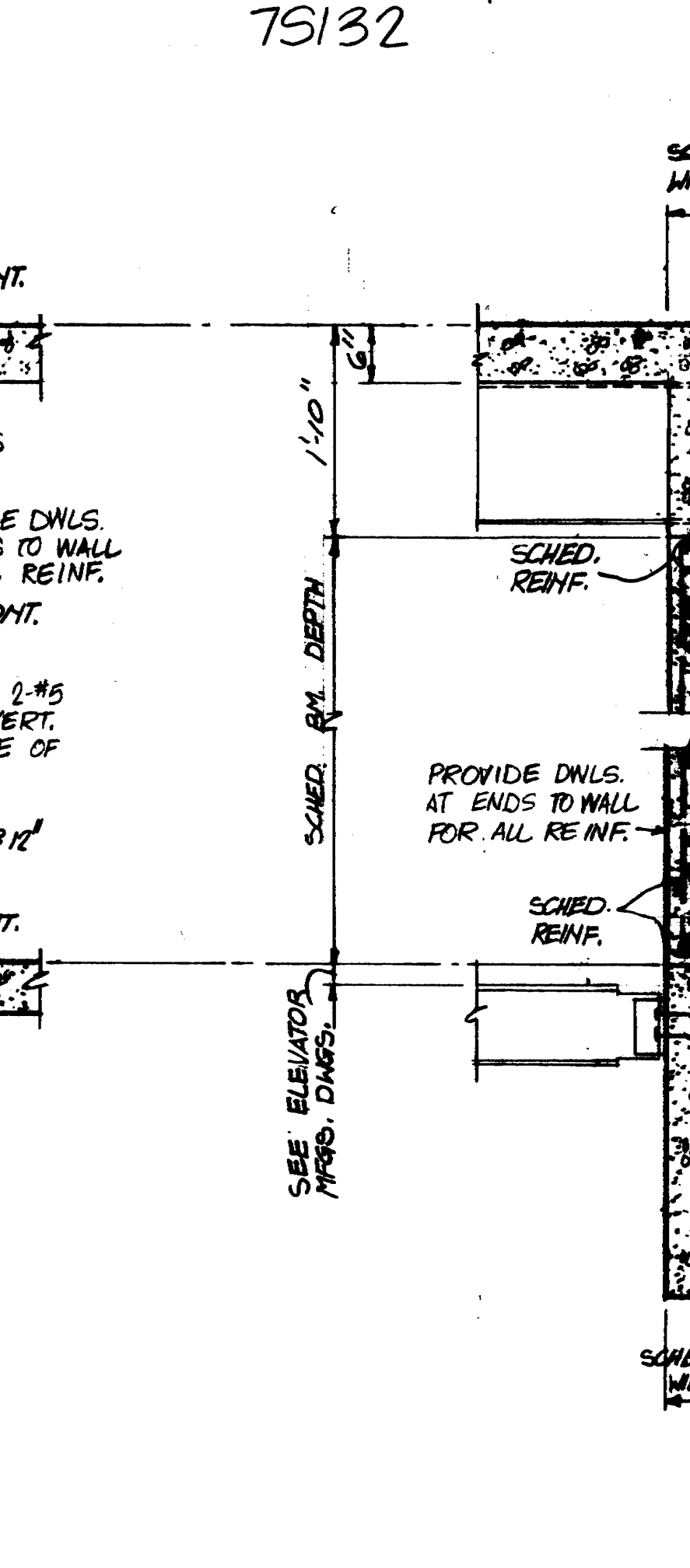
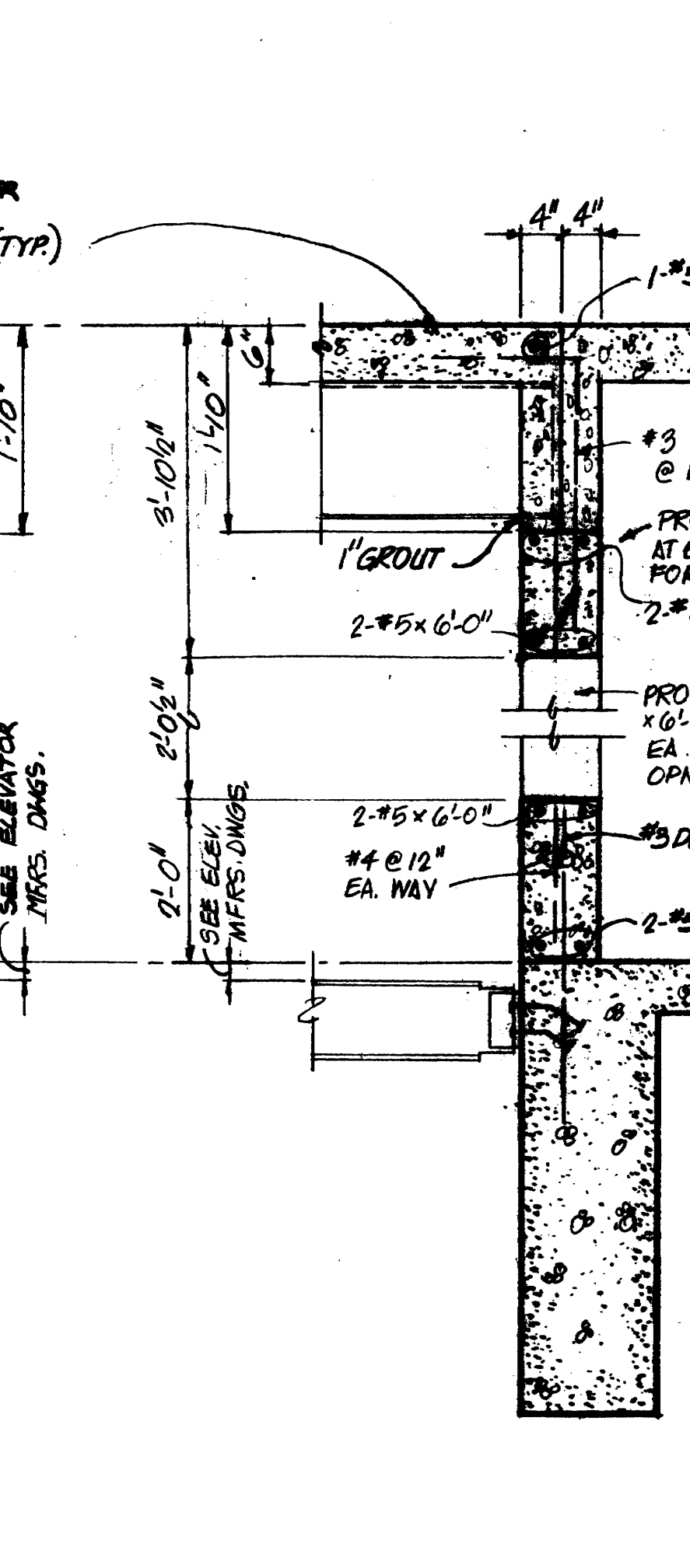
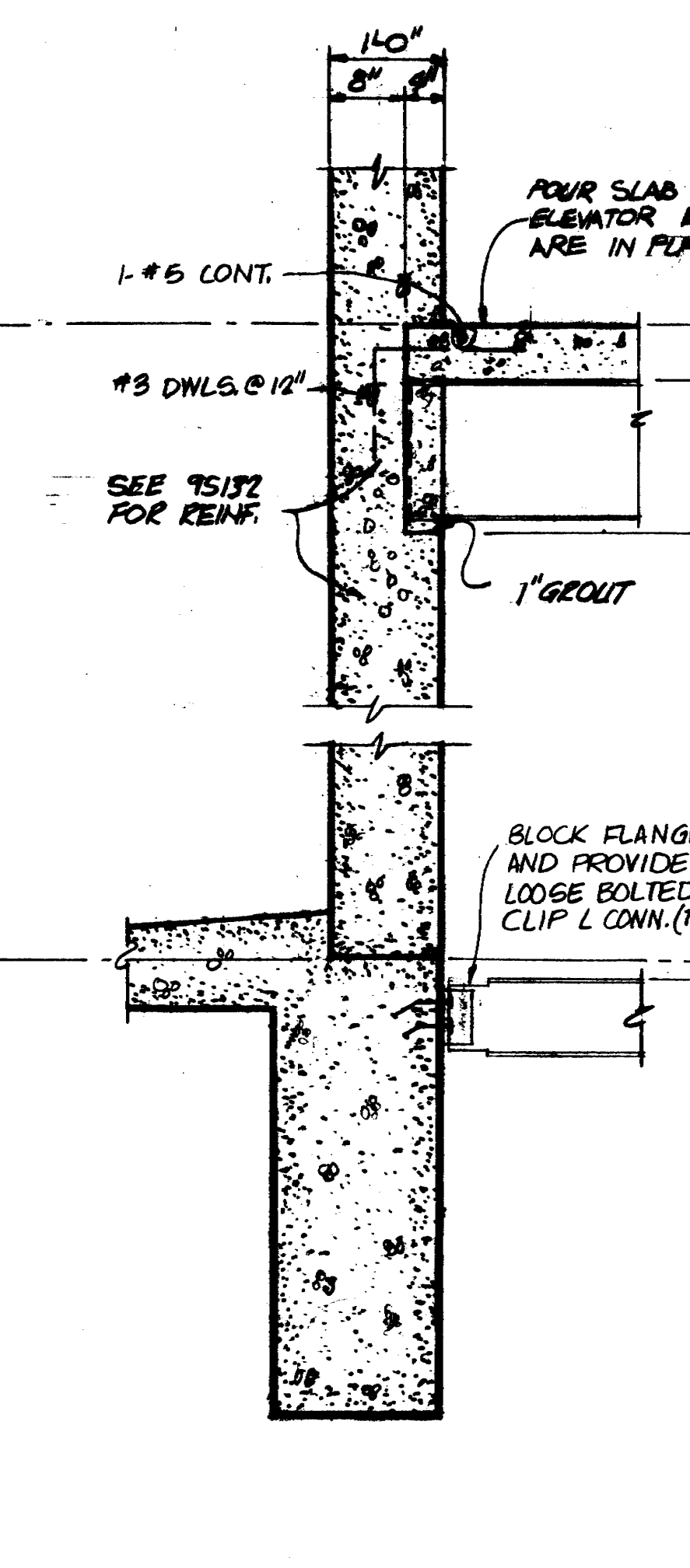
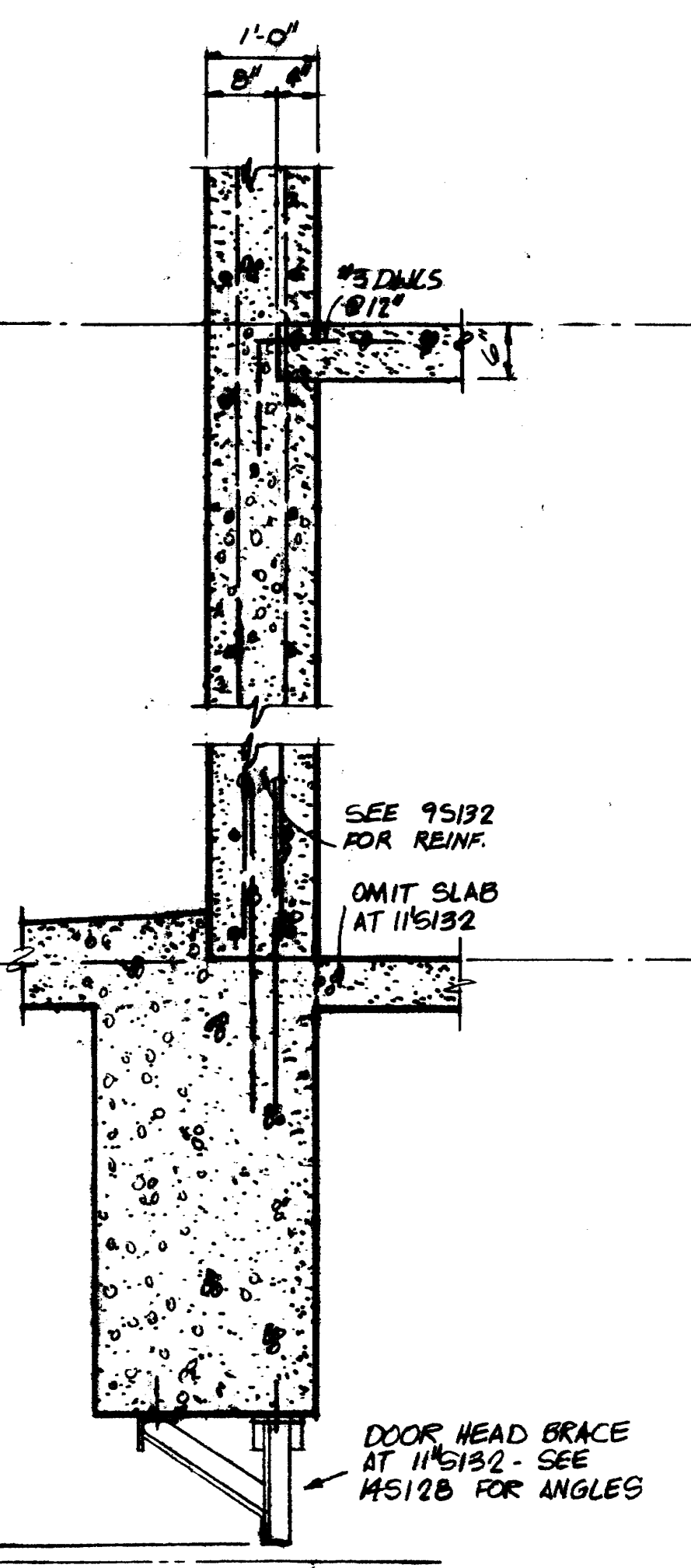
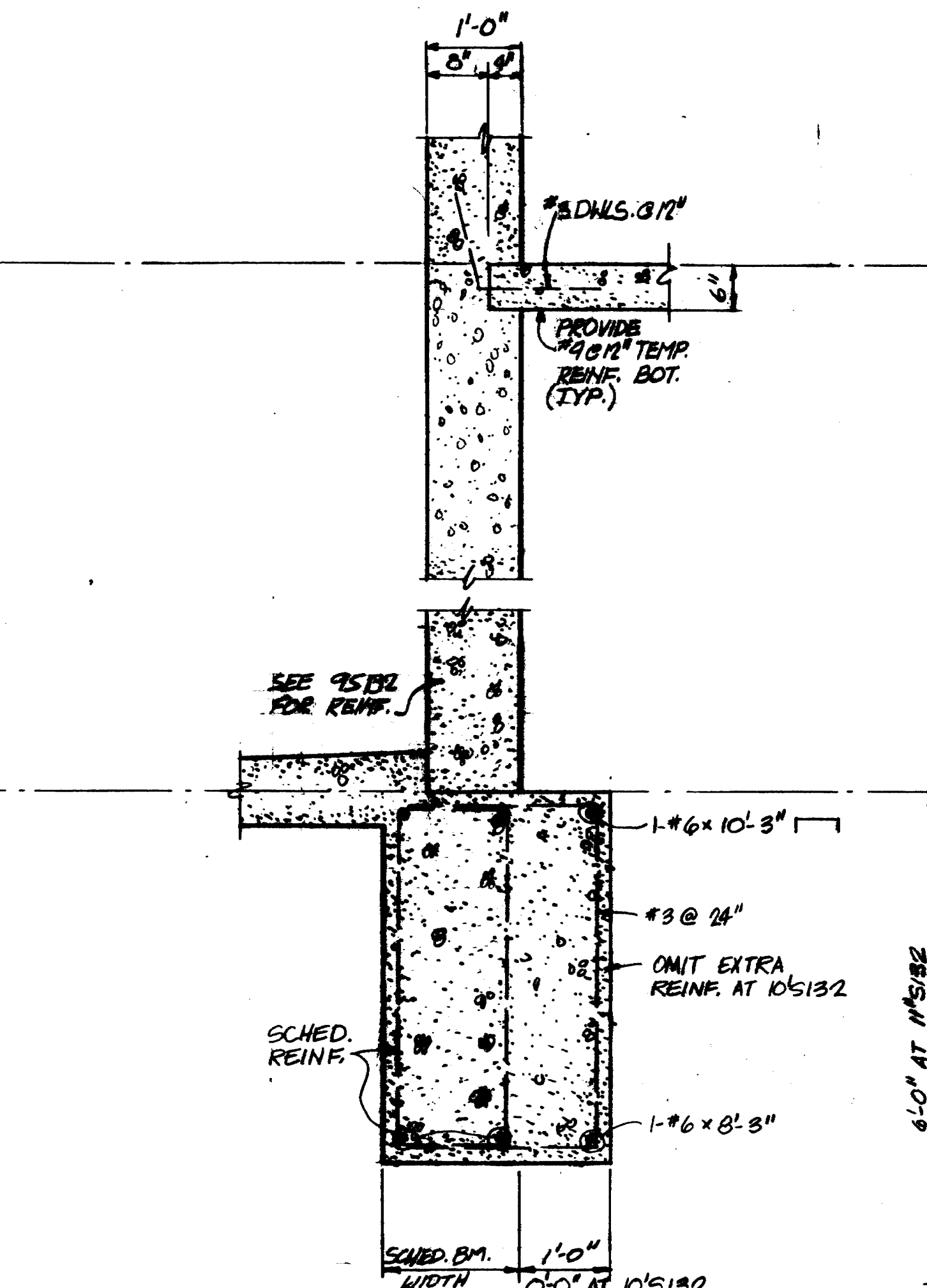
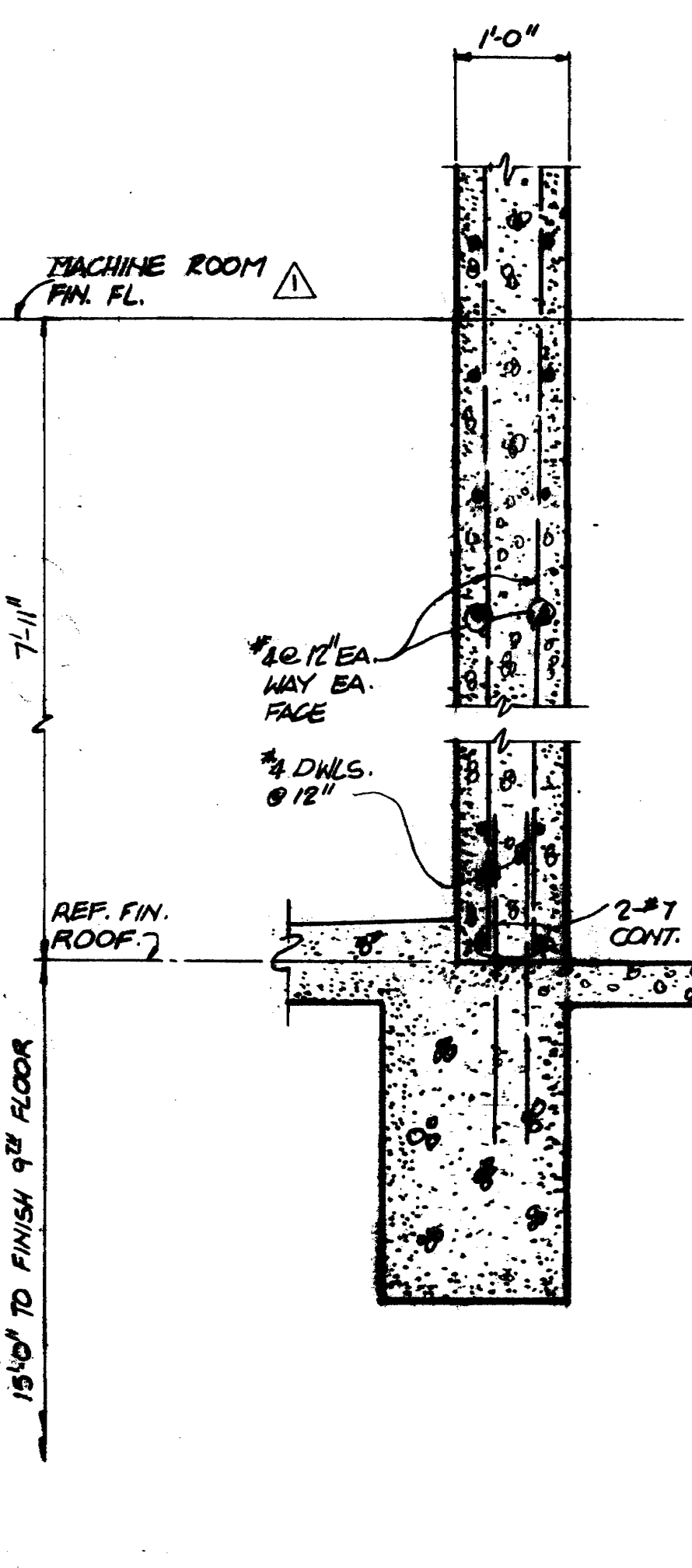
4S132

5S132

6S132

7S132

8S132
8'S132 (OPP. HAND)



9S132

10S132
10'S132 (NOTED)

11S132
11'S132 & 11'S132 (NOTED)

12S132

13S132

14S132

KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

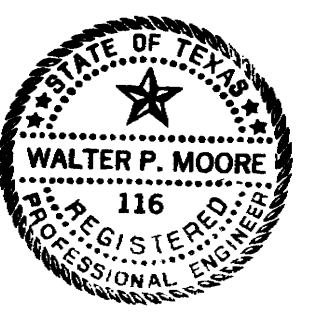
REVISIONS

1	1-11-75	REVISED PER COMMENTS
2		
3		
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DRAWN BY _____
CHECKED BY _____
PROJECT NO. _____
DATE JULY 28, 1975

PENTHOUSE PLANS & DETAILS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





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HOUSTON, TEXAS 77002

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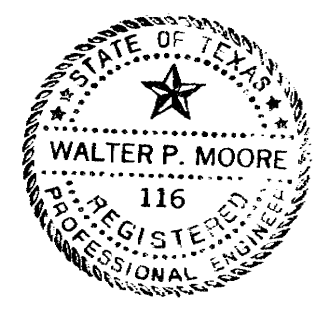
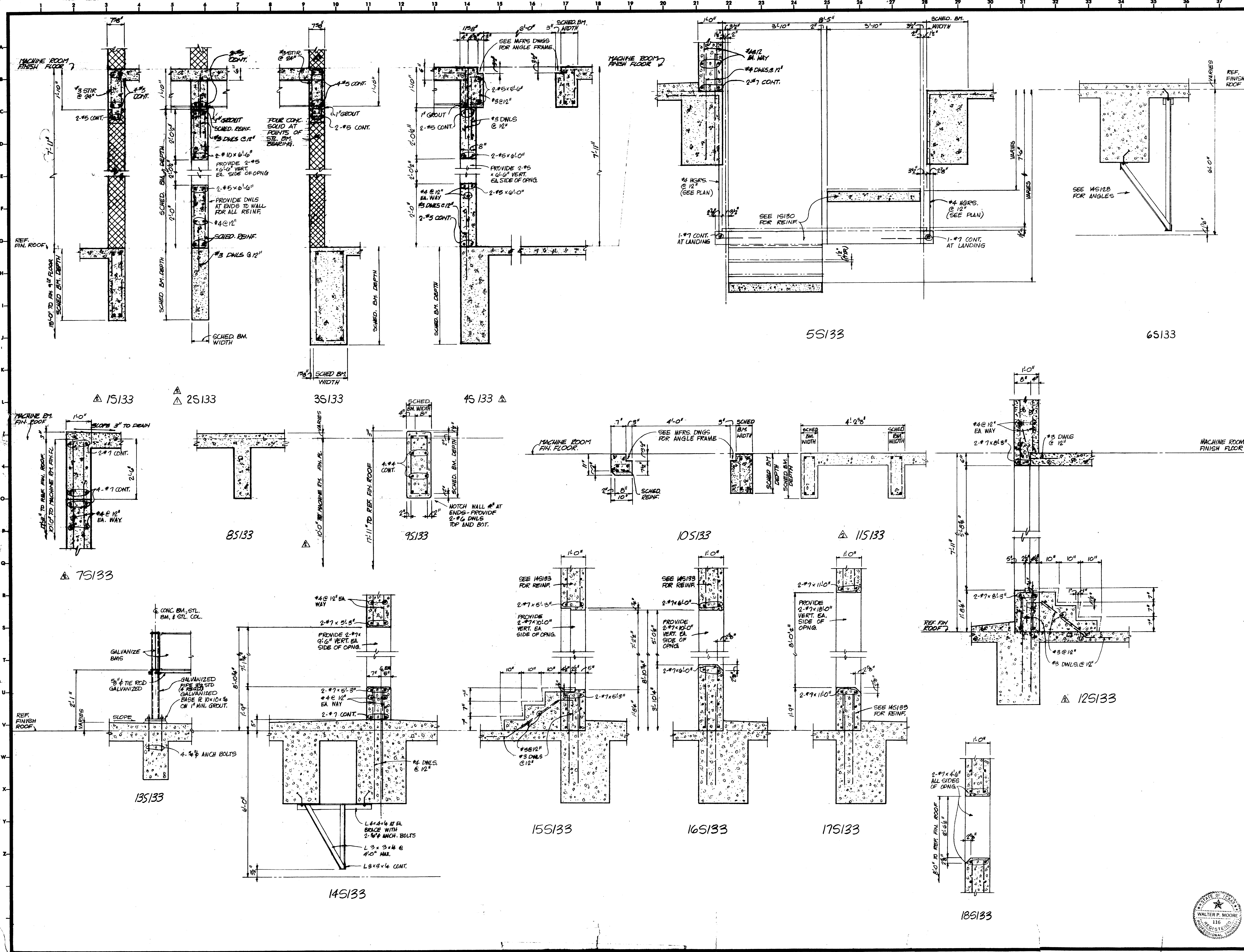
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CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS	
1	6-28-76 C.R. #10
2	7-14-76 W.P.M. ON PER. #1
3	
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DRAWN BY
CHECKED BY
PROJECT NO.
DATE JULY 25, 1975
ROOF DETAILS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



INDEX OF SHEETS

ARCHITECTURAL LARGE SHEETS

A-101	INDEX OF SHEETS
A-102	SITE PLAN
A-103	BASEMENT PLAN
A-104	BASEMENT REFLECTED CEILING PLAN
A-105	TUNNEL - PLAN & SECTIONS
A-105A	TUNNEL - REFLECTED CEILING, SECTIONS & DETAILS
A-105B	TUNNEL DETAILS
A-106	PLAZA, PLAN
A-107	GROUND FLOOR PLAN
A-108	GROUND FLOOR REFLECTED CEILING PLAN
A-109	SECOND FLOOR PLAN
A-110	SECOND FLOOR REFLECTED CEILING PLAN
A-111	THIRD FLOOR PLAN
A-112	THIRD FLOOR REFLECTED CEILING PLAN
A-113	FOURTH FLOOR PLAN
A-114	FOURTH FLOOR REFLECTED CEILING PLAN
A-115	FIFTH FLOOR PLAN
A-116	FIFTH FLOOR REFLECTED CEILING PLAN
A-117	SIXTH FLOOR PLAN
A-118	SIXTH FLOOR REFLECTED CEILING PLAN
A-119	SEVENTH FLOOR PLAN
A-120	SEVENTH FLOOR REFLECTED CEILING PLAN
A-121	EIGHTH FLOOR PLAN
A-122	EIGHTH FLOOR REFLECTED CEILING PLAN
A-123	NINTH FLOOR PLAN
A-124	NINTH FLOOR REFLECTED CEILING PLAN
A-125	ROOF PLAN
A-126	BUILDING ELEVATIONS
A-127	BUILDING ELEVATIONS
A-128	BUILDING SECTIONS LOOKING NORTH
A-129	BUILDING SECTIONS LOOKING EAST
A-130	CORE PLAN & ELEVATIONS
A-131	CORE PLAN & ELEVATIONS
A-132	CORE PLAN & ELEVATIONS
A-133	CORE PLAN & ELEVATIONS
A-134	STAIR SECTIONS
A-135	CORE PLANS & ELEVATOR HOISTWAY SECTION
A-136	BASEMENT INTERIOR ELEVATIONS
A-137	GROUND FLOOR INTERIOR ELEVATIONS
A-138	FIRST, SECOND & THIRD FLOOR INTERIOR ELEVATIONS
A-139	FOURTH FLOOR INTERIOR ELEVATIONS
A-140	FIFTH & SEVENTH FLOOR INTERIOR ELEVATIONS
A-141	SIXTH FLOOR INTERIOR ELEVATIONS
A-142	NINTH FLOOR INTERIOR ELEVATIONS
A-143	NINTH FLOOR INTERIOR ELEVATIONS

ARCHITECTURAL SMALL SHEETS

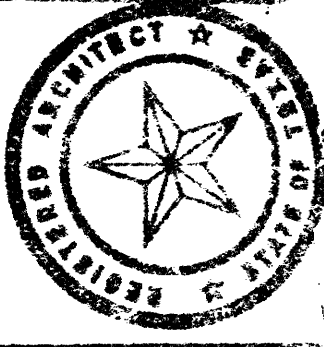
A-0	ROOM FINISH SCHEDULE - BASEMENT
A-1	ROOM FINISH SCHEDULE - FIRST FLOOR
A-2	ROOM FINISH SCHEDULE - SECOND FLOOR
A-3	ROOM FINISH SCHEDULE - THIRD FLOOR
A-4	ROOM FINISH SCHEDULE - FOURTH FLOOR
A-5	ROOM FINISH SCHEDULE - FIFTH FLOOR
A-6	ROOM FINISH SCHEDULE - SIXTH FLOOR
A-6A	ROOM FINISH SCHEDULE - SIXTH FLOOR (CONTINUED)
A-7	ROOM FINISH SCHEDULE - SEVENTH FLOOR
A-7A	ROOM FINISH SCHEDULE - SEVENTH FLOOR (CONTINUED)
A-8	ROOM FINISH SCHEDULE - EIGHTH FLOOR
A-9	ROOM FINISH SCHEDULE - NINTH FLOOR
A-9A	ROOM FINISH SCHEDULE - NINTH FLOOR (CONTINUED)
A-9B	ROOM FINISH SCHEDULE - PENTHOUSE
A-10	PLAZA & RAMP SECTIONS
A-11	PLAZA & RAMP SECTIONS
A-12	PLAZA DETAILS
A-13	PLAZA DETAILS
A-14	PLAZA DETAILS
A-15	PLAZA DETAILS
A-16	LANDSCAPE PLANS & PLANT LIST
A-17	BASEMENT & DOCK SECTIONS & DETAILS
A-18	SUBSURFACE DRAINAGE PLAN
A-21	COLUMN DETAILS
A-22	BASEMENT COLUMN DETAILS
A-23	INTERIOR COLUMN DETAILS
A-30	PERIMETER COLUMN DETAILS
A-31	PERIMETER BEAM DETAILS
A-32	PERIMETER BEAM ELEVATIONS
A-33	PERIMETER BEAM DETAILS
A-34	EXTERIOR WALL DETAILS
A-35	PARTITION TYPES & DETAILS
A-36	PARTITION TYPES & DETAILS (CORE)
A-37	PARTITION TYPES & DETAILS
A-38	PARTITION TYPES & DETAILS
A-39	PARTITION TYPES & DETAILS
A-39A	FIXED PARTITION TYPES & DETAILS
A-39B	MOVABLE PARTITION SYSTEM DETAILS
A-39C	PARTITION TYPES & DETAILS
A-40	CURTAINWALL DETAILS - FIRST FLOOR
A-41	CURTAINWALL DETAILS - FIRST FLOOR
A-42	CURTAINWALL DETAILS
A-43	CURTAINWALL DETAILS - FLOORS 2-9
A-44	CURTAINWALL & INTERIOR GLASS WALL DETAILS
A-45	CURTAINWALL DETAILS - FLOORS 2-9
A-46	LOUVER DETAILS
A-50	DOOR SCHEDULE - BASEMENT
A-50A	DOOR SCHEDULE - BASEMENT (CONTINUED)
A-51	DOOR SCHEDULE - FIRST FLOOR
A-52	DOOR SCHEDULE - SECOND FLOOR
A-53	DOOR SCHEDULE - THIRD FLOOR
A-54	DOOR SCHEDULE - FOURTH FLOOR
A-55	DOOR SCHEDULE - FIFTH FLOOR
A-56	DOOR SCHEDULE - SIXTH FLOOR
A-56A	DOOR SCHEDULE - SIXTH FLOOR (CONTINUED)
A-57	DOOR SCHEDULE - SEVENTH FLOOR
A-57A	DOOR SCHEDULE - SEVENTH FLOOR (CONTINUED)
A-58	DOOR SCHEDULE - EIGHTH FLOOR
A-59	DOOR SCHEDULE - NINTH FLOOR
A-59A	DOOR SCHEDULE - NINTH FLOOR (CONTINUED)
A-59B	DOOR SCHEDULE - PENTHOUSE
A-60	MILLWORK DETAILS
A-61	MILLWORK DETAILS
A-62	MILLWORK DETAILS
A-63	MILLWORK DETAILS
A-64	MILLWORK DETAILS
A-70	CEILING DETAILS
A-71	CEILING DETAILS
A-80	STAIR DETAILS
A-81	LADDER DETAILS - FLOOR HATCH DETAILS
A-90	RESTROOM DETAILS
A-90A	RESTROOM DETAILS
A-91	ELEVATOR DOOR DETAILS
A-91A	ELEVATOR CAB DETAILS
A-92	MISCELLANEOUS DETAILS
A-93	MISCELLANEOUS DETAILS
A-93A	MISCELLANEOUS DETAILS
A-94	FLOOR PLAN COMPUTER ROOM 316
A-94A	FLOOR PLAN COMPUTER ROOM 317
A-94B	FLOOR PLAN COMPUTER ROOM 759
A-94C	ACCESS FLOOR DETAILS
A-95	DUMBWAITER DETAILS
A-96	VAULT DOOR DETAILS
A-97	FLOOR PLAN COURT ROOM 918
A-97A	NINTH FLOOR DETAILS
A-97B	NINTH FLOOR DETAILS
A-97C	NINTH FLOOR DETAILS
A-98	BASEMENT MISCELLANEOUS DETAILS
A-99	FIRE EXIT & ROLLING GRILL DETAILS

STRUCTURAL

S-101	COLUMN & FOOTING SCHEDULE, GENERAL NOTES
S-102	FIRST FLOOR SCHEDULE
S-103	BEAM & SLAB SCHEDULE
S-104	POST TENSION BEAM SCHEDULE
S-105	POST TENSION WIND BEAM SCHEDULE
S-106	EASEMENT PLAN
S-107	WALL DETAILS
S-108	BASEMENT DETAILS
S-109	BASEMENT DETAILS
S-110	TUNNEL PLANS
S-111	TUNNEL ROOF PLAN & DETAILS
S-112	TUNNEL DETAILS
S-113	FIRST FLOOR PLAZA PLAN
S-114	FIRST FLOOR DETAILS
S-115	FIRST FLOOR DETAILS
S-116	FIRST FLOOR DETAILS
S-117	FIRST FLOOR DETAILS
S-118	FIRST FLOOR DETAILS
S-118A	FIRST FLOOR DETAILS
S-119	SECOND FLOOR PLAN
S-120	THIRD FLOOR PLAN
S-121	FOURTH FLOOR PLAN
S-122	FIFTH FLOOR PLAN
S-123	SIXTH FLOOR PLAN
S-124	SEVENTH FLOOR PLAN
S-125	EIGHTH FLOOR PLAN
S-126	NINTH FLOOR PLAN
S-127	TYPICAL DETAILS
S-128	TYPICAL DETAILS
S-129	STAIR (BASEMENT TO FIRST FLOOR)
S-130	STAIR & VAULT ROOF PLANS
S-131	ROOF PLAN
S-132	PENTHOUSE PLANS & DETAILS
S-133	ROOF DETAILS

MECHANICAL, ELECTRICAL, PLUMBING

MEP-101	SITE PLAN
M-102	MECHANICAL BASEMENT FLOOR PLAN
M-103	MECHANICAL PLAZA FLOOR PLAN
M-104	MECHANICAL SECOND FLOOR PLAN
M-105	MECHANICAL THIRD FLOOR PLAN
M-106	MECHANICAL FOURTH FLOOR PLAN
M-107	MECHANICAL FIFTH FLOOR PLAN
M-108	MECHANICAL SIXTH FLOOR PLAN
M-109	MECHANICAL SEVENTH FLOOR PLAN
M-110	MECHANICAL EIGHTH FLOOR PLAN
M-111	MECHANICAL NINTH FLOOR PLAN
M-112	MECHANICAL ROOF PLAN
M-113	MECHANICAL PLAN CENTRAL PLANT
M-114	MECHANICAL SCHEDULES
M-115	MECHANICAL RISERS
M-116	MECHANICAL DETAILS
M-117	MECHANICAL SECTIONS & DETAILS
MP-118	MECHANICAL & PLUMBING TUNNEL PLAN
E-102	ELECTRICAL BASEMENT FLOOR PLAN - LIGHTING
E-103	ELECTRICAL BASEMENT FLOOR PLAN - POWER
E-104	ELECTRICAL PLAZA PLAN - LIGHTING
E-105	ELECTRICAL PLAZA PLAN - POWER
E-106	ELECTRICAL SECOND FLOOR PLAN - LIGHTING
E-107	ELECTRICAL SECOND FLOOR PLAN - POWER
E-108	ELECTRICAL THIRD FLOOR PLAN - LIGHTING
E-109	ELECTRICAL THIRD FLOOR PLAN - POWER
E-110	ELECTRICAL FOURTH FLOOR PLAN - LIGHTING
E-111	ELECTRICAL FOURTH FLOOR PLAN - POWER
E-112	ELECTRICAL FIFTH FLOOR PLAN - LIGHTING
E-113	ELECTRICAL FIFTH FLOOR PLAN - POWER
E-114	ELECTRICAL SIXTH FLOOR PLAN - LIGHTING
E-115	ELECTRICAL SIXTH FLOOR PLAN - POWER
E-116	ELECTRICAL SEVENTH FLOOR PLAN - LIGHTING
E-117	ELECTRICAL SEVENTH FLOOR PLAN - POWER
E-118	ELECTRICAL EIGHTH FLOOR PLAN - LIGHTING
E-119	ELECTRICAL EIGHTH FLOOR PLAN - POWER
E-120	ELECTRICAL NINTH FLOOR PLAN - LIGHTING
E-121	ELECTRICAL NINTH FLOOR PLAN - POWER
E-122	ELECTRICAL ROOF PLAN - LIGHTING & POWER
E-123	ELECTRICAL DETAILS
E-124	ELECTRICAL ONE LINE
E-125	ELECTRICAL RISERS
E-126	ELECTRICAL TUNNEL PLAN
EP-127	ELECTRICAL PLAZA LIGHTING, PLAZA PLANTER DRAINAGE PLAN
P-102	PLUMBING BASEMENT FLOOR PLAN
P-103	PLUMBING PLAZA FLOOR PLAN
P-104	PLUMBING SECOND FLOOR PLAN
P-105	PLUMBING THIRD FLOOR PLAN
P-106	PLUMBING FOURTH FLOOR PLAN
P-107	PLUMBING FIFTH FLOOR PLAN
P-108	PLUMBING SIXTH FLOOR PLAN
P-109	PLUMBING SEVENTH FLOOR PLAN
P-110	PLUMBING EIGHTH FLOOR PLAN
P-111	PLUMBING NINTH FLOOR PLAN
P-112	PLUMBING ROOF PLAN
P-113	PLUMBING SCHEDULE & DETAILS
P-114	PLUMBING RISERS
P-115	PLUMBING PLAN CENTRAL PLANT



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
200 SOUTHWEST TOWER

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
2727 WESLAVAN

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CONSULTING ENGINEERS
CHERYL L. BRADY

**HARRIS COUNTY
ADMINISTRATION BUILDING
HOUSTON, TEXAS**

REVISIONS	
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2	
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DRAWN BY: [Signature]
CHECKED BY: [Signature]
PROJECT NO.: [Blank]
DATE: 12/28/78

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR PLAT

CHECKED BY
JMB
DESIGNED BY
MLT
DRAWN BY
JMB
DATE
7-24-78

SITE PLAN

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

As Built Dwg.

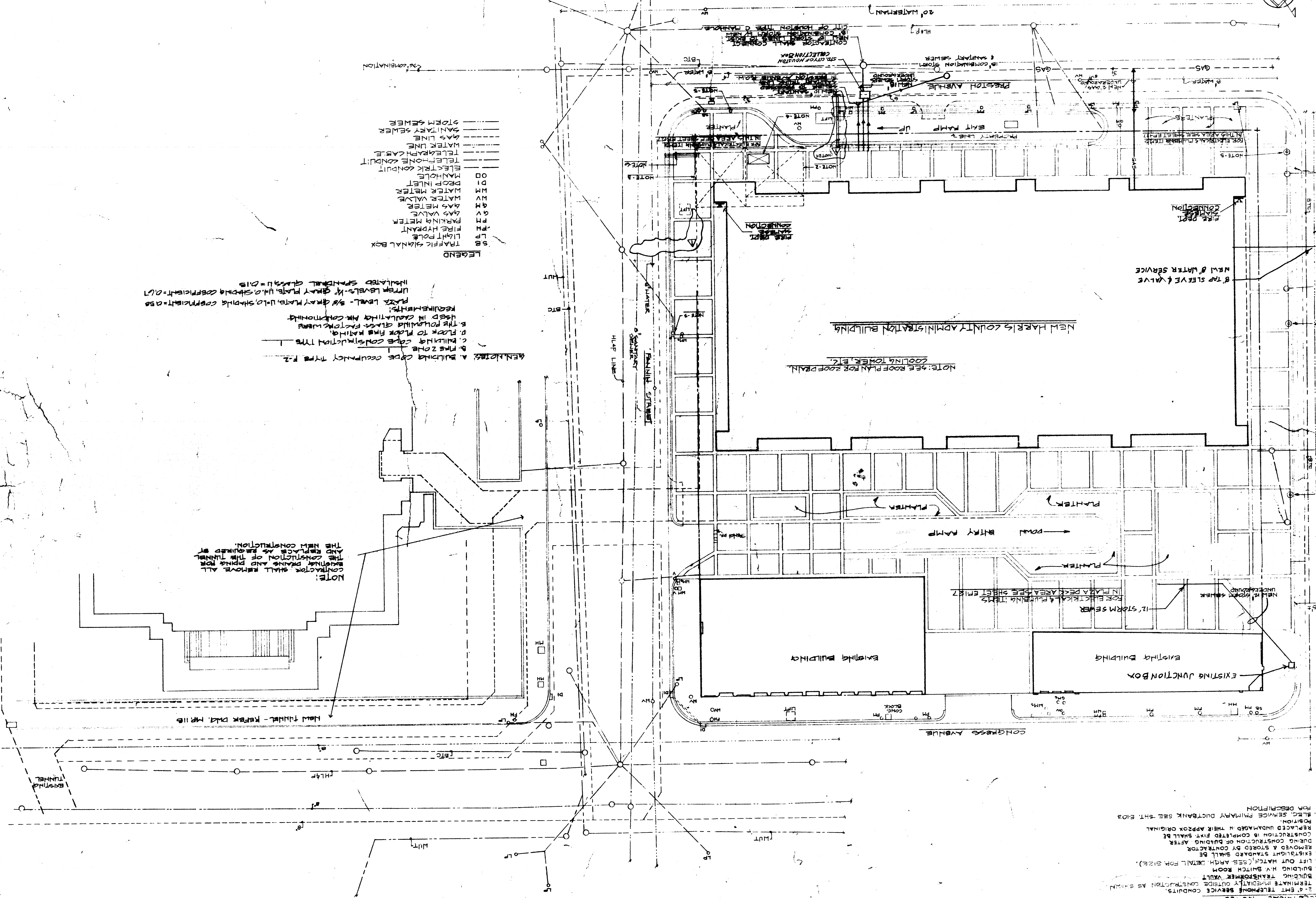
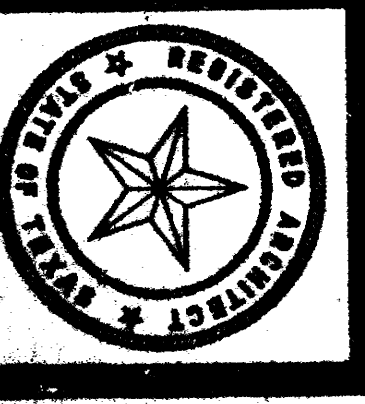


MEP

CONTRACTOR RESPONSIBLE FOR ALL MECHANICAL, ELECTRICAL AND PLUMBING WORK
DATE 7-24-78
PROJECT NO. 5506
CHECKED BY
DRAWN BY
REVISIONS
1/18/78
2/1/77 REVISED

HARRIS COUNTY
ADMINISTRATION BUILDING

KENNETH BENTSEN ASSOCIATES
200 SOUTHWEST TOWER
BRODNAX, PHENIX ASSOCIATES
2727 WEBER AVENUE
HOUSTON, TEXAS 77027
WALTER F. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS



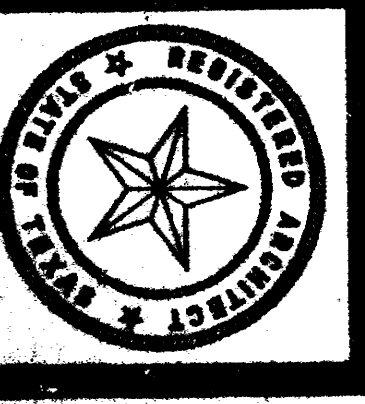
LEGEND

SB	TRAFFIC SIGNAL BOX
LB	LIGHT POLE
PH	FIRE HYDRANT
FM	PARKING METER
GM	GAS VALVE
GM	GAS METER
WM	WATER VALVE
WM	WATER METER
DM	PROP. INLET
OD	MANHOLE
EC	ELECTRIC CONDUIT
TC	TELEPHONE CABLE
WL	WATER LINE
SL	SANITARY SEWER
ST	STORM SEWER

GENERAL NOTES:
A. BUILDING CODE OCCUPANCY TYPE F-2
B. FIRE ZONE
C. BUILDING CODE CONSTRUCTION TYPE I
D. FLOOR TO FLOOR RISE RATING
E. THE FOLLOWING ARE FACTORS TO BE USED IN CALCULATING AIR CONDITIONING REQUIREMENTS:
FLOOR LEVEL - 5/8" GRAY FLOOR, U-10, SHADING COEFFICIENT = 0.55
URBAN LEVELS - 1/4" GRAY FLOOR, U-10, SHADING COEFFICIENT = 0.71
INDICATED SPANDED GLASS U = 0.15

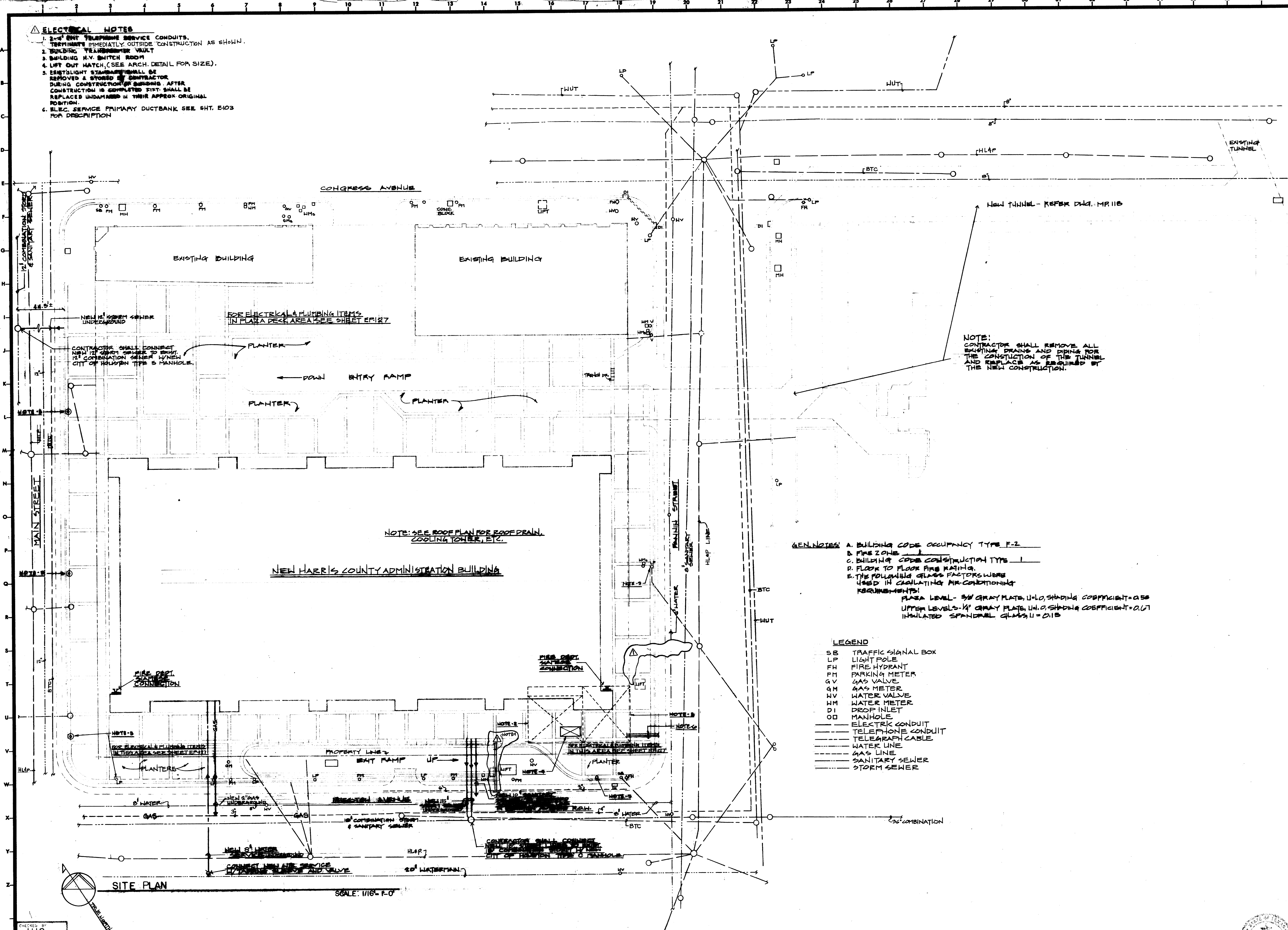
NOTE:
CONTRACTOR SHALL REMOVE ALL EXISTING DUCTS AND PIPING FOR THE NEW CONSTRUCTION.
AND REPLACE AS REQUIRED BY THE CONSTRUCTION OF THE TUNNEL.

ELECTRICAL NOTES
1. EMT TELEPHONE SERVICE CONDUITS, TERMINATE IMMEDIATELY OUTSIDE CONSTRUCTION AS SHOWN
2. BUILDING TRANSFORMER VAULT
3. BUILDING H.V. SWITCH ROOM
4. LIFT OUT HATCH (SEE ARCH. DETAIL FOR SIZE).
5. EXISTING STANDARD SHALL BE REMOVED & STORED BY CONTRACTOR AFTER CONSTRUCTION OF BUILDING IS COMPLETED FIRST SHALL BE REPLACED UNLESS OTHERWISE APPROVED BY CONTRACTOR.
6. ELEC. SERVICE PRIMARY DUCTBANK SEE SHT. E103 FOR DESCRIPTION



ELECTRICAL NOTES

- 2-4" EMT TELEPHONE SERVICE CONDUITS. TERMINATE IMMEDIATELY OUTSIDE CONSTRUCTION AS SHOWN.
- BUILDING TRANSFORMER VAULT
- BUILDING N.V. SWITCH ROOM
- LIFT OUT HATCH (SEE ARCH. DETAIL FOR SIZE).
- EXISTING STAIRWELL SHALL BE REMOVED & STORED BY CONTRACTOR DURING CONSTRUCTION OF BUILDING. AFTER CONSTRUCTION IS COMPLETED FIXT. SHALL BE REPLACED UNDAUNED IN THEIR APPROX ORIGINAL POSITION.
- ELEC. SERVICE PRIMARY DUCTBANK SEE SHT. E403 FOR DESCRIPTION



NOTE:
CONTRACTOR SHALL REMOVE ALL EXISTING DRAINS AND PIPING FOR THE CONSTRUCTION OF THE TUNNEL AND REPLACE AS REQUIRED BY THE NEW CONSTRUCTION.

- GEN. NOTES:**
- A. BUILDING CODE OCCUPANCY TYPE F-2
 - B. FIRE ZONE _____
 - C. BUILDING CODE CONSTRUCTION TYPE I
 - D. FLOOR TO FLOOR FIRE RATING _____
 - E. THE FOLLOWING GLASS FACTORS WERE USED IN CALCULATING AIR-CONDITIONING REQUIREMENTS:
PLAZA LEVEL - 3/8" GRAY PLATE, U=1.0, SHADING COEFFICIENT=0.55
UPPER LEVELS - 1/4" GRAY PLATE, U=1.0, SHADING COEFFICIENT=0.67
INSULATED SPANDREL GLASS, U=0.15

LEGEND

- SB TRAFFIC SIGNAL BOX
- LP LIGHT POLE
- FH FIRE HYDRANT
- FM PARKING METER
- GV GAS VALVE
- GM GAS METER
- WV WATER VALVE
- WM WATER METER
- DI DROP INLET
- OD MANHOLE
- ELECTRIC CONDUIT
- TELEPHONE CONDUIT
- TELEGRAPH CABLE
- WATER LINE
- GAS LINE
- SANITARY SEWER
- STORM SEWER

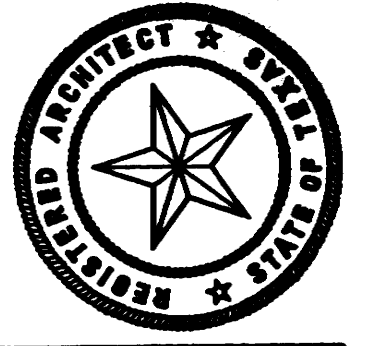
NOTE: SEE ROOF PLAN FOR ROOF DRAIN, COOLING TOWER, ETC.

NEW HARRIS COUNTY ADMINISTRATION BUILDING

SITE PLAN

SCALE: 1/16" = 1'-0"

CHECKED BY
J.W.B.
DESIGNED BY
M.L.TT
DRAWN BY
T.J.M.D., M.B.
DATE
7-24-75



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77057
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

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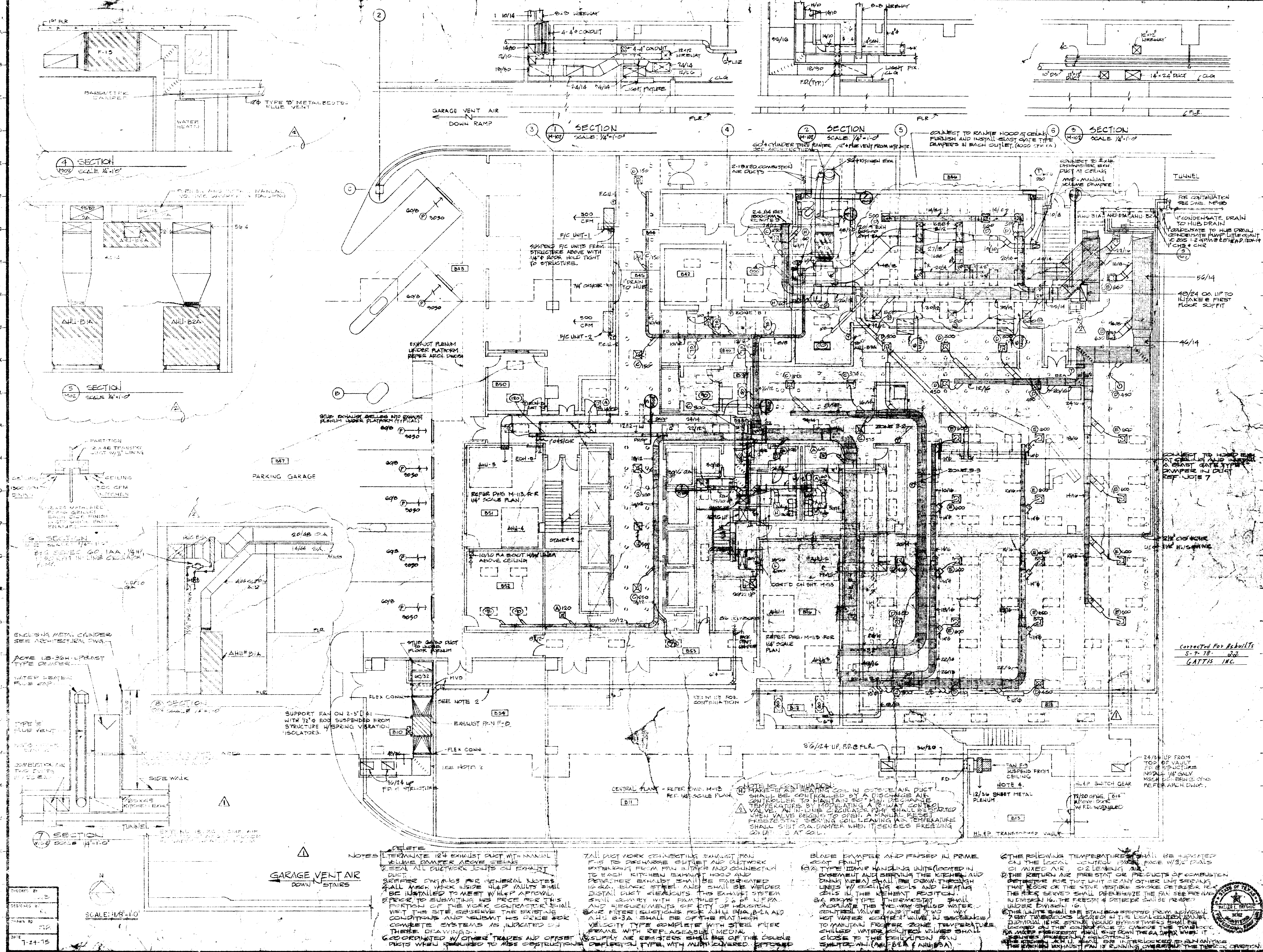
DRAWN BY
CHECKED BY
PROJECT NO. 3506
DATE 7-24-75

SITE PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

M.P.P. 101





NOTES

1. TERMINATE 12" EXHAUST DUCT WITH MANUAL YELLOW DAMPER ABOVE CEILING. SEAL ALL DUCTWORK JOINTS ON EXHAUST DUCT. REFER DWG. M-113 FOR GENERAL NOTES. ALL WORK SHALL BE INSTALLED TO MEET W/HP APPROVAL. PRIOR TO SUBMITTING HIS PRICE FOR THIS PORTION OF THE WORK CONTRACTOR SHALL VISIT THE SITE OBSERVE THE EXISTING CONDITIONS AND SUBMIT HIS PRICE FOR COMPLETE SYSTEMS AS INDICATED BY THESE DRAWINGS.

