

# WAMEGO MIDDLE SCHOOL U.S.D. 320

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KIENE & BRADLEY DESIGN GROUP • AIA  
ARCHITECTS INTERIOR ARCHITECTURE CHARTERED

FINNEY & TURNIPSEED PA  
STRUCTURAL ENGINEERS

LATIMER, SOMMERS & ASSOCIATES PA  
MECHANICAL & ELECTRICAL ENGINEERS

MONTGOMERY AND ASSOCIATES  
FOOD FACILITIES CONSULTANTS

COFFEEN, ANDERSON, FRICKE & ASSOCIATES, INC.  
CONSULTANTS IN ACOUSTICS

### ARCHITECTURAL SYMBOLS

SECTIONS	
	ACOUSTICAL TILE OR BOARD
	BRICK - FACE OR COMMON
	CERAMIC TILE
	LWC BLOCK
	NWC BLOCK
	CONCRETE
	EARTH
	COMPACTED FILL
	GLASS - SMALL SCALE
	GLASS - LARGE SCALE
	BATT INSULATION
	RIGID INSULATION
	ALUMINUM
	STEEL - LARGE SCALE
	METAL/STEEL - SMALL SCALE
	PLASTER, SAND, CEMENT
	GYPSUM BOARD
	STONE
	ROCK/GRAVEL
	MARBLE
	WOOD - FINISHED
	WOOD - ROUGH FRAMING (w/ SIZE INDICATION)
	PLYWOOD
	METAL STUD PARTITION - PLAN
	WOOD STUD PARTITION - PLAN
	EXISTING CONSTRUCTION
	MATERIAL AS NOTED
	MATERIAL AS NOTED

ELEVATIONS	
	FACE BRICK
	CONCRETE BLOCK
	CONCRETE, PLASTER, GYP. BD.
	GLASS
	STONE
	WOOD - FINISHED
	MATERIAL AS NOTED
	MATERIAL AS NOTED
	MATERIAL AS NOTED

### DRAWING REFERENCES

	ROOM NAME
	ROOM NUMBER
	DRAWING/SHEET NO.
	DRAWING NUMBER
	SHEET NUMBER
	SECTION
	DRAWING NUMBER
	SHEET NUMBER
	ELEVATION
	DRAWING NUMBER
	SHEET NUMBER
	DETAIL
	DOOR MARK

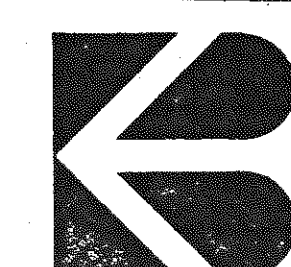
MIDDLE SCHOOL  
WAMEGO U.S.D. 320

TITLE SHEET



ARCHITECTS  
TOPEKA

KIENE & BRADLEY DESIGN GROUP • AIA  
ARCHITECTS INTERIOR ARCHITECTURE CHARTERED  
KANSAS



JOB NO. 89-36  
DATE 4-8-91  
REVISION

SHEET NO.

T1

**BUILDING A : NEW CONSTRUCTION**

- Occupancy: TYPE E.1
- Construction: TYPE II-N
- Basic Allowable Area: 13,500 SF
- 2 Side Open 60 ft., 50% Increase
- Other Increases: N.A.
- Total Allowable Area per Floor/Total: 20,250 SF
- Actual SF: 11,347 GSF PHASE I  
2,232 GSF PHASE II (FUTURE)  
13,579 GSF TOTAL (FY2004)
- Mixed Occupancy Ratio: N.A.
- Allowable Stories: 1
- Allowable Height: 55 FEET
- Actual Stories: 1
- Actual Height: 25 FEET
- Structural Fire Protection**

F/R	Remarks	Re: Tbl
N	Bearing Walls	17-A
N	Int. Bearing Walls	
N	Ext. Non-bearing Walls	
N	Structural Frame	
N	Permanent Partitions	
N	Shaft Enclosures	
N	Floors	
N	Roofs	
N	Exterior Openings	1903(b)

**BUILDING B : NEW CONSTRUCTION**

- Occupancy: TYPE E.1
- Construction: TYPE II-N
- Basic Allowable Area: 13,500 SF
- 2 Side Open 60 ft., 50% Increase (Perimeter Method)
- Other Increases: N.A.
- Total Allowable Area per Floor/Total: 17,550 SF
- Actual SF: 14,596 GSF (GROUND FLOOR)  
1,154 GSF (MEZZANINE)  
15,750 GSF (TOTAL)
- Mixed Occupancy Ratio: N.A.
- Allowable Stories: 1
- Allowable Height: 55 FEET
- Actual Stories: 1
- Actual Height: 25 FEET
- Structural Fire Protection**

F/R	Remarks	Re: Tbl
N	Bearing Walls	17-A
N	Int. Bearing Walls	
N	Ext. Non-bearing Walls	
N	Structural Frame	
N	Permanent Partitions	
N	Shaft Enclosures	
N	Floors	
N	Roofs	
N	Exterior Openings	1903 (b)

**BUILDING C.1 : NEW CONSTRUCTION**

- Occupancy: TYPE A2.1
- Construction: TYPE II 1 Hour
- Basic Allowable Area: 13,500 SF
- 2 Side Open 60 ft., 40% Increase (Perimeter Method)
- Other Increases: N.A.
- Total Allowable Area per Floor/Total: 18,900 SF (1 Story)  
18,900 SF (>1 Story)  
37,800 SF TOTAL
- Actual SF: 16,679 GSF (GROUND FLOOR)  
5,821 GSF (SECOND FLOOR)  
22,500 GSF TOTAL
- Mixed Occupancy Ratio: N.A.
- Allowable Stories: 2
- Allowable Height: 65 FEET
- Actual Stories: 2
- Actual Height: 34 FEET
- Structural Fire Protection**

F/R	Remarks	Re: Tbl
N	Bearing Walls	17-A
N	Int. Bearing Walls	
N	Ext. Non-bearing Walls	1903 (a)
N	Structural Frame	
N	Permanent Partitions	
N	Shaft Enclosures	
N	Floors	
N	Roofs	
N	Exterior Openings	1903 (b)

**BUILDING C.3 : NEW CONSTRUCTION**

- Occupancy: TYPE E.1
- Construction: TYPE II-N
- Basic Allowable Area: 13,500 SF
- 2 Side Open 60 ft., 50% Increase
- Other Increases: N.A.
- Total Allowable Area per Floor/Total: 20,250 SF
- Actual SF: 13,429 GSF
- Mixed Occupancy Ratio: N.A.
- Allowable Stories: 1
- Allowable Height: 55 FEET
- Actual Stories: 1
- Actual Height: 26 FEET
- Structural Fire Protection**

F/R	Remarks	Re: Tbl
N	Bearing Walls	17-A
N	Int. Bearing Walls	
N	Ext. Non-bearing Walls	
N	Structural Frame	
N	Permanent Partitions	
N	Shaft Enclosures	
N	Floors	
N	Roofs	
N	Exterior Openings	1903 (b)

**BUILDING C.2 : NEW CONSTRUCTION**

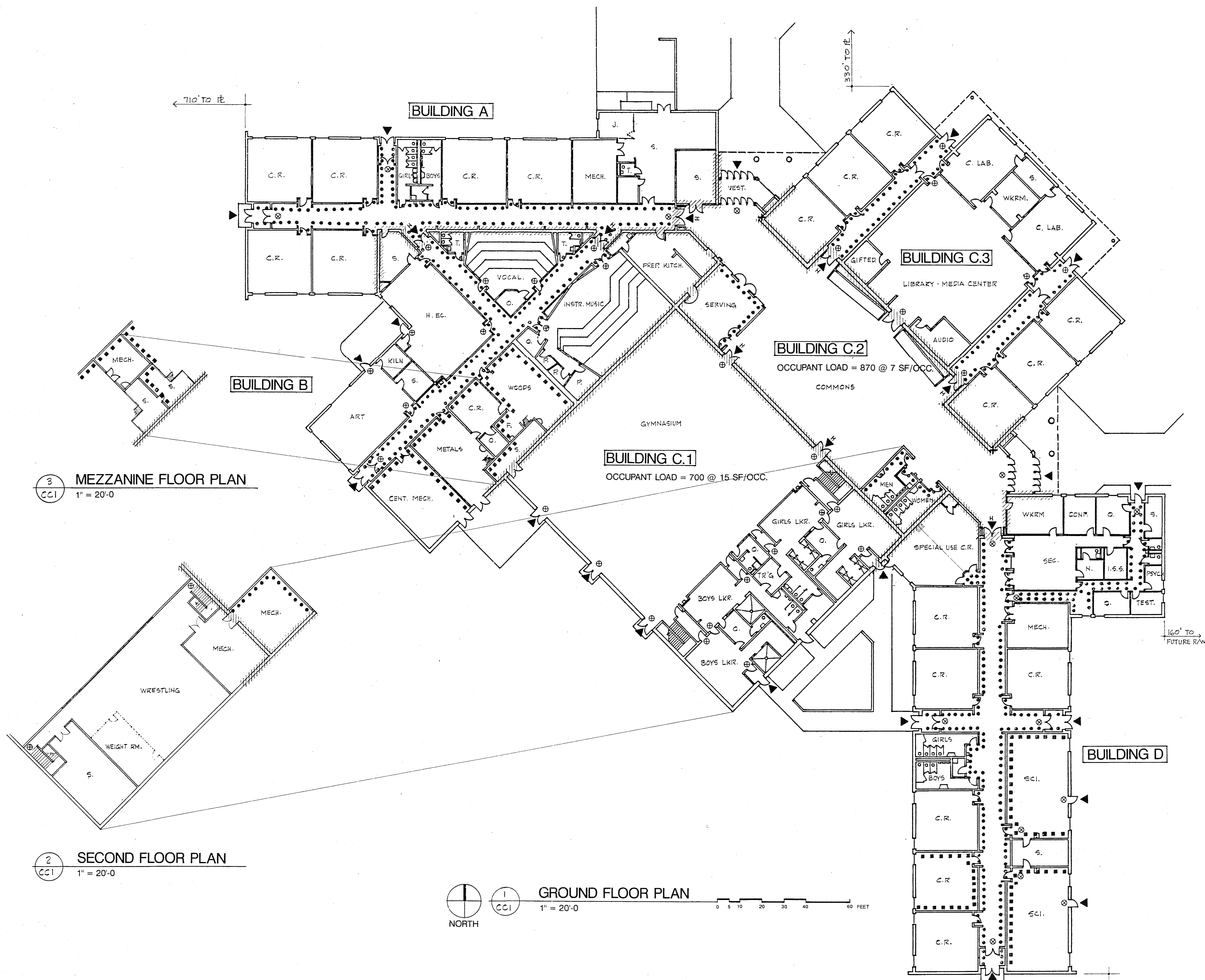
- Occupancy: TYPE A2.1
- Construction: TYPE II 1 Hour
- Basic Allowable Area: 13,500 SF
- 0 Side Open 60 ft., 0% Increase
- Other Increases: N.A.
- Total Allowable Area per Floor/Total: 13,500 SF (1 Story)  
13,500 SF (>1 Story)  
27,000 SF TOTAL
- Actual SF: 11,278 GSF (GROUND FLOOR)  
867 GSF (SECOND FLOOR)  
12,145 GSF TOTAL
- Mixed Occupancy Ratio: N.A.
- Allowable Stories: 2
- Allowable Height: 65 FEET
- Actual Stories: 2
- Actual Height: 34 FEET
- Structural Fire Protection**

F/R	Remarks	Re: Tbl
N	Bearing Walls	17-A
N	Int. Bearing Walls	
N	Ext. Non-bearing Walls	1903 (a)
N	Structural Frame	
N	Permanent Partitions	
N	Shaft Enclosures	
N	Floors	
N	Roofs	
N	Exterior Openings	1903 (b)

**BUILDING D : NEW CONSTRUCTION**

- Occupancy: TYPE E.1
- Construction: TYPE II-N
- Basic Allowable Area: 13,500 SF
- 2 Side Open 60 ft., 50% Increase
- Other Increases: N.A.
- Total Allowable Area per Floor/Total: 20,250 SF
- Actual SF: 17,938 GSF
- Mixed Occupancy Ratio: N.A.
- Allowable Stories: 1
- Allowable Height: 55 FEET
- Actual Stories: 1
- Actual Height: 25 FEET
- Structural Fire Protection**

F/R	Remarks	Re: Tbl
N	Bearing Walls	17-A
N	Int. Bearing Walls	
N	Ext. Non-bearing Walls	
N	Structural Frame	
N	Permanent Partitions	
N	Shaft Enclosures	
N	Floors	
N	Roofs	
N	Exterior Openings	1903 (b)



**MEZZANINE FLOOR PLAN**

1" = 20'-0"

**SECOND FLOOR PLAN**

1" = 20'-0"

**GROUND FLOOR PLAN**

1" = 20'-0"

**PROJECT INFORMATION:**

- TYPE OF PROJECT: New Construction
- LOCATION: Intersection of New Valley and Say Roads
- OWNER: Unified School District No. 320
- DISTRICT: U.S.D. #220
- COUNTY: Pottawatomie
- U.S.D. No. 320
- CITY: Wamego, Kansas

**PROJECT CERTIFICATION:**

- ARCHITECT: Kiene & Bradley Design Group
- CERTIFICATION: I certify that the submitted plans for the project comply with the requirements for:
  - 1988 Uniform Building Code
  - 1988 Uniform Mechanical Code
  - 1988 Uniform Plumbing Code
  - 1990 National Electrical Code
  - 1980 A.N.E.T. A117.1
  - 1988 Life Safety Code
- Design Consultant Signature/Date: *Andrew S. Stoffe 4/3/99*
- Design Consultant Seal:

	Maximum Enrollment - 500 (250 each sex)	
	No. Fixtures Required	No. Fixtures Required
<b>Boys</b>		
W.C.	5	13
Urinals	9	14
Lavatories	6	17
<b>Girls</b>		
W.C.	8	18
Lavatories	4	15
<b>Drinking Fountains</b>	1	11

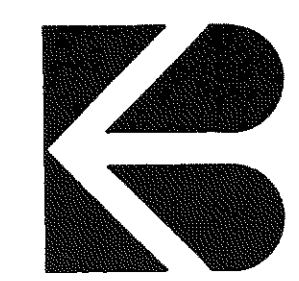
**SYMBOLS LEGEND**

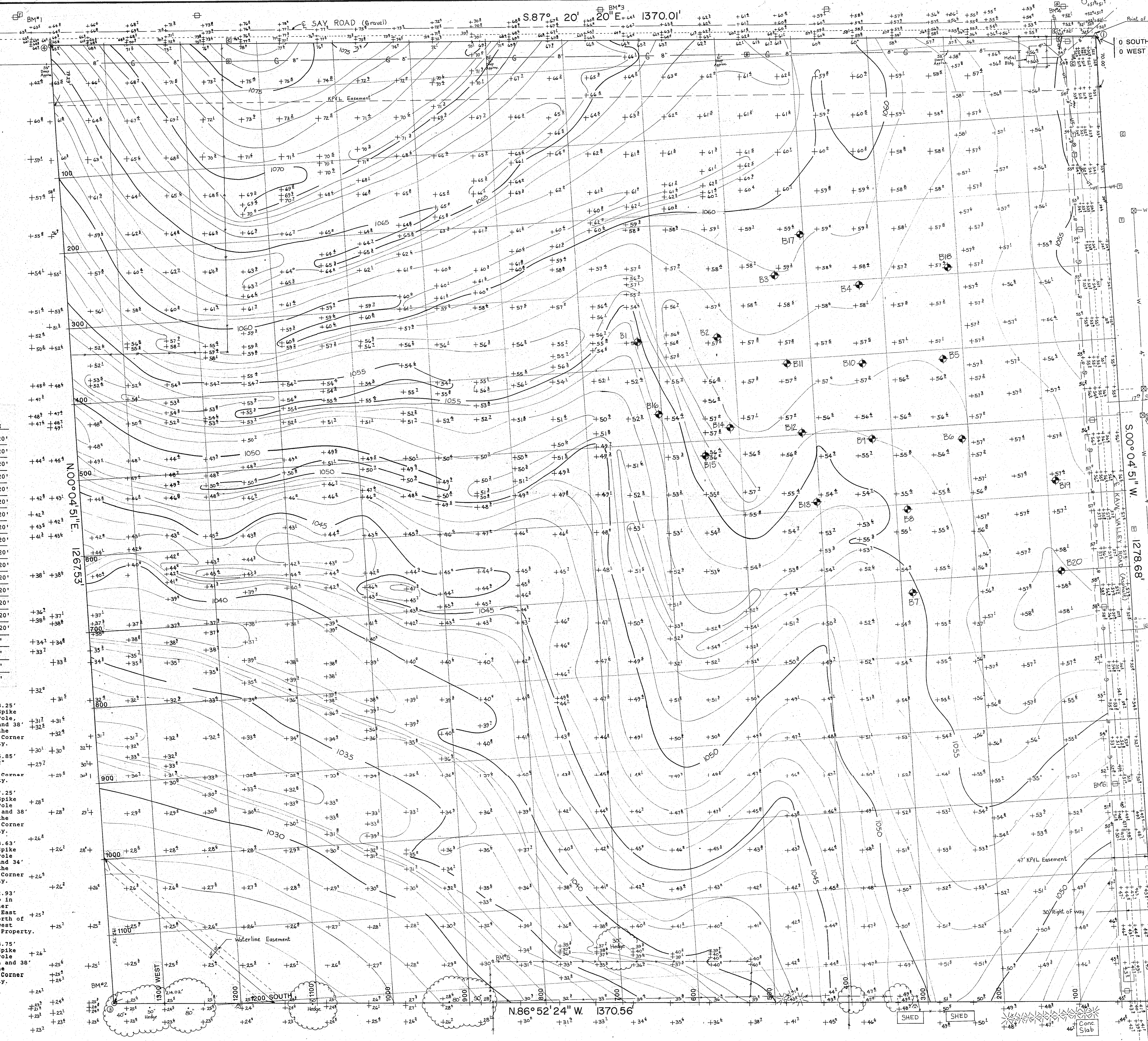
- 2 Hour area Separation Wall
- 1-1/2 Hour Openings
- 1 Hour Occupancy Separation Wall
- 1 Hour Openings
- 1 Hour Corridor Construction
- 20 Minute Openings
- Designated Exterior Exit
- Designated Horizontal Exit
- Exit Light

**ROOM LEGEND**

- C.L.A.B. COMPUTER LAB
- CONF. CONFERENCE ROOM
- C.R. CLASSROOM
- H.E.C. HOME ECONOMICS
- I.S.S. IN SCHOOL SUSPENSION
- J. JANITOR
- LER. LOCKER ROOM (GYM)
- N. NURSE ROOM
- O. OFFICE
- P. PRACTICE (MUSIC)
- S. STORAGE
- SCI. SCIENCE CLASSROOM
- W.R.M. WORKROOM (TEACHERS)

15. Water Supply: Municipal  
16. Sewage Disposal: Municipal





**DESCRIPTION.**  
 A tract of land in the Northeast Quarter of Section 5, Township 10 South, Range 10 East of the Sixth Principal Meridian in Pottawatomie County, Kansas described as follows:  
 Beginning at the northeast corner of the said Northeast Quarter of Section 5, being Corner 1, marked by a bolt; thence S 00°04'51" W 1278.68 feet along the east line of the said Northeast Quarter of Section 5, to Corner 2, marked by a 1/2" iron bar; thence N 86°52'24" W 1370.56 feet to Corner 3, marked by a 1/2" iron bar; thence N 00°04'51" E 1267.53 feet to the north line of the aforementioned Northeast Quarter of Section 5, to Corner 4, marked by a 1/2" iron bar; thence S 87°20'29" E 1370.01 feet to the point of beginning, containing 40.00 acres.

**CERTIFICATION.**  
 We hereby certify that we have surveyed the tract as shown on this drawing during the month of March, 1990.

SLOAN & MEIER SURVEYORS P.A.  
 Siegfund H. Meier, Land Surveyor

**Legend**  
 Power Pole  
 Fire Hydrant  
 Gas Meter  
 Water Meter  
 Telephone Pedestal  
 Cable TV Pedestal  
 1/2" Bar Set  
 High Pressure Gas  
 Transformer  
 Fence  
 Edge of Material  
 Spot Elevation 1074.2'  
 Property Corner Number

**Abbreviations**  
 T.R. = Top of Rim  
 F.L. = Flow Line

**Utilities**  
 Gas  
 Water  
 Underground Telephone  
 Sanitary Sewer

**TEST BORING COORDINATES**

NUMBER	SOUTH	WEST	DEPTH
B1	365'	626'	15'-20"
B2	365'	521'	15'-20"
B3	287'	440'	15'-20"
B4	306'	330'	15'-20"
B5	412'	227'	15'-20"
B6	519'	208'	15'-20"
B7	716'	286'	15'-20"
B8	606'	286'	15'-20"
B9	511'	326'	15'-20"
B10	411'	332'	15'-20"
B11	405'	432'	15'-20"
B12	497'	418'	15'-20"
B13	590'	405'	15'-20"
B14	484'	511'	15'-20"
B15	519'	546'	15'-20"
B16	462'	603'	15'-20"
B17	236'	404'	5'-8"
B18	292'	213'	5'-8"
B19	580'	89'	5'-8"
B20	700'	89'	5'-8"

**Benchmarks**

BM#1 = 1063.25'  
 Railroad Spike in Power Pole 46' West and 38' North of the Northwest Corner of Property.

BM#2 = 1025.85'  
 Top of 1/2" Rebar at Southeast Corner of Property.

BM#3 = 1067.25'  
 Railroad Spike in Power Pole 717' East and 38' North of the Northwest Corner of Property.

BM#4 = 1053.63'  
 Railroad Spike in Power Pole 51' West and 34' North of the Northeast Corner of Property.

BM#5 = 1032.93'  
 Spike Step in Fence Corner Post 564' East and 68' North of the Southwest Corner of Property.

BM#6 = 1053.75'  
 Railroad Spike in Power Pole 287' North and 38' West of the Southeast Corner of Property.

MIDDLE SCHOOL  
 WAMEGO U.S.D. 320

EXISTING SITE SURVEY

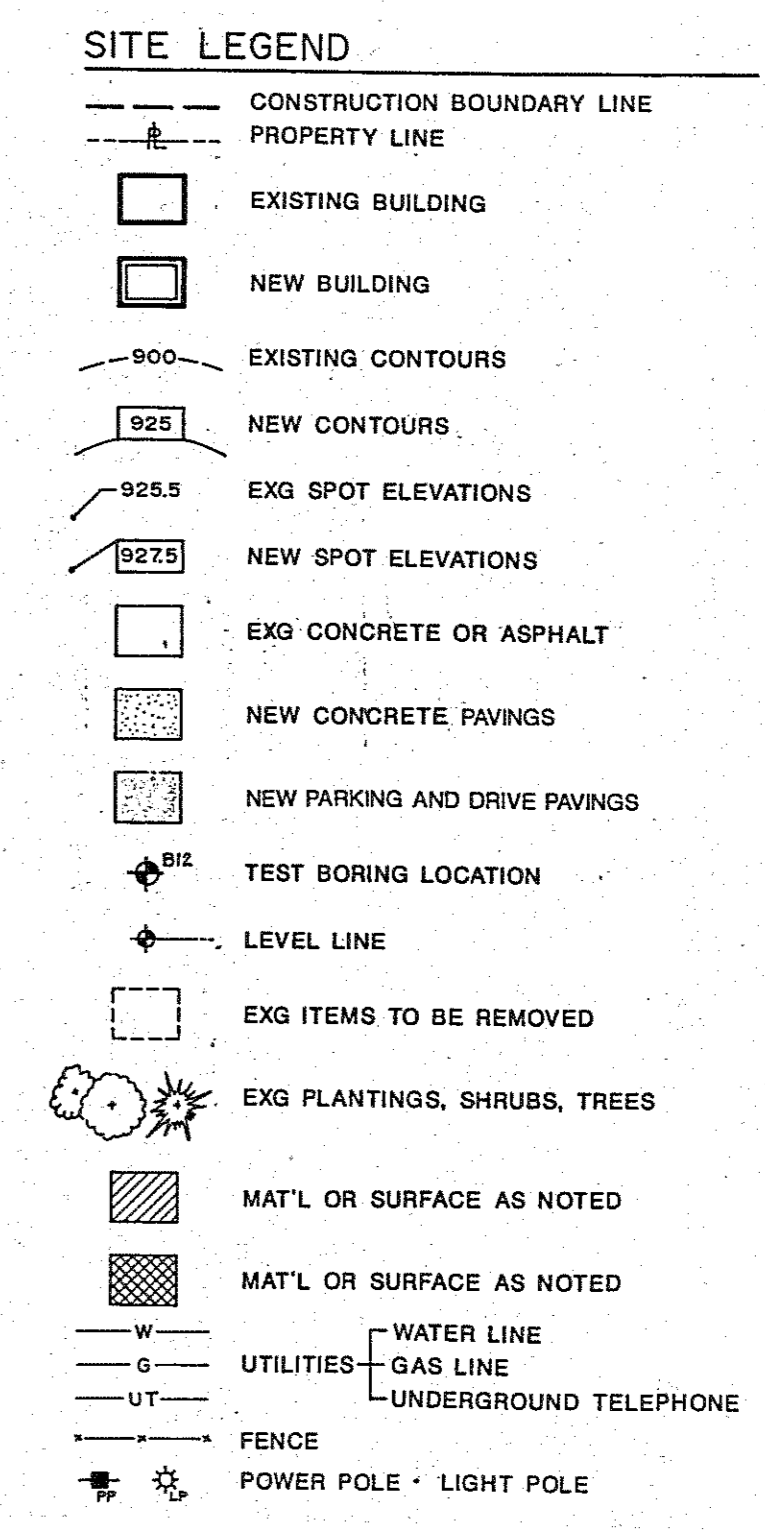
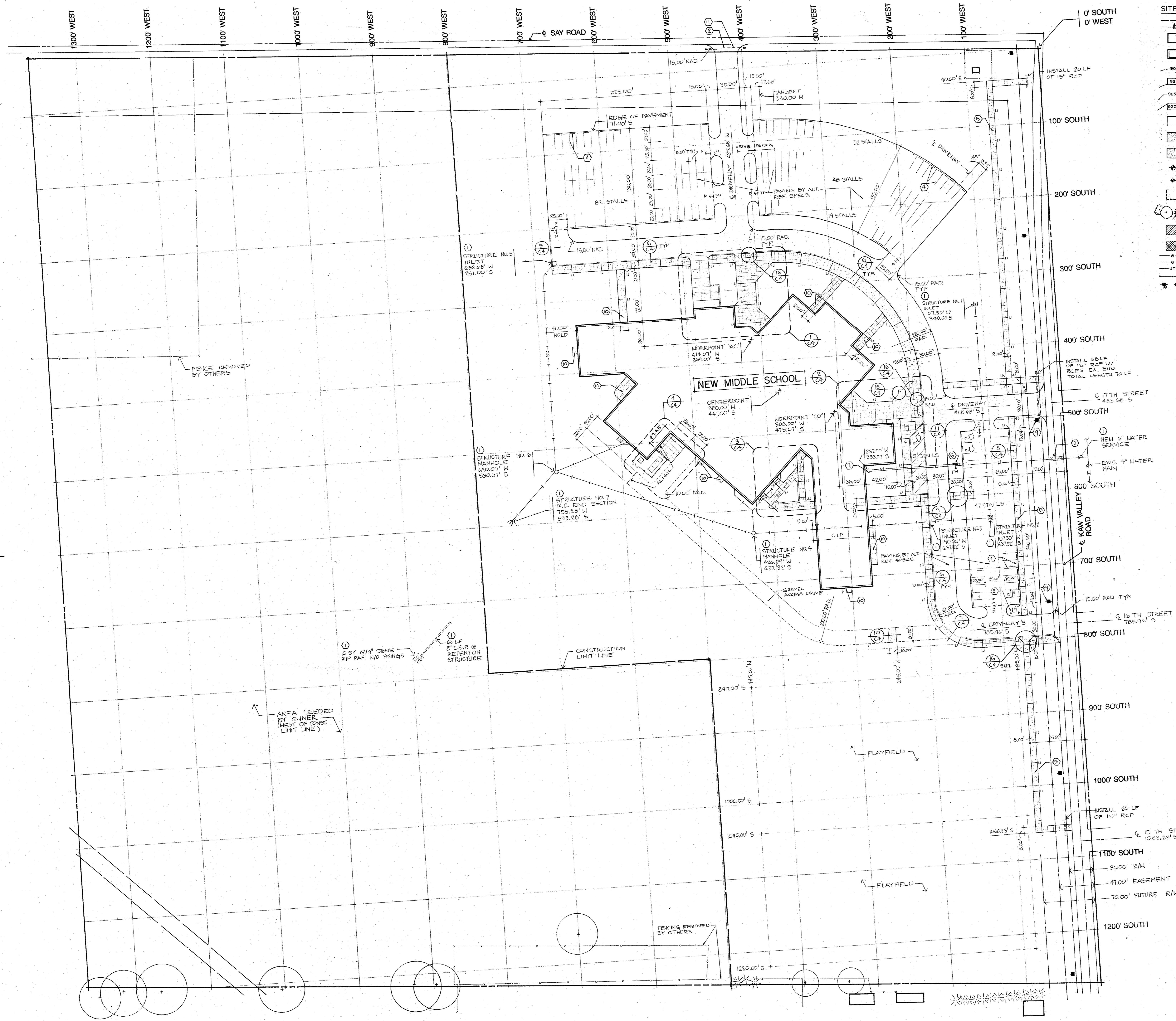
KIENE & BRADLEY DESIGN GROUP · AIA  
 CHARTERED  
 ARCHITECTS  
 TOPEKA

INTERIOR ARCHITECTURE  
 KANSAS

SLOAN & MEIER  
 SURVEYORS  
 3151 J Houston Street  
 Manhattan, Kansas 66502  
 913-776-0541

JOB NO. 89-36  
 DATE 1-8-91  
 REVISION

SHEET NO.  
 C1



**KEYED SITE NOTES - SITEWORK CONTRACT (JOB NO. 89-36-A)**

- 1 WORK INCLUDED IN THIS CONTRACT. REFER TO SHEET C4 (JOB NO. 89-36-A) FOR DETAILS.
- 2 CULVERT SHALL BE PROVIDED BY OTHERS.
- 3 THIS CONTRACTOR SHALL COORDINATE ALL WORK PERTAINING TO THE EXCAVATION AND REPAIR OF THE PAVING OF RAW VALLEY ROAD. CONTRACTOR SHALL FOLLOW ALL RULES AND DESIGN GUIDELINES CONCERNING BARRICADES AND TEMPORARY CONSTRUCTION, BACKFILLING AND PAVEMENT DESIGN.

**KEYED SITE NOTES - GENERAL CONTRACT (JOB NO. 89-36)**

- 4 PROVIDE PARKING STRIPING AND PRECAST CONCRETE WHEEL STOP (ANCHOR TO PAVEMENT). TYPICAL ALL LOTS. PROVIDE CENTER AND SHOULDER STRIPING ON ALL DRIVES PER RDP'S SPECS. SUBMIT LAYOUT TO ARCH.
- 5 CONSTRUCT NEW CONCRETE SIDEWALK PER CITY STANDARDS.
- 6 WATER METER PIT AND FIRE HYDRANT INSTALLED UNDER SITEWORK CONTRACT. MANHOLE ELEVATION & METER FIT IS DESIGNED AS 1055.50'. VERIFY AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- 7 CONNECT BUILDING WATER SERVICE LINES TO WATER LINES INSTALLED UNDER SITEWORK CONTRACT. REFER TO M/E DRAWINGS.
- 8 PROVIDE TWO PIPE BOLLARDS, REF. TO DETL 19/C4, AT GAS METER. REFER TO M/E DRAWINGS FOR LOCATION.
- 9 VERIFY LOCATION OF POWER POLES AND GUY WIRES. PROTECT AND/OR RELOCATE POLES AND/OR GUY WIRES AS REQUIRED.
- 10 REFER TO FLOOR PLANS FOR PAVING DIMENSIONS AND JOINTING.
- 11 ENTRANCE, CULVERT AND REGRADING OF EXISTING DITCH SHALL BE BY THE COUNTY ROAD DEPARTMENT. THIS CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH THE POTAWATOMIE COUNTY ENGINEER.

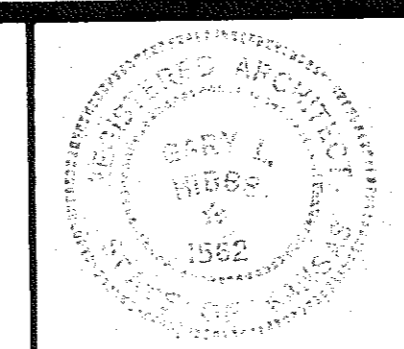
**GENERAL SITE NOTES**

1. REFER TO SHEET C1 FOR ALL BENCHMARKS.
2. A GEOLOGICAL INVESTIGATION REPORT HAS BEEN PREPARED BY BARNETT, STUART & ASSOCIATES, INC. CONSULTING ENGINEERS AND IS INCLUDED IN DIVISION 2 OF THE PROJECT SPECIFICATIONS. REFER TO SHEET C1 FOR TEST BORING LOCATIONS.
3. THIS CONTRACTOR SHALL REPAIR DAMAGE TO ANY AREA OF THE SITE PREVIOUSLY SEEDED.
4. THIS CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND CONTOURS AS SHOWN ON SHEET C1. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.
5. SITE DIMENSIONS ARE TO FACE OF MASONRY OR BACK OF CURB, UNLESS NOTED OTHERWISE.
6. ALL CONCRETE JOINTS SHOWN ARE CONTROL JOINTS (CJ) EXCEPT ISOLATION JOINTS SHOWN (IJ).
7. THIS CONTRACTOR SHALL REPAIR OR REPLACE ALL DAMAGED OR DISTURBED EXISTING PAVINGS AND/OR THEIR SUB-BASES.
8. ALL CONCRETE WALKS SHALL BE 4" THICK CONCRETE W/ 6X6 10/10 W/F UNLESS NOTED OTHERWISE. REFER TO DETAILS FOR DESIGN OF OTHER CONCRETE PAVINGS. ALL WALKS SHALL HAVE A CROSS SLOPE OF .5% UNLESS INDICATED OTHERWISE.
9. REFER TO MECH./ELEC. DRAWINGS FOR THE LOCATIONS OF ALL UTILITIES OTHER THAN THOSE SHOWN ON SHEETS C1, C2, AND C3.
10. THIS CONTRACTOR SHALL SEED ALL AREAS OF THE SITE NOT PREVIOUSLY SEEDED, AS WELL AS, REPAIRING DAMAGE TO PREVIOUSLY SEEDED AREAS PER NOTE NO. 3.
11. REFER TO SHEET C1 FOR LOCATIONS OF ALL EXISTING UTILITIES. IF ANY WORK REQUIRED BY THESE DRAWINGS INTERFERES WITH ANY UTILITY LINES (BURIED OR OVERHEAD) OR ANY UTILITY APPURTENANCES, NOTIFY ARCHITECT IMMEDIATELY.

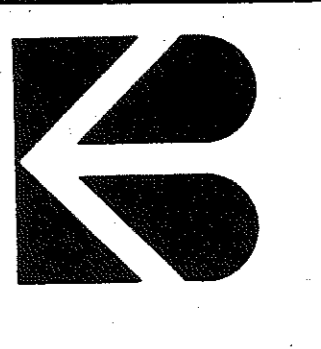
1 SITE PLAN - DIMENSIONED  
 2  
 1" = 50'  
 NORTH

MIDDLE SCHOOL  
 WAMEGO U.S.D. 320

SITE PLAN - DIMENSIONED



**KIENE & BRADLEY DESIGN GROUP · AIA**  
 CHARTERED  
 ARCHITECTS  
 TOPEKA  
 INTERIOR ARCHITECTURE  
 KANSAS



JOB NO. 89-36  
 DATE 4-8-91  
 REVISION

SHEET NO.  
 C2  
 2 of 4



**SITE LEGEND**

- CONSTRUCTION BOUNDARY LINE
- - - PROPERTY LINE
- ▭ EXISTING BUILDING
- ▭ NEW BUILDING
- - - EXISTING CONTOURS
- ▭ NEW CONTOURS
- EXG SPOT ELEVATIONS
- NEW SPOT ELEVATIONS
- ▭ EXG CONCRETE OR ASPHALT
- ▭ NEW CONCRETE PAVINGS
- ▭ NEW PARKING AND DRIVE PAVINGS
- TEST BORING LOCATION
- LEVEL LINE
- ▭ EXG ITEMS TO BE REMOVED
- EXG PLANTINGS, SHRUBS, TREES
- ▭ MAT'L OR SURFACE AS NOTED
- ▭ MAT'L OR SURFACE AS NOTED
- w- WATER LINE
- g- GAS LINE
- ut- UNDERGROUND TELEPHONE
- f- FENCE
- POWER POLE - LIGHT POLE

- KEYED SITE NOTES - SITEMARK CONTRACT (JOB NO. 89-36-A)**
- 1 ENTRANCE, CULVERT AND REGRADING OF EXISTING DITCH SHALL BE BY THE COUNTY ROAD DEPARTMENT. THIS CONTRACTOR SHALL COORDINATE REQUIREMENTS WITH THE POTWATAMIE COUNTY ENGINEER.
  - 2 REGRADE EXISTING DITCH FROM ELEV. 1053.10' AT THE SOUTH, NORTH TO ELEV. 1051.00'. APPROXIMATELY 380 LF.
  - 3 REGRADE EXISTING DITCH FROM ELEV. 1056.00' AT THE SOUTH, NORTH TO ELEV. 1053.80'. APPROXIMATELY 260 LF.

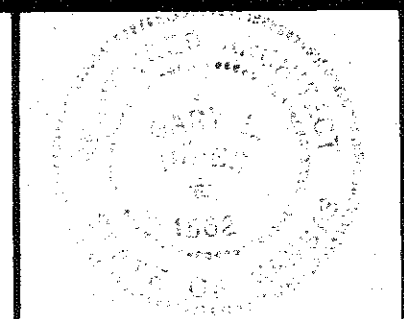
- KEYED SITE NOTES - GENERAL CONTRACT (JOB NO. 89-36)**
- 4 MATCH NEW PAVING ELEVATIONS TO EXISTING PAVING ELEVATIONS.
  - 5 THE FINAL FINISH FLOOR ELEVATION MAY VARY DUE TO ALTERNATE POSSIBILITIES ON THE SITEMARK CONTRACT (JOB NO. 89-36-A). RANGE OF FINISH FLOOR LINE IS 1056.50' TO 1057.00'. FINAL FINISH FLOOR LINE AND SPOT ELEVATIONS INDICATED WILL BE ISSUED BY ADDENDUM UPON ACCEPTANCE OF SITEMARK CONTRACT AND ANY ALTERNATES. ENLARGED SITE PLAN AREAS 1, 2, 3 AND 4/C4 WILL BE REGRADED AND REISSUED AS REQUIRED.
  - 6 THIS CONTRACTOR WILL REGRADE BUILDING PAD AREAS OUTSIDE OF BUILDING LINE TO PROVIDE FOR FINAL PAVING DESIGNS AND FINAL THICKNESSES OF TOP SOIL, TYPICAL.
  - 7 REFER TO KEYED SITE NOTE NO. 1 (JOB NO. 89-36-A) FOR WORK IN THIS AREA.
  - 8 PROVIDE CENTER SWALE AT DRIVE WITH A 1/2% CROSS SLOPE
  - 9 PROVIDE CROSS SLOPE ACROSS DRIVE OF 1%

- GENERAL SITE NOTES**
1. REFER TO SHEET C1 FOR ALL BENCHMARKS.
  2. A GEOLOGICAL INVESTIGATION REPORT HAS BEEN PREPARED BY BARNETT, STUART & ASSOCIATES, INC. CONSULTING ENGINEERS AND IS INCLUDED IN DIVISION 2 OF THE PROJECT SPECIFICATIONS. REFER TO SHEET C1 FOR TEST BORING LOCATIONS.
  3. THIS CONTRACTOR SHALL REPAIR DAMAGE TO ANY AREA OF THE SITE PREVIOUSLY SEEDED.
  4. THIS CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND CONTOURS AS SHOWN ON SHEET C1. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.
  5. SITE DIMENSIONS ARE TO FACE OF MASONRY OR BACK OF CURB, UNLESS NOTED OTHERWISE.
  6. ALL CONCRETE JOINTS SHOWN ARE CONTROL JOINTS (CJ) EXCEPT ISOLATION JOINTS SHOWN (IJ).
  7. THIS CONTRACTOR SHALL REPAIR OR REPLACE ALL DAMAGED OR DISTURBED EXISTING PAVINGS AND/OR THEIR SUB-BASES.
  8. ALL CONCRETE WALKS SHALL BE 4" THICK CONCRETE W/ 6X6 10/10 WWF UNLESS NOTED OTHERWISE. REFER TO DETAILS FOR DESIGN OF OTHER CONCRETE PAVINGS. ALL WALKS SHALL HAVE A CROSS SLOPE OF .5% UNLESS INDICATED OTHERWISE.
  9. REFER TO MECH./ELEC. DRAWINGS FOR THE LOCATIONS OF ALL UTILITIES OTHER THAN THOSE SHOWN ON SHEETS C1, C2, AND C3.
  10. THIS CONTRACTOR SHALL SEED ALL AREAS OF THE SITE NOT PREVIOUSLY SEEDED, AS WELL AS REPAIRING DAMAGE TO PREVIOUSLY SEEDED AREAS PER NOTE NO. 3.
  11. REFER TO SHEET C1 FOR LOCATIONS OF ALL EXISTING UTILITIES. IF ANY WORK REQUIRED BY THESE DRAWINGS INTERFERES WITH ANY UTILITY LINES (BURIED OR OVERHEAD) OR ANY UTILITY APPURTENANCES, NOTIFY ARCHITECT IMMEDIATELY.

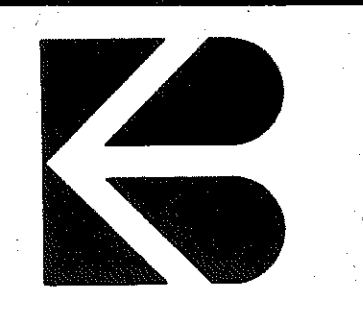
**SITE PLAN - GRADING**  
 NORTH  
 1" = 50'

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 WAMEGO U.S.D. 320**

**SITE PLAN - GRADING**



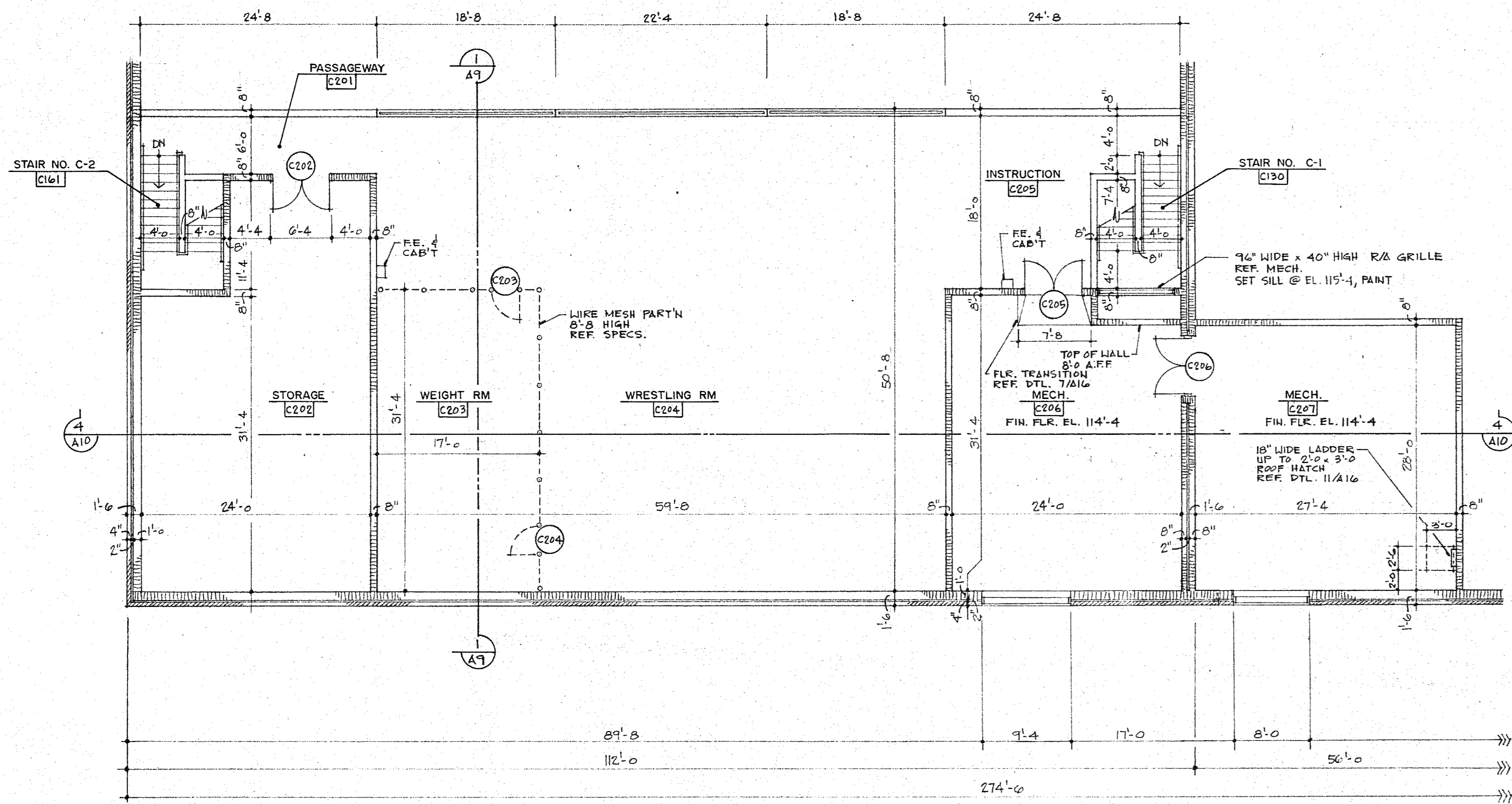
**KIENE & BRADLEY DESIGN GROUP · AIA**  
 CHARTERED  
 ARCHITECTS  
 TOPEKA  
 INTERIOR ARCHITECTURE  
 KANSAS



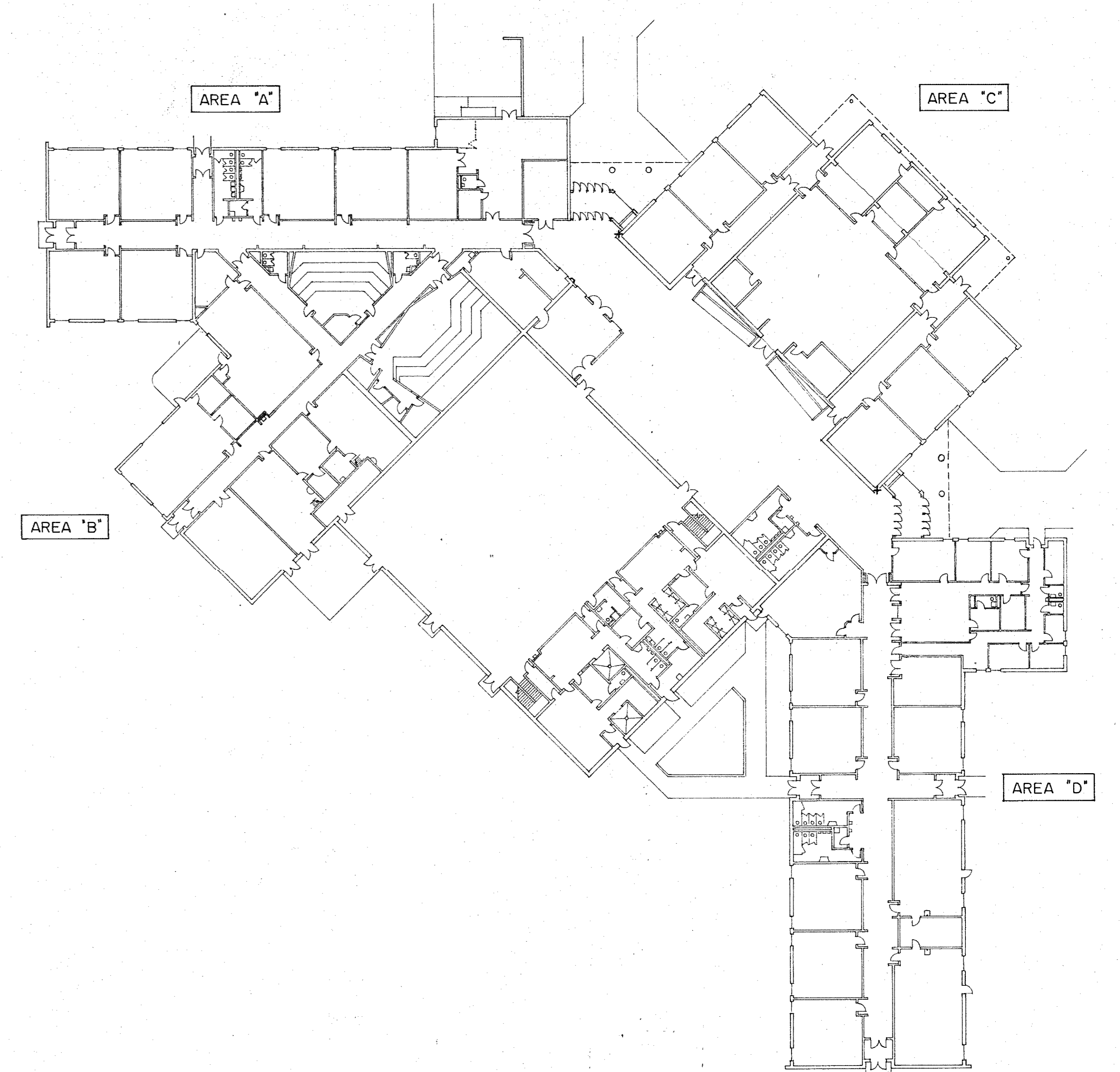
JOB NO. 89-36  
 DATE 4-8-91  
 REVISION

SHEET NO.  
**C3**





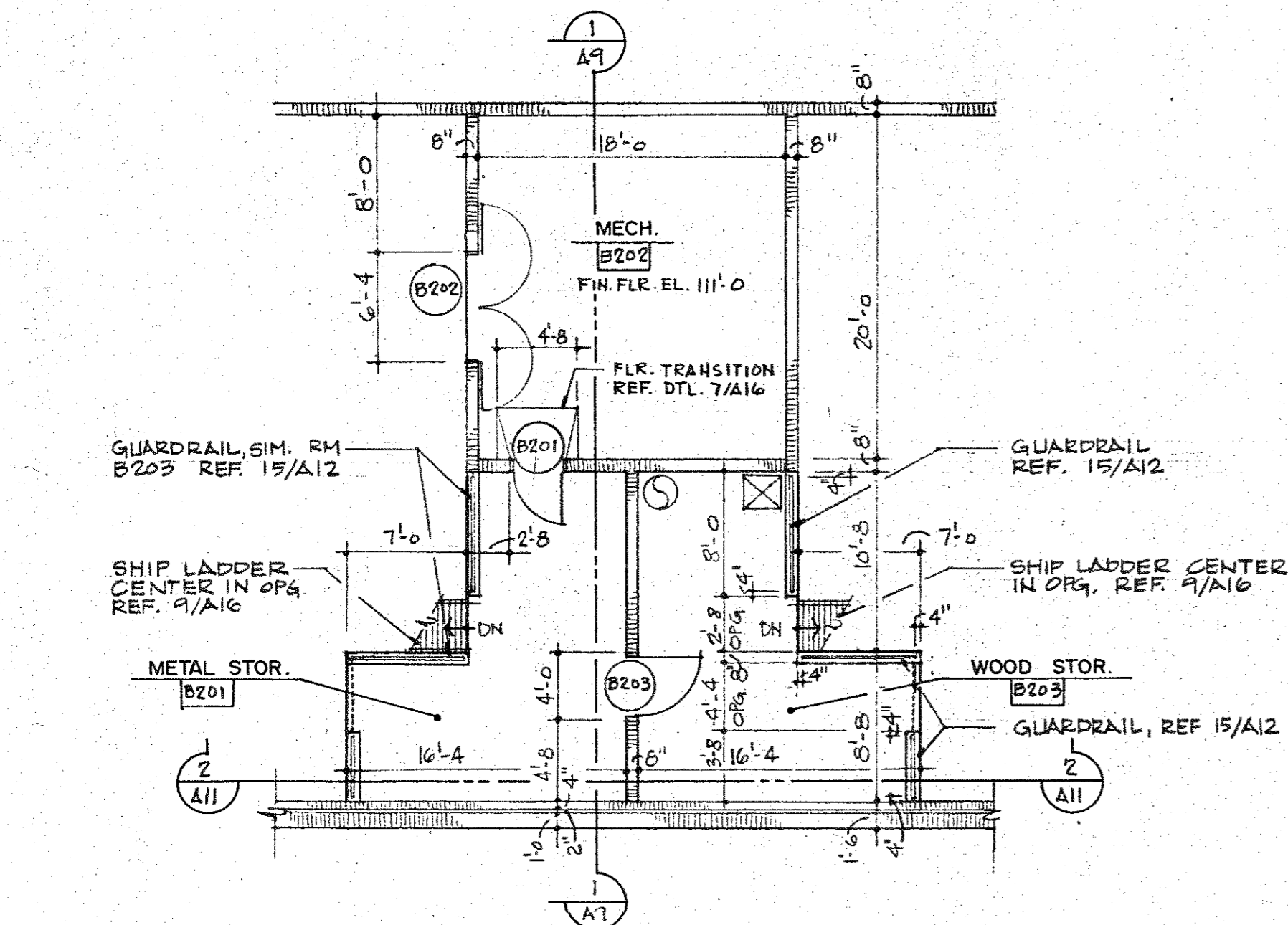
**AREA "C" - INSTRUCTIONAL & MECH. MEZZANINE**  
 1/8" = 1'-0"  
 GROSS SQ. FEET 6,688 SF  
 ELEVATION FF. LINE 114'-0" (U.N.O.)



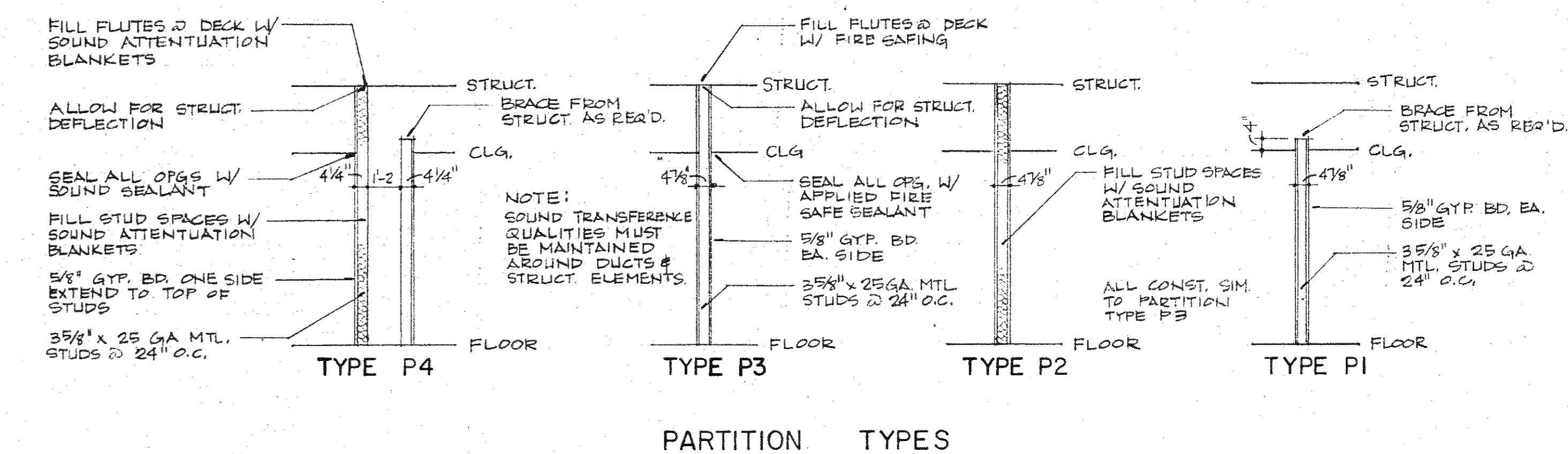
**KEY FLOOR PLAN**  
 1/32" = 1'-0"  
 NORTH

**GENERAL NOTES TO FLOOR PLANS**

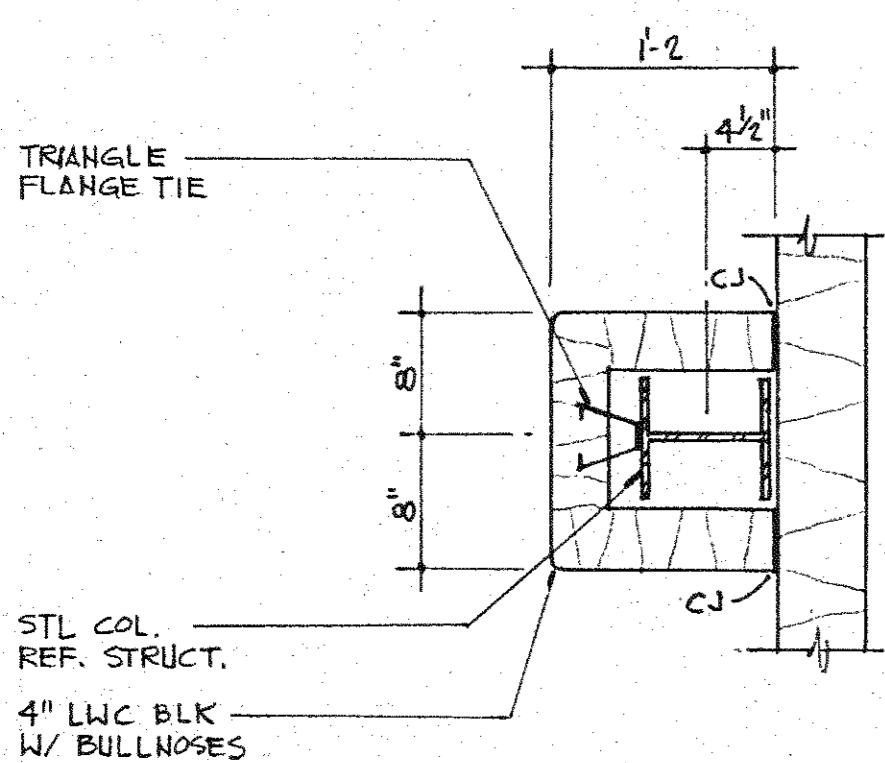
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONSTRUCTION CONDITIONS. CONTRACTOR SHALL NOTIFY ARCHITECT PRIOR TO INSTALLATION OF WORK UNDER QUESTION IF ANY INCONSISTENCIES, ERRORS, OR CONDITIONS EXIST THAT WOULD CAUSE A CHANGE IN THE CONSTRUCTION DOCUMENTS.
- ALL DIMENSIONS ARE TO FACE OF MASONRY AND FACE OF GYPSUM BOARD, UNLESS NOTED OTHERWISE. PARTITIONS THICKNESSES DIMENSIONED ARE NOMINAL MASONRY THICKNESSES. ALL ROUGH OPENING DIMENSIONS ARE NOMINAL, UNLESS NOTED OTHERWISE.
- ALL OUTSIDE 90 DEG. CORNERS AT MASONRY WALLS SHALL HAVE BULLNOSE CORNERS. SEE SPECIFIC JAMB DETAILS FOR LOCATION OF BULLNOSE CORNERS.
- UNLESS DIMENSIONED OTHERWISE, ALL ROUGH OPENINGS AT JAMBS SHALL BE 8" FROM NEAREST INTERSECTING WALL.
- SEE REFLECTED CEILING PLAN FOR HEIGHT OF MASONRY PARTITIONS AND LOCATION OF FIRE-RATED PARTITIONS. SEE PARTITION TYPES, SHEET A1, FOR HEIGHT AND CONSTRUCTION OF FRAME PARTITIONS.
- REFER TO STRUCTURAL PLANS FOR LOCATION OF ALL VERTICAL REINFORCING IN MASONRY WALLS.
- DENOTES HOLLOW METAL FRAME TYPE.
- DENOTES METAL CLAD, WOOD FRAME TYPE.
- PROVIDE 3-1/2" THICK CONCRETE HOUSEKEEPING PAT AT ALL EQUIPMENT IN MECHANICAL ROOMS AND BELOW ALL SURFACE MOUNTED ELECTRICAL PANELS. EXTEND PAD 6" BEYOND EQUIPMENT SUPPORT LEGS ALL SIDES. REFER TO MECHANICAL PLANS FOR EQUIPMENT LAYOUT.
- DRAWING REFERENCE NUMBER BELOW ROOM NUMBER, REFERS TO DETAIL AND/OR ENLARGED PLAN, EQUIPMENT AND/OR SPECIALTIES PLAN, CASEWORK PLAN, ETC.
- REFER TO ELEVATIONS FOR CONTROL JOINT LOCATIONS IN EXTERIOR WALLS. CONTROL JOINTS ON PLANS INDICATED BY "CJ".



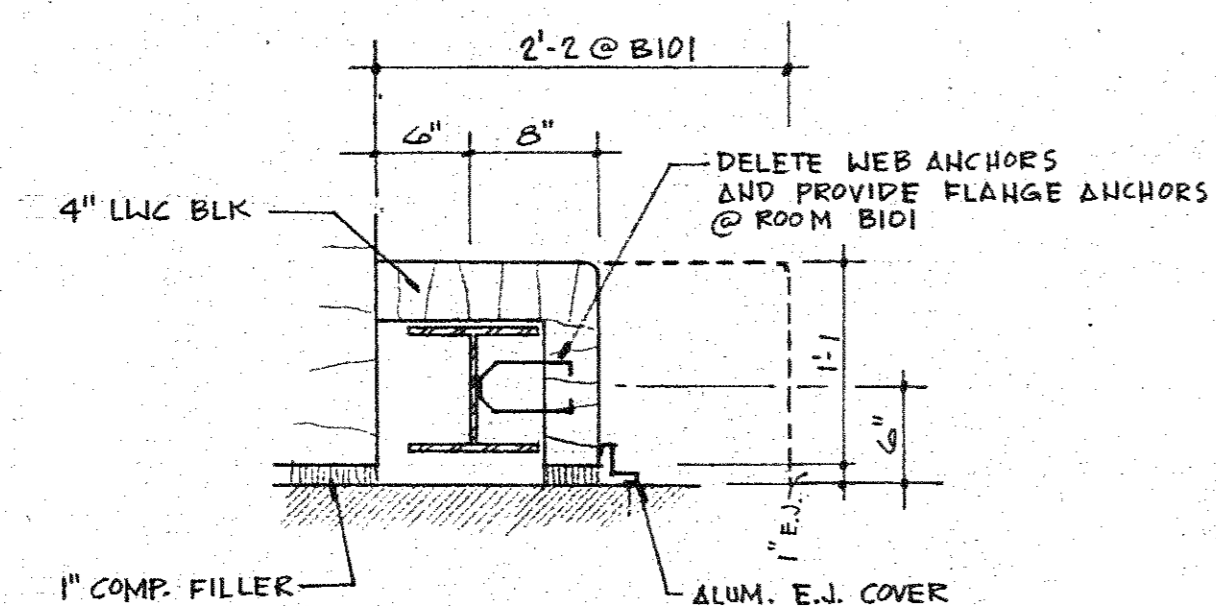
**AREA "B" - MECH. & STOR. MEZZANINE**  
 1/8" = 1'-0"  
 GROSS SQ. FEET 1,154 SF  
 ELEVATION FF. LINE 110'-8" (U.N.O.)



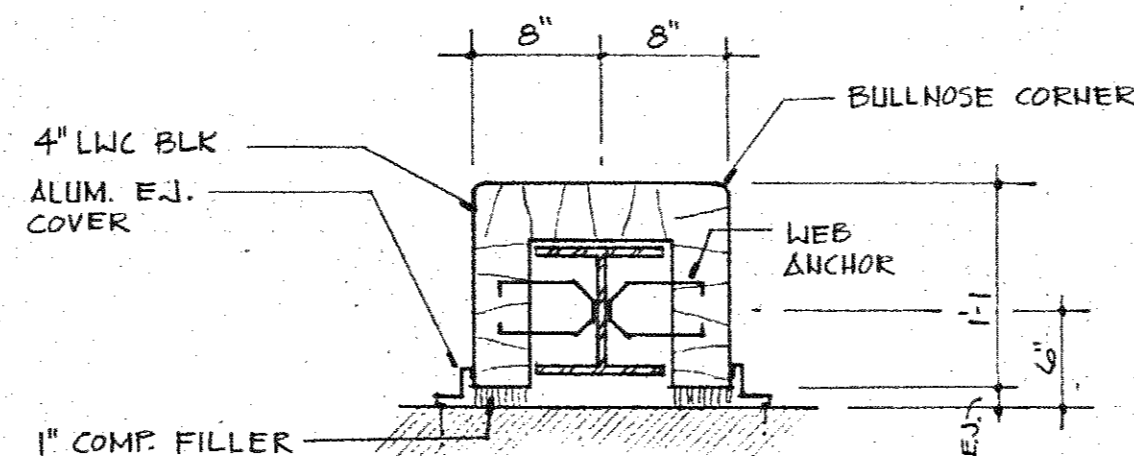
**PARTITION TYPES**



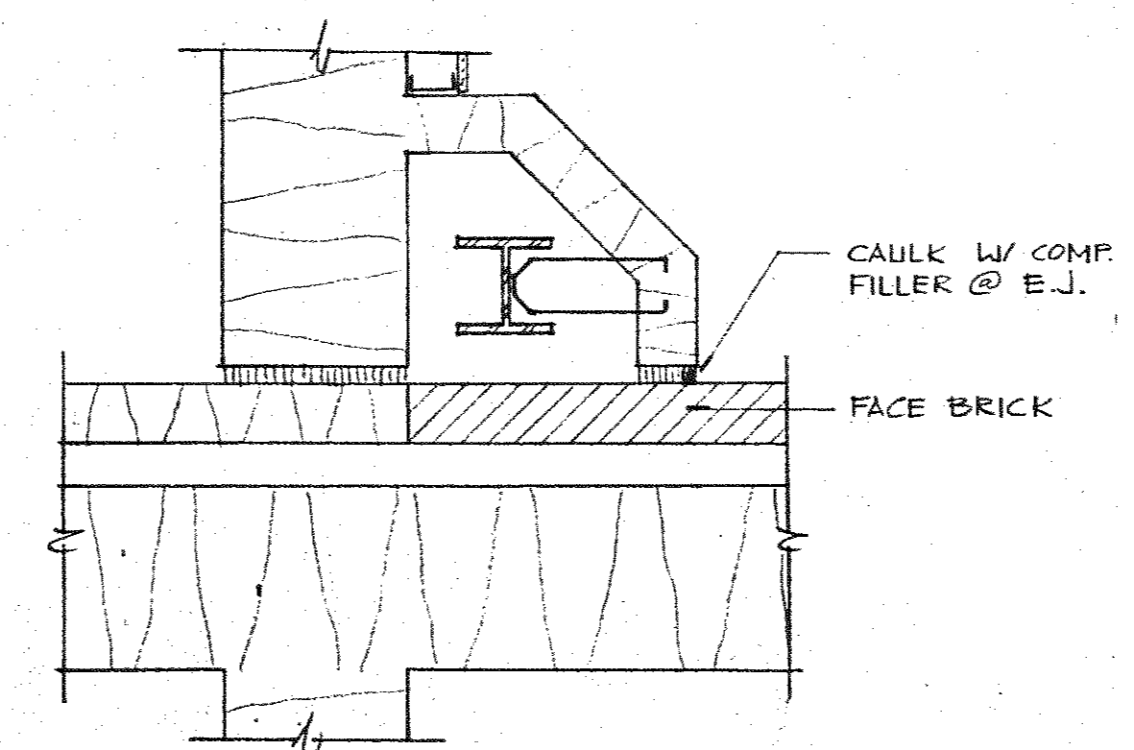
**COL. DETAIL - RM B130**  
 1" = 1'-0"



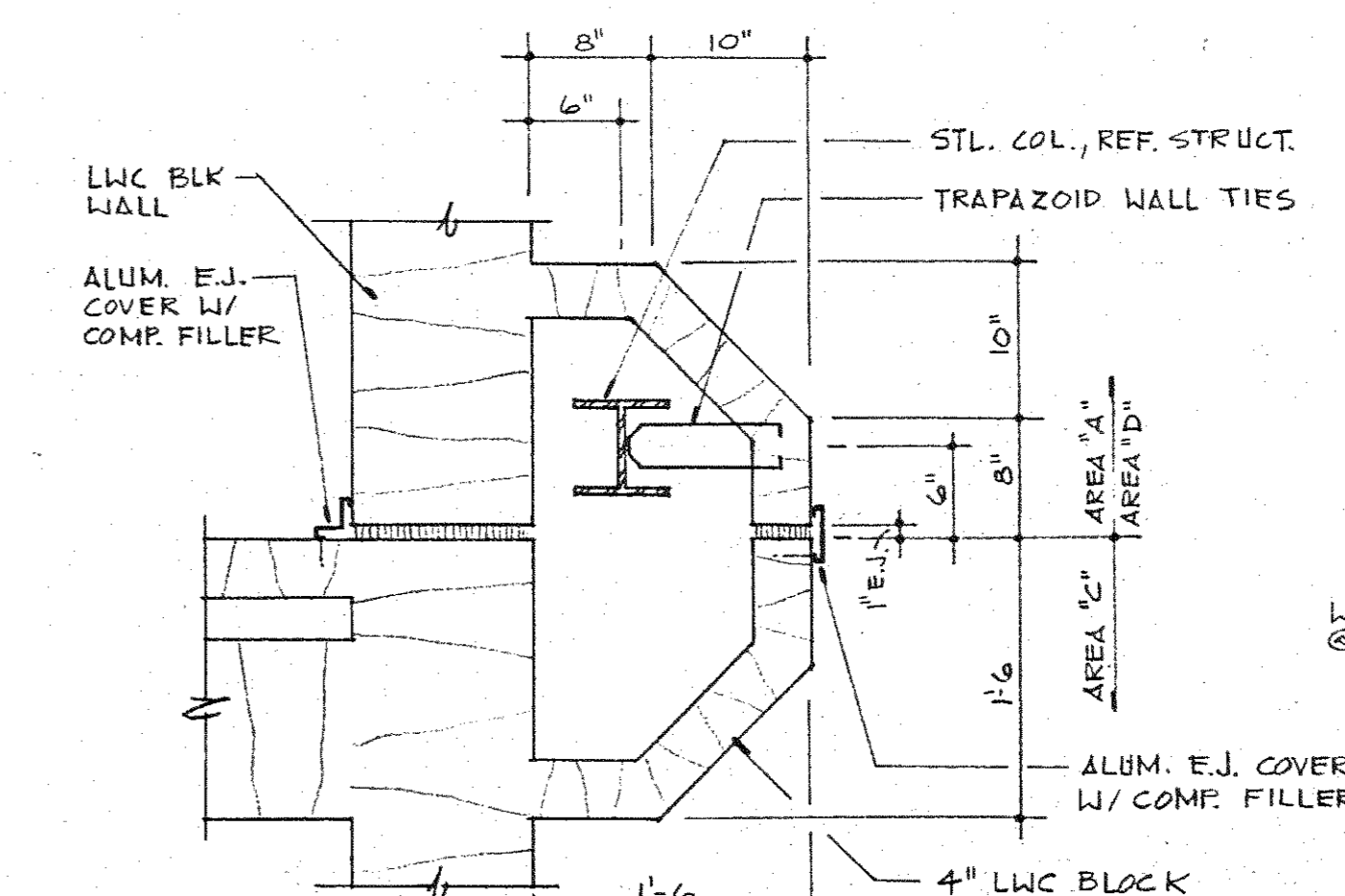
**COL. DETAIL - AREA "B"**  
 1" = 1'-0"



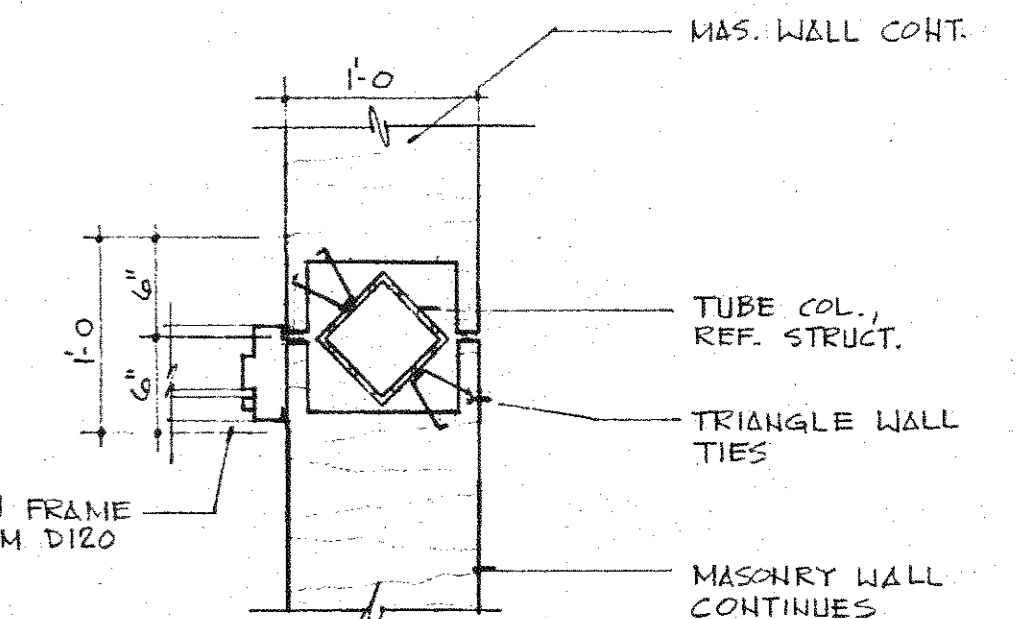
**COLUMN DETAIL - AREA "B"**  
 1" = 1'-0"



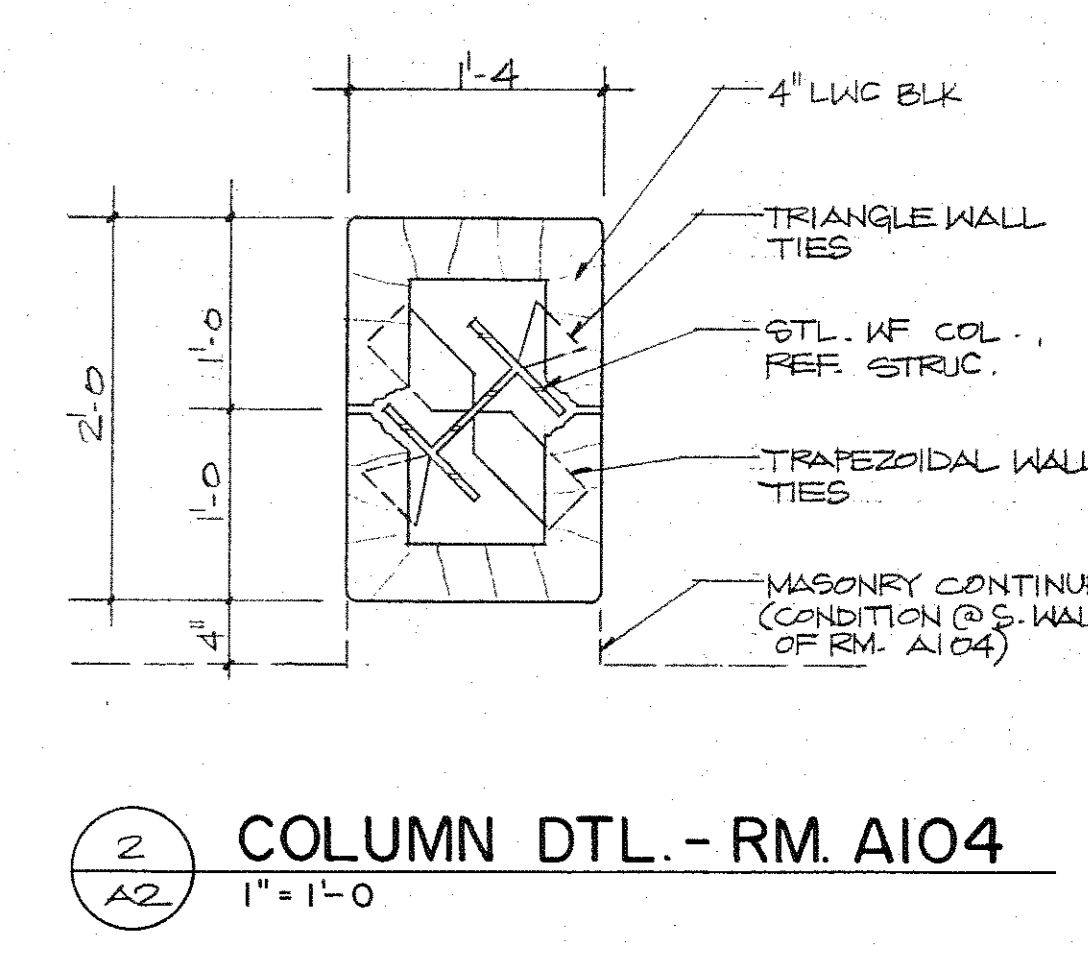
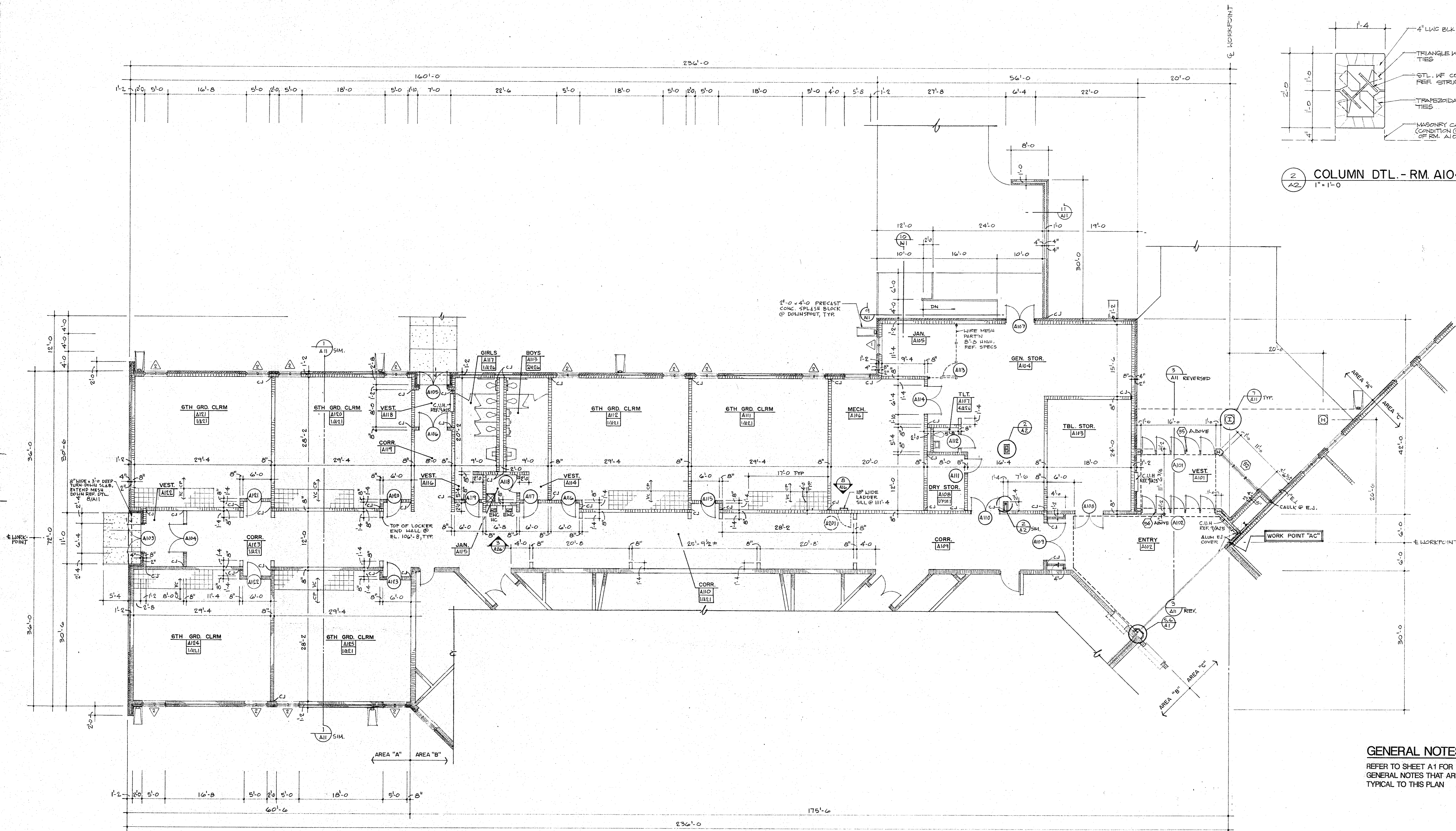
**COL. DTL. - RM A102 (ABOVE 110'-4")**  
 1" = 1'-0" RM D102 SIM.