2. COORDINATED W/ OTHER TRADES AND OFFSET DUCTS WHEN REQUIRED TO MISS OBSTRUCTIONS. COMPLETELY TYPE, WITH UNCOVERED, PROPOSED.

3. ALL DUCTWORK CONNECTING EXHAUST FAN F-10 TO DISCHARGE OUTLET AND DUCTWORK EXTENDING FROM FAN INTAKE AND CONNECTION TO EACH KITCHEN EXHAUST HOOD AND DRAINAGE EXHAUST SHALL BE FABRICATED 16 GA. BLACK STEEL AND SHALL BE WELDED. INSTANT DUCT BREAKOUTS. THE EXHAUST SYSTEM SHALL COMPLY WITH PARAGRAPH 2.0 OF NFPA AND REQUIREMENTS OF CITY OF HOUSTON. AIR FILTER (S) SHALL BE OFF THE FAN HIGH VELOCITY TYPE COMPLETELY WITH STEEL FLUE FRAME WITH REPLACEMENT VALVES SHALL BE OF THE DOUBLE SUPPLY AIR RESISTERS SHALL BE OF THE DOUBLE COMPLETELY TYPE, WITH UNCOVERED, PROPOSED.

4. THE FOLLOWING TEMPERATURES SHALL BE INDICATED ON THE LOCAL CONTROL PANEL PAGE W/3/2 (DUAL) ON MIXED AIR, O2 LEAKING AIR.

5. THE RETURN AIR FIRE STAT OR PRODUCTS OF COMBUSTION DETECTOR FOR THAT UNIT BE ANY OTHER UNIT SERVING THAT ROOM OR THE STAR VESTIBULE SWITCHE OVERSEER RELAY THE ROOM SERVED SHALL DEENERGIZE THE FAN SEE FIRE ALARM INDICATOR 16. THE FREESTAT DETECTOR SHALL BE PROVIDED UNDER DIVISION 16.

6. THE UNITS SHALL BE STAIRWELL STEPPED FROM INDIVIDUAL GRAY PANS (LOCATED AT THE LOCAL CONTROL PANEL) INDIVIDUAL 15HR SPRING RETURN BYPASS VALVES SHALL BE LOCATED ON THE CONTROL PANEL TO COVER THE TIME LAG OF THE RETURN AIR UNIT WHEN THE FREESTAT DETECTOR IS TRIPPED. THE RETURN AIR UNIT SHALL BE INTERLOCKED TO SHUT DOWN THE EXHAUST FAN IF RUNNING COVERING THE TIME LAG QUESTION.

NOTE 1: CONTINUATION:
 MAKE UP AIR CONTROL COIL IN OUTSIDE AIR DUCT CONTROLLER TO MAINTAIN 20° MIN. RECHARGE TEMPERATURE BY MODULATING FAN W/ CENTRAL VALVE. AN IN-LINE COULATED FAN SHALL BE INSTALLED WHEN VALVE BEGINS TO OPEN. A MANUAL RESET FREEZE STAT SENSING COIL LEAVING AIR TEMPERATURE SHALL SHUT OFF DAMPER WHEN IT SENSES FREEZING COIL AT 20°.

NOTE 2:
 SUPPORT FAN ON 2-1/2" DI WITH 1/2" ROD SUSPENDED FROM STRUCTURE W/ SPRING VIBRATION ISOLATORS.

NOTE 3:
 EXHAUST FAN F-10.

NOTE 4:
 12" S/W SHEET METAL PLENUM.

NOTE 5:
 24" S/W UP FROM TOP OF VAULT FOR EXHAUST FAN. INSTALL 1/4" GALV MESH SCREENS ON REPER ARCH DWG.

NOTE 6:
 12" S/W SHIRT METAL PLENUM.

NOTE 7:
 24" S/W UP FROM TOP OF VAULT FOR EXHAUST FAN. INSTALL 1/4" GALV MESH SCREENS ON REPER ARCH DWG.

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 HOUSTON, TEXAS 77002

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WALTER P. MOORE & ASSOCIATES, INC.
 STRUCTURAL ENGINEERS
 CHENAU & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON, TEXAS

MECHANICAL BASEMENT FLOOR PLAN

REVISIONS

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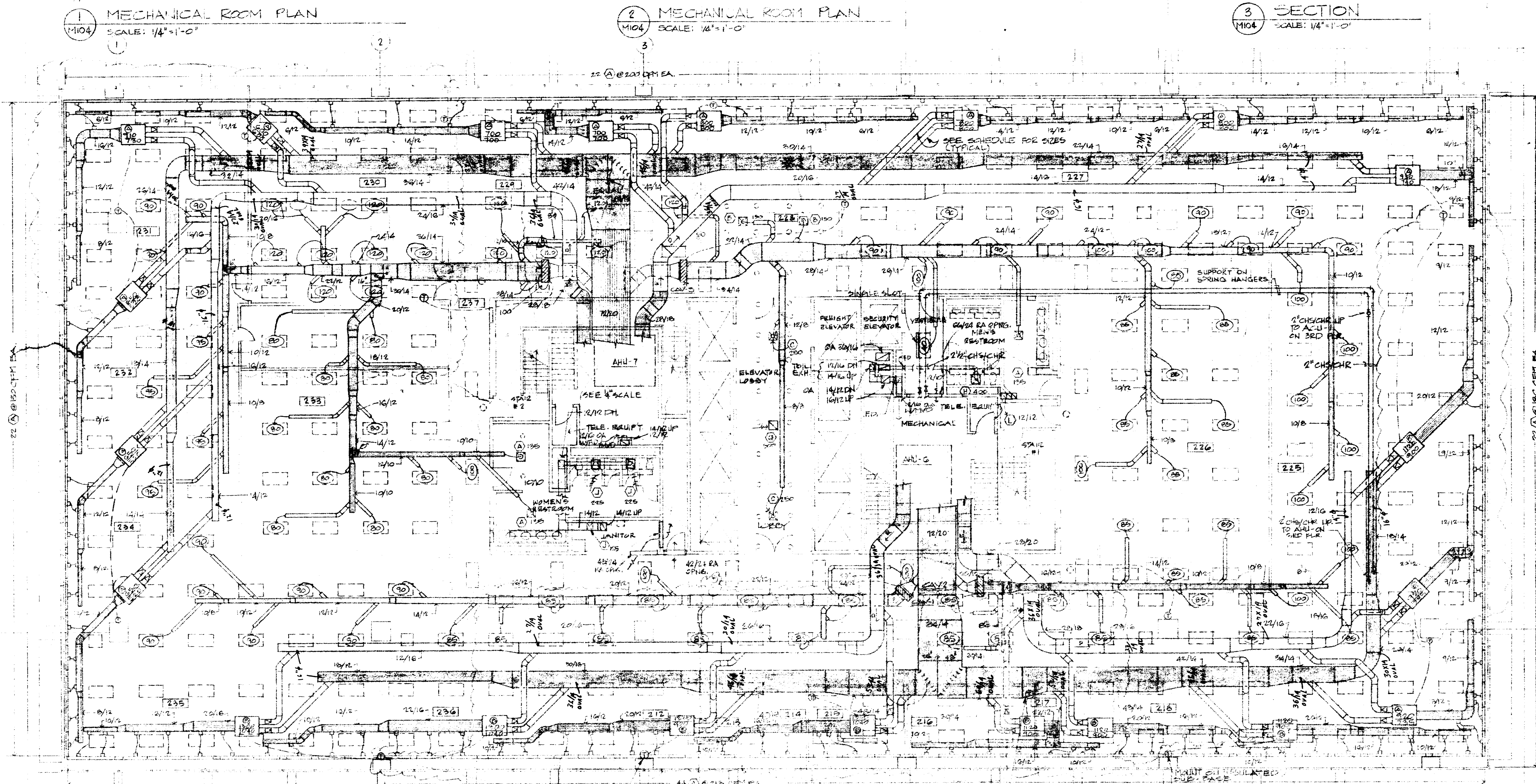
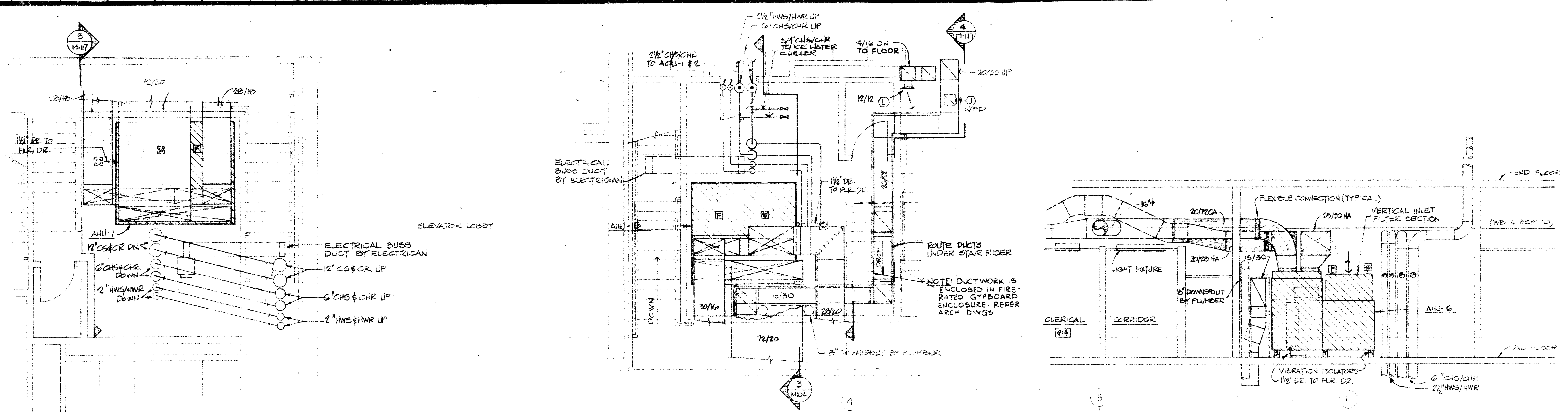
DESIGNED BY: [Signature]
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 PROJECT: [Signature]
 DATE: 7-24-15

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME.



KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
 200 SOUTHWEST TOWER
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77007
 2727 WESLAVAN
 WALTER F. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAILL & BEADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING



Corrected For Asbuilt
 S.P.P. J.D.
 GATTIS, INC.

SCALE 1/8"=1'-0"

NOTES: 1. REFER TO DWG. M103 FOR GENERAL NOTES.

DESIGNED BY	J.L.B.
REVISIONS BY	J.L.B.
DATE	7-24-75



CONTRACTOR SHALL VERIFY ALL CONDITIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

M
104



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
200 SOUTHWEST TOWER

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
2727 WESLAVAN

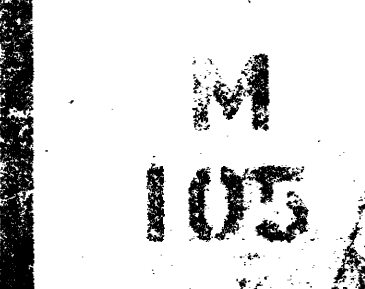
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CONSULTING ENGINEERS
CHIENAU & GRADY

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

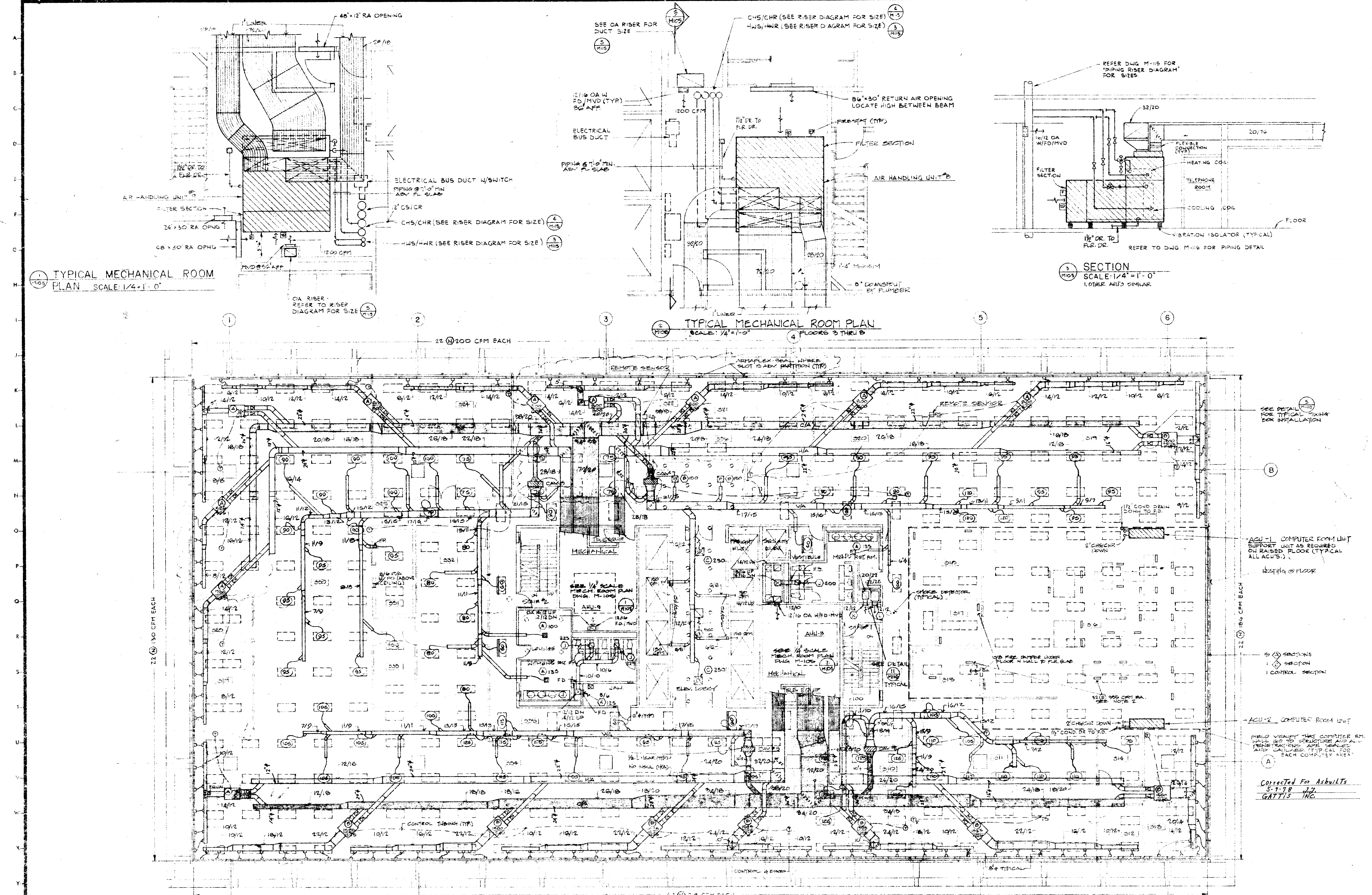
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MECHANICAL
3rd FLOOR
PLAN

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME



M
103



1 TYPICAL MECHANICAL ROOM
PLAN SCALE: 1/4" = 1'-0"

2 TYPICAL MECHANICAL ROOM PLAN
SCALE: 1/4" = 1'-0" FLOORS 3 THRU 6

3 SECTION
SCALE: 1/4" = 1'-0"
1. OTHER AHU'S SIMILAR.

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

NOTES: 1. REFER TO DWG. M-103 FOR GENERAL NOTES.
2. VERIFY EXACT LOCATION OF FLOOR GRIDDLES
WITH COMPUTER EQUIPMENT SUPPLIER.

CHECKED BY
DESIGNED BY
DRAWN BY
DATE: 04-7-70

Corrected For Asbu/LTs
5-1-78 J.L.
GATTIS INC.



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

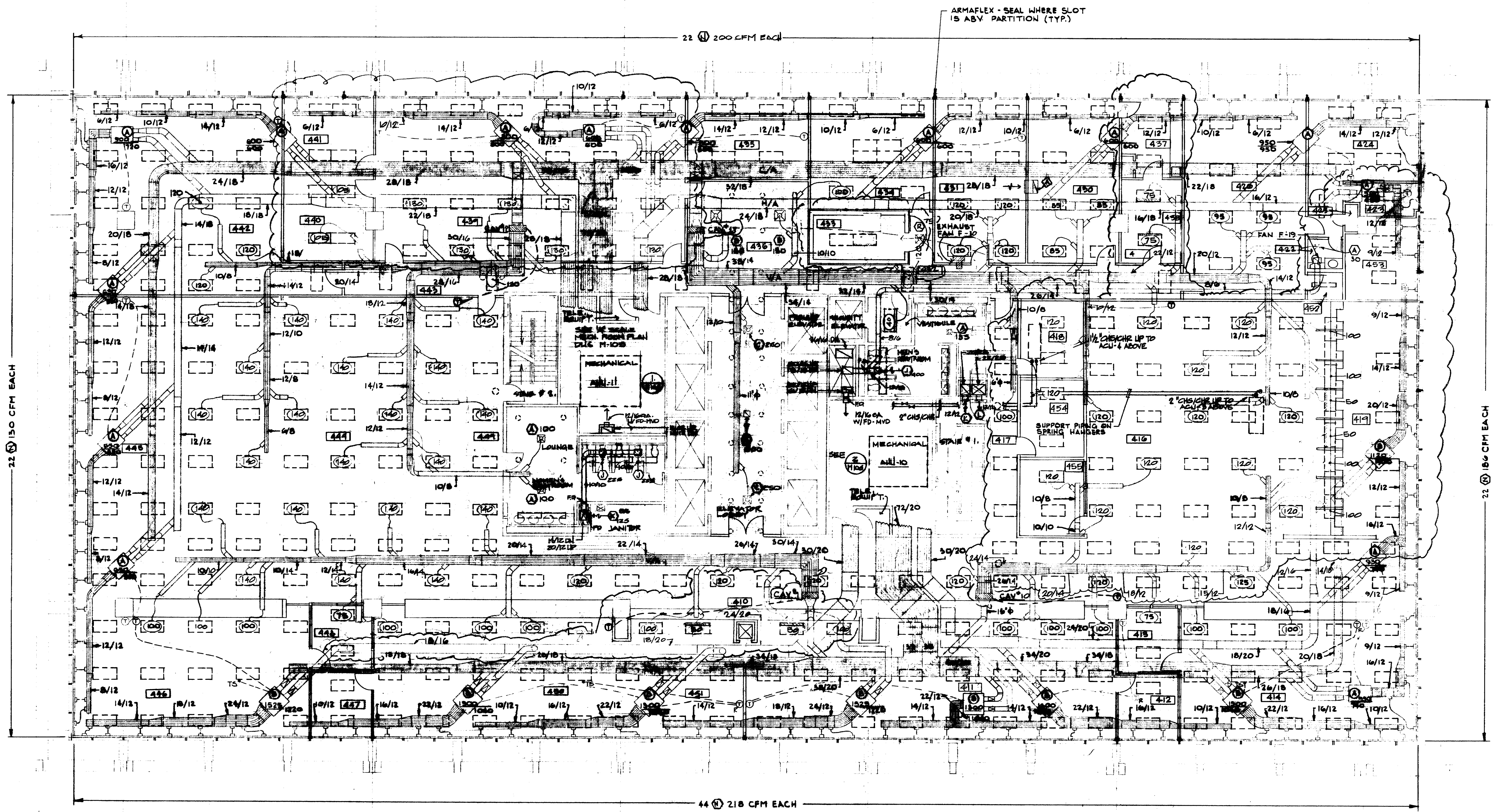
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DRAWN BY
CHECKED BY
PROJECT NO. 3506
DATE 7-28-75

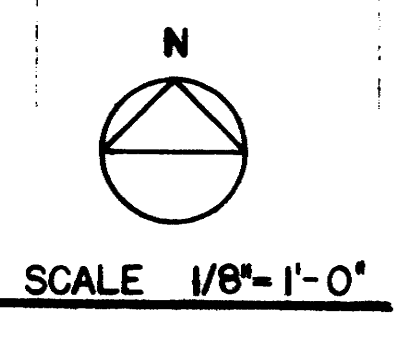
**MECHANICAL
4th FLOOR
PLAN**

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

**M
106**



NOTES: 1. REFER DWG. M-103 FOR GENERAL NOTES.



JWB
R.L.
D.B.
7-24-75



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

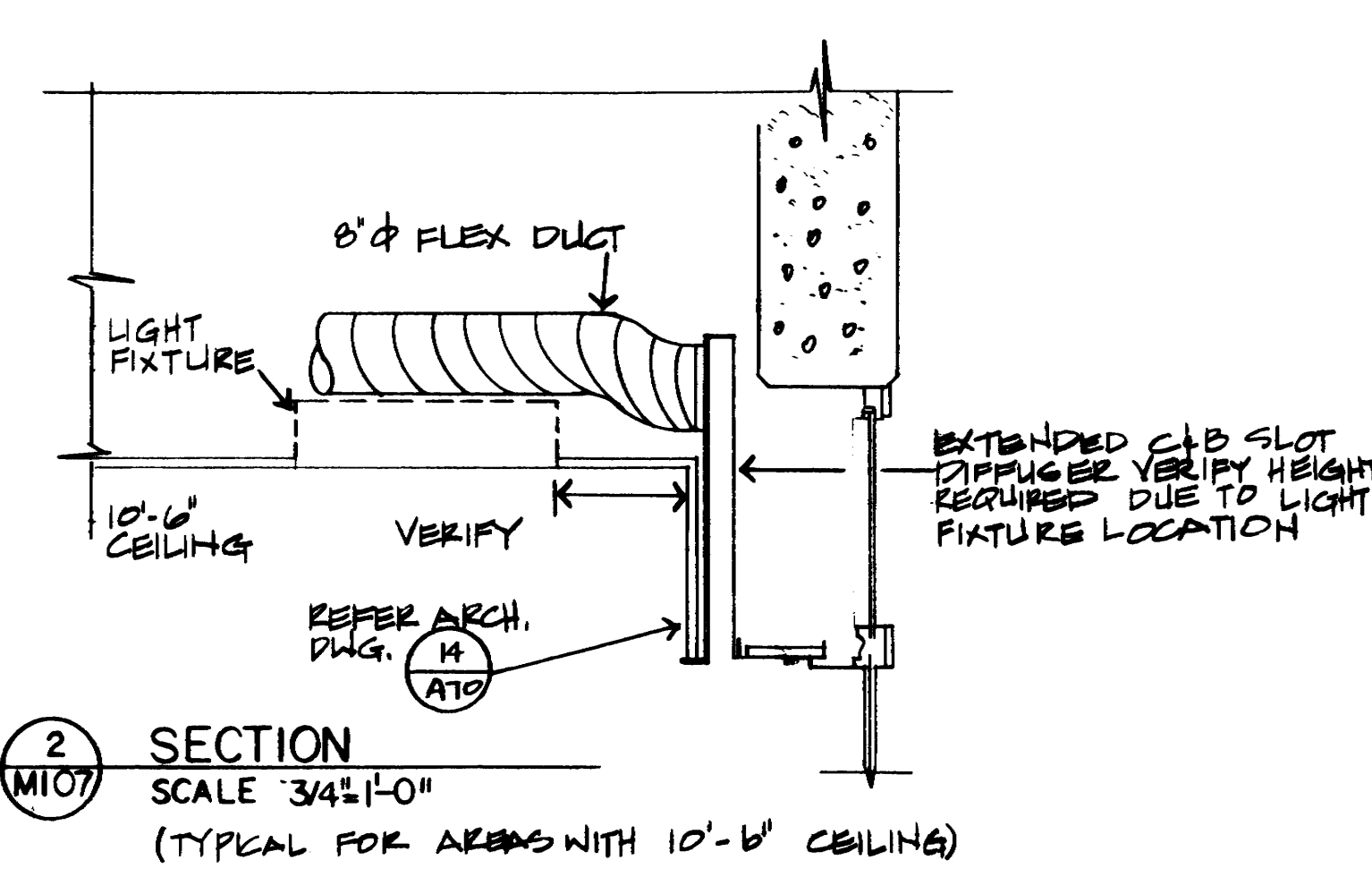
HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON, TEXAS

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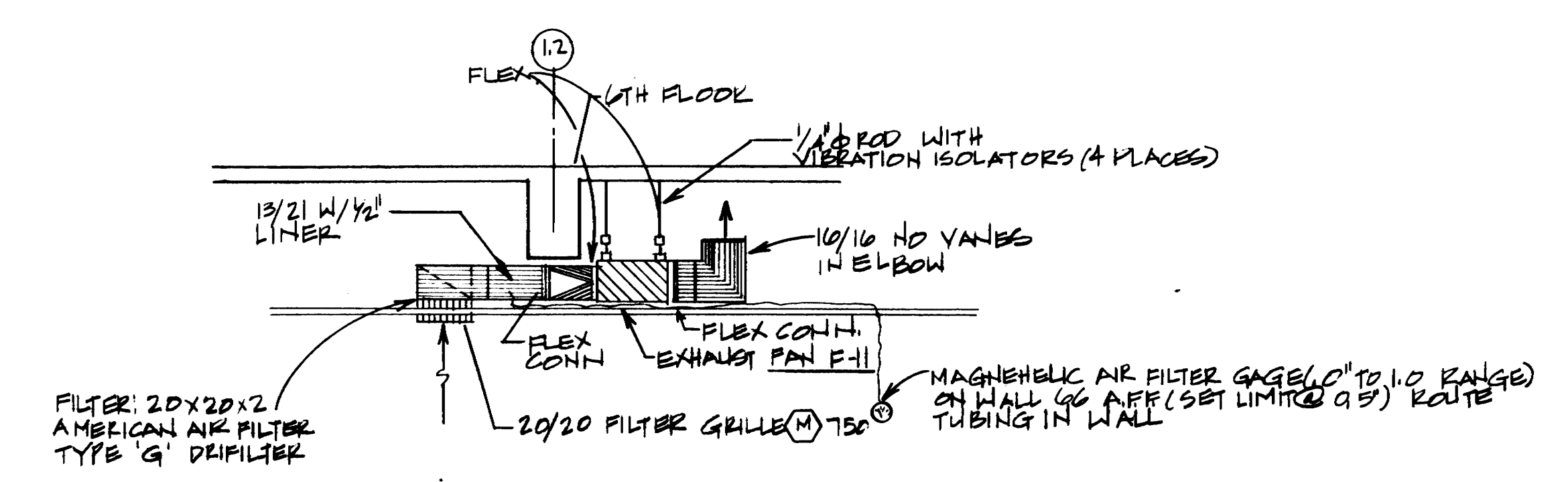
MECHANICAL
5th FLOOR
PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

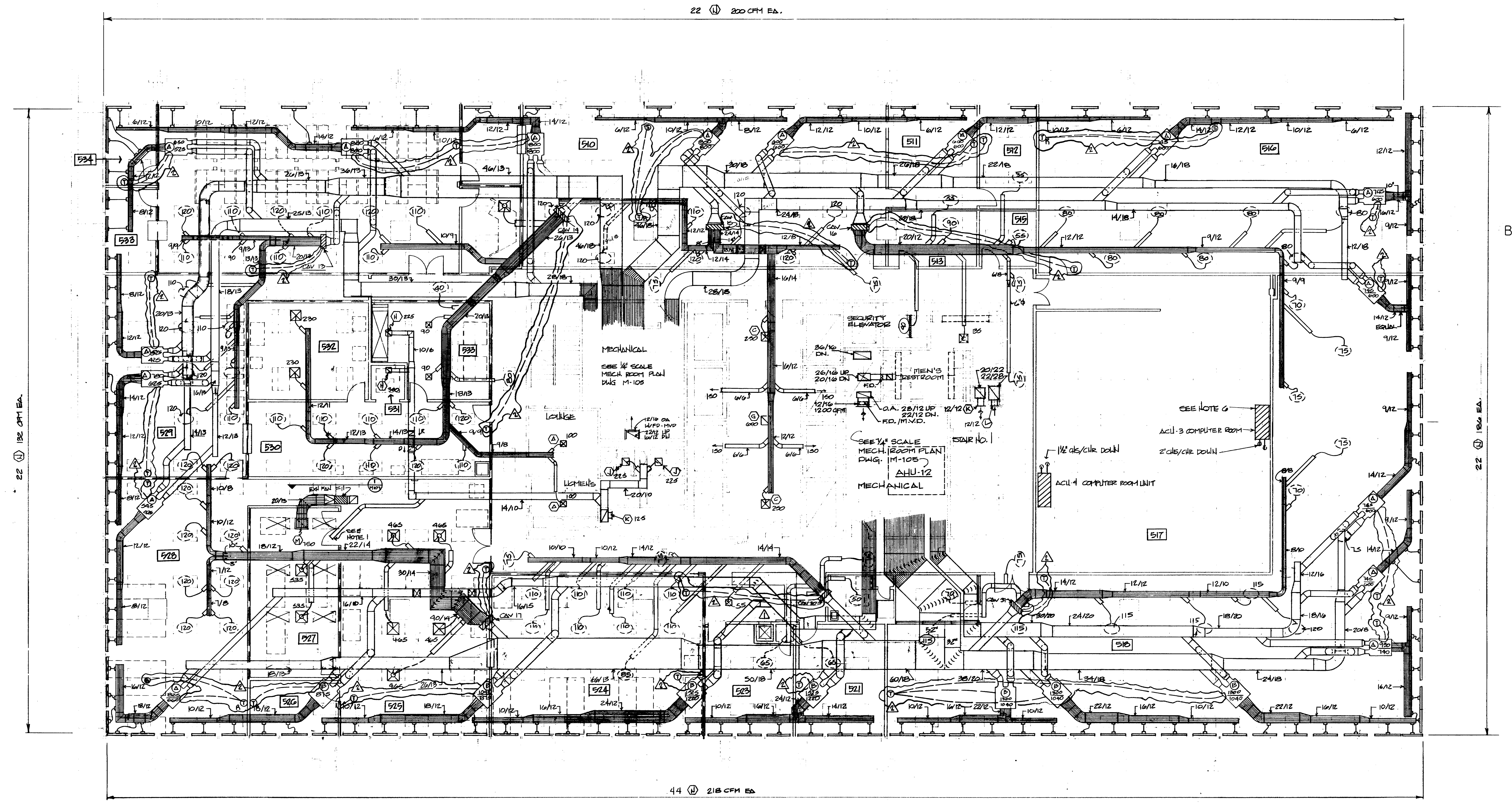
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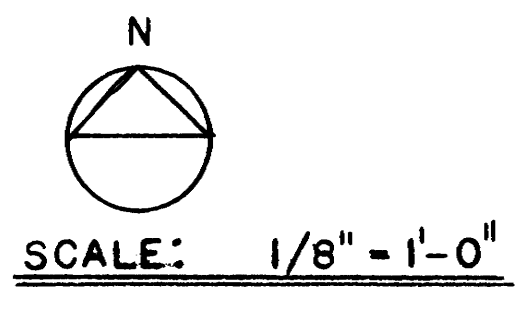
SECTION 2
SCALE: 3/4" = 1'-0"
(TYPICAL FOR AREAS WITH 10'-0" CEILING)



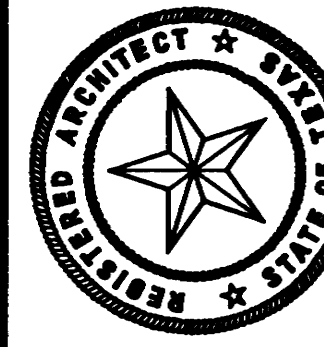
SECTION 1
SCALE: 1/4" = 1'-0"



- NOTES:
1. CONNECT 6" Ø EXHAUST DUCT TO COPY FLOW MACHINE. INSTALL A MANUAL VOLUME DAMPER BELOW CEILING. FIELD LOCATE EXACT LOCATION OF EXHAUST OUTLET.
 2. ALL RETURN OPENINGS, INCLUDING TOP VENTS, SHALL BE SEAL OFF ON LIGHT FIXTURES IN ROOM 527 (OFFSET 2" FROM FM).
 3. ROOMS WITHIN DASHED AREAS HAS 10'-0" CEILING.
 4. REFER Dwg. M-105 FOR GENERAL NOTES.
 5. MAGNETIC FILTER GAGE LOCATION ON WALL WITH FAN-FIL CONTROL SWITCH.
 6. FIELD VERIFY EQUIPMENT LOCATION.



GENERAL REVISION
ENTIRE SHEET
REDRAWN



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAU & BRADY CONSULTING ENGINEERS

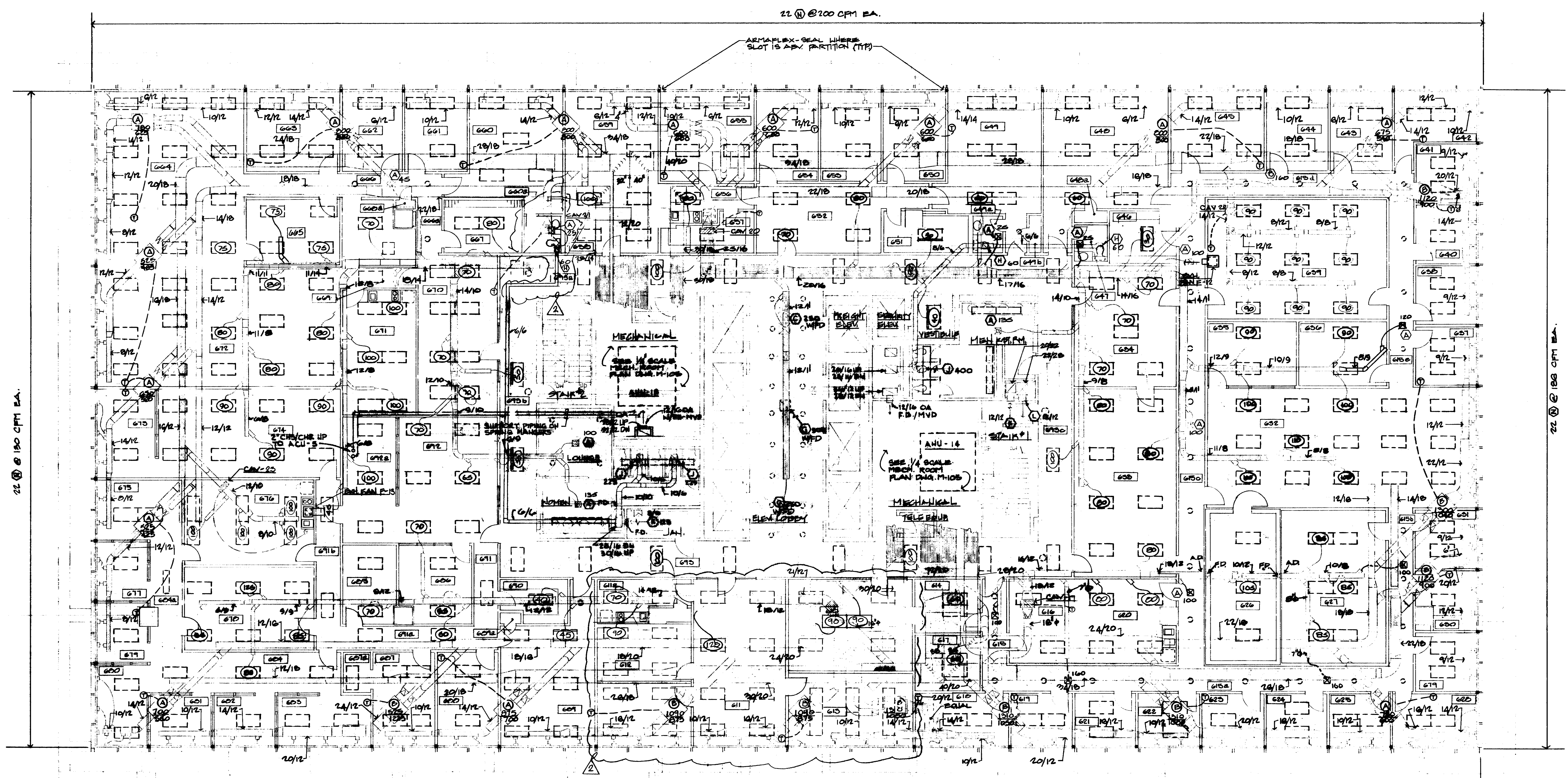
**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

REVISIONS	
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2	8-2-10-77 REV. J.C.
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DRAWN BY	
CHECKED BY	
PROJECT NO. 3506	
DATE 7-29-75	

**MECHANICAL
6th FLOOR
PLAN**

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME

**M
108**



22 @ 180 CPM EA. (Left side)
22 @ 210 CPM EA. (Top center)
44 @ 210 CPM EA. (Bottom center)
22 @ 180 CPM EA. (Right side)

SCALE 1/8"=1'-0"

NOTES: 1. REFER DWG. M-103 FOR GENERAL NOTES.

JWB
R.L.
R.S.
7-24-75



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HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

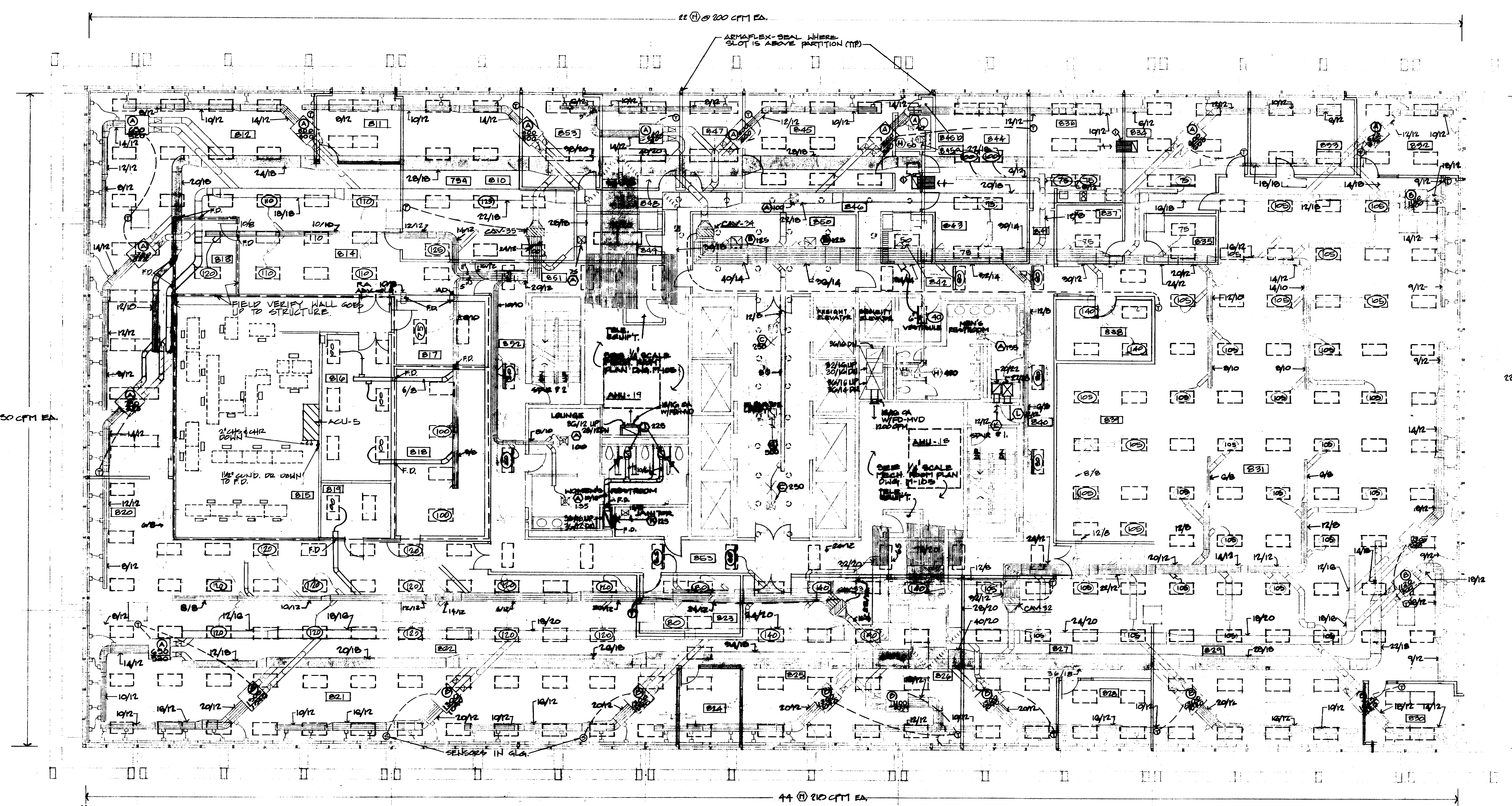
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CHECKED BY
PROJECT NO. 3506
DATE 7-28-75

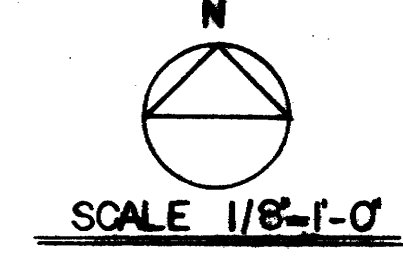
**MECHANICAL
8th FLOOR
PLAN**

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

**M
109**



NOTES: 1. REFER DWG. M-103 FOR GENERAL NOTES.



SEVENTH
EIGHTH
ENTIRE FLOOR REVISED

DATE	7-24-75
BY	JWB
CHECKED	RL
APPROVED	MD



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
200 SOUTHWEST TOWER

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
2727 WESLAVAN

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

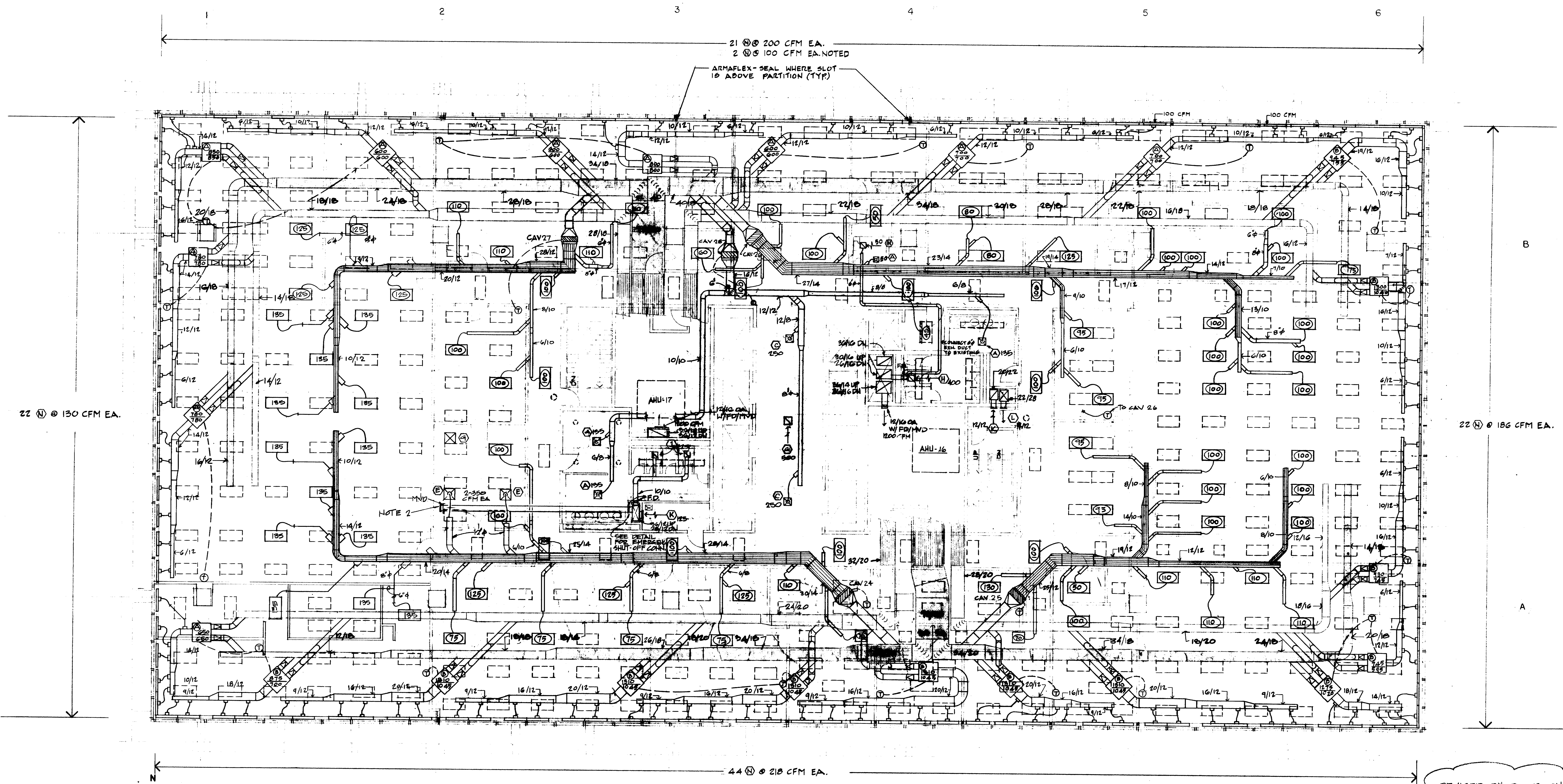
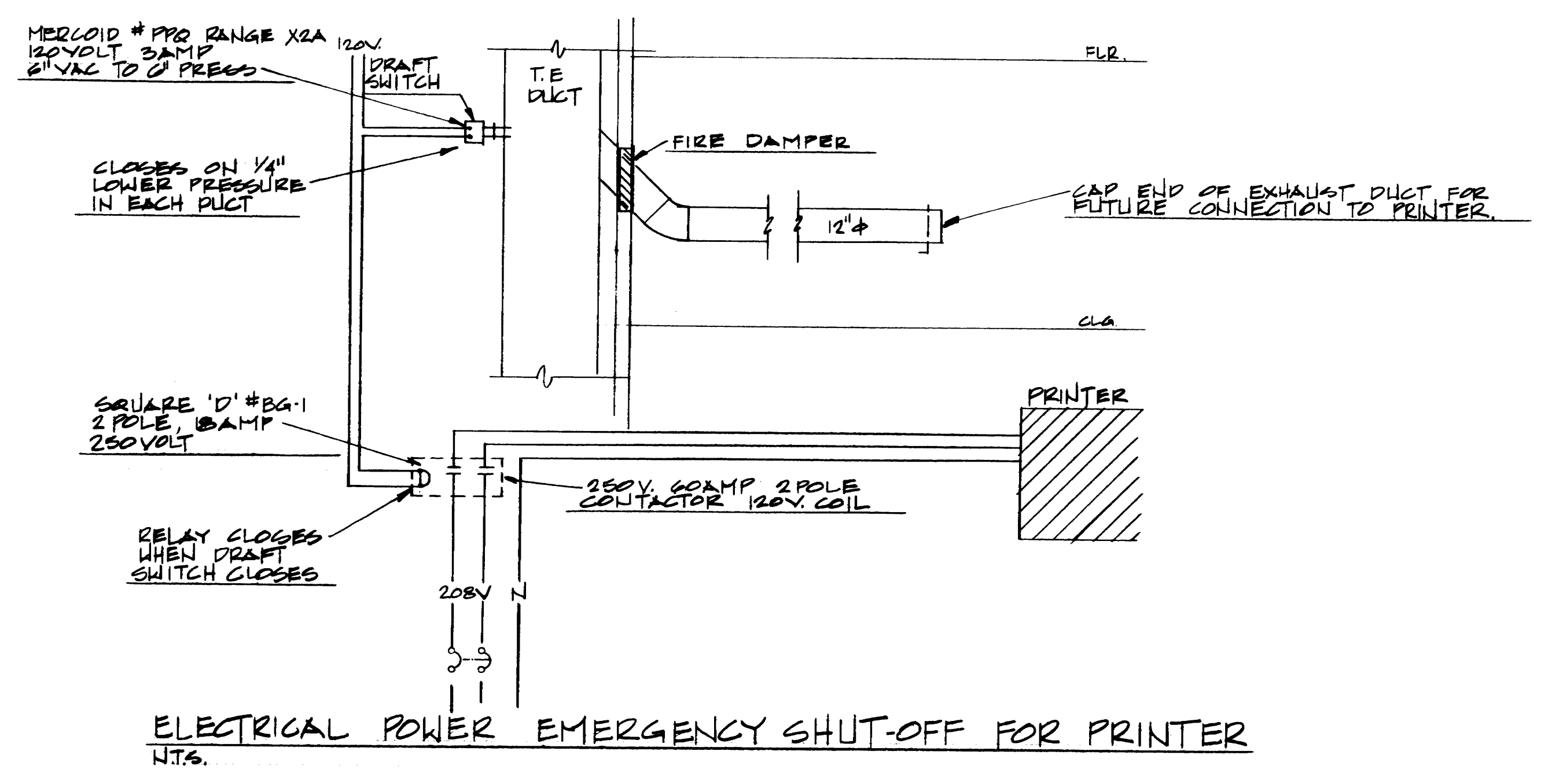
REVISIONS

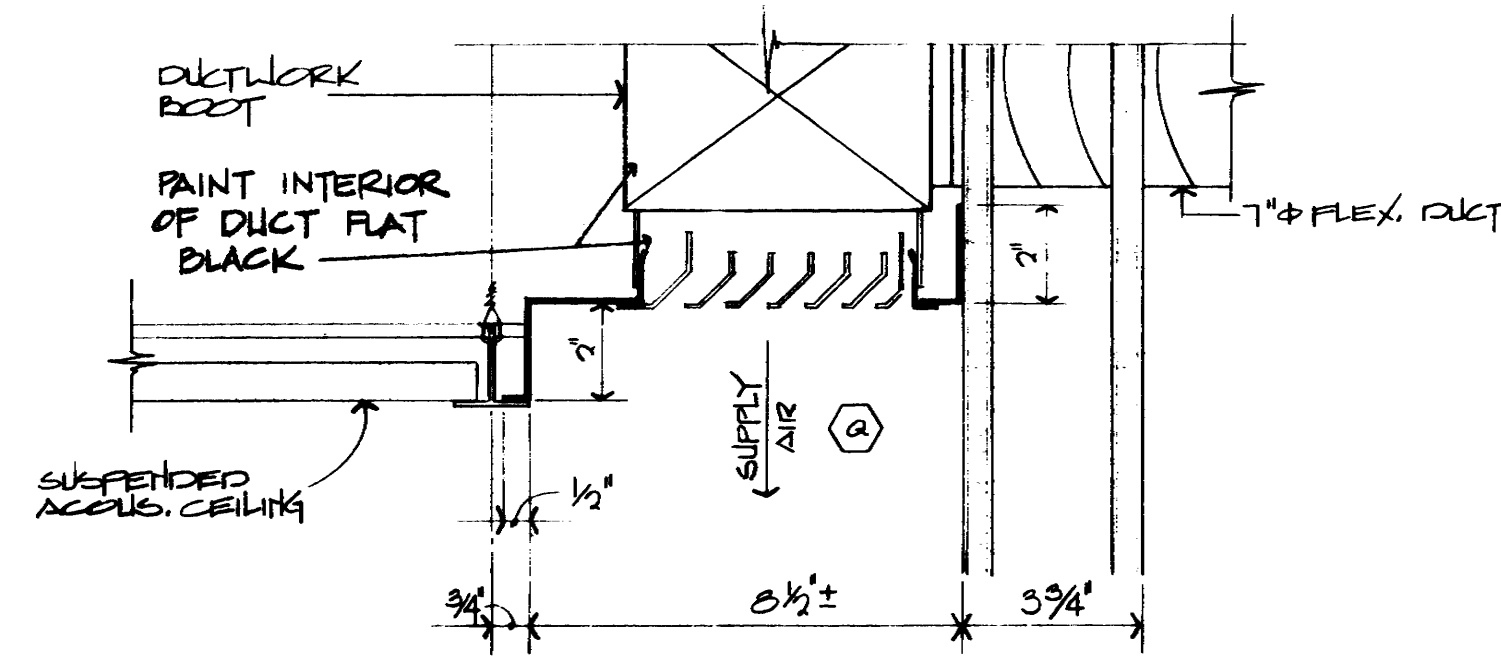
1	8 DEC '70
2	1/26-71 P.F. WHOLE
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MECHANICAL
7th FLOOR
PLAN

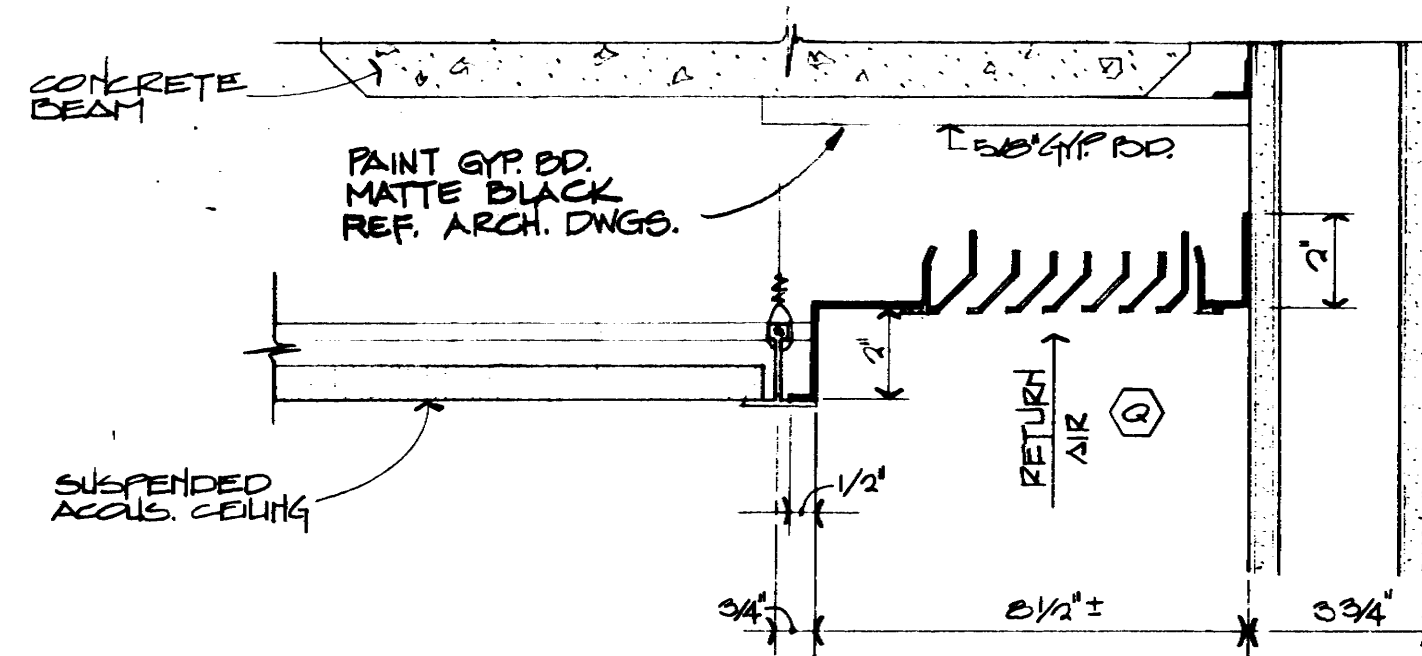
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

M
110

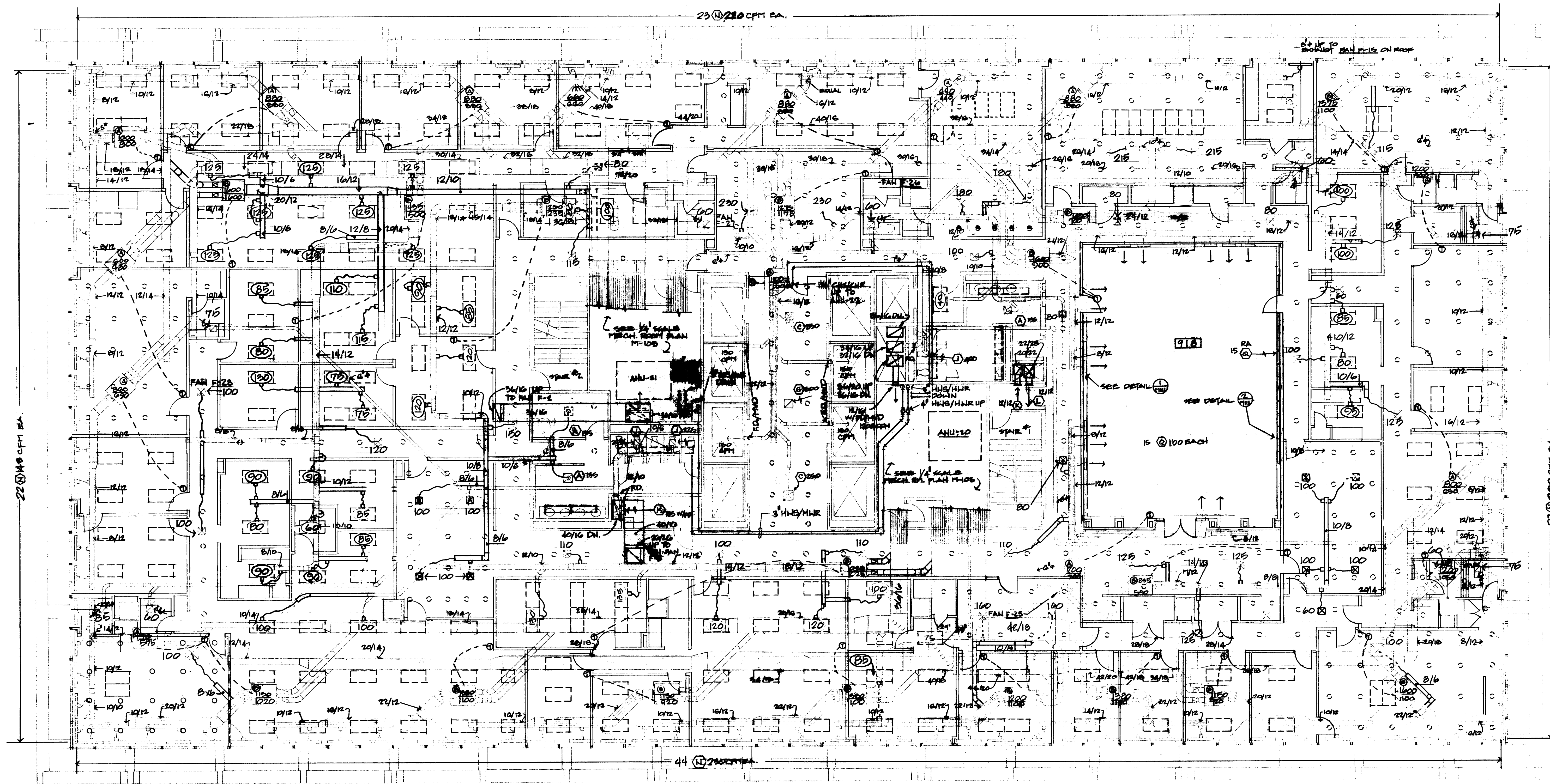




1 CEILING REVEAL @ COURTROOM 918-WEST WALL
SCALE: 3'-0"



2 CEILING REVEAL @ COURTROOM 918-EAST WALL
SCALE: 3'-0"

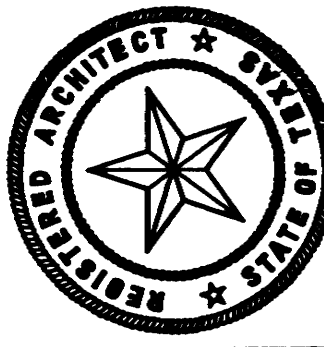


SCALE: 1/8"=1'-0"

NOTES: 1. REFER DWG. M-103 FOR GENERAL NOTES.