**COL. DTL. - RM A102 (BELOW 110'-4")**  
 1" = 1'-0" RM D102 SIM.



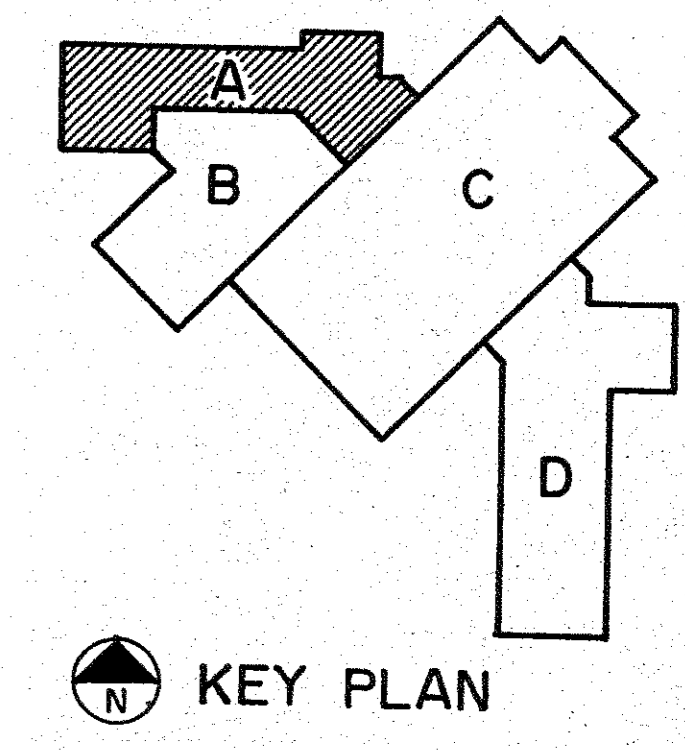
**COLUMN DTLS - RM D120**  
 1" = 1'-0"



**FLOOR PLAN - AREA "A"**  
 1/8" = 1'-0"

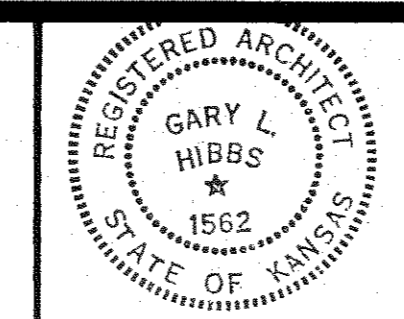
LAST ROOM NUMBER USED: A125  
 LAST DOOR NUMBER USED: A123 & A201  
 GROSS SQ. FEET: 12,329 SF.  
 FINISH FLOOR LINE = 100'-0"  
 UNLESS NOTED OTHERWISE

**GENERAL NOTES**  
 REFER TO SHEET A1 FOR  
 GENERAL NOTES THAT ARE  
 TYPICAL TO THIS PLAN



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FLOOR PLAN - AREA "A"



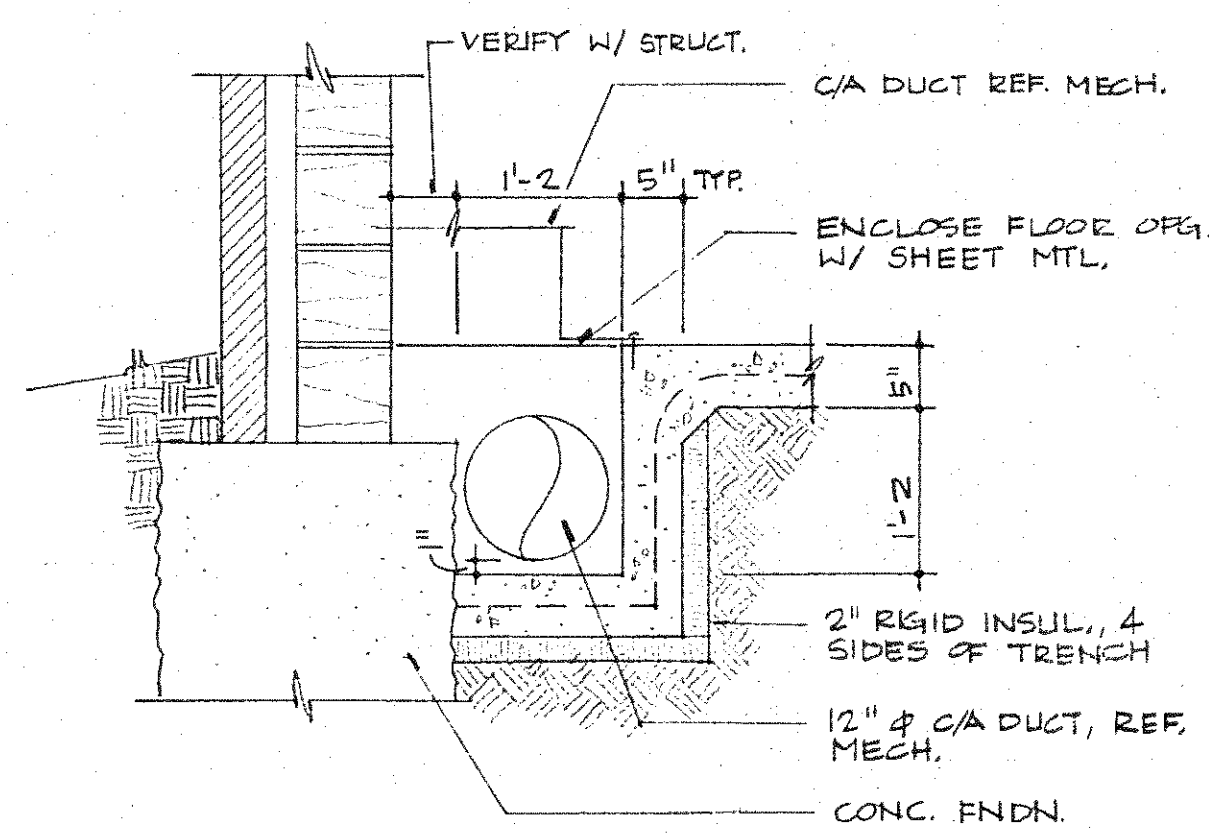
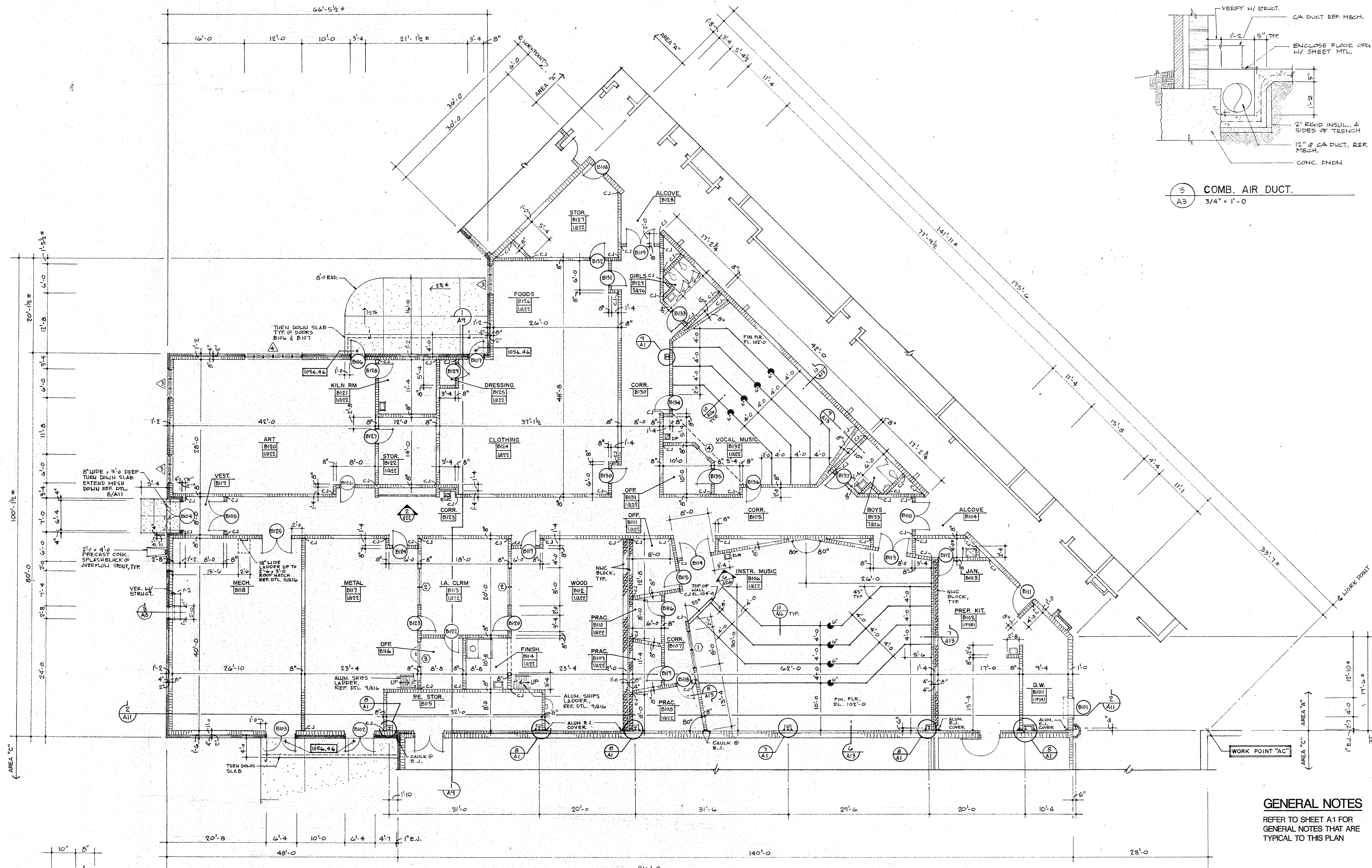
**KIENE & BRADLEY DESIGN GROUP · AIA**  
 CHARTERED  
 ARCHITECTS TOPEKA  
 INTERIOR ARCHITECTURE KANSAS



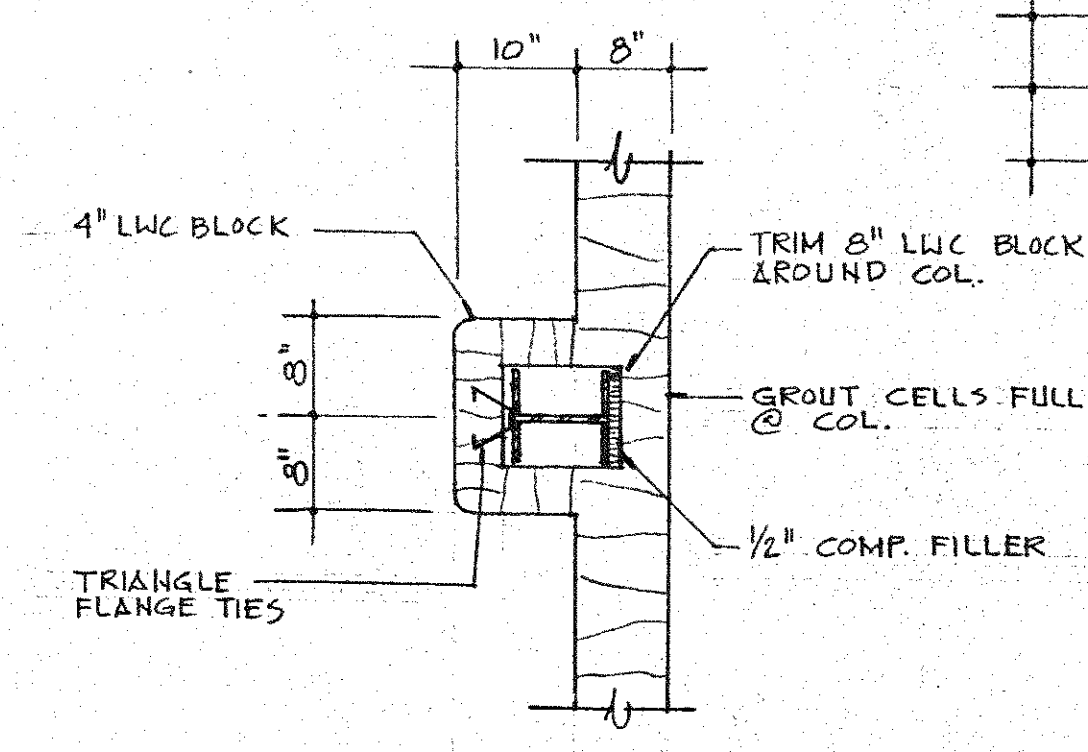
JOB NO. 89-36  
 DATE 4-8-91  
 REVISION

SHEET NO.  
 A2





3 COMB. AIR DUCT.  
3/4" = 1'-0"

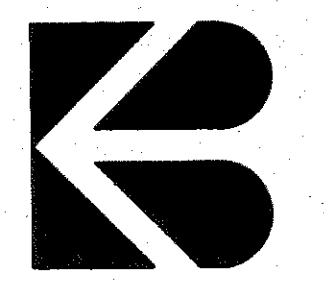
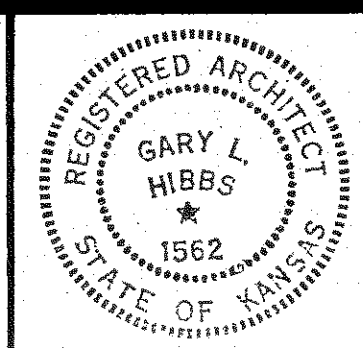
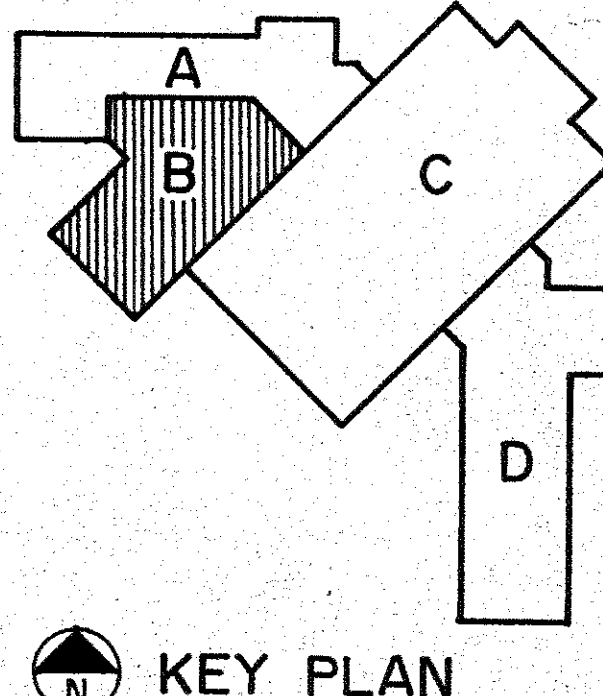


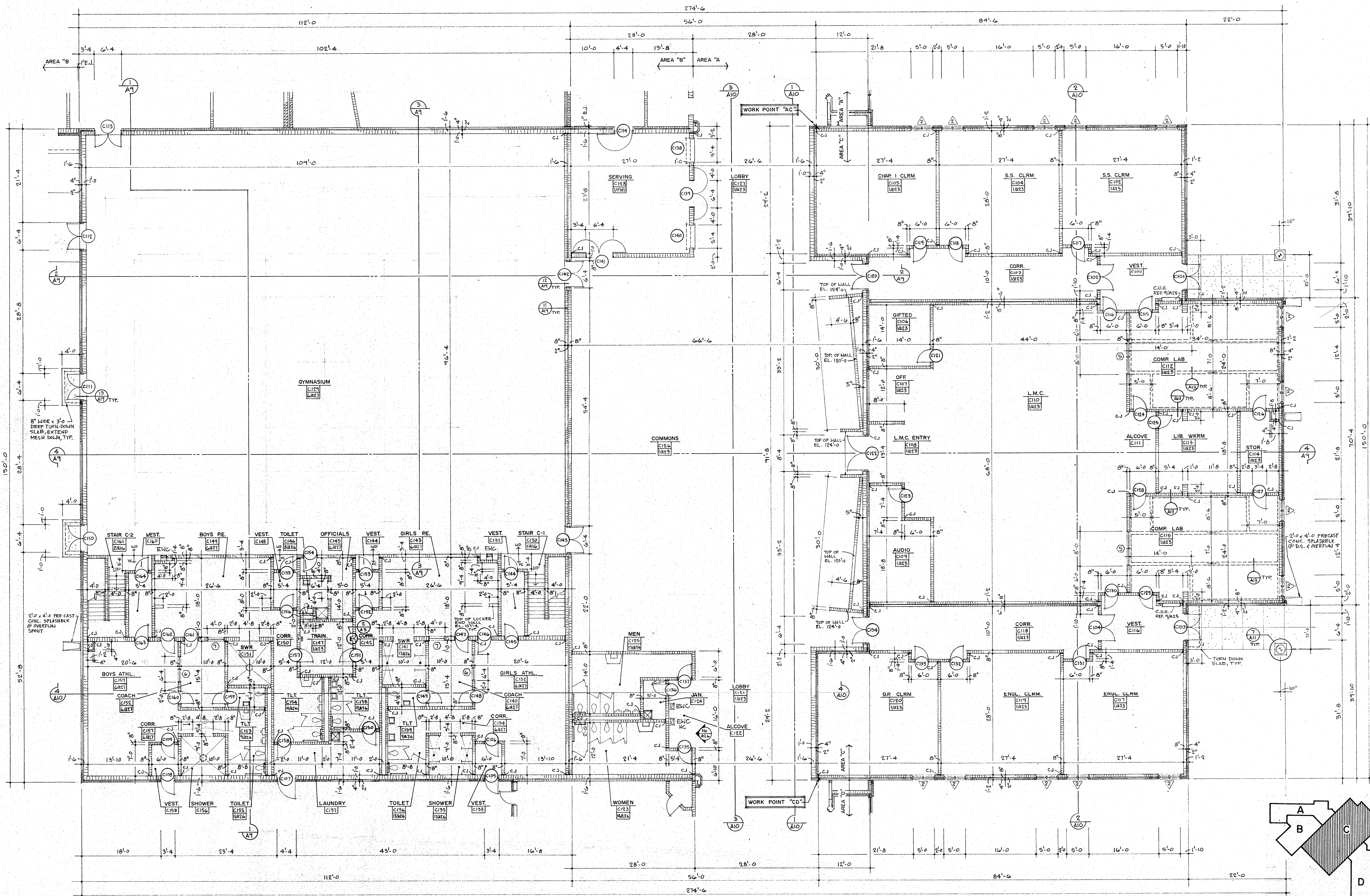
2 COLUMN DETAIL - ROOM CI47  
3/4" = 1'-0"

1 FLOOR PLAN - AREA "B"  
3/8" = 1'-0"

LAST ROOM NUMBER USED: B133 - B203  
LAST DOOR NUMBER USED: B137 (B121 NOT USED) - B203  
GROSS SQUARE FEET: 14,596 S.F.  
FINISH FLOOR LINE 100'-0"  
UNLESS NOTED OTHERWISE

GENERAL NOTES  
REFER TO SHEET A1 FOR  
GENERAL NOTES THAT ARE  
TYPICAL TO THIS PLAN

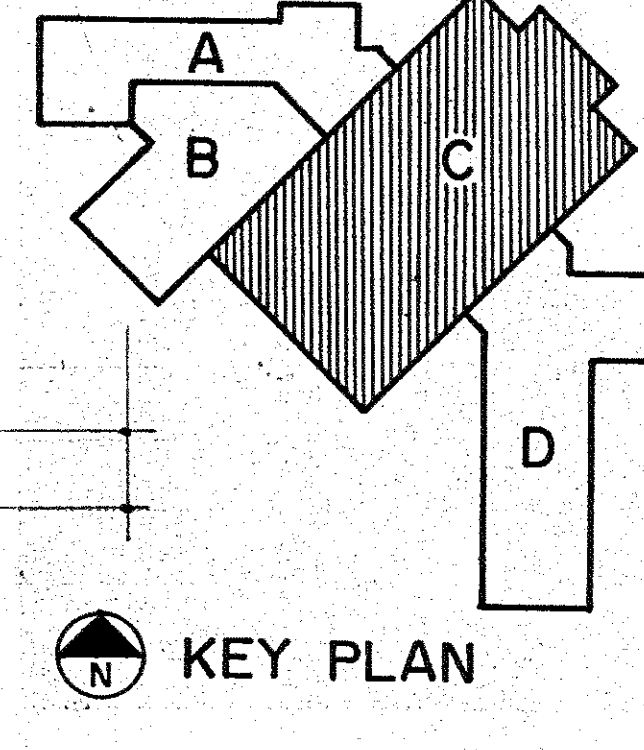




TRUE NORTH PLAN NORTH  
 1 A4 FLOOR PLAN - AREA "C"  
 1/8" = 1'-0"

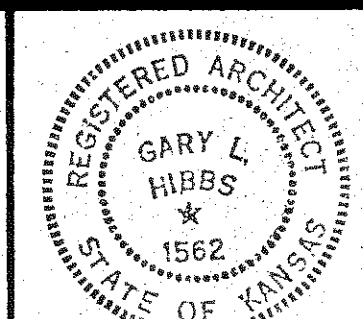
LAST ROOM NUMBER USED: C161  
 LAST DOOR NUMBER USED: C164  
 GROSS SQUARE FEET: 39,422 S.F.

GENERAL NOTES  
 REFER TO SHEET A1 FOR  
 GENERAL NOTES THAT ARE  
 TYPICAL TO THIS PLAN

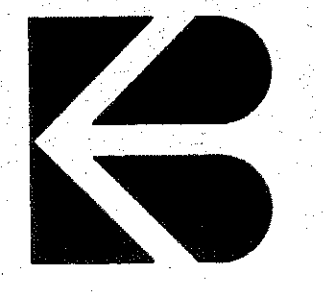


MIDDLE SCHOOL  
 WAMEGO U.S.D. 320

FLOOR PLAN - AREA "C"

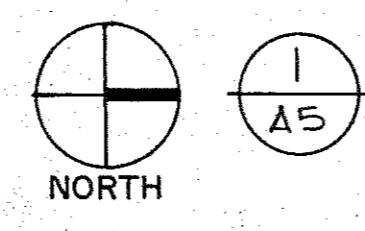
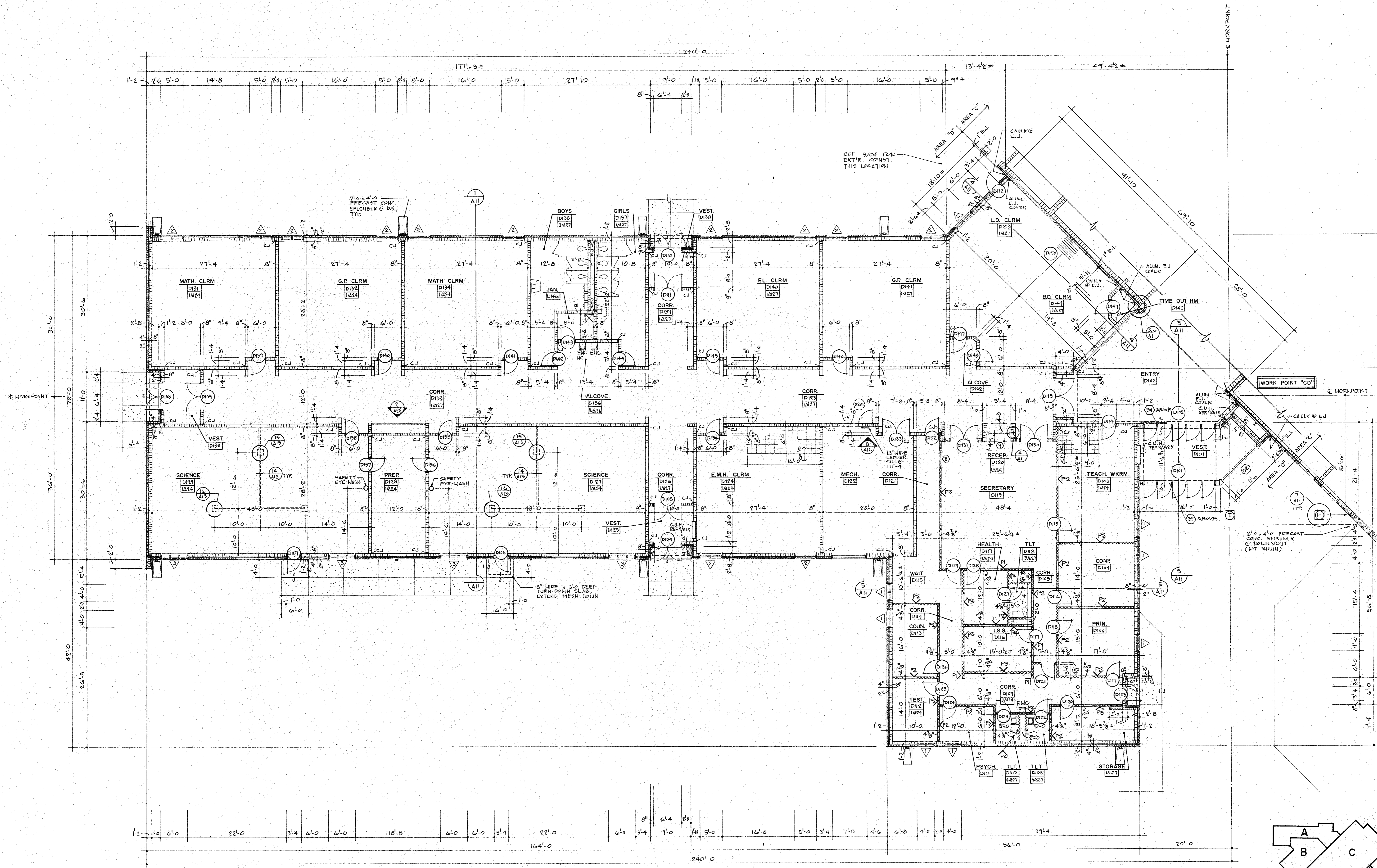


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JOB NO. 89-36  
 DATE 4-8-91  
 REVISION

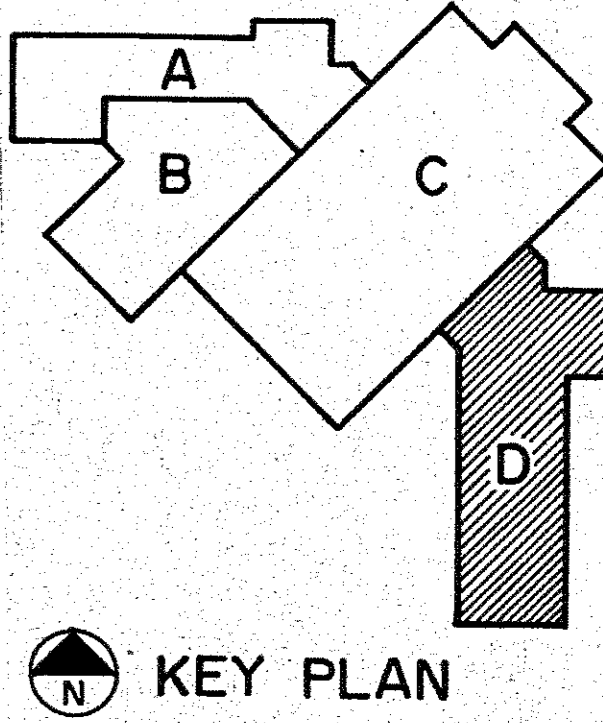
SHEET NO.  
 A4  
 4 OF 29



FLOOR PLAN - AREA "D"

1/8" = 1'-0"  
 LAST ROOM NUMBER USED: D146  
 LAST DOOR NUMBER USED: D150, D201  
 GROSS SQUARE FEET: 18,920 S.F.

GENERAL NOTES  
 REFER TO SHEET A1 FOR  
 GENERAL NOTES THAT ARE  
 TYPICAL TO THIS PLAN

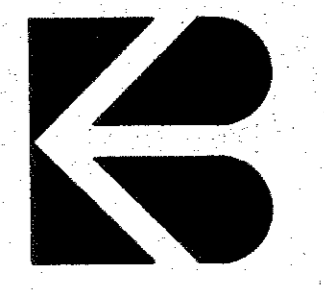


MIDDLE SCHOOL  
 WAMEGO U.S.D. 320

FLOOR PLAN - AREA "D"

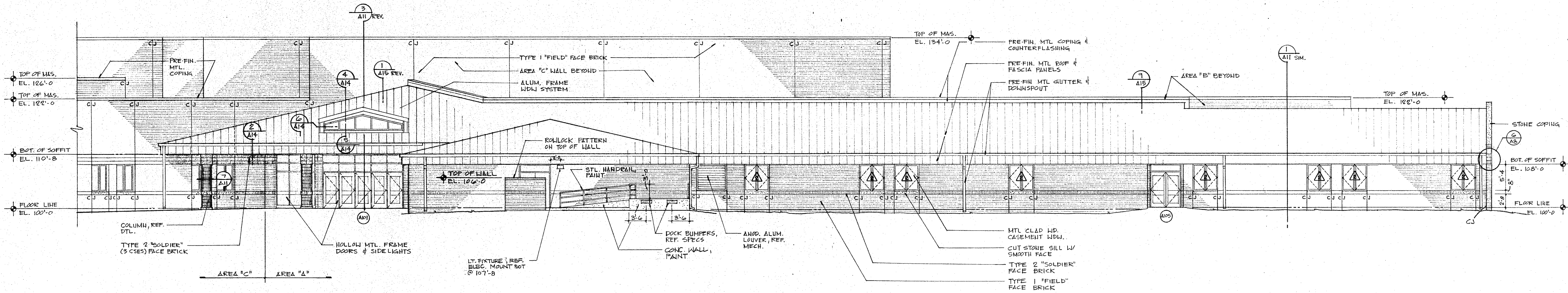


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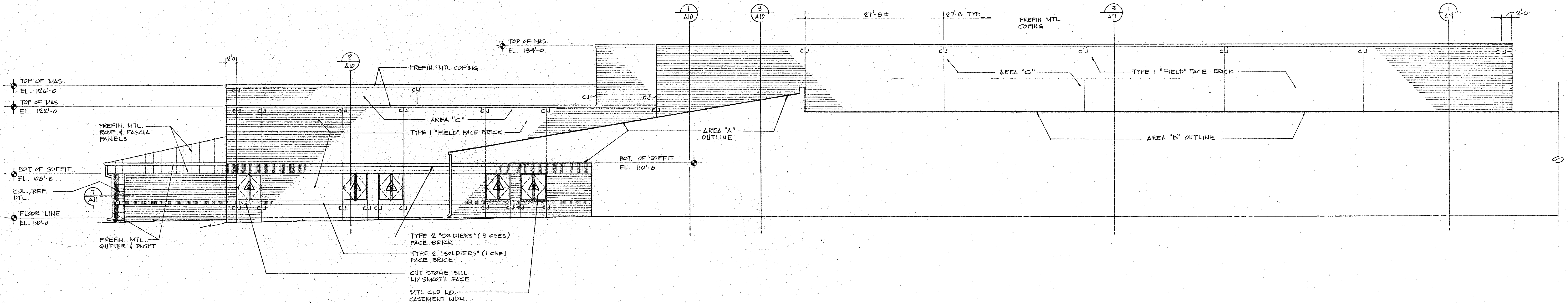


JOB NO. 89-36  
 DATE 4-8-71  
 REVISION

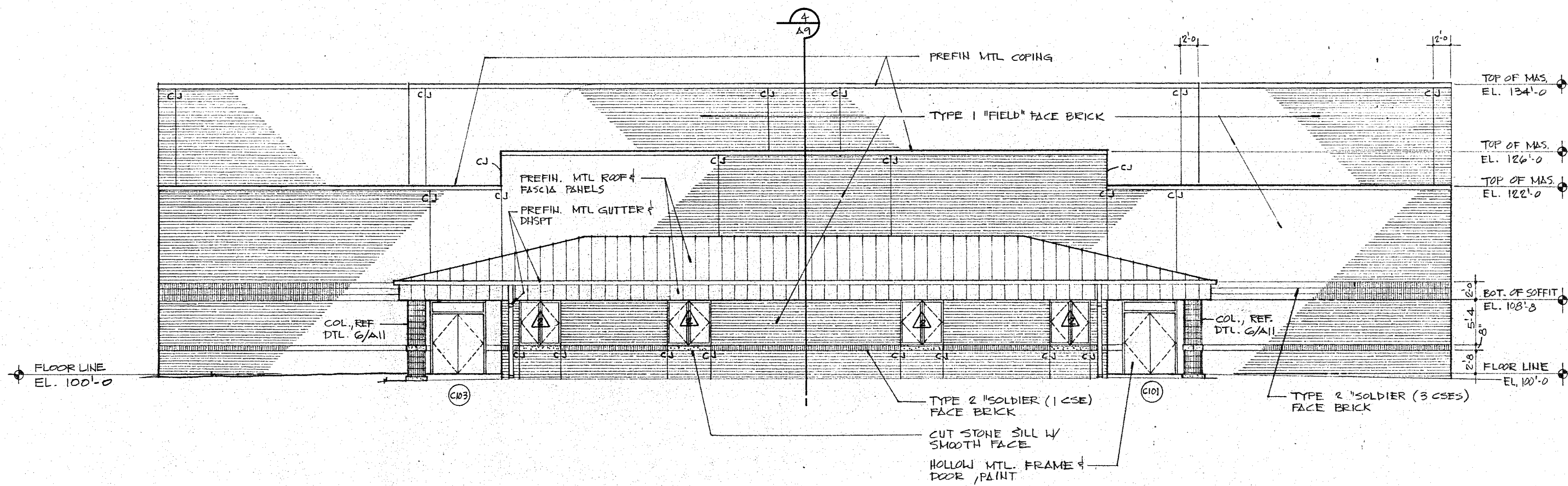
SHEET NO.  
 A5



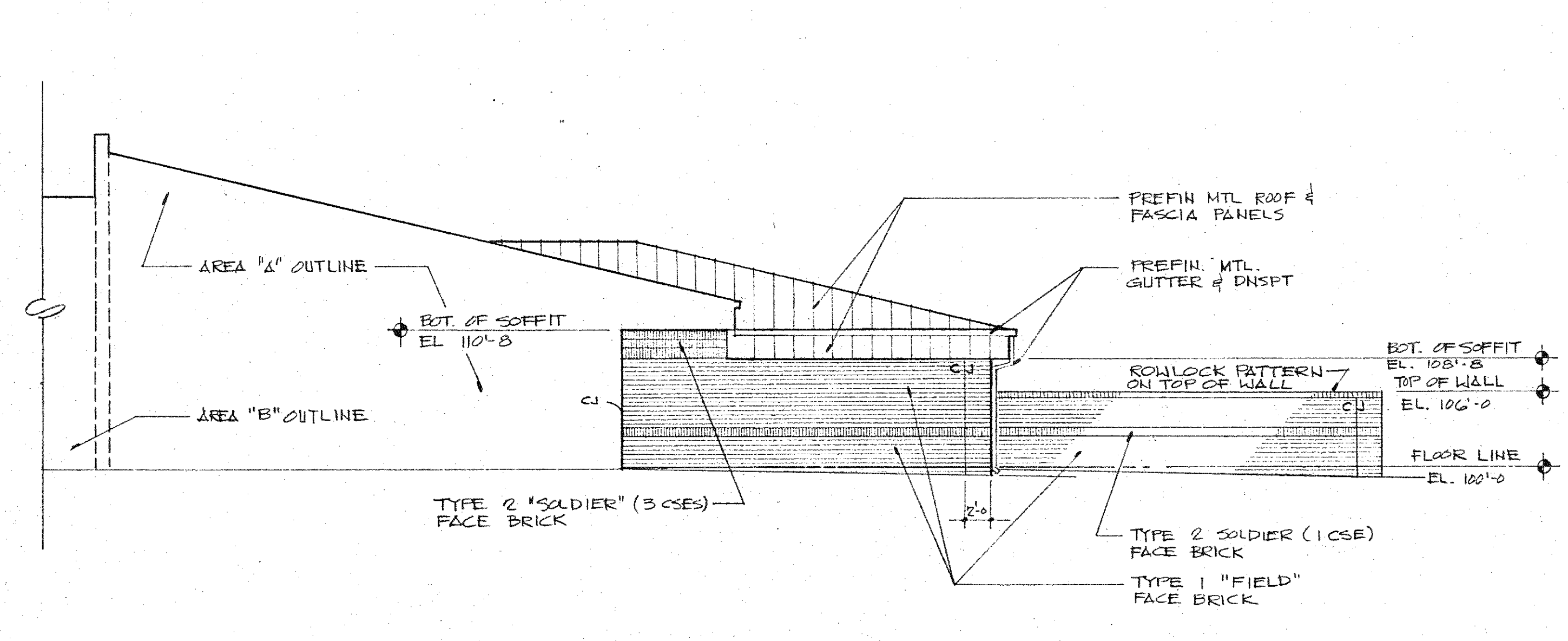
1 NORTH ELEVATION - AREA "A"  
1/8" = 1'-0"



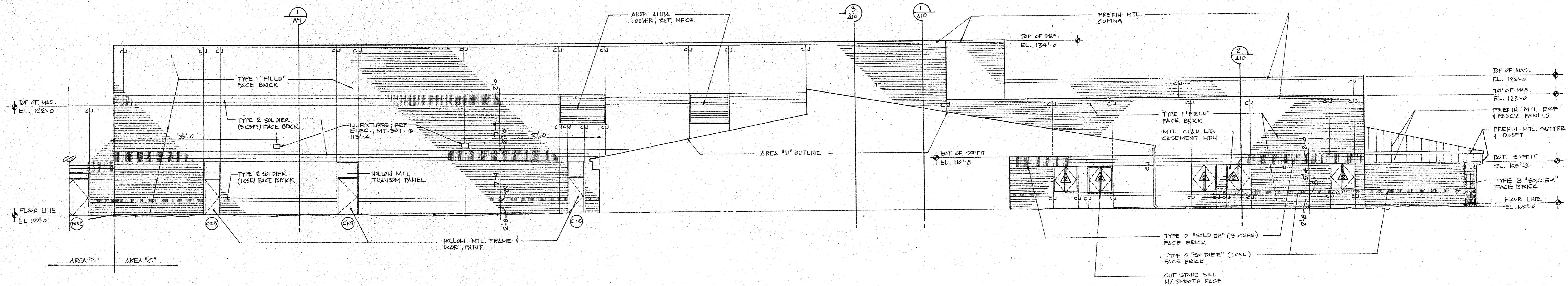
2 NORTHWEST ELEVATION - AREA "C"  
1/8" = 1'-0"



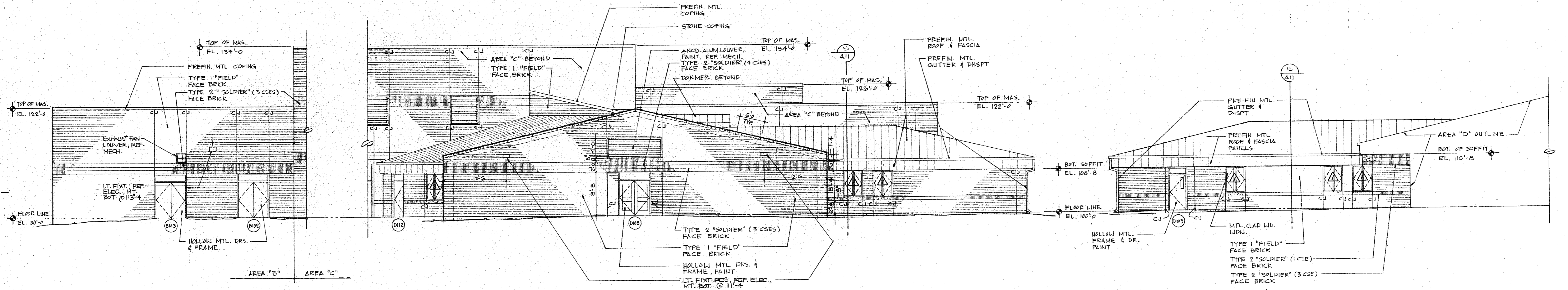
4 NORTHEAST ELEVATION - AREA "C"  
1/8" = 1'-0"



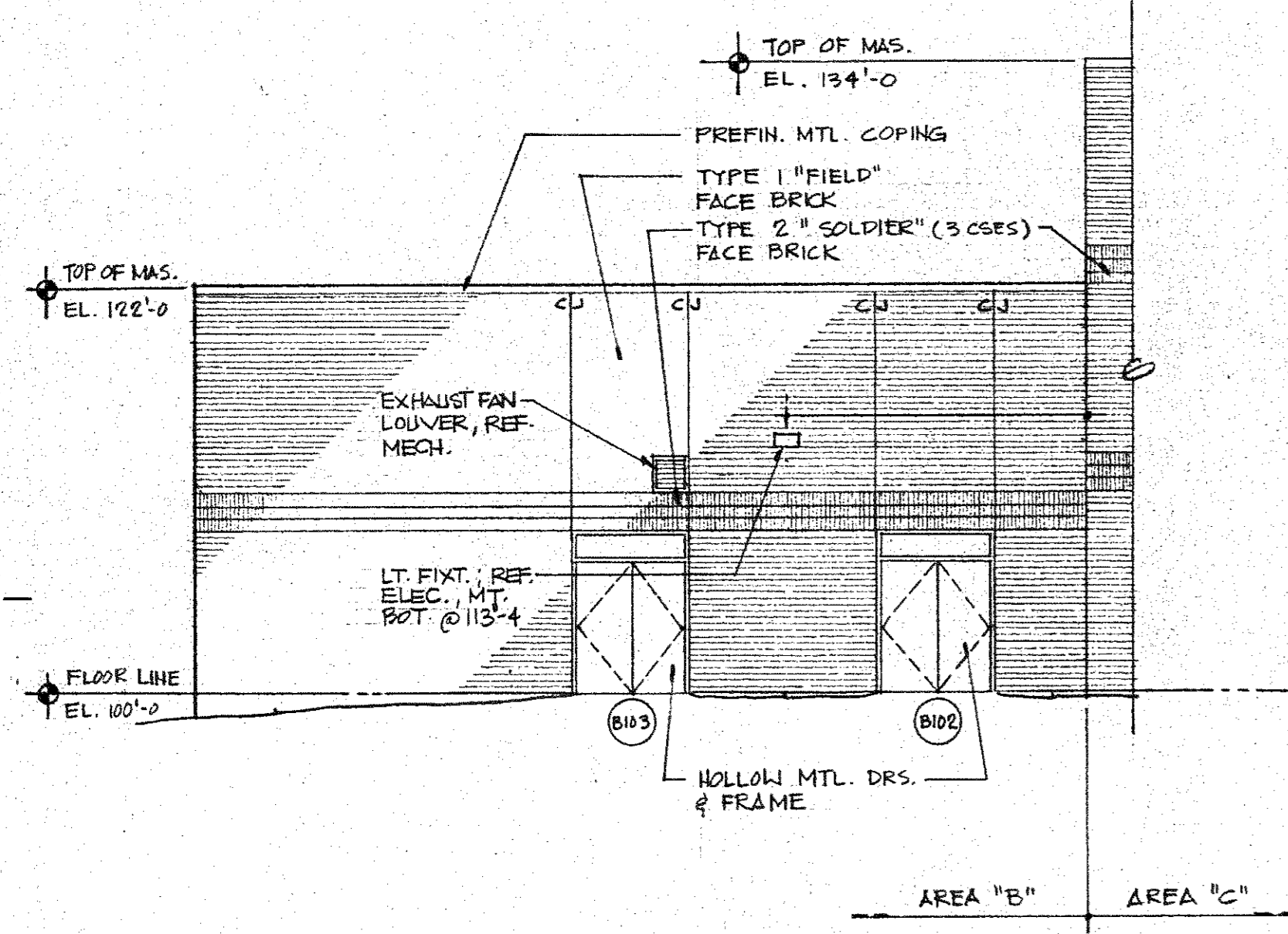
3 EAST ELEVATION - AREA "A"  
1/8" = 1'-0"



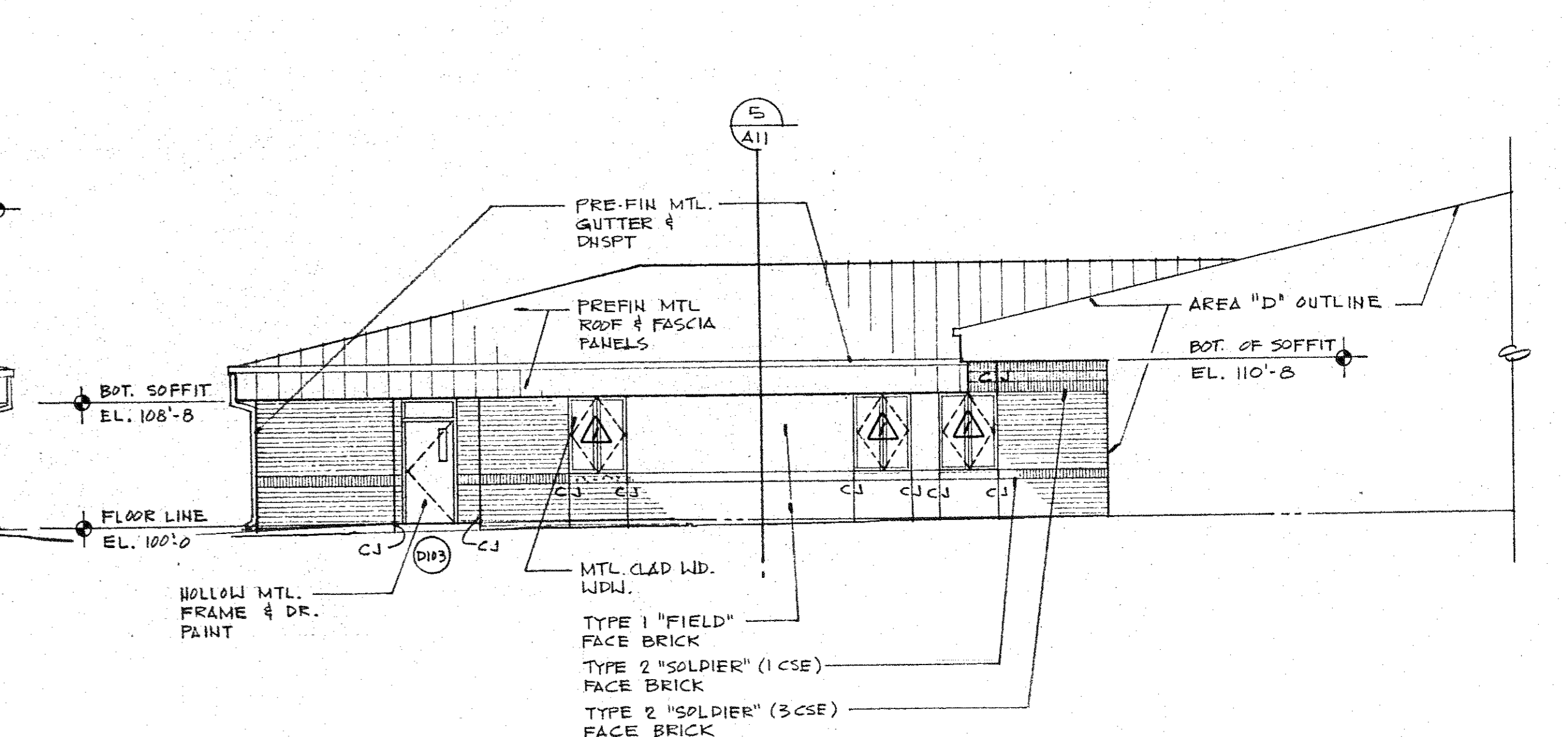
1  
A7  
SOUTHEAST ELEVATION - AREA "C"  
1/8" = 1'-0"



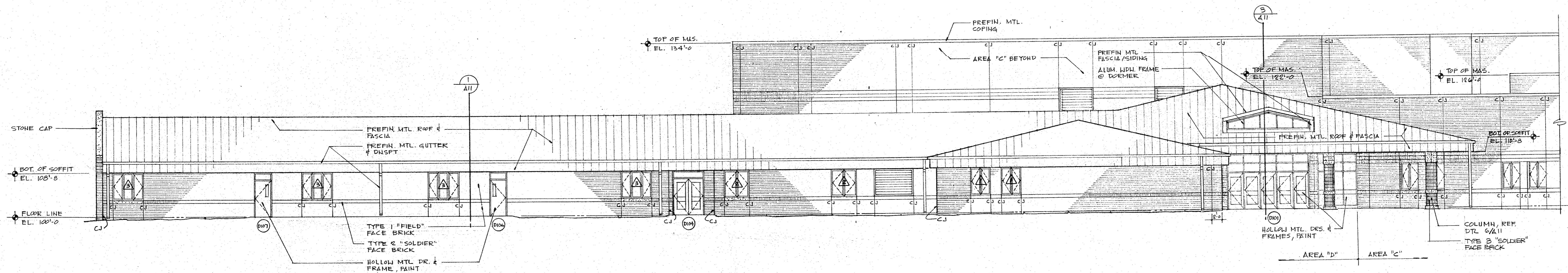
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A7  
SOUTH ELEVATION - AREA "D"  
1/8" = 1'-0"



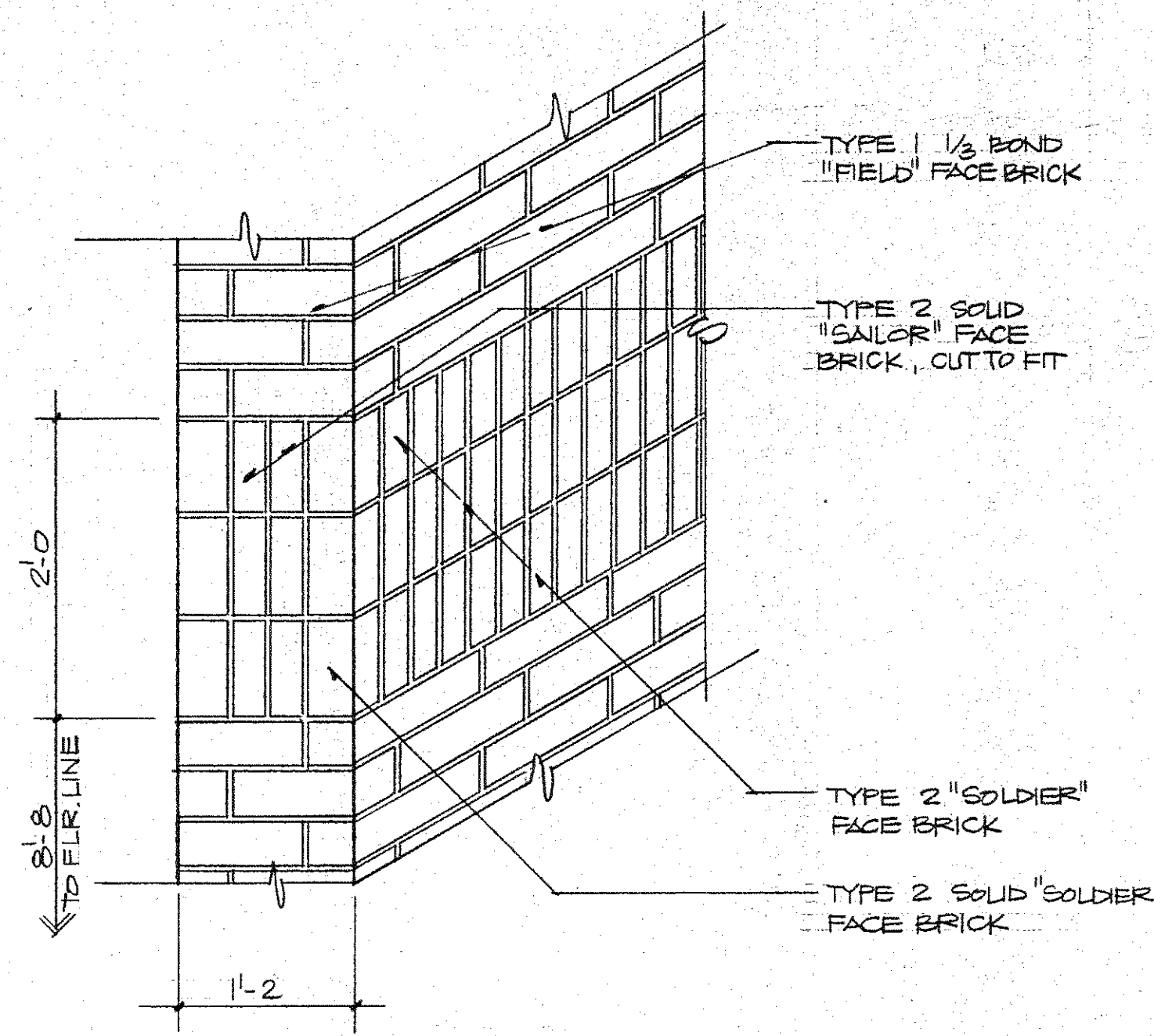
4  
A7  
SOUTHEAST ELEV. - AREA "B"  
1/8" = 1'-0"



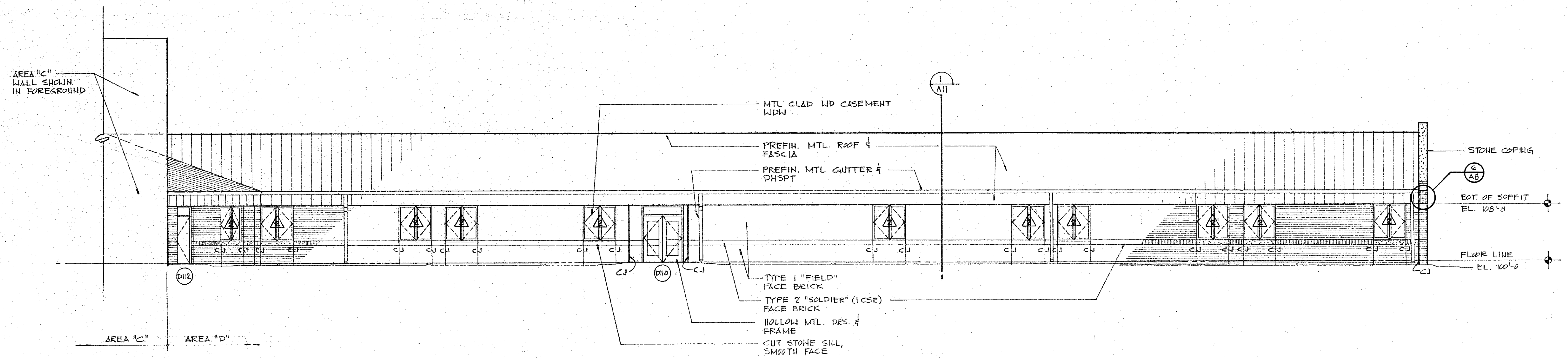
2  
A7  
NORTH ELEVATION - AREA "D"  
1/8" = 1'-0"



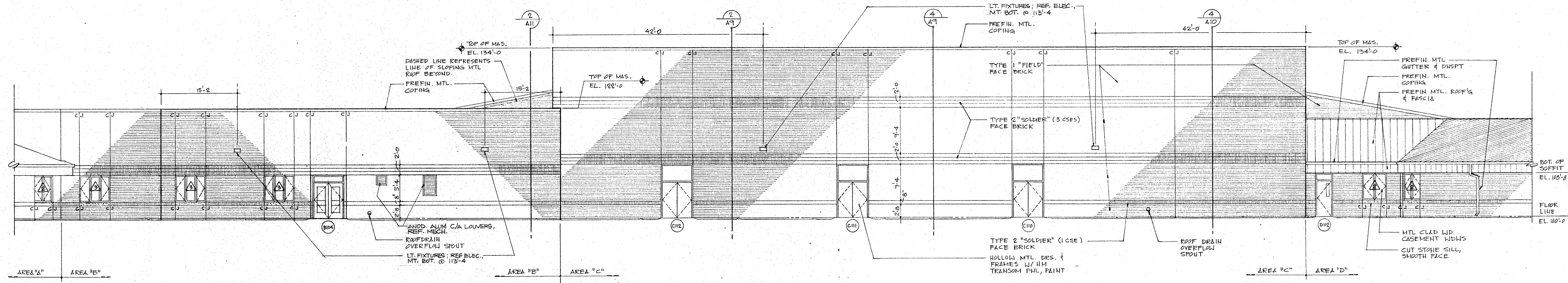
5  
A7  
EAST ELEVATION - AREA "D"  
1/8" = 1'-0"



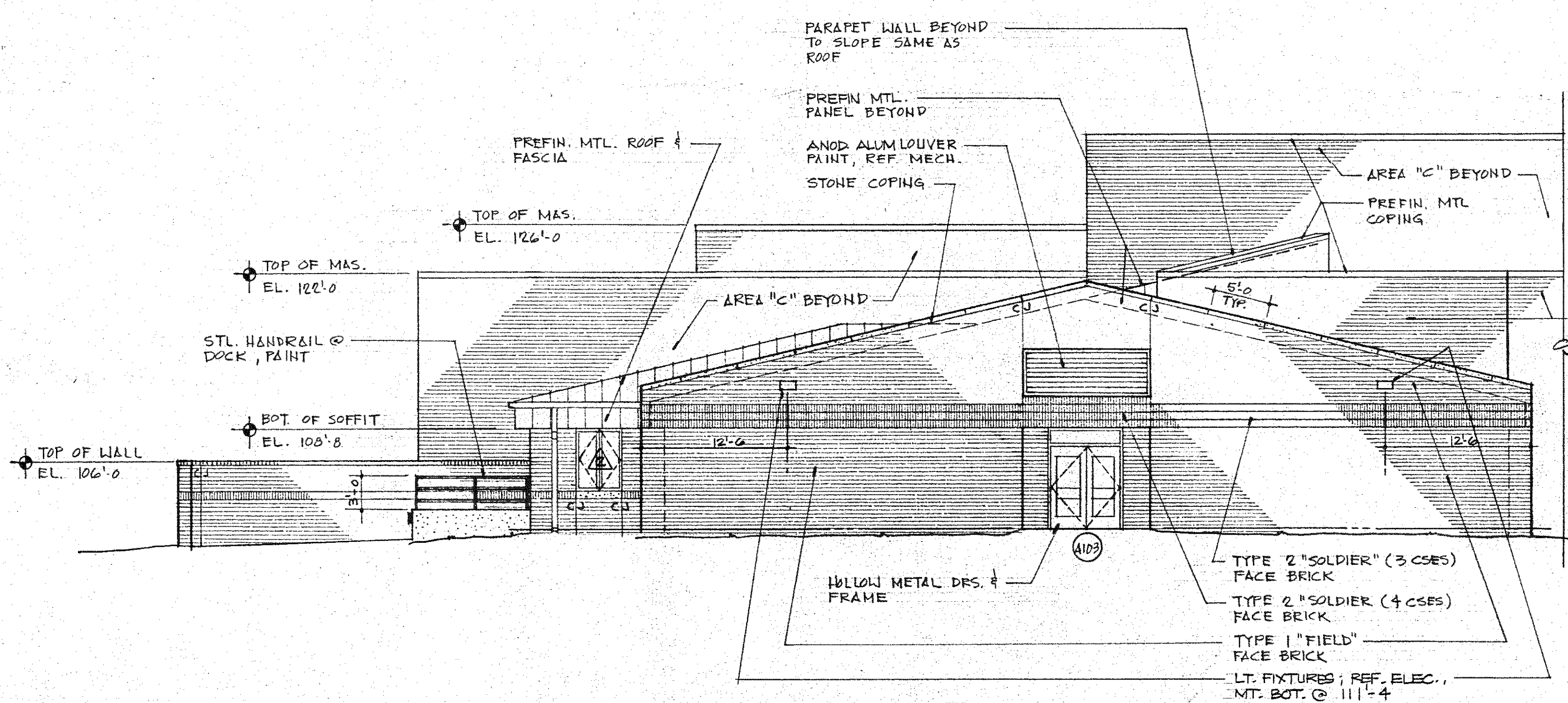
0 DTL - END OF WING WALL - AREAS "A" & "D"  
1" = 1'-0"



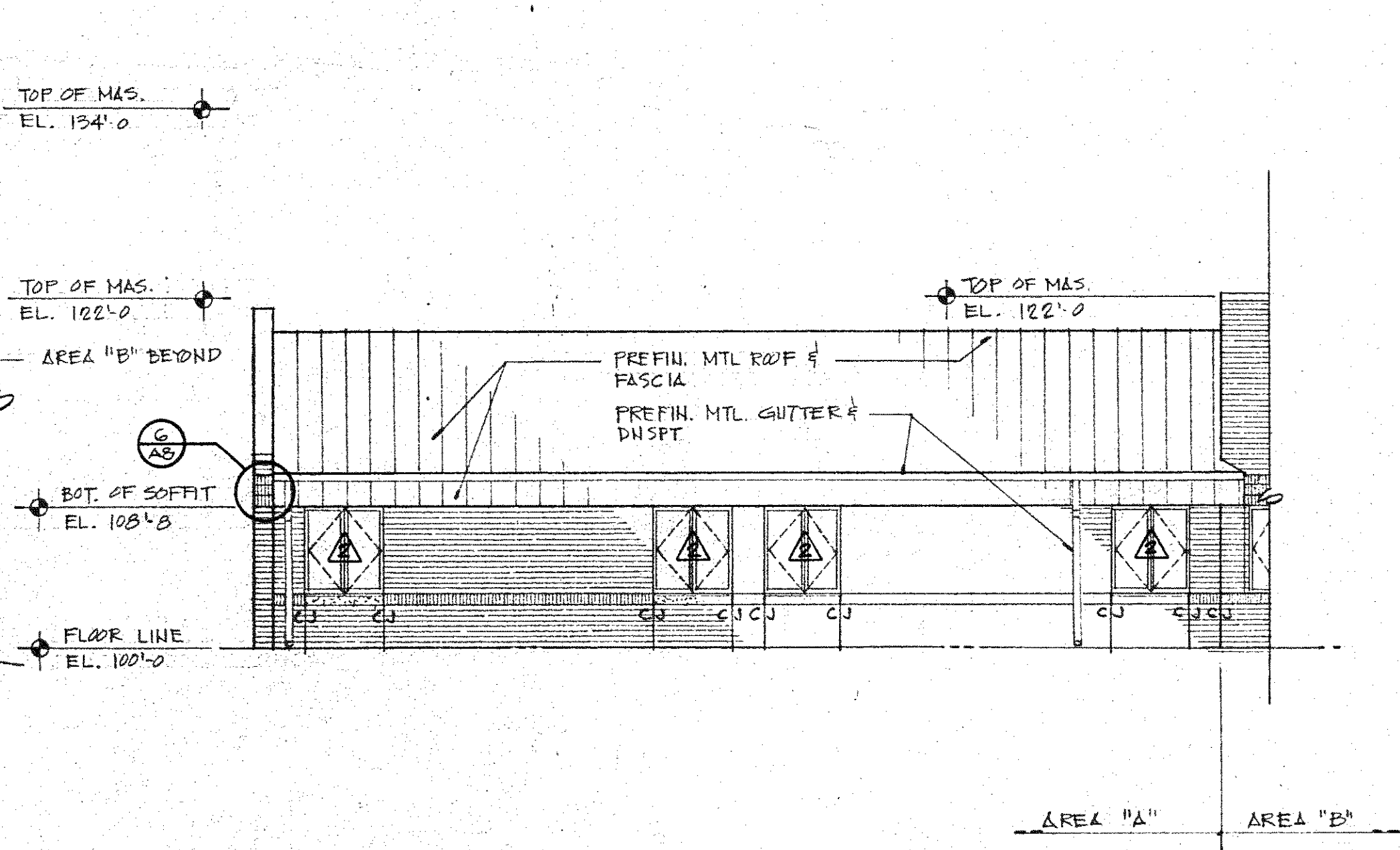
1 WEST ELEVATION - AREA "D"  
1/8" = 1'-0"



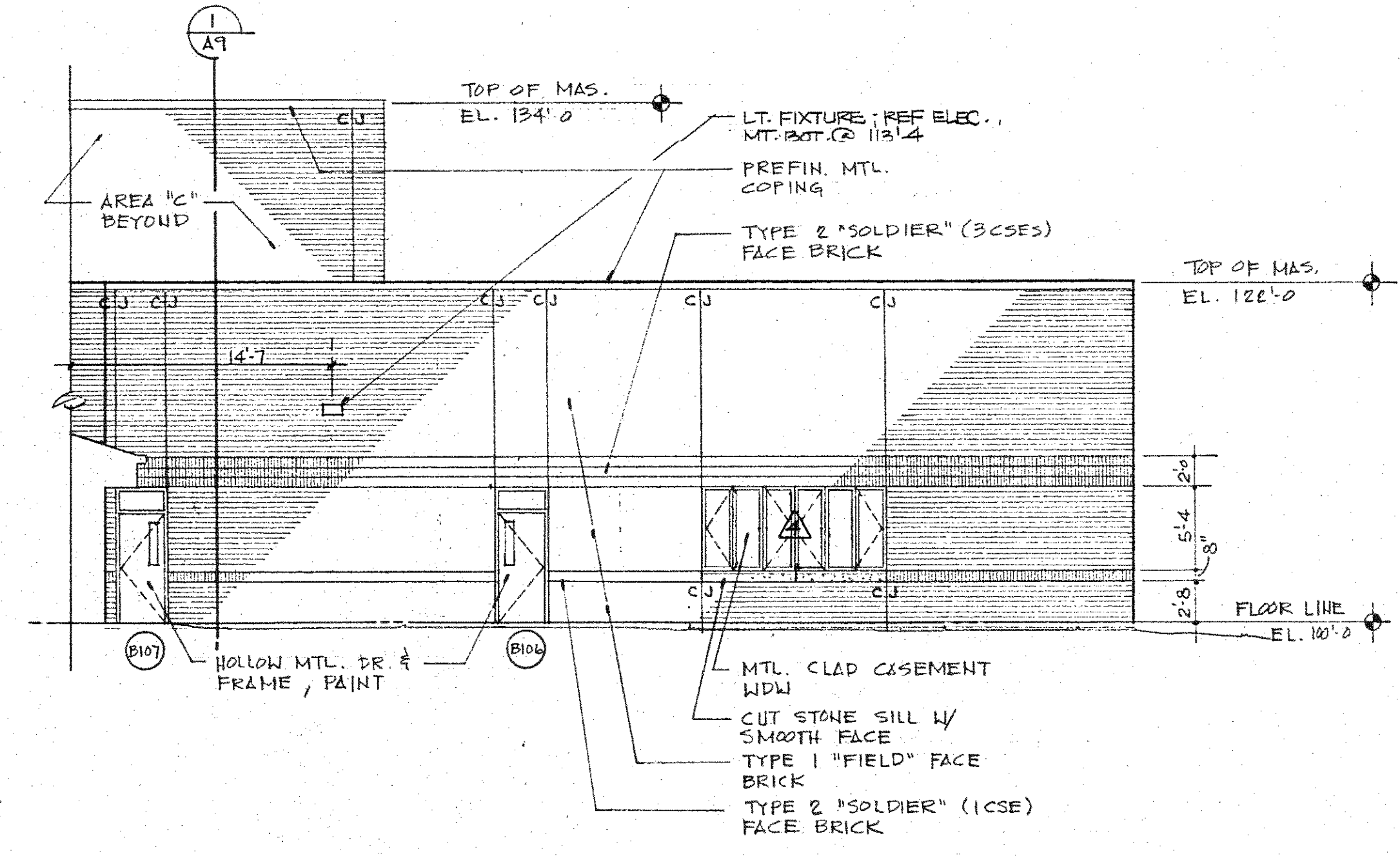
2 SOUTHWEST ELEVATION - AREAS "B, C & D"  
1/8" = 1'-0"



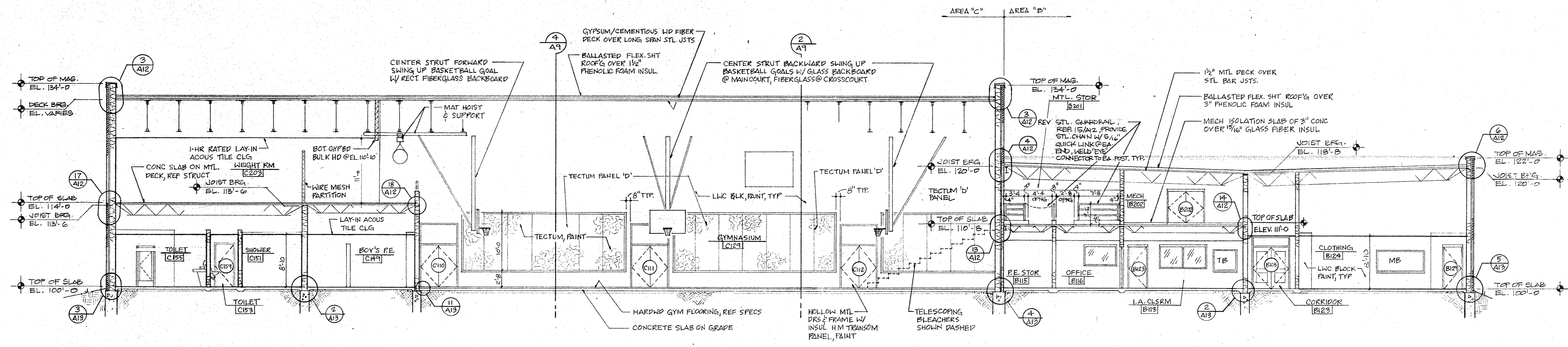
3 WEST ELEVATION - AREA "A"  
1/8" = 1'-0"



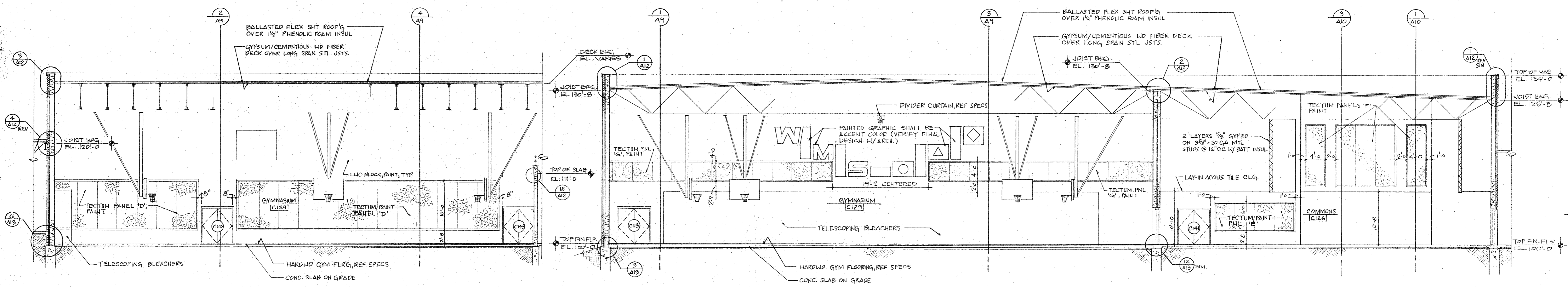
4 SOUTH ELEVATION - AREA "A"  
1/8" = 1'-0"



5 NORTHWEST ELEV. - AREA "B"  
1/8" = 1'-0"

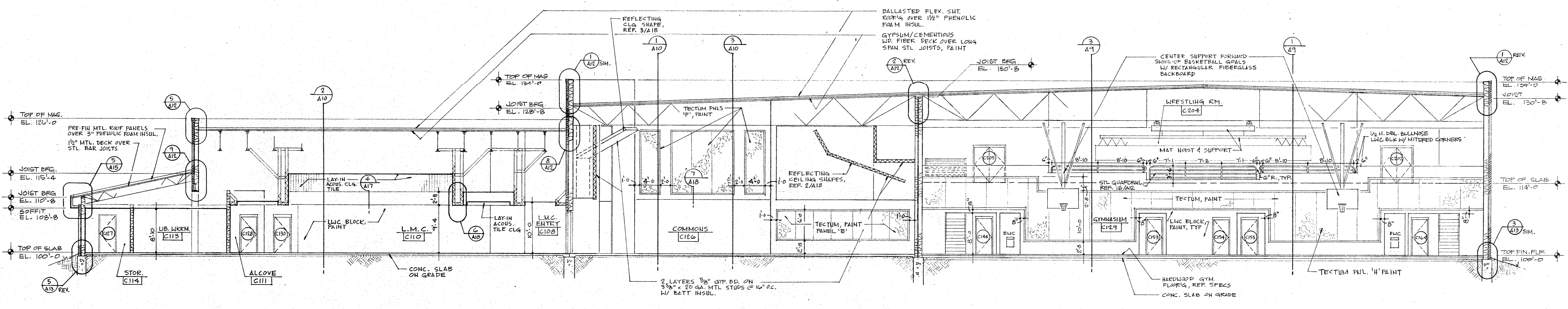


1 BLDG. SECTION · AREAS "B" & "C"  
1/8" = 1'-0"

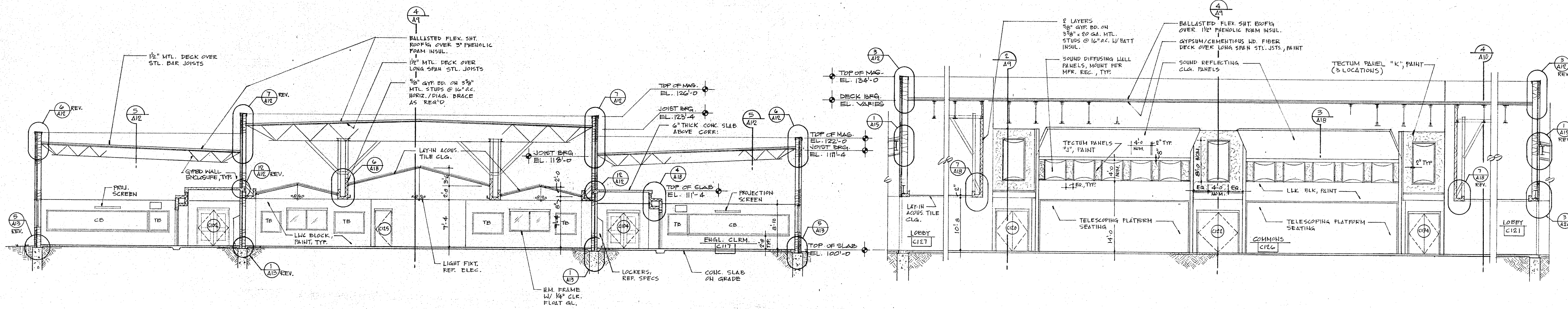


3 BLDG. SECTION · AREA "C"  
1/8" = 1'-0"

2 BLDG. SECTION · AREA "C"  
1/8" = 1'-0"

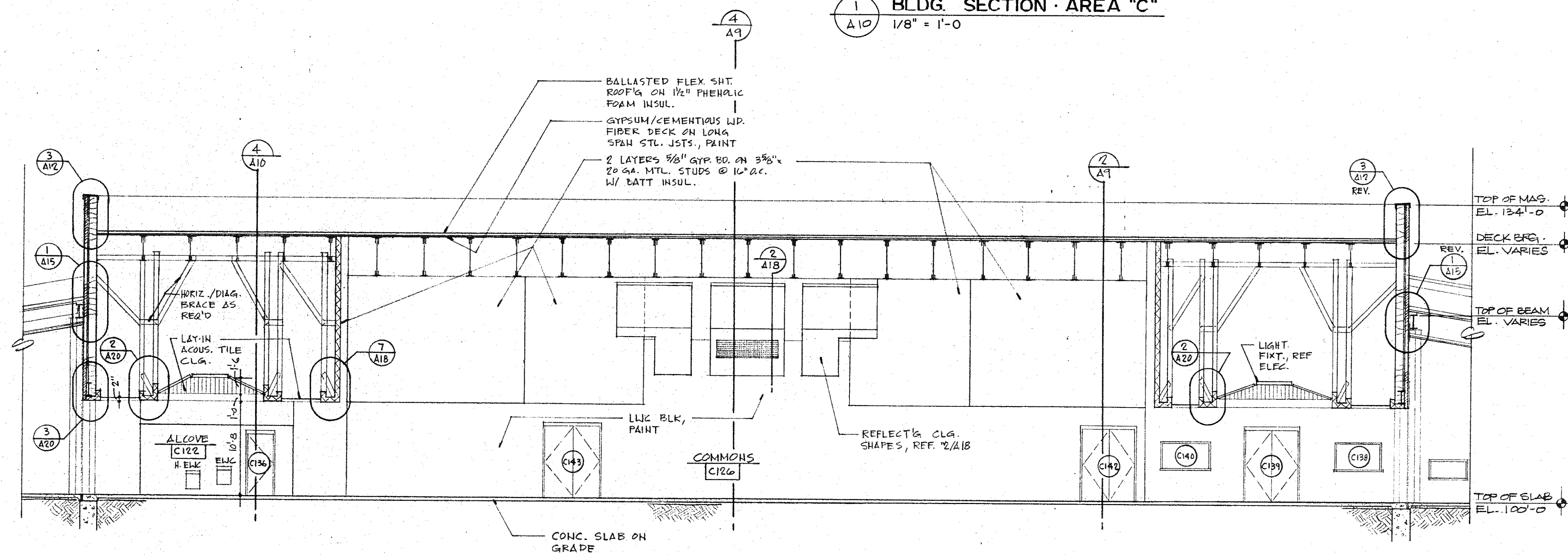


4 BLDG. SECTION · AREA "C"  
1/8" = 1'-0"

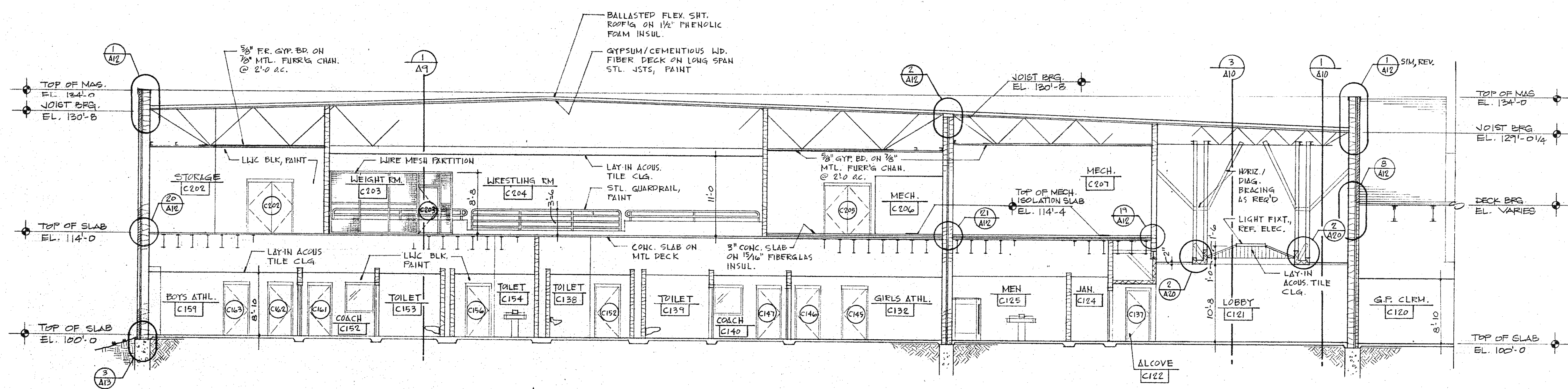


2 BLDG. SECTION - AREA "C"  
A10 1/8" = 1'-0"

1 BLDG. SECTION - AREA "C"  
A10 1/8" = 1'-0"

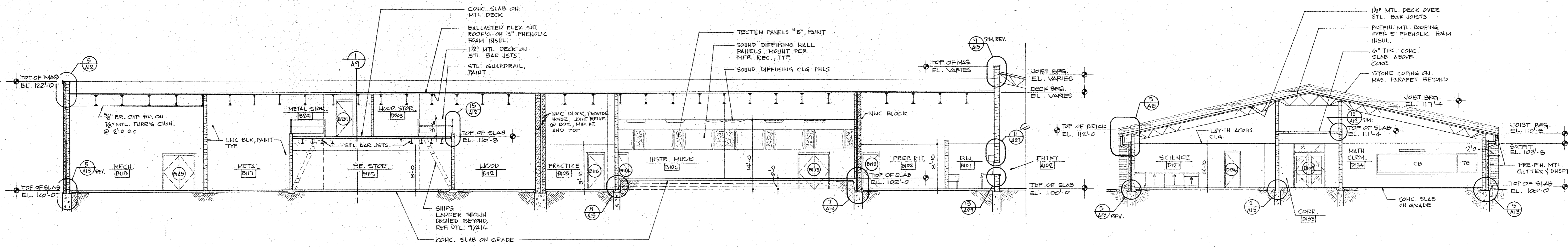


3 BLDG. SECTION - AREA "C"  
A10 1/8" = 1'-0"



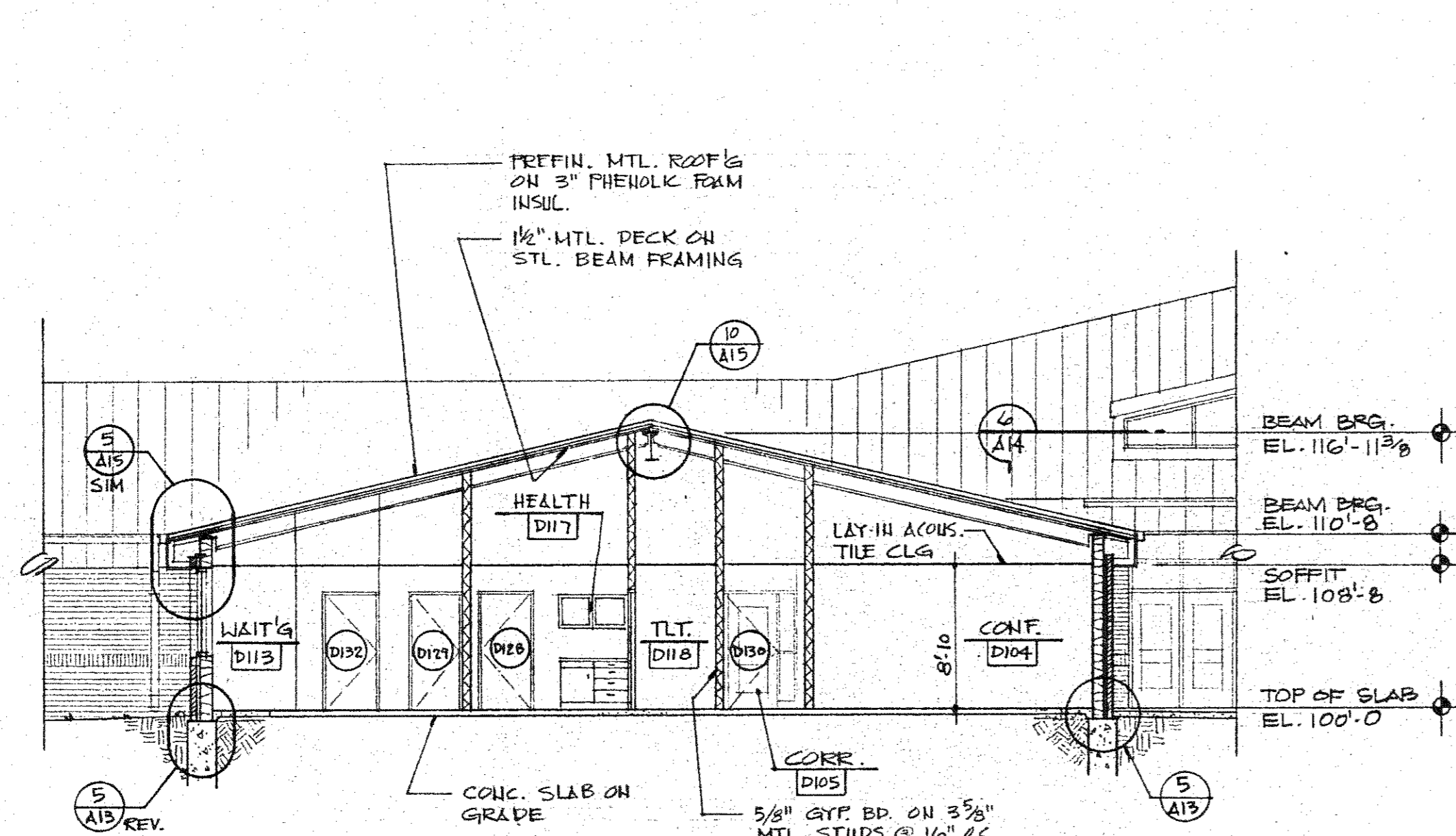
4 BLDG. SECTION - AREA "C"  
A10 1/8" = 1'-0"