△ GENERAL REVISION
ENTIRE SHEET REDRAWN

JWB
RL
10
7-24-75



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

REVISIONS	
1	14-11-77 GEN. REV.
2	4-23-77
3	
4	
5	

DRAWN BY
CHECKED BY
PROJECT NO. 3506
DATE 7-28-75

**MECHANICAL
9th FLOOR
PLAN**

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME





KENNETH BENTZEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAU & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

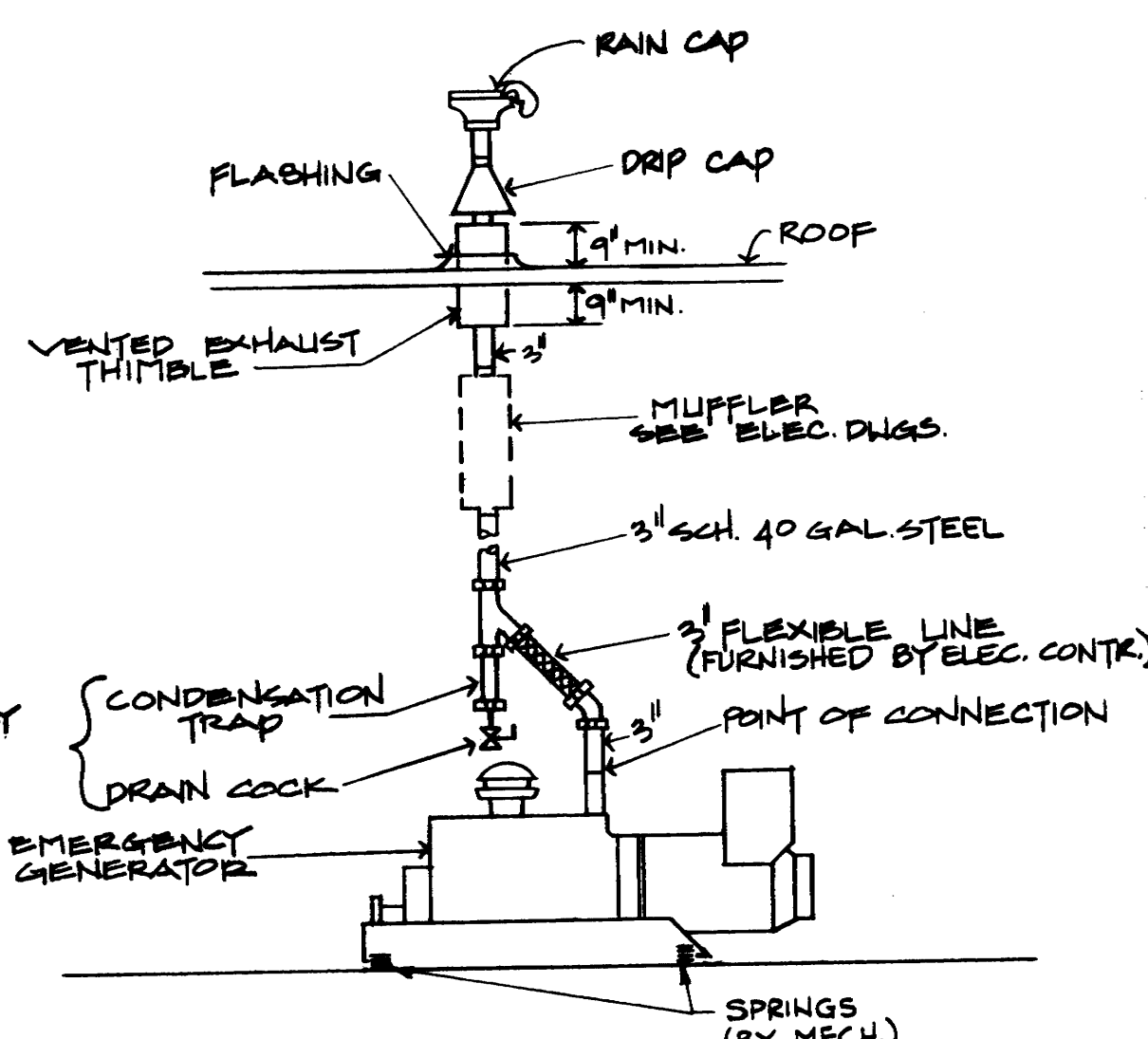
NO.	REVISIONS
1	10-14-77 REVISED ABOVE VESTIBULES
2	
3	
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DRAWN BY
CHECKED BY
PROJECT NO. 3506
DATE 7-28-75

MECHANICAL ROOF PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

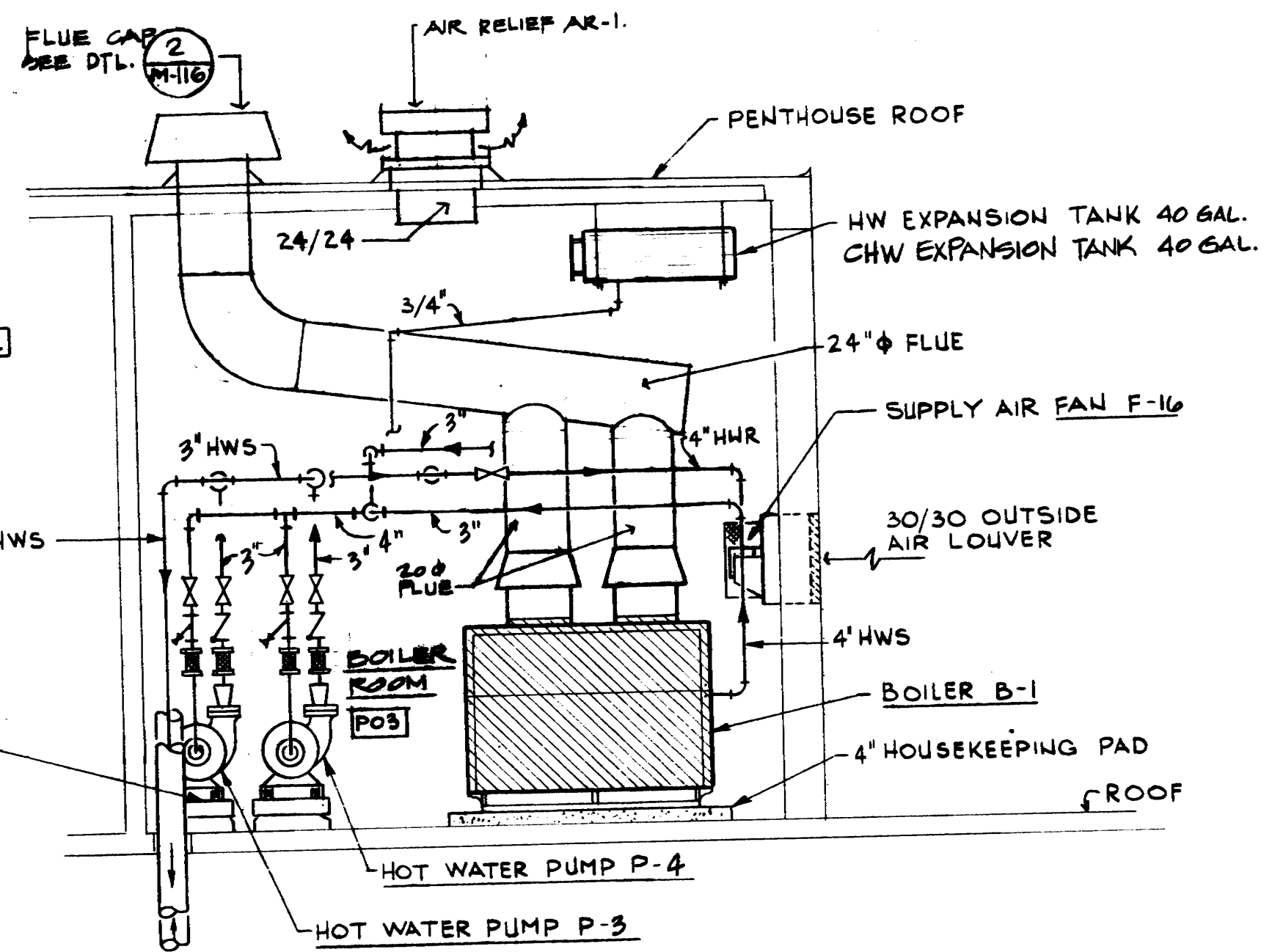
M 112



4 EXHAUST DETAIL
M-112 NO SCALE

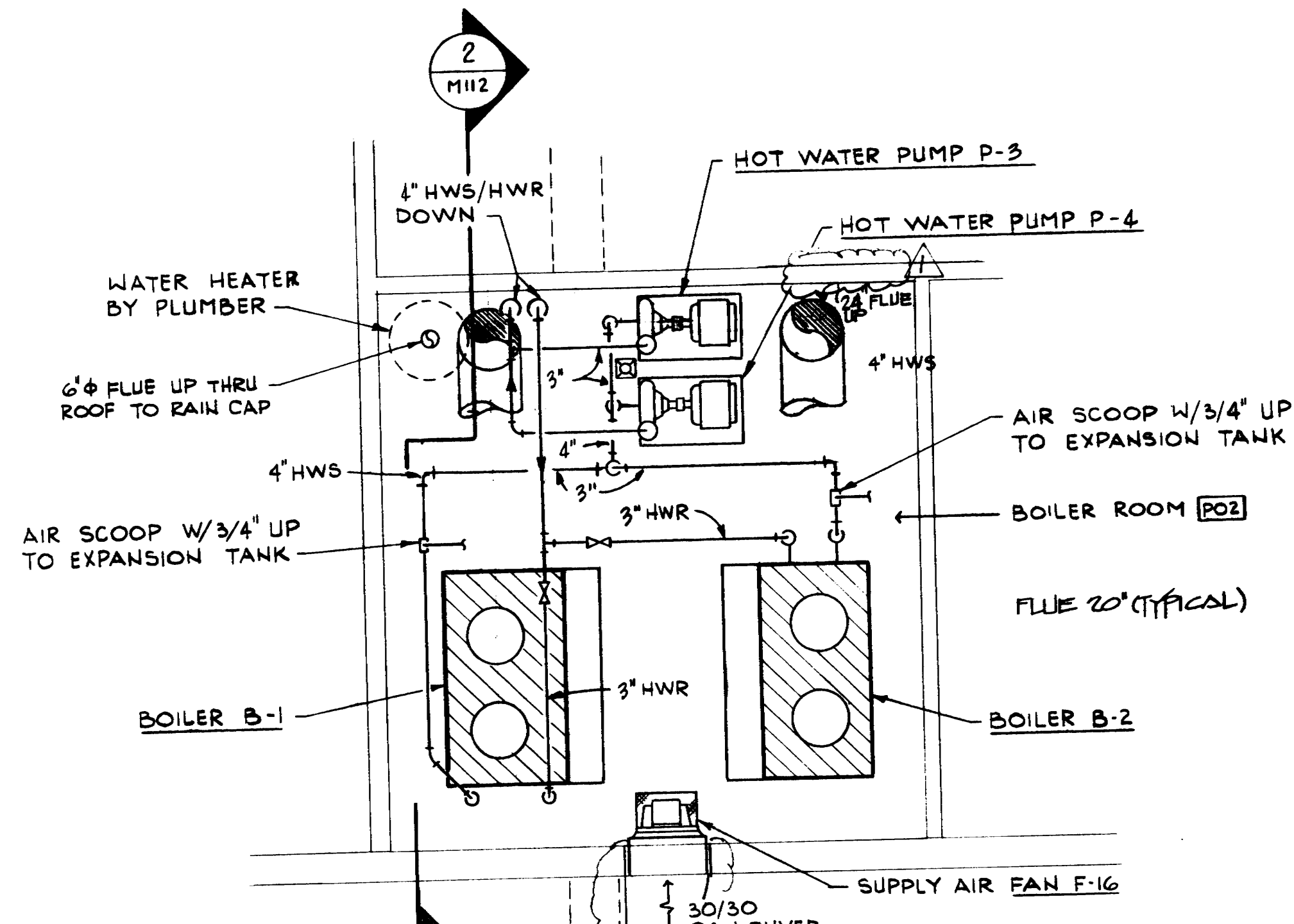
NOTES: EXHAUST LINE TO BE INSTALLED BY MECH. CONTR. TO POINT OF CONNECTION. COORDINATE WITH ELEC. CONTR. FOR MATERIALS REQUIRED.

1 PLAN - MACHINE LEVEL
SCALE: 1/8" = 1'-0"

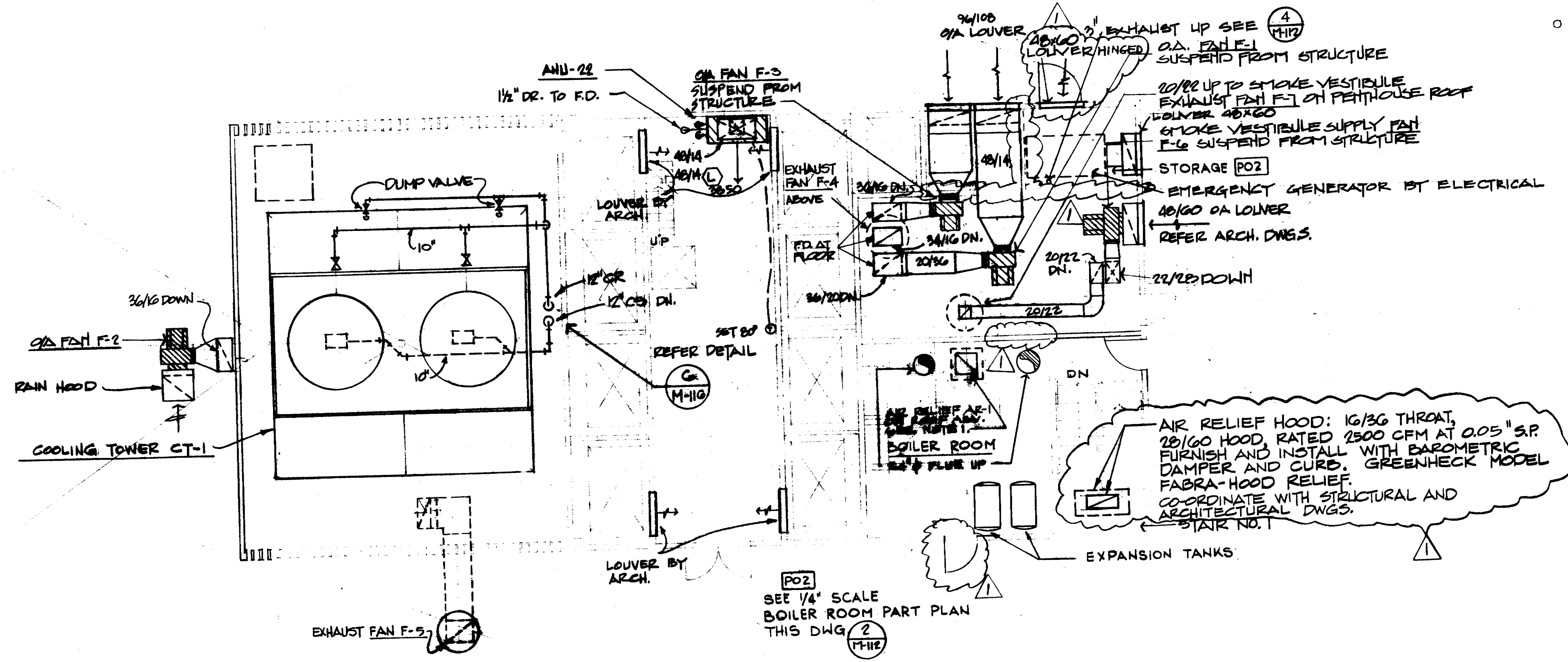


2 SECTION
SCALE: 1/4" = 1'-0"

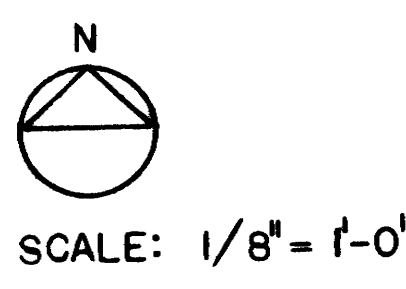
NOTE: REFER TO SPECIFICATIONS FOR PUMP VIBRATION ISOLATION



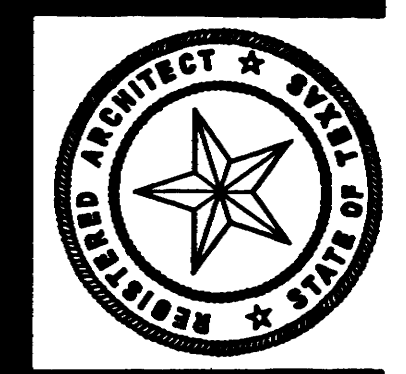
3 BOILER ROOM PART PLAN
SCALE: 1/4" = 1'-0"



NOTES:
1. AR-1: HOOD OUTLET AREA, 3 SQ. FT.; THROAT AREA 3 SQ. FT.; 700 CFM @ 0.1" S.P.; ACME SKYMASTER 36x36 HOOD, 24x24 THROAT, 26x26 RO. W/CURB.
2. REFER DWS. M-103 FOR GENERAL NOTES.



JWB.
DESIGNED BY RL
DRAWN BY MD, DP
DATE 7-24-75



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
200 SOUTHWEST TOWER

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
2727 WESLAVAN

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON
TEXAS

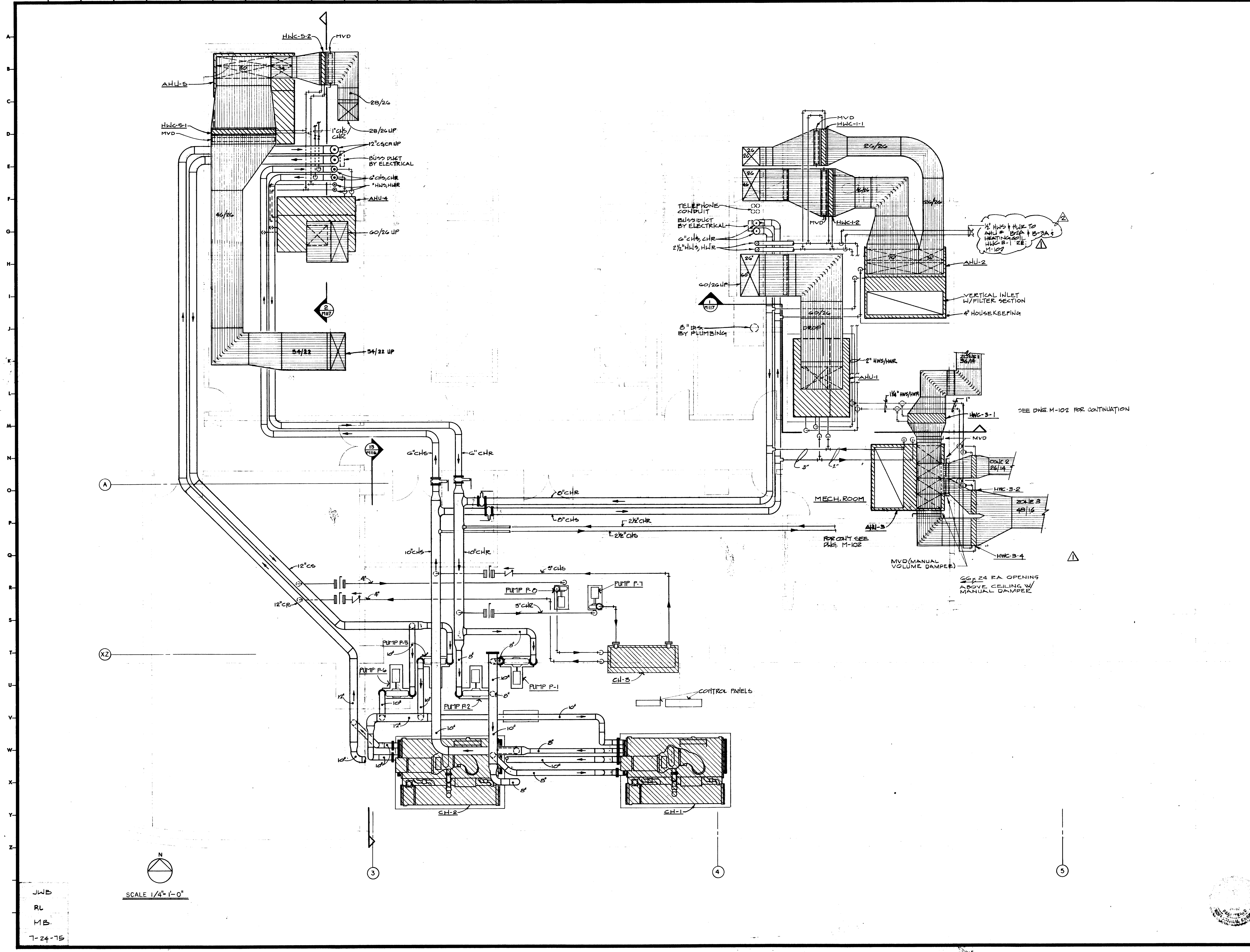
REVISIONS	
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2	2-12-76
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DRAWN BY
CHECKED BY
PROJECT NO. 3506
DATE 7-28-75

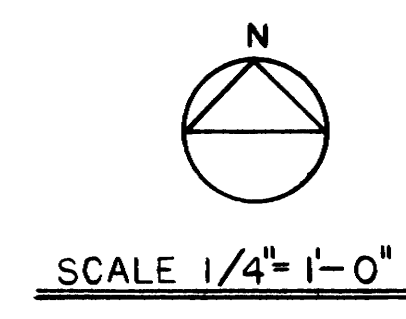
MECHANICAL
PLAN
CENTRAL
PLANT

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME

M
113



JWB
RL
MB
7-24-75



SUPPLY AIR LEGEND

SYMBOL	DESCRIPTION
	LIGHT FIXTURE WITH SUPPLY AIR SADDLE RETURN OPEN
	LIGHT FIXTURE WITH SUPPLY AIR SADDLE RETURN OPEN
	LIGHT FIXTURE WITH RETURN OPEN
	LIGHT FIXTURE WITH RETURN CLOSED
	LIGHT FIXTURE WITH MALE SUPPLY AIR SADDLE RETURN OPEN
	ROUND SHEET METAL DUCTS - SIZES NOTED
	ROUND FLEXIBLE DUCT - SIZES NOTED
	AIR QUANTITY
	SLOT SUPPLY AIR
	SLOT RETURN AIR
	THERMOSTAT-MOUNT THERMOSTATS
	THERMOSTAT-MOUNT THERMOSTATS

MARK	CFM	TL BTUH	ENT DB	ENT WB	LVG DB	LVG WB	GPM	P.D. FT.	FAN HP	HTR KW	REMARKS						
CT-1	1048	80	96	86	3132	2-40	480	3	18	MARLEY M15 451-302							
① FURNISH FAN MOTORS WITH 2 SPEED-2 WINDING MOTORS																	
B-1	7291	2623	130	140	180	3.0	2-20"	NATL GAS	CONVECT	RAT PAK RATHERM IV 2291							
B-2																	
CH-1	524	56°	42°	230	15	.0005	86	96	1566	25	.0005	440	460	3	-	CARRIER 19EAT3	
CH-2																	
CH-3	175	56°	42°	165	12	.0005	86	96	220	15	.0005	75	460	3	-	CARRIER 30HROB	

MARK	TYPE	CFM	TL BTUH	ENT DB	ENT WB	LVG DB	LVG WB	GPM	P.D. FT.	FAN HP	HTR KW	REMARKS
P-1	CHILLED WTR.	SPLIT CASE	1750	830	85	30	460	3	AURORA 410	8-8	118	
P-2	HOT WATER	END SUCTION	1750	130	70	7 1/2	460	3	AURORA 340	2 1/2	3	
P-3	CONDENSER WTR	SPLIT CASE	1750	1366	85	40	460	3	AURORA 410	8-10	15	
P-4	CHILLED WTR.	END SUCTION	1750	185	85	10	460	3	AURORA 340	3 1/4	12	
P-5	CONDENSER WTR	END SUCTION	1750	220	85	5	460	3	AURORA 340	2 1/2	9	

FAN SCHEDULE

MARK	TYPE	CFM	TL BTUH	ENT DB	ENT WB	LVG DB	LVG WB	GPM	P.D. FT.	FAN HP	HTR KW	REMARKS
F-1	SUPPLY	10,600	1 1/4"	1900	7 1/2	460	3	BELT	CLARAGE 49MB			PENTHOUSE
F-2	SUPPLY	9,600	1 1/4"	1200	3	460	3	BELT	CLARAGE 49MB, WP COVER & COIL			ROOF
F-3	SUPPLY	8400/4100	1"	1395/685	5	460	3	BELT	CLARAGE 44 1/2 MB	2-SPEED		PENTHOUSE
F-4	EXHAUST	3000	3/4"	653	1	460	3	BELT	ACME P21J, BS			ROOF
F-5	EXHAUST	8500	3/4"	751	1 1/2	460	3	BELT	ACME P21K, BS			ROOF
F-6	SUPPLY	3200	3/4"	630	3	460	3	BELT	CLARAGE 33LS			PENTHOUSE
F-7	EXHAUST	4000	3/4"	688	3/4	460	3	BELT	ACME P21H, BS			ROOF
F-8	EXHAUST	22,400	1 3/4"	901	15	460	3	BELT	CLARAGE 75 SA	1/2" BELT GUARD		
F-9	SUPPLY	8175	3/4"	636	5	460	3	BELT	CLARAGE 44 1/2 L/S	W/ DISCHARGE LOWERS		
F-10	EXHAUST	885	1/2"	1050	1/8	120	1	DIRECT	PENN ZEPHYR 2-12	W/ 45 SPEED CONTROL		
F-11	EXHAUST	750	1/2"	1330	1/4	120	1	BELT	GREENHECK 305-10-4	W/ 1/2" W SPEED CONTROL		
F-12	EXHAUST	270	1/4"	970	1/40	120	1	DIRECT	ACME P21J, BS	45 SPEED CONTROL		
F-13	SUPPLY	2070	1/4"	1160	1/8	120	1	DIRECT	ACME P21J, BS	REVERSE AIRFLOW SAFETY ARMED		
F-14	EXHAUST	3530	1/4"	638	1/8	120	1	BELT	ACME P22F, BS, BOD			PENTHOUSE
F-15	EXHAUST	95	1/8"	1050	1/25	120	1	DIRECT	PENN ZEPHYR 2-6			
F-16	EXHAUST	915	1/8"	700	1/2	120	1	DIRECT	PENN ZEPHYR 2-14			
F-17	EXHAUST	11,845	1-5"	680	7 1/2	460	3	BELT	ACME P21K, BS	IN-LINE CENTRIFUGAL TYPE, FAN MANUF. SHALL SUPPLY SPRING WINDING SUPPORT TYPE VIBRATION ISOL. BELT GUARD		
F-18	SUPPLY	4000	3/8"	1490	1 1/2	460	3	BELT	GREENHECK 305-16-15			

- ① INTERLOCK FAN WITH BOILER CONTROLS SO BOILERS WILL NOT FIRE UNLESS FAN IS OPERATING.
- ② FURNISH 2-SPEED, 2 WINDING MOTOR
- ③ ALL FANS 2000 CFM AND HIGHER SHALL HAVE A FIRESTAT.
- ④ FAN-FAN CURVES SHALL BE PROVIDED.

AIR CONDITIONING UNIT SCHEDULE (COMPUTER ROOM UNITS)

MARK	CFM	TL BTUH	ENT DB	ENT WB	LVG DB	LVG WB	GPM	P.D. FT.	FAN HP	HTR KW	REMARKS			
ACU-1	5920	177.4	14.2	75	62.5	55	54	35.5	33	2	460	3	12.0	LIEBERT FD251C
ACU-4	3710	129	12.5	75	62.5	55	54	21.5	36	1 1/2	460	3	12.3	LIEBERT FD13C

- ① REFER SPECIFICATIONS FOR FILTER & CONTROL REQUIREMENTS. VERIFY WITH COMPUTER EQUIPMENT SUPPLIER FOR COLOR REQ.
- * PUMP SELECTION (PUMP P-1) BASED ON NORMAL OPERATION (AFTER HOUR OPERATION T.O.H. OF 55 HD REQUIRES RAISING PUMP HEAD BACK TO 75-85 FT. BY THROTTLING VALVES.) SIMILAR FOR P-2 EXCEPT AFTER HOUR OPERATION T.O.H IS 45 FT.

FAN COIL UNIT SCHEDULE

MARK	CFM	COOLING TL BTUH	ENT AIR DB	ENT AIR WB	LVG AIR DB	LVG AIR WB	FAN V	FAN W	HTR KW	REMARKS
F/C-1	300	13,100	76	65	56	55	120	110	3KW	CARRIER 42HEG 4 ROW COIL 2 GPM @ 42° CHW
F/C-2	750	16,800	76	65	56	55	120	270	4KW	CARRIER 42VAG 4 ROW COIL 2.5 GPM @ 42° CHW

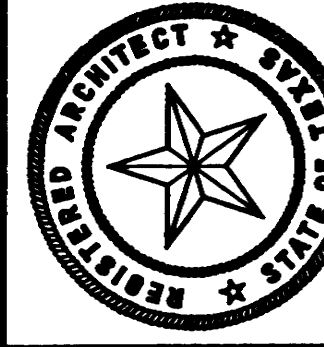
COLD AIR VALVE SCHEDULE (CONT.)

MARK	CFM	TL BTUH	ENT DB	ENT WB	LVG DB	LVG WB	REMARKS
32	1795	24"	12"	12"	12"	12"	ANEMOSTAT LPL
33	2210	24"	12"	12"	12"	12"	
34	3560	30"	14"	14"	14"	14"	
35	1720	18"	12"	12"	12"	12"	

AHU	CFM	TL BTUH	ENT DB	ENT WB	LVG DB	LVG WB	GPM	P.D. FT.	FAN HP	HTR KW	REMARKS																		
1	16,000	16,000	2100	3.2	1.5	20	460	3	616.3	29.8	79.6	672	56	155	80.1	15	754.8	64.9	108.5	37.8	15	2"	1 1/2"	CARRIER 3AED32					
2	15,800	16,650	2100	3.2	1.5	20			608.6	29.8	79.6	672			86.9													3AED32 MZ	
3	9,500	11,860	1180	2.7	1.2	15			365.9	21.0	79.6	672			52.2													3AED21 ME	
4	16,000	16,000	2100	3.2	1.5	20			616.3	29.8	79.6	672			80.1													3AED32	
5	17,100	21,000	2100	2.7	1.2	20			680.7	38.5	79.6	672			94.1													3AED39 ME	
6	15,300	18,400	1200	3.0	1.3	20			440.6	29.8	79.6	645			62.9													3AED32 DD	
7	15,225	18,300	1200	3.0	1.3	20			448.1	29.8	78.7	646			64.0														
8	15,000	18,000	1200	3.0	1.3	20			426.6	29.8	78.5	643			60.9														
9	14,500	17,400	1200	3.0	1.3	20			436.5	29.8	78.8	643			62.4														
10	16,755	19,150	1200	3.0	1.3	20			484.6	29.8	78.6	643			65.2														
11	18,975	17,775	1200	3.0	1.3	20			494.1	29.8	79.7	653			70.5														
12	18,081	19,281	1200	3.2	1.3	20			475.2	29.8	78.6	643			67.9														
13	14,882	16,082	1200	3.2	1.3	20			455.0	29.8	78.6	643			65.0														
14	15,200	18,300	1200	3.0	1.3	20			457.1	29.8	78.6	643			62.4														
15	14,600	17,525	1200	3.0	1.3	20			428.0	29.8	79.7	653			61.1														
16	16,550	19,850	1200	3.2	1.3	20			476.6	29.8	78.6	643			68.0														
17	14,000	16,800	1200	3.0	1.3	20			445.4	29.8	79.6	653			63.6														
18	15,300	18,600	1200	3.2	1.3	20			493.1	29.8	79.6	653			70.4														
19	15,500	18,600	1200	3.1	1.3	20			446.4	29.8	78.6	643			63.8														
20	16,000	19,200	1200	3.2	1.3	20			460.8	29.8	78.6	643			65.8														
21	16,400	19,680	1200	3.2	1.3	20			473.1	29.8	78.6	643			67.6														
22	3850	3850	0	2.5	.4	3			138.2	7.0	82.0	66.4			19.8														3AED08
23	3900	3900	500	2.5	.4	3			96.0	7.0	80.0	64.0			13.7														3AED08
B1A	6752	6752	6752	1.8	1.5	7 1/2	460	3																					CARRIER #12 VERTICAL
B2A	6100	6100	3200	2.3	.60	7 1/2	460	3	332.1	11.5	84.4	70.8	55	54	47	10	232.4	50	80	11.6	3	2 1/2"	2"	CARRIER #12 VERTICAL					
B3A	5760	5760	1500	1.5	.25	5	460	3	373.6	9.2	84.4	70.8	55	54	45	10	134.0	50	80	6.7	2	2 1/2"	1 1/2"	CARRIER #10 HORIZONTAL					

① EXT. SP. COILS NOT INCLUDE FILTER PP
 ② MINIMUM 6 ROW COOLING COIL, 2 ROW MINIMUM HEATING COIL COOLING COIL @ 5" OD TUBE, 14 FINS/INCH (TYPICAL FOR ALL)

MARK	TYPE	CFM	TL BTUH	ENT DB	ENT WB
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CHENAU & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

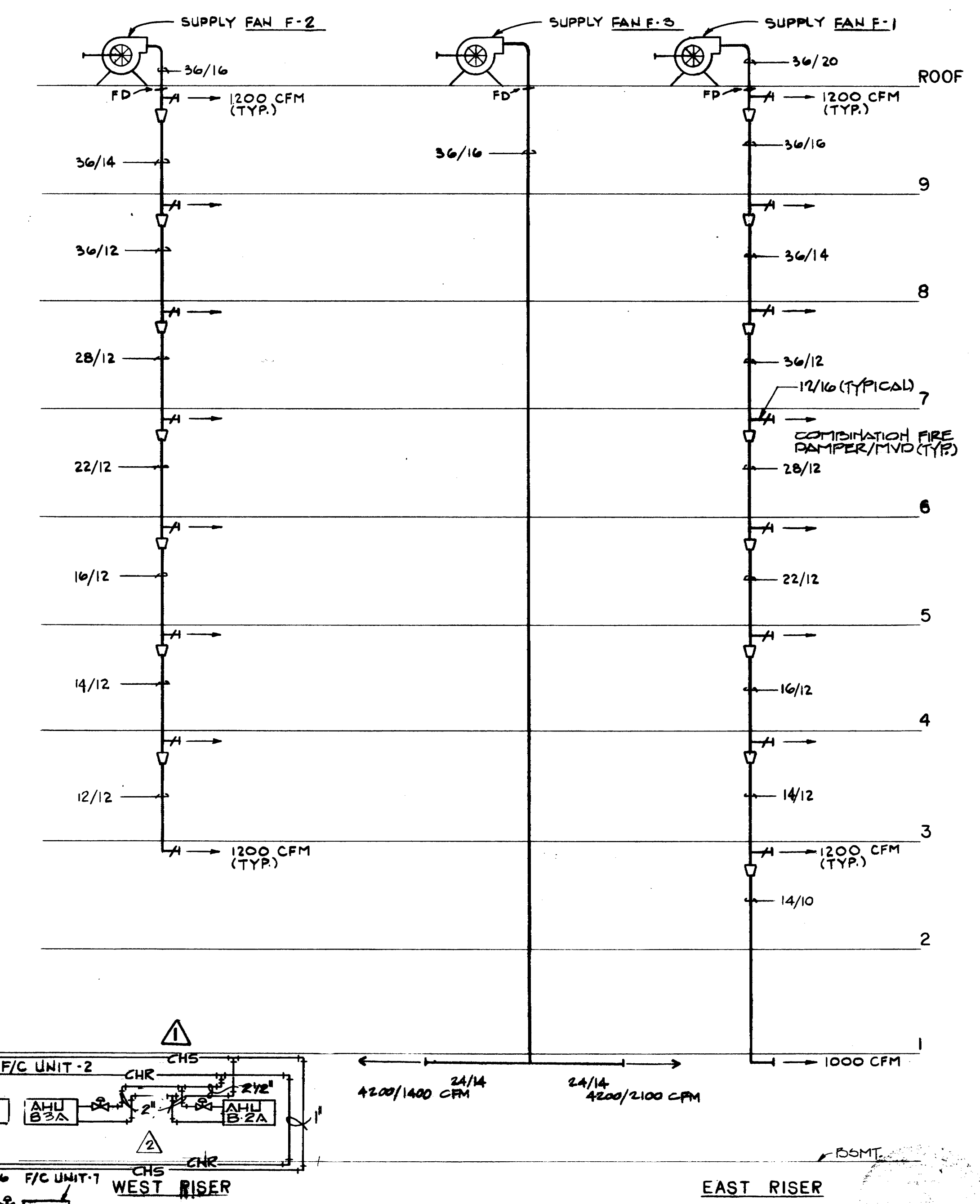
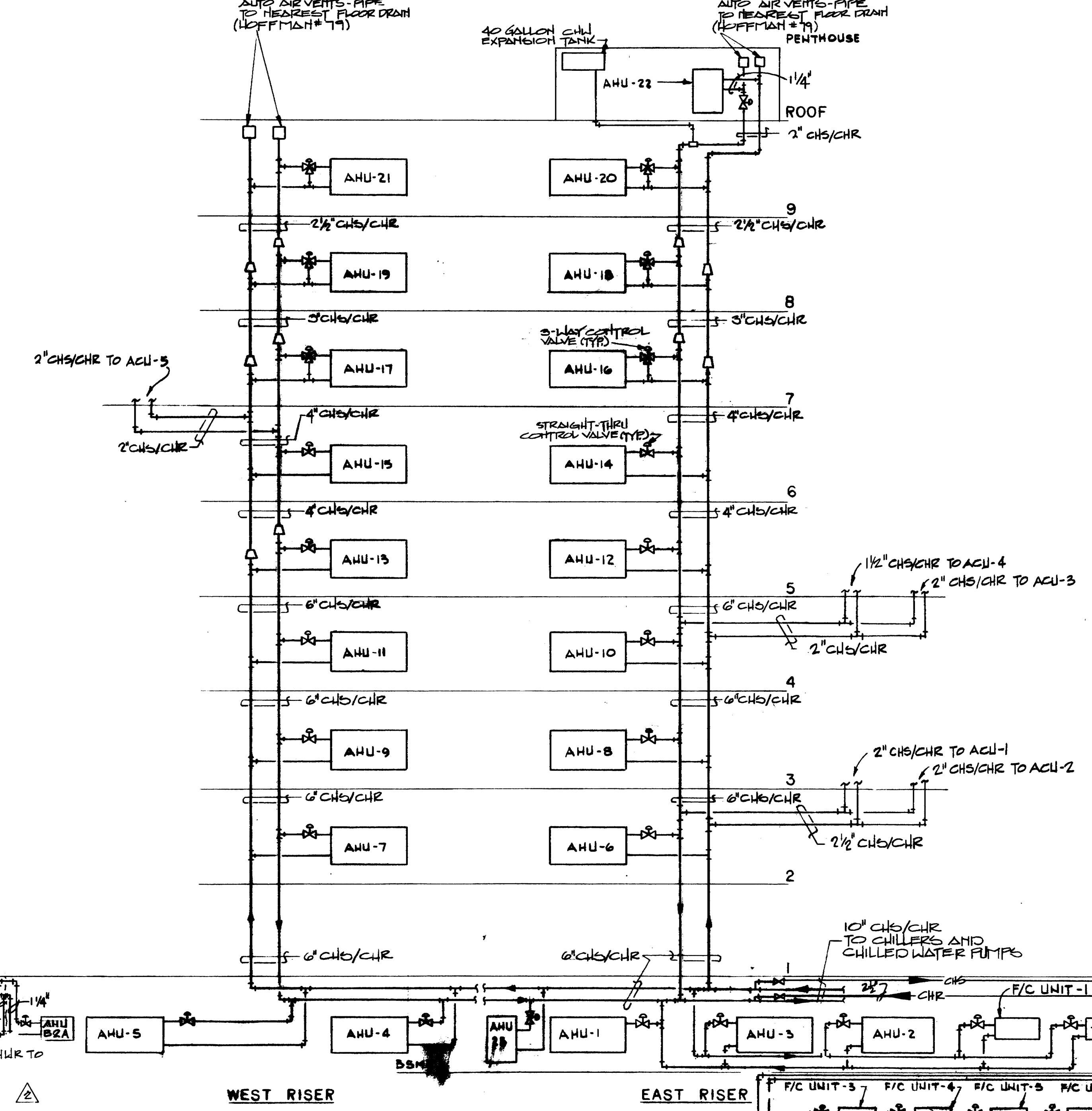
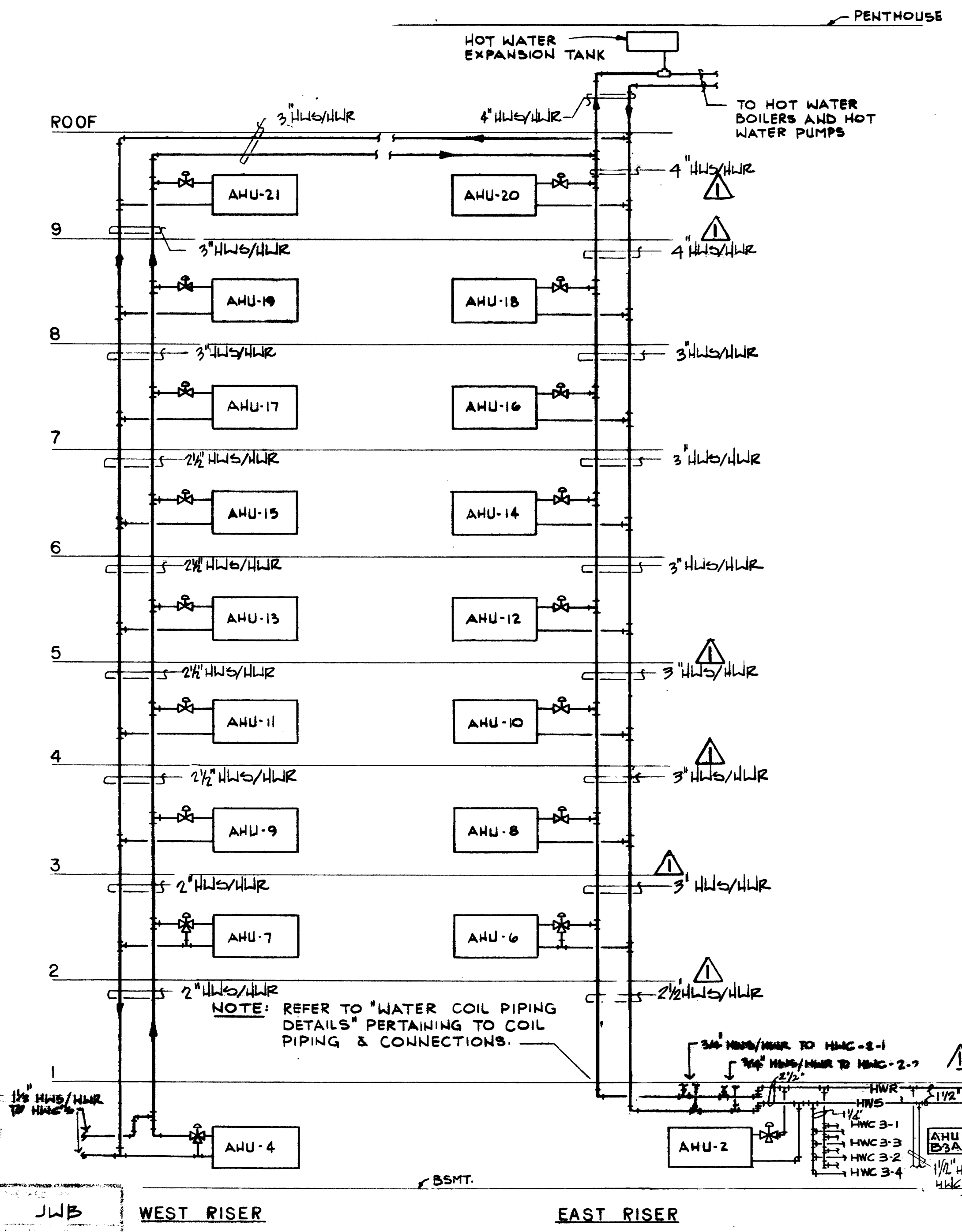
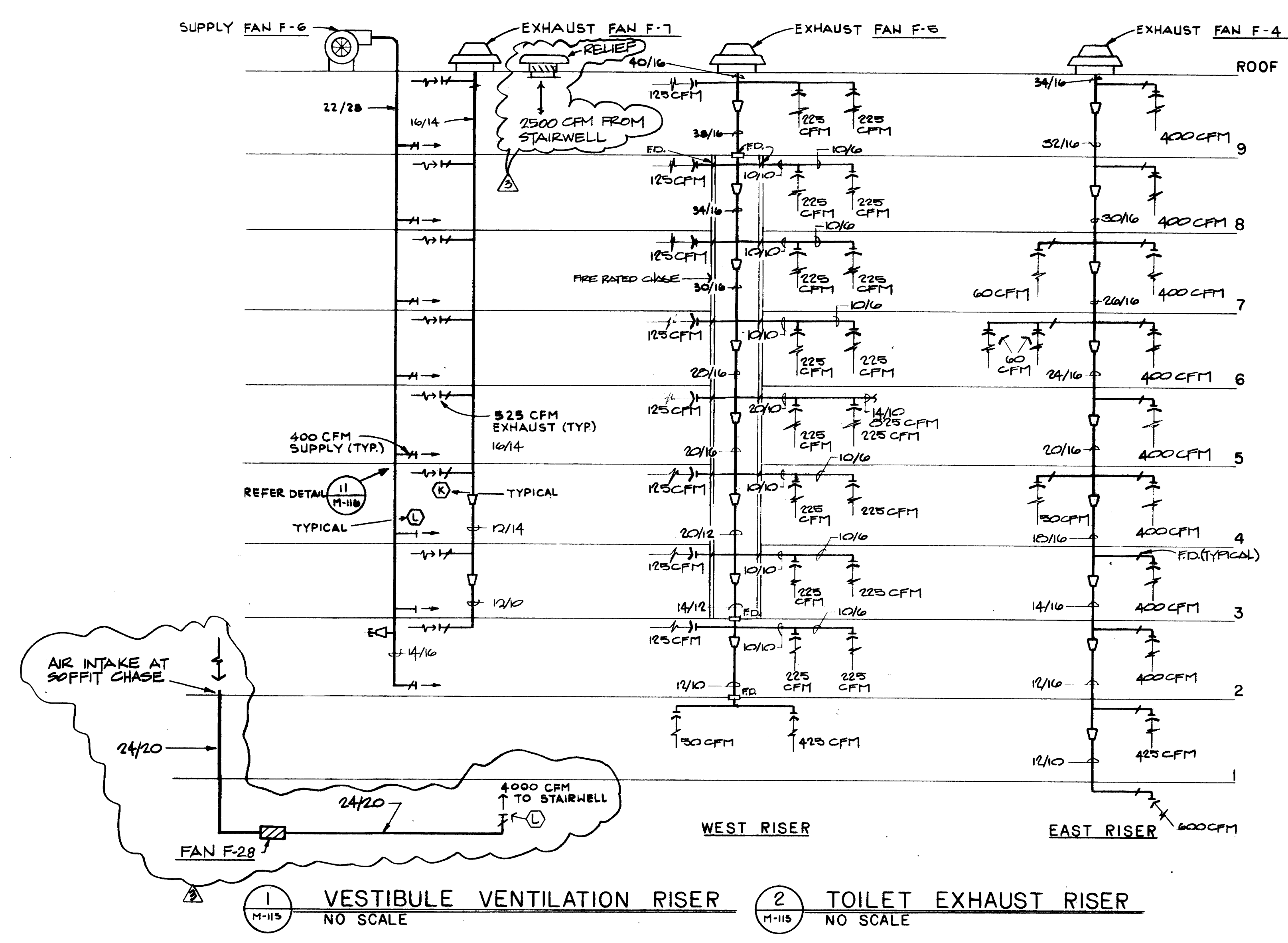
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3	8-14-77	22	22

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CHECKED BY: []
PROJECT NO. 3526
DATE 7-28-76

MECHANICAL RISERS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

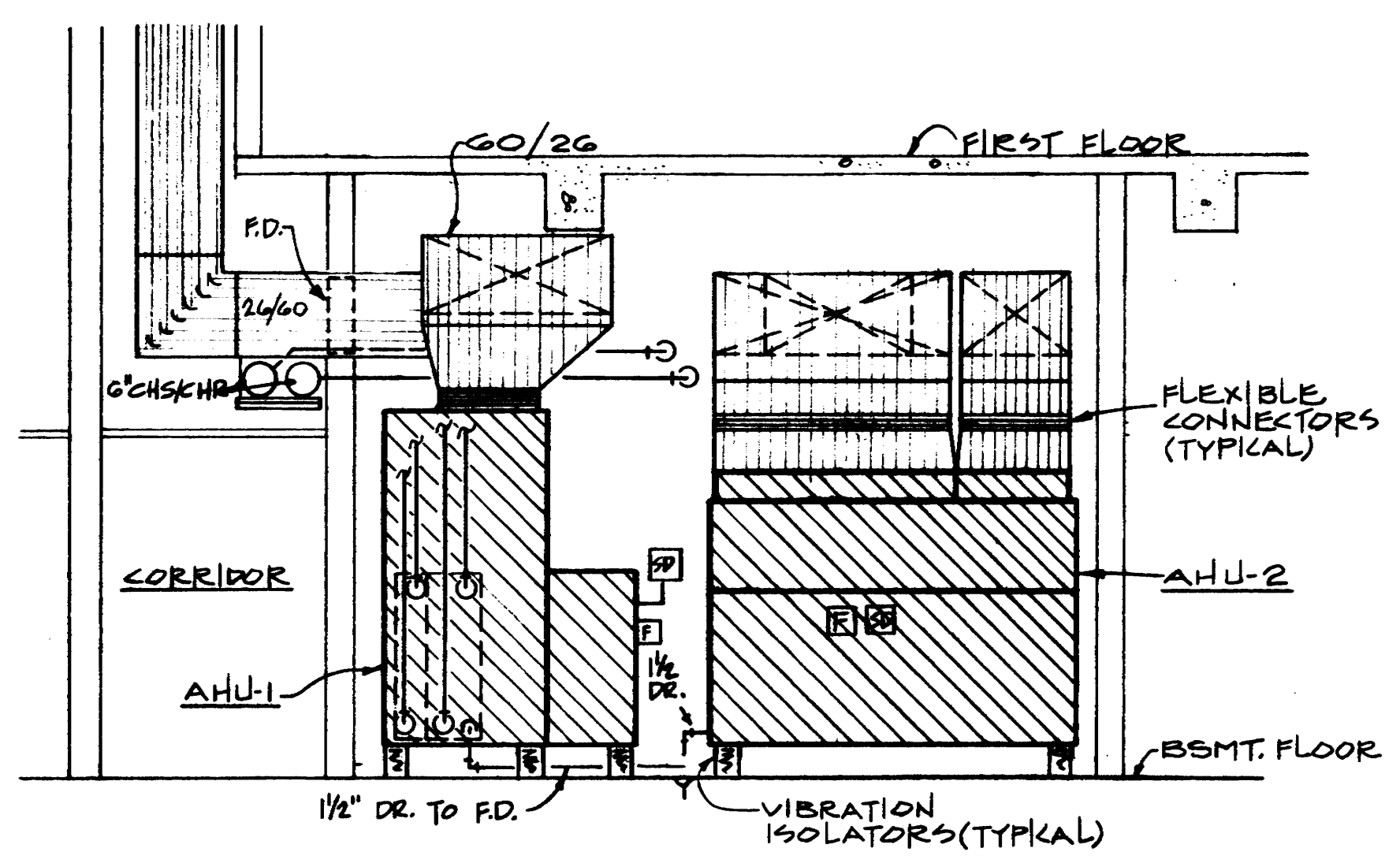
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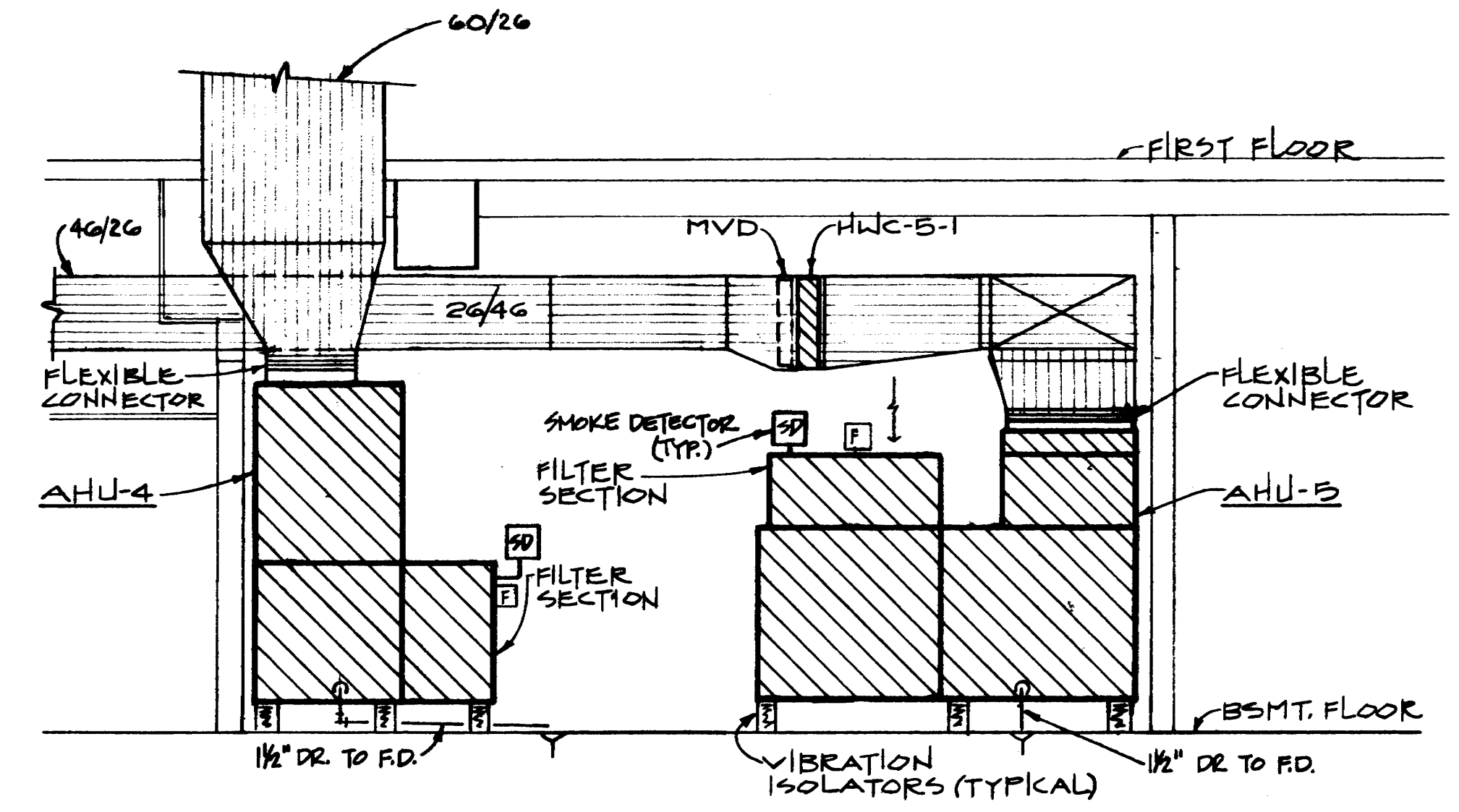
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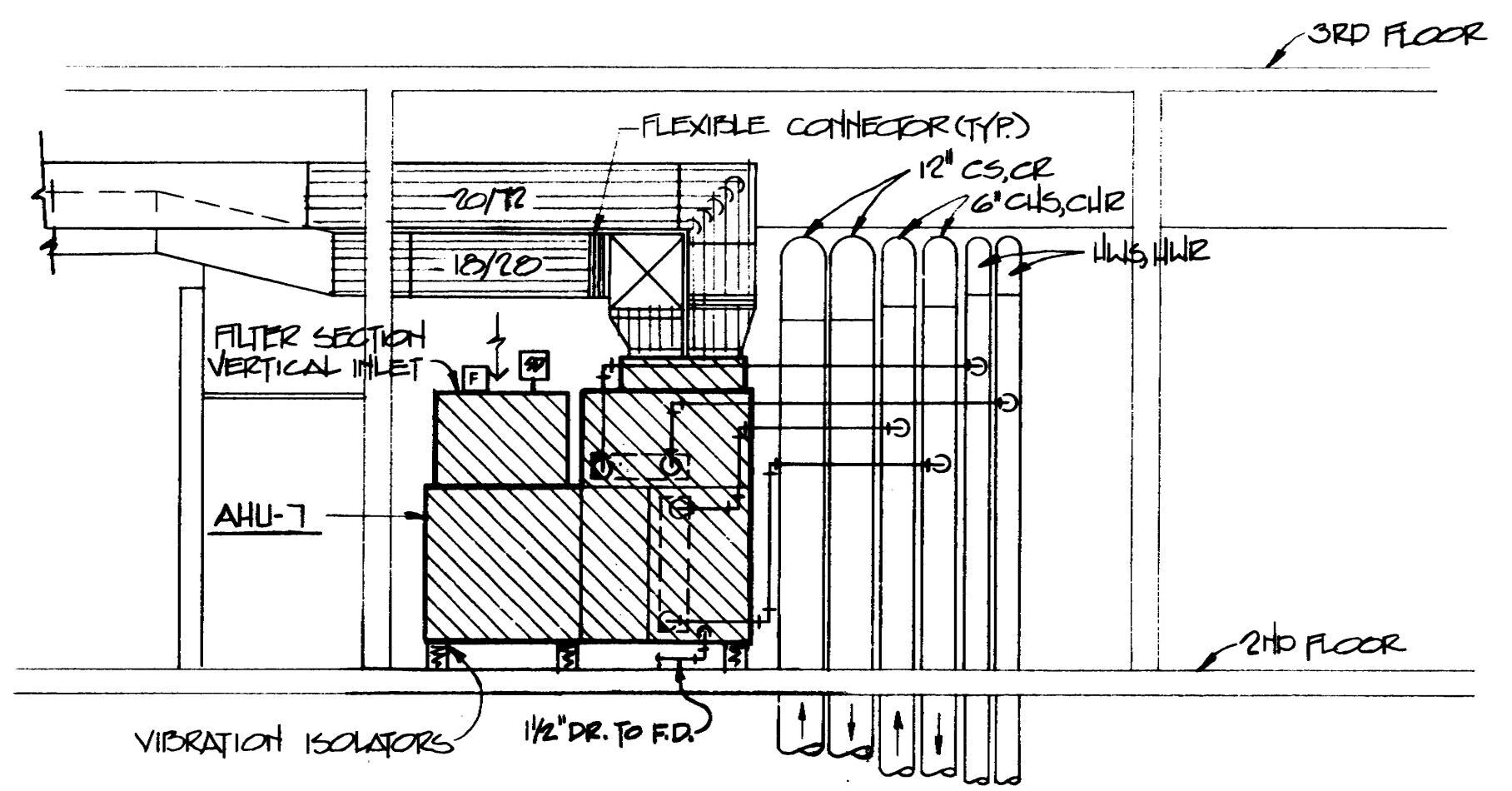
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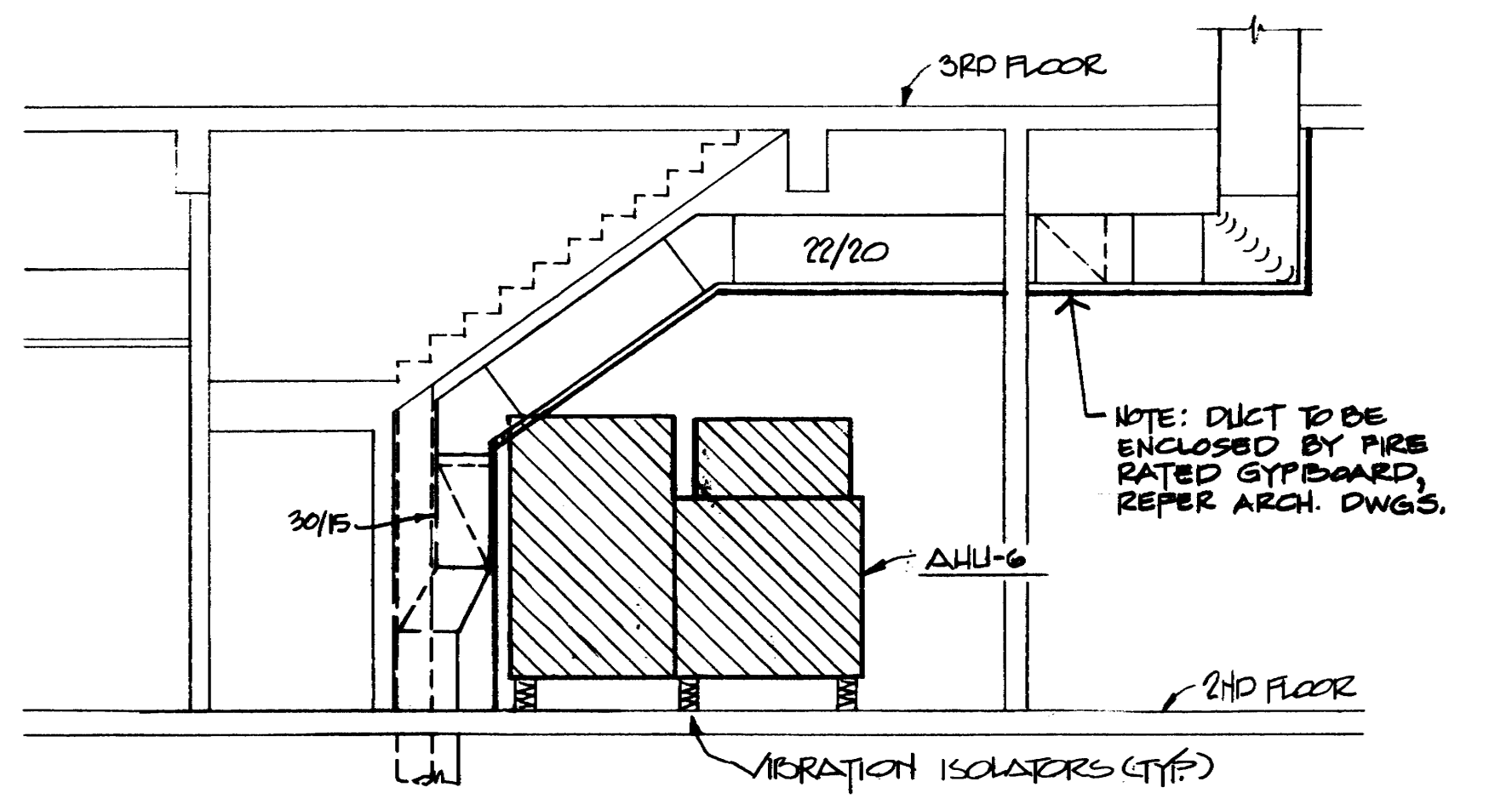
SECTION 1
SCALE: 1/4"=1'-0"