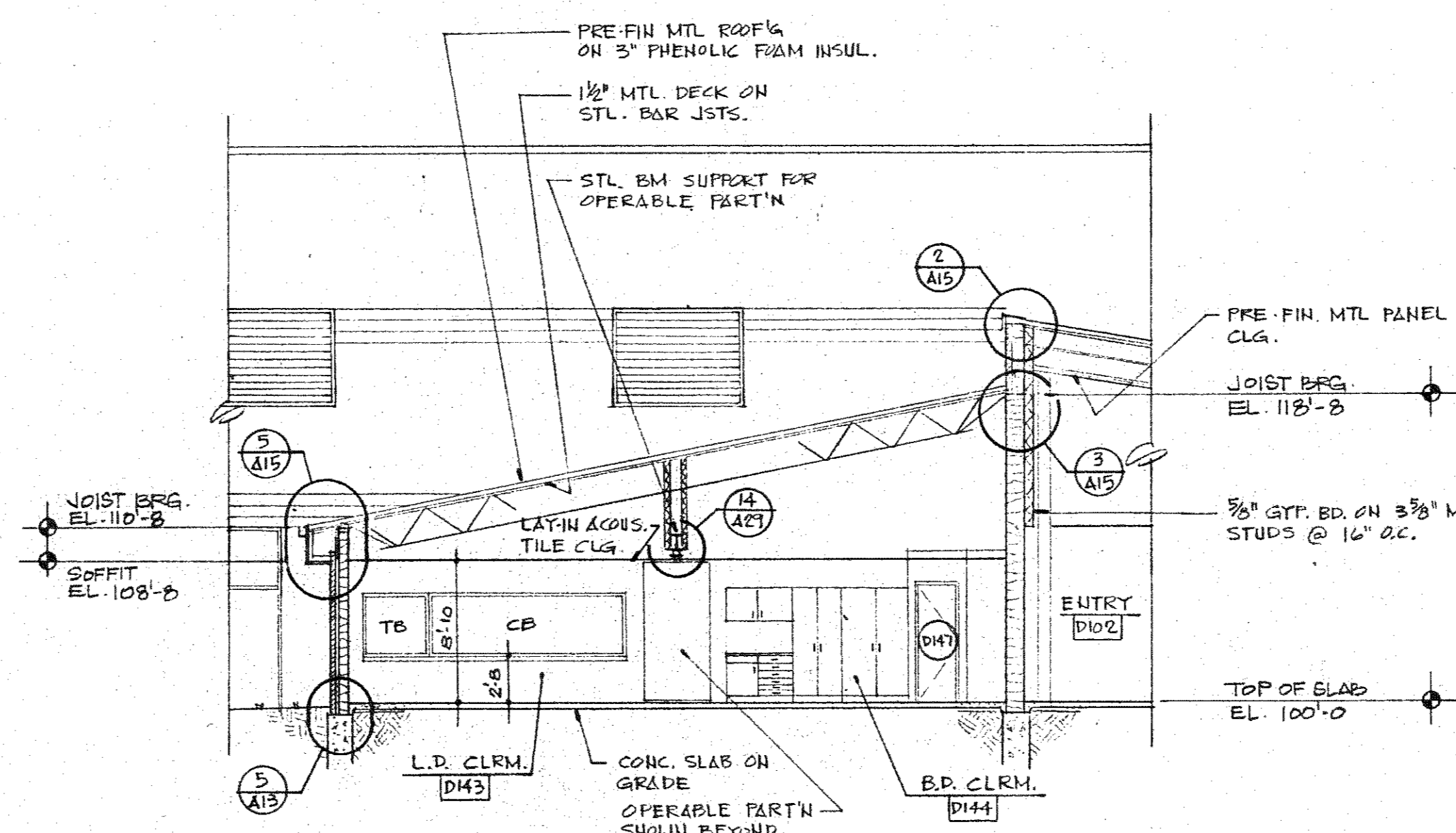


2 BLDG. SECTION - AREA "B"  
1/8" = 1'-0"

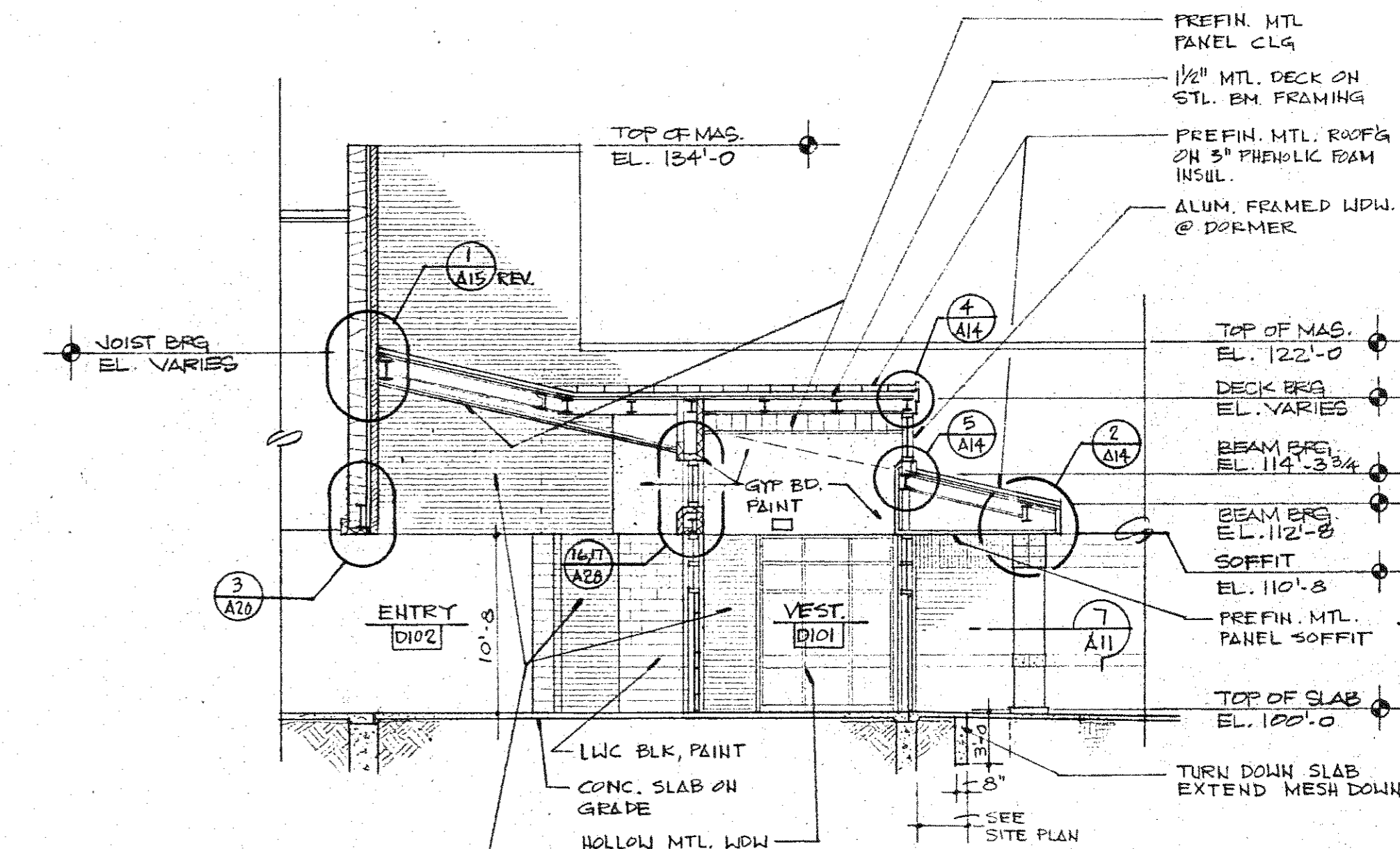
1 BLDG. SECTION - AREA "D"  
1/8" = 1'-0"



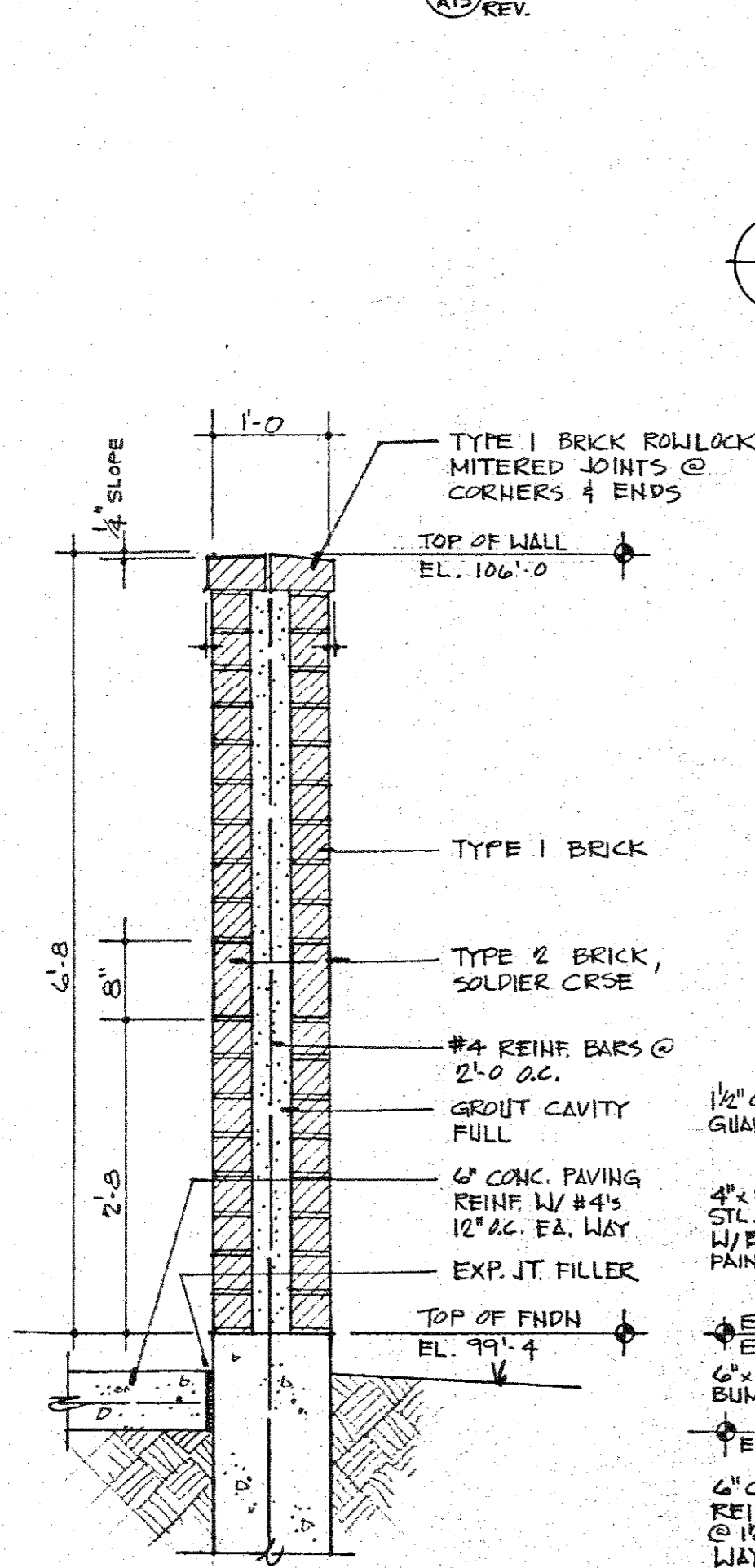
5 BLDG. SECTION - AREA "D"  
1/8" = 1'-0"



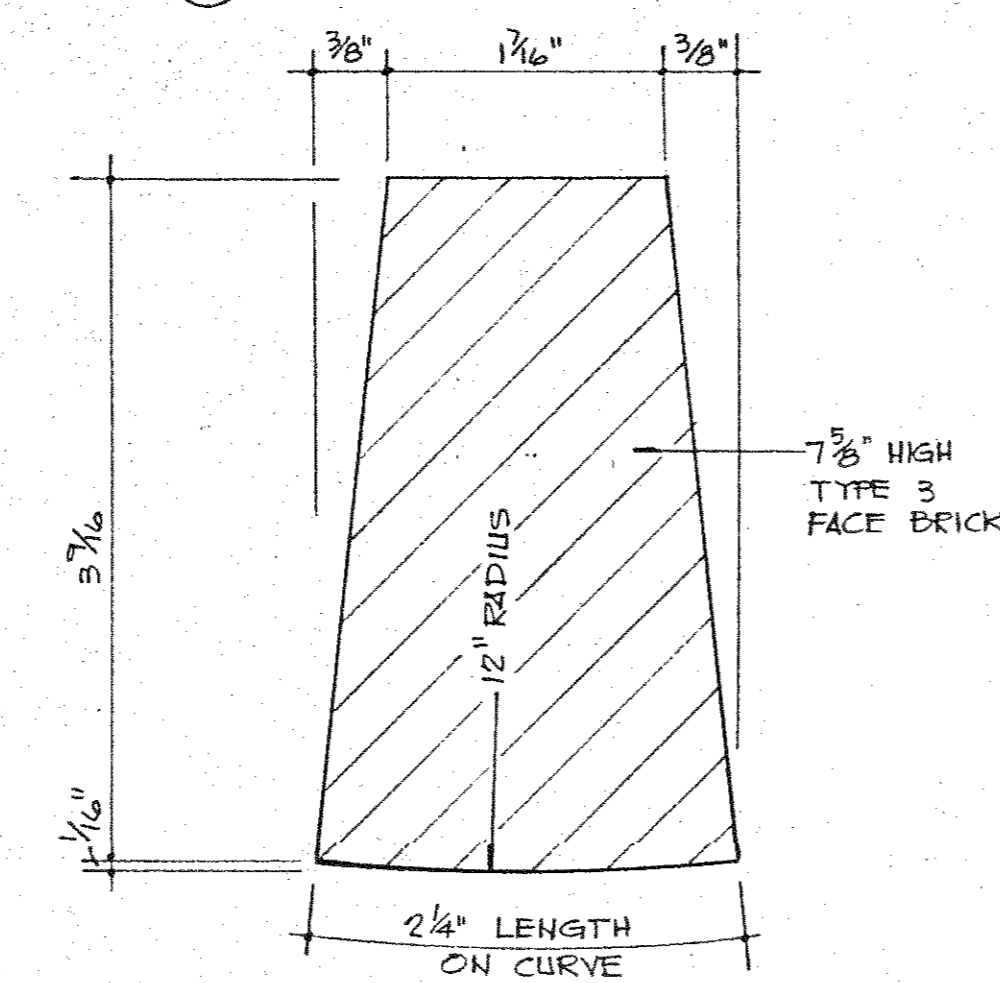
4 BLDG. SECTION - AREA "D"  
1/8" = 1'-0"



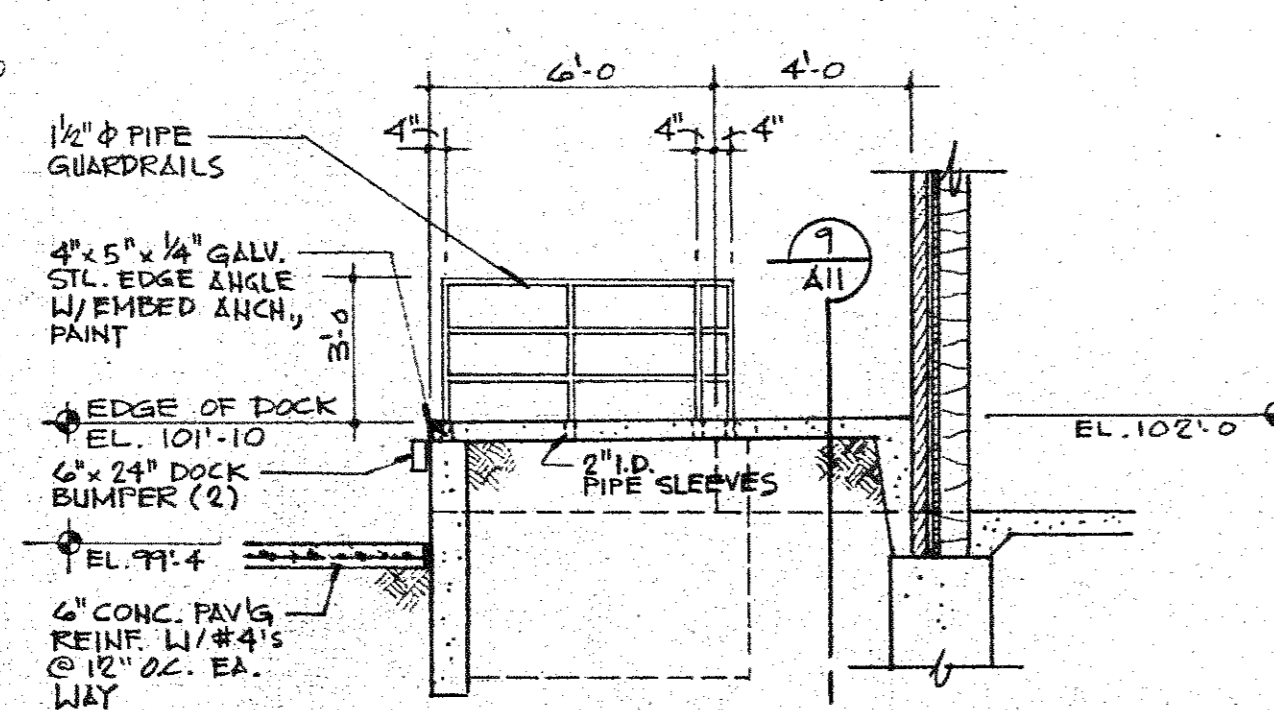
3 BLDG. SECTION - AREA "D"  
1/8" = 1'-0"



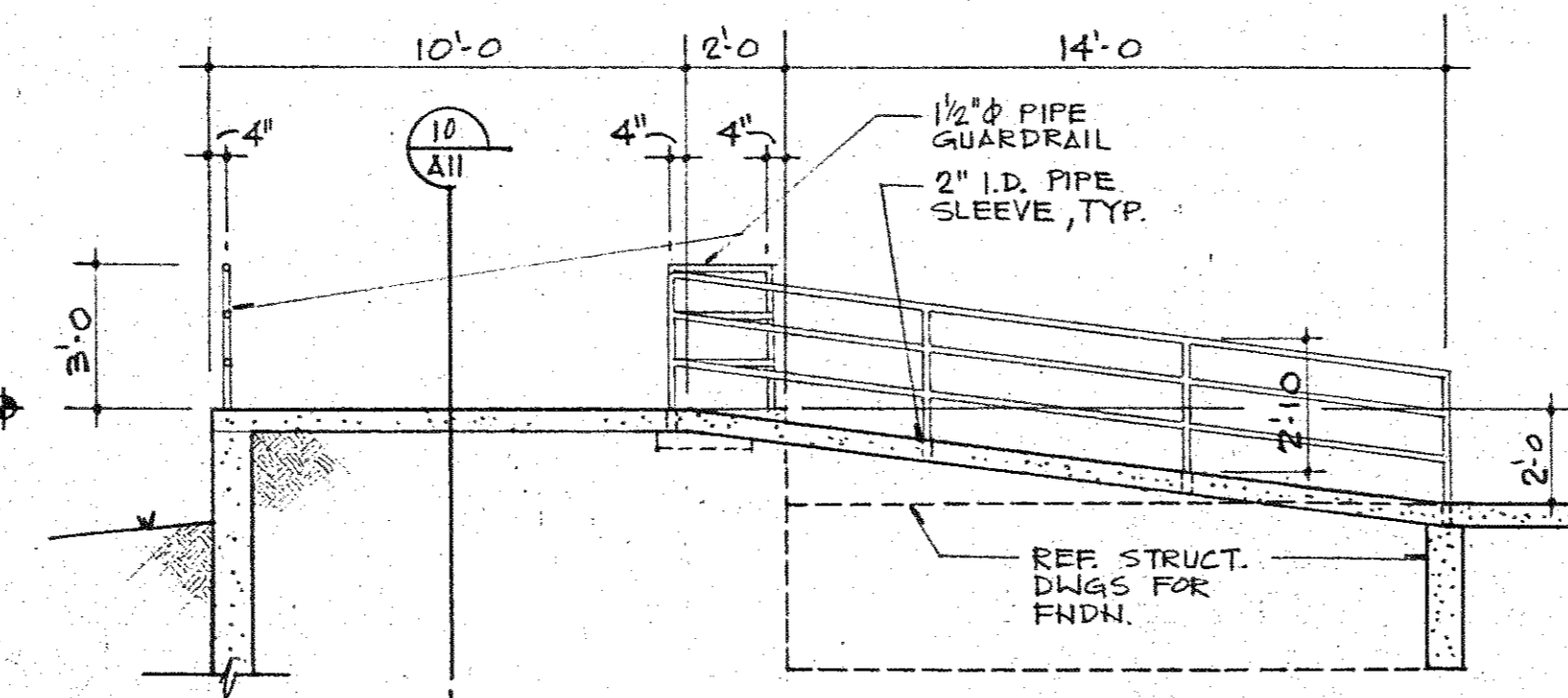
11 SCREEN WALL  
3/4" = 1'-0"



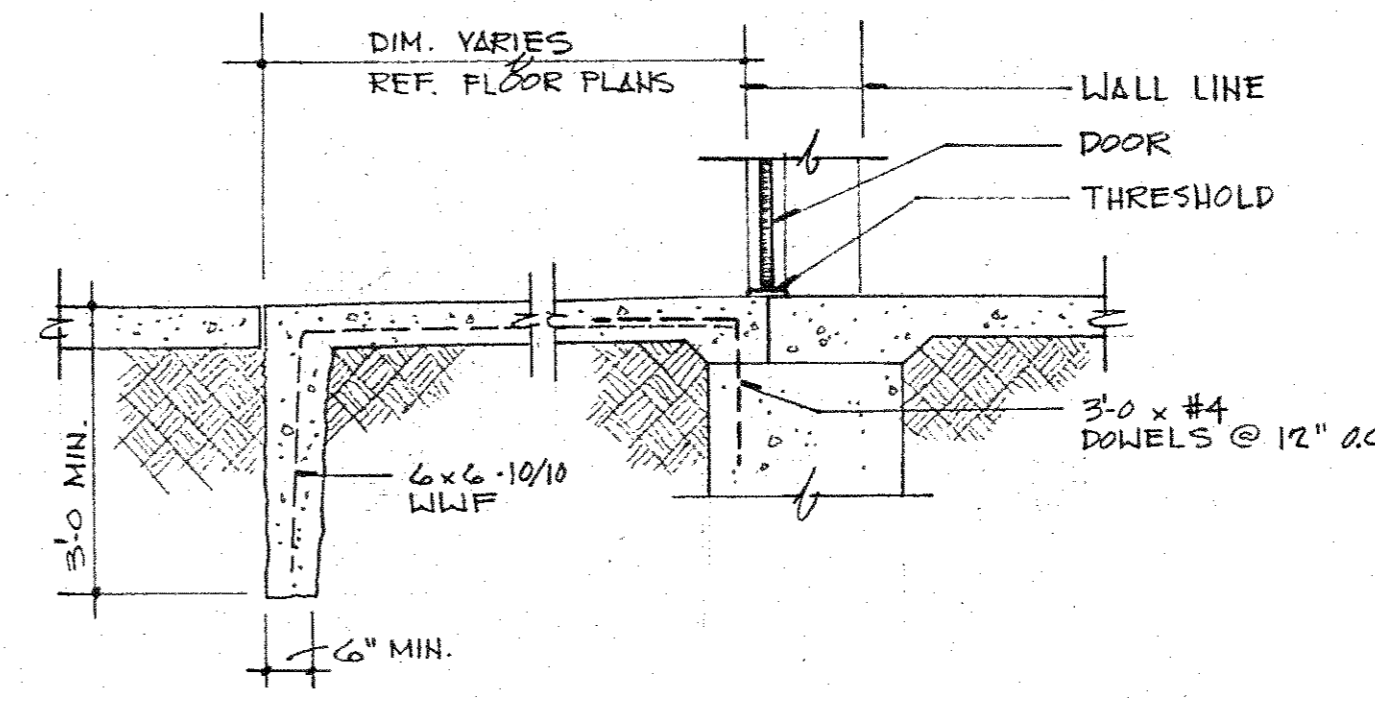
12 TYPE 3 BRICK DIMENSION  
FULL SIZE



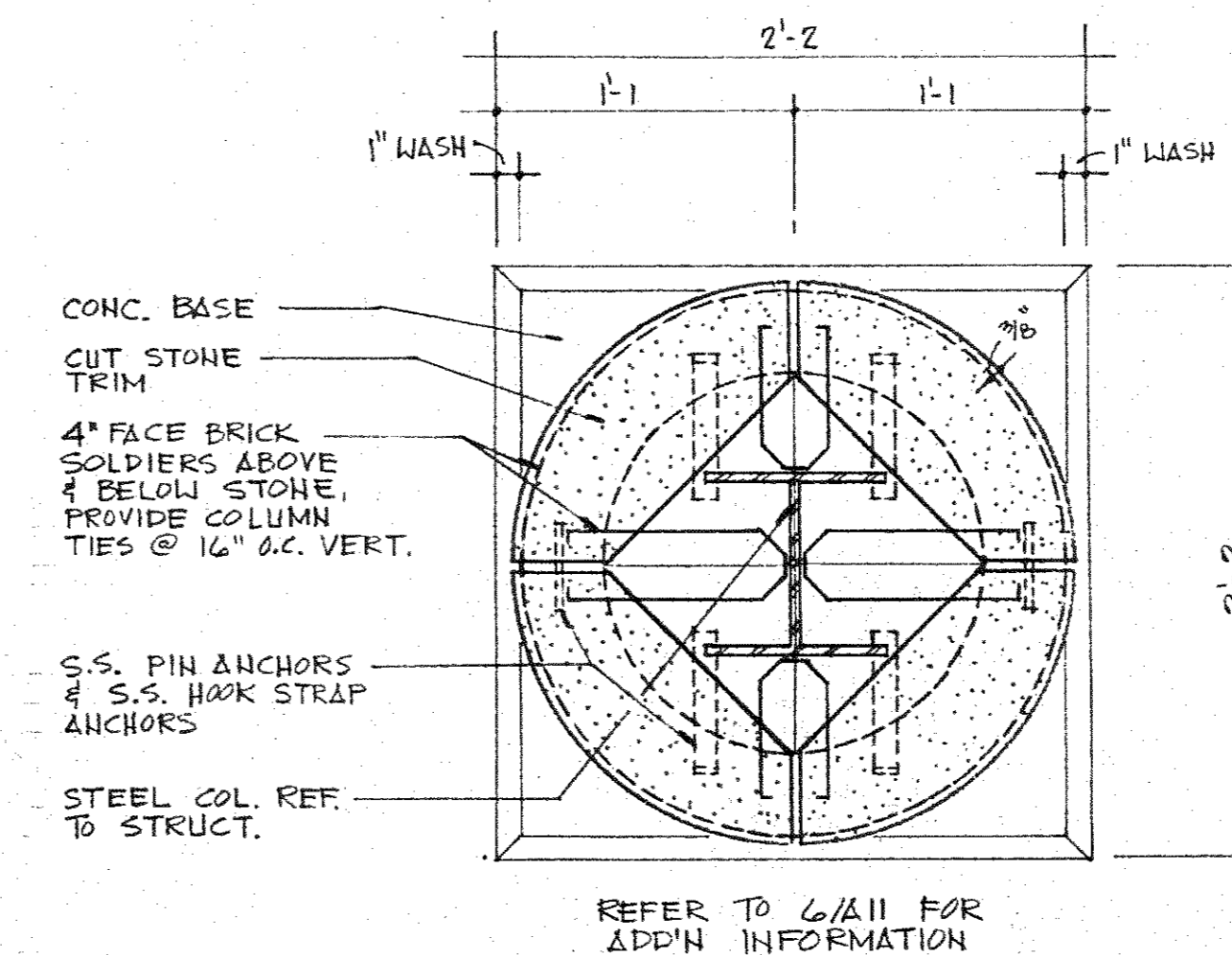
10 SECTION AT DOCK  
1/4" = 1'-0"



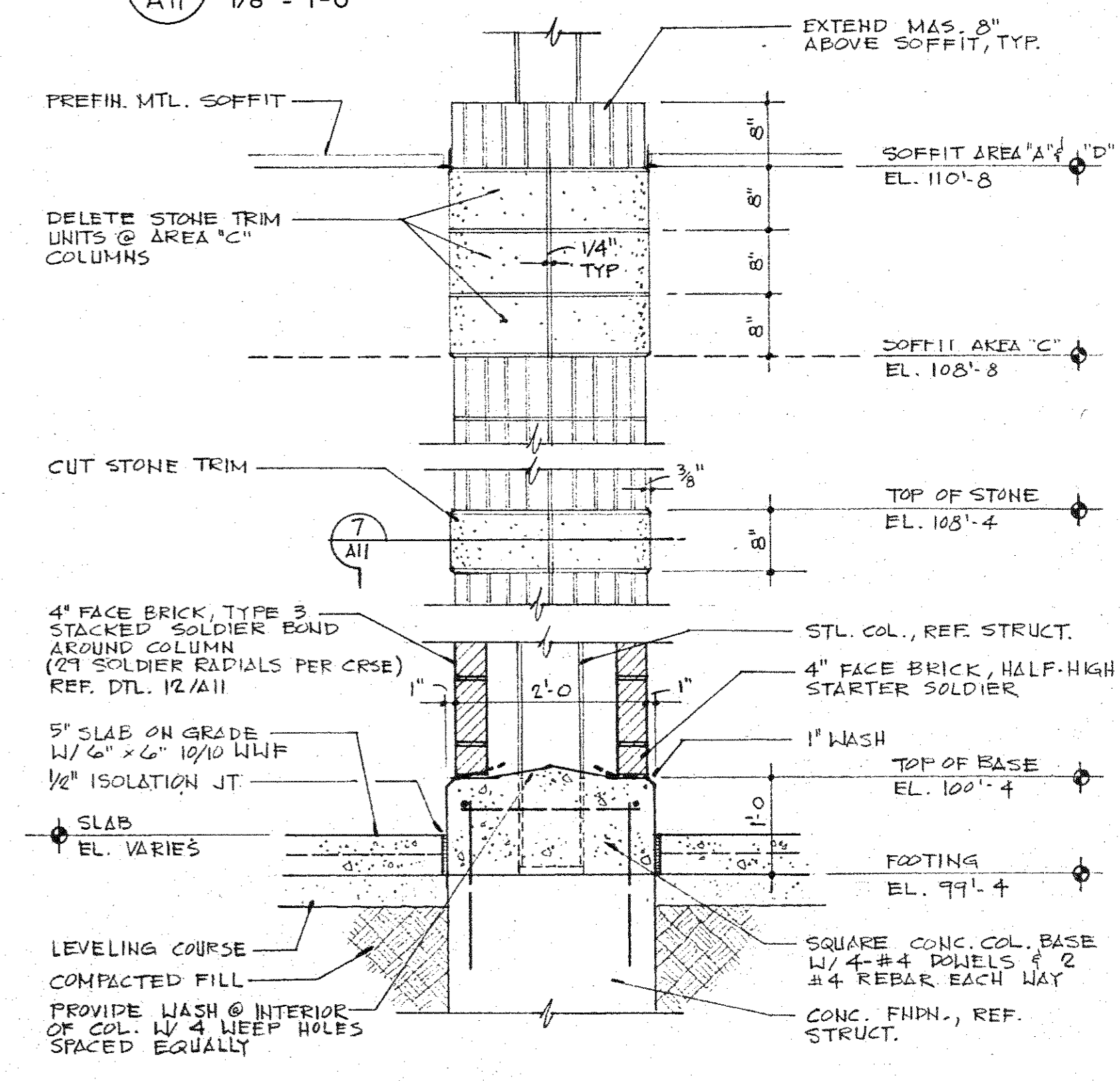
7 SECTION AT DOCK RAMP  
1/4" = 1'-0"



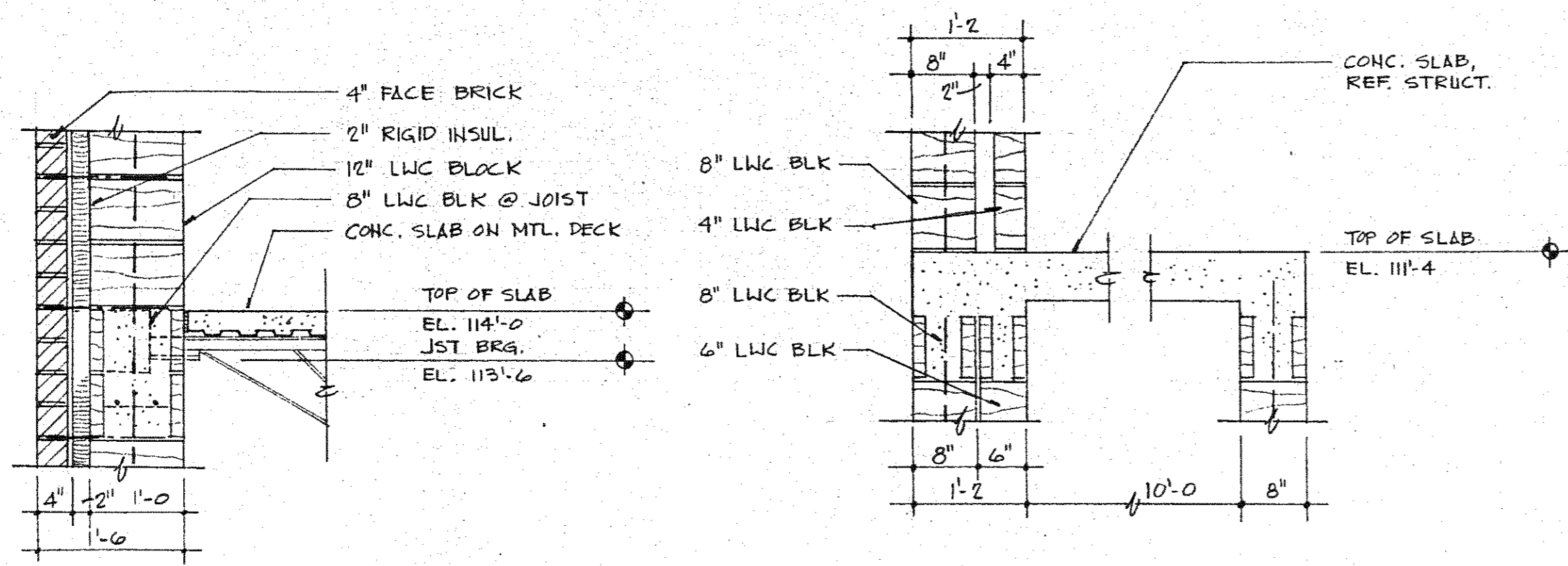
6 TURN DOWN SLAB AT EXT'R DOORS  
1/2" = 1'-0"



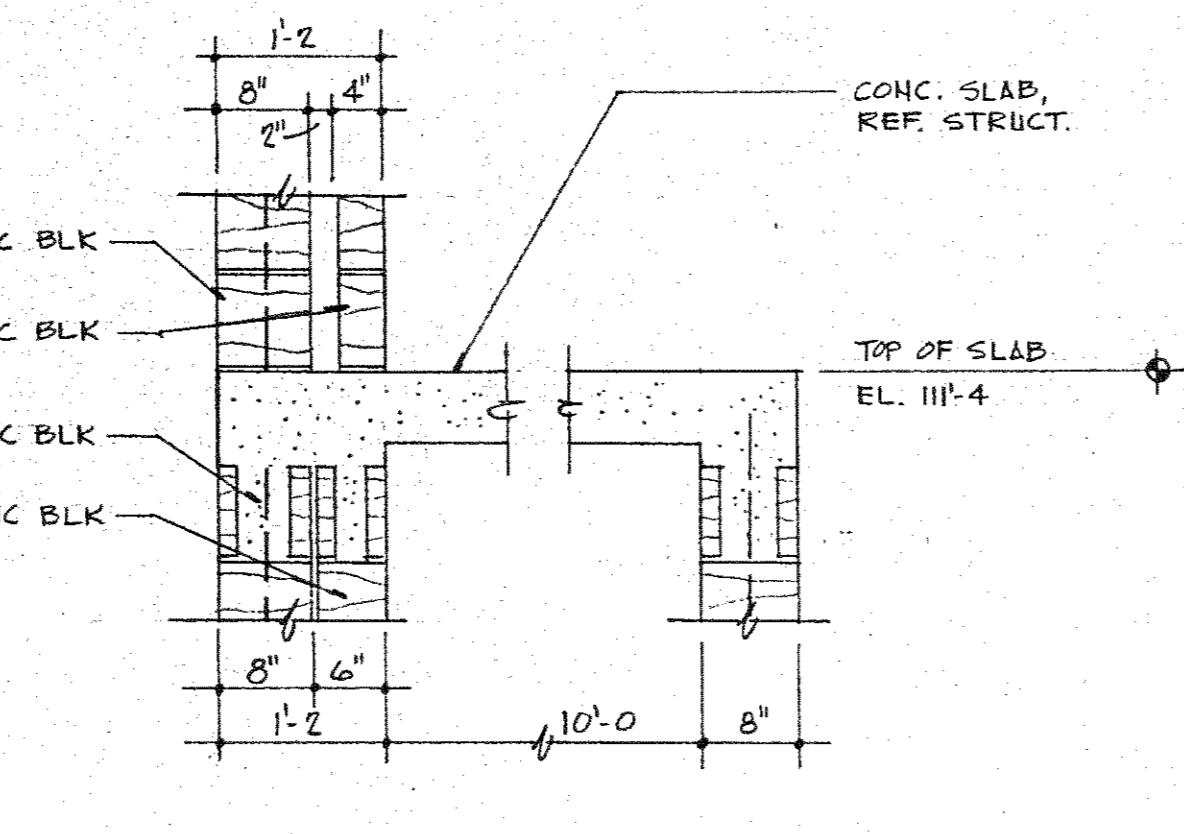
7 PLAN AT COLUMN  
1 1/2" = 1'-0"



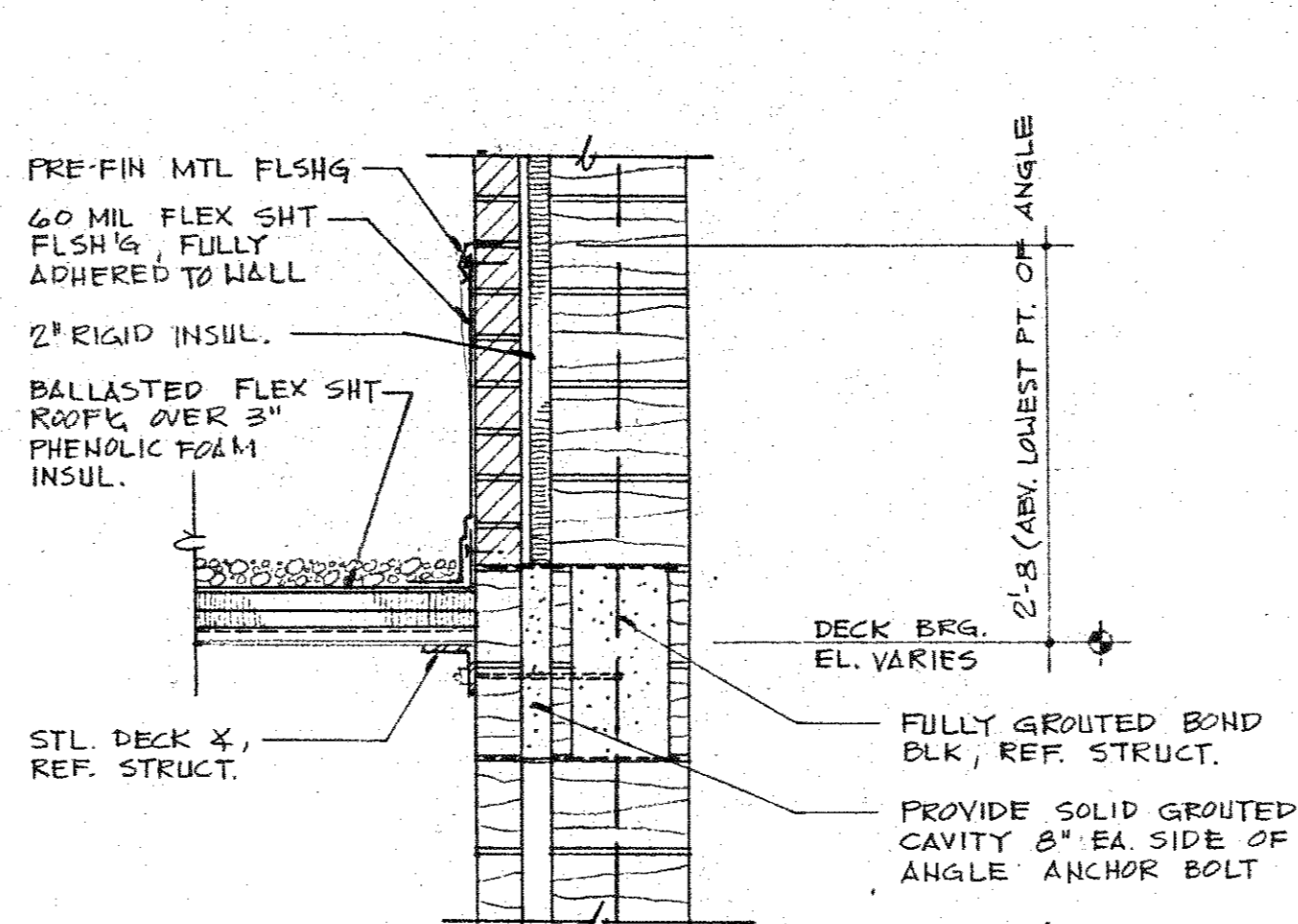
6 DETAIL AT EXTERIOR COLUMN  
3/4" = 1'-0"



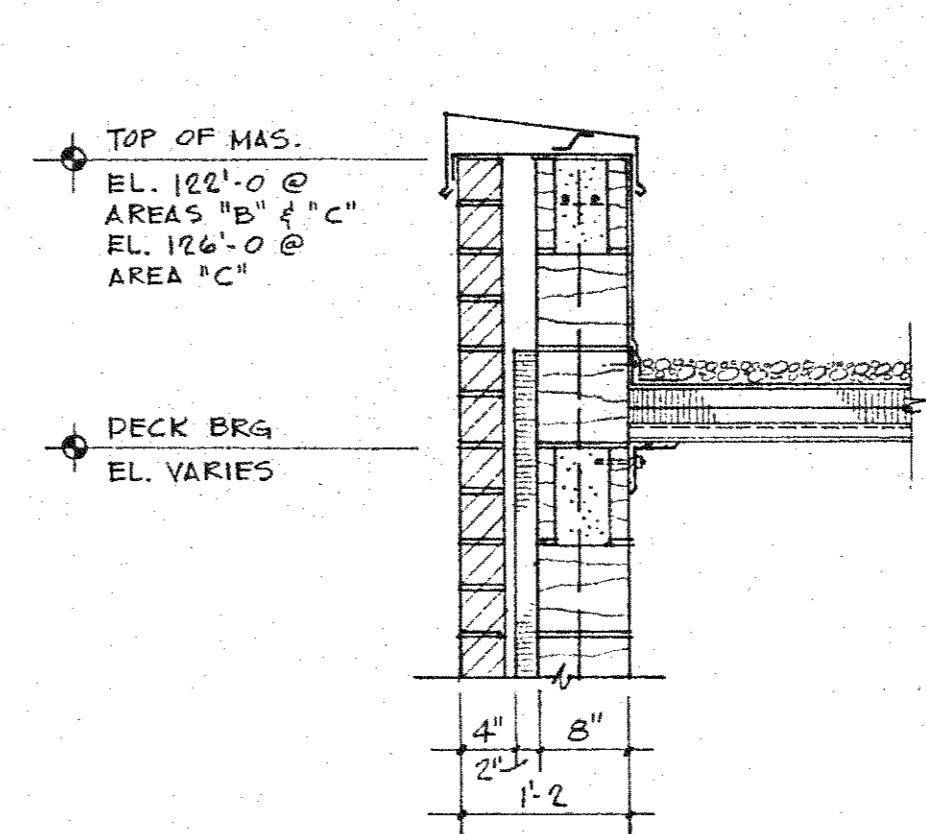
17  
A12  
DETAIL  
3/4" = 1'-0"



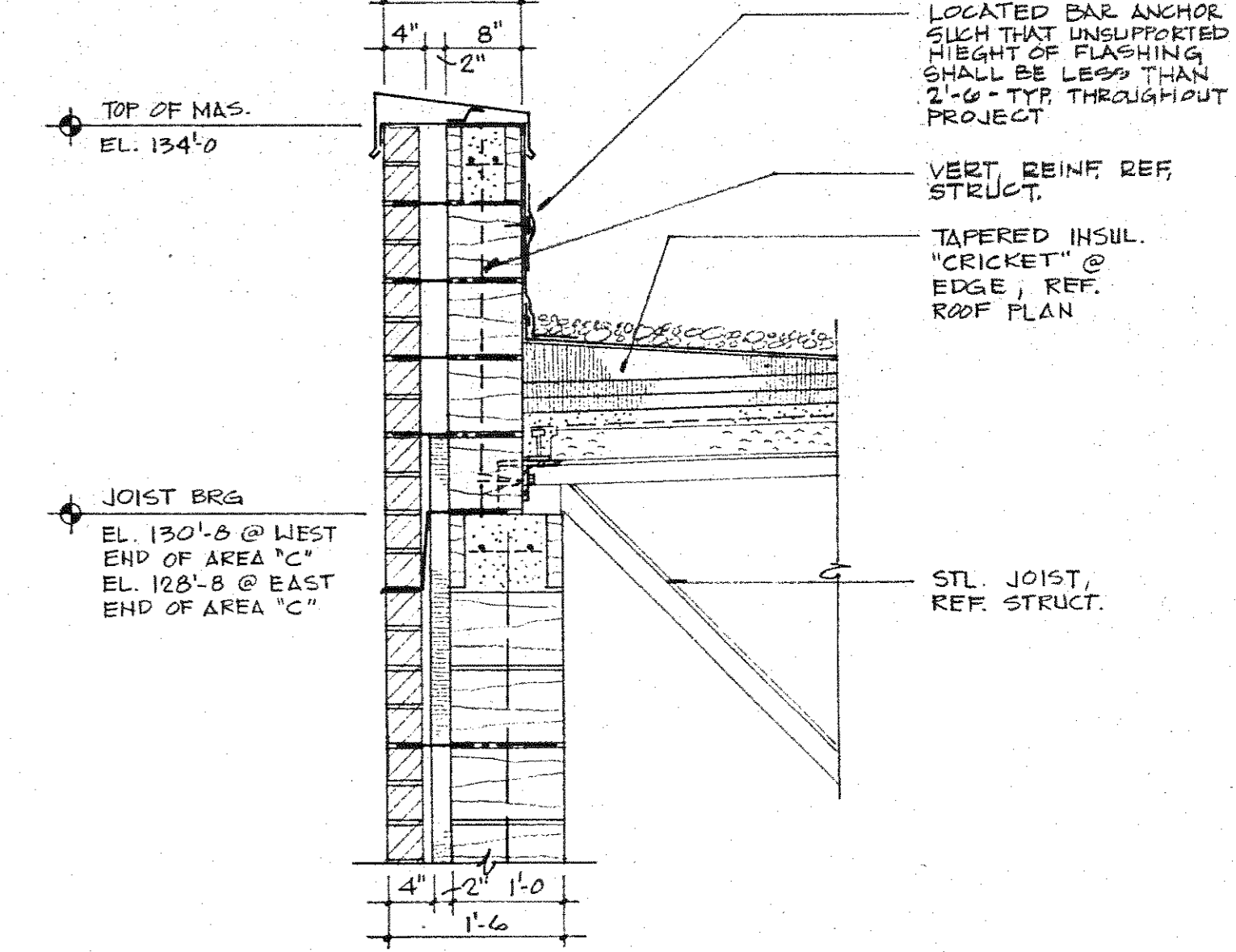
12  
A12  
DETAIL  
3/4" = 1'-0"



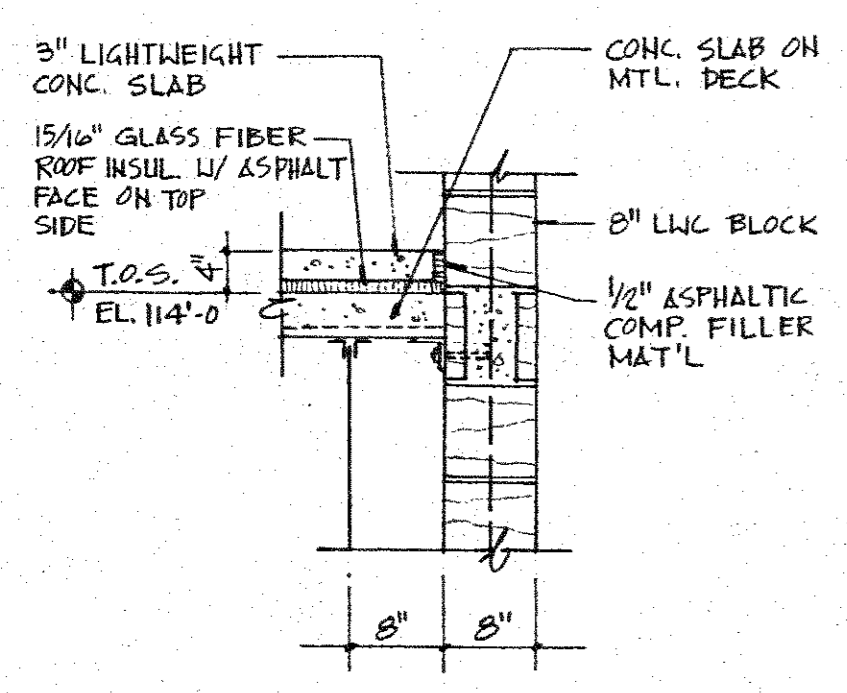
8  
A12  
DETAIL  
3/4" = 1'-0"



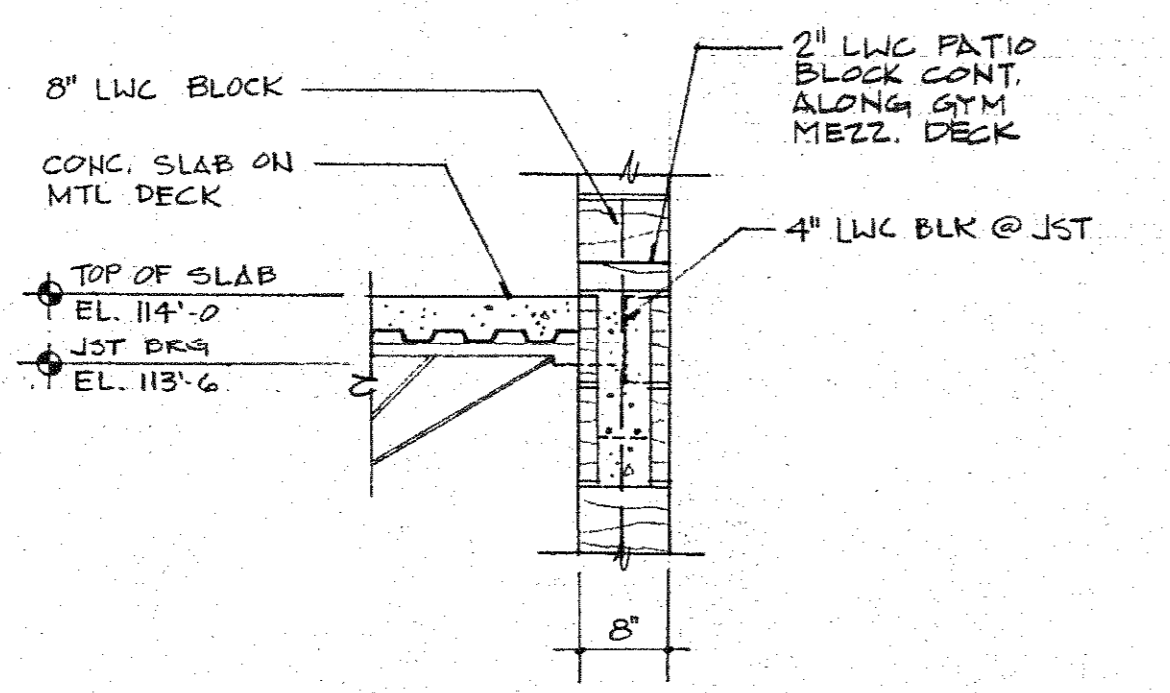
5  
A12  
DETAIL  
3/4" = 1'-0"



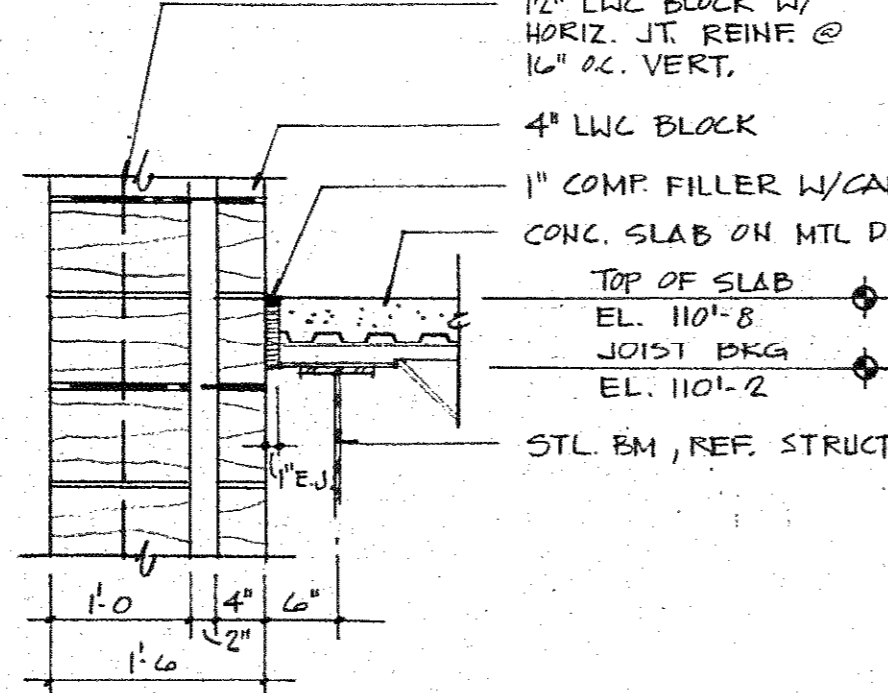
1  
A12  
DETAIL  
3/4" = 1'-0"



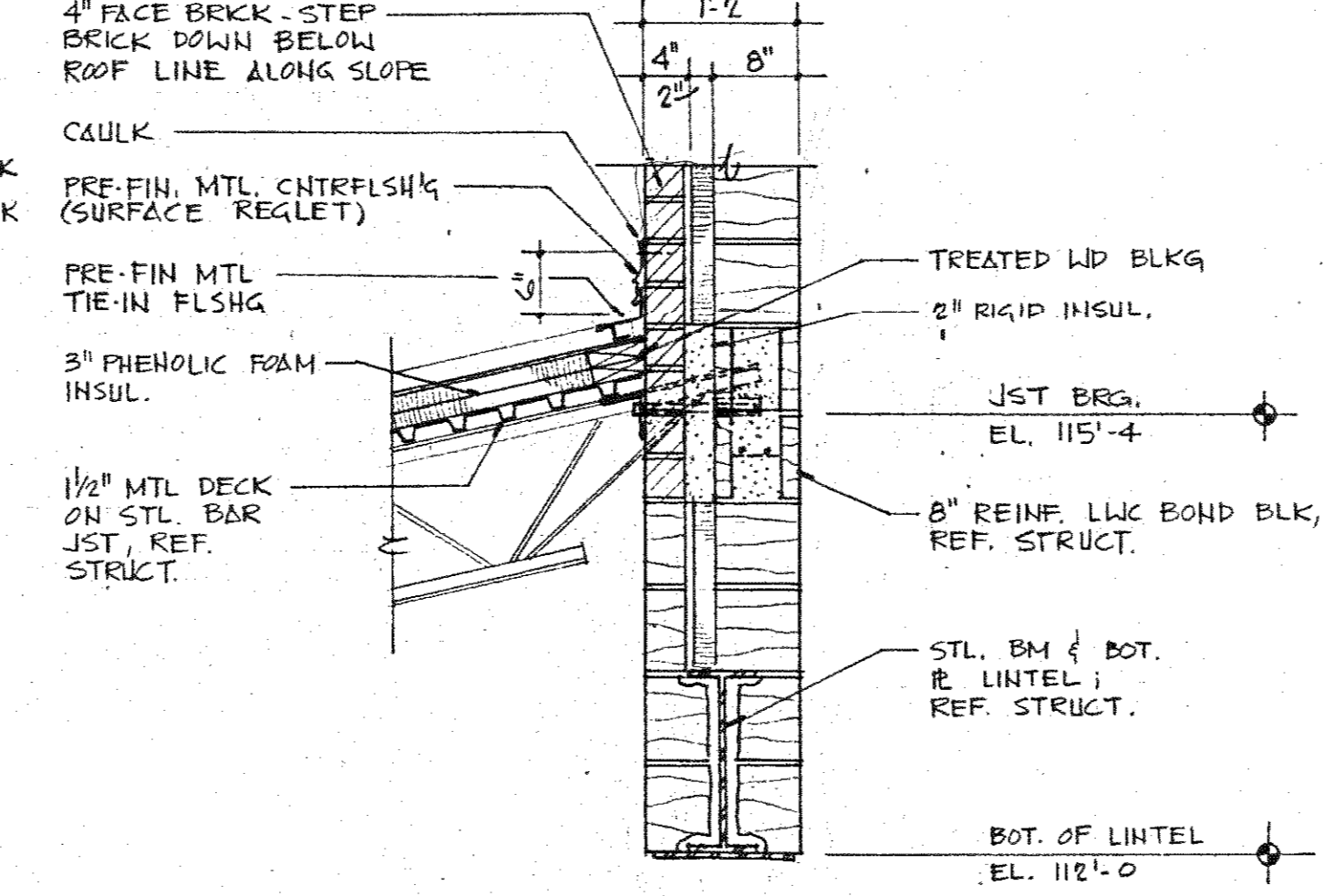
19  
A12  
DETAIL  
3/4" = 1'-0"



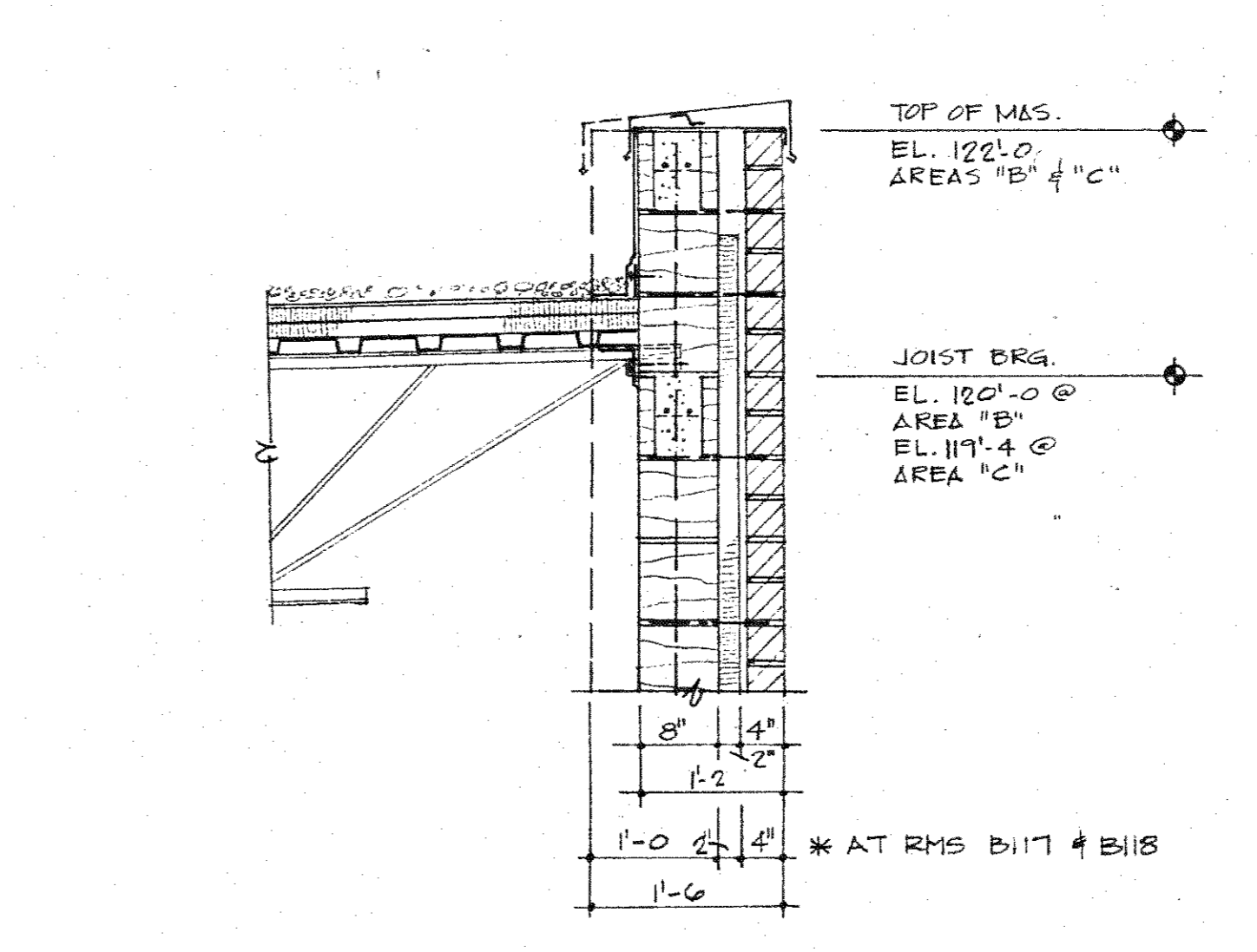
18  
A12  
DETAIL  
3/4" = 1'-0"



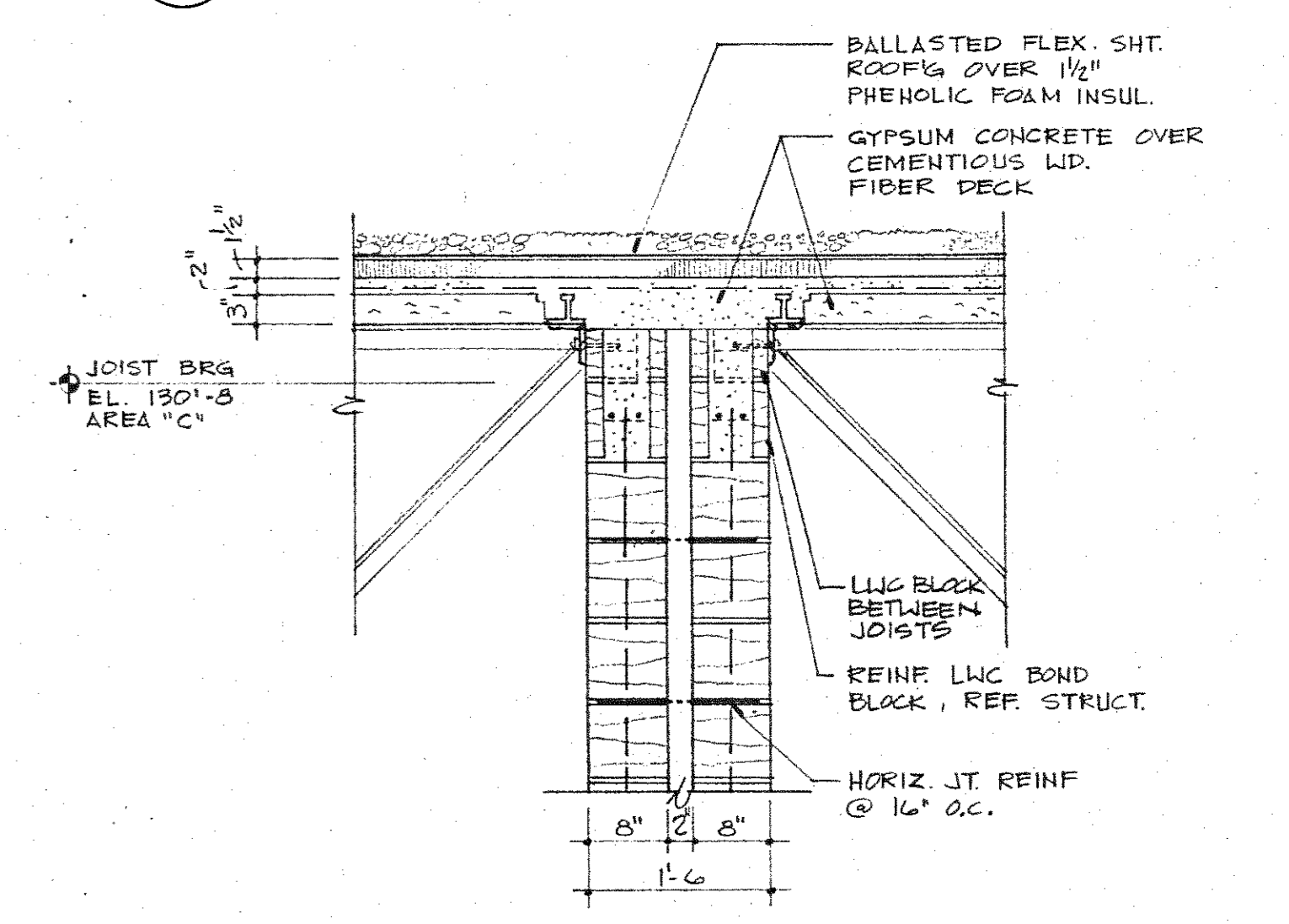
13  
A12  
DETAIL  
3/4" = 1'-0"



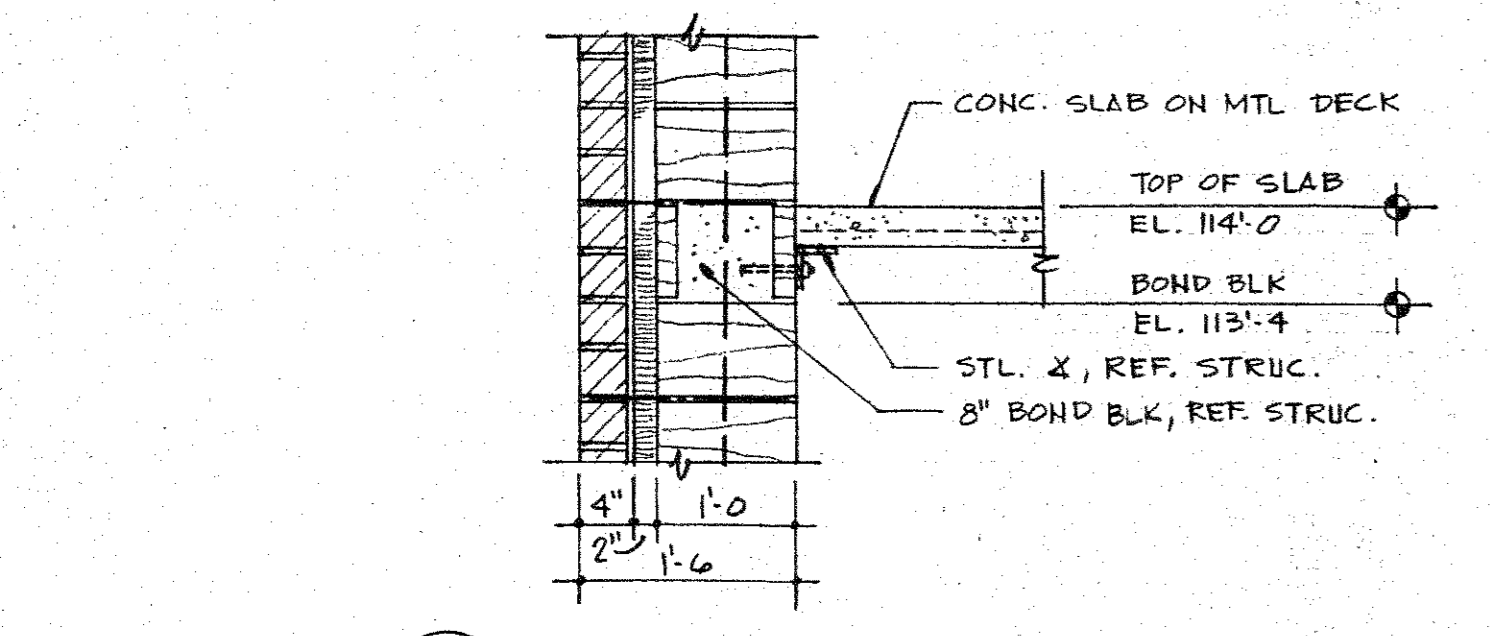
8  
A12  
DETAIL  
3/4" = 1'-0"



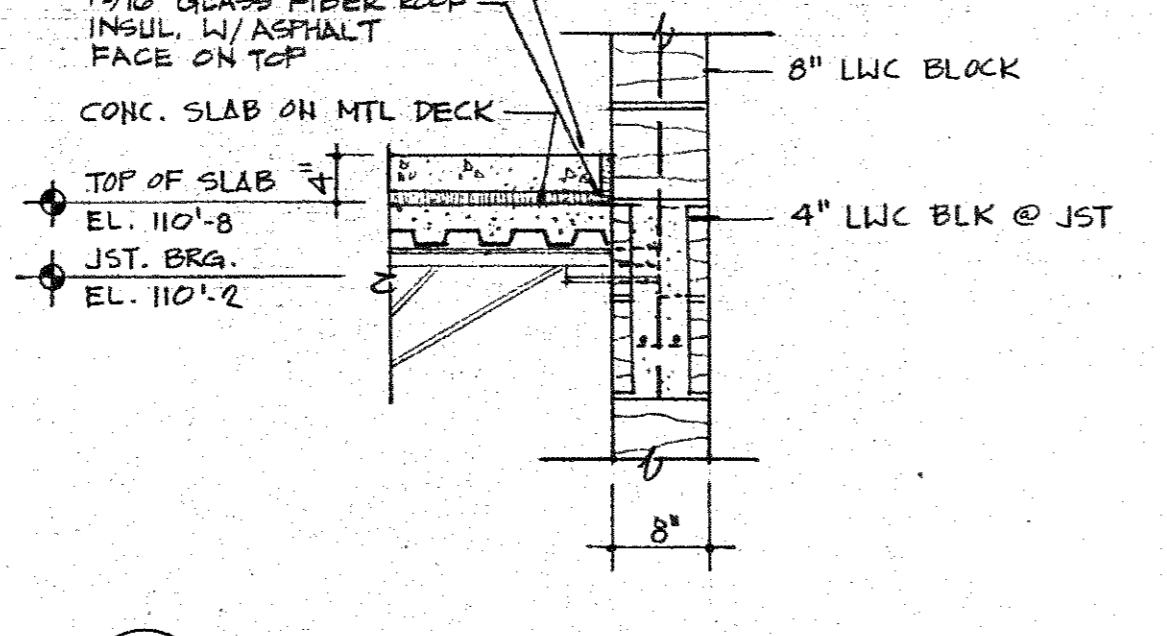
6  
A12  
DETAIL  
3/4" = 1'-0"



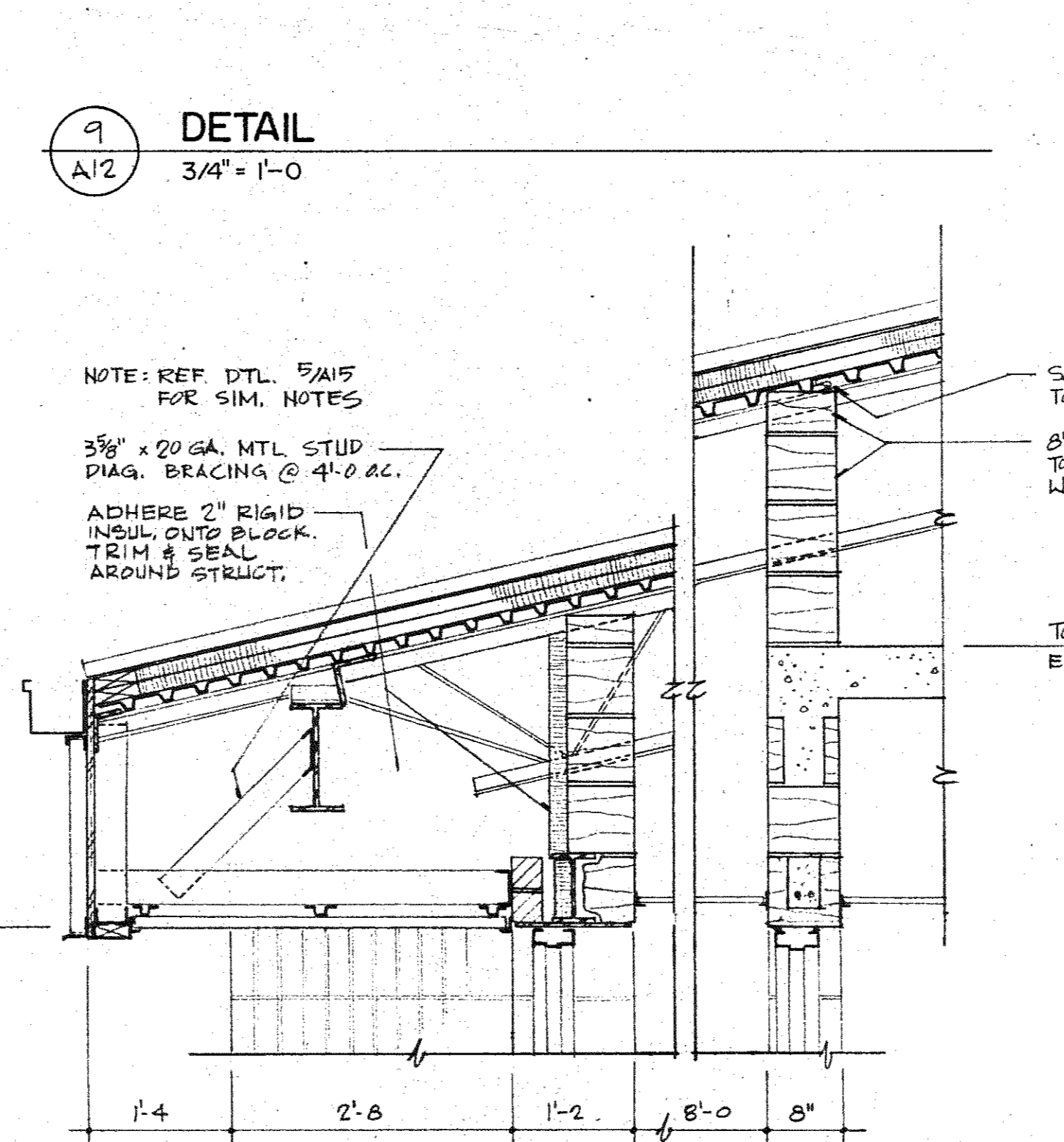
1  
A12  
DETAIL  
3/4" = 1'-0"



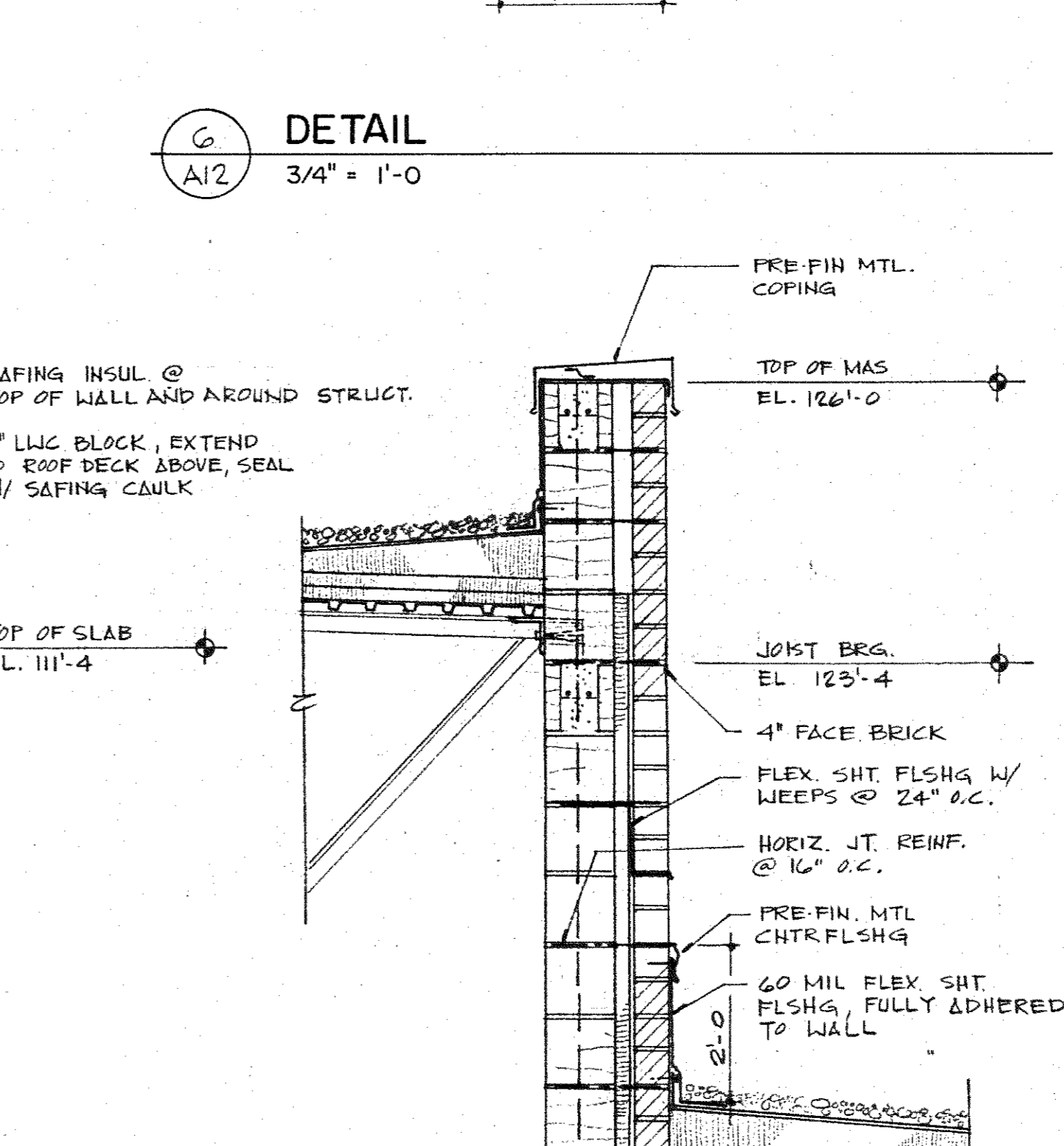
20  
A12  
DETAIL  
3/4" = 1'-0"



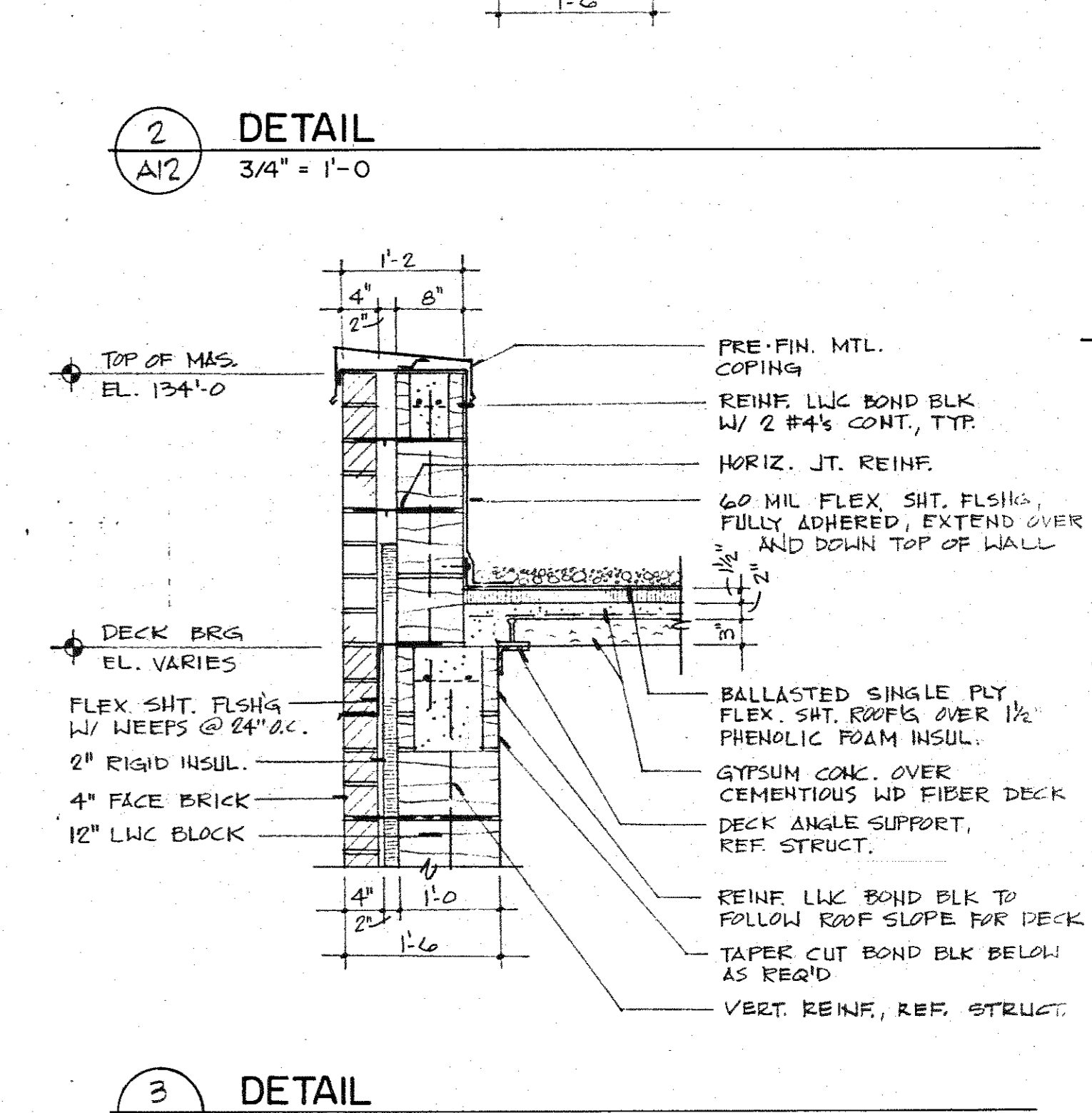
14  
A12  
DETAIL  
3/4" = 1'-0"



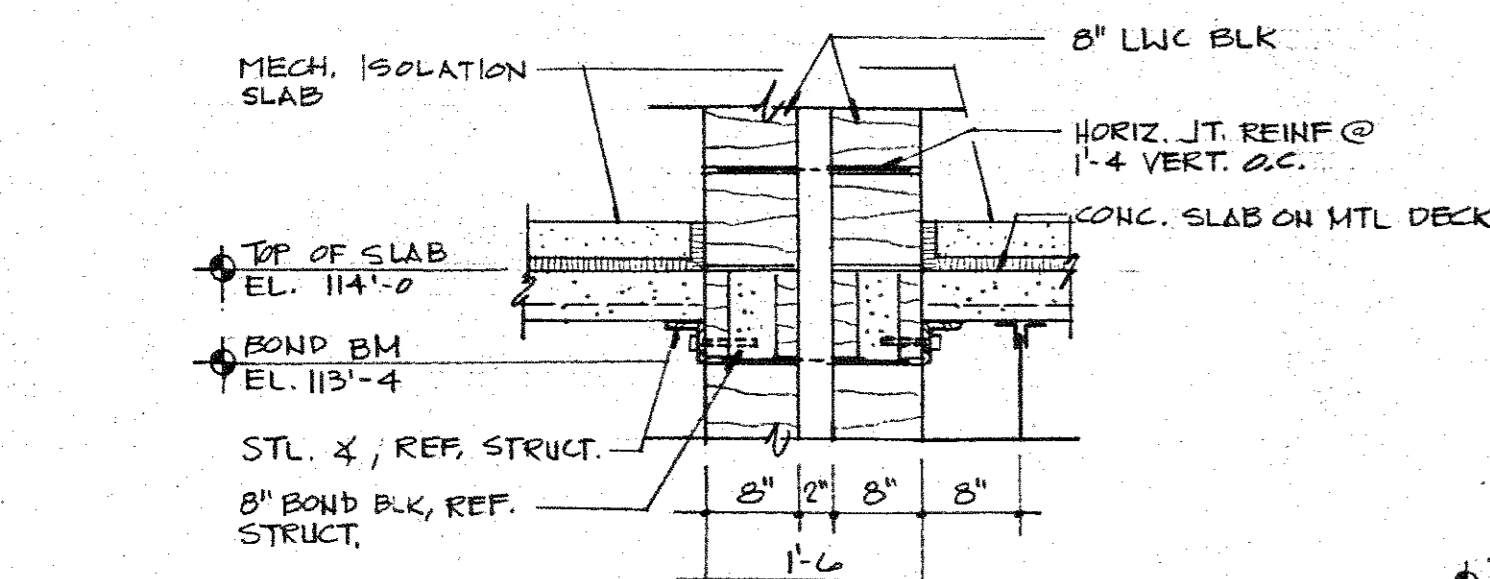
9  
A12  
DETAIL  
3/4" = 1'-0"



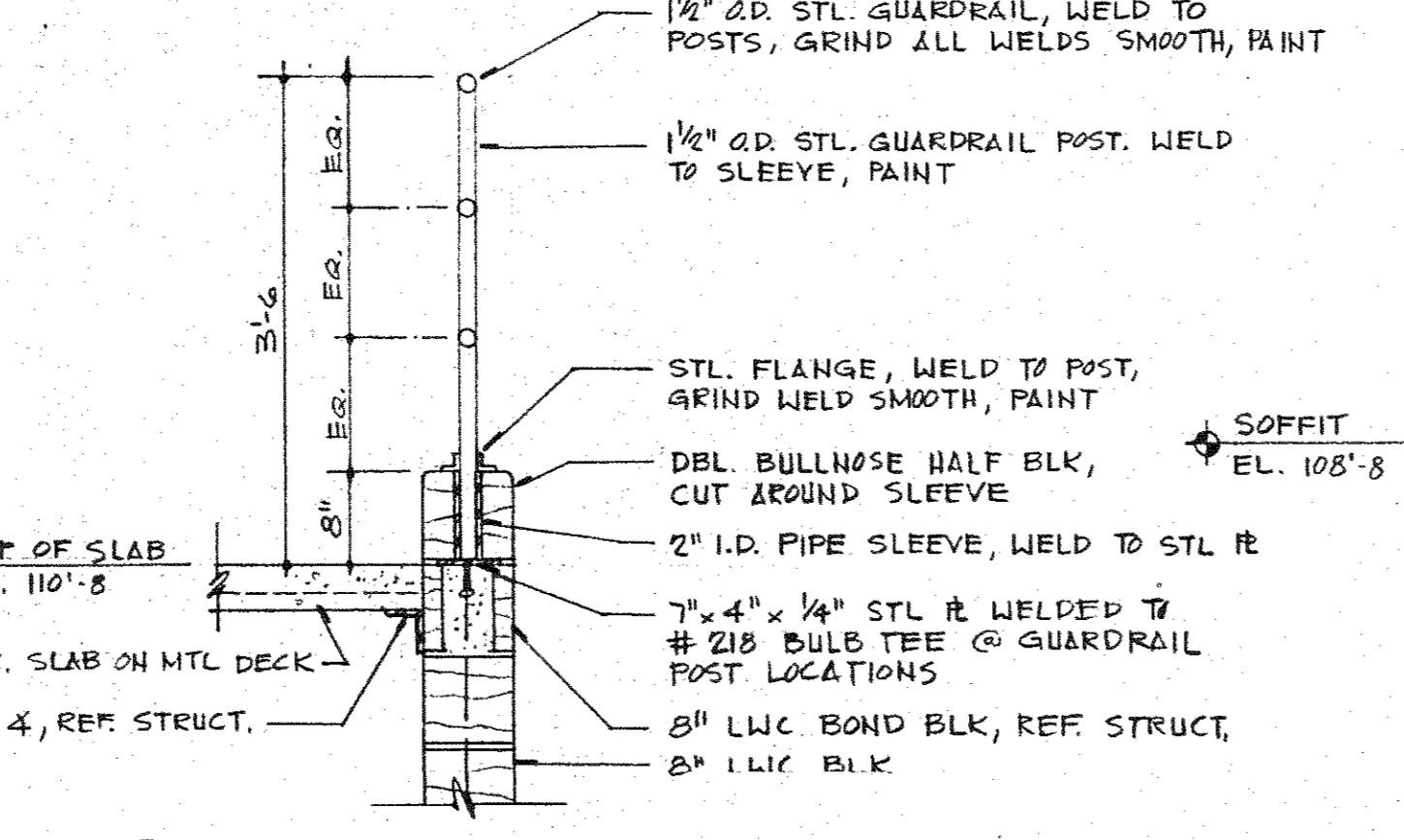
6  
A12  
DETAIL  
3/4" = 1'-0"