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



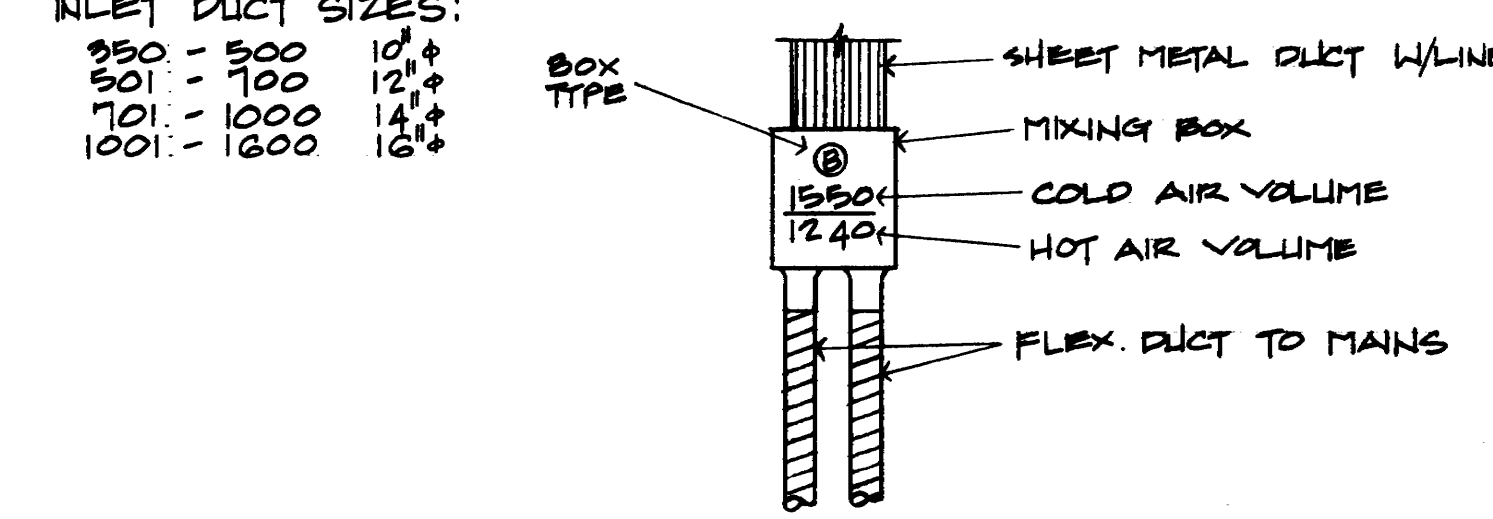
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SCALE: 1/4"=1'-0"



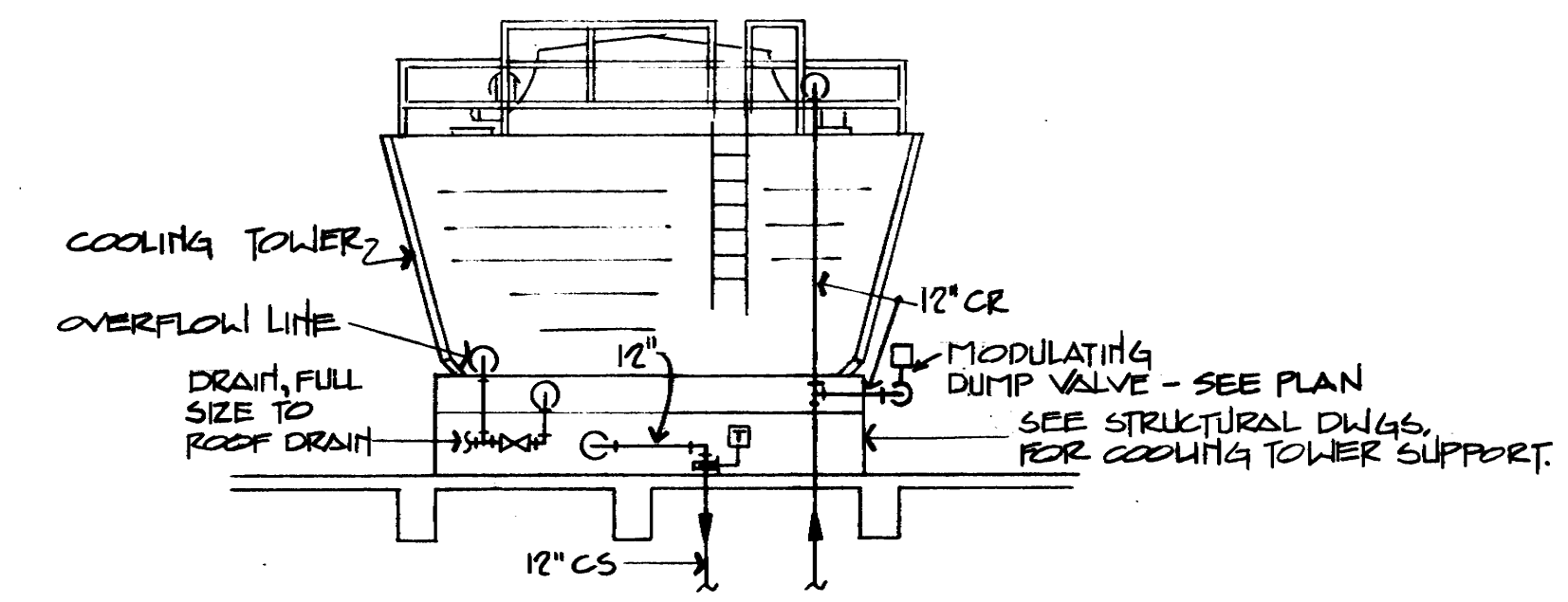
SECTION 4
SCALE: 1/4"=1'-0"

MIXING BOX SCHEDULE

MARK	CFM RANGE	MAX SP.	REMARK
(A)	500-1000	0.25	ANEMOSTAT LVE-10
(B)	1001-1600	0.25	ANEMOSTAT LVE-12



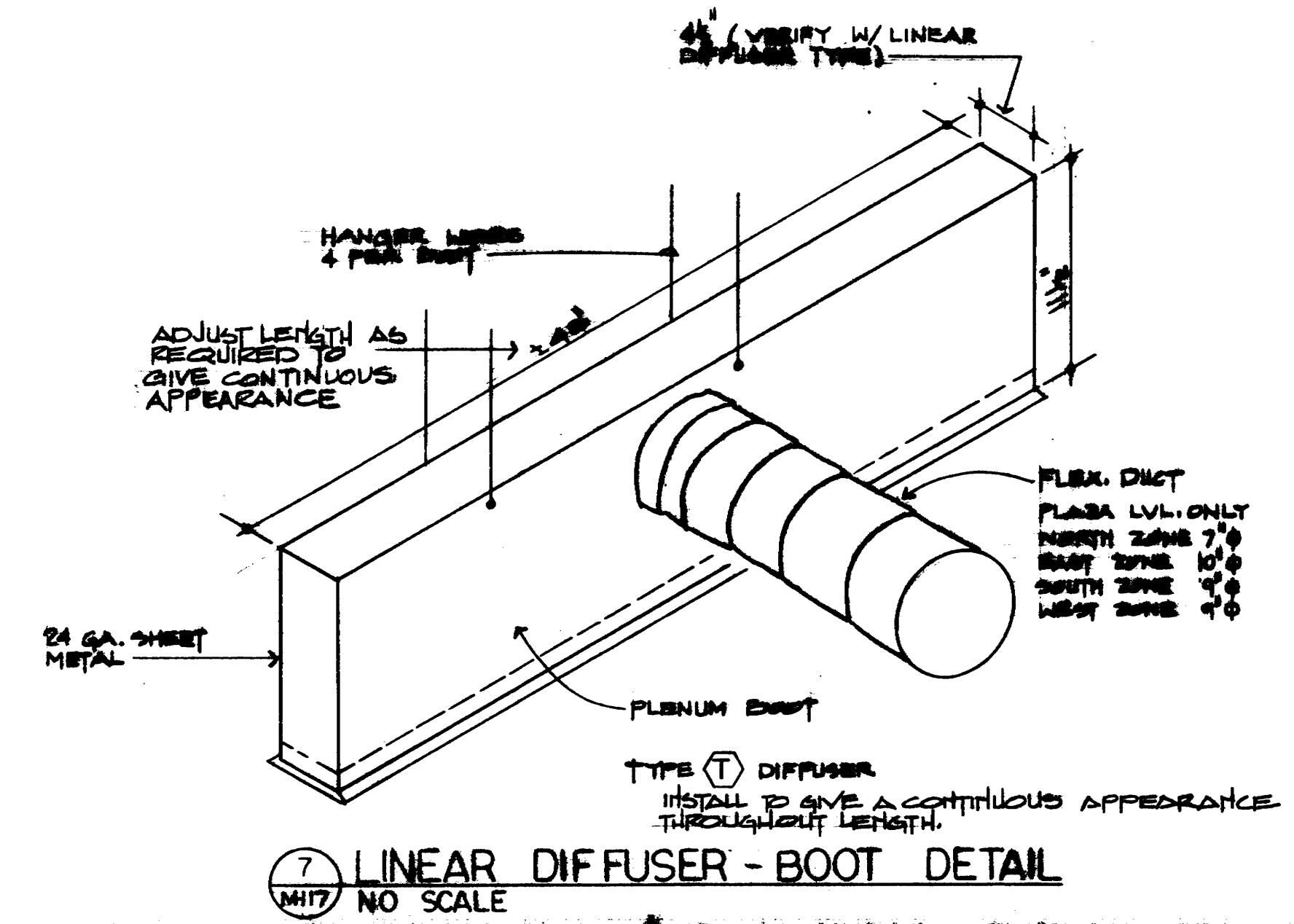
MIXING BOX DETAIL & SCHEDULE
NO SCALE



DETAIL - COOLING TOWER
NO SCALE

COLD AIR VALVE SCHEDULE (CAV)

MARK CAV	MAX. CFM	VALVE WIDTH	VALVE HEIGHT	DUCT INLET SIZE	FLR LCN.	REMARK
1	1600	18"	12"	18" φ	2	ANEMOSTAT LFL
2	1195	15"	10"	18" φ	2	
3	9225	30"	14"	16/20"	2	
4	9000	30"	14"	16/20"	2	
5	1900	24"	12"	16" φ	3	
6	1775	18"	12"	16" φ	3	
7	9215	30"	14"	16/24"	3	
8	2500	24"	12"	16/22"	3	
9	2315	24"	12"	14/22"	4	
10	1910	24"	12"	16" φ	4	
11	3780	30"	14"	16/20"	4	
12	3520	30"	14"	16/26"	4	
13	1560	18"	12"	12/19"	5	
14	2320	24"	12"	14/22"	5	
15	2320	24"	12"	14/22"	5	
16	1900	15"	10"	15" φ	5	
17	4325	36"	14"	14/30"	5	
18	1450	15"	12"	16" φ	6	
19	1340	15"	10"	15" φ	6	
20	3045	30"	12"	16/24"	6	
21	2260	24"	12"	14/22"	6	
22	810	12"	10"	14" φ	6	
23	400	6"	8"	10" φ	6	
24	3255	30"	14"	14/24"	7	
25	1620	18"	12"	16" φ	7	
26	2360	24"	12"	12/26"	7	
27	1940	24"	12"	12/22"	7	
28	950	12"	10"	14" φ	7	
29	200	8"	6"	8/6	BSMT.	
30	1480	15"	12"	16" φ	5	
31	1080	12"	10"	14" φ	5	



LINEAR DIFFUSER - BOOT DETAIL
NO SCALE

ELECTRIC DUCT HEATER SCHEDULE

MARK	CFM	KW	ENT. AIR	LVG. AIR	REMARKS
EDH-1	570	10	55°	110°	INDIRECT TYPE QUA. 21TV-14, OPTION C, 2 STAGES
EDH-2	800	10	55°	91°	
EDH-3	760	10	55°	96°	
EDH-4	570	10	55°	110°	
EDH-5	400	3	60°	83.6°	

① PROVIDE TERMINAL BOX FOR LINED DUCT.
② PROVIDE AIRFLOW SWITCH, 21TV, EP RELAY, & MAGNETIC CONTACTOR.

MARK	CFM	W	H	D	W	H	D	REMARKS
HLK-1	5400	79.0	14x51	2	66.0	93.5	7.8	1" BOOTH TYPE "L"
HLK-2	11,250	16.75	21x72	2	68.4	76.4	4.9	3/4"
HLK-3	3385	5.18	15x26	2	67.0	29.7	4.0	3/4"
HLK-3	3250	5.18	15x26	2	67.0	29.5	3.9	3/4"
HLK-3	2335	3.59	12x27	2	67.0	29.6	2.8	3/4"
HLK-3	2080	4.78	12x26	2	67.0	29.8	3.5	3/4"
HLK-5	14,740	21.25	20x96	2	66.0	76.8	7.8	1"
HLK-5	6,250	9.56	16x34	2	68.4	21.0	4.9	3/4"
HLK-8	6,752	12.3	38x54	2	35	66	11.0	1 1/2" BUFFALO AEROFIN CH

JWB,
RL,
MB, KP,
7-24-75

FOR CONTINUATION OF THIS SCHEDULE SEE M14

KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODWAY, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAU & BRADY CONSULTING ENGINEERS

HARRIS COUNTY
ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

1	1/20/75	SCHEMATIC REVIS.
2	10-4-76	
3	1-26-77	SCHEMATIC REVIS.
4	3-5-77	SCHEMATIC REVIS.

DRAWN BY
CHECKED BY
PROJECT NO. 3506
DATE 7-28-75

MECHANICAL SECTIONS & DETAILS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

M
117



KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
 ADMINISTRATION BUILDING**
 HOUSTON TEXAS

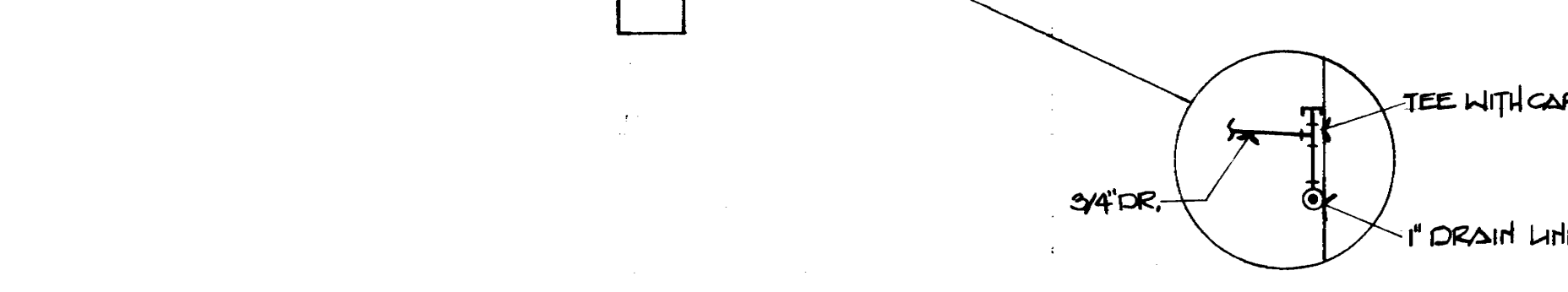
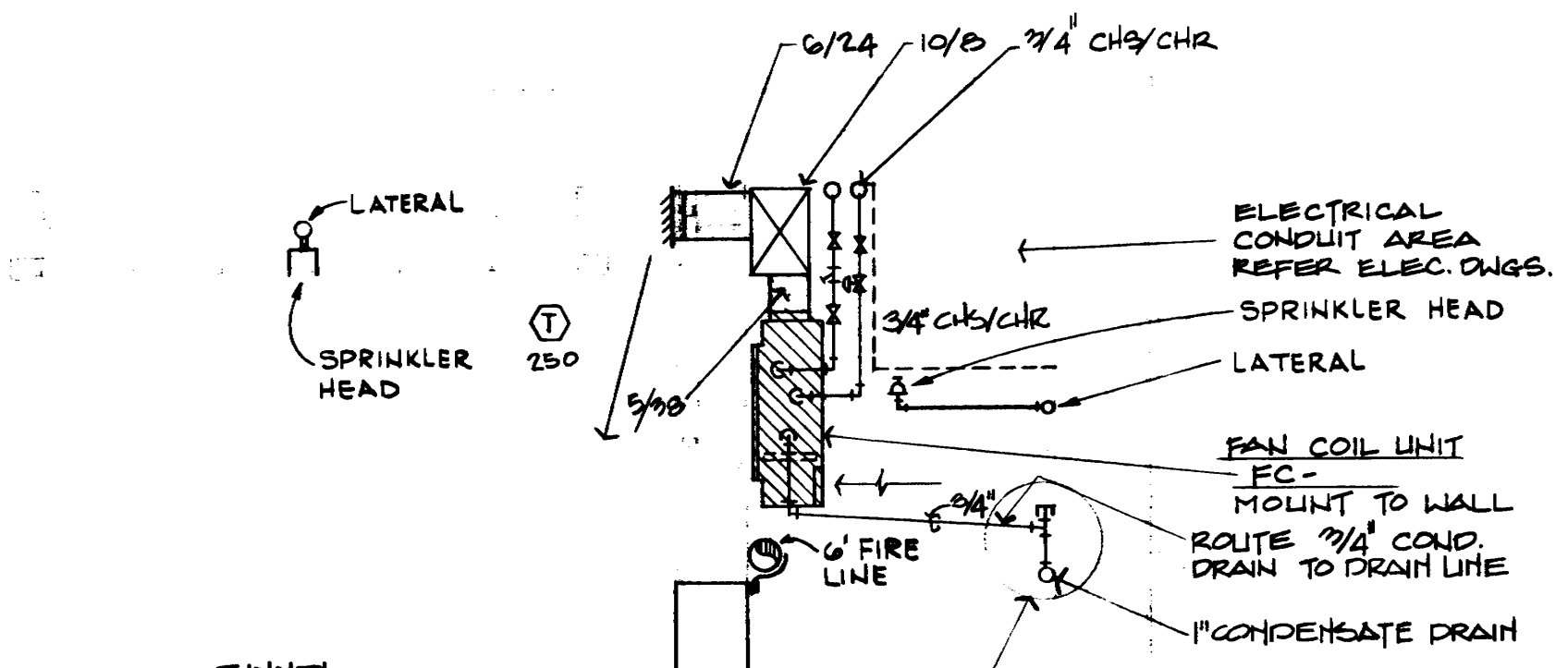
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 CHECKED BY _____
 PROJECT NO. 3522
 DATE 7-28-75

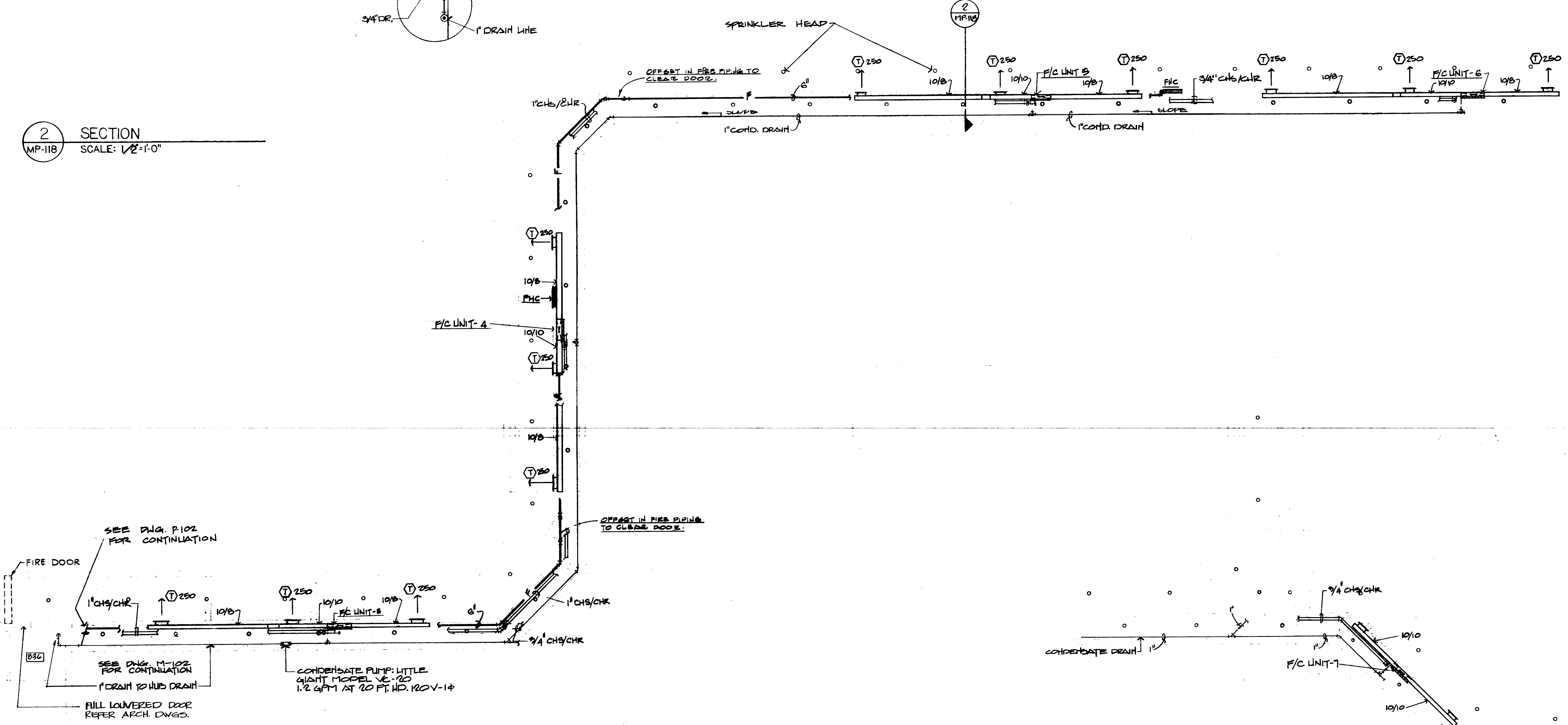
MECHANICAL &
 PLUMBING
 TUNNEL PLAN

CONTRACTOR SHALL
 VERIFY ALL DIMENSIONS
 AT JOB SITE AND BE
 RESPONSIBLE FOR SAME

MP
 118



2 SECTION
 MP-118 SCALE: 1/2"=1'-0"

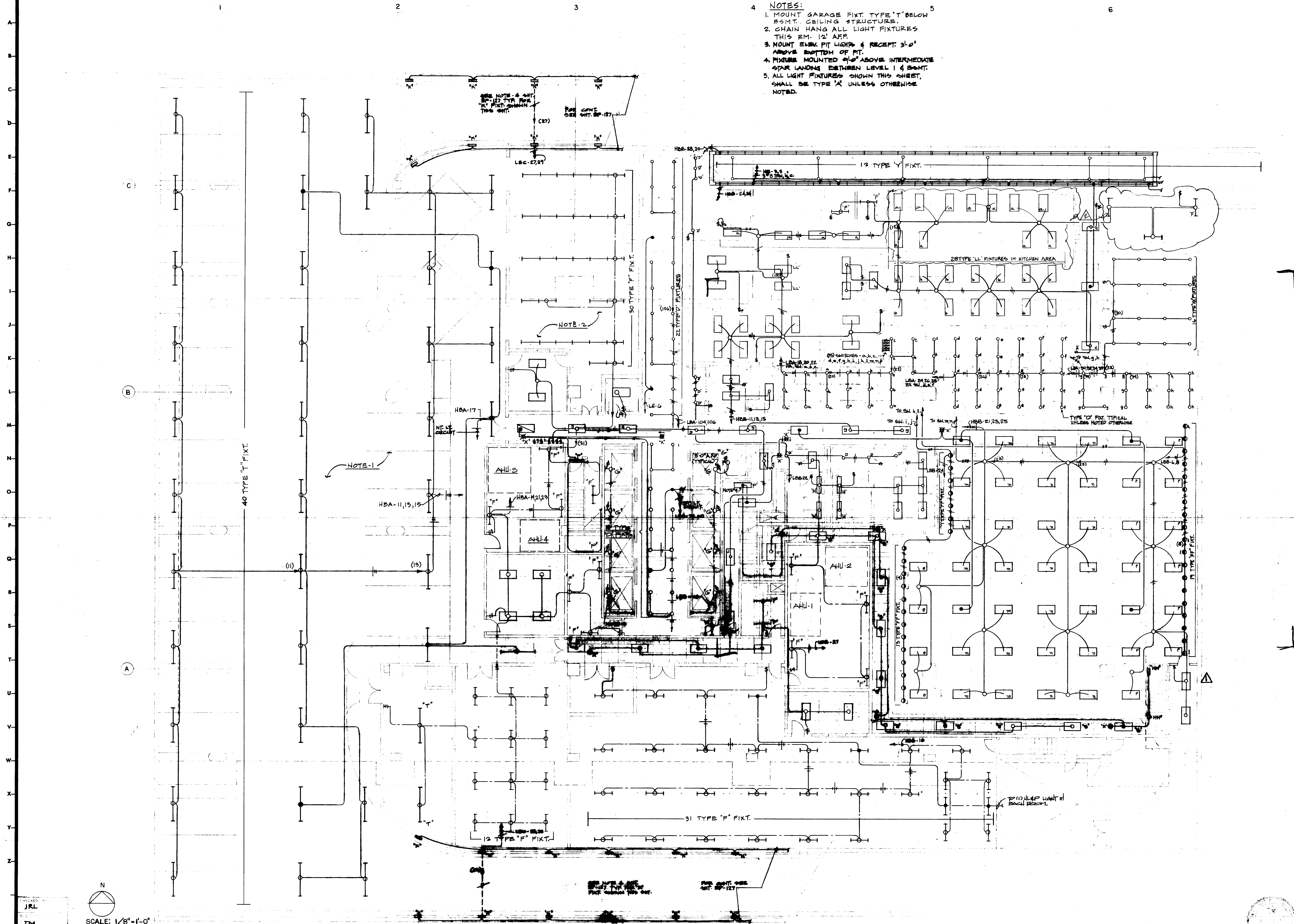


SCALE: 1"=10'-0"

SCALE: 1"=10'-0"

1 PARTIAL FLOOR PLAN - ALTERNATE NO
 MP-118

JWB
 RL
 MD
 7-24-75



- 4 NOTES:
1. MOUNT GARAGE FIXT. TYPE 'T' BELOW BSMT. CEILING STRUCTURE.
 2. CHAIN HANG ALL LIGHT FIXTURES THIS RM. 12' AFF.
 3. MOUNT ELEV. PIT LIGHTS & RECEPT 3'-0" ABOVE BOTTOM OF PIT.
 4. FIXTURE MOUNTED @ 10' ABOVE INTERMEDIATE STAIR LANDING BETWEEN LEVEL 1 & BSMT.
 5. ALL LIGHT FIXTURES SHOWN THIS SHEET, SHALL BE TYPE 'X' UNLESS OTHERWISE NOTED.

KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
200 SOUTHWEST TOWER

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
2727 WESLAVAN

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

REVISIONS

1	1-9-77	REVISED
2	2-17-78	REVISED

DRAWN BY _____
CHECKED BY _____
PROJECT NO. 3506
DATE 7-25-78

**ELECTRICAL
BASEMENT
FLOOR PLAN
LIGHTING**

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

SCALE: 1/8" = 1'-0"
7-24-78

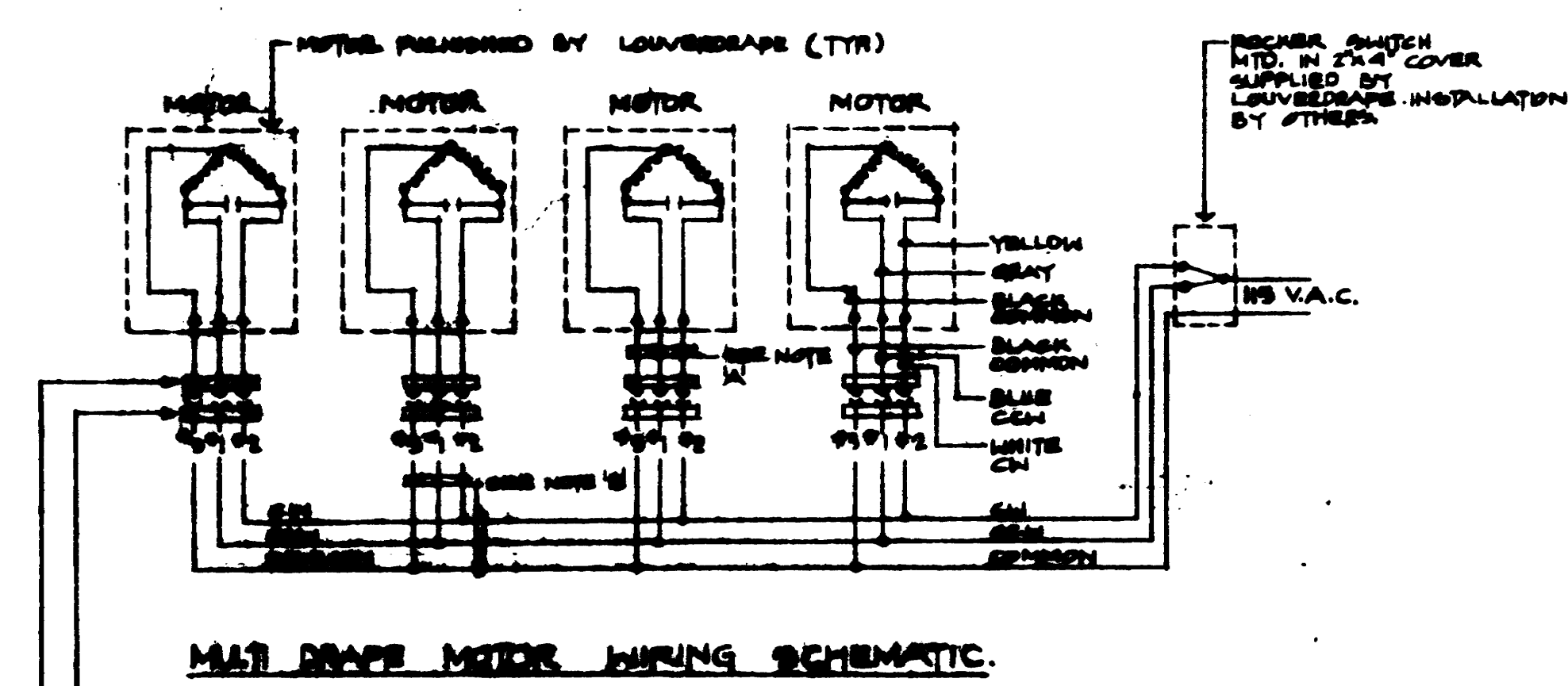
The electrical contractor shall provide and install the following electrical devices in addition to those shown on the plans.

- 110-15A, 125 volt duplex wall receptacle outlets.
- 66-15A, 125 volt duplex knob receptacle outlets.
- 62-telephone wall outlets.
- 22-telephone floor outlets.

The exact location of devices listed above will be shown at a later date. Typically, all wall receptacles in Item 1 above, shall be circuited to L.V. panels via conduit grid system shown on plans. Floor outlets shall be wired as shown in Detail 1-R109, this sheet.

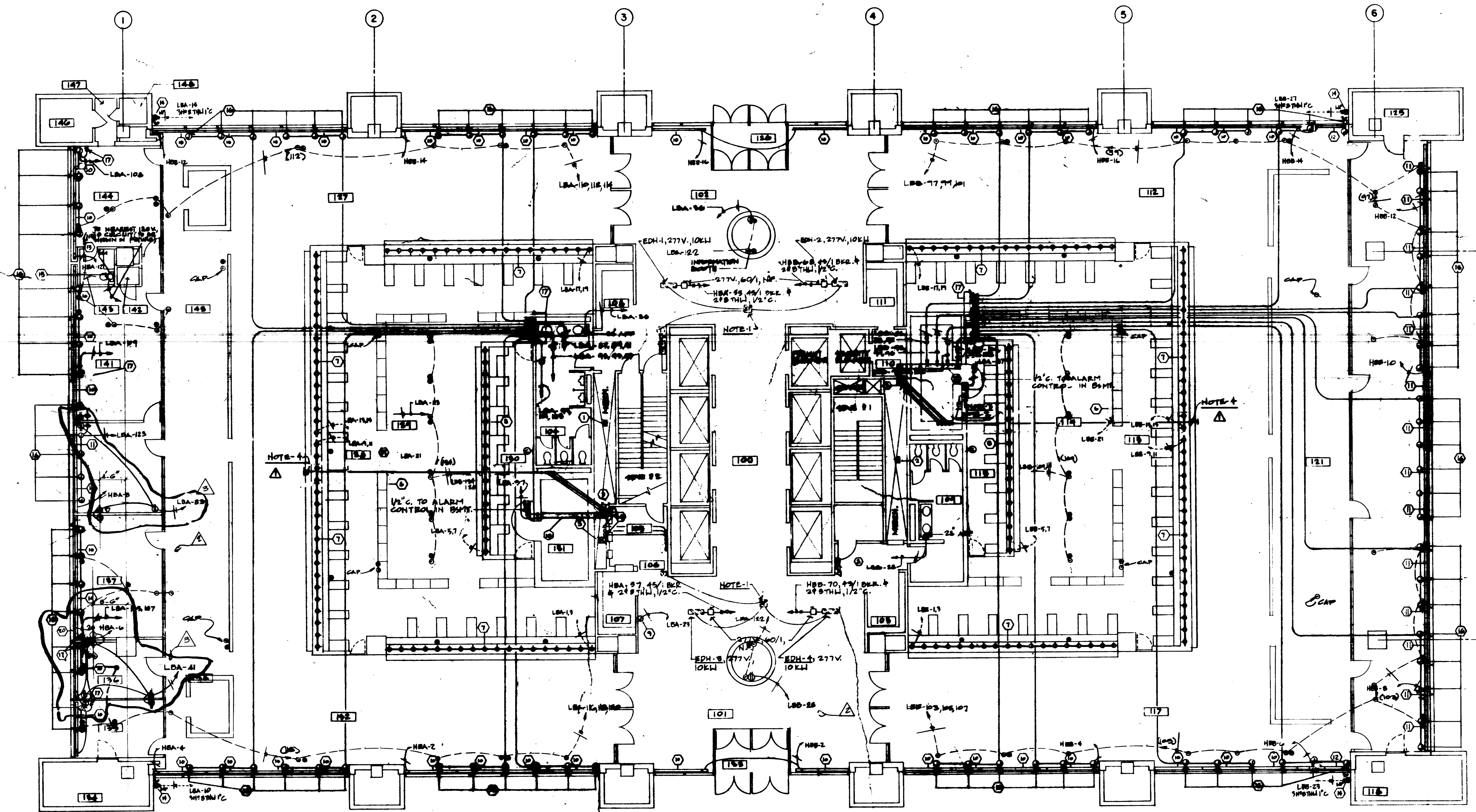
MK	DESCRIPTION	VOLT	LOAD	REMARKS
1	BUS 'A'			
2	BUS 'B'			
3	1-4" FOR TELEPHONE RISER			
4	2-2" FOR ELEVATOR RISER			
5	COMPUTER CHASE			SEE PLAN IN CONC. ONLY
6	XEROX CO.	115V, 14	1.4 KW	
7	PLUGMOLD	120V, 14	SEE PLS. 14-16	
8	PLUGMOLD	120V, 14	SEE PLS. 14-16	
9	PLUGMOLD	120V, 14	1.0 KW	
10	ELECTRIC CONVEYOR 'A'	277V, 14	.8 KW	
11	ELECTRIC CONVEYOR 'B'	277V, 14	.7 KW	
12	ELECTRIC CONVEYOR 'C'	277V, 14	.8 KW	
13	ELECTRIC CONVEYOR 'D'	277V, 14	.7 KW	
14	INC. FOR C.T. R-98B			
15	PAN F-14	120V, 14	1.25 KW	
16	2-1/4" HAND-BOX	120V, 14		SEE REMARKS
17	DRAPES CONTROLS			SEE REMARKS
18	2-1/2" TEL. CABLE TRAY			SEE REMARKS
19	TRAY	120V, 14		
20	ELECTRIC CONVEYOR 'E'	277V, 14	.5 KW	

NOTE
 1. R.P. SWITCH FURNISHED BY MECH. DIVISION & INSTALLED BY ELEC.
 2. LOW VOLTAGE TRMR. - 24VAC, 60HZ., 100AMPS POWERED VIA MAIN FIRE ALARM PNL.
 3. J. BOX FOR CONN. OF ELEC. DOOR HOLDER UT. 6" A.R.P.
 4. STUB OUT 2' EMPTY CONDUIT OUT ABOVE SUSPENDED CEILING W/PULL WIRE FOR TELEPHONE CABLES.



MOTOR DRAPES WIRING SCHEMATIC.
 SPECIAL PANEL PROVIDED BY LOWVOLTAGE AND SUPPLIED BY OTHER.
 SPECIAL PANEL PROVIDED WITH MOTOR.
NOTES
 A. 3/4" CONDUIT SUPPLIED WITH MOTOR.
 B. 3/8" V.C. FURNISHED & INSTALLED BY CONTR.

* 2-1/4" HAND-BOX BY CONTRACTOR. SPECIAL DRAPES MOTOR SUPPLY BY LOWVOLTAGE. MOUNT HAND-BOX TO WALL WITH DRAPES MOTOR. COORDINATE BRAC. WORK WITH LOWVOLTAGE CO.



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

DESIGNED BY
 L.J.L.
 DRAWN BY
 M.J.
 DATE
 7-28-73

KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 WALTER R. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAU & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON TEXAS

REVISIONS
 11-22-70 G.H.P.
 A 3/27/73
 B 11-28-77 A.S.P.
 C
 D
 E
 DRAWN BY
 CHECKED BY
 PROJECT NO. 3-506
 DATE 7-18-73

ELECTRICAL PLAZA PLAN POWER

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

E 105



KENNETH BENTSEN ASSOCIATES
 200 SOUTHWEST TOWER
 HOUSTON, TEXAS 77002

BRODNAX, PHENIX ASSOCIATES
 2727 WESLAVAN
 HOUSTON, TEXAS 77027

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

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 HOUSTON TEXAS

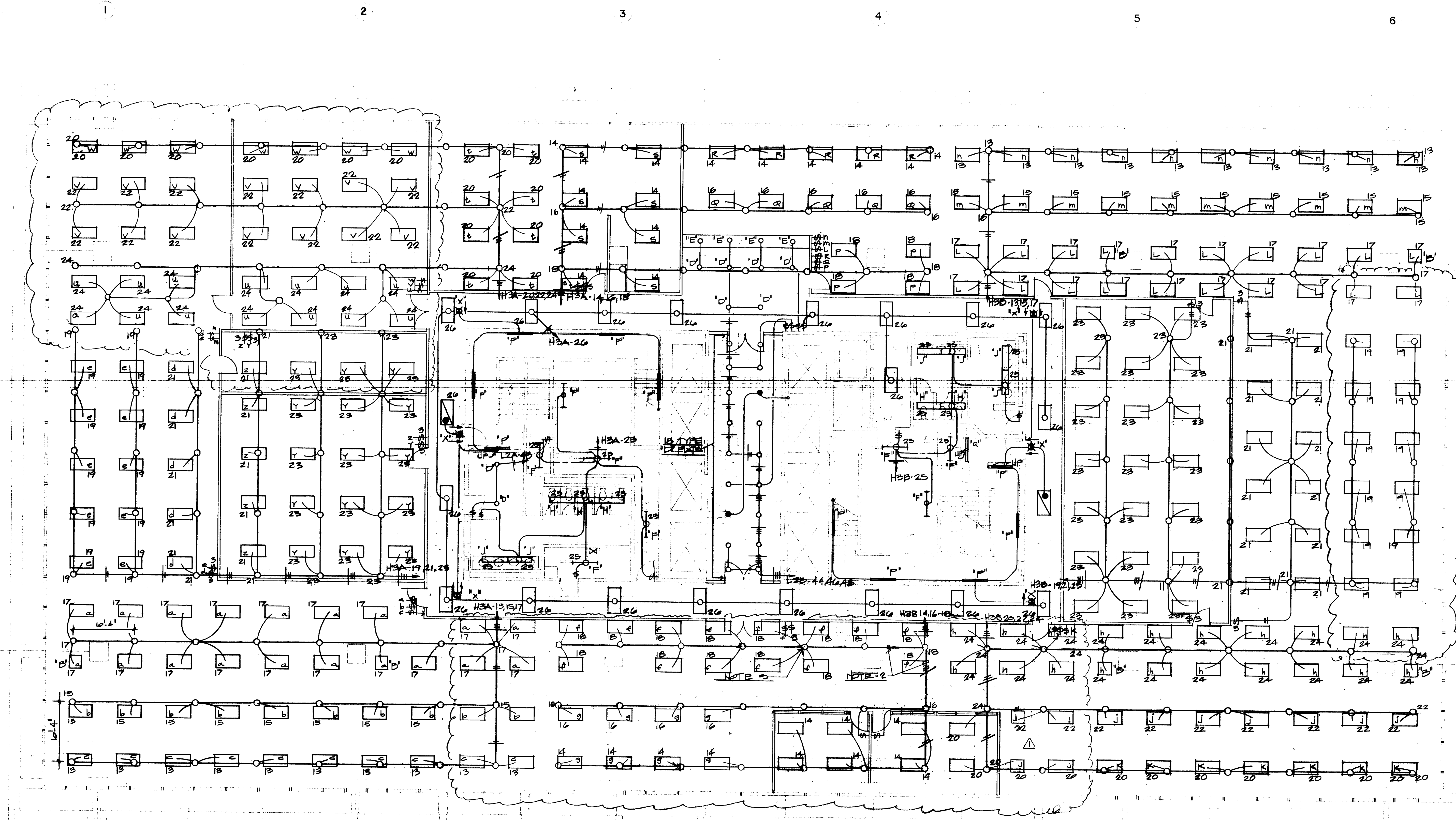
REVISIONS	
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DRAWN BY
 CHECKED BY
 PROJECT NO. 3506
 DATE 7-28-75

**ELECTRICAL
 2nd FLOOR
 PLAN
 LIGHTING**

CONTRACTOR SHALL
 VERIFY ALL DIMENSIONS
 AT JOB SITE AND BE
 RESPONSIBLE FOR SAME

106



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

NOTE
 1. ALL 2'x4' LIGHTING FIXTURES SHALL BE TYPE "A" UNLESS NOTED OTHERWISE.
 2. 1/2" C. PER 277V. GRID SYSTEM (TYP)
 3. J. BOX FOR 277V. GRID SYSTEM (TYP)

JRL
 TM
 TM
 7-24-75

The electrical contractor shall provide and install the following electrical devices in addition to those shown on the plans.

1. 133-15A, 125 volt duplex wall receptacle outlets.
2. 126-15A, 125 volt duplex floor receptacle outlets.
3. 83-telephone wall outlets.
4. 66-telephone floor outlets.

The exact location of devices listed above will be shown at a later date. Typically, all wall receptacles in Item 1 above, shall be circuited to L.V. panels via conduit grid system shown on plans. Floor outlets shall be wired as shown in Detail 1-E109, this sheet.

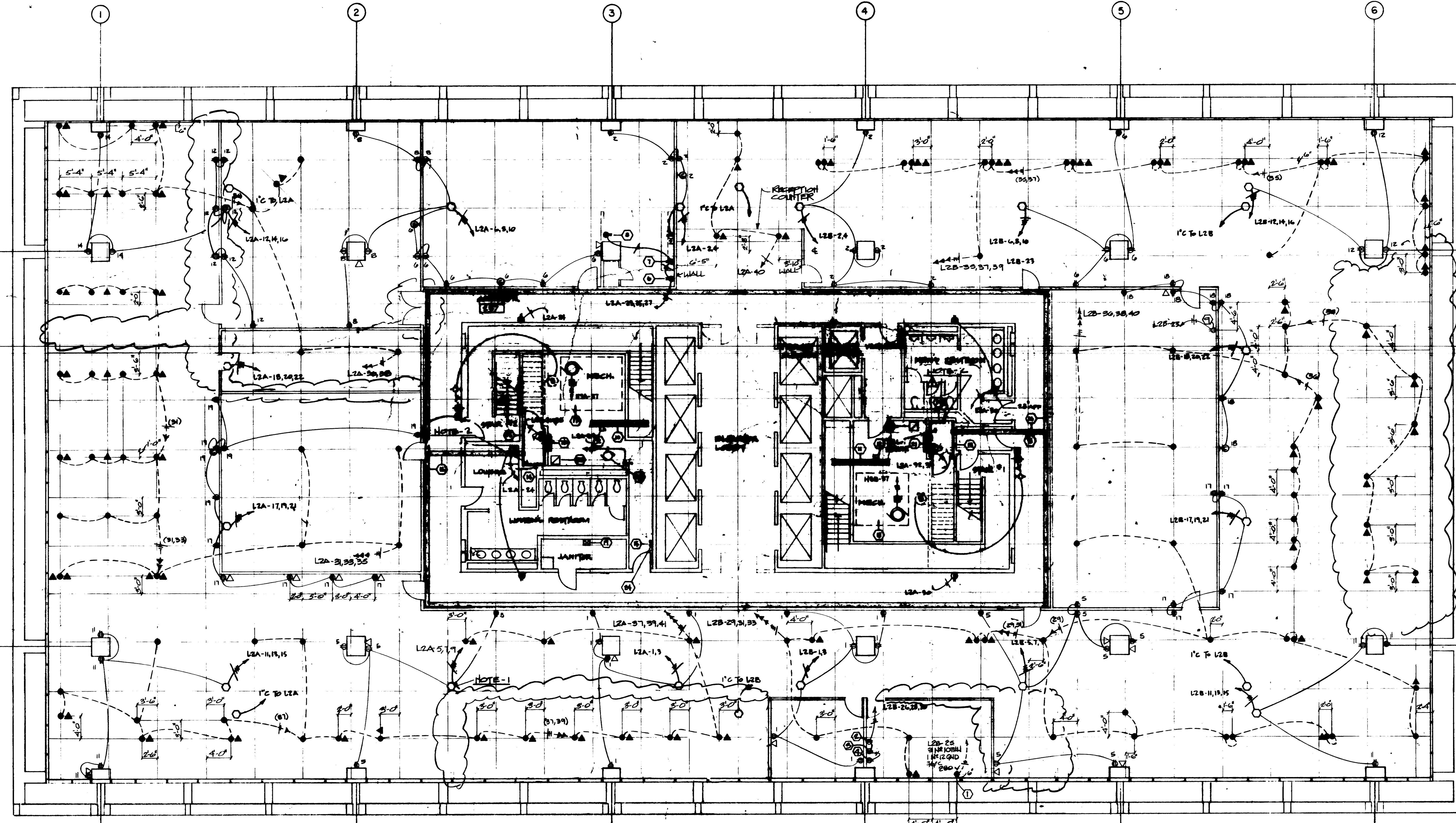
MK	DESCRIPTION	VOLT	LOAD	REMARKS
1	XEROX 7000	200, 1Ø	3.0A RM	
2	COPIER D 4000	115, 1Ø	4.0 KVA	
3	REPRODUCTION DUAL FILM READER	110, 1Ø	4 A.	
4	FILM-A RECORD READER	110, 1Ø	6 A.	
5	READER PRINTER	110, 1Ø	10 A.	
6	REFRIGERATOR	110, 1Ø	2.5 RM	
7	COFFEE MAKER	110, 1Ø	1.5 RM	
8	DRINKS	110, 1Ø	1.5 A.	
9	XEROX 600	115, 1Ø	1.6 RM	
10	BUS 'A'			
11	BUS 'B'			
12	PLUG IN SWITCH			
13	TELEPHONE TERMINAL BOARD			
14	4-ØC FOR TELEPHONE FUSE			
15	Ø-ØC FOR ELEVATOR FUSE			
16	ØØØ WIRE THROUGH ELEC. TERMINAL			
17	ØØØØØ	ØØØØØ	ØØØØØ	
18	ØØØØØ	ØØØØØ	ØØØØØ	
19	COMPUTER CHASSIS			
20	PANEL '12A'			
21	PANEL '12B'			
22	TRANSFORMER '2A'			
23	TRANSFORMER '2B'			
24	ØØØØØ FOR ØØØØØ			
25	ØØØØØ PUMP	120, 1Ø	1/2 HP	

ELECTRICAL NOTES:

1. ØØØØØ FOR ØØØØØ SYSTEM (ØØØØØ)
2. 1-2' CONDUIT DOWN TO PLAZA CEILING PLenum FOR TELEPHONE CABLE

ELECTRICAL LEGEND

- ØØØØØ DUPLEX WALL OUTLET
- ØØØØØ TELEPHONE WALL OUTLET
- ØØØØØ DUPLEX FLOOR OUTLET
- ØØØØØ TELEPHONE FLOOR OUTLET



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON, TEXAS

REVISIONS

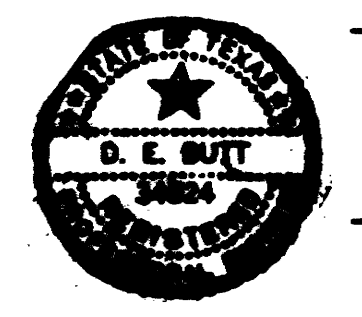
1	22-16	REVISION

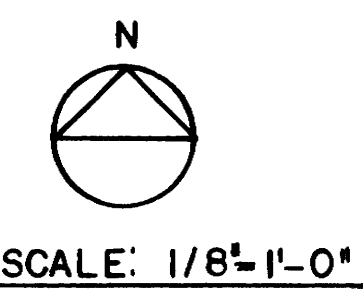
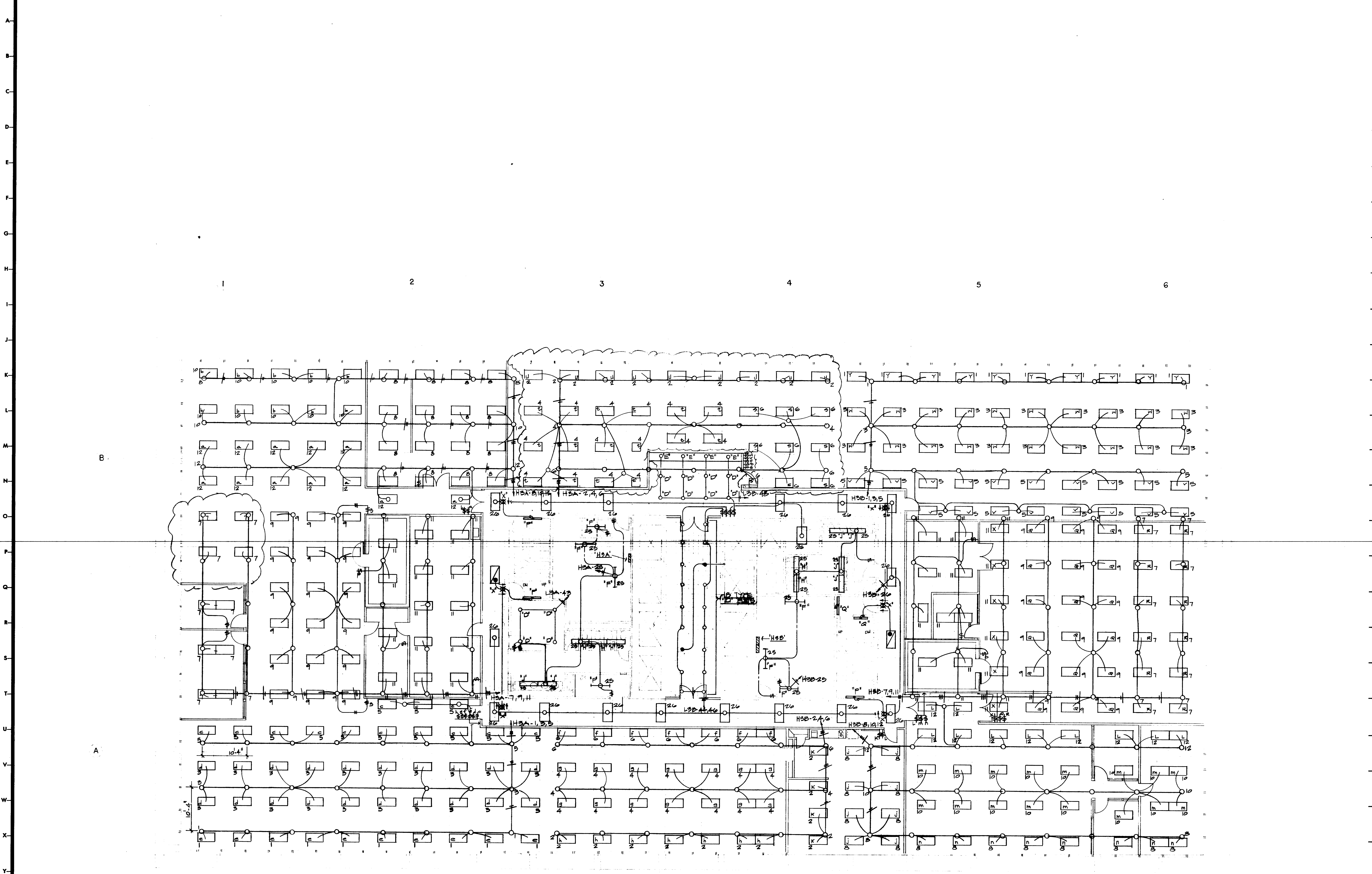
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CHECKED BY: _____
PROJECT NO. 3606
DATE 7-28-75

ELECTRICAL 2nd FLOOR PLAN - POWER

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

CHECKED BY: JRL
DESIGNED BY: MJ
DRAWN BY: MJ
DATE: 7-28-75





NOTE
 1. ALL 2'x4' LIGHTING FIXTURES SHALL BE TYPE 'A' UNLESS NOTED OTHERWISE.