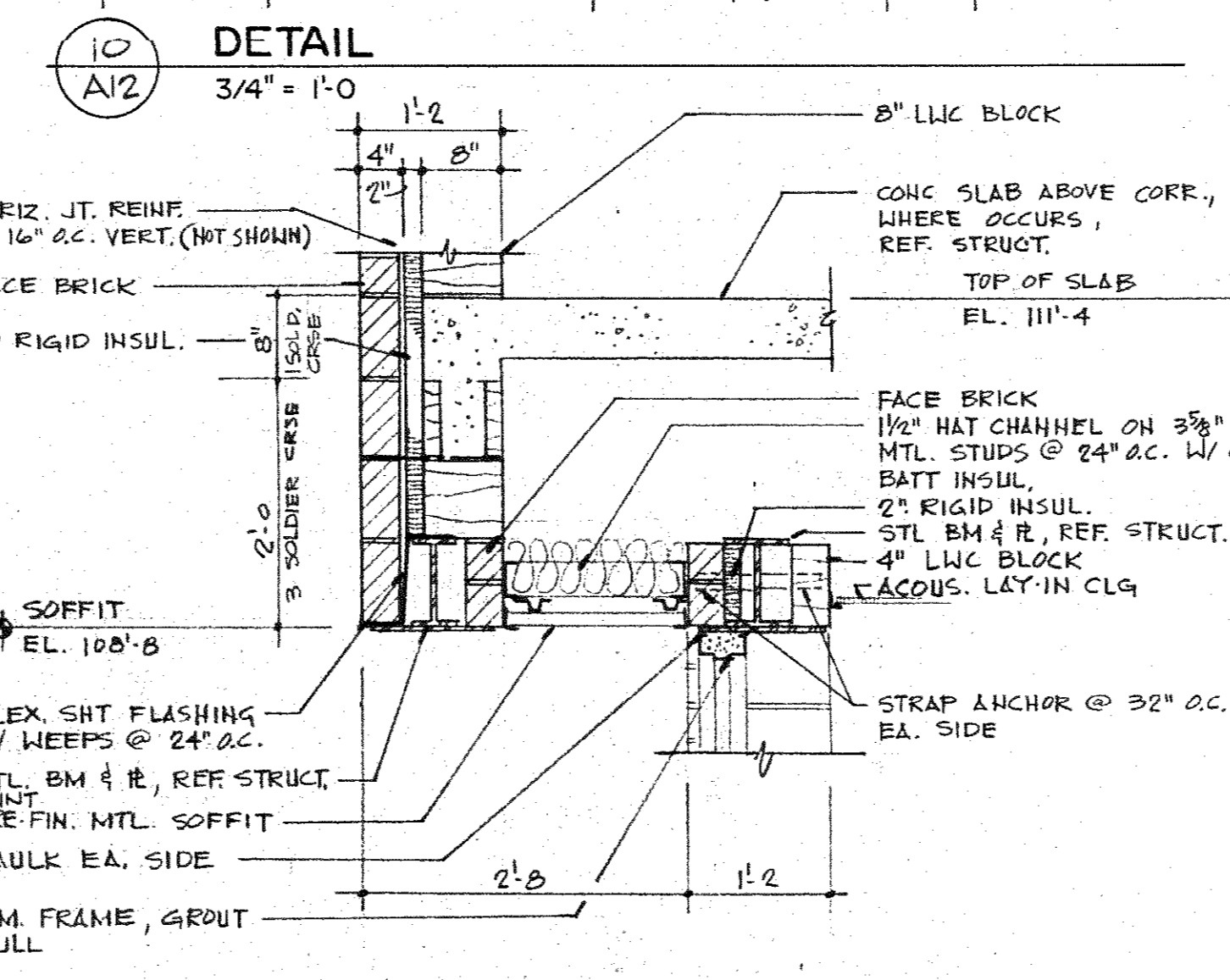
2  
A12  
DETAIL  
3/4" = 1'-0"



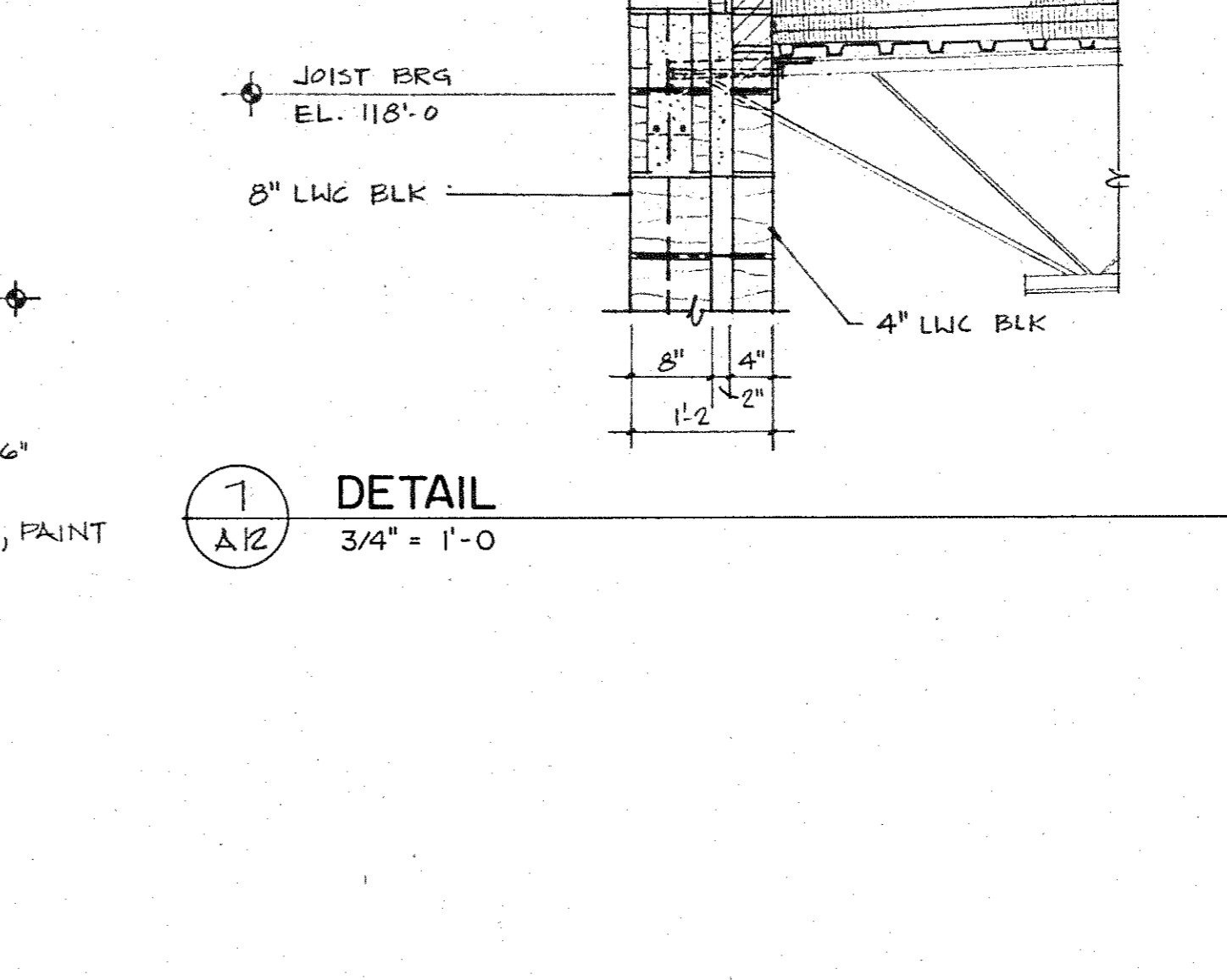
21  
A12  
DETAIL  
3/4" = 1'-0"



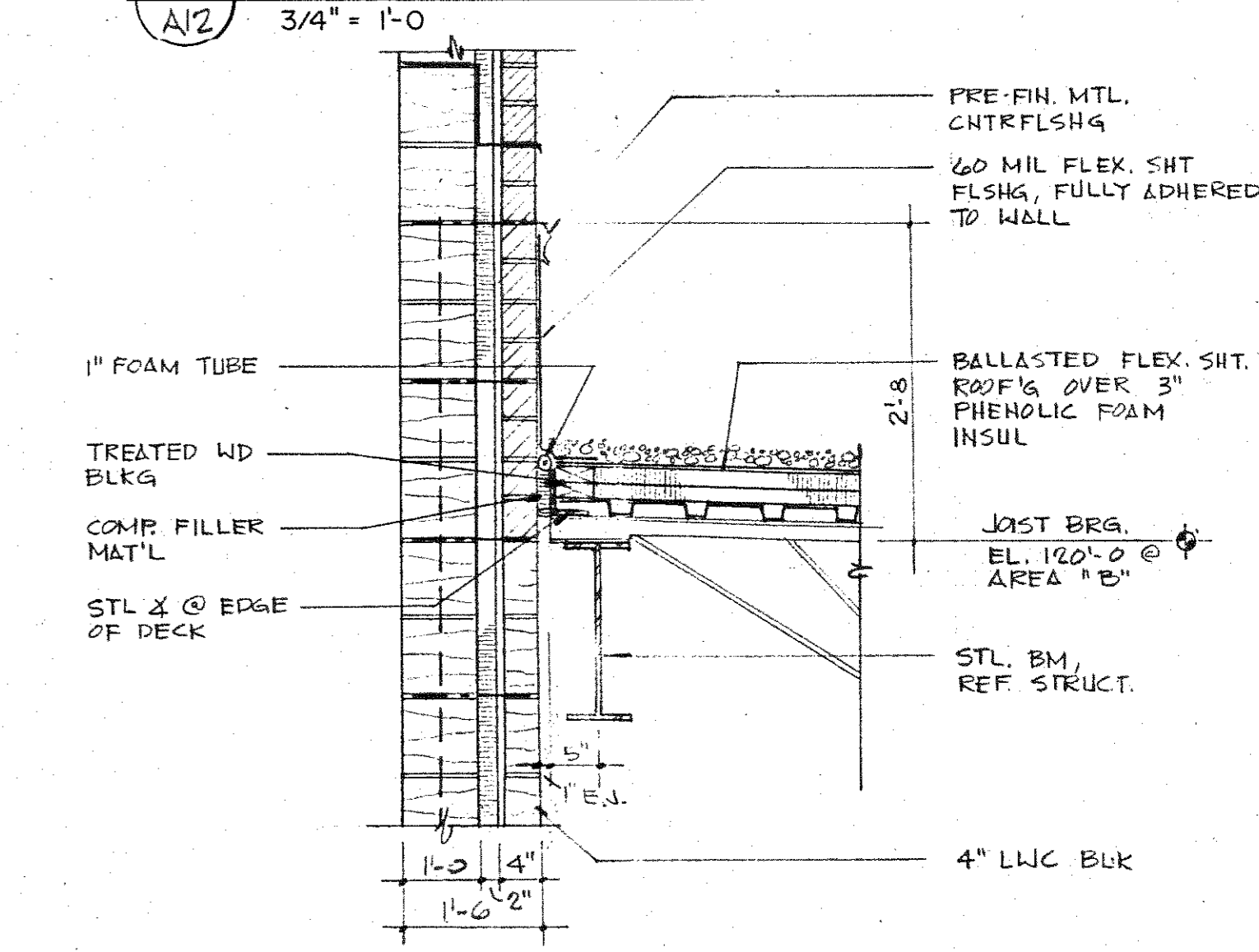
15  
A12  
DETAIL  
3/4" = 1'-0"



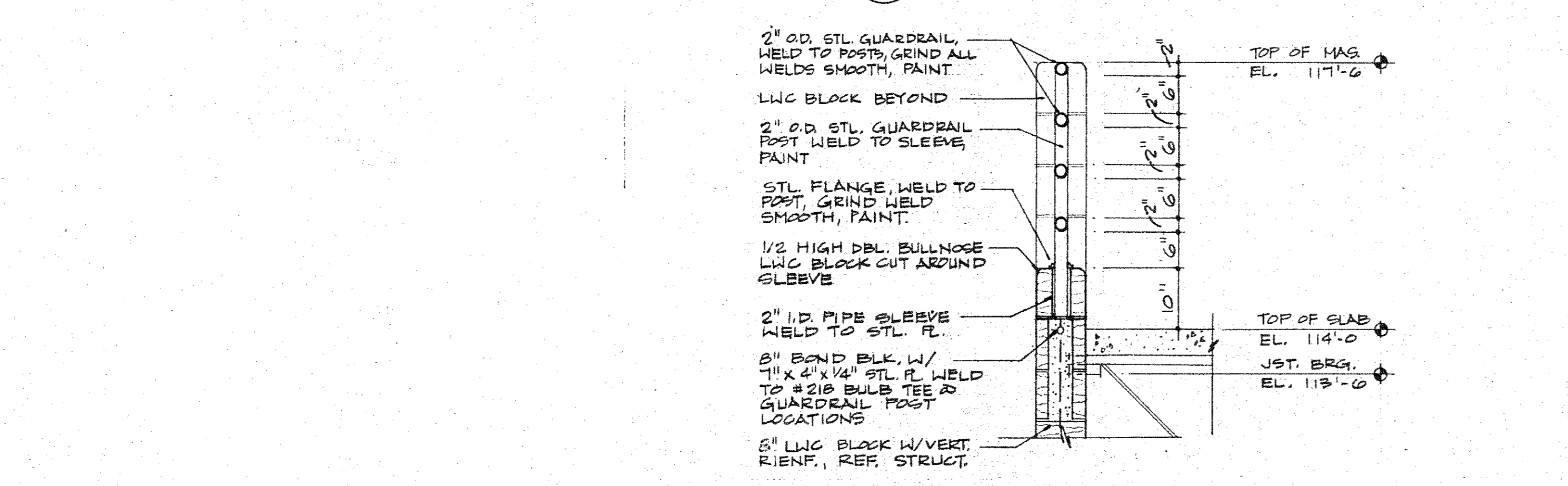
10  
A12  
DETAIL  
3/4" = 1'-0"



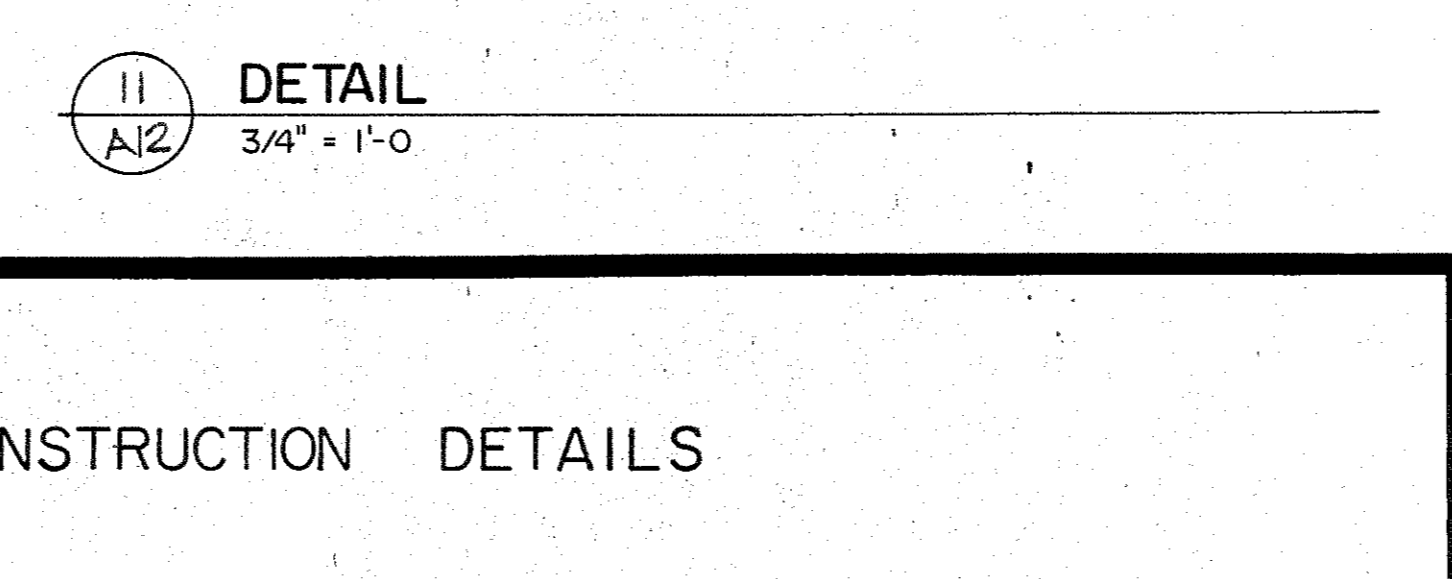
7  
A12  
DETAIL  
3/4" = 1'-0"



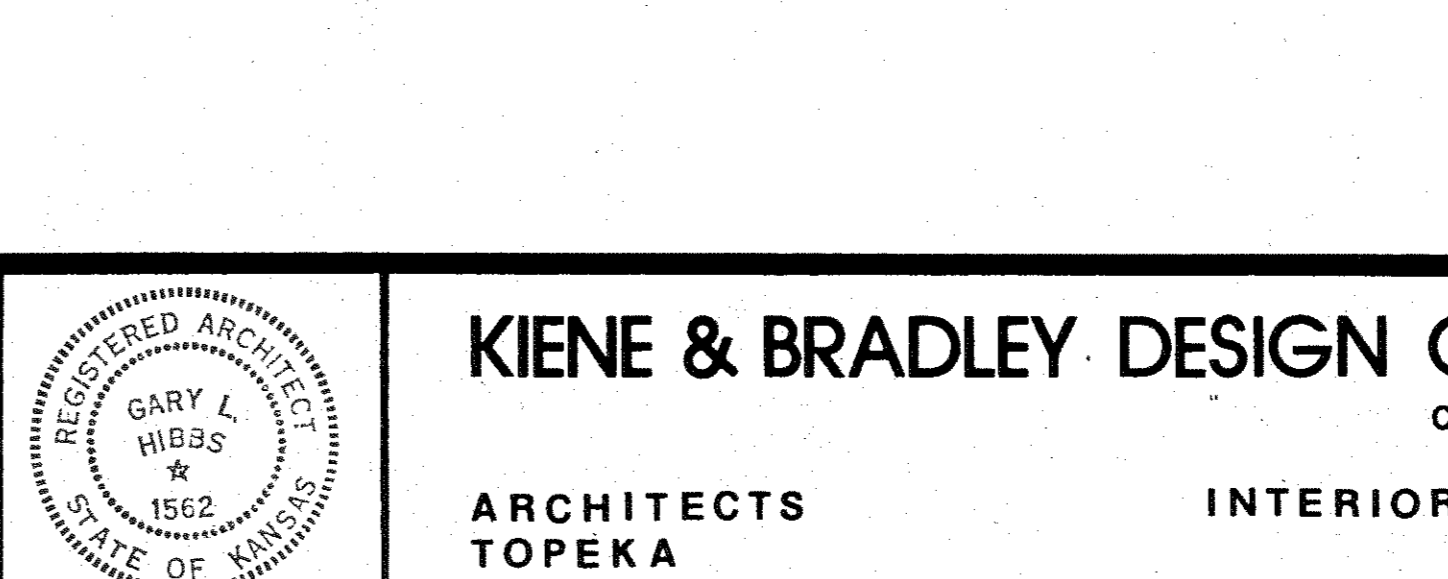
3  
A12  
DETAIL  
3/4" = 1'-0"



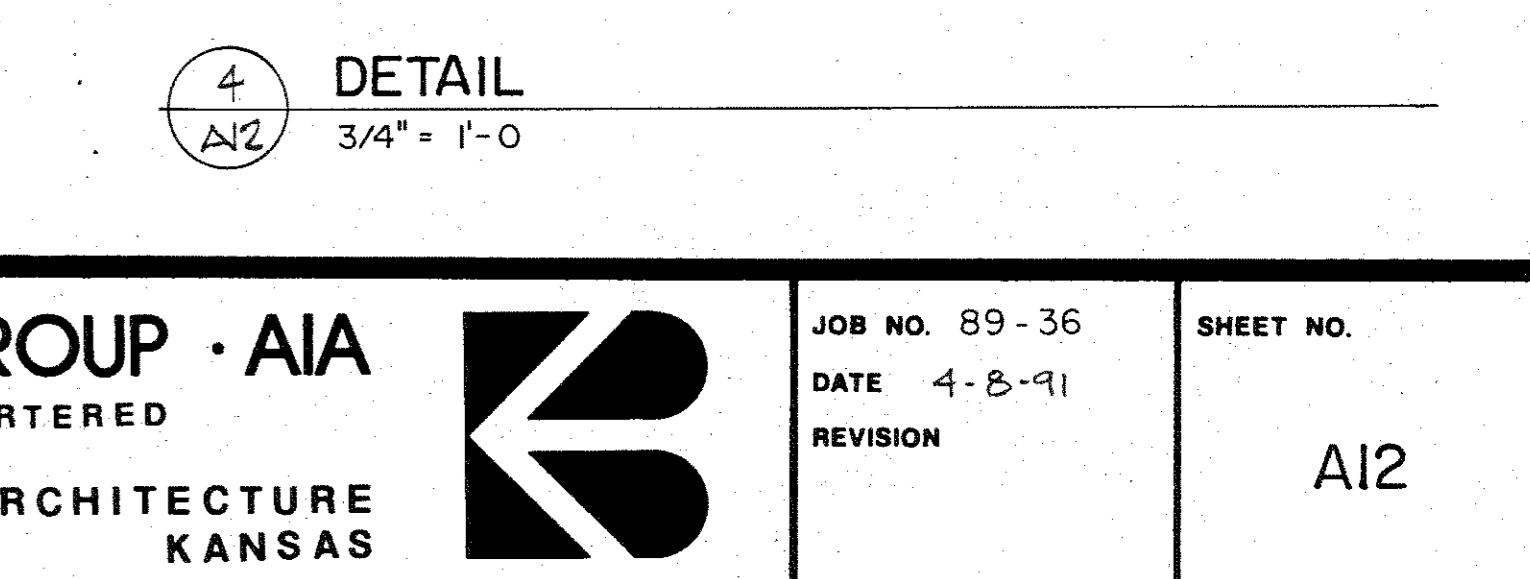
16  
A12  
GUARDRAIL DETAIL  
3/4" = 1'-0"



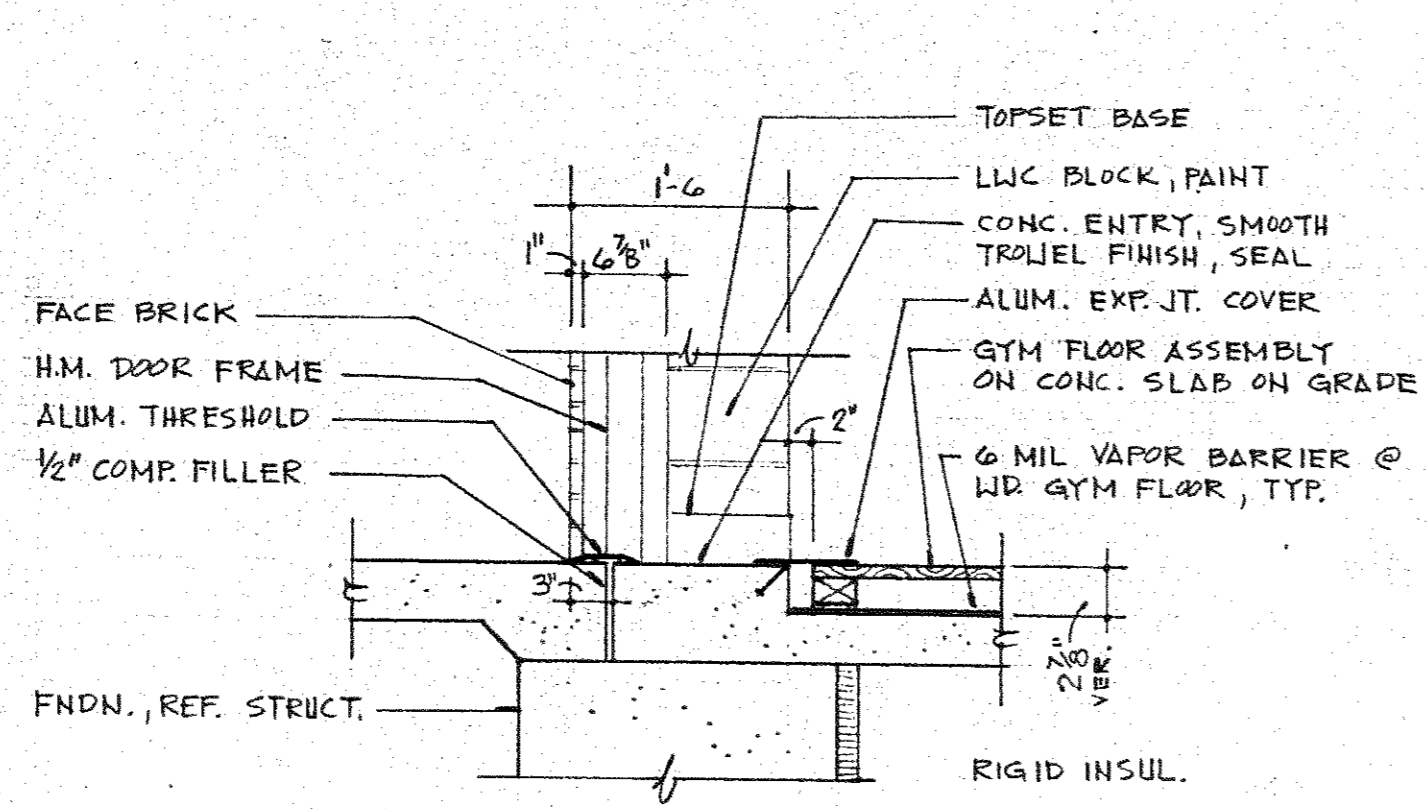
11  
A12  
DETAIL  
3/4" = 1'-0"



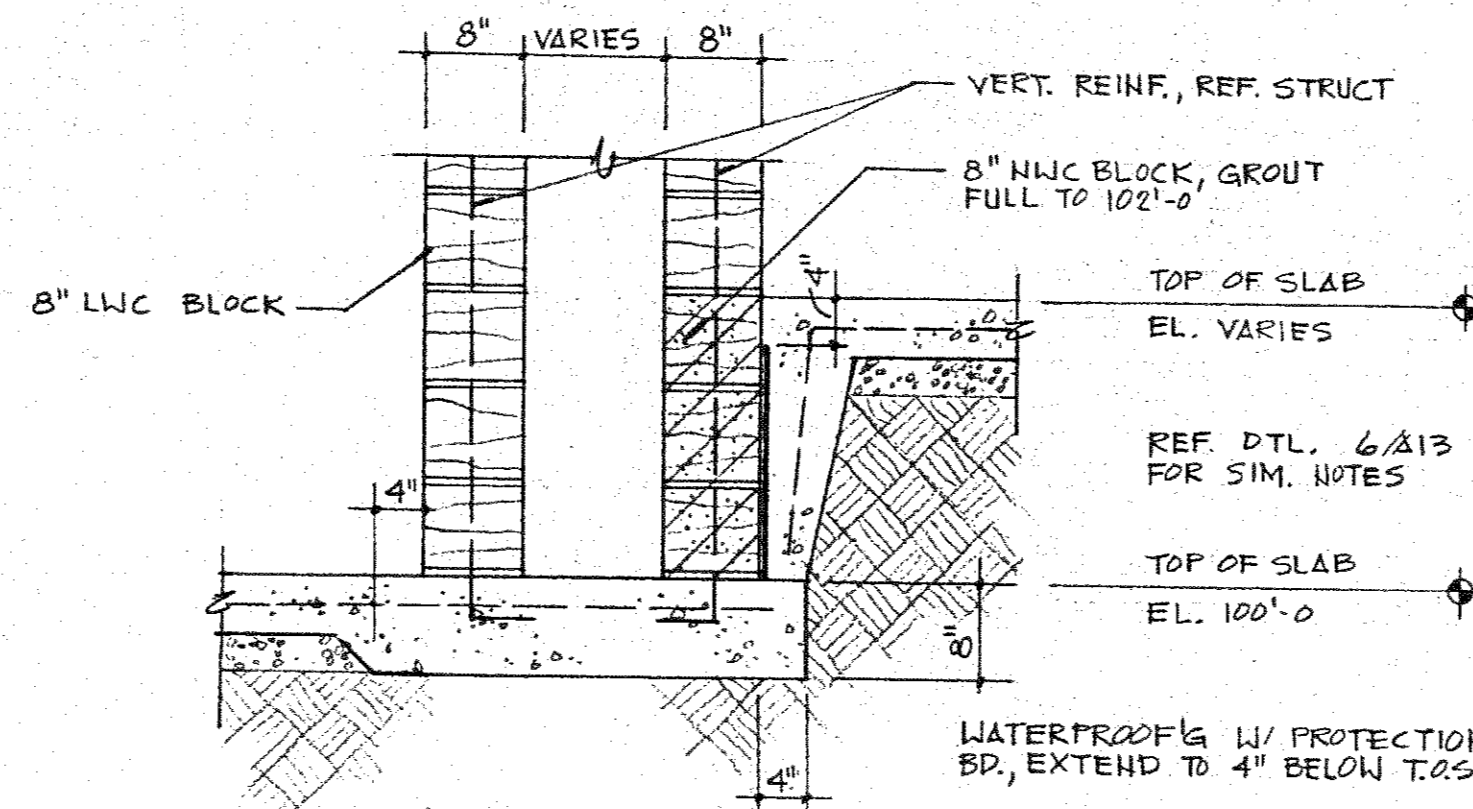
7  
A12  
DETAIL  
3/4" = 1'-0"



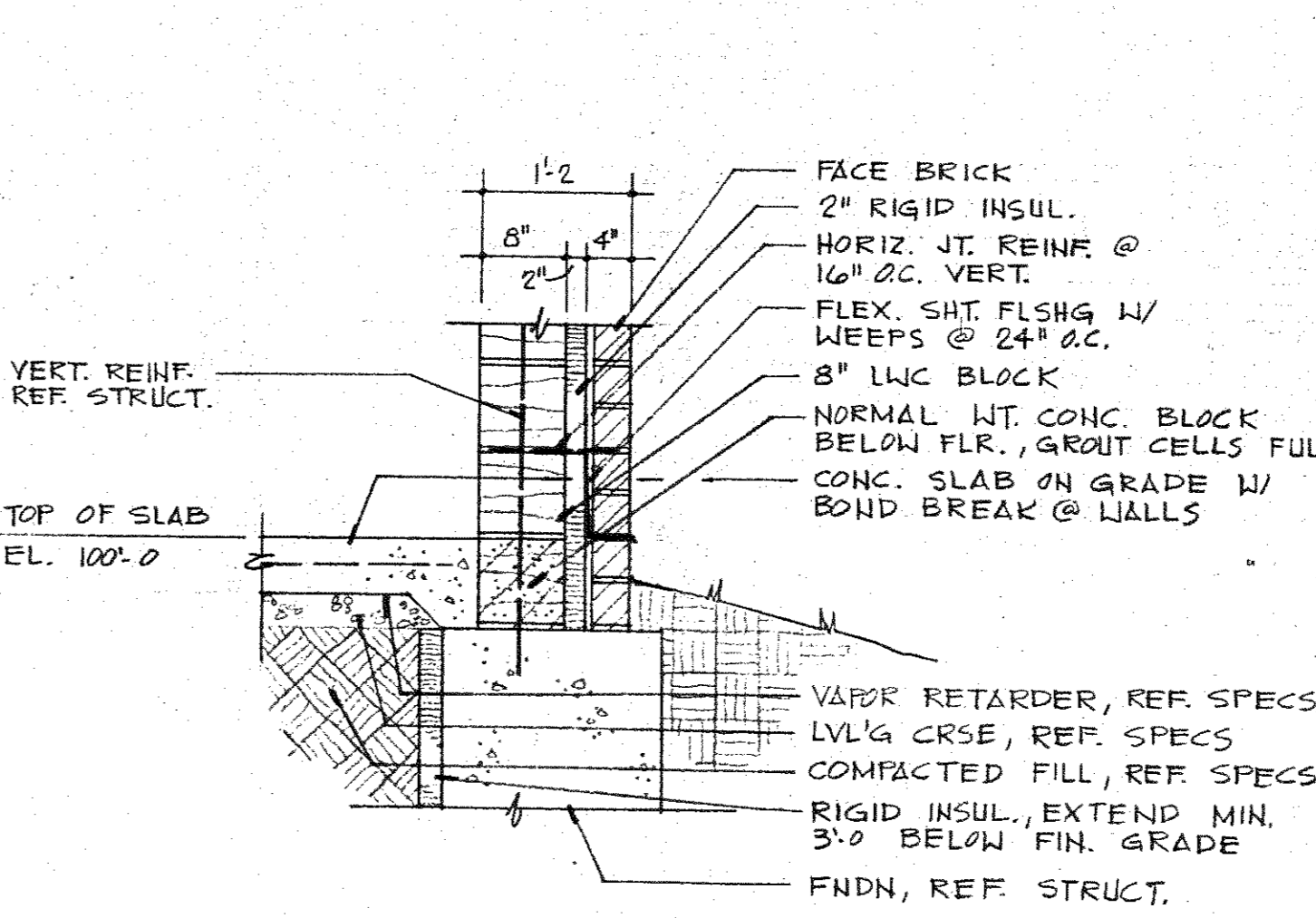
4  
A12  
DETAIL  
3/4" = 1'-0"



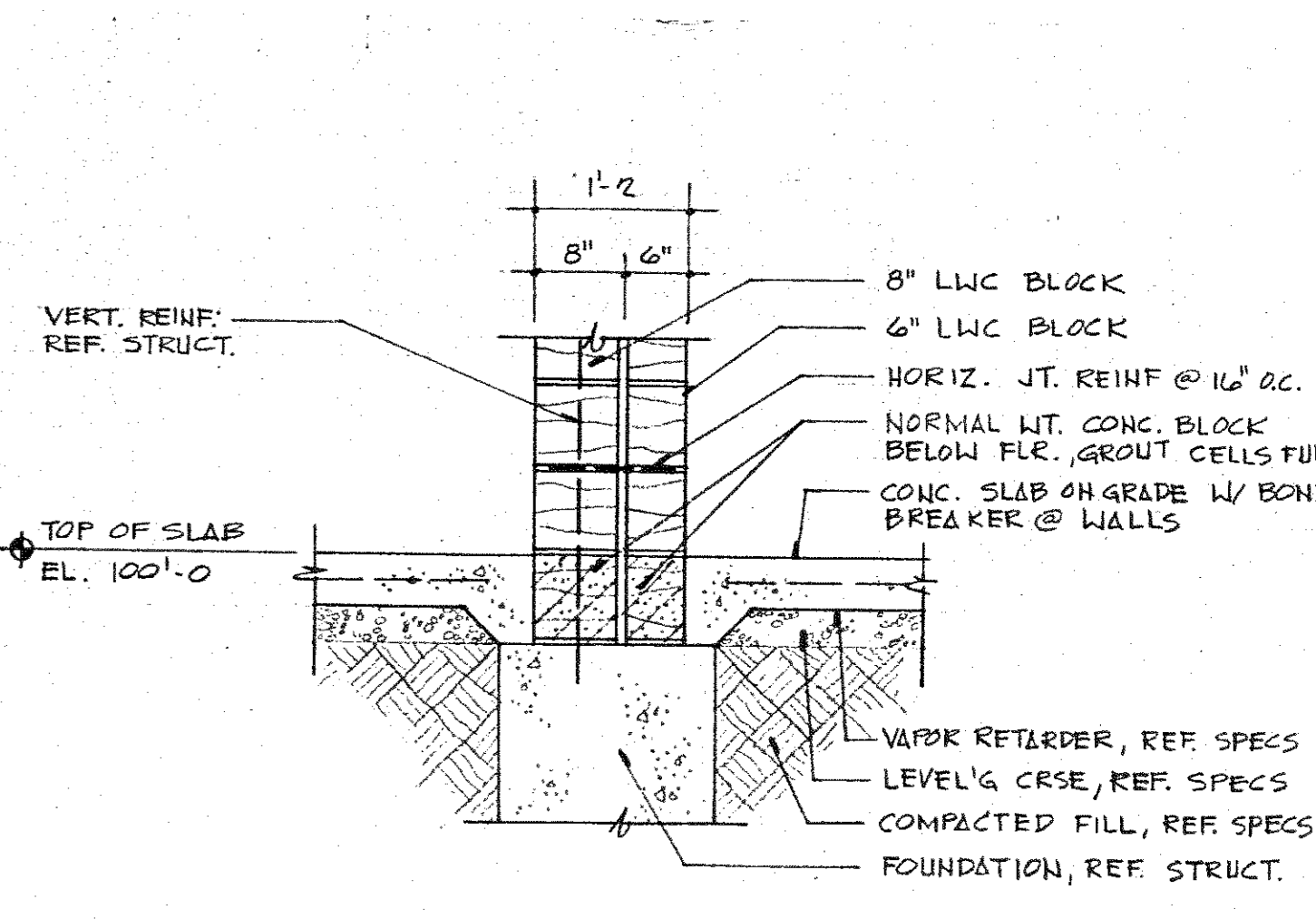
13 FLOOR E.J. AT DOOR  
A13 3/4" = 1'-0"



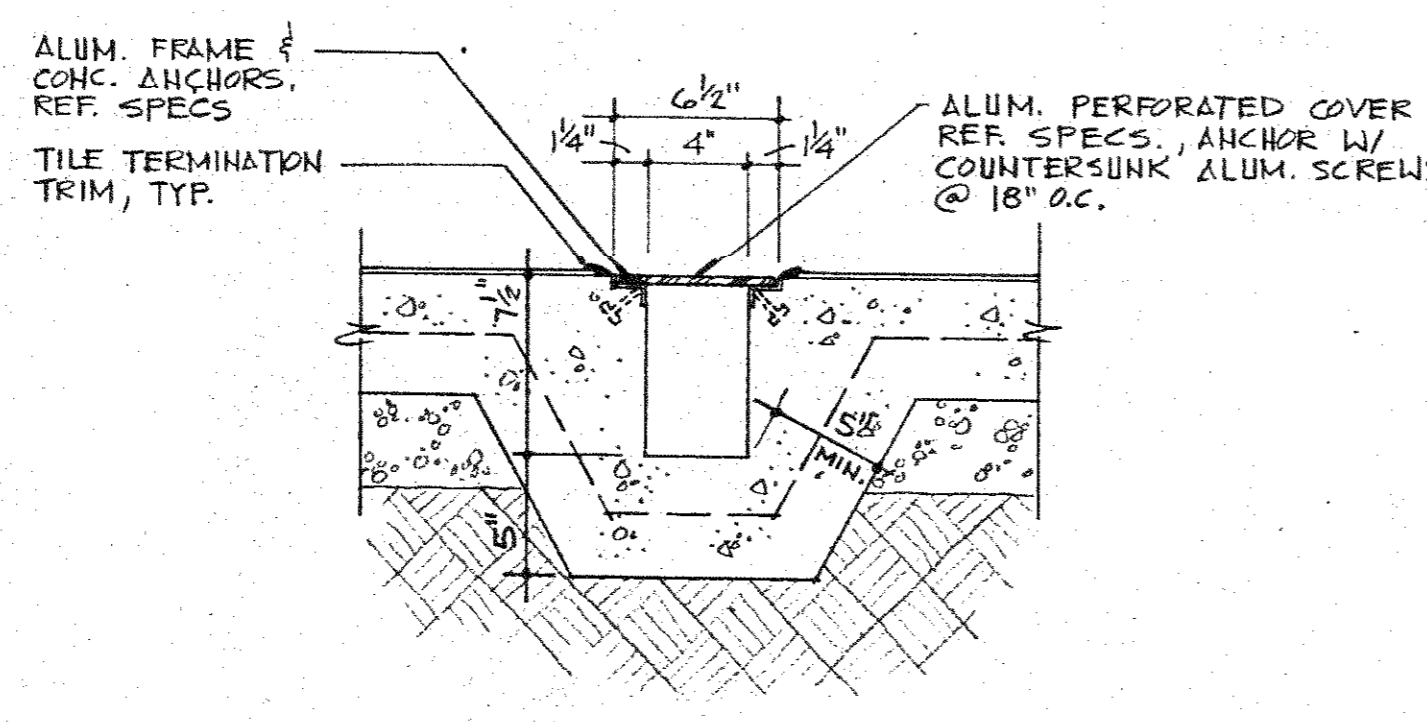
9 DETAIL  
A13 3/4" = 1'-0"