JRL
 TM
 TX
 7-24-75



KENNETH BENTSEN ASSOCIATES
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BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

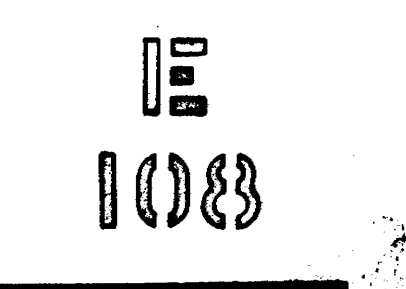
HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON TEXAS

REVISIONS	
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DRAWN BY
 CHECKED BY
 PROJECT NO. 3506
 DATE 7-24-75

ELECTRICAL
 3rd FLOOR
 PLAN
 LIGHTING

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



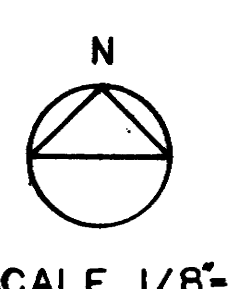
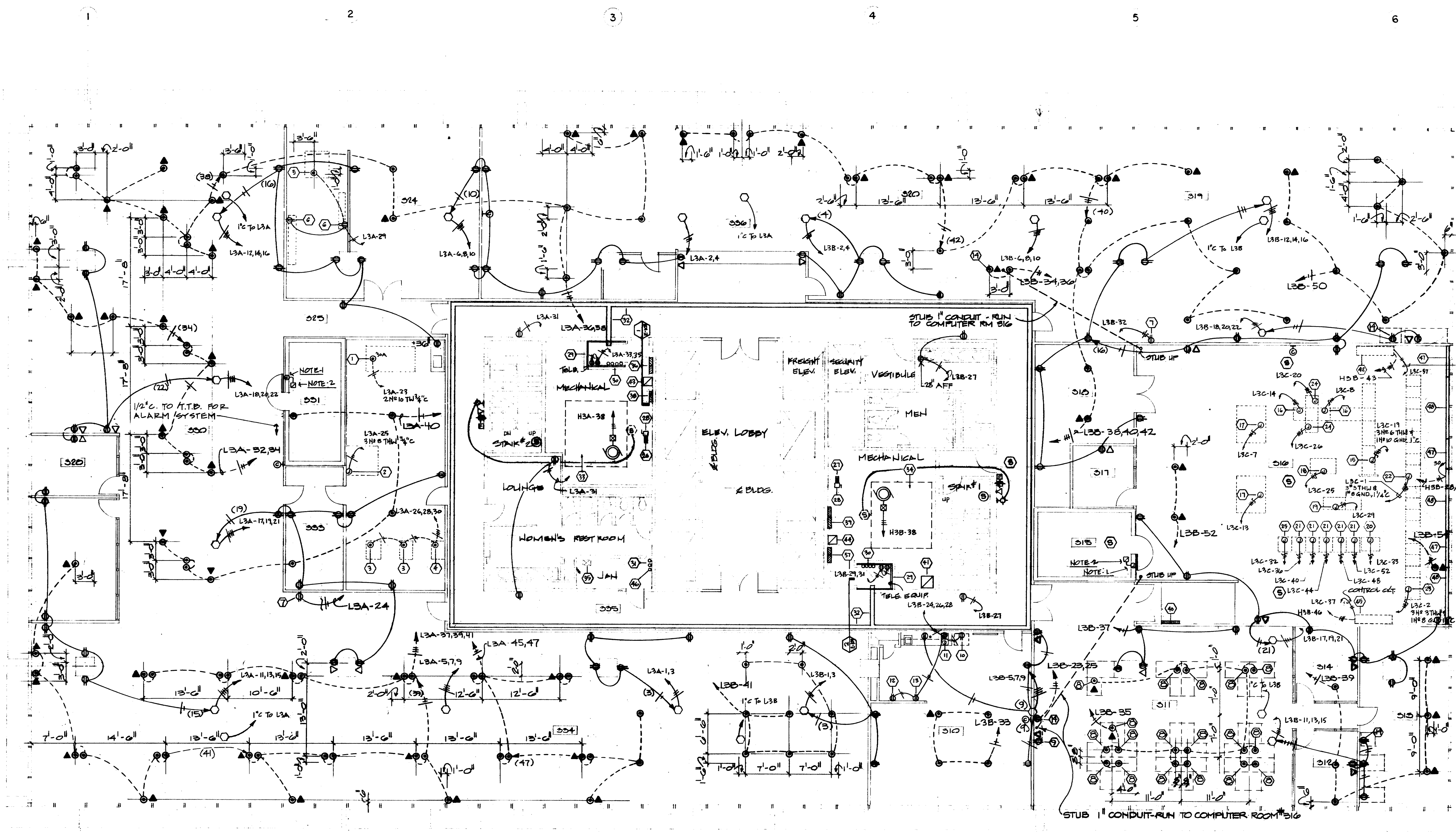
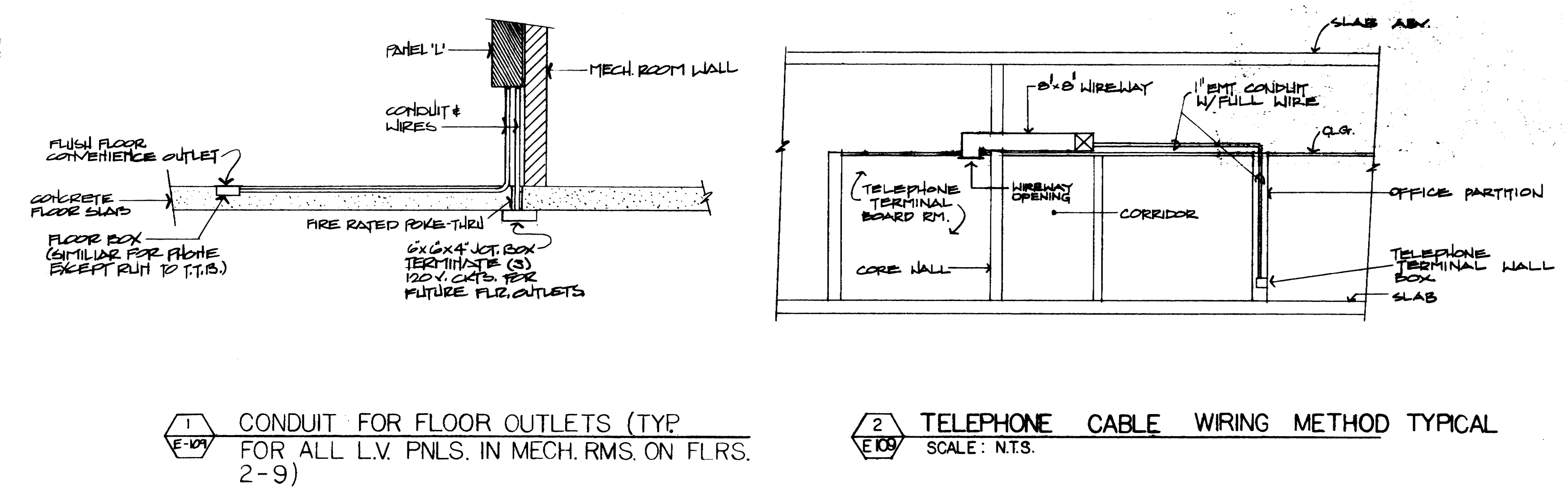
ELECTRICAL DEVICE ALLOWANCES - 3rd FLOOR

The electrical contractor shall provide and install the following electrical devices in addition to those shown on the plans.

- 164-15A, 125 volt duplex wall receptacle outlets.
- 144-15A, 125 volt duplex floor receptacle outlets.
- 66-telephone wall outlets.
- 84-telephone floor outlets.

The exact location of devices listed above will be shown at a later date. Typically, all wall receptacles in Item 1 above, shall be circuited to L.V. panels via conduit grid system shown on plans. Floor outlets shall be wired as shown in Detail 1-E109, this sheet.

1	PROCESSOR	120, 14	18 A.	26	BUS "A"		
2	PAPER CUTTER	208, 34	5 HP	27	BUS "B"		
3	OFF-SET MACHINE	120, 14	1.5 KW	28	PLUG-IN SWITCH		
4	DUPLICATOR	120, 14	1.5 KW	29	TELEPHONE TERMINAL BOARD		
5	FOLDER	110, 14	7/8 HP	30	4-4" C FOR TELEPHONE RISER		
6	P.B. STAMP MACHINE	110, 14	7/8 HP	31	2-2" C FOR ELEVATOR RISER		
7	XEROX 460	115, 14	1.4 KW	32	6"x8" WIRE TROUGH FOR TEL		
8	INFO-REX 2901	110, 14	1 KW	33	AHU "A"	460, 34	20 HP
9	INFO-REX CONTROL UNIT	110, 14	1 KW	34	AHU "B"	460, 34	20 HP
10	REFRIGERATOR	120, 14	1.65 KW	35	COMPUTER CHARGE		
11	COFFEE MAKER	120, 14	1.3 KW	36	PANEL "L3A"		
12	CANDY MACHINE	120, 14	5 A.	37	PANEL "L3B"		
13	DRINK MACHINE	120, 14	13 A.	38	PANEL "H3A"		
14	402 PRINTER	110, 14	3 A.	39	PANEL "H3B"		
15	POWER CONTROL CABINET	208, 34	7.9 KW	40	PANEL "L3C"		
16	STORAGE CABINET	208, 34	1.8 KW	41	TRANSFORMER "3C"		
17	OTTO PRINTER	208, 34	2.9 KW	42	ACU-1	460, 34	95 A.
18	OTTO CARD READER	208, 14	2.9 KW	43	TRANSFORMER "3A"		
19	7100 SYSTEM CONTROL	208, 14	1.6 KW	44	TRANSFORMER "3B"		
20	SOIT CONTROL	208, 14	9.0 KW	45	ACU-2	460, 34	95 A.
21	UNISERVO 16	208, 14	3.5 KW	46	1 1/2" C. FOR CT. RISER		
22	5039 DISC CONTROL	208, 34	17.1 KW	47	ELECTRIC CONVECTOR	277, 14	500W CHROMALOX TYPE ADB-05A-4025
23	FUTURE 5039 DISC CONTROL	208, 34	17.1 KW	48	" "	277, 14	1000W " " ADB-05A-8125
24	FUTURE STORAGE CABINET	208, 34	1.8 KW				
25	FUTURE UNISERVO 16	208, 14	3.5 KW				



NOTES
 1. J. BOX FOR CONN. OF ELEC. DOOR HOLDER, MT. 6" APP.
 2. L.V. TFM2 - 24 V. A.C. 60 HZ., 100 AMP. POWERED VIA MAIN FIRE ALARM CONT'L. PNL.

REMODELING LEGEND

- ⊙ FLOOR RECEPTACLE
- ⊕ WALL MOUNTED RECEPTACLE
- ▽ WALL MOUNTED TELEPHONE
- ▼ FLOOR TELEPHONE OUTLET

NOTE: OUTLETS ARE LOCATED USING AN 8"x8" GRID, SYMMETRICAL ABOUT E OF ELEVATOR LOBBY.

JRL
 MJ
 MJ
 7-24-75

KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON, TEXAS

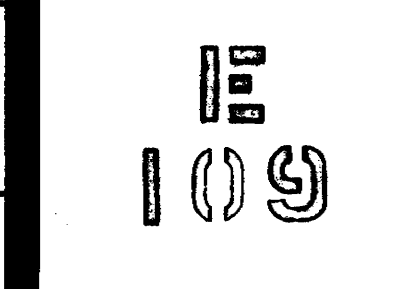
REVISIONS

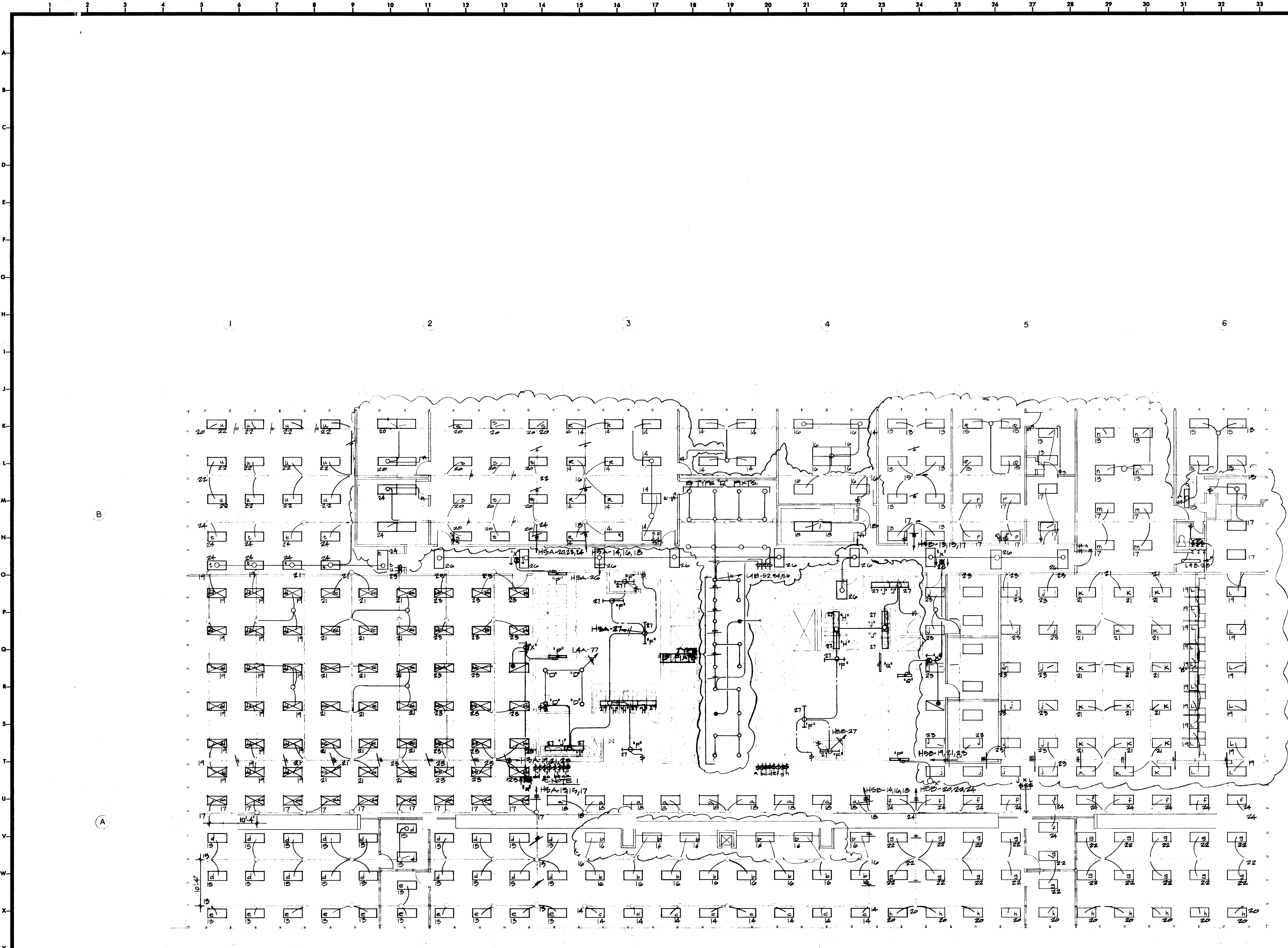
1	7/13/75
2	7/19/76
3	10.4.76
4	12-15-77 ELECT. MTRG.

DRAWN BY
 CHECKED BY
 PROJECT NO. 3526
 DATE 7-28-75


ELECTRICAL 3rd FLOOR PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

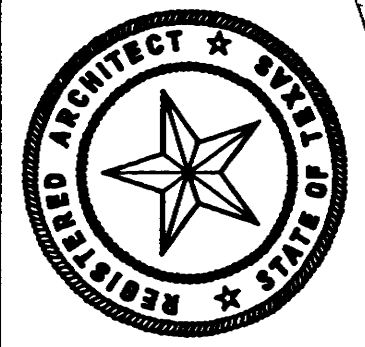




SCALE 1/8"=1'-0"

- NOTES**
- 2x4 FIXTURES  SHALL HAVE TWO OUTER LAMPS SWITCHED SEPARATELY FROM TWO INNER LAMPS BY SWITCHES 'aa', 'bb', 'cc' AND 'dd'.
 - ALL 2x4 LIGHTING FIXTURES SHALL BE TYPE "A" UNLESS NOTED OTHERWISE.

JRL
TM
TM
7-24-75



KENNETH BENTZEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WATERS, INC. STRUCTURAL ENGINEERS
CONSULTING ENGINEERS

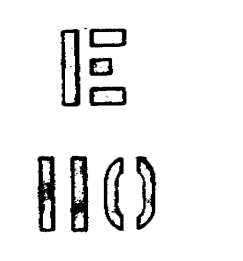
**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON, TEXAS

REVISIONS	
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DRAWN BY
CHECKED BY
PROJECT NO. 3506
DATE 7-28-75

ELECTRICAL
4th FLOOR
PLAN
LIGHTING

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME

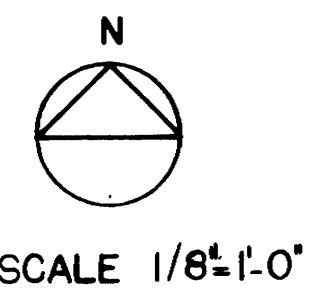
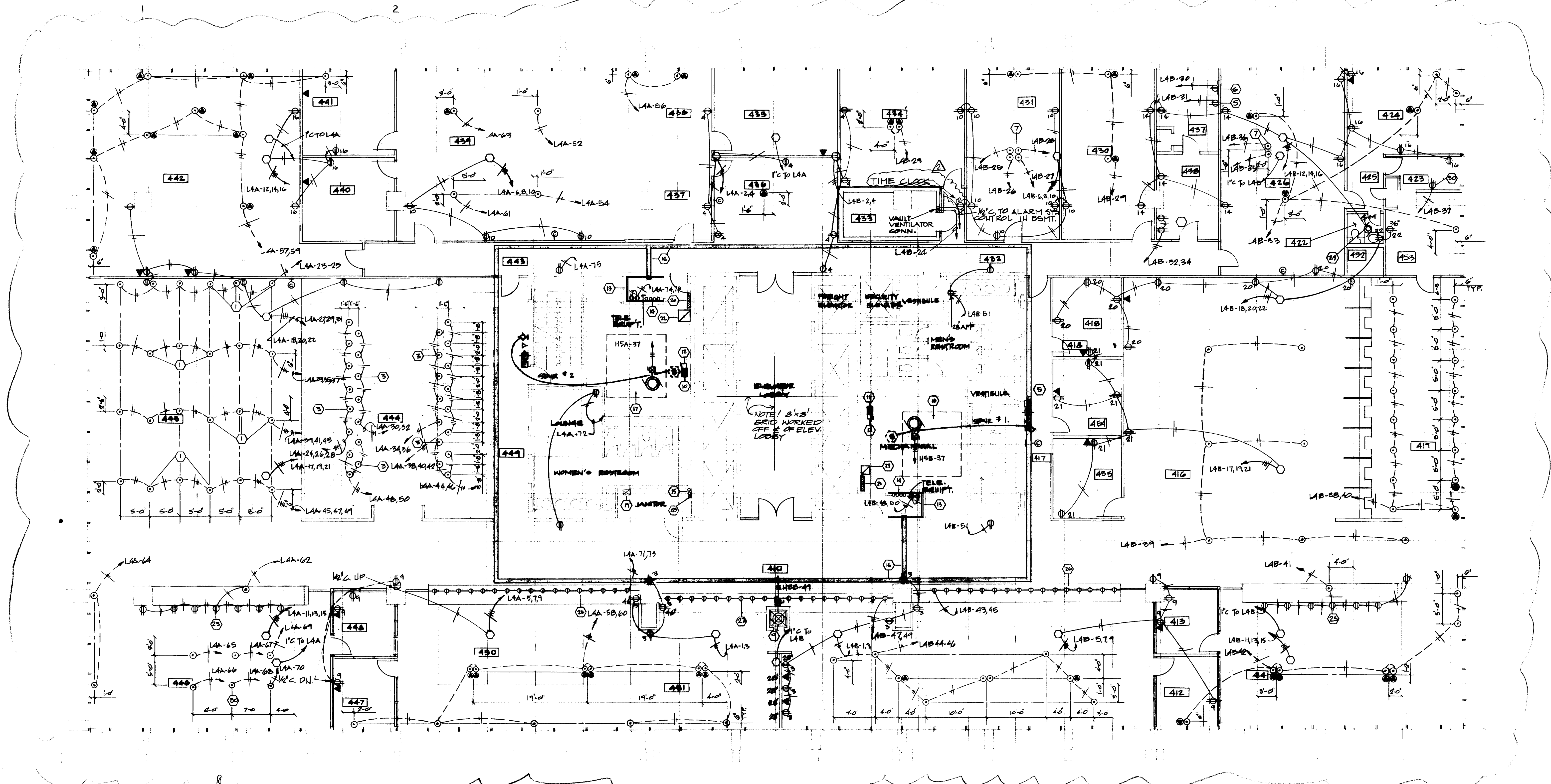


The electrical contractor shall provide and install the following electrical devices in addition to those shown on the plans.

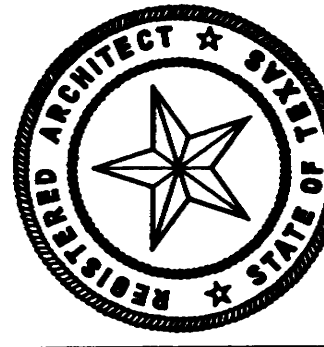
- 158-15A, 125 volt duplex wall receptacle outlets.
- 136-15A, 125 volt duplex floor receptacle outlets.
- 83-telephone wall outlets.
- 66-telephone floor outlets.

The exact location of devices listed above will be shown at a later date. Typically, all wall receptacles in Item 1 above, shall be circuited to L.V. panels via conduit grid system shown on plans. Floor outlets shall be wired as shown in Detail 1-2109, this sheet.

1	MICRO-FILM READERS	115, 14	29 A	
2	CAMERA	120, 14	1.9 KW	
3	MICRO-FILM INDEX	120, 14	.5 KW	
4	VENDING MACHINE	115, 14	10 A	
5	COFFEE MAKER	120, 14	1.3 KW	
6	REFRIGERATOR	120, 14	.65 KW	
7	LEXITRON	110, 14		
8	DRINK MACHINE	120, 14	13 A	
9	DUMB WAITER	400, 34	2 H.P.	
10	BUS "A"			
11	BUS "B"			
12	PLUG-IN SWITCH			
13	TELEPHONE TERMINAL BOARD			
14	4-4" FOR TELEPHONE RISER			
15	2-2" FOR ELEVATOR RISER			
16	8" x 8" WIRE TROUGH FOR TEL.			
17	AHU #11	400, 34	20 HP	
18	AHU #10	400, 34	20 HP	
19	COMPUTER CHASE			
20	PANEL "LAA"			
21	PANEL "LAB"			
22	TRANSFORMER "4A"			
23	TRANSFORMER "4B"			
24	PLUGMOLD	120, 14		RE: DTL. 8/A-61
25	RECEPTACLES	120, 14		RE: DTL. 5/A-157
26	PLUGMOLD	120, 14		RE: DTL. 3/A-64
27	PLUGMOLD	120, 14		RE: DTL. 4/A-61
28	1/2" C. FOR CT RISER			
29	FAN - F-19	120, 14	1/2 HP	
30	LECTRIEVER	110, 14	1.5 KW	



JRL
M.J.
M.J.
7-24-75



KENNETH BENTSEN ASSOCIATES
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HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

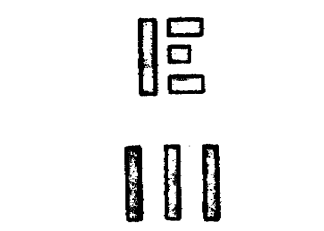
REVISIONS

1	ADD 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500.
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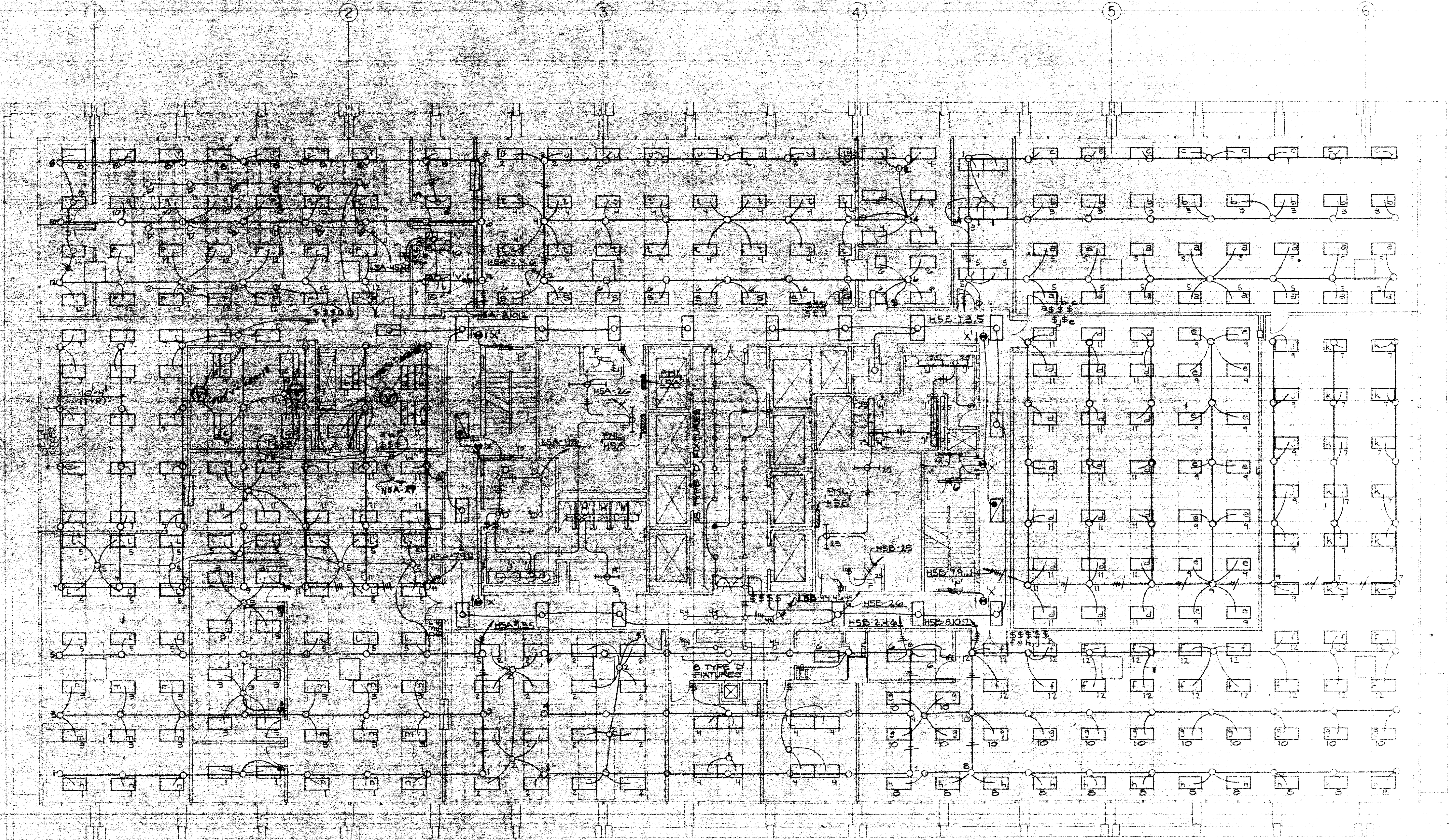
DRAWN BY
CHECKED BY
PROJECT NO. 3506
DATE 7-24-75

ELECTRICAL 4th FLOOR PLAN POWER

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



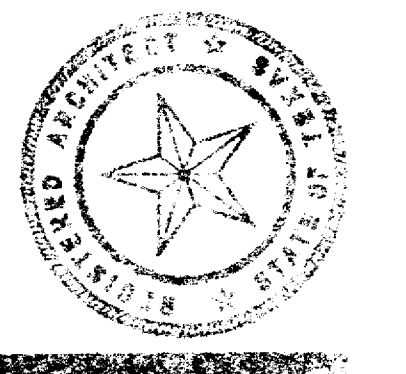
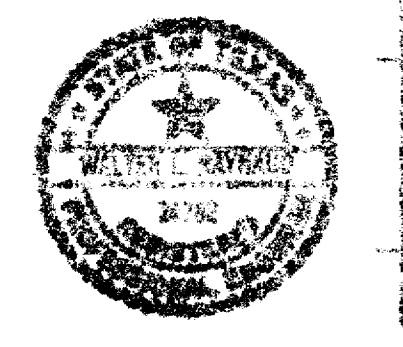
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SCALE: 1/8" = 1'-0"

NOTE:
ALL 2 x 1 FIXTURES SHALL BE TYPE
UNLESS OTHERWISE NOTED

GENERAL REVISION
PLEASE REFER TO SHEET
REVISION



KENNETH BENTSEN ASSOCIATES
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HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES INC. STRUCTURAL ENGINEERS
HOUSTON, TEXAS

HARRIS COUNTY
ADMINISTRATION BUILDING
HOUSTON TEXAS

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PROJECT NO.	
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ELECTRICAL
5TH FLOOR
PLAN
LIGHTING

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR
CORRECTIONS

11/12

MK	DESCRIPTION	VOLT	LOAD	REMARKS	MK	DESCRIPTION	VOLT	LOAD	REMARKS
1	MICRO-READER	110,10	.5 KW		26	KEY PUNCH #3742	115,10	.4 KW	
2	MICRO-PRINTER	110,10	.5 KW		27	KEY PUNCH #3741	115,10	.4 KW	
3	KODAK READER-PRINTER	120,10	4 A.		28	CONVERTER	115,10	.4 KW	
4	DESK TOP PRINTER	120,10	4 KW		29	COFFEE MAKER	110,10	1.3 KW	
5	CUTTER	208,10	5 HP		30	REFRIGERATOR	110,10	.65 KW	
6	DESK TOP DRILL & BOOKBINDER	110,10	1.25 KW		31	DRINK MACHINE	110,10	13 A.	
7	XEROX 3600 III	208,10	7.7 KW		32	POWER CONTROL CABINET	208,30	7.9 KW	
8	XEROX 7000	208,10	3.86 KW		33	STORAGE CABINET	208,30	1.8 KW	
9	OFFSET PRINTER	120,10	13 A.		34	0770 PRINTER	208,30	2.9 KW	
10	CAMERA PLATE PROCESSOR	120,10	18 A.		35	0716 CARD READER	208,10	2.3 KW	
11	COPY FLOW	208,10	6.3 KW		36	9700 SYSTEM CONTROL	208,10	1.6 KW	
12	SHREDDER	208,30	2.5 KW		37	5017 CONTROL	208,10	3.0 KW	
13	BELL & HOWELL PROCESSOR	120,10	1.5 KW		38	UNISERVO 16	208,10	3.5 KW	
14	DEVELOPER	120,10	12 A.		39	5039 DISC CONTROL	208,30	17.1 KW	
15	ENLARGER	110,10	.2 KW		40	FUTURE STORAGE CABINET	208,30	1.8 KW	
16	DESK TOP FILM COPIER	110,10	5 A.		41	BUS "A"	---	---	
17	LARGE DESK TOP FILM COPIER	110,10	10 A.		42	BUS "B"	---	---	
18	DRYER	110,10	2.5 KW		43	PLUB IN SWITCH BOARD	---	---	
19	DENSITOMETER	110,10	.18 KW		44	TELEPHONE TERMINAL	---	---	
20	LARGE CAMERA	208,10	2.5 KW		45	4-4"C. FOR TELEPHONE RISER	---	---	
21	CAMERA	120,10	.6 KW		46	8"X8" WIRE TROUGH FOR TELEPHONE	---	---	
22	MOTORIZED FILE	110,10	1.5 KW		47	AHU #13	460,30	20 HP	
23	FB MAIL STAMPER	110,10	1/10 HP		48	AHU #12	460,30	20 HP	
24	JOGGER	120,10	2 A.		49	ACU #3	470,30	35 A	
25	PAPER BURSTER	120,10	.6 HP		50	COMPUTER CHASE	---	---	

ELECTRICAL DEVICE ALLOWANCES - 5th FLOOR

The electrical contractor shall provide and install the following electrical devices in addition to those shown on the plans.

- 174-LSA, 125 volt duplex wall receptacle outlets.
- 49-LSA, 125 volt duplex floor receptacle outlets.
- 93-telephone wall outlets.
- 15-telephone floor outlets.

The exact location of devices listed above will be shown at a later date. Typically, all receptacles in item 1 above, shall be circuited to C.V. panels via conduit grid system shown on plans. Floor outlets shall be wired as shown in detail 1-110, this sheet.

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CHEMULAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

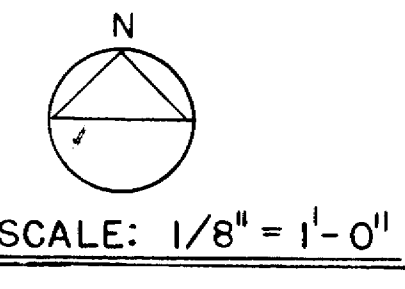
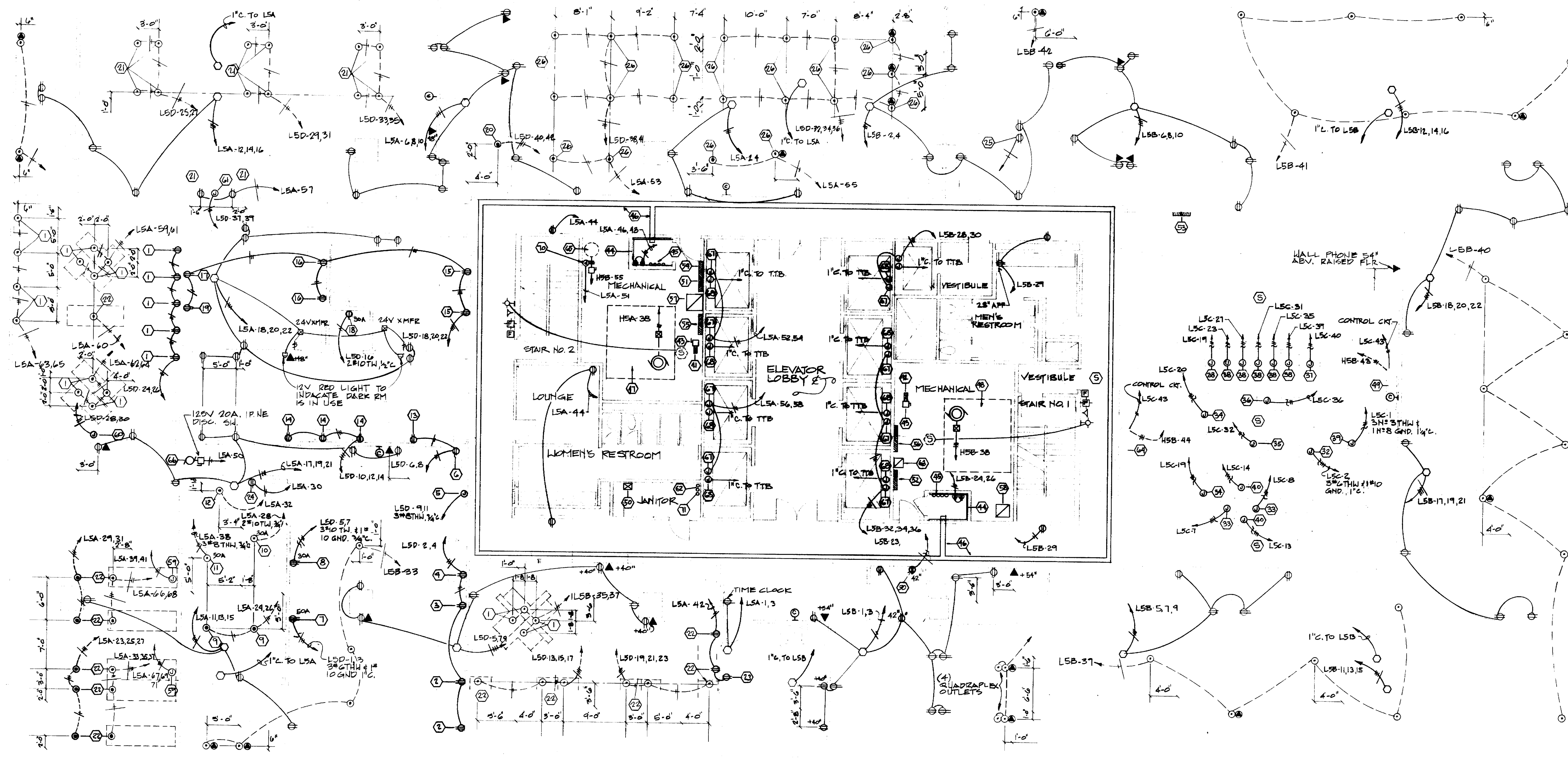
1	10.4.76	
2	2.10.77	ADDED FLOOR OUTLETS
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DRAWN BY
CHECKED BY
PROJECT NO. 3506
DATE 7-28-75

ELECTRICAL 5th FLOOR PLAN POWER

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

113



GENERAL REVISION SHEET REDRAWN

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SCOPE OF WORK

Furnish and install a complete operating communication center and distribution system as specified and as shown on plans. System shall include all equipment, cable, boxes, conduit required for a complete system.

FUNCTION

The system shall provide the following functions:

- (1) Provide one way communication from the center to all remote speakers simultaneously by personal voice selection or AM/FM tuner selection.

OPERATION

AM/FM tuner transmission shall be connected to all speakers for parallel speaker operation. Each speaker shall have on/off volume control for AM/FM tuner channel only. For paging, manually pressing a microphone switch will drop the AM/FM tuner from the speaker circuit. The paging system/circuit will be active on all speakers without respect to the on/off volume control position for tuner reception.

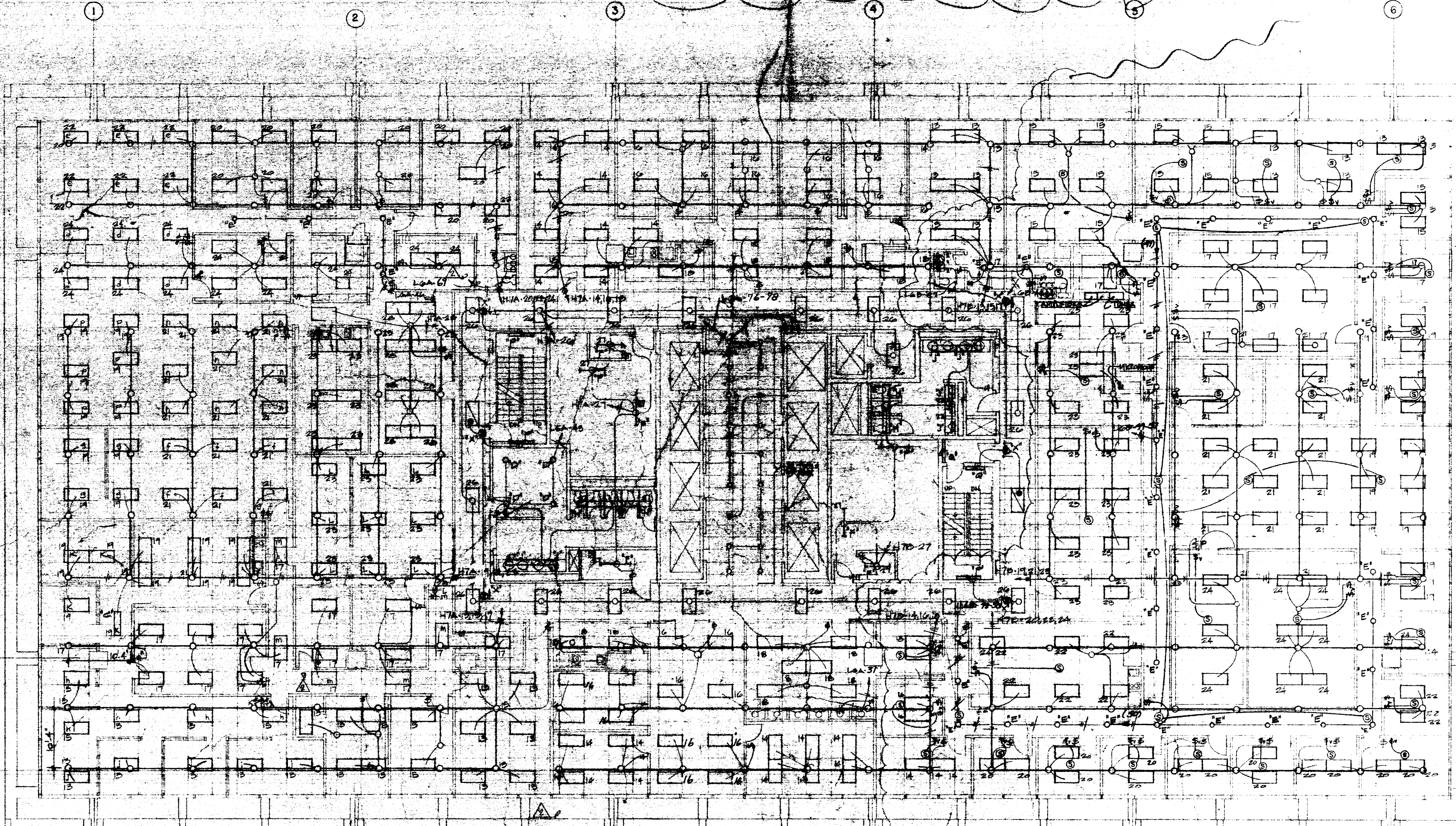
EQUIPMENT

The equipment shall be that of Dukane Corporation, Soundelier, and Mertronics and consists of the following:

- A. Amplifiers (two required) Dukane Model 1A1360, 120 volt, Solid State; 60 watt, remote mute circuitry, two microphone low impedance inputs, one high impedance input.
- B. AM/FM tuner (one required) Dukane Model 19A150 120 volt, Solid State, AM/FM, 540 to 1605 KHZ, 88 to 108 MHz.
- C. Microphone (one required) Dukane Model 7A765A, desk top, touch to talk bar, satin chrome finish.
- D. Speakers (40 recessed) Dukane Model 5A451 dual voice 8" recessed.
- E. Speaker grills (40 required) Dukane Model 6A335 round brushed aluminum finish.
- F. Speaker transformer (one per speaker) Dukane Model 710-3095.
- G. Speaker baffle boxes (one per speaker) Dukane Model 145-226.
- H. On-off volume control (40) switches, wall mounted, Dukane Model VC 5K, or Mertronics Model 707.

SOUND SYSTEM LEGEND

- Ⓢ SPEAKERS 8" RECESSED
- Ⓢ OFF-ON VOLUME SWITCH, WALL BOX MTD., SAME MOUNTING HEIGHT AS LIGHT SWITCH.



NOTE

1. ALL 2' x 4' LIGHTING FIXTURES SHALL BE TYPE 'A' UNLESS NOTED OTHERWISE.

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

KENNETH BENTSEN ASSOCIATES
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 HOUSTON, TEXAS 77027
 WALTER F. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHESAULY & BRADY CONSULTING ENGINEERS

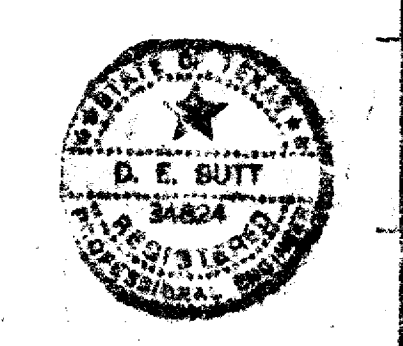
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4	AS SHOWN
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 PROJECT NO. 3632
 DATE 7-24-76

ELECTRICAL
 6th FLOOR
 PLAN
 LIGHTING

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



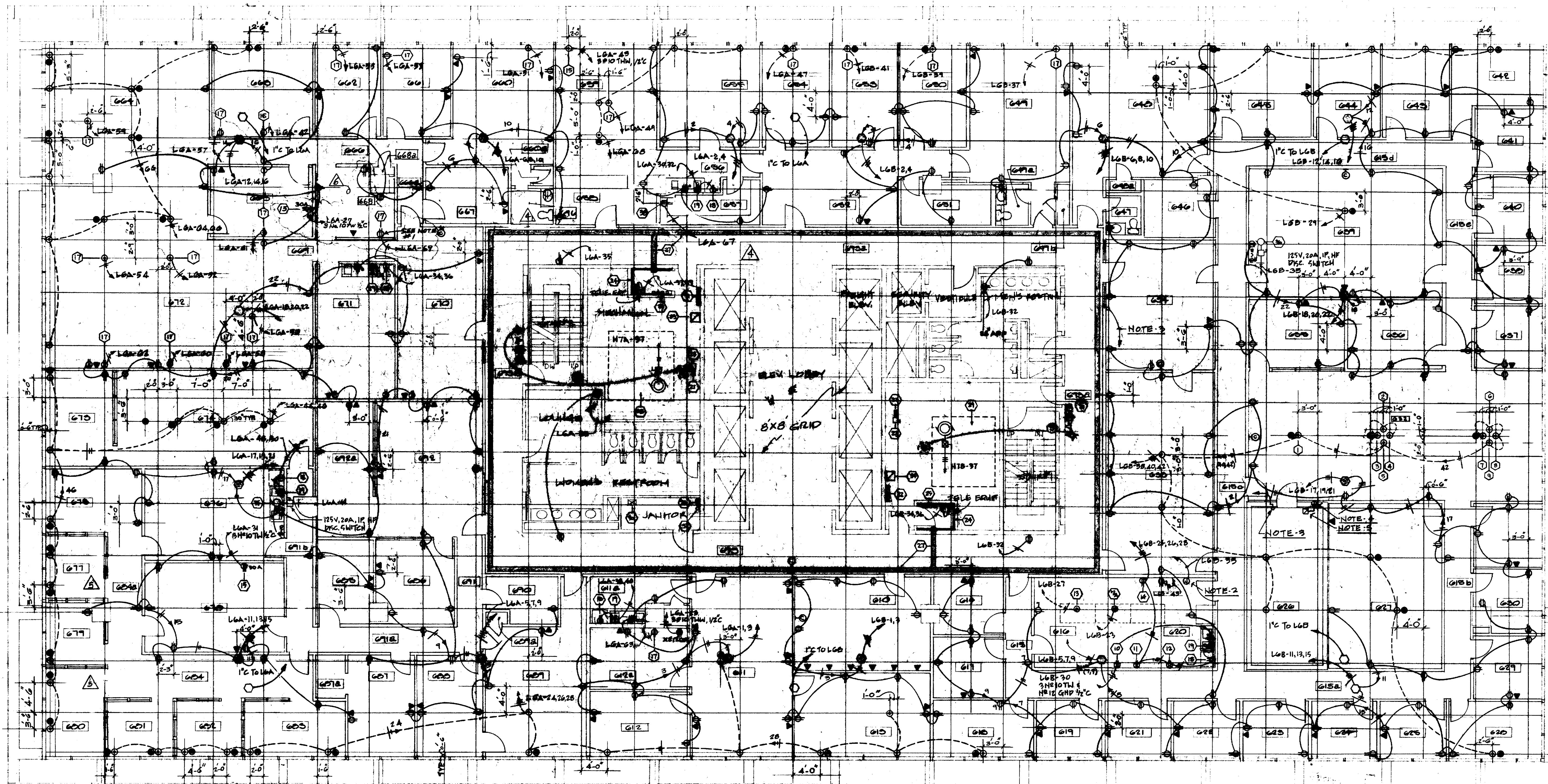
The electrical contractor shall provide and install the following electrical devices in addition to those shown on the plans.

- 311-15A, 125 volt duplex wall receptacle outlets.
- 35-15A, 125 volt duplex floor receptacle outlets.
- 118-telephone floor outlets.
- 19-telephone floor outlets.

The exact location of devices listed above will be shown at a later date. Typically, all wall receptacles in Item 1 above, shall be circuited to L.V. panels via conduit grid system shown on plans. Floor outlets shall be wired as shown in Detail 1-2109, this sheet.

NO.	DESCRIPTION	VOLTS	AMPS	REMARKS
1-7	TYPEWRITERS	115, 1ϕ	1.2A EA.	
10	VEROX-4000	115, 1ϕ	2.0 KW	
11	VELO BINDER	110, 1ϕ	6 A.	
12	VELO BIND PUNCH	110, 1ϕ	2 A.	
13	MULTI GRAPHICS	115, 1ϕ	15 A.	HUBBELL #5362
13A	MULTI GRAPHICS	200, 1ϕ	15 A.	HUBBELL #5461
14	GESTETNER	115, 1ϕ	3 A.	
15	IBM COPIER II	200, 1ϕ	18 A.	
16	MTST TYPEWRITER	110, 1ϕ	3 A.	
17	IBM CRT	115, 1ϕ	.17 KW	HUBBELL #IG5202
18	REFRIGERATOR	110, 1ϕ	.65 KW	
19	COFFEE MAKER	110, 1ϕ	1.3 KW	
20	VIDEO TAPE LEXITRON	110, 1ϕ	.4 KW	
21	BUS-2A			
22	BUS-2B			
23	PLUG-IN SWITCH			
24	TELEPHONE TERMINAL BOARD			
25	4-ϕC FOR TELEPHONE RISER			
26	2-ϕC FOR ELEVATOR RISER			
27	8-ϕC WIRE TROUGH FOR TEL.			
28	AHU #15	400, 3ϕ	20 HP	
29	AHU #16	400, 3ϕ	20 HP	
30	COMPUTER CHASE			
31	PANEL L6A			
32	PANEL L6B			
33	TRANSFORMER 6A			
34	TRANSFORMER 6B			
35	FAN F-15	120, 1ϕ	1/8 HP	
36	FAN F-12	120, 1ϕ	1/8 HP	
37	1/8" C. FOR CT RISER			
38	FILM PROCESSOR	120, 1ϕ	15A.	

- NOTES**
- ELEC. CONTR. SHALL PROVIDE & INSTALL 3/4" EMPTY CONDUIT FROM EACH CLS. TO EACH LOCATION TO COMPUTER CHASE IN JANITOR'S CLOSET. PROVIDE COOED FULL WIRE IN EACH CONDUIT.
 - J. BOX FOR CONNECTION OF ULTRONIC SYSTEM, LOCATE ABOVE CLG.
 - 1/2" C. TO T.T.B. FOR SECURITY SYSTEM ALARM.
 - J. BOX FOR CONN. OF ELEC. RDR. HOLDER, MT. 6" A.F.F.
 - L.V. TMR. - 24VAC, 60HZ, .100AMPS. POWERED VIA MAIN FIRE ALARM PNL.



KENNETH BENTSEN ASSOCIATES
200 SOUTHWEST TOWER
HOUSTON, TEXAS 77002

BRODNAX, PHENIX ASSOCIATES
2727 WESLAVAN
HOUSTON, TEXAS 77027

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

10.4.76	ADDEN DIMENSIONS ROOM 668
12.8.76	
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1/10/77	DELETE OUTLET
3/11/77	DELETE OUTLET

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DATE 7-24-76

ELECTRICAL 6th FLOOR PLAN POWER

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

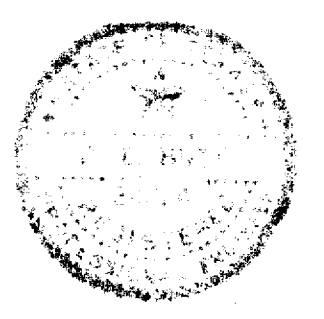
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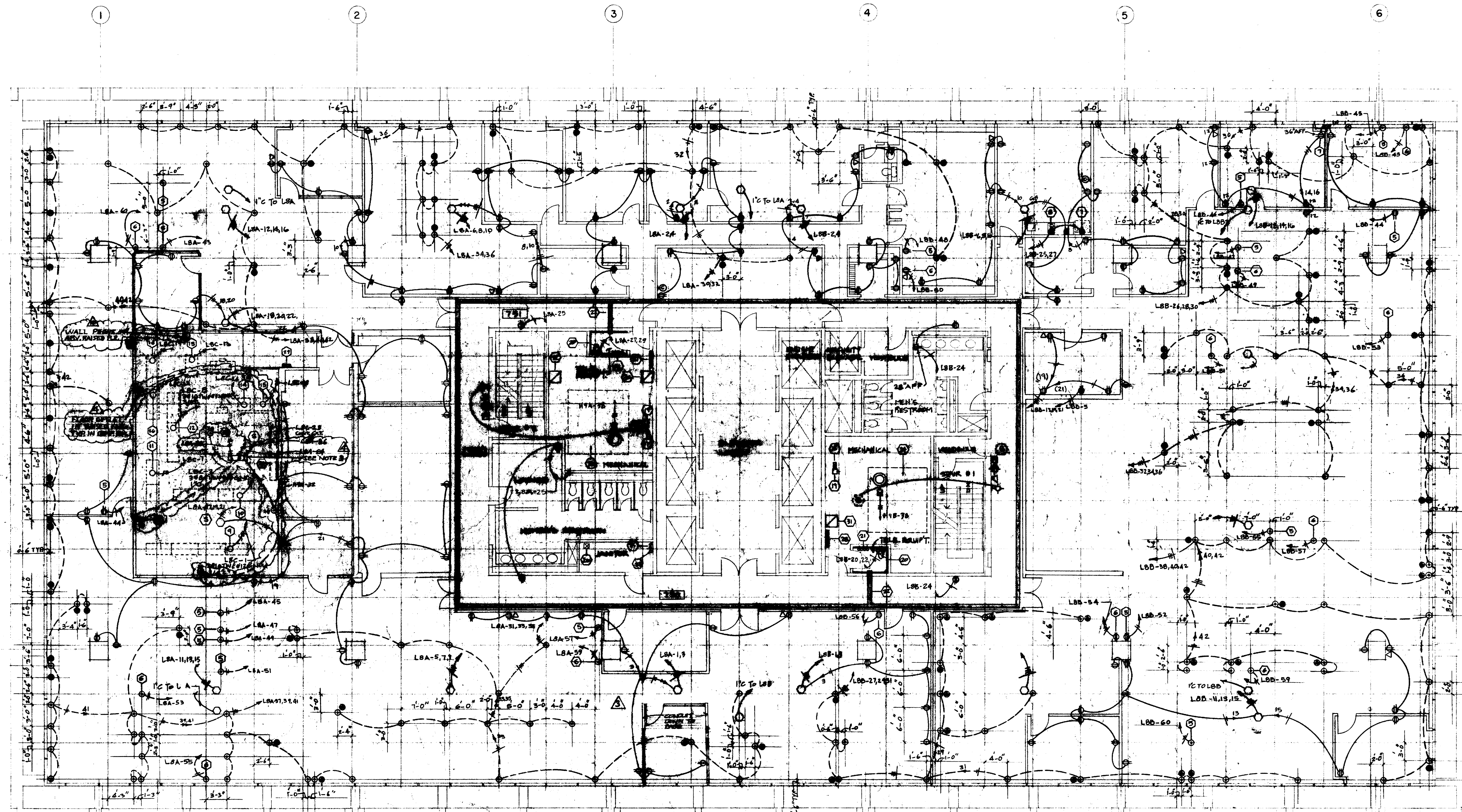
SCALE: 1/8" = 1'-0"



NO.	DESCRIPTION	VOLT	LOAD	REMARKS	NO.	DESCRIPTION	VOLT	LOAD	REMARKS
1	SHREDER	208V, 3Ø	2.5 KW		26	COMPUTER CHASE			
2	BURSTER	115V, 1Ø	5.6 A		27	PANEL 'L8A'			
3	DECODATOR	115V, 1Ø	5 A		28	PANEL 'L8B'			
4	IBM 029 KEY PUNCH	115V, 1Ø	3.4 A		29	PANEL 'L8C'			
5	IBM CRT	115V, 1Ø	0.17 KW	RUBBELL #TG 5262	30	TRANSFORMER '8A'			
6	IBM CRT	115V, 1Ø	0.17 KW	RUBBELL #TG 5262 RUN COND. TO COMPUTER RM.	31	TRANSFORMER '8B'			
7	REFRIGERATOR	115V, 1Ø	1.05 KW	RUBBELL #TG 5262 RUN COND. TO CHASE	32	TRANSFORMER '8C'			
8	COFFEE MAKER	115V, 1Ø	1.0 KW		33	NOT USED			
9	DISK CONTROL	208V, 3Ø	6.5 KW		34	NOT USED			
10	MAG TAPE	208V, 3Ø	8.8 KW		35	OPS SORTER	110V, 1Ø	1.0 KW	
11	DISK CONTROL	208V, 3Ø	2.9 KW		36	ACU'S	480V, 3Ø	35 A	
12	CPU 2050H	208V, 3Ø	6.97 KW		37	1/4" C. FER. C.T. RISER			
13	CONTROL 2001	208V, 3Ø	4.1 KW		38	CRT TERMINAL-COURIER	117V, 1Ø	1.2 KW	
14	CARD READER	208V, 1Ø	1.5 KW		39	DISPLAY CONTROL-COURIER	117V, 1Ø	1.4 KW	
15	DATA ADAPTER UNIT	208V, 1Ø	1.0 KW						
16	TERMINAL CONTROL	208V, 1Ø	2.0 KW						
17	BUS 'A'								
18	BUS 'B'								
19	PLUG IN SWITCH								
20	TELEPHONE TERMINAL BOARD								
21	4-4" C FOR TELEPHONE RISER								
22	8"Ø WIRE TROUGH FOR TEL.								
23	AHU # 19	480V, 3Ø							
24	AHU # 18	480V, 3Ø							
25	2-2" C FOR ELEVATOR RISER								

NOTES:

- ELEC. CONTR. SHALL PROVIDE & INSTALL 3/4" EMPTY CONDUIT FROM EACH CRT LOCATION TO COMPUTER CHASE IN JANITOR'S CLOSET, OR COMPUTER ROOM AS NOTED. PROVIDE CODED PULL WIRE IN EACH CONDUIT.
- ALL COMPUTER TERMINALS TO BE MOUNTED AT A MIN. OF 12" FROM ANY 120V. OR 220V. RECEPTACLE.
- 3 POLE NORMALLY OPEN RELAY CONTROLLED BY PANEL L8C SHUNT TRIP.



SCALE: 1/8" = 1' 0"

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DESIGNED BY TM
DRAWN BY TM
DATE 7-24-78

KENNETH BENTSEN ASSOCIATES
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BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAU & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

Δ	2-10-77
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Δ	2/24/78

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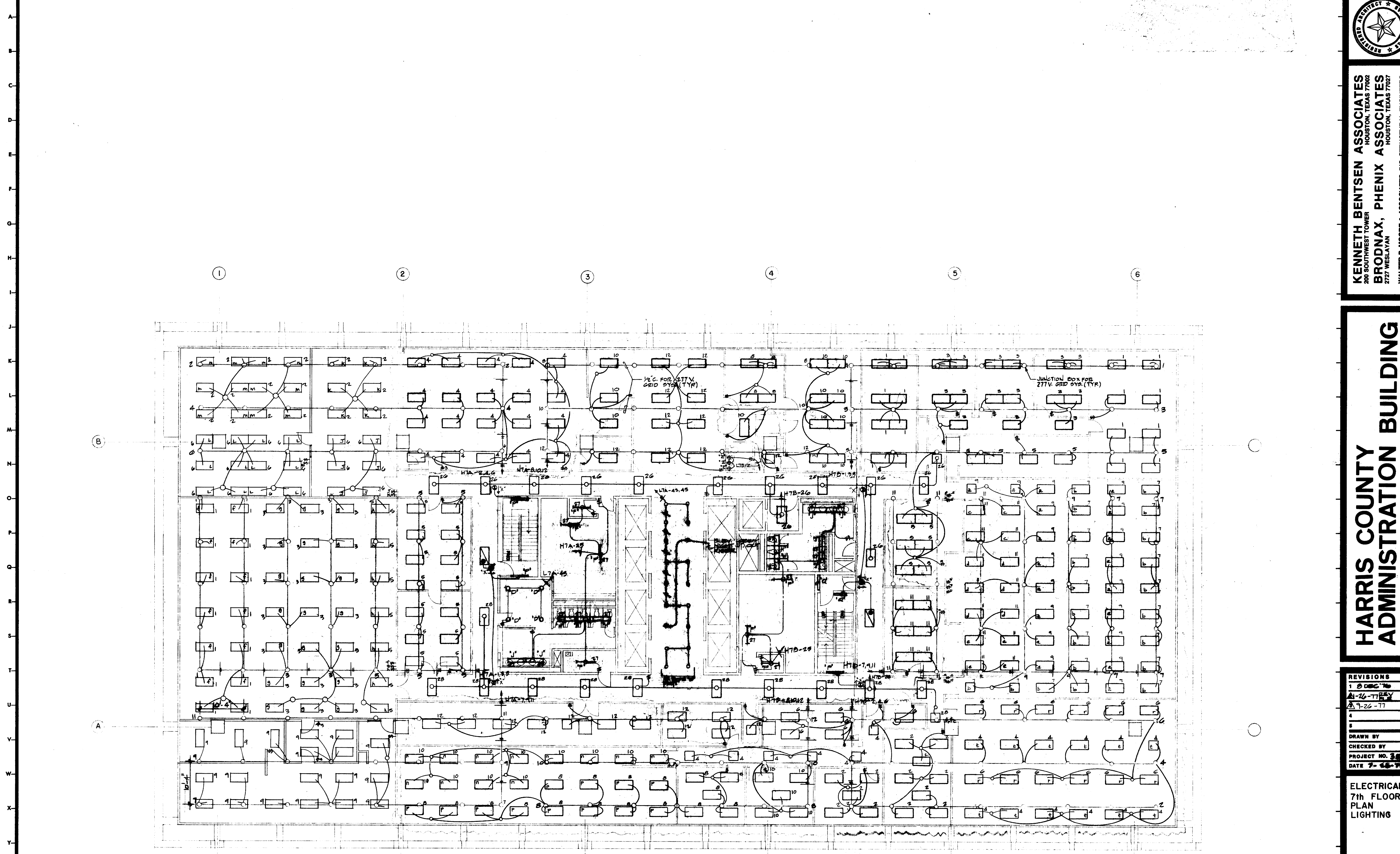
ELECTRICAL
8th FLOOR
PLAN
POWER

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

117R

THIS DRAWING AS ISSUED IN THE ORIGINAL CONTRACT, REPRESENTS THE SEVENTH FLOOR. THIS REVISION CHANGES THIS FLOOR TO THE EIGHTH FLOOR. ENTIRE FLOOR REVISED.

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37



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

NOTES
1. ALL 2'x4' LIGHTING FIXTURES SHALL BE TYPE 'A' UNLESS NOTED OTHERWISE.

REVISOR 04 FLOOR DWG TO REFLECT AS 7TH FLOOR
REVISED LIG. AS CIRCLED

CHECKED BY
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DRAWN BY
DATE

REVISIONS

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PROJECT NO. 3
DATE 7-24-75

ELECTRICAL
7th FLOOR
PLAN
LIGHTING

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



118

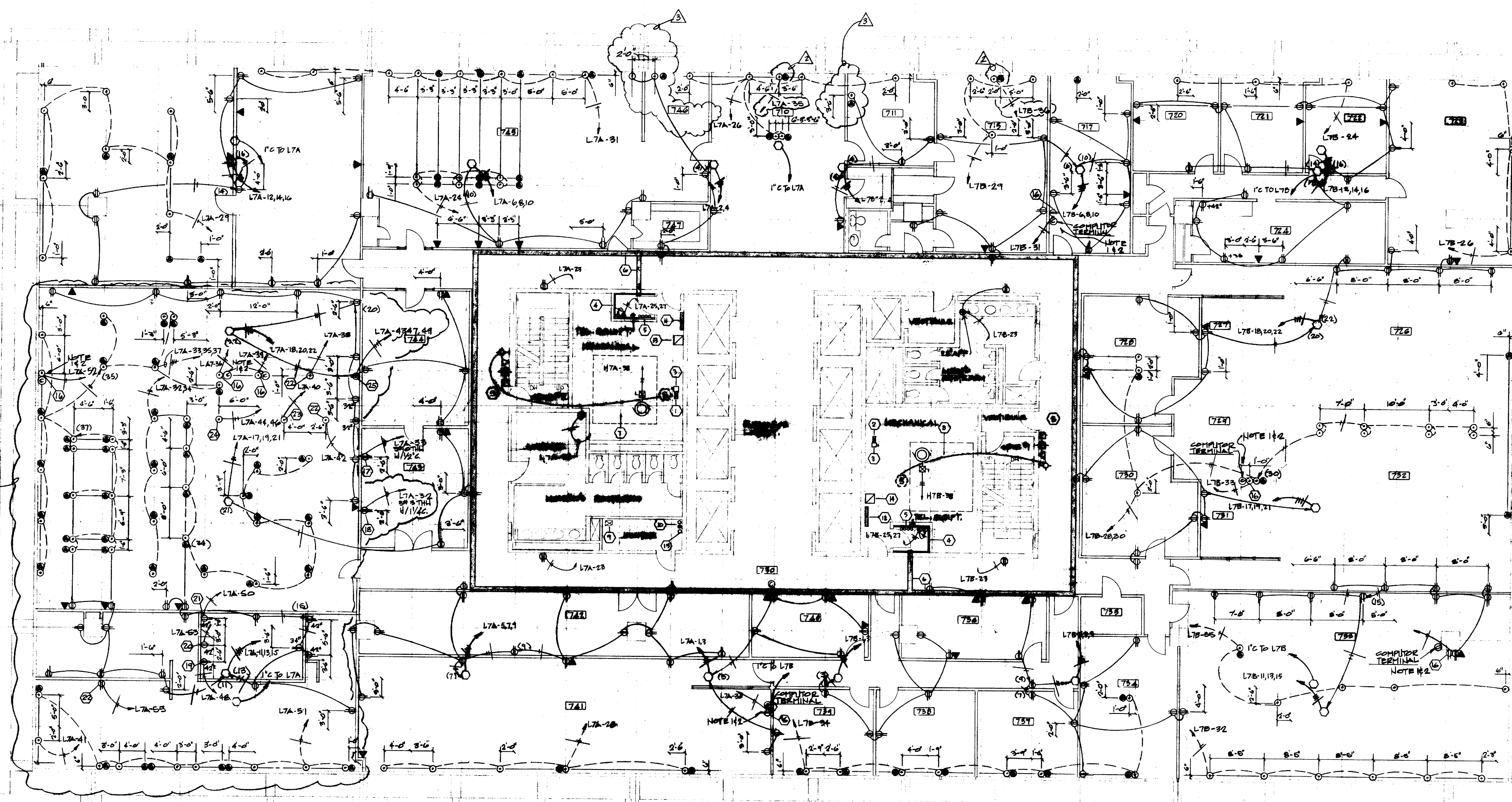
KENNETH BENTSEN ASSOCIATES
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BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY
ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS
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PROJECT NO. 3
DATE 7-24-75
ELECTRICAL
7th FLOOR
PLAN
LIGHTING
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME
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NO.	DESCRIPTION	QTY	LOAD	REMARKS
1	BUS 'A'			
2	BUS 'B'			
3	PUSH-BUTTON SWITCH			
4	TELEPHONE TERMINAL BOARD			
5	4-4" FOR TELEPHONE RISER			
6	8" WIRE TROUGH FOR TEL.			
7	AHU #17	460, 3 ϕ	20 HP	
8	AHU #16	460, 3 ϕ	20 HP	
9	COMPUTER CHASE			
10	2-2" FOR ELEVATOR RISER			
11	PANEL 'L7A'			
12	PANEL 'L7B'			
13	TRANSFORMER '7A'			
14	TRANSFORMER '7B'			
15	1/2" FOR CT RISER			
16	10M. CBT.	110	17KVA	
17	XEROX	220, 1 ϕ	2.5A 40/2 BKR.	
18	PRINTER	220, 1 ϕ	80A	
19	COFFEE MAKER	110, 1 ϕ		
20	MICROWAVE OVEN	110, 1 ϕ		
21	REFRIG.	110, 1 ϕ		
22	POSTAGE MACH.	110, 1 ϕ		
23	CHECK SIGNER	110, 1 ϕ		
24	XEROX	220, 1 ϕ		
25	XEROX 4000	110, 1 ϕ	15A 50/11 BKR.	

NOTE:
 1. ELECTRICAL CONTRACTOR SHALL PROVIDE & INSTALL 3/4" EMPTY CONDUIT FROM EACH CBT 2' BMT LOCATION TO COMPUTER CHASE IN JANITOR'S CLOSET. PROVIDE GOOD PULL WIRE IN EACH CONDUIT.
 2. ALL COMPUTER TERMINALS TO BE MOUNTED AT A MIN. OF 12" FROM ANY 120V OR 220V RECEPTACLE.



REVISED THIS FLOOR TO BE REFLECTED AS THE 7TH FLR.
 EIGHTH SEVENTH

JRL
 MJ
 MJ
 7-24-75

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

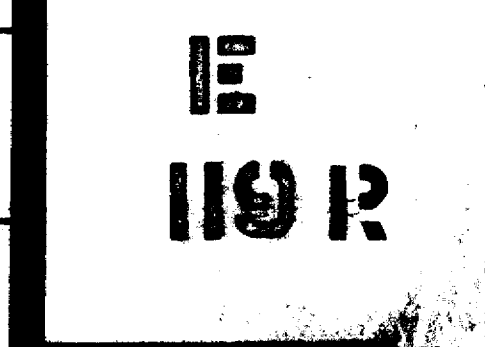
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 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
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 CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON TEXAS

REVISIONS
 A1-12-77
 A1-24-77
 A1-14/17/77
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 CHECKED BY
 PROJECT NO. 3506
 DATE 7-24-75


ELECTRICAL 8TH FLOOR PLAN POWER

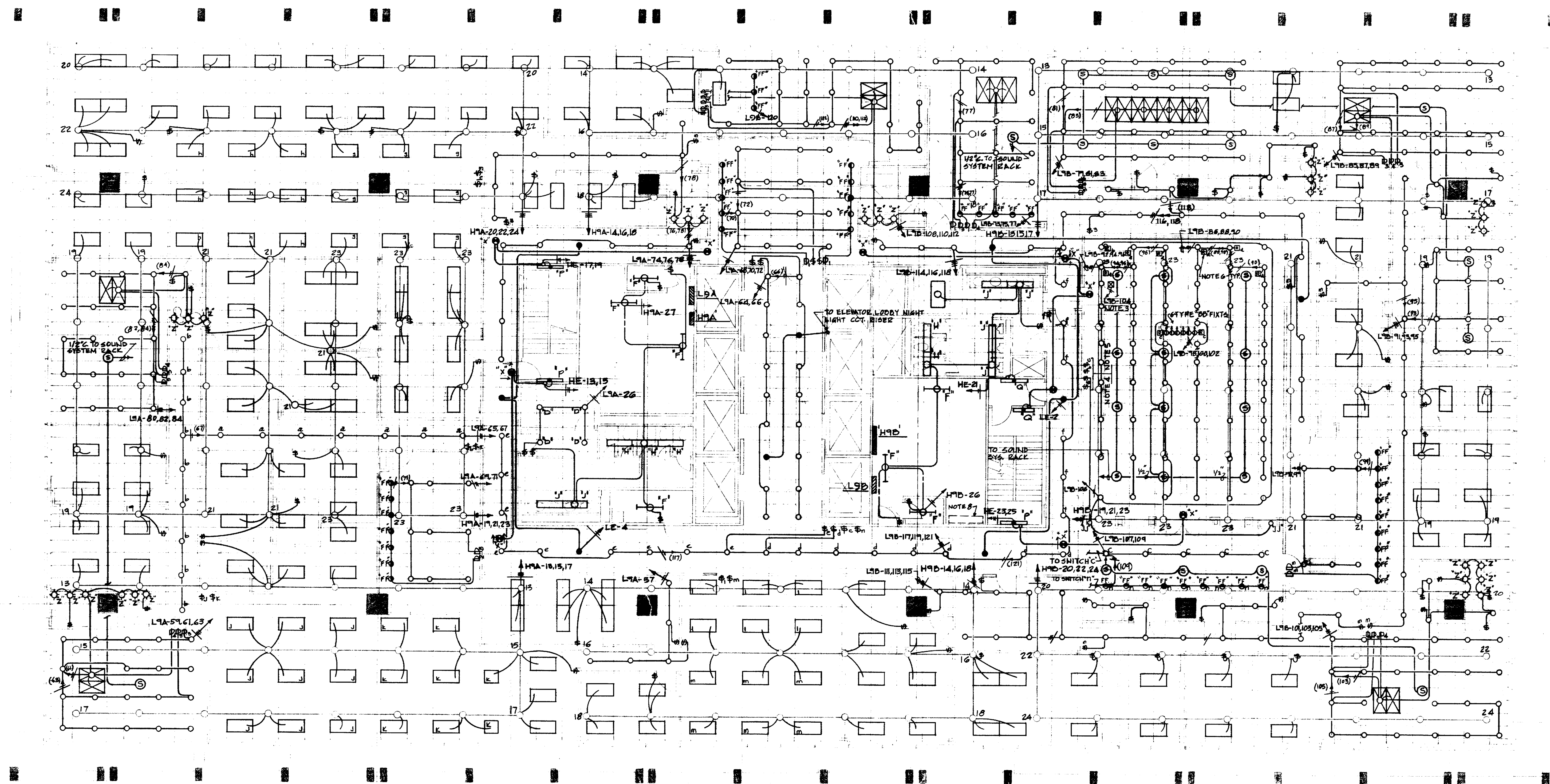
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



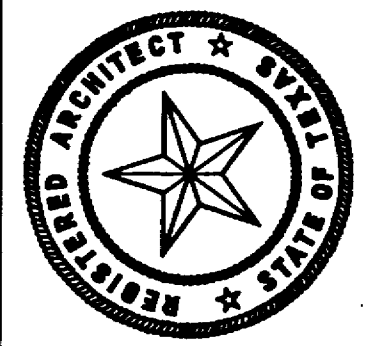
DIMMERS SCHEDULE	
TYPE	DESCRIPTION
D ₁	LUTRON NOVA* N-1000, 1000W, 120V
D ₂	LUTRON NOVA* N-1500, 1500W, 120V
D ₃	LUTRON NOVA* N-2000, 2000W, 120V
D ₄	LUTRON NOVA* NF-10-UL, 12 LAMP, 120V
D ₅	LUTRON NOVA* NF-20-UL, 24 LAMP, 120V
D ₆	LUTRON NOVA* NF-30-UL, 36 LAMP, 120V

NOTES:

1. ALL 2'x4' LIGHTING FIXTURES SHALL BE TYPE "A" UNLESS NOTED OTHERWISE.
2. ALL INCANDESCENT DOWNLIGHTS SHALL BE TYPE "D" UNLESS NOTED OTHERWISE.
3. XFM2 - GE# RT1, 115/24V, 75VA.
4. LOW VOLTAGE SWITCH - GE# RT65.
5. MOUNT LIGHT SWITCHES BELOW CLOCK.
6. LOW VOLTAGE RELAY - GE# R27.
7. ALL LIGHT FIXTURES SHOWN THUS  SHALL HAVE 120V BALLAST.
8. SOUND SYSTEM RACK LOCATION.
9. ALL ROOMS W/ SPEAKERS TO BE PROVIDED W/ VOLUME CONTROL EXCEPT COURTROOM LOBBY (RM. # 933).



 GENERAL REVISION
ENTIRE SHEET RE-DRAWN



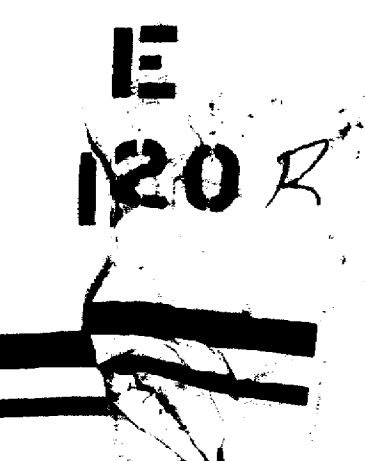
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HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS	
1	4-77 REV.
2	5/29/77 REV.
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DRAWN BY	
CHECKED BY	
PROJECT NO. 3506	
DATE 7-28-75	

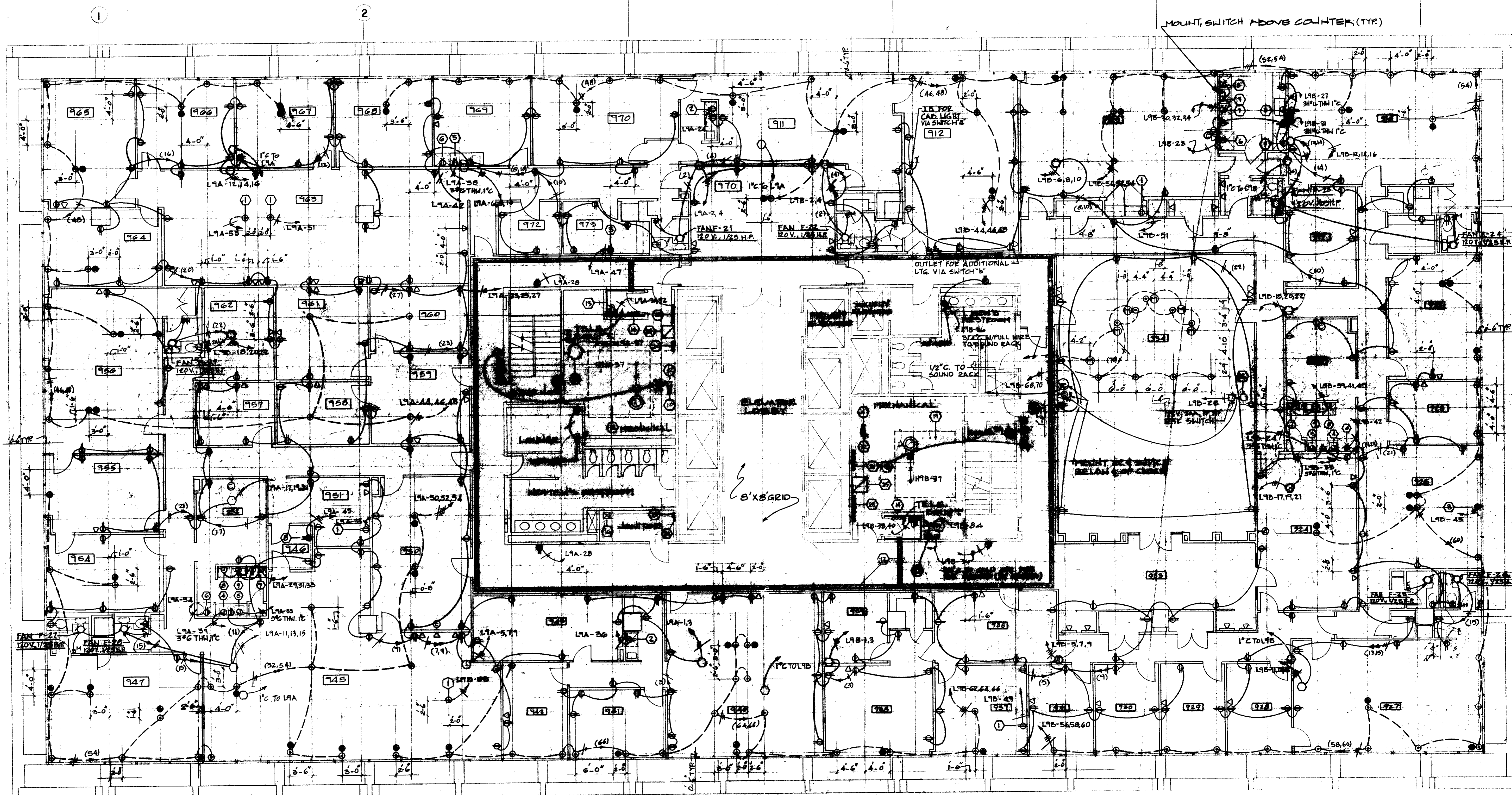
ELECTRICAL
9th FLOOR
PLAN
LIGHTING

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



MK	DESCRIPTION	VOLT	LOAD	REMARKS
1	IBM CRT	115V, 14	0.17 KVA	HUBBELL #IG5262
2	REFRIGERATOR	110V, 14	0.65 KW	
3	XEROX	208V, 14		
4	JET AIR RANGE	208V, 14	6.97 KW	
5	MICRO WAVE OVEN	208V, 14	40 A.	
6	REFRIGERATOR	110V, 14	1.0 KW	
7	TRASH COMPACTOR	115V, 14	1/2 HP	
8	DISHWASHER	120V, 14	10 A.	
9	DISPOSER	115V, 14	1/2 HP	
10	BUS "A"			
11	BUS "B"			
12	PLUG IN SWITCH			
13	TELEPHONE TERMINAL BOARD			
14	4-4" C FOR TELEPHONE RISER			
15	2-2" C FOR ELEVATOR RISER			
16	COMPUTER CHASE			
17	8" X 8" WIRE TROUGH FOR TEL.			
18	AHU # 21	460 V, 3P	20 HP	
19	AHU # 20	460 V, 3P	20 HP	
20	PANEL "H7A"			
21	PANEL "H7B"			
22	PANEL "L9A"			
23	PANEL "L9B"			
24	TRANSFORMER "9A"			
25	TRANSFORMER "9B"			
26	FAN F-14	120V, 14	1/2 HP	
27	SHIELD AND BASK LUG.			PROVIDED BY OTHERS
28	WATER CIRC. PUMP	180V, 14		
29	14" C. DUCT RISER			

NOTES:
 1. ELEC CONTRACTOR SHALL PROVIDE & INSTALL 3/4" EMPTY CONDUIT FROM EACH CRT LOCATION TO COMPUTER CHASE IN JANITORS CLOSET. PROVIDE COPED FULL WIRE IN EACH CONDUIT.
 2. ALL COMPUTER TERMINALS TO BE MOUNTED AT A MIN. OF 12" FROM ANY 120V OR 208V RECEPTACLE.
 3. ALL WALL RECEPTS. IN COURTROOM TO BE INSTALLED JUST ABOVE 2 1/4" BASE.



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

CHECKED BY
JRL
 DESIGNED BY
MJ
 DRAWN BY
MJ
 DATE
7-24-75

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 HOUSTON, TEXAS 77007
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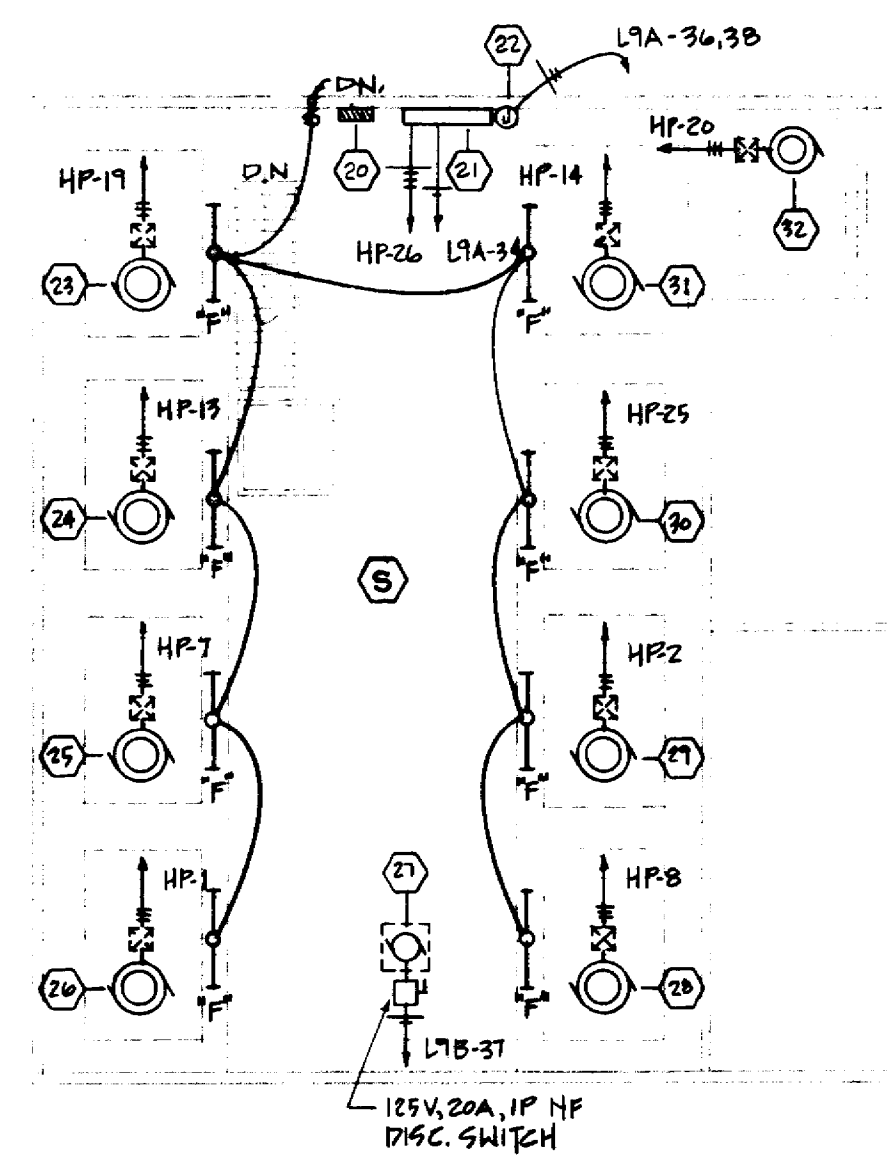
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REVISIONS
 1. 3/10/77
 2. 3/23/77
 3.
 4.
 5.
 DRAWN BY
 CHECKED BY
 PROJECT NO. 3506
 DATE 7-28-75

ELECTRICAL 9th FLOOR PLAN POWER

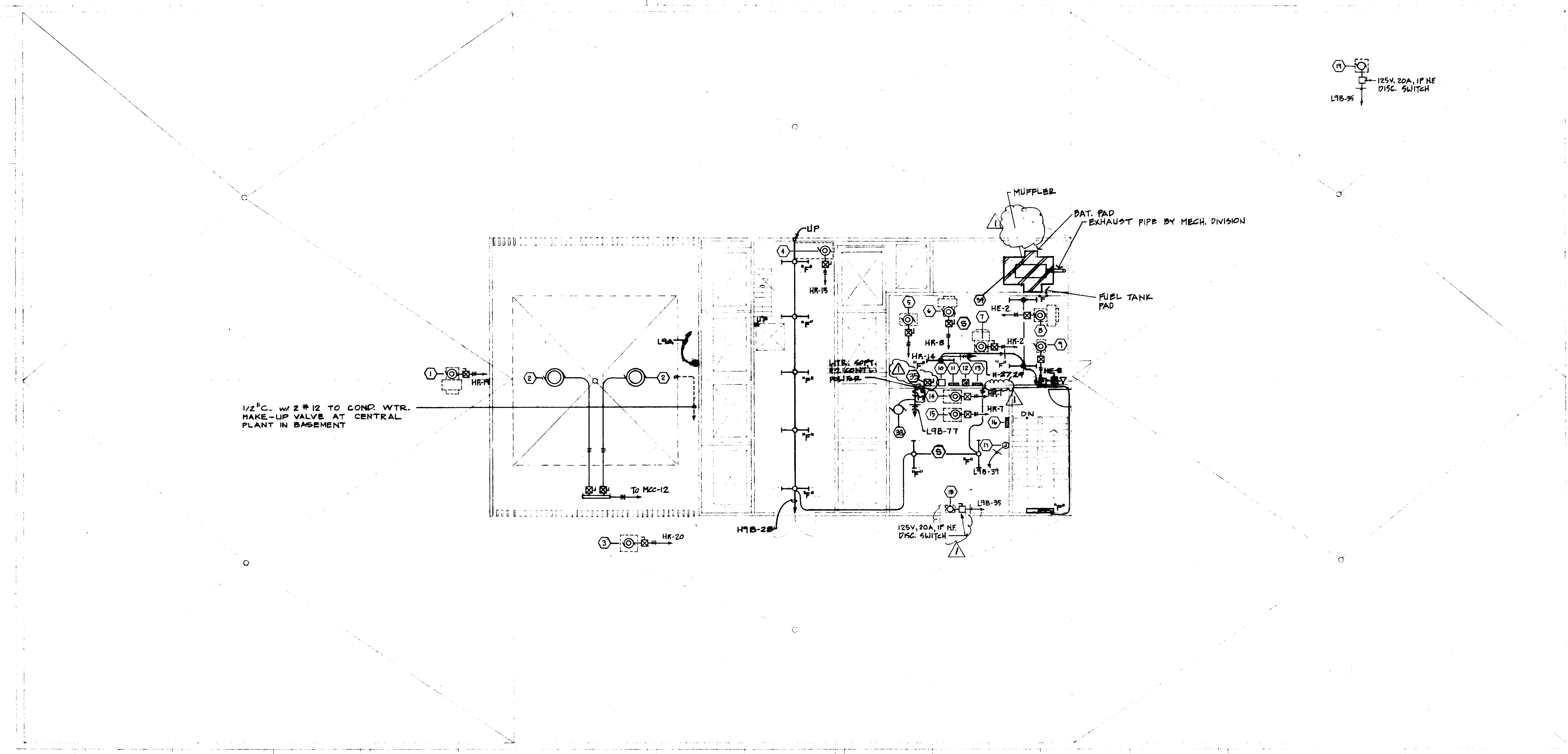
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

121 R



NOTES:
 1. STARTER FOR FAN F-28 SHALL BE CONTROLLED BY SMOKE DETECTORS IN VESTIBULES NEXT TO STAIR #2 SO THAT IF ANY OF THESE SMOKE DETECTORS TRIGGER, THE FAN WILL ENERGIZE. SEE SHEETS E-103 AND E-125.

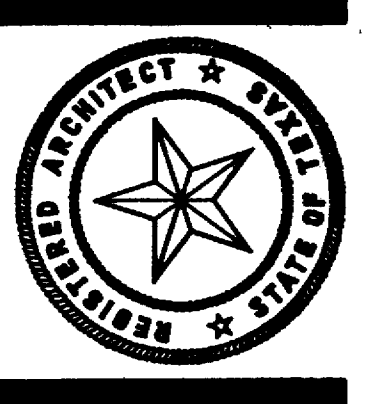
1	FAN F-2	400, 3φ	3 HP	24	ELEVATOR #1	480, 3φ	59 A
2	COOLING TOWER	400, 3φ	40 HP	27	FAN F-17	120, 1φ	1 1/2 HP
3	FAN F-5	400, 3φ	1 1/2 HP	28	ELEVATOR #7	480, 3φ	59 A
4	AHU-22	400, 3φ	3 HP	29	ELEVATOR #6	480, 3φ	59 A
5	FAN F-4	400, 3φ	1 HP	30	ELEVATOR #5	480, 3φ	59 A
6	FAN F-3	400, 3φ	5 HP	31	ELEVATOR #8	480, 3φ	59 A
7	FAN F-1	400, 3φ	7 1/2 HP	32	ELEVATOR #9	480, 3φ	59 A
8	FAN F-6	400, 3φ	3 HP	33	WTR. CIRC. PUMP	120, 1φ	
9	FAN F-7	400, 3φ	3 1/2 HP	34	EMERG. GENERATOR		
10	AUTOMATIC TRANSFER SWITCH			35	FAN F-28 STARTER	480, 3φ	1 1/2 HP NOTE 1.
11	PANEL "HE"						
12	TRANSFORMER "E"						
13	PANEL "LE"						
14	PUMP P-3	400, 3φ	10 HP				
15	PUMP P-4	400, 3φ	10 HP				
16	PANEL "HR"						
17	BOILER CONTROL	120, 1φ					
18	FAN F-16	120, 1φ	1/2 HP				
19	FAN F-19	120, 1φ	1/2 HP				
20	PANEL "HF"						
21	ELEVATOR CONTROL RELAY	480, 3φ	3.0 KW				
22	HALL LANTERNS	120, 1φ	1.8 KW				
23	ELEVATOR #4	480, 3φ	59 A				
24	ELEVATOR #3	480, 3φ	59 A				
25	ELEVATOR #2	480, 3φ	59 A				



1/2" C. w/ 2 # 12 TO COND. WTR. MAKE-UP VALVE AT CENTRAL PLANT IN BASEMENT

125V, 20A, 1P NF DISC SWITCH
 L7B-36

DESIGNED BY	JRL
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DATE	7-24-75



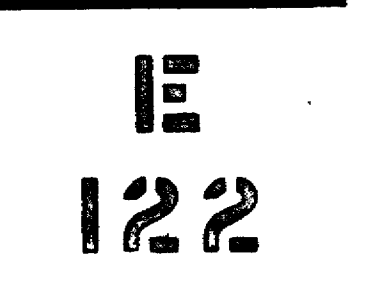
KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
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 CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON, TEXAS

REVISIONS	
1	7/14/77 APPROV. F-28 STARTER
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CHECKED BY	
PROJECT NO. 3606	
DATE 7-28-75	

ELECTRICAL ROOF PLAN LIGHTING & POWER

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME





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HOUSTON, TEXAS 77002
200 SOUTHWEST TOWER
HOUSTON, TEXAS 77027

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
2727 WESLAVAN
HOUSTON, TEXAS 77027

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAU & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING

HOUSTON TEXAS

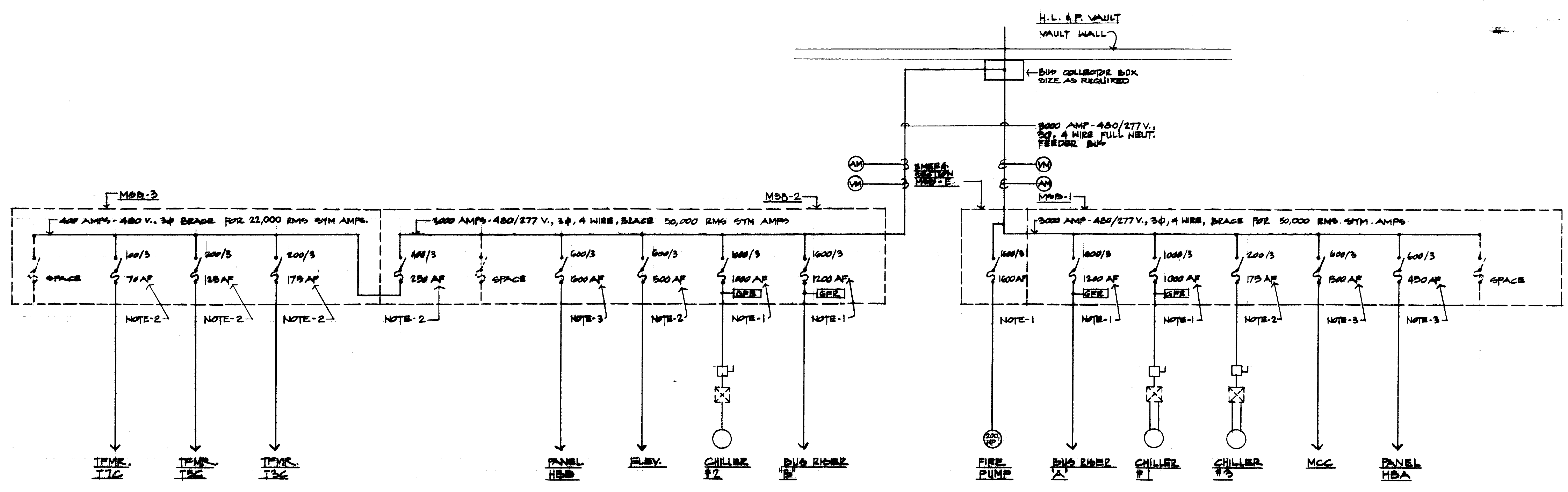
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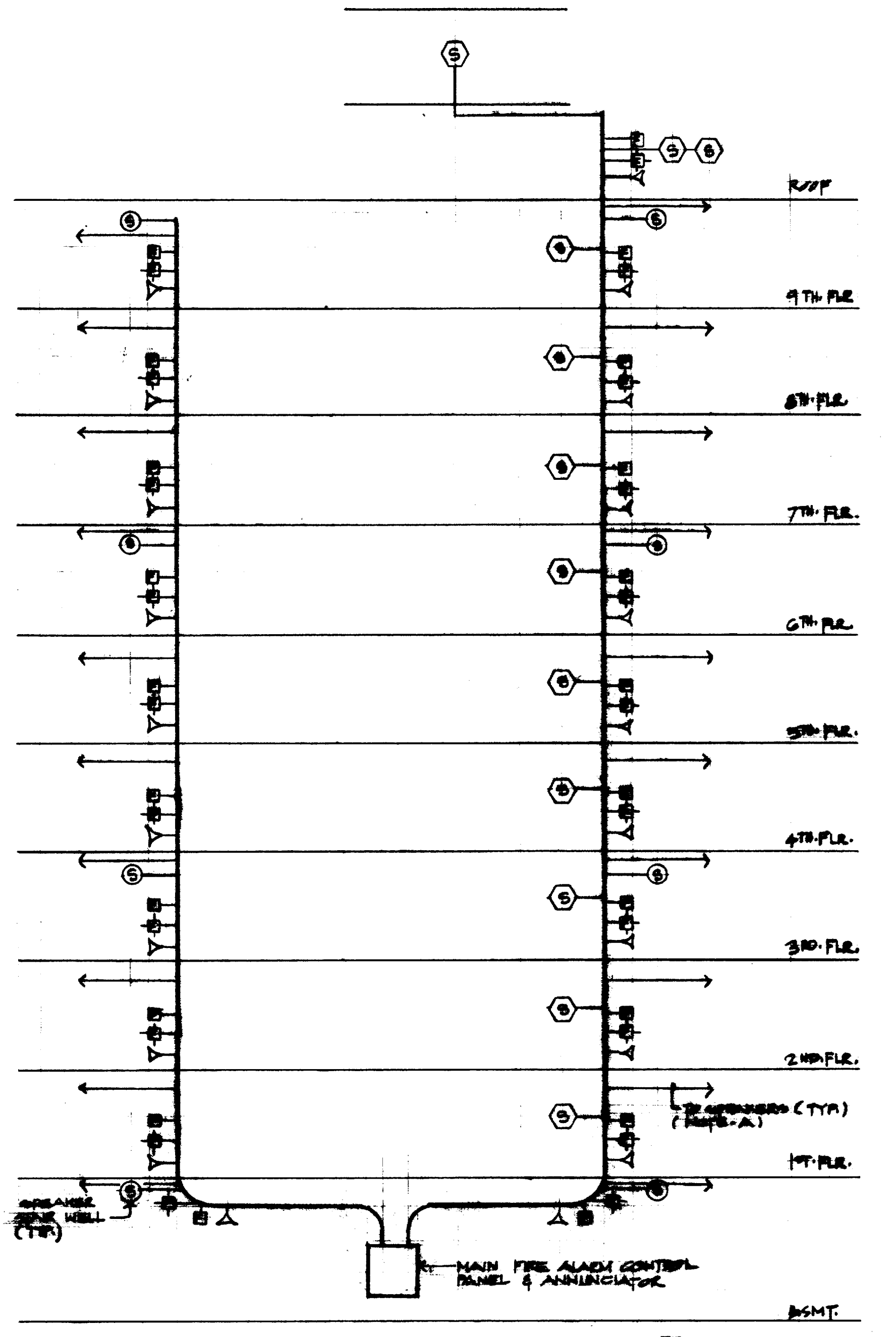
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DATE 7-28-75

ELECTRICAL ONE LINE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



ONE LINE DIAGRAMS
(SEE RIBER DIAGRAM FOR ALL WIRE SIZES)



ELECTRICAL LOAD ANALYSIS

- LIGHTING**
 - A. TUNNEL ----- 18,650 VA
 - B. GARAGE ----- 10,104 VA
 - C. EXTERIOR ----- 22,500 VA
 - D. BUILDING CORRIDORS, STORAGE & UTILITY AREA
59,768 SQ. FT. x .5 W/SQ. FT. = ----- 29,884
 - E. BUILDING OFFICES
198,947 SQ. FT. x .5 W/SQ. FT. = ----- 994,735
 - F. TOTAL LIGHTING ----- 1,075.8 KVA
- RECEPTACLES**
288,718 GROSS SQ. FT. x 1.8 VA/SQ. FT. = ----- 465.6 KVA
- MISCELLANEOUS EQUIPMENT**
 - A. BASE BOARD HEATERS ----- 44.2 KW
 - B. DUCT HEATERS ----- 40.0 KW
 - C. WATER HEATERS ----- 36.0 KW
 - D. TOTAL MISCELLANEOUS - 120.2 KW x 1.0 P.F. = ----- 120.2 KVA
- ELEVATORS**
 - A. 8 AT 53 A - 424 A
 - B. 1 AT 30 A - 30 A
 - 454 A x .51 = 231.5 A
 - 231.5 A x (480 V x $\sqrt{3}$) = ----- 192.1 KVA
- MOTORS**
 - A. YMW COIL UNITS (277 V)
2 @ 3.15 KVA = ----- 6.30 KVA
5 @ 6.2 KVA = ----- 31.00 KVA
 - B. MISCELLANEOUS (480 V)
2 @ 3/4 HP = ----- 2.32 KVA
3 @ 1 HP = ----- 4.48 KVA
1 @ 1 1/2 HP = ----- 2.15 KVA
2 @ 2 HP = ----- 5.64 KVA
2 @ 2 1/2 HP = ----- 8.63 KVA
3 @ 3 HP = ----- 11.95 KVA
4 @ 5 HP = ----- 37.94 KVA
3 @ 7 1/2 HP = ----- 27.39 KVA
5 @ 10 HP = ----- 58.10 KVA
5 @ 15 HP = ----- 87.15 KVA
1 @ 20 HP = ----- 116.40 KVA
1 @ 25 HP = ----- 124.40 KVA
1 @ 30 HP = ----- 132.40 KVA
2 @ 40 HP = ----- 164.80 KVA
2 @ 50 HP = ----- 207.20 KVA
4 @ 29.1 KVA = ----- 116.40 KVA
1 @ 21.4 KVA = ----- 21.40 KVA
 - C. CHILLER #1 & #2 (480 V)
440 KW @ 1.41 FLA/KW = 620.4 FLA x (480 x $\sqrt{3}$) = ----- 1029.86 KVA
514.93 KVA x 2 = ----- 1029.86 KVA
 - D. CHILLER #3 (480 V)
75 KW @ 1.41 FLA/KW = 105.7 FLA x (480 x $\sqrt{3}$) = ----- 87.73 KVA
 - E. MOTOR TOTAL ----- 2230.50 KVA
- SUMMARY**
 - I. LIGHTING ----- 1075.8 KVA
 - II. RECEPTACLES ----- 465.6 KVA
 - III. MISCELLANEOUS ----- 120.2 KVA
 - IV. ELEVATORS ----- 192.1 KVA
 - V. MOTORS ----- 2230.5 KVA
 - VI. TOTAL ----- 4084.2 KVA OR 4920.7 AMPS
- CONCLUSION**
 - A. TOTAL LOAD - 4920.7 AMPS
 - B. CAPACITY OF SERVICE CONDUCTORS = 5000 AMPS PER PHASE
 - C. SERVICE CONDUCTORS EXCEED NECESSARY REQUIREMENTS

- ELECTRICAL NOTES:**
1. PRINGLE SWITCH WITH BUSS HI-GAP, KEP-C FUSES & SHUNT TRIP.
 2. G.E. CAME SWITCH WITH BUSS FPN, DUAL ELEMENT FUSES
 3. G.E. CAME SWITCH WITH BUSS KTB, LIMITON FUSES

MOTOR CONTROL CENTER

480 VOLTS, 3 PHASE, 3 WIRE, 000 AMPS, 60 HERTZ
BUS BRACING - 22,000 AMPS RMS SYMMETRICAL
MINIMUM I/R FOR PROTECTION DEVICES 14,000 AMPS RMS SYMMETRICAL
NEMA CLASS I WIRING TYPE B CONTROL VOLTAGE 120

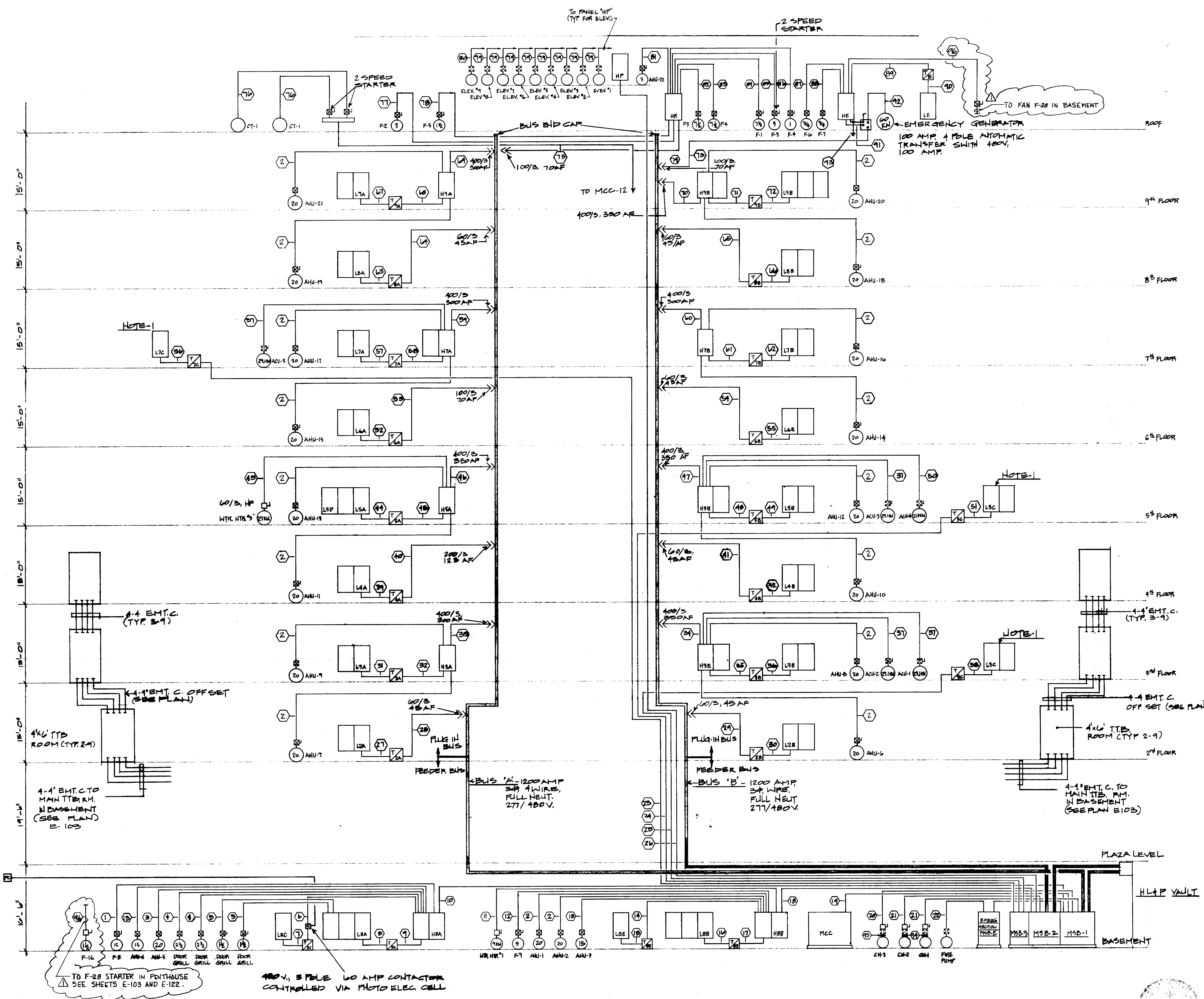
CIRC. NO.	LOAD	HP	FLA	PROTECTION (AMPS)		MAGNETIC STARTER	CABLE AND CONDUIT
				BRKR TRIP	SWITCH & FUSE		
1	PUMP P-6	40	52	100/3			SEE SHT. E-123
2	PUMP P-5	40	52	100/3		3	
3	PUMP P-2	30	40	80/3		3	
4	PUMP P-1	30	40	80/3		3	
5	PUMP P-8	5	7.6	15/3		0	
6	PUMP P-7	10	14	40/3		1	
7	AHU #25	3	4.8	15/3		0	
8	REFRIGERANT PUMP	2	3.4	15/3		0	
9	LOCKY PUMP	5	7.6	15/3		0	
10	SEWAGE EJECTOR	7 1/2	11	30/3		1	
11	SEWAGE EJECTOR	7 1/2	11	30/3		1	
12	COOLING TOWER FAN#2	2-40	104	175/3		*	SEE DIAGRAM, SHT. E-
13	HOUSE PUMP	20	27	60/3		2	SEE SHT. E-123
14	HOUSE PUMP	20	27	60/3		2	

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JRL
CHECKED BY
ML
DATE
LP
7-24-75

FEEDER SCHEDULE						
MK.	VOLT.	SETS	CONDUCTORS	TYPE	CONDUIT	EQUIP SERVED
			N _R	SIZE		
1	480	1	3	10	1/2"	FAN F-8
2	480	1	3	8	3/4"	AHU #1 & 2-21
3	480	1	3	8	3/4"	AHU #5
4	480	1	3	12	1/2"	DOOR GRILL
5	208	1	3	12	1/2"	DOOR GRILL
6	480	1	3	8	3/4"	XFMR 'DC'
7	208	1	4	2	1 1/4"	PANEL 'LDC'
8	208	2	4	350 MCM	3" EA.	PANEL 'LBA'
9	480	1	3	8	3/4"	XFMR 'BA'
10	480	2	4	1/0	2"	PANEL 'HBA'
11	480	1	3	12	1/2"	WATER HTR #1
12	480	1	3	12	1/2"	FAN F-9
13	480	1	3	10	3/4"	AHU #3, 14
14	480	1	3	8	3/4"	XFMR 'DB'
15	208	1	4	2	1 1/4"	PANEL 'LBB'
16	208	2	4	350 MCM	3" EA.	PANEL 'LDB'
17	480	1	3	1/0	2"	XFMR 'BB'
18	480	2	4	350 MCM	3" EA.	PANEL 'HBB'
19	480	2	3	250 MCM	2 1/2" EA.	MCC
20	480	1	3	4	1"	CH-1
21	480	2	3	100 MCM	3" EA.	CH-2 & 3
22	480	1	3	100 MCM	3"	FIRE PUMP
23	480	1	3	3	1"	XFMR '7C'
24	480	1	3	1	1 1/4"	XFMR '5C'
25	480	1	3	2/10	1 1/2"	XFMR '3C'
26	480	2	3	3/0	2" (EA.)	PANEL 'HP'
27	208	1	4	2	1 1/4"	PANEL 'L2A'
28	480	1	3	8	3/4"	XFMR '2A'
29	480	1	3	8	3/4"	XFMR '2B'
30	208	1	4	2	1 1/4"	PANEL 'L2B'
31	208	1	4	2	1 1/4"	PANEL 'L2A'
32	480	1	3	8	3/4"	XFMR '3A'
33	480	1	4	3	3"	PANEL 'H3A'
34	480	1	4	3	3"	PANEL 'H3B'
35	180	1	3	2	3/4"	PANEL 'L3B'
36	208	1	4	2	1 1/4"	PANEL 'L3B'
37	180	2	3	6	1"	ACU L2B3
38	208	2	3	3/0	2" (EA.)	PANEL 'L3C'
39	208	1	4	350 MCM	3"	PANEL 'L4A'
40	480	1	3	1	1 1/4"	XFMR '4A'
41	480	1	3	8	3/4"	XFMR '4B'
42	208	1	4	2	1 1/4"	PANEL 'L4A'
43	480	1	3	6	1"	WATER HTR #3
44	208	2	4	3/0	2" (EA.)	PANEL 'L4B' & 'L4C'
45	480	1	3	2/0	1 1/2"	XFMR '5A'
46	480	1	4	500 MCM	3 1/2"	PANEL 'H5A'
47	480	1	4	500 MCM	3 1/2"	PANEL 'H5B'
48	480	1	3	8	3/4"	XFMR '5B'
49	208	1	4	2	1 1/4"	PANEL 'L5B'
50	180	1	3	8	3/4"	ACU-4
51	208	1	3	550 MCM	3"	PANEL 'L5C'
52	208	1	4	2/0	2"	PANEL 'L6A'
53	480	1	3	4	1"	XFMR '6A'
54	480	1	3	4	1"	XFMR '6B'
55	208	1	3	2	1 1/4"	PANEL 'L6B'
56	208	1	3	2/0	1 1/2"	PANEL 'L7A'
57	208	1	4	2	1 1/4"	PANEL 'L7A'
58	480	1	3	8	3/4"	XFMR '7A'
59	480	1	4	550 MCM	3"	PANEL 'H7A'
60	480	1	4	550 MCM	3"	PANEL 'H7B'
61	480	1	3	8	3/4"	XFMR '7B'
62	208	1	4	2	1 1/4"	PANEL 'L7B'
63	208	1	4	2	1 1/4"	PANEL 'L8A'
64	480	1	3	8	3/4"	XFMR '8A'
65	480	1	3	8	3/4"	XFMR '8B'
66	208	1	4	2	1 1/4"	PANEL 'L8B'
67	208	1	4	2/0	2"	PANEL 'L9A'
68	480	1	3	4	1"	XFMR '9A'
69	480	1	4	550 MCM	3"	PANEL 'H9A'
70	480	1	4	550 MCM	3"	PANEL 'H9B'
71	480	1	3	3/0	2"	XFMR '9B'
72	208	2	4	3/0	2" (EA.)	PANEL 'L9B'
73	480	1	4	4	1 1/2"	TRANSFORMER
74	480	1	3	4	1 1/2"	PANEL 'HR'
75	480	1	3	1	1 1/2"	WIROWAY
76	480	1	3	1	1 1/2"	CT, 1, 12
77	480	1	3	12	1/2"	FAN F-2
78	480	1	3	12	1/2"	FAN F-3
79	480	1	3	4	1"	ELEV #1-8
80	480	1	3	8	3/4"	AHU #22
81	480	1	3	12	1/2"	PUMP #R3
82	480	1	3	12	1/2"	PUMP #R4
83	480	1	3	12	1/2"	FAN F-1
84	480	1	3	12	1/2"	FAN F-3
85	480	1	3	12	1/2"	FAN F-4
86	480	1	3	12	1/2"	FAN F-6
87	480	1	3	12	1/2"	FAN F-7
88	480	1	3	12	1/2"	XFMR 'E'
89	480	1	3	12	1/2"	PANEL 'LE'
90	480	1	3	12	1/2"	PANEL 'HE'
91	480	1	3	12	1/2"	TRANSWITCH
92	480	1	3	12	1/2"	CHILLER #2
93	480	1	3	12	1/2"	CHILLER #5
94	480	2	3	1/0	2" EA.	FAN F-28
95	480	1	3	4	1"	FAN F-28
96	480	1	3	10	1"	FAN F-28

ELECTRICAL NOTES:

1. COLLECT EACH COMPUTER BRANCH CIRCUIT GROUND WIRE RUN 1 (GREEN) GROUND WIRE TO COLD WATER PIPE GROUND. PANEL CABINET SHALL BE GROUNDED TO THE BUILDING STEEL WITH SEPARATE GROUND CONDUCTOR.



JRL
ML
TJ
7-28-75

KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
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WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

1	14 SEPT 77	ADD PAN F-28 AND STARTER
2		
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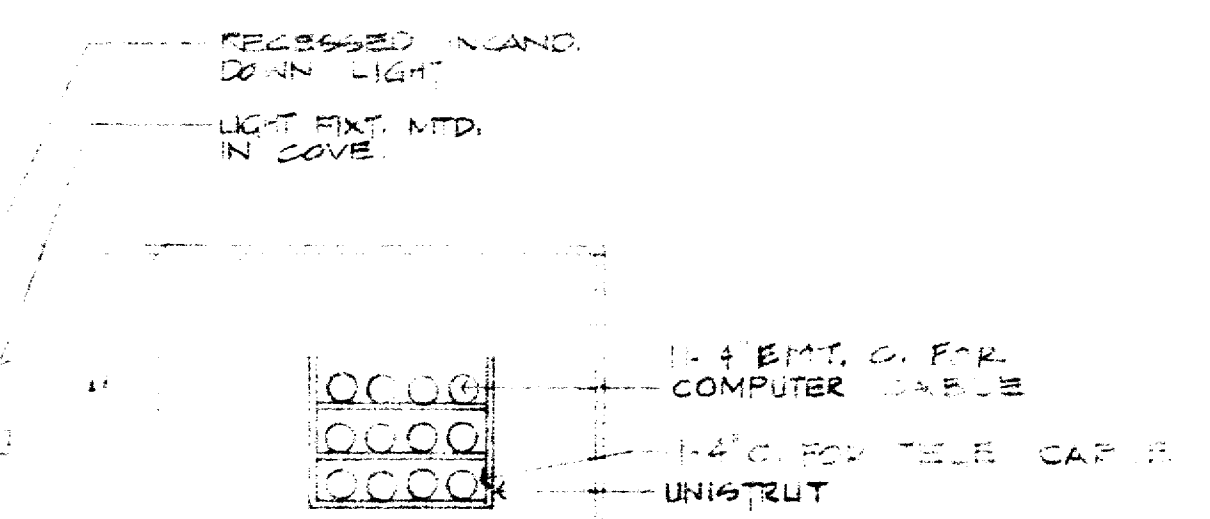
DRAWN BY
CHECKED BY
PROJECT NO. 3506
DATE 7-28-75

ELECTRICAL RISER

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

125

ELECTRICAL NOTES
 1. ALL 4'-0" LIGHT FIXT. SHOWN IN COVE SHALL BE TYPE "R" & ALL 3'-0" LIGHT FIXT. SHOWN IN COVE SHALL BE TYPE "C".



2) SECTION THRU TUNNEL
 E-126 SCALE: 1/2"=1'-0"

SEE ARCH. SHT. A105A FOR REVISED LAYOUT OF "Y" FIXTURES

TERMINATE ONE 277V, 1Ø CTR. IN JCT. BOX FOR FUTURE CONNECTION TO EMERGENCY LIGHTS IN EXISTING TUNNEL.

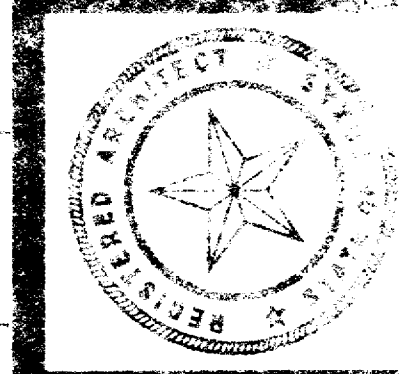
CONDUIT SHALL BE RUN OVER EXISTING TUNNEL & TERMINATED @ EXISTING 12'-4" IN EXISTING TUNNEL.

277V, 3ØA, 1Ø W.P. DISC. SWITCH (TYP.)
 HBB-32, 34, 36
 PUMP OUTLET
 CABLE PULL BOX 36" X 36" X 20"

FOR CONT. SEE SHT. E-105.

1) TUNNEL PLAN
 E-125 SCALE: 1/4"=1'-0"

3) ALTERNATE TUNNEL PLAN
 E-127 SCALE: 1/4"=1'-0"



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 HOUSTON, TEXAS 77002
 2727 WESLAVAN
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHERRILL & BRACY CONSULTING ENGINEERS

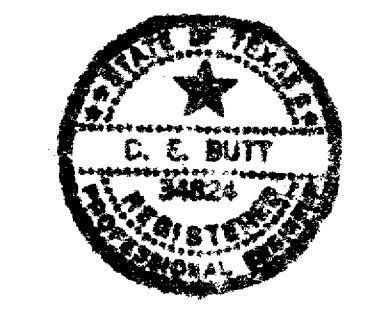
HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON, TEXAS

REVISIONS
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 DATE 7-28-75

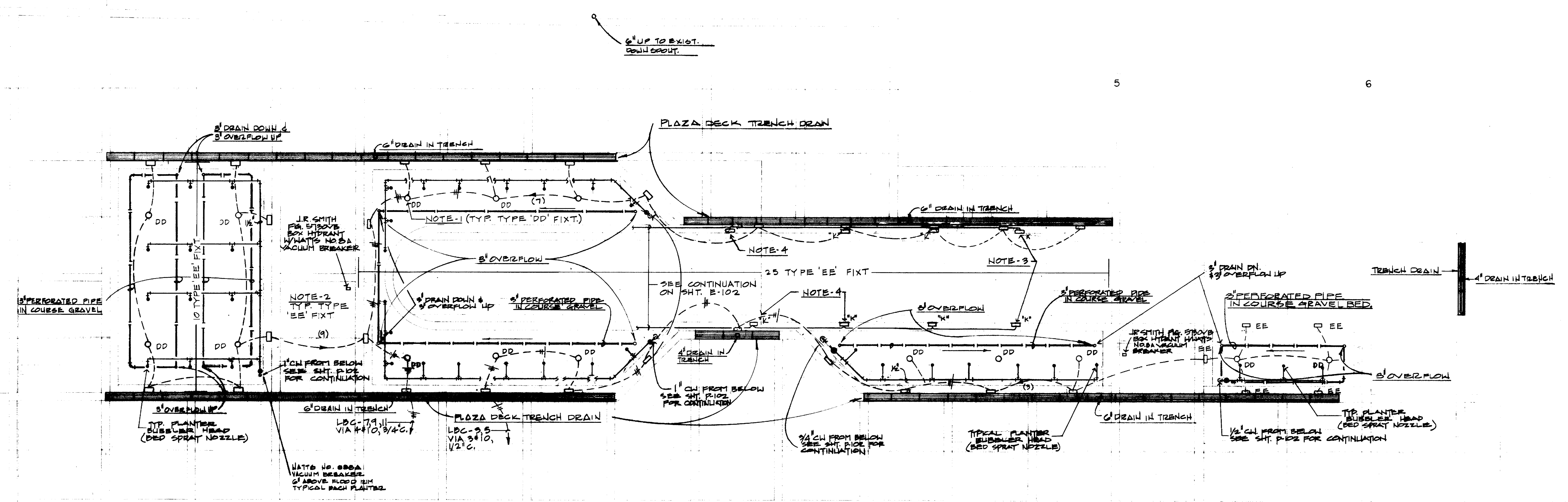
ELECTRICAL TUNNEL PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME.



128

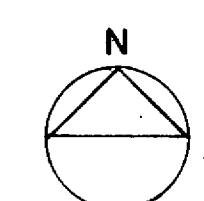
- ELECTRICAL NOTES:**
1. COORDINATE EXACT LOCATION OF TREE LIGHTING WITH TREE LOCATION.
 2. LOCATE TYPE 'EE' FIXT. IN BRICK SPACE MIDWAY BETWEEN TOP OF WALL & SIDEWALK.
 3. MOUNT FIXT. 1'-0" ABOVE CURB IN WALL.
 4. MOUNT FIXT. 2'-0" ABOVE CURB IN WALL.



NOTE:
1. BED SPRAY NOZZLE - HEATSEALING (FIG. 105) W. SCRUB BODY (FIG. 95)

FIRE DEPT. SIAMESE CONN.

FIRE DEPARTMENT SIAMESE CONN.



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

LOCKED BY
JRL
DESIGNED BY
ML, TT
DRAWN BY
TT, MB
DATE
7-24-75



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CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

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DRAWN BY
CHECKED BY
PROJECT NO. 3506
DATE 7-23-75

ELECTRICAL LIGHTING & PLUMBING
PLAZA PLANTER DRAINAGE PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

EP 127



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 200 SOUTHWEST TOWER
 HOUSTON, TEXAS 77002

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 HOUSTON, TEXAS 77087

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**HARRIS COUNTY
 ADMINISTRATION BUILDING**
 HOUSTON, TEXAS

REVISIONS	
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DRAWN BY
 CHECKED BY
 PROJECT NO. 3526
 DATE 7-28-75

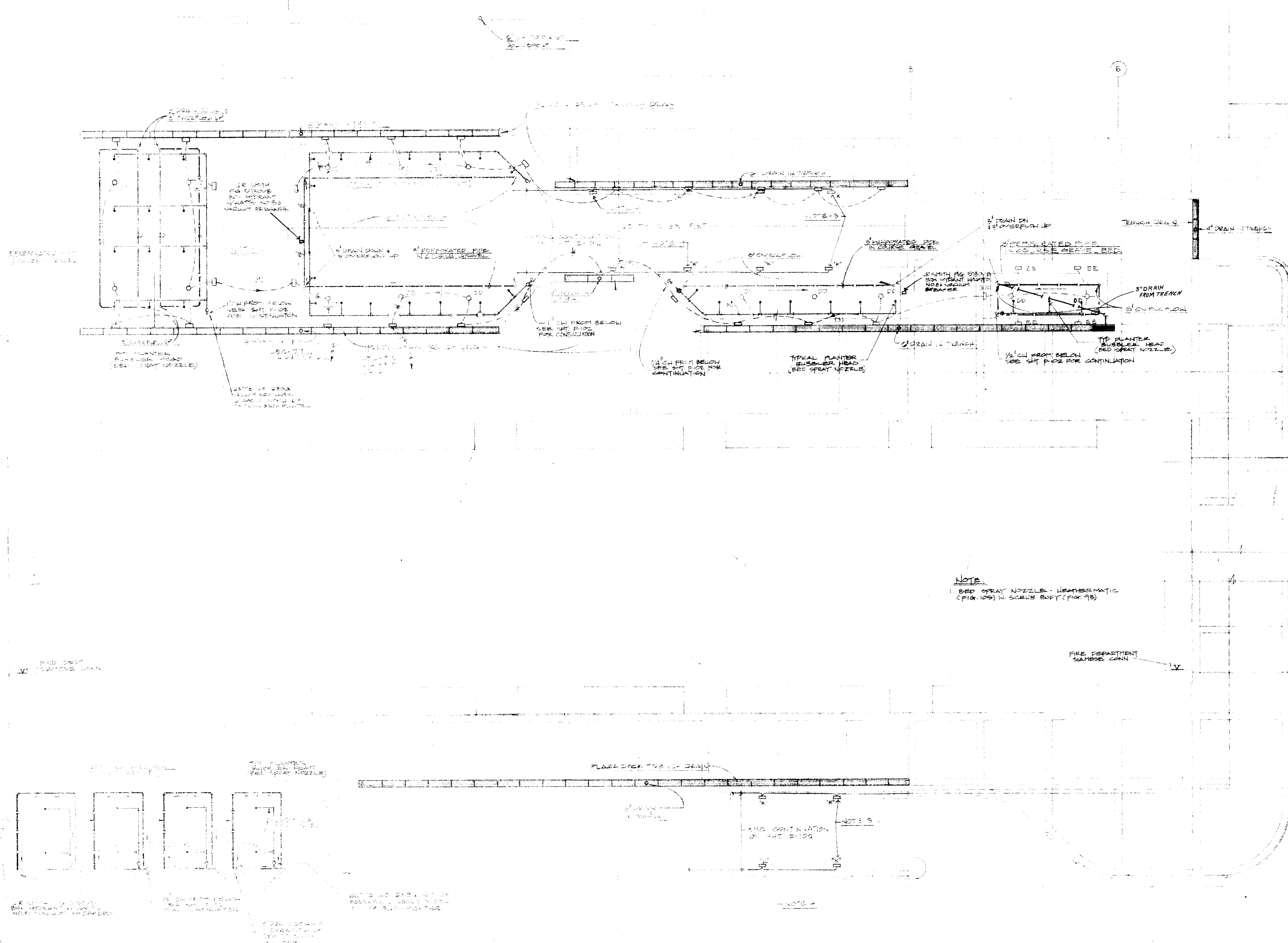
ELECTRICAL-
 LIGHTING &
 PLUMBING

PLAZA
 PLANTER
 DRAINAGE PLAN

CONTRACTOR SHALL
 VERIFY ALL DIMENSIONS
 AT JOB SITE AND BE
 RESPONSIBLE FOR SAME

**EP
 127**

- ELECTRICAL NOTES**
1. LOCATE EXACT LOCATION OF TREE
 2. LOCATE TYPE REE EXT. SIGNAL WAVE
 3. MOUNT FIXTURE APPROXIMATE IN WALL
 4. MOUNT FIXTURE 2'-0" ABOVE CEILING IN WALL



NOTE
 1. BED SPRAY NOZZLE - HEATHERMATIC (FIG. 105) W/ SCRUB BOFF (FIG. 93)

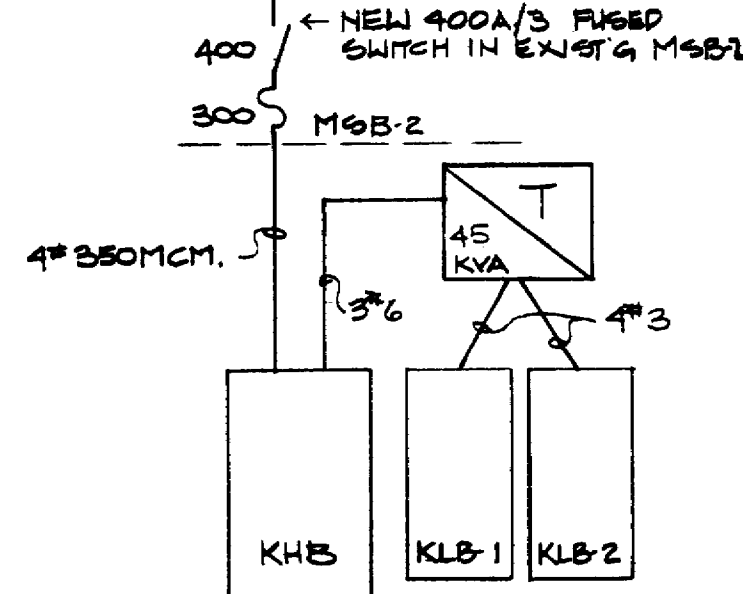
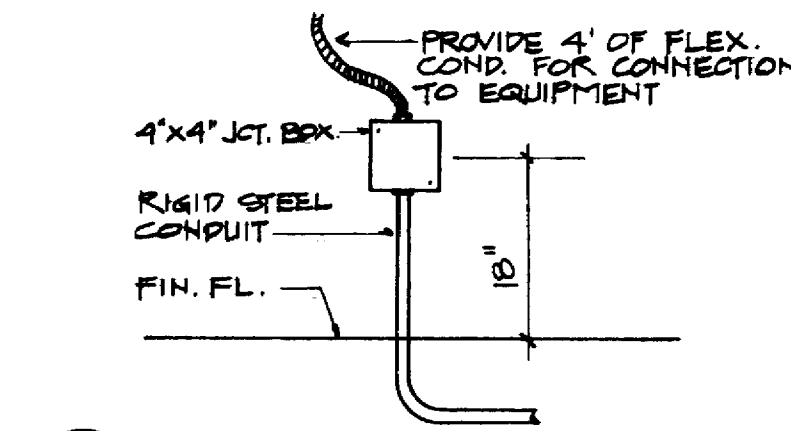
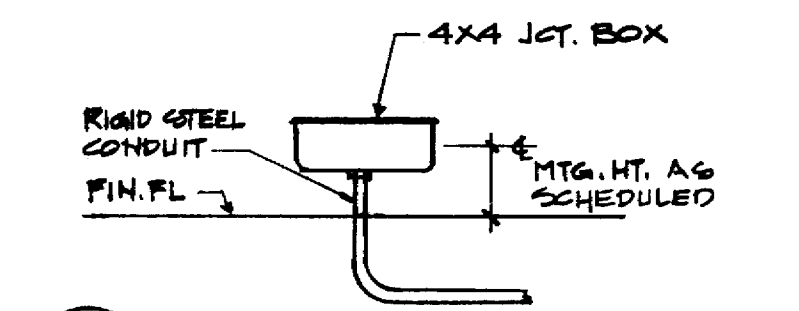
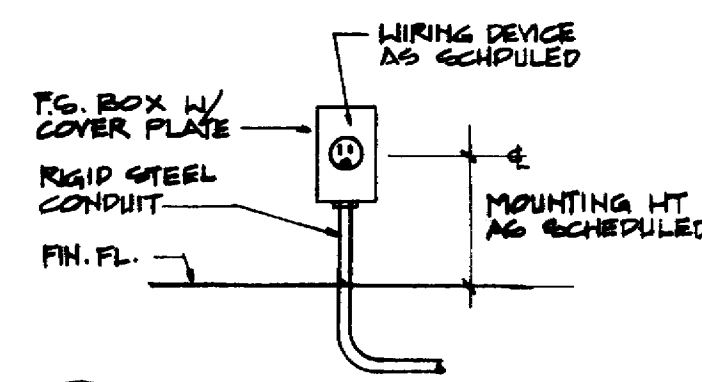
SCALE: 1/8" = 1'-0"

DATE	7-24-75
BY	EP
CHECKED BY	EP
PROJECT NO.	3526
DRAWING NO.	127

As Built Dwg.



Checked

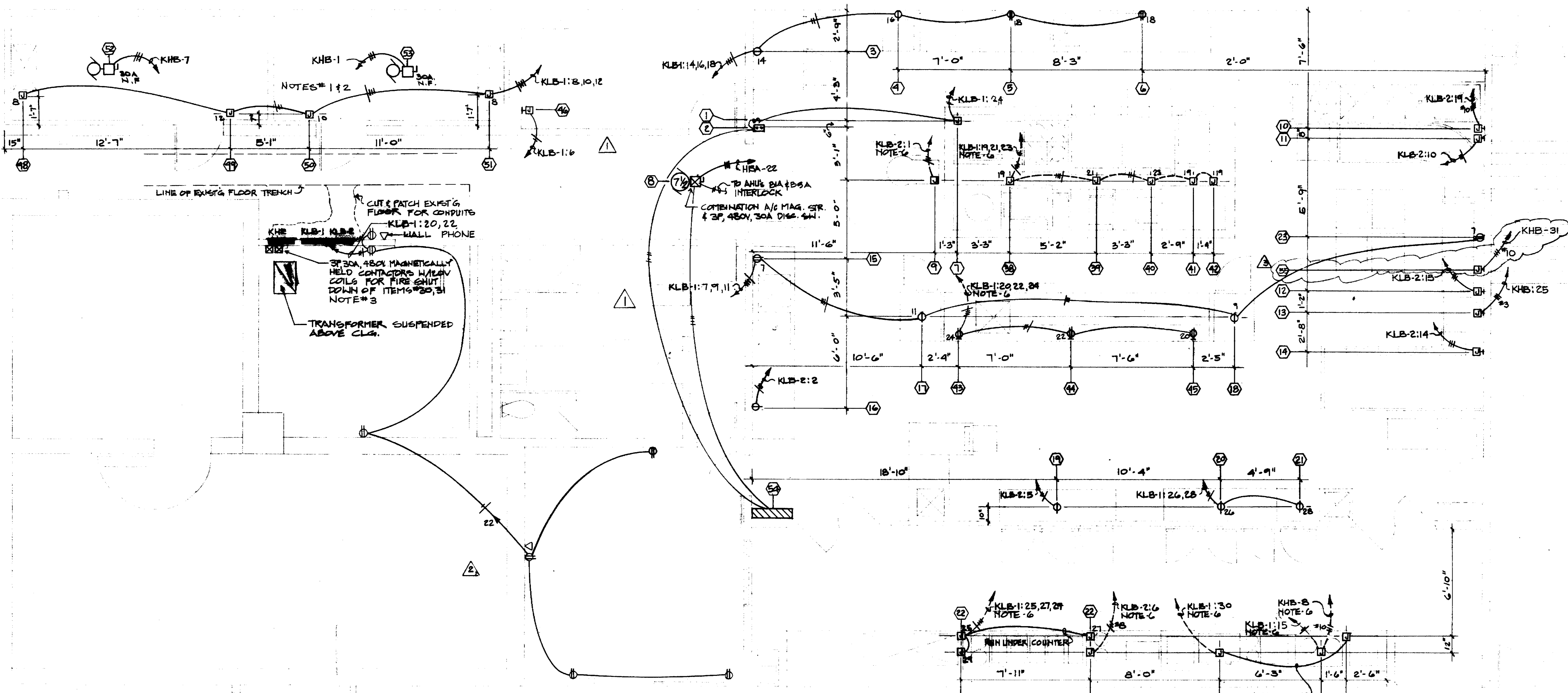


ONE LINE DIAGRAM

NO.	DESCRIPTION	VOLTAGE	MTG	EQUIPMENT SERVED	REMARKS
1	WALL SWITCH	120	54"	HOOD LIGHTS #1	
2	EXHAUST FAN W/RUN LT.	480V, 3Ø	54"	EXH. HOOD #8	
3	HUBBELL #5361	120	90"	REFRIGERATOR	
4	HUBBELL #5361	120	36"	MIXER	
5	HUBBELL #5362	120	48"	CONV. OUTLET	
6	HUBBELL #5362	120	48"	CONV. OUTLET	
7	JCT. BOX	120	CLG.	HOOD LIGHTS	
8	EXH. HOOD FAN	480V, 3Ø	CLG.	COOKING HOOD	
9	HUBBELL #8410 IFS BOX	208V, 1Ø	6"	MIXER	REF. DTL. 'A'
10	WALL JCT. BOX	208V, 3Ø	12"	SINK HEATER	
11		208V, 1Ø	12"	DISHWASHER	
12		208V, 3Ø	12"	DISHWASHER	
13		480V, 3Ø	12"	BOONER HEATER	
14		208V, 3Ø	12"	DISHWASHER	
15	HUBBELL #5362	120	48"	CONV. OUTLET	
16	HUBBELL #8410 WALL OUTLET	208V, 1Ø	48"	FOOD CUTTER	
17	HUBBELL #5361	120	CLG.	REFRIGERATOR	
18	HUBBELL #5361	120	CLG.	REFRIGERATOR	
19	HUBBELL #8410	208V, 1Ø	CLG.	REFRIGERATOR	
20	HUBBELL #5361	120	CLG.	REFRIGERATOR	
21	HUBBELL #5361	120	CLG.	REFRIGERATOR	
22	HUBBELL #5361 IFS BOX	120	5"	PLATE DISPENSER	REF. DTL. 'A'
23	HUBBELL #5362	120	7'-0"	CONV. OUTLET	
24	FLOOR JCT. BOX	120	3"	COLD PAN	REF. DTL. 'B'
25		208V, 1Ø	3"	HOT FOOD WELL	
26		120	3"	MILK DISPENSER	
27		480V, 3Ø	3"	COFFEE MAKER	
28		120	3"	ICE BIN	
29	HUBBELL #5361	120	12"	SANDWICH UNIT	
30	WALL JCT. BOX	480V, 3Ø	42"	FRYER	
31				GRILL	
32		208V, 1Ø		SOUP WELL	
33				HOT PLATE	
34	HUBBELL #5361	120	48"	ROLL-A-GRILL	
35	HUBBELL #5362	120	48"	CONV. OUTLET	
36	WALL JCT. BOX	120	12"	DISPENSERS	
37	HUBBELL #5362	120	42"	CASH RECEIPTS	
38	FLOOR JCT. BOX	120	18"	PRESSURE COOKER	REF. DTL. 'C'
39				CONVECTION OVEN	
40				STEAM COOKER	
41				SKILLET	
42	HUBBELL #5362	120	36"	CONV. OUTLET	IN COUNTER TOP
43					
44					
45					
46	WALL JCT. BOX	120	12"	WATER HEAT. PAN & PUMP	
47	NOT USED				
48	CLG. JCT. BOX	120	CLG.	COOLER COIL	
49				COOLER LIGHTS	
50				COOLER LIGHTS	
51				COOLER COIL	
52	30A. N.F. DISC. SW.	480V, 3Ø		COOLER COMP.	
53	30A. N.F. DISC. SW.	480V, 3Ø		COOLER COMP.	
54	30A. N.F. DISC. SW. ENCL.	120	48"	EXHAUST HOOD #8	
55	WALL JCT. BOX	480V, 3Ø	12"	DISHWASHER HEATER	

PHL TYPE	MOUNTG	VOLTAGE	MIN BUS	MAIN AMP	BREAKER	NO. & SIZE OF BREAKERS	SPACES	TOTAL # OF POLES
KHB NBS	FLUSH	480V, 3Ø	400			1-70/3, 1-90/3, 6-20/3	9	42
KLB NBS	FLUSH	208V, 3Ø	100			28-20/1, 2-30/1	6	30
KLB NBS	FLUSH	208V, 3Ø	100			4-20/2, 2-20/3, 1-30/1	6	30

- GENERAL NOTES:
- WALK-IN COOLER & FREEZER COILS & FREEZER DEFROST TO BE WIRED THROUGH PREWIRED CONTROL PANEL ON COMPRESSORS, FREEZER DEFROST TO BE WIRED DIRECT.
 - CONTRACTOR SHALL RUN ALL INTERNAL WIRING TO LIGHTS, SWITCHES, EVAPORATORS OR COILS, DOOR HEATERS & ELECTRIC DEFROST FOR WALK-IN COOLER & FREEZER.
 - CONNECT 120V. CONTROL CIRCUIT FROM MICRO-SWITCH SYSTEM ON CYLINDER MOUNT TO HOLDING COIL ON CONTRACTORS.
 - CONNECT 120V. TO SOLENOID GAS VALVE ON GAS DROP. VALVE TO BE FURNISHED BY SUPPLIER OF FIRE EXTINGUISHING EQUIPMENT.
 - ELECTRICAL CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS NECESSARY FOR FINAL CONNECTION OF KITCHEN EQUIPMENT.
 - WHERE ELECTRICAL CONDUITS CAN NOT BE CONCEALED IN WALLS OR CEILINGS, CONDUITS SHALL BE RUN IN EXISTING PLUMBING FLOOR TRENCH. COORDINATE W/ OTHER TRADES TO MINIMIZE CUTTING AND PATCHING OF EXISTING FLOOR.



KITCHEN - ELECTRICAL - POWER PLAN
SCALE: 1/4" = 1' - 0"



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BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77007
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CONSULTING ENGINEERS
CHENAULT & BRADY

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

NO.	DATE	DESCRIPTION
1	1-17-76	KITCHEN
2	1-11-77	ADDED
3	1-20-78	ADDED

ELECTRICAL BASEMENT KITCHEN FLOOR PLAN POWER

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME



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HOUSTON, TEXAS 77027

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAUTY & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

REVISIONS

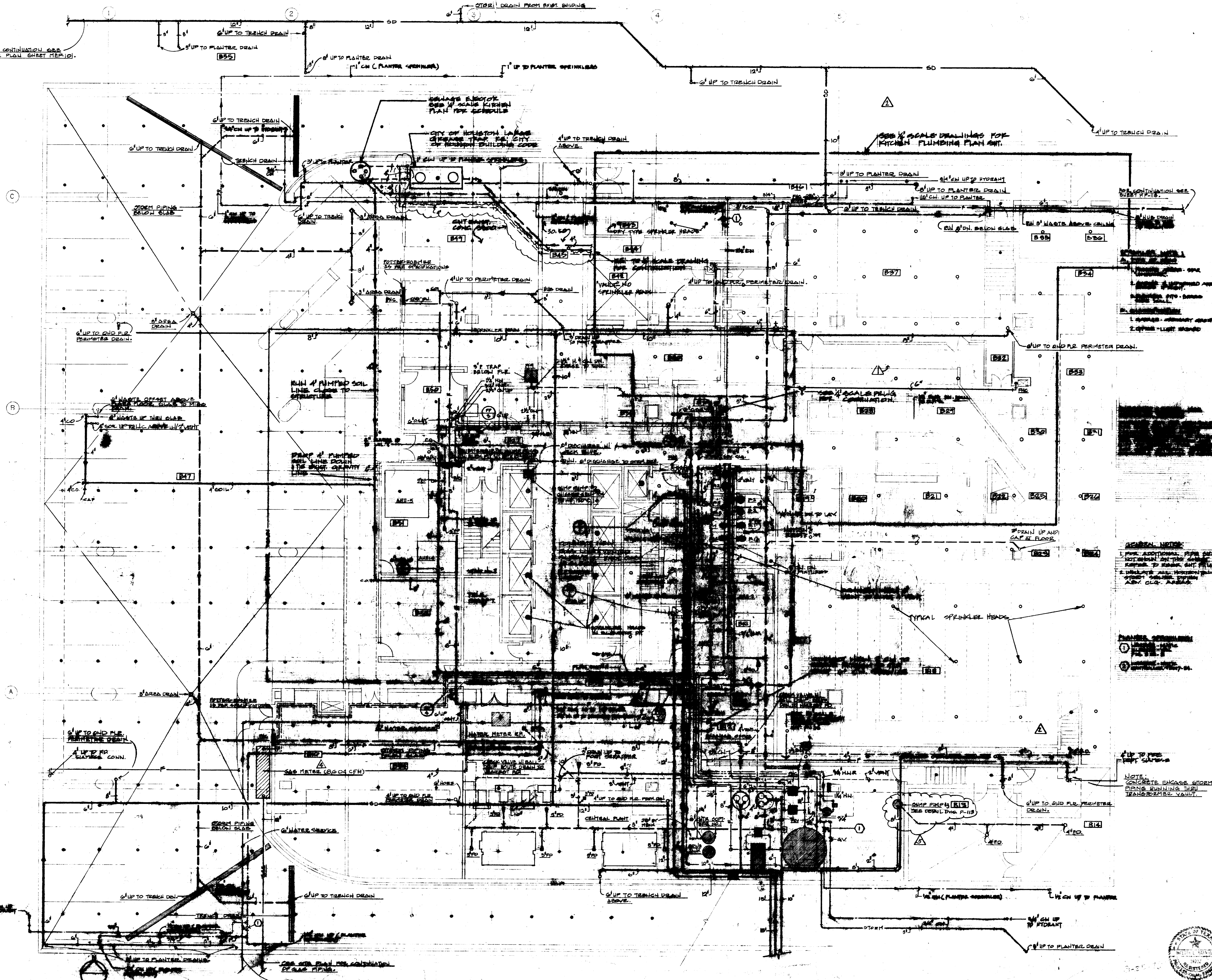
1	Rev. 11-14-77
2	Rev. 11-14-77
3	Rev. 11-14-77
4	Rev. 11-14-77
5	Rev. 11-14-77
6	Rev. 11-14-77

DRAWN BY
PROJECT NO. 5406
DATE 7-24-78

**PLUMBING
BASEMENT
FLOOR PLAN**

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

100



FOR CONTINUATION SEE
SITE PLAN SHEET HEP-101.

CHECKED BY
J.W.B.
DESIGNED BY
TT
DRAWN BY
M.D. L.P.
DATE
7-24-78

GENERAL NOTES:

1. FOR ADDITIONAL PIPE SIZES NOT SHOWN ON THIS PLAN REFER TO EXISTING AND NEW PLANS.
2. INCLUDE ALL HORIZONTAL PIPE SYSTEMS AND HANGERS.
3. ADV. C.L. - AS SHOWN.

PLUMBING SYMBOLS:

1. TRENCH DRAIN
2. AREA DRAIN

NOTE: CONCRETE ENCASE STORM DRAIN RUNNING THROUGH TRANSVERSE VAULT.



- GENERAL NOTES**
- PLUMBING CONTRACTOR TO FURNISH ALL LABOR & MATERIALS TO MAKE FINAL CONNECTIONS FROM SERVICE STUBS TO OUTLETS IN FIXTURES, INCLUDING ALL VALVES, FAUCETS AND TRAPS, ETC.
 - GAS DROP**
STUB OUT IN CEILING UNTIL HOOD IS HUNG. THEN DROP GAS IN THIS (THESE TWO) LOCATIONS. MAKE MANIFOLD BEHIND RANGE BATTERY. SUPPLY SEPARATE CUT OFFS FOR EACH APPLIANCE. IF PRESSURE REGULATOR REQUIRED, IT IS TO BE BY PLUMBING CONTRACTOR MANIFOLD 30" ABOVE FINISH FLOOR LINE.
 - DISPOSAL**
GO DIRECT TO SINK. DO NOT GO THROUGH GREASE TRAP. SLOPE LINE NOT LESS THAN 1/8" PER FOOT. FURNISH CLEAN-OUT IN CLOSE PROXIMITY. DISMANTLER WITH BOOSTER HEATER.
 - DISMANTLER WITH BOOSTER HEATER**
DISMANTLER TO CONSUME 510 G.P.H. AT 25 LBS. PRESSURE. PRESSURE REGULATOR TO BE WITH BOOSTER HEATER.
 - SCAP TROUGH**
TO BE CONNECTED THROUGH SOLENOID VALVE AT DISPOSER.
 - CITY HEALTH CODE DOES NOT ALLOW EXPOSED PIPES OR CONDUITS IN AREAS WHERE FOOD IS BEING PREPARED OR SERVED.
 - SLOPE MAIN DRAINAGE LINE 1/8" PER FOOT.
 - REFER TO GENERAL'S REST. SUP. CO. KITCHEN PLANS FOR ROUGH-IN HEIGHTS.
 - PLUMBING CONTRACTOR SHALL INSTALL PIPING & MAKE CONNECTIONS IN ACCORDANCE TO CITY OF HOUSTON PLUMBING CODE.
 - ALL WATER PIPING LOCATED BELOW FINISHED FLOOR SHALL BE SCOT DRAIN COMP. WITH NO JOINTS BELOW FINISHED FLOOR.

PLUMBING EQUIPMENT SCHEDULE

WATER HEATER: FVE NO. 720NSA250-G, 720,000 BTUH, 651 CFH RECOVERY @ 100° RISE, 250 GALLON STORAGE CAPACITY, NICKEL SHIELD TANK.

WATER HEATER CIRCULATING PUMP: BELL & GOSSET SERIES 75, 1/12 HP, 120/60AL, BRONZE CONSTRUCTION.

SEWAGE EJECTOR: CHICAGO NO. VCS NSC4, 1 1/2 HP, 50 GPM @ 30' TDH, 480/60/3, COMPLETE WITH AIR TIGHT COVER PLATE & SUPPLIES.

PLUMBING FEATURE SCHEDULE

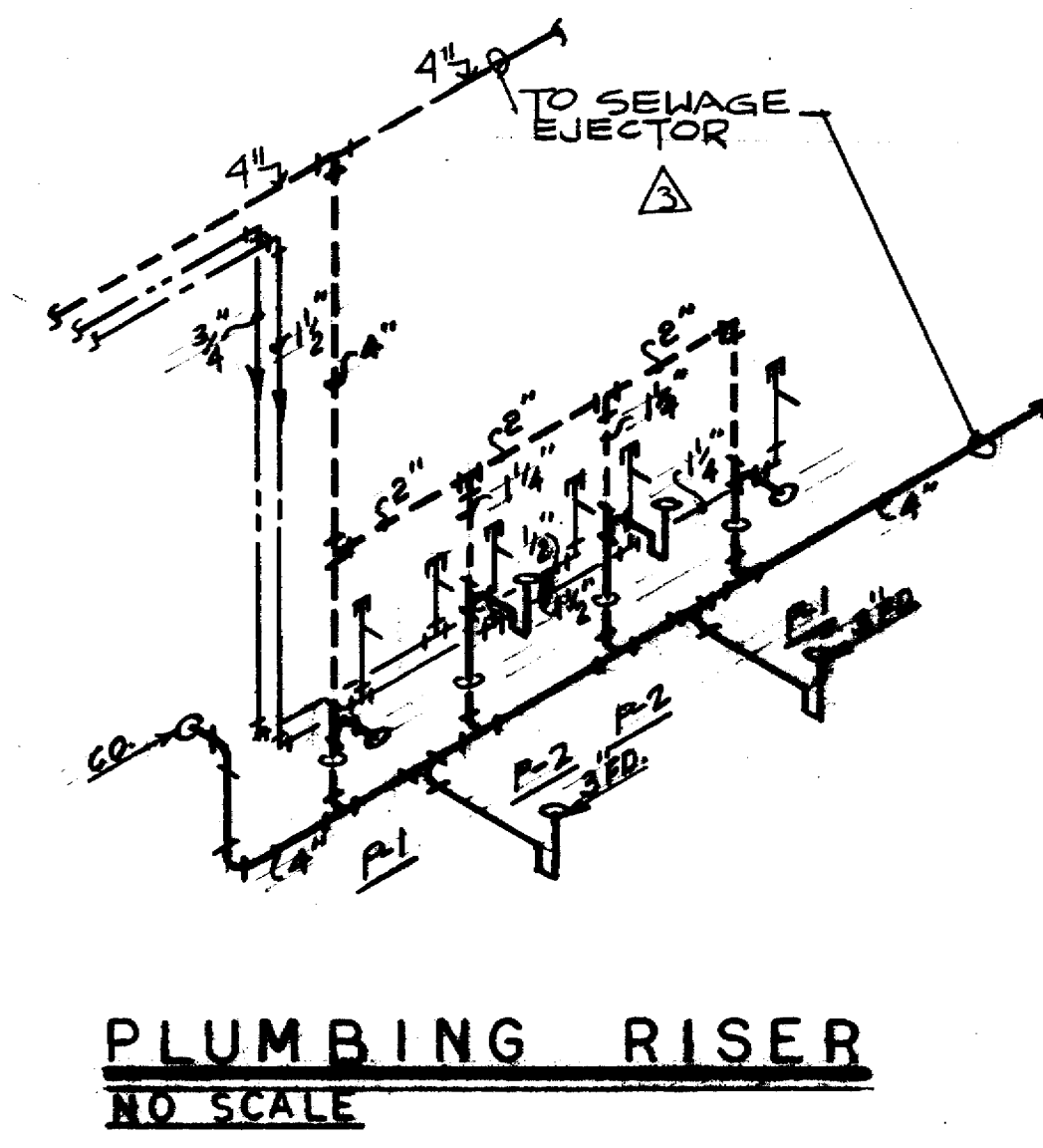
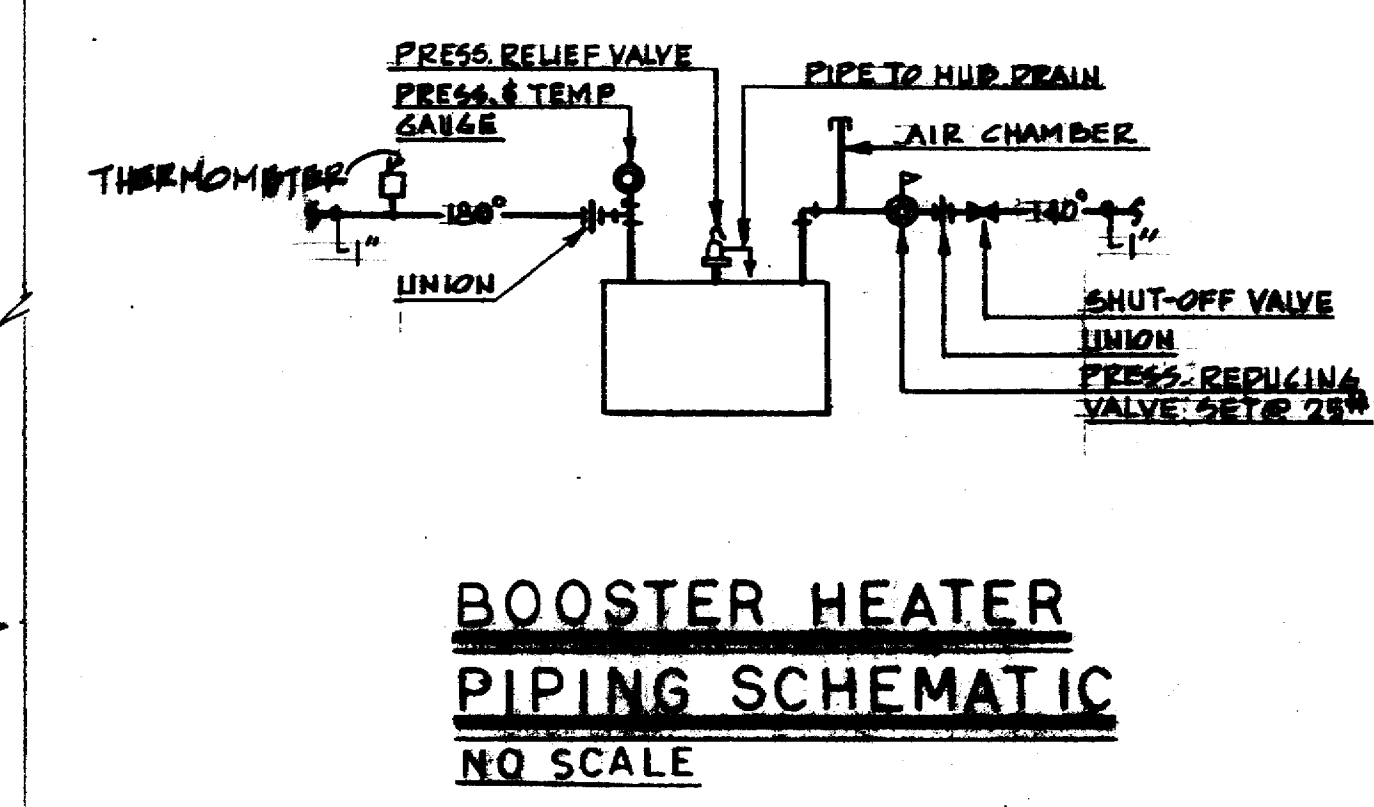
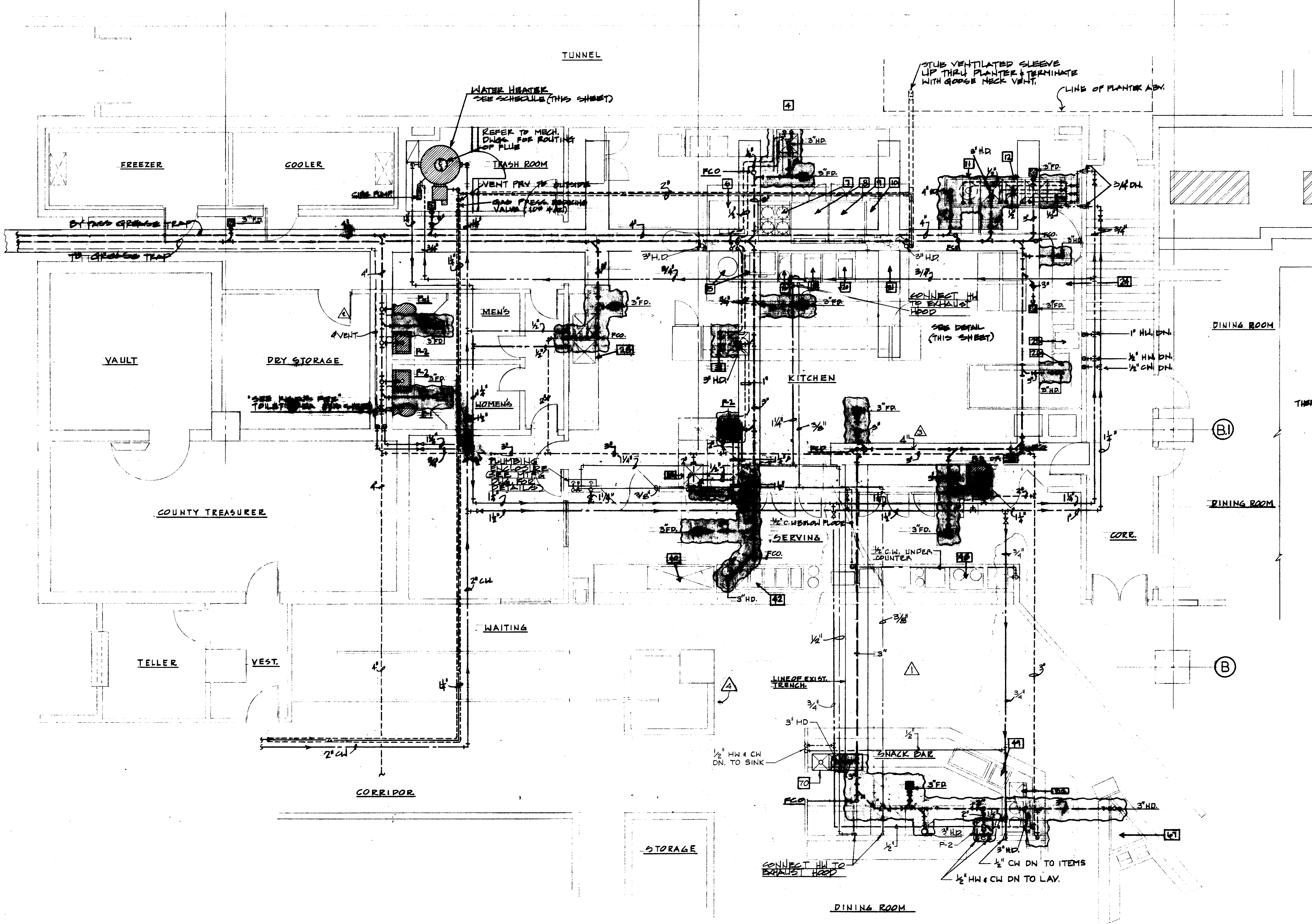
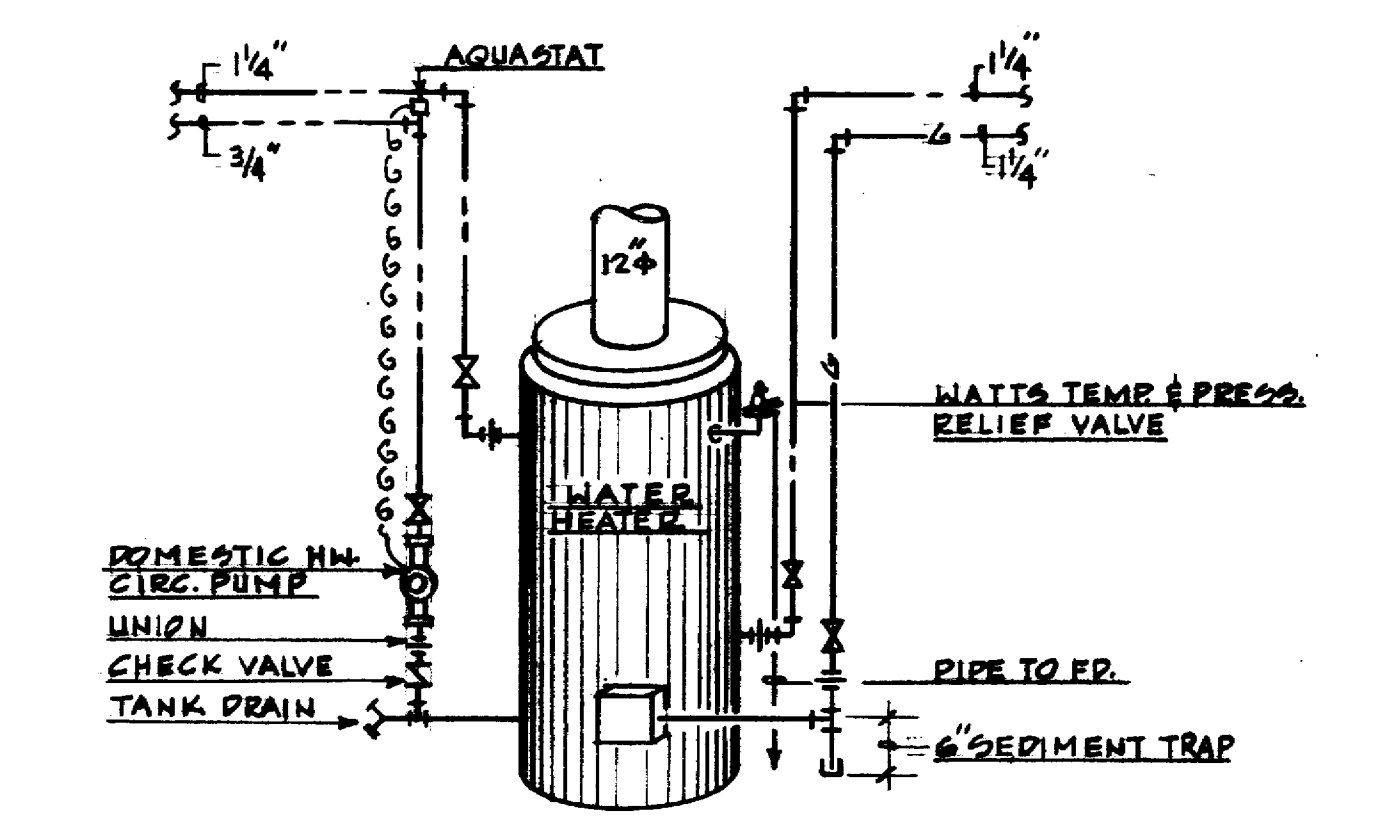
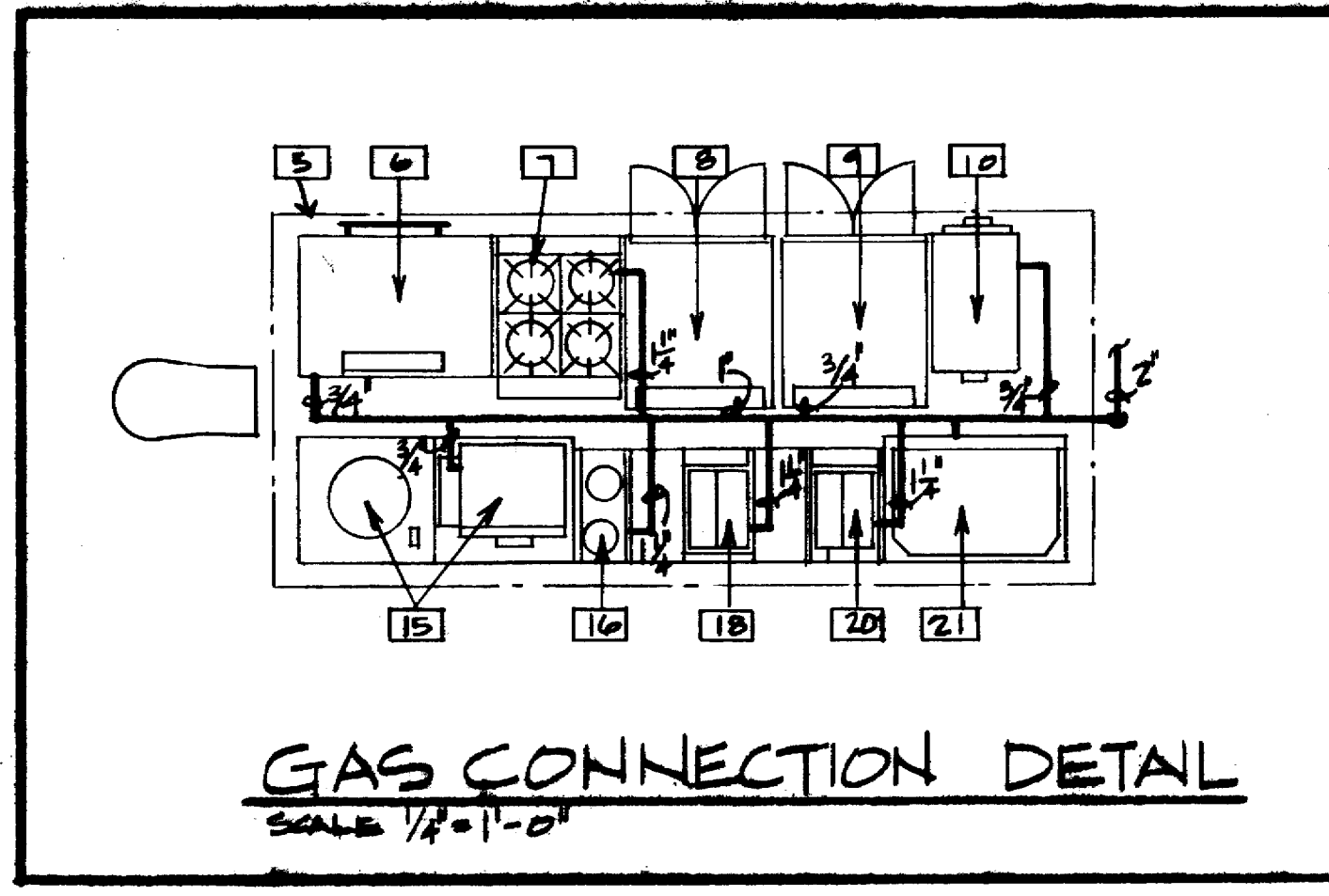
P-1 WATER CLOSET: - AMERICAN-STANDARD "GLENCO" NO. 2502.011 WALL MTD., ELONGATED BOWL, SIFON JET, 1 1/2" TOP SPUD, WITH CHURCH AMERICAN-STANDARD SOLID WHITE PLASTIC OPEN-FRONT SEAT NO. 5320.14 (94006); DELANTY FLUSH BOX 402 VB MTD. 24" ABOVE RIM; JOSHUA CARRIER.

P-2 LAVATORY: - AMERICAN-STANDARD "PENLYN" NO. 0373.027, 18" x 15-7/8" VITREOUS CHINA; NO. 2103.224 HERITAGE CENTERSET FAUCET W/CHROM HANDLES, 1 1/2" INTEGRAL GRID DRAIN, 1 1/2" TRAIL-PIECE; CAST CHROME PLATED 1" TRAP W/CLEANOUT; 1/2" SUPPLIES W/STOPS.

P-3 SINK: - AMERICAN-STANDARD "LAKEWELL" NO. 7692.049 ENAMELED CAST IRON SINK WITH 8379.018 RIM GUARD; 7593.148 FAUCET - AQUASAL VALVE - 1/2" UNION COUPLINGS THREADED 1/2" BRASS-VALVE BREAKER; 7798.176 1 1/2" TRAP W/3301.012 STRAINER; 1/2" SUPPLIES AND STOPS.

EQUIPMENT CONNECTION SCHEDULE

ITEM NO.	CM	HW	WASTE	GAS	GAS CFH
6	1/2"	1/2"	2"	3/4"	42
7	1/2"	1/2"	2"	1 1/2"	80
8	1/2"	1/2"	2"	1"	110
9	1/2"	1/2"	2"	1"	110
10	1/2"	1/2"	2"	3/4"	170
11	1/2"	1/2"	2"		
12	1/2"	1/2"	2"		
13	1/2"	1/2"	2"		
14	1/2"	1/2"	2"	3/4"	180
15	1/2"	1/2"	2"	1 1/2"	40
16	1/2"	1/2"	2"	1 1/2"	125
17	1/2"	1/2"	2"	1 1/2"	125
18	1/2"	1/2"	2"	3/4"	81
19	1/2"	1/2"	2"		
20	1/2"	1/2"	2"		
21	1/2"	1/2"	2"		
22	1/2"	1/2"	2"		
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39	1/2"	1/2"	2"		
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41	1/2"	1/2"	2"		
42	1/2"	1/2"	2"		
43	1/2"	1/2"	2"		
44	1/2"	1/2"	2"		
45	1/2"	1/2"	2"		
46	1/2"	1/2"	2"		
47	1/2"	1/2"	2"		



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2727 WESLAVAN

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAU & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

- A 12-17-76
- B 1-4-76 REV. BUILDING
- C 3-15-77 REV. PLUMBING
- D 11-8-77 REV. PLUMBING

DRAWN BY _____
CHECKED BY _____
PROJECT NO. _____
DATE 9-22-76

BASEMENT KITCHEN PLUMBING PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

P 102A



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2727 WESLAVAN

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

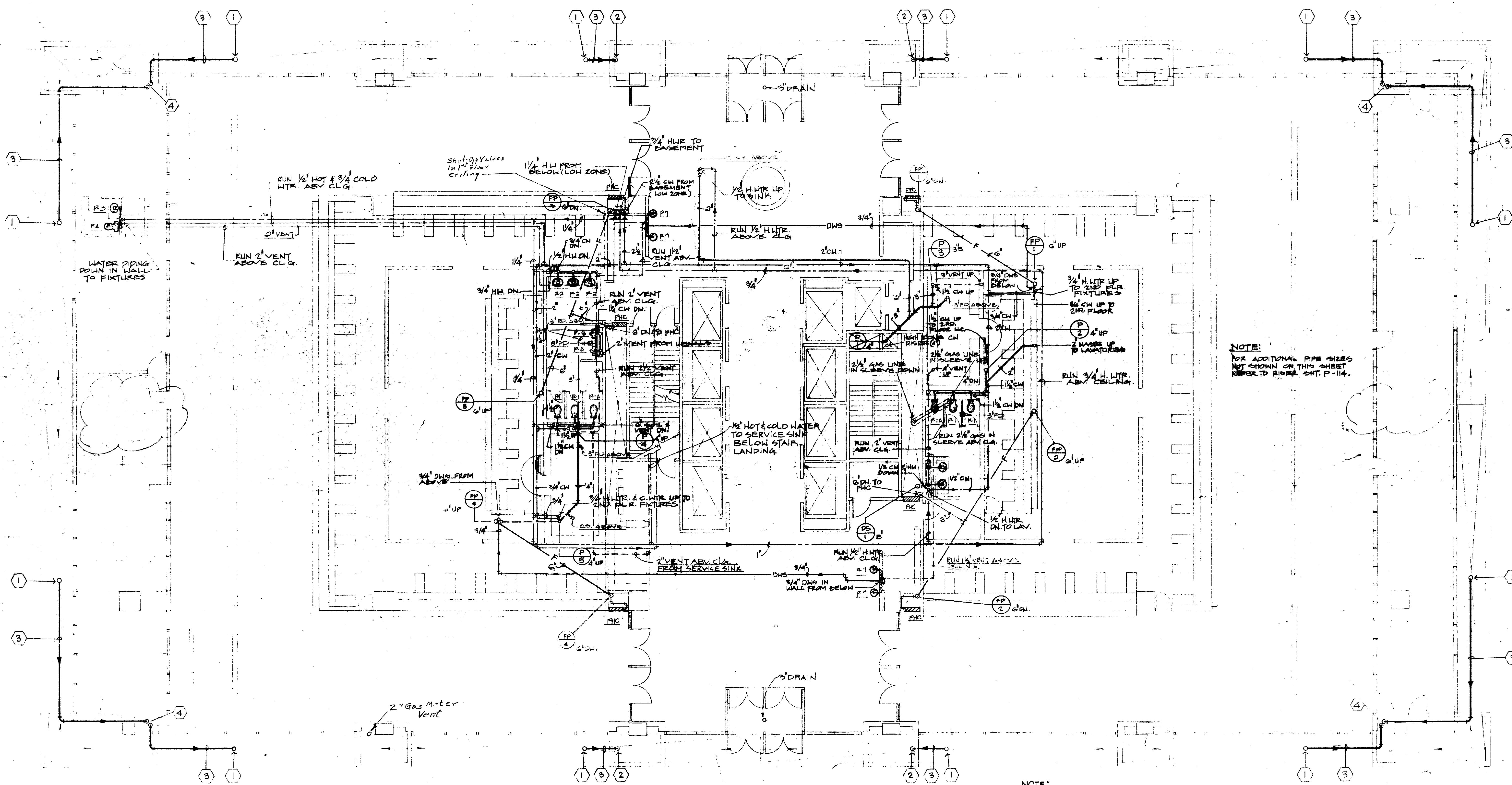
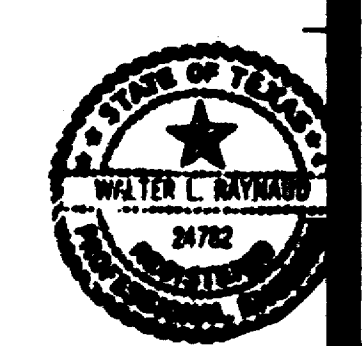
**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON, TEXAS

REVISIONS	
1	AS BUILT REV DCA
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DRAWN BY	
CHECKED BY	
PROJECT NO. 3500	
DATE 7-28-75	

PLUMBING
PLAZA FLOOR
PLAN

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME

**P
103**



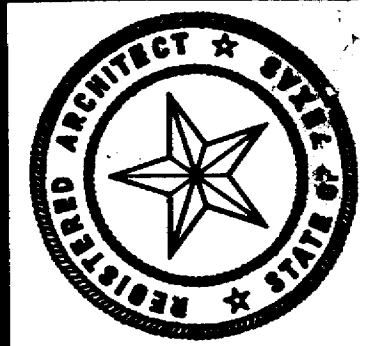
NOTE:
FOR ADDITIONAL PIPE SIZES
NOT SHOWN ON THIS SHEET
REFER TO RUMER SHT. P-114.

- NOTE:
- ① 4" DOWN SPOUT UP TO 4" PERIMETER DRAIN
 - ② 2" DOWN SPOUT INSIDE COLUMN WALL TO BASEMENT
 - ③ 6" HORIZONTAL D.S. PIPING RUNNING THRU PERIMETER DRAIN. SEE ARCH. DNGS. FOR DETAIL.
 - ④ 6" DOWN SPOUT INSIDE COLUMN WALL TO BASEMENT

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

CHECKED BY
J.W.B.
DESIGNED BY
T.T.
DRAWN BY
T.T. & L.P.
DATE
7-24-75

As Built Dwg.



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

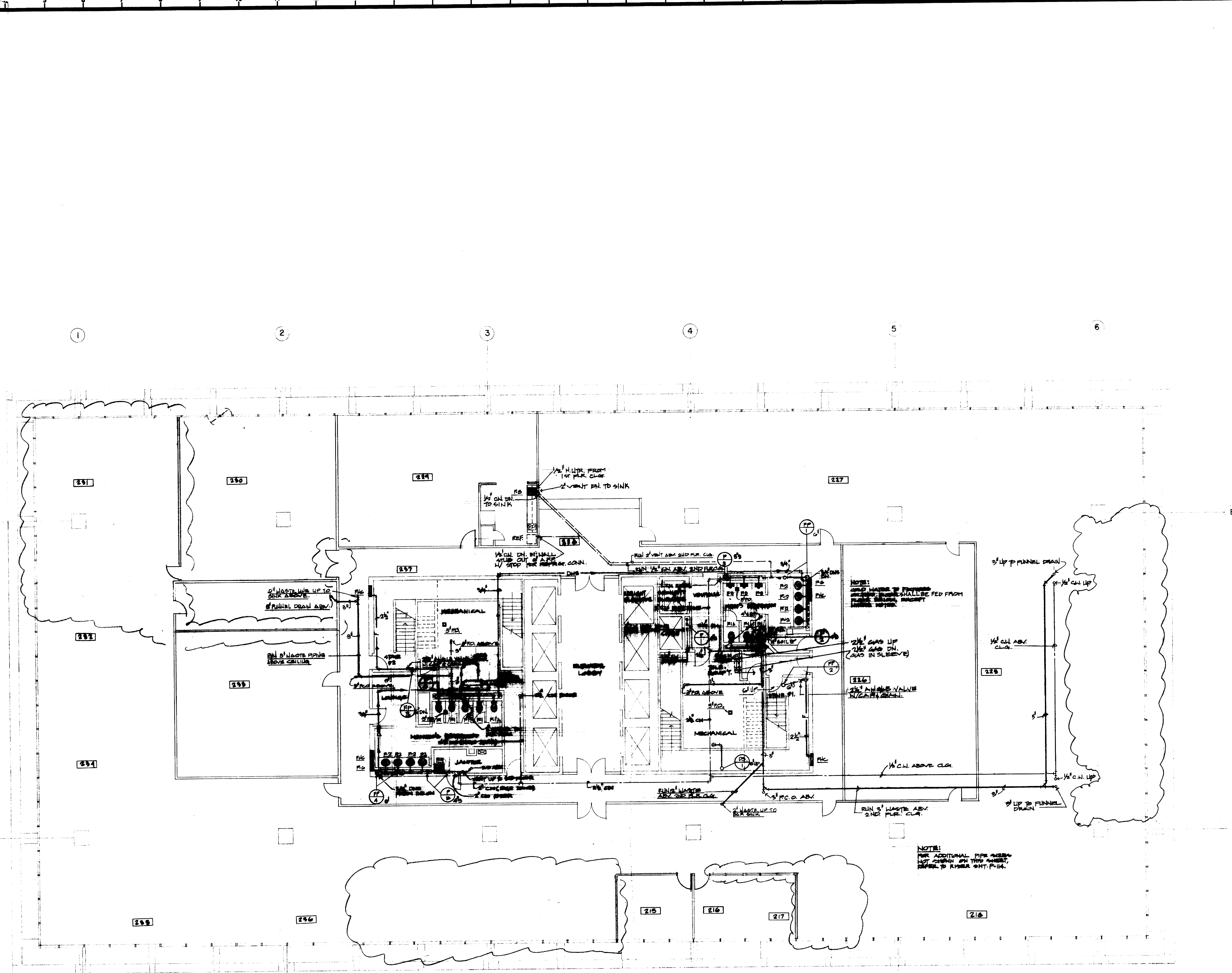
REVISIONS	
1	10-4-76
2	
3	
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7	
8	
9	
10	

DRAWN BY
CHECKED BY
PROJECT NO. 350
DATE 7-28-75

PLUMBING
2nd FLOOR
PLAN

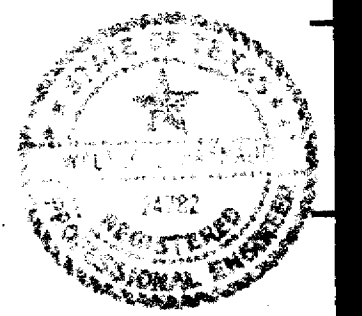
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

P
104



SCALE 1/8" = 1'-0"

J.W.B.
DESIGNED BY
T.L.
DRAWN BY
L.P.
DATE
7-24-75





KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHENAULT & BRADY CONSULTING ENGINEERS

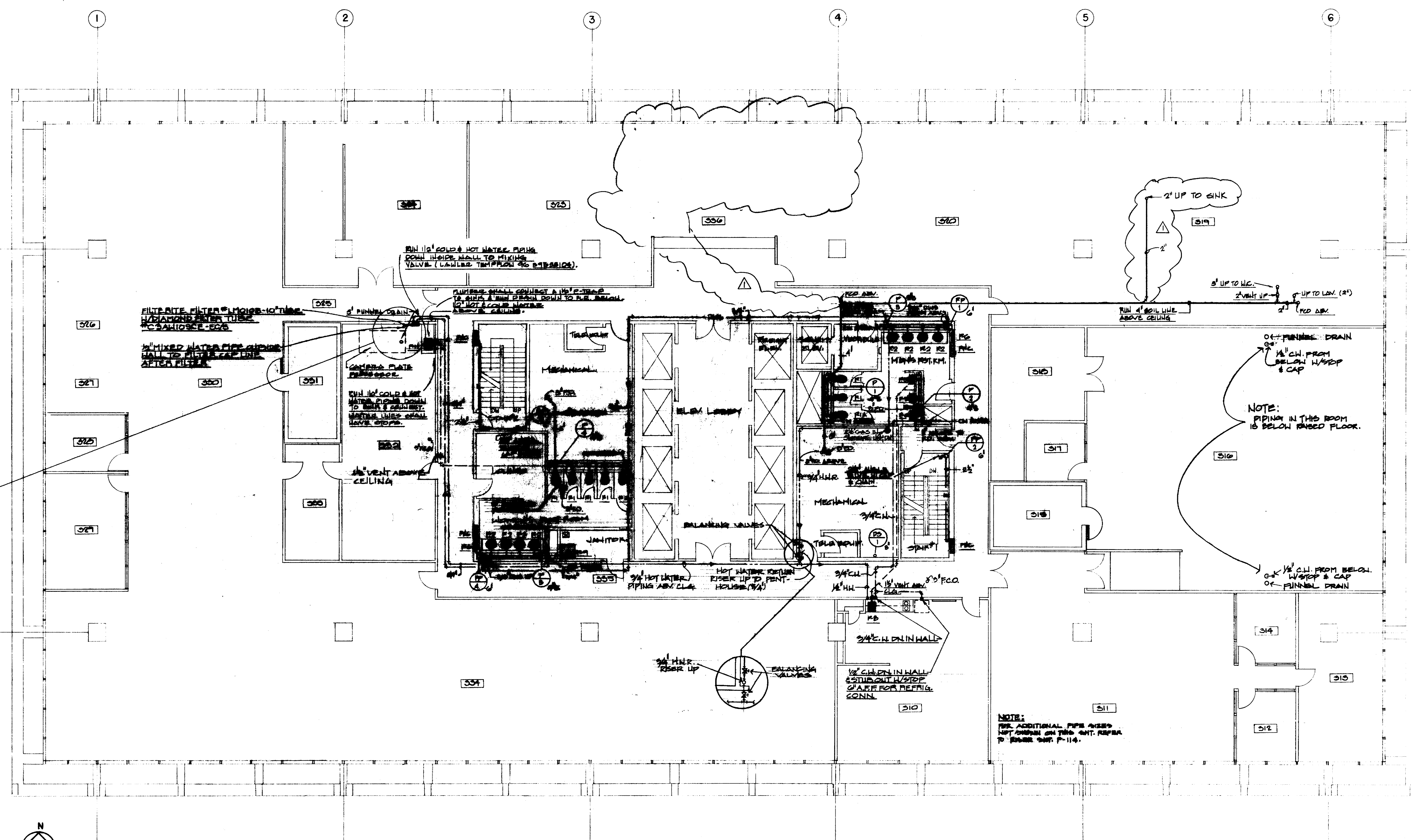
HARRIS COUNTY ADMINISTRATION BUILDING
 HOUSTON, TEXAS

REVISIONS	
1	AS SHOWN
2	
3	
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5	
6	
7	
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9	
10	

PLUMBING
 3rd FLOOR
 PLAN

CONTRACTOR SHALL
 VERIFY ALL DIMENSIONS
 AT JOB SITE AND BE
 RESPONSIBLE FOR SAME

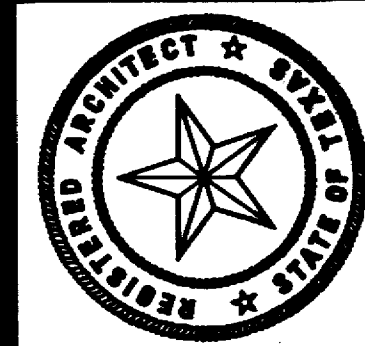
P 105



SCALE 1/8" = 1'-0"

CREATED BY
J.W.B.
 DESIGNED BY
T.T.
 DRAWN BY
L.P.
 DATE
7-24-75





KENNETH BENTSEN ASSOCIATES
 HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
 HOUSTON, TEXAS 77027
 WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
 CHRNAULT & BRADY CONSULTING ENGINEERS

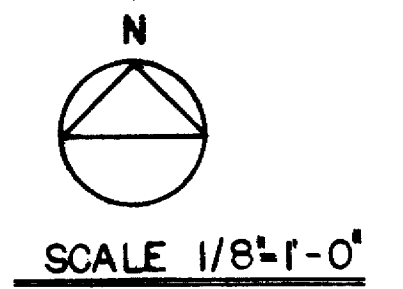
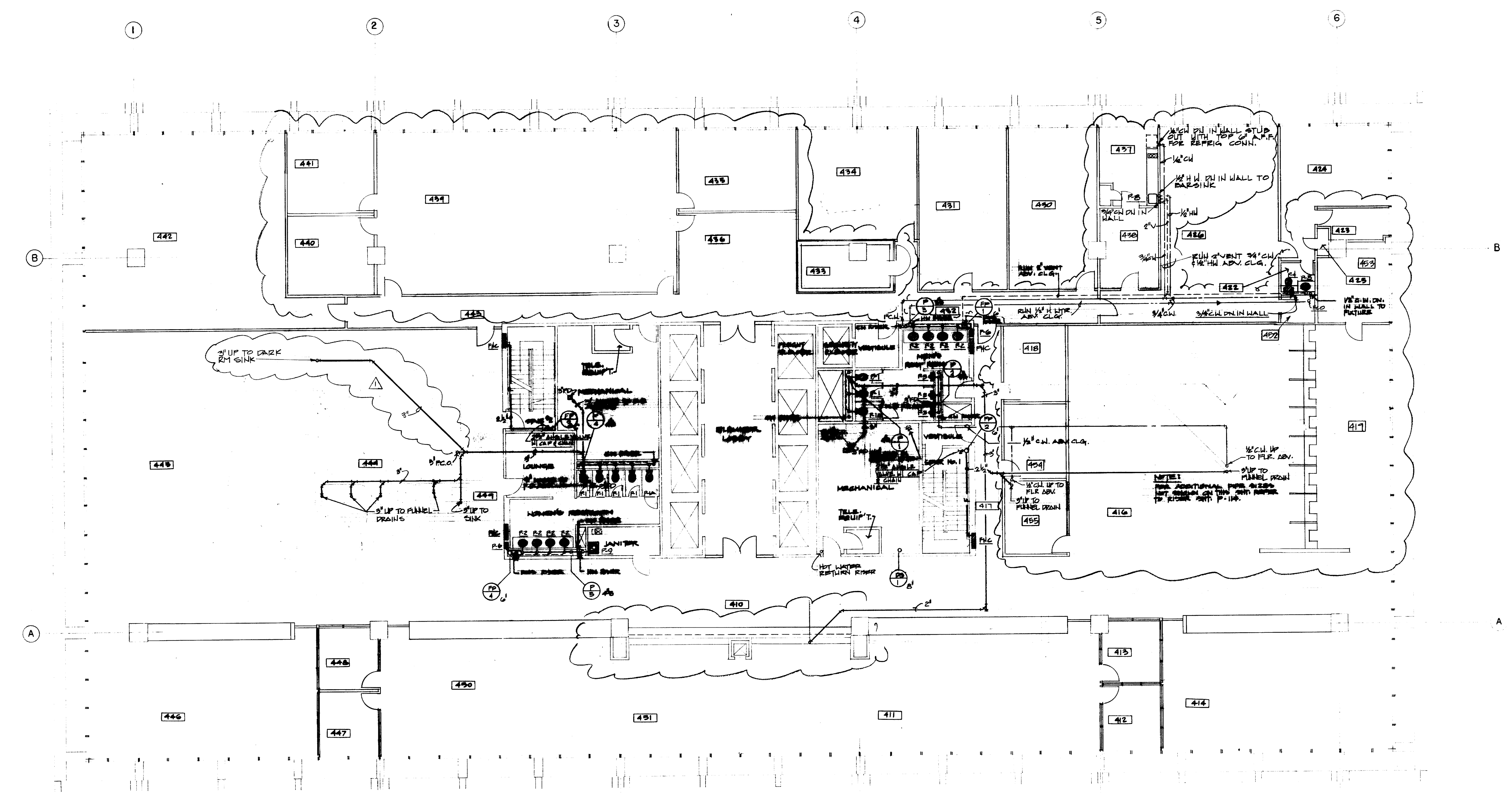
**HARRIS COUNTY
 ADMINISTRATION BUILDING**
 HOUSTON TEXAS

REVISIONS	
1	7-24-76
2	
3	
4	
5	
6	

DRAWN BY
 CHECKED BY
 PROJECT NO. 3526
 DATE 7-18-75

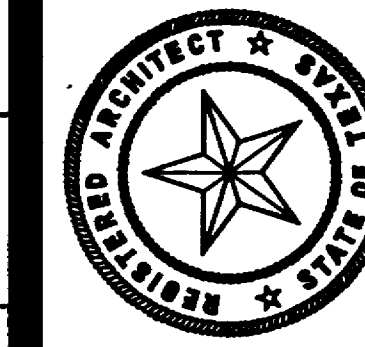
PLUMBING
 4th FLOOR
 PLAN

CONTRACTOR SHALL
 VERIFY ALL DIMENSIONS
 AT JOB SITE AND BE
 RESPONSIBLE FOR SAME



DESIGNED BY
J.W.B.
 CHECKED BY
T.L.
 DRAWN BY
M.B.
 DATE
7-14-76





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

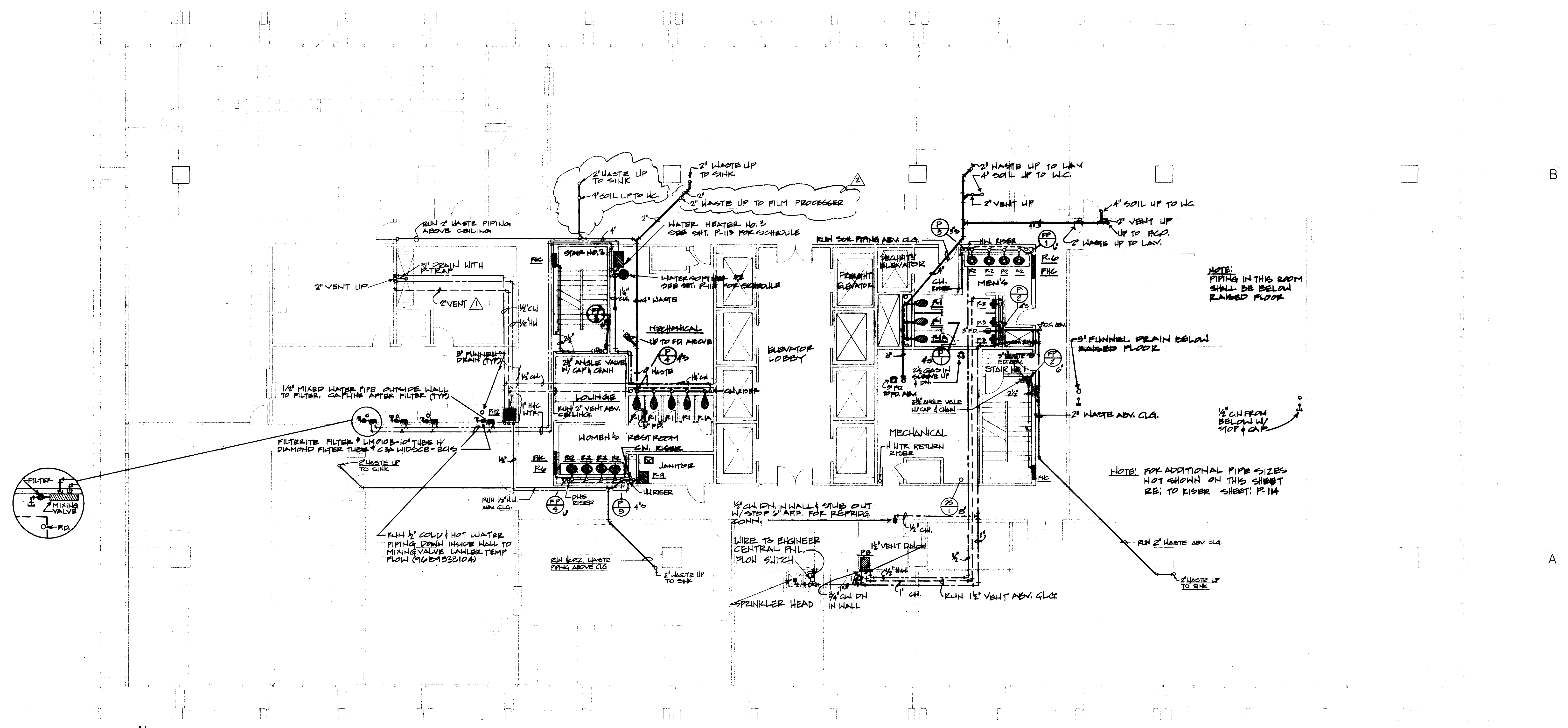
REVISIONS	
1	10.4.76
2	REV. PLUMBING 10.7.76 WASTE LINE
3	
4	
5	

DRAWN BY _____
CHECKED BY _____
PROJECT NO. 3506
DATE 7-28-75

PLUMBING
5th FLOOR
PLAN

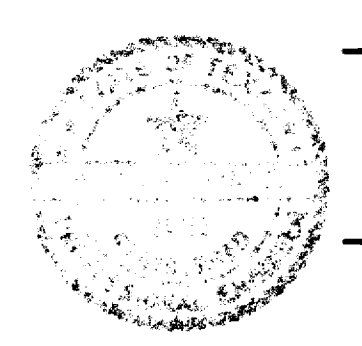
CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME

107 R



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

GENERAL REVISION
ENTIRE SHEET
REDRAWN



5/2/78



KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

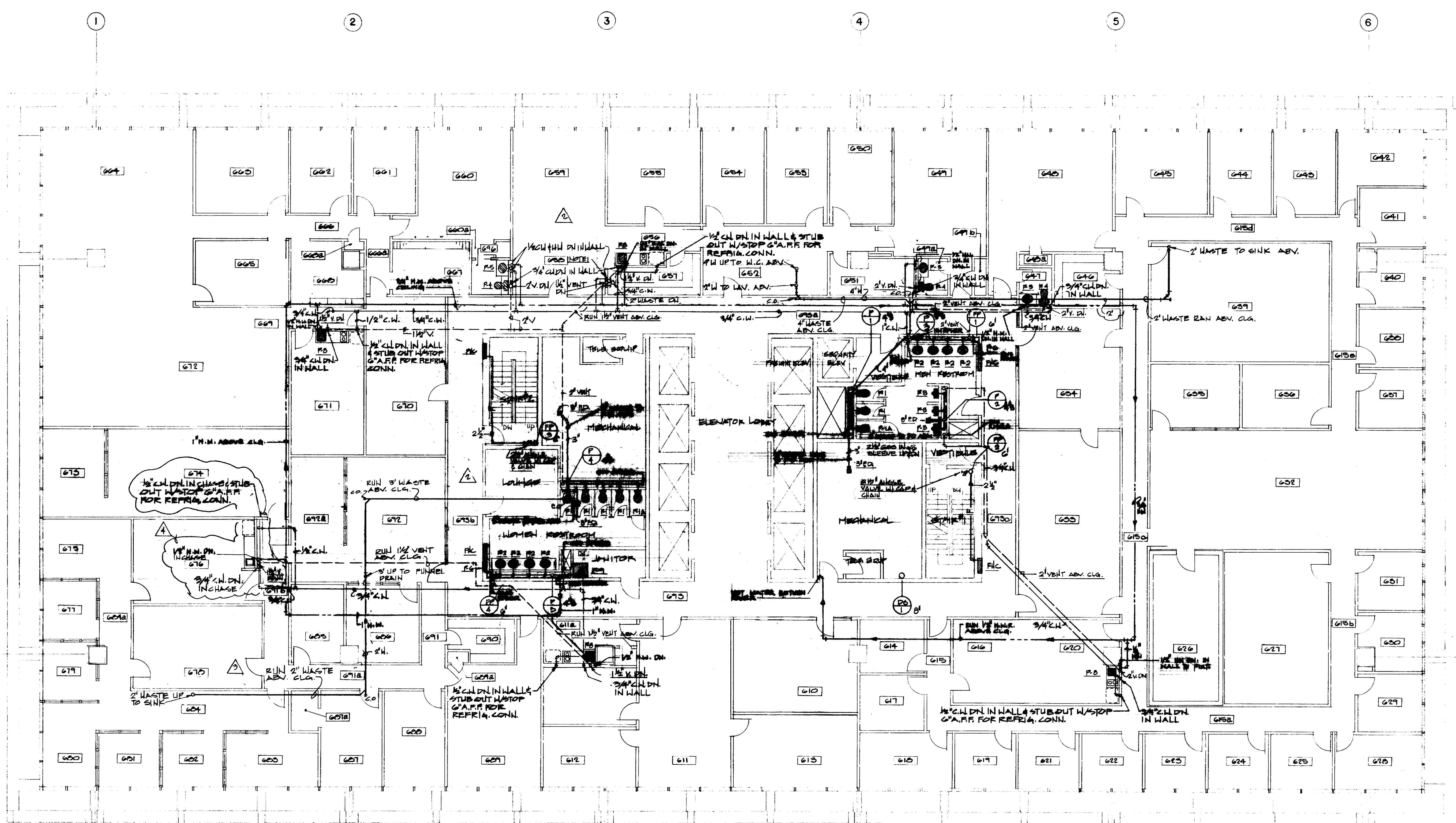
**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

REVISIONS	
A	10-4-76
B	1-13-77 REV WASTE
C	1-27-77 REV WASTE
D	2-10-77 REV PLUMBING
E	
DRAWN BY	
CHECKED BY	
PROJECT NO. 8606	
DATE 7-28-75	

**PLUMBING
6th FLOOR
PLAN**

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME

P 108

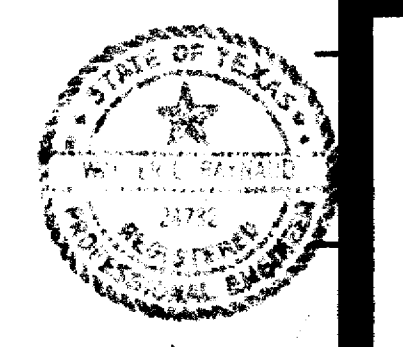


SCALE 1/8" = 1' 0"

NOTES:
1. CAP 1/2" CH & HU LINES FOR FUTURE CONNECTION TO
FILM PROCESSING EQUIPMENT CONNECTION TO BE
TO THERMOSTATICALLY CONTROL WATER MIXING VALVE.

NOTE:
THE ADDITIONAL PIPE SIZES
NOT SHOWN ON THIS PLAN REFER
TO PAGES 104, P. 105.

CHECKED BY
J.W.B.
DESIGNED BY
T.T.
DRAWN BY
M.B.
DATE
7-28-75





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
200 SOUTHWEST TOWER

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
2727 WESLAVAN

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

REVISIONS

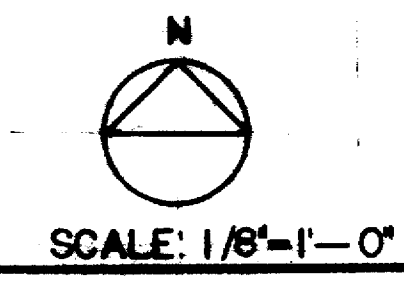
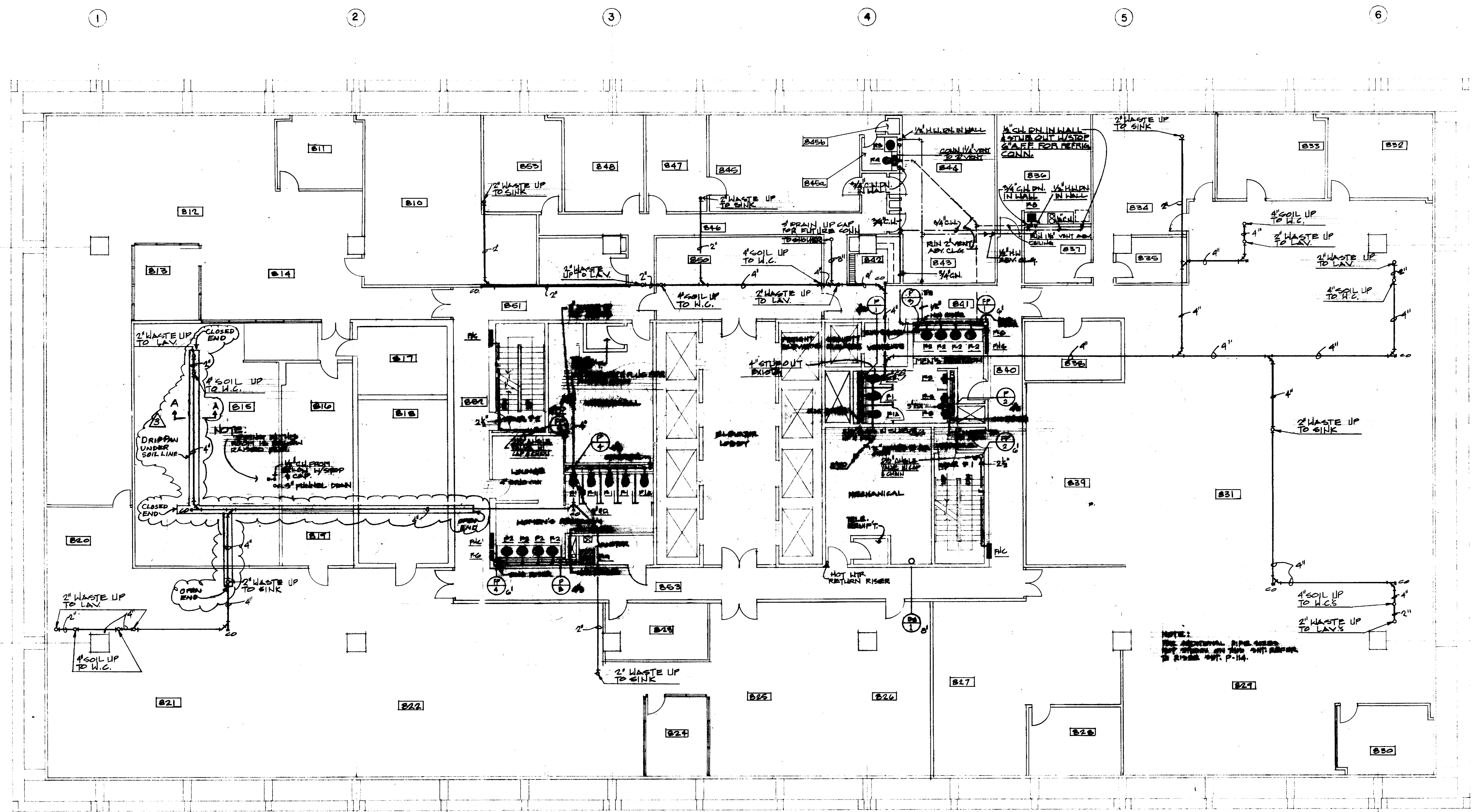
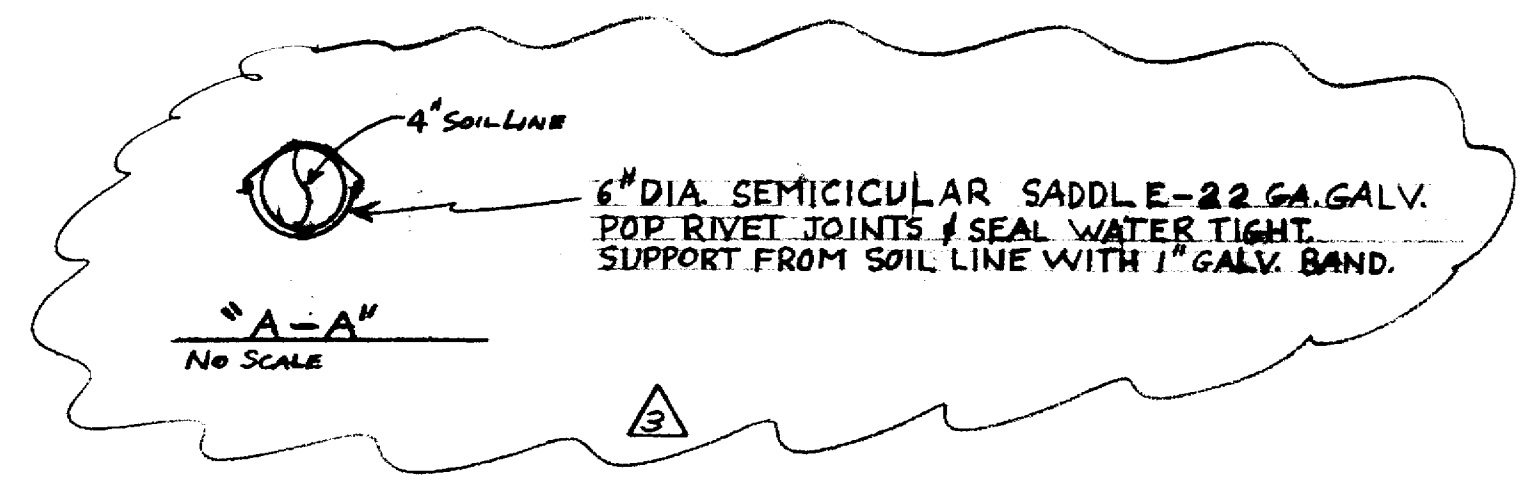
Δ 2-10-77
Δ 3-11-77
Δ 2-24-78

DRAWN BY
CHECKED BY
PROJECT NO. 350
DATE 7-28-78

PLUMBING
8th FLOOR
PLAN

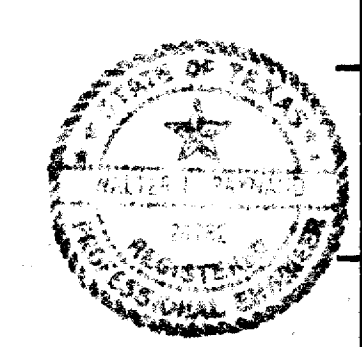
CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME

**P
109R**



CREATED BY
J.W.B.
DESIGNED BY
T.T.
DRAWN BY
M.D.
DATE
7-24-78

THIS FLOOR PLAN IS TO BE USED FOR THE SEVENTH FLOOR.
REVISIONS TO THIS FLOOR PLAN MADE ON THE EIGHTH FLOOR.
ENTIRE FLOOR REVISED





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77006
200 SOUTHWEST TOWER

BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
2727 WESLAVAN

WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

REVISIONS
1. REV. 7th FLOOR
2. REV. 7th FLOOR
3. REV. 7th FLOOR
4. REV. 7th FLOOR
5. REV. 7th FLOOR

DRAWN BY
L.P.

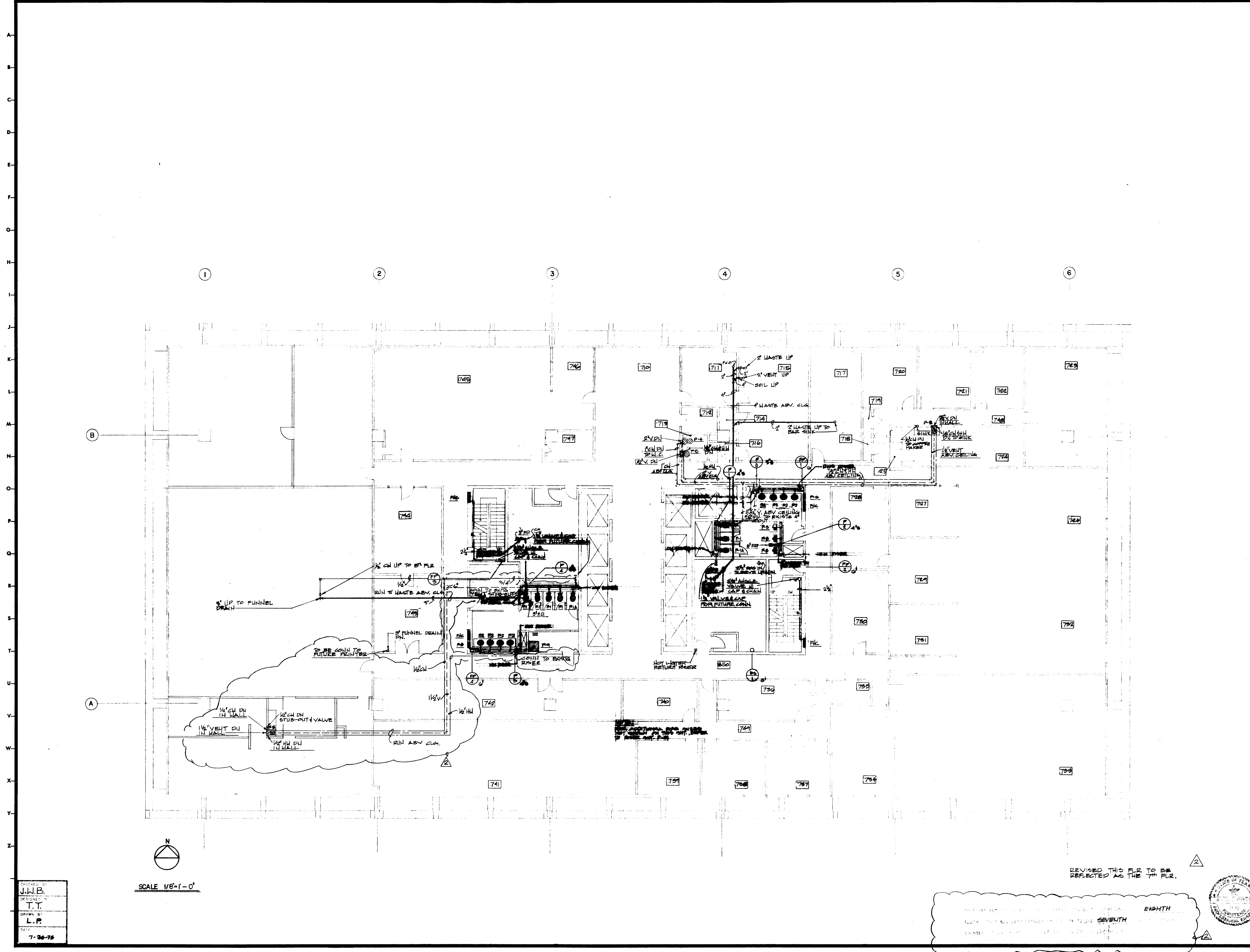
CHECKED BY
PROJECT NO. 3506

DATE 7-26-75

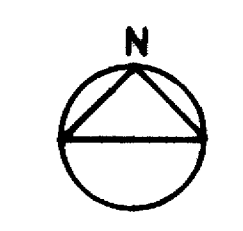
**PLUMBING
7th FLOOR
PLAN**

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME

**P
110 R**



SCALE 1/8" = 1'-0"



DESIGNED BY
J.W.B.

DESIGNED BY
T.T.

DRAWN BY
L.P.

DATE
7-26-75

REVISED THIS FLOOR TO BE
REFLECTED AS THE 7TH FLOOR.

THIS PLAN IS TO BE USED FOR THE 7TH FLOOR. THE 8TH FLOOR PLAN IS TO BE USED FOR THE 8TH FLOOR. THE 9TH FLOOR PLAN IS TO BE USED FOR THE 9TH FLOOR. THE 10TH FLOOR PLAN IS TO BE USED FOR THE 10TH FLOOR. THE 11TH FLOOR PLAN IS TO BE USED FOR THE 11TH FLOOR. THE 12TH FLOOR PLAN IS TO BE USED FOR THE 12TH FLOOR. THE 13TH FLOOR PLAN IS TO BE USED FOR THE 13TH FLOOR. THE 14TH FLOOR PLAN IS TO BE USED FOR THE 14TH FLOOR. THE 15TH FLOOR PLAN IS TO BE USED FOR THE 15TH FLOOR. THE 16TH FLOOR PLAN IS TO BE USED FOR THE 16TH FLOOR. THE 17TH FLOOR PLAN IS TO BE USED FOR THE 17TH FLOOR. THE 18TH FLOOR PLAN IS TO BE USED FOR THE 18TH FLOOR. THE 19TH FLOOR PLAN IS TO BE USED FOR THE 19TH FLOOR. THE 20TH FLOOR PLAN IS TO BE USED FOR THE 20TH FLOOR. THE 21ST FLOOR PLAN IS TO BE USED FOR THE 21ST FLOOR. THE 22ND FLOOR PLAN IS TO BE USED FOR THE 22ND FLOOR. THE 23RD FLOOR PLAN IS TO BE USED FOR THE 23RD FLOOR. THE 24TH FLOOR PLAN IS TO BE USED FOR THE 24TH FLOOR. THE 25TH FLOOR PLAN IS TO BE USED FOR THE 25TH FLOOR. THE 26TH FLOOR PLAN IS TO BE USED FOR THE 26TH FLOOR. THE 27TH FLOOR PLAN IS TO BE USED FOR THE 27TH FLOOR. THE 28TH FLOOR PLAN IS TO BE USED FOR THE 28TH FLOOR. THE 29TH FLOOR PLAN IS TO BE USED FOR THE 29TH FLOOR. THE 30TH FLOOR PLAN IS TO BE USED FOR THE 30TH FLOOR. THE 31ST FLOOR PLAN IS TO BE USED FOR THE 31ST FLOOR. THE 32ND FLOOR PLAN IS TO BE USED FOR THE 32ND FLOOR. THE 33RD FLOOR PLAN IS TO BE USED FOR THE 33RD FLOOR. THE 34TH FLOOR PLAN IS TO BE USED FOR THE 34TH FLOOR. THE 35TH FLOOR PLAN IS TO BE USED FOR THE 35TH FLOOR. THE 36TH FLOOR PLAN IS TO BE USED FOR THE 36TH FLOOR. THE 37TH FLOOR PLAN IS TO BE USED FOR THE 37TH FLOOR.





KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

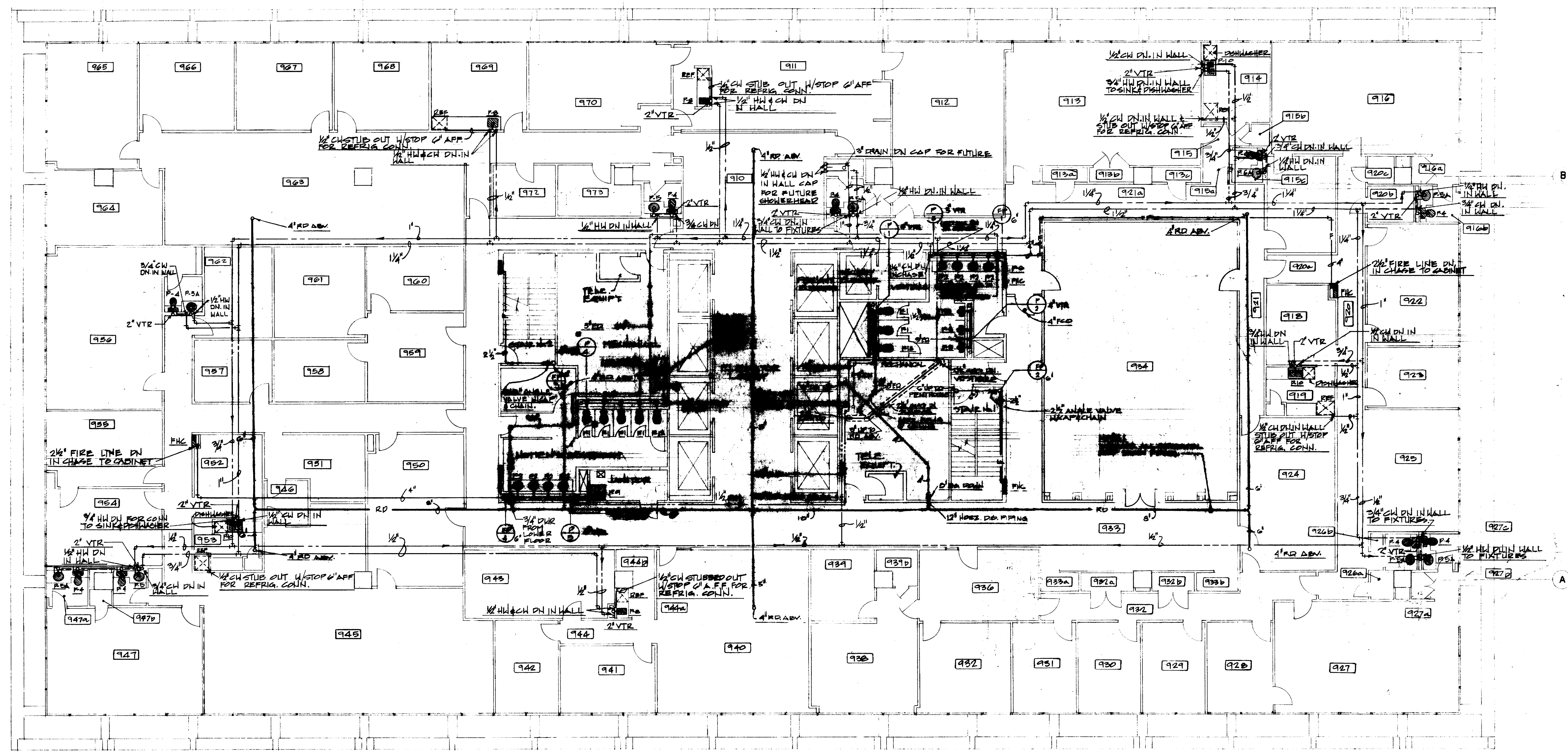
REVISIONS	
1	3/30/77
2	3/29/77
3	
4	
5	

DRAWN BY
CHECKED BY
PROJECT NO. 3526
DATE 7-28-75

PLUMBING
9th FLOOR
PLAN

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME

P III R

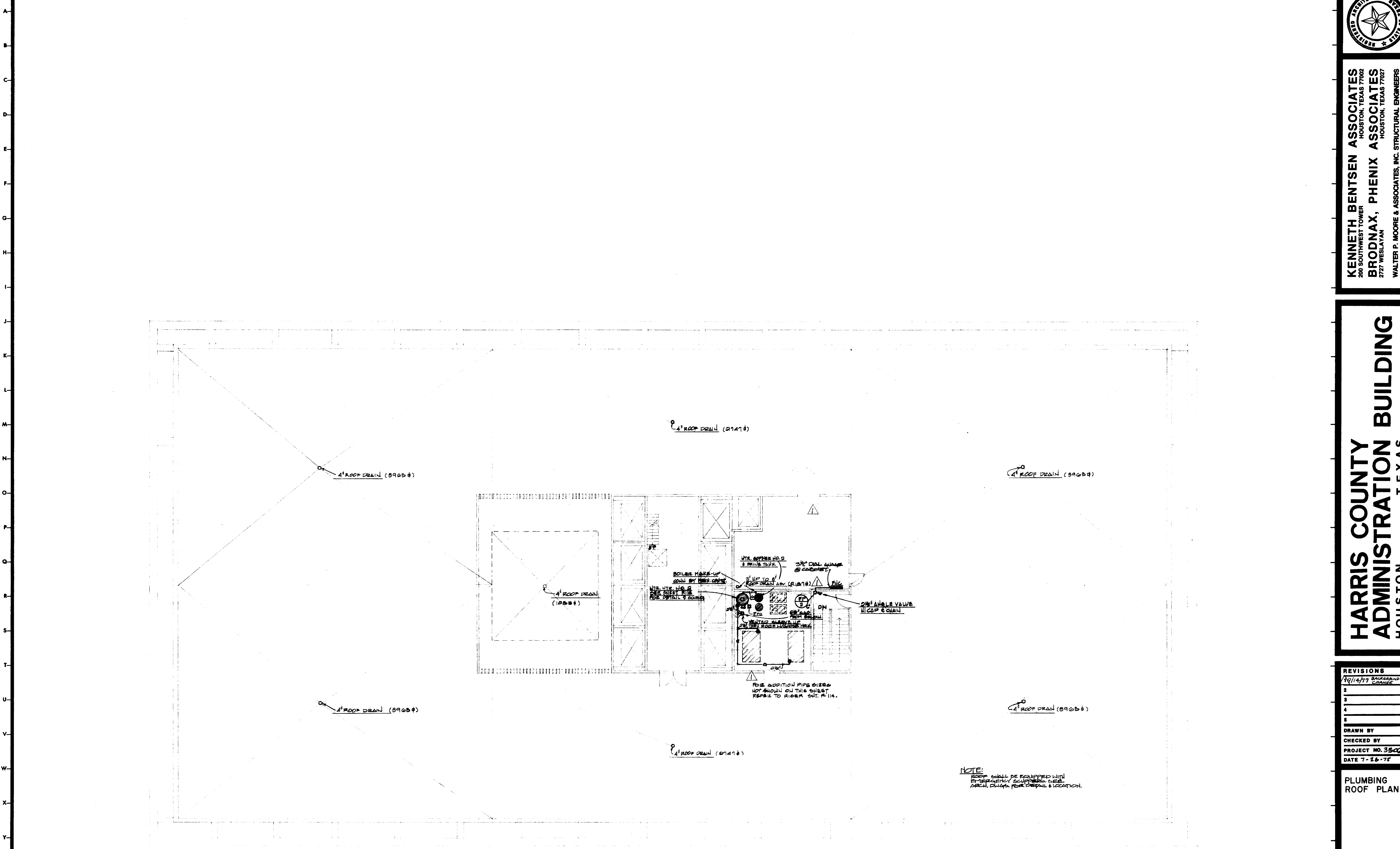


SCALE: 1/8" = 1'-0"

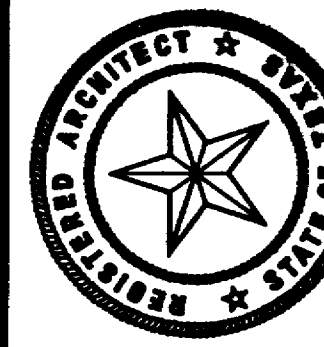
CHECKED BY
J.W.B.
DESIGNED BY
T.T.
DRAWN BY
M.D.
DATE
7-24-75



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37



NOTE:
ROOF SHALL BE EQUIPPED WITH
EMERGENCY SCUPPERS. SEE
ARCH. DRAWG. FOR DETAIL & LOCATION.



KENNETH BENTZEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

**HARRIS COUNTY
ADMINISTRATION BUILDING**
HOUSTON TEXAS

REVISIONS	
1	12/14/77 BACKGROUND CHANGE
2	
3	
4	
5	

DRAWN BY
CHECKED BY
PROJECT NO. 3500
DATE 7-26-75

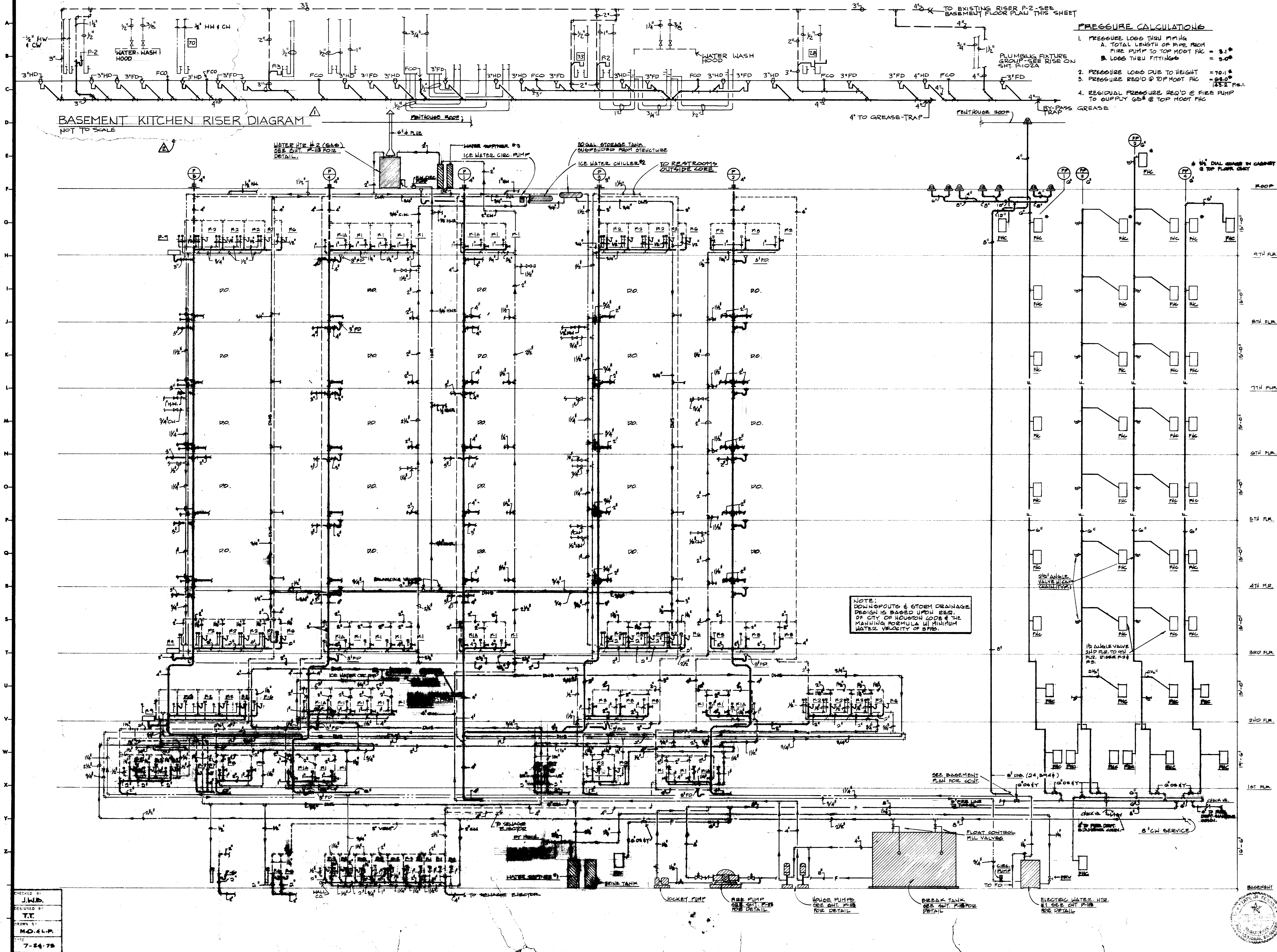
PLUMBING
ROOF PLAN

CONTRACTOR SHALL
VERIFY ALL DIMENSIONS
AT JOB SITE AND BE
RESPONSIBLE FOR SAME



P
112

J.W.B.
T.T.
T.T.
DATE
7-24-75



PRESSURE CALCULATIONS

- PRESSURE LOSS THRU PIPING
 A. TOTAL LENGTH OF PIPE FROM FIRE PUMP TO TOP MOST FIX = 3.1 *
 B. LOSS THRU FITTINGS = 5.0 *
- PRESSURE LOSS DUE TO HEIGHT = 70.1 *
- PRESSURE REQ'D @ TOP MOST FIX = 25.0 *
 143.3 Psf.
- RESIDUAL PRESSURE REQ'D @ FIRE PUMP TO SUPPLY 65# @ TOP MOST FIX GREASE

BASEMENT KITCHEN RISER DIAGRAM
NOT TO SCALE

NOTE:
DOWNPOUTS & STORM DRAINAGE DESIGN IS BASED UPON REQ. OF CITY OF HOUSTON CODE & THE MANNING FORMULA WITH MINIMUM WATER VELOCITY OF 3 FPS.

CHECKED BY
J.W.B.
DESIGNED BY
T.T.
DRAWN BY
M.O.A.L.P.
7-24-75

KENNETH BENTSEN ASSOCIATES
HOUSTON, TEXAS 77002
BRODNAX, PHENIX ASSOCIATES
HOUSTON, TEXAS 77027
WALTER P. MOORE & ASSOCIATES, INC. STRUCTURAL ENGINEERS
CHENAULT & BRADY CONSULTING ENGINEERS

HARRIS COUNTY ADMINISTRATION BUILDING
HOUSTON TEXAS

REVISIONS

1	ADD KIT RISER 2-15-77
2	AKIT. RISER REV. 11-8-77
3	
4	
5	

DRAWN BY
CHECKED BY
PROJECT NO. 35206
DATE 7-22-75

PLUMBING RISERS

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT JOB SITE AND BE RESPONSIBLE FOR SAME