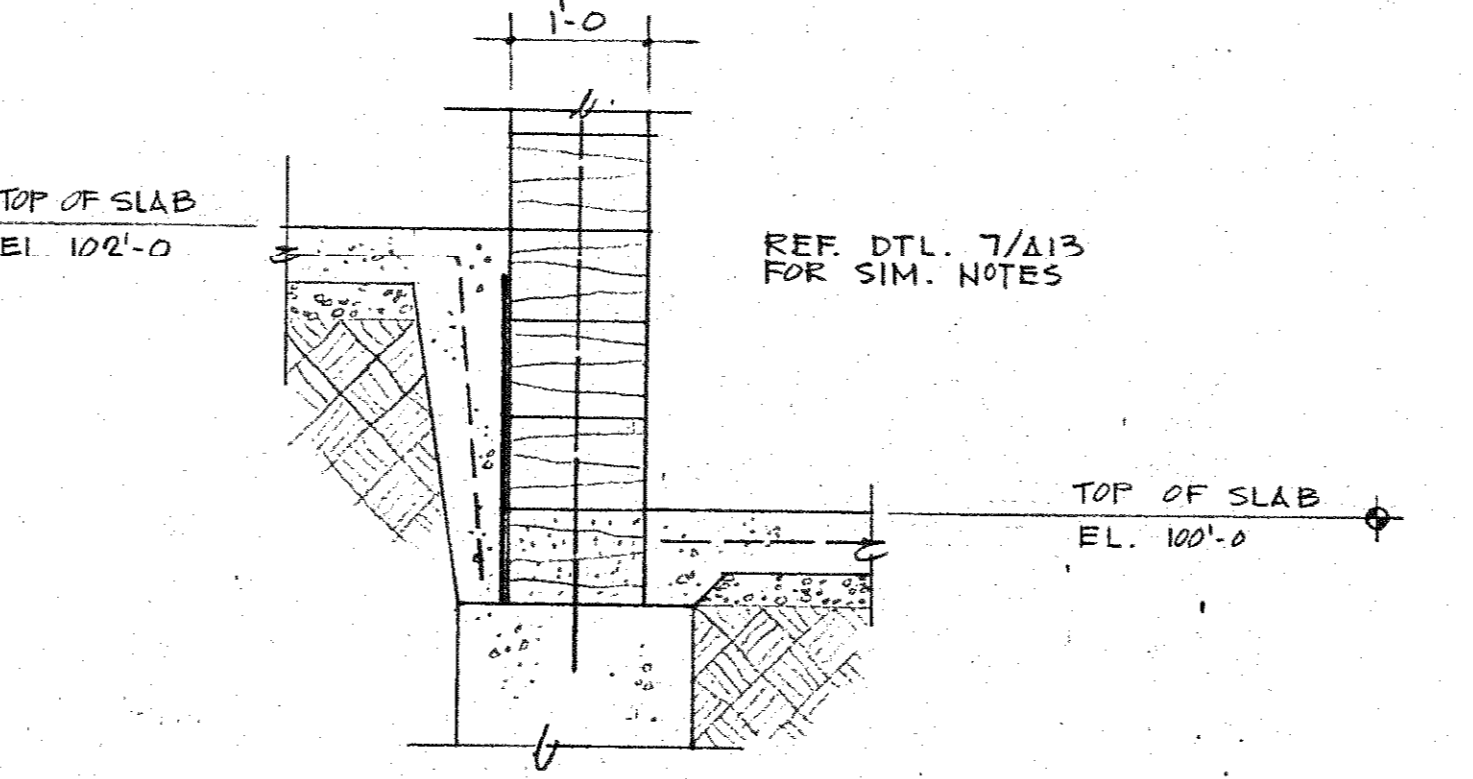
5 DETAIL  
A13 3/4" = 1'-0"



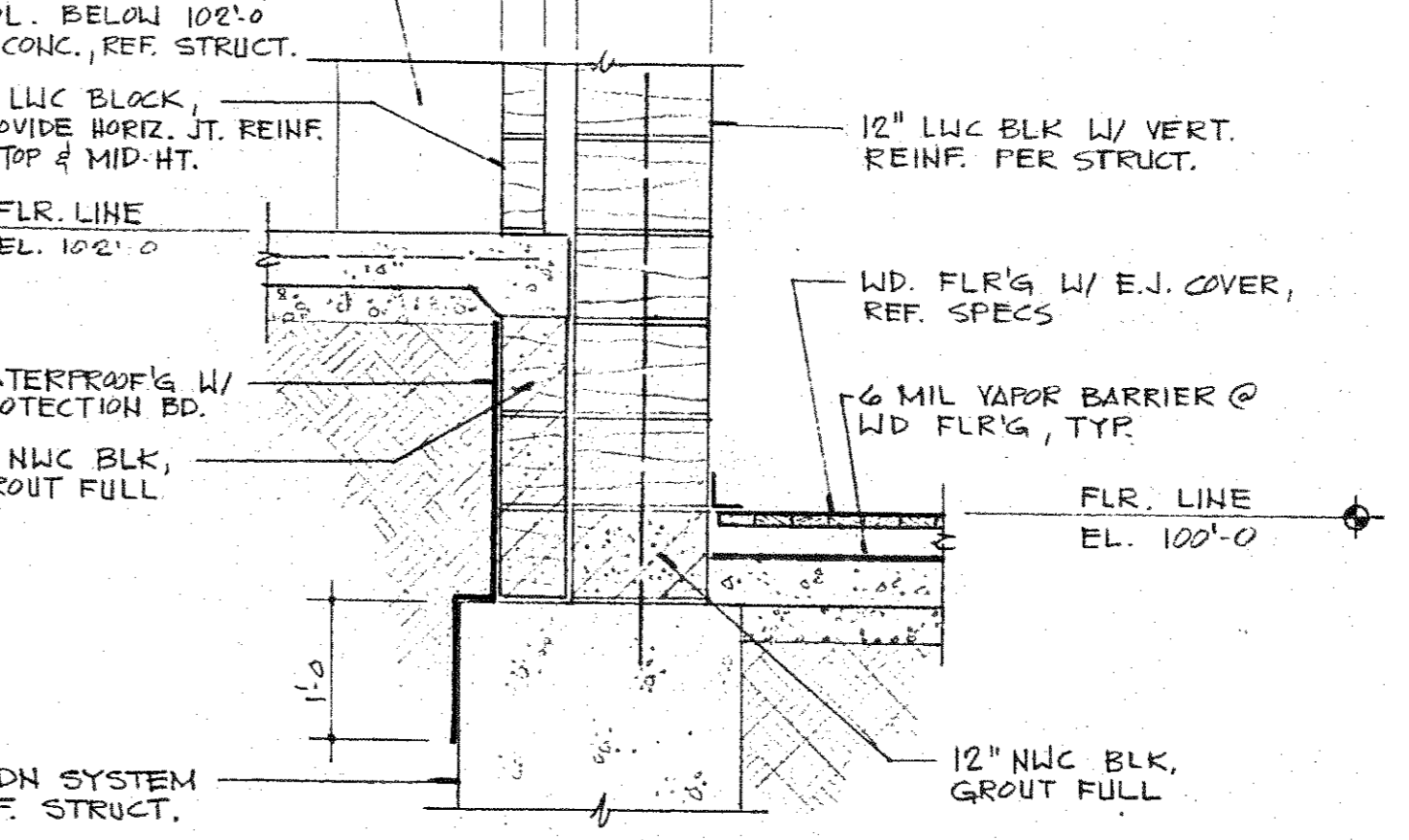
1 DETAIL  
A13 3/4" = 1'-0"



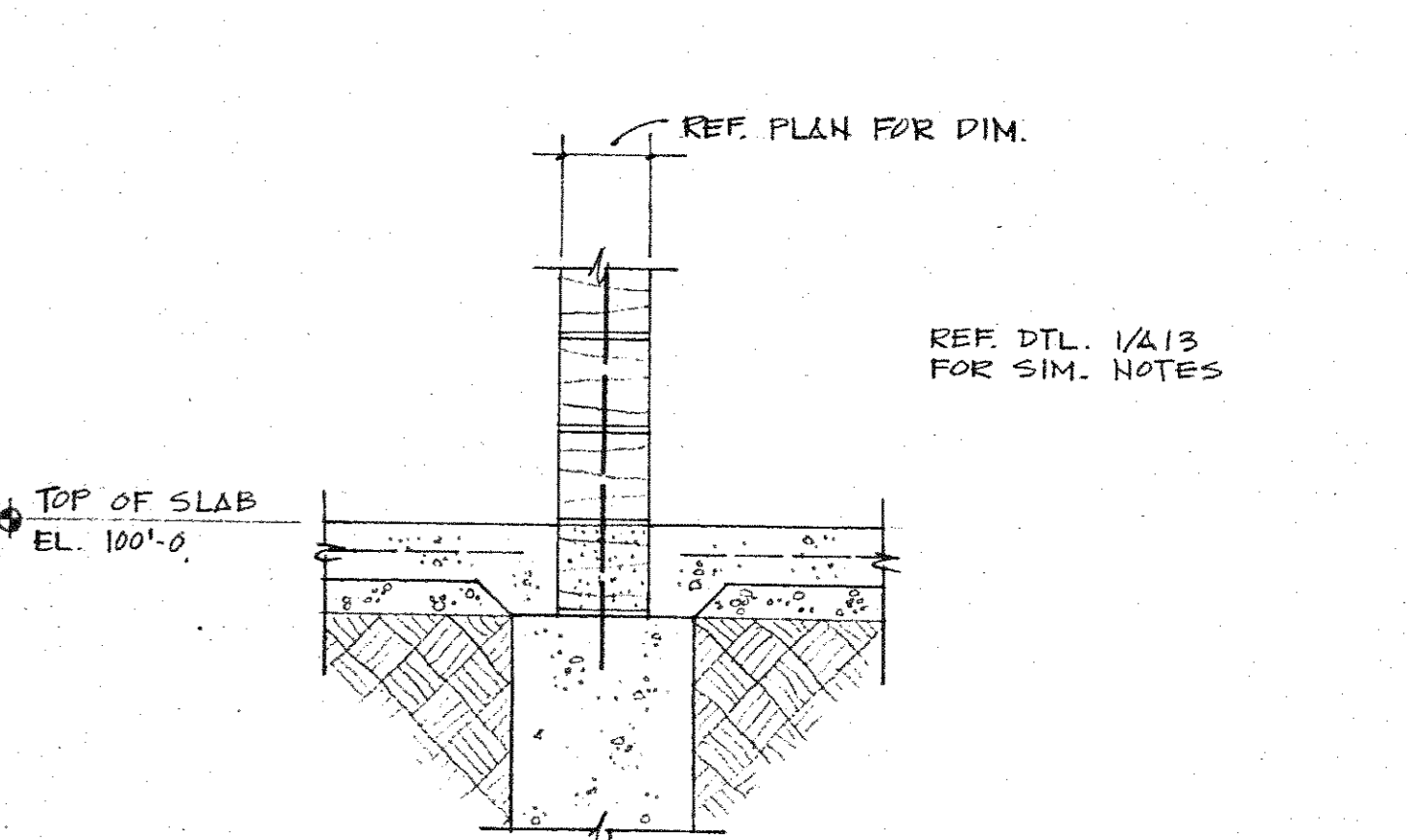
14 FLOOR TRENCH DETAIL  
A13 1 1/2" = 1'-0"



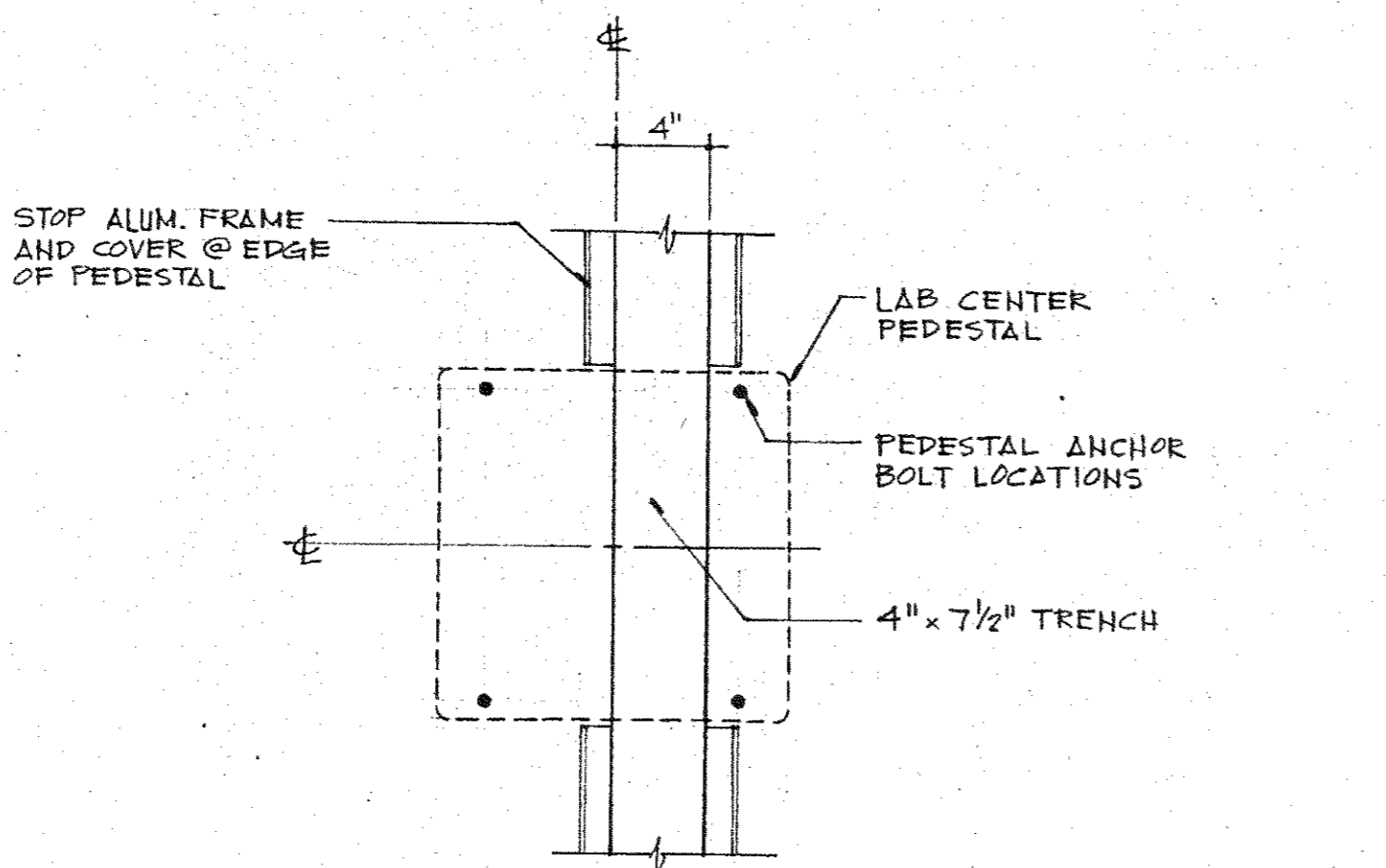
10 DETAIL  
A13 3/4" = 1'-0"



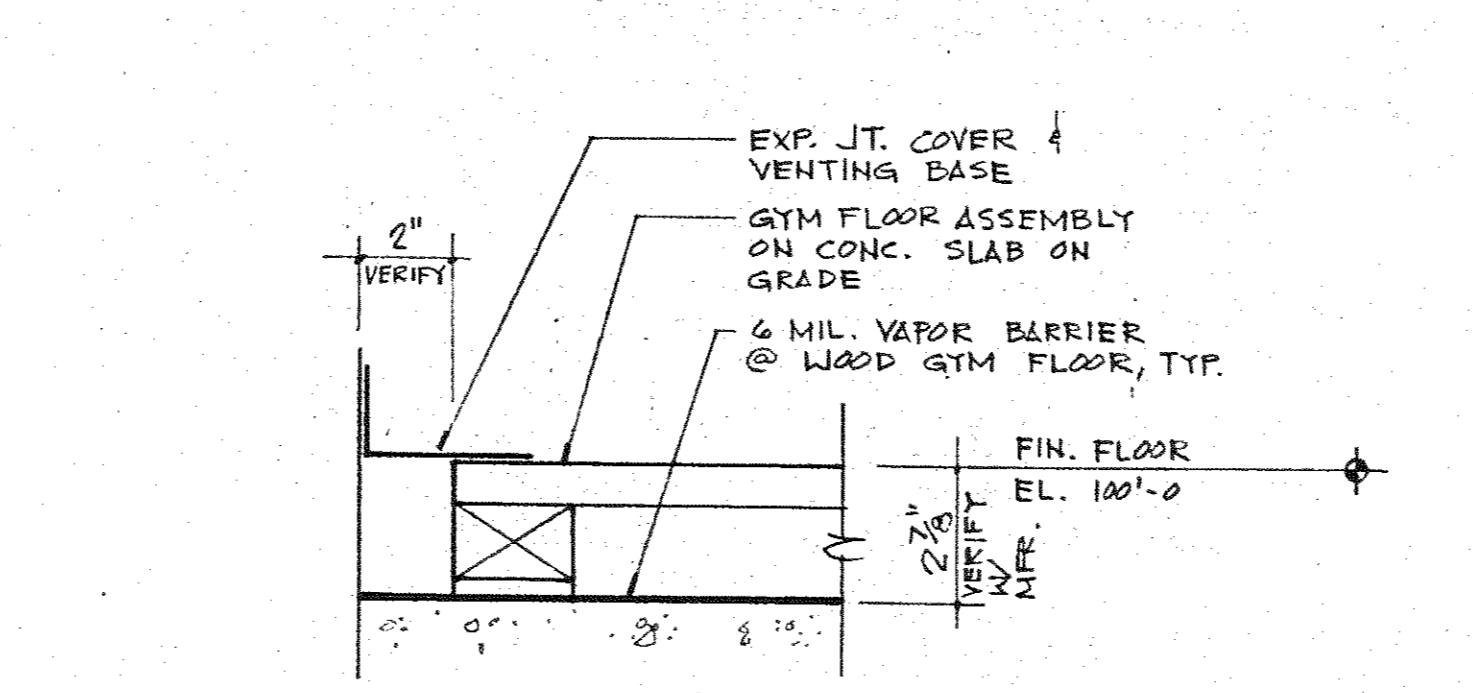
6 DETAIL  
A13 3/4" = 1'-0"



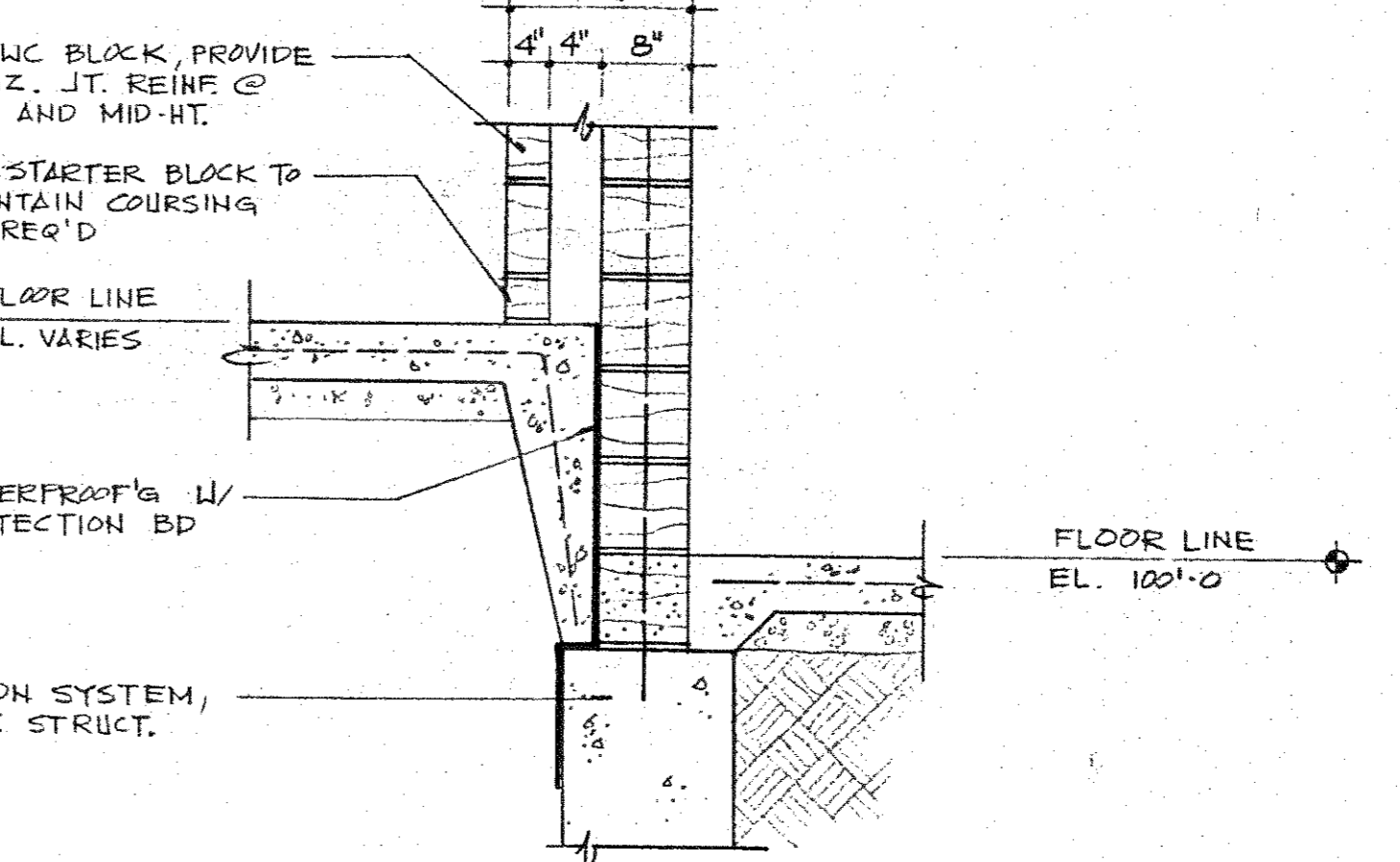
2 DETAIL  
A13 3/4" = 1'-0"



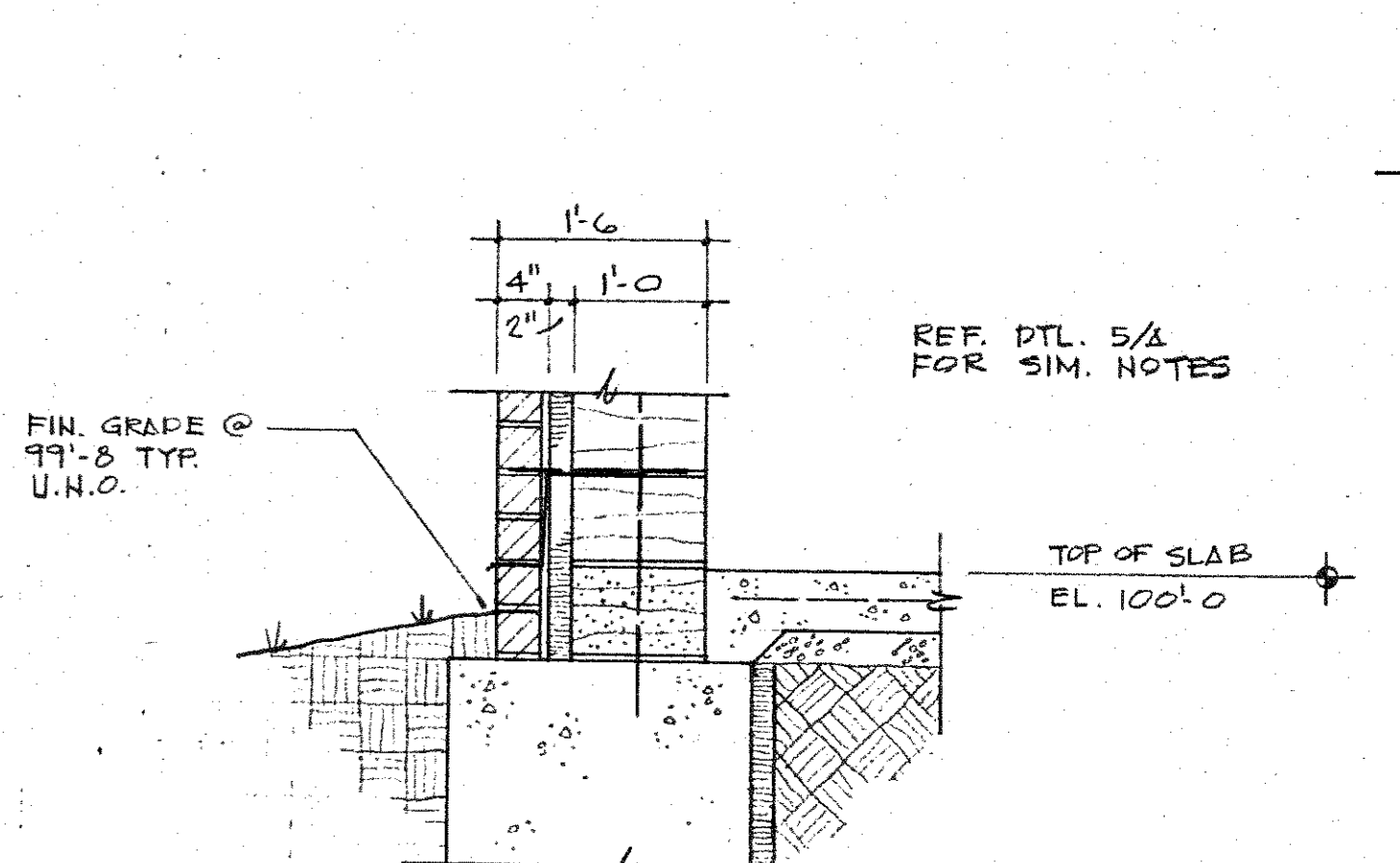
15 DETAIL AT FRONT PEDESTAL  
A13 1 1/2" = 1'-0"



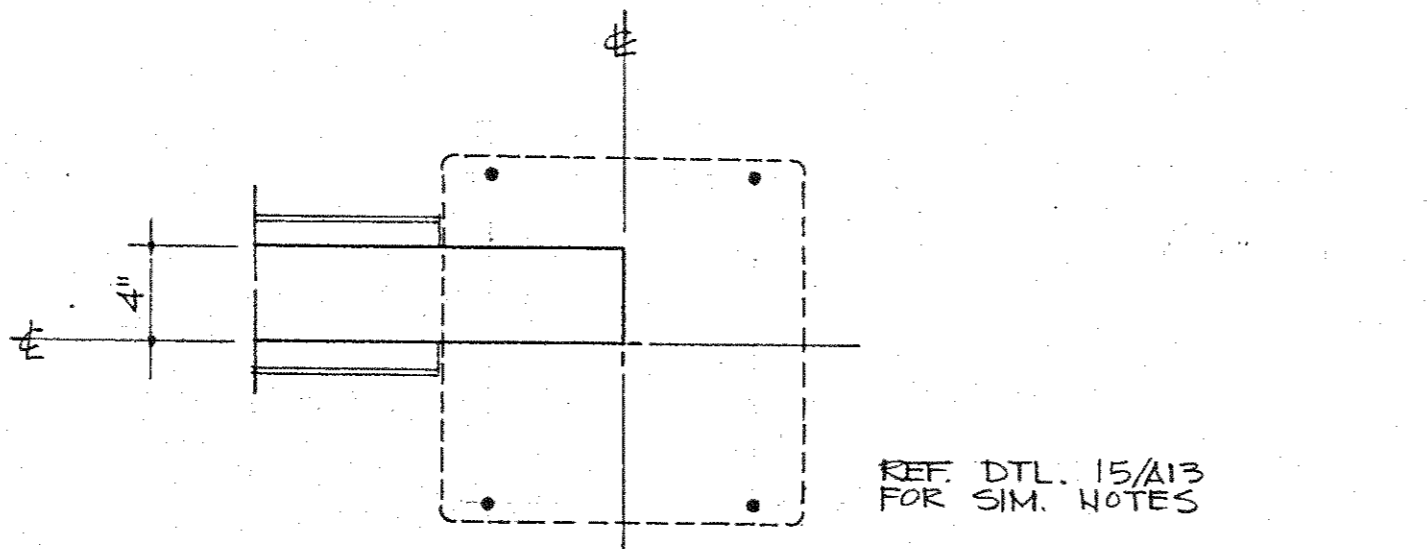
11 DETAIL  
A13 3" = 1'-0"



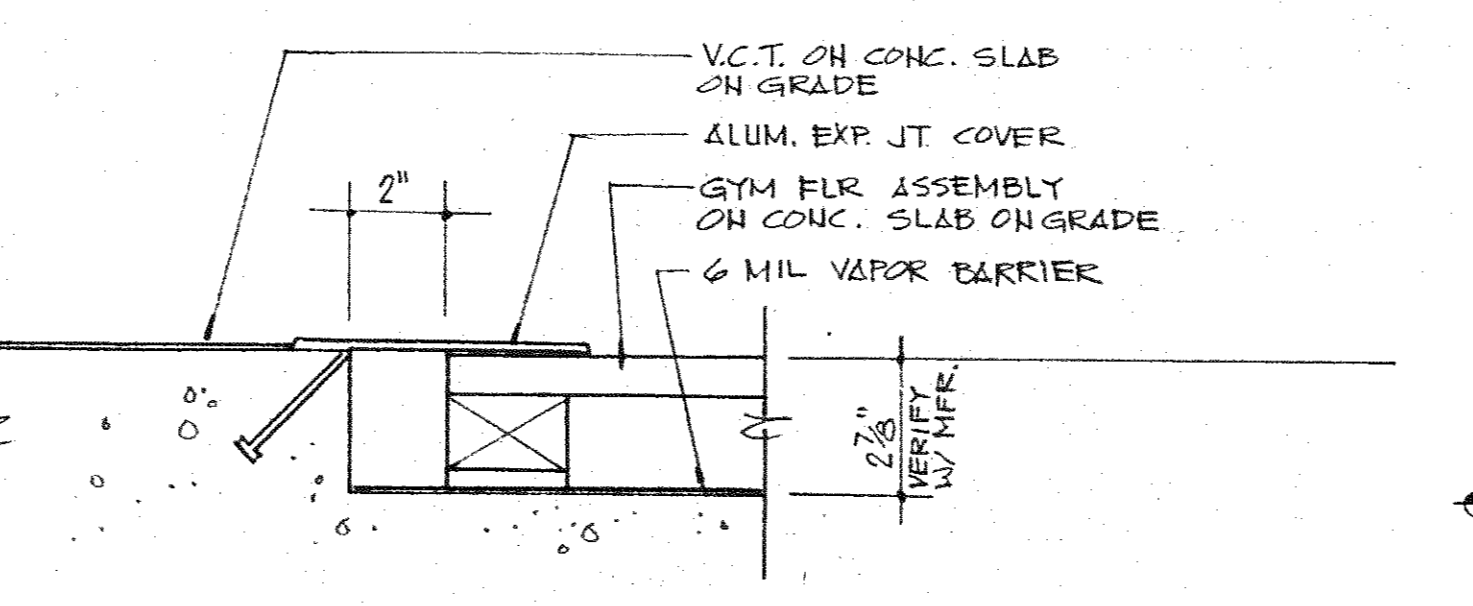
7 DETAIL  
A13 3/4" = 1'-0"



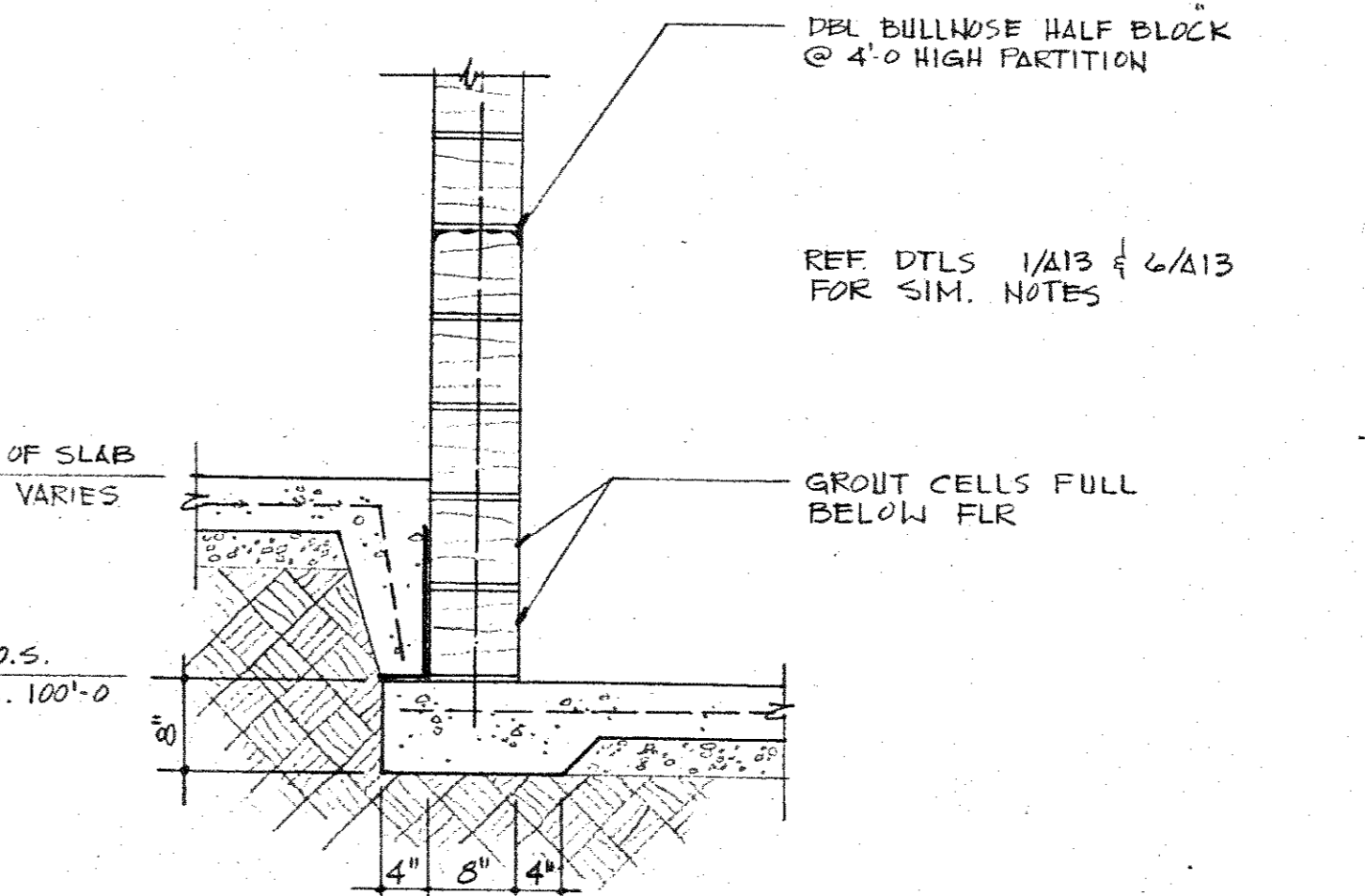
3 DETAIL  
A13 3/4" = 1'-0"



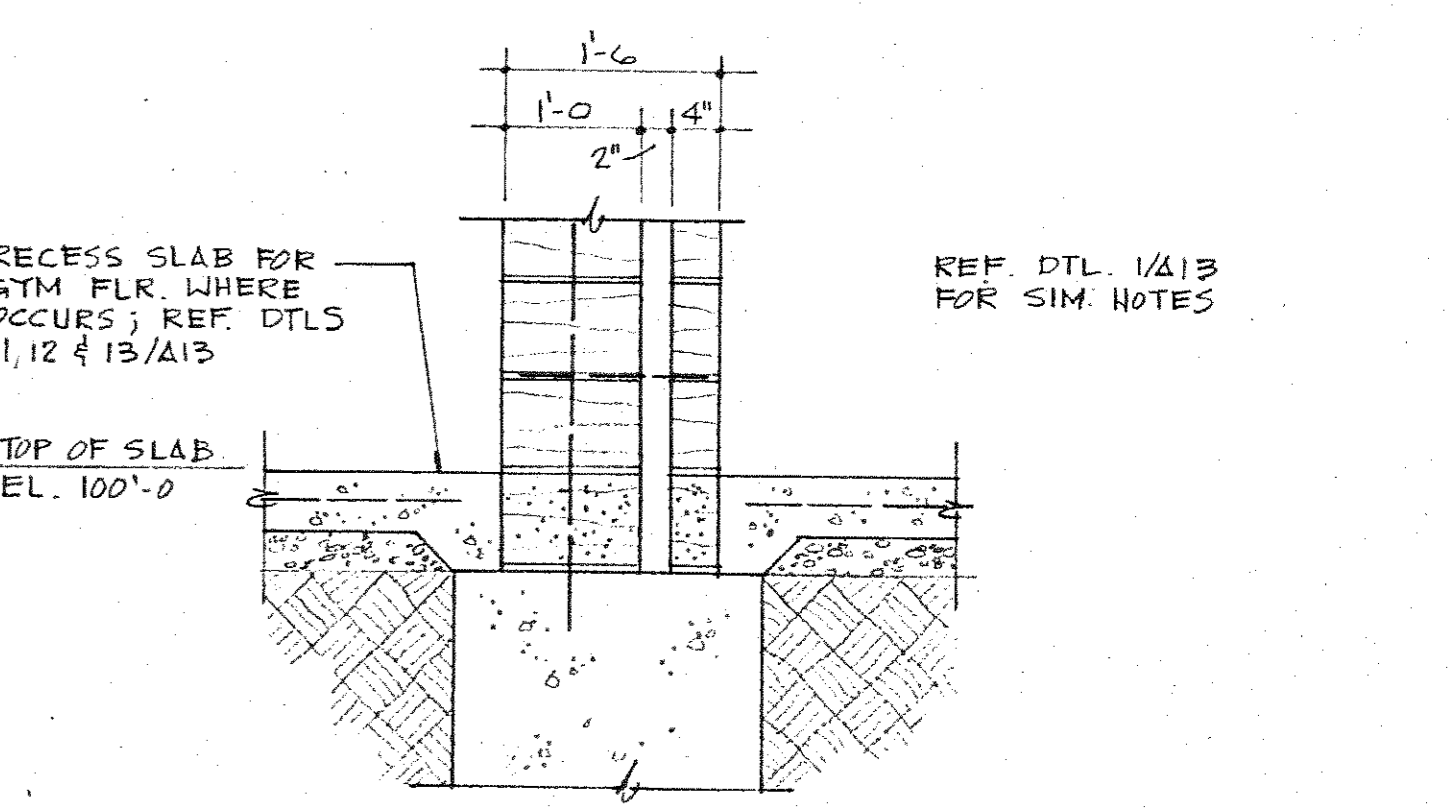
16 DETAIL AT SIDE PEDESTAL  
A13 1 1/2" = 1'-0"



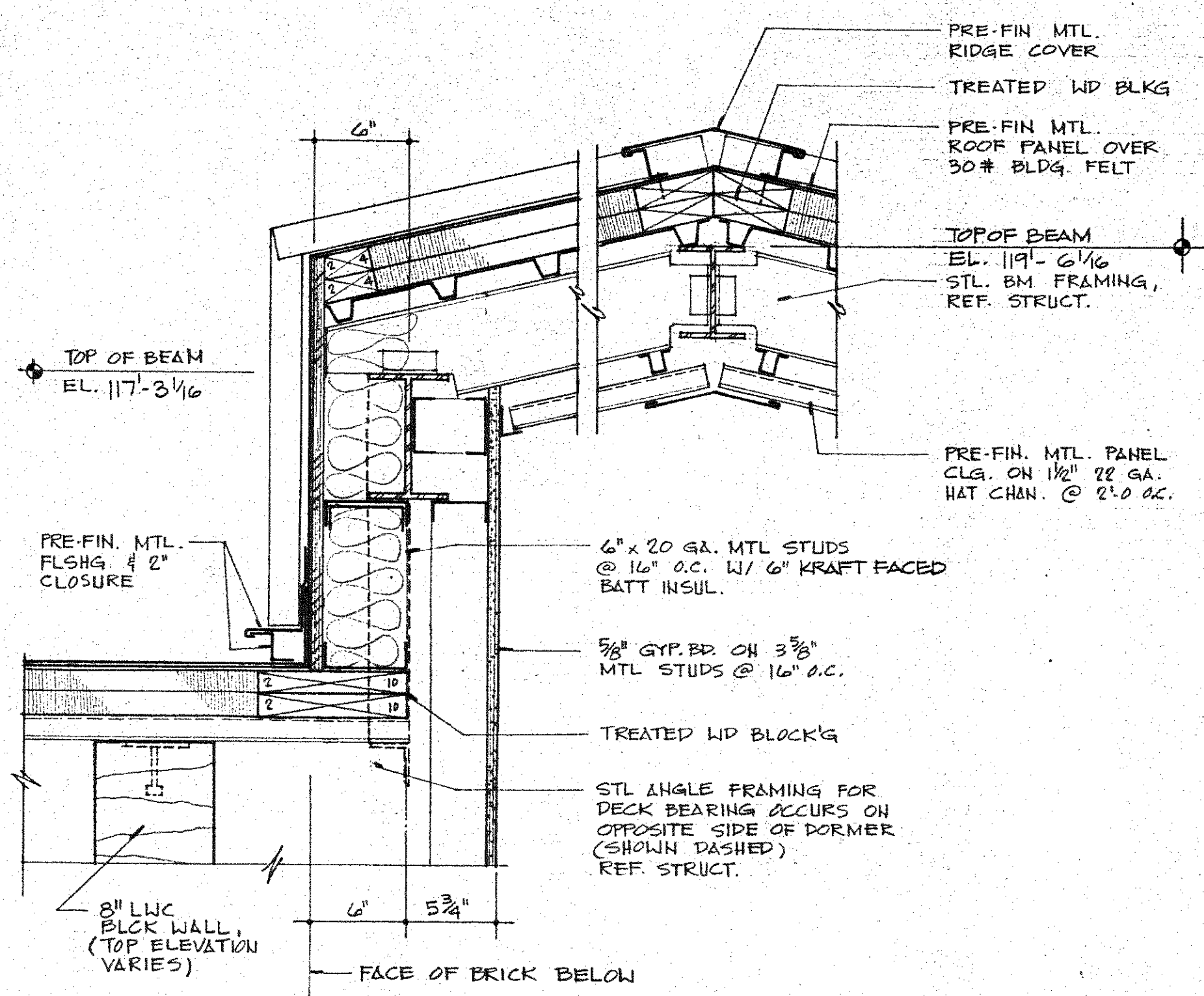
12 DETAIL  
A13 3" = 1'-0"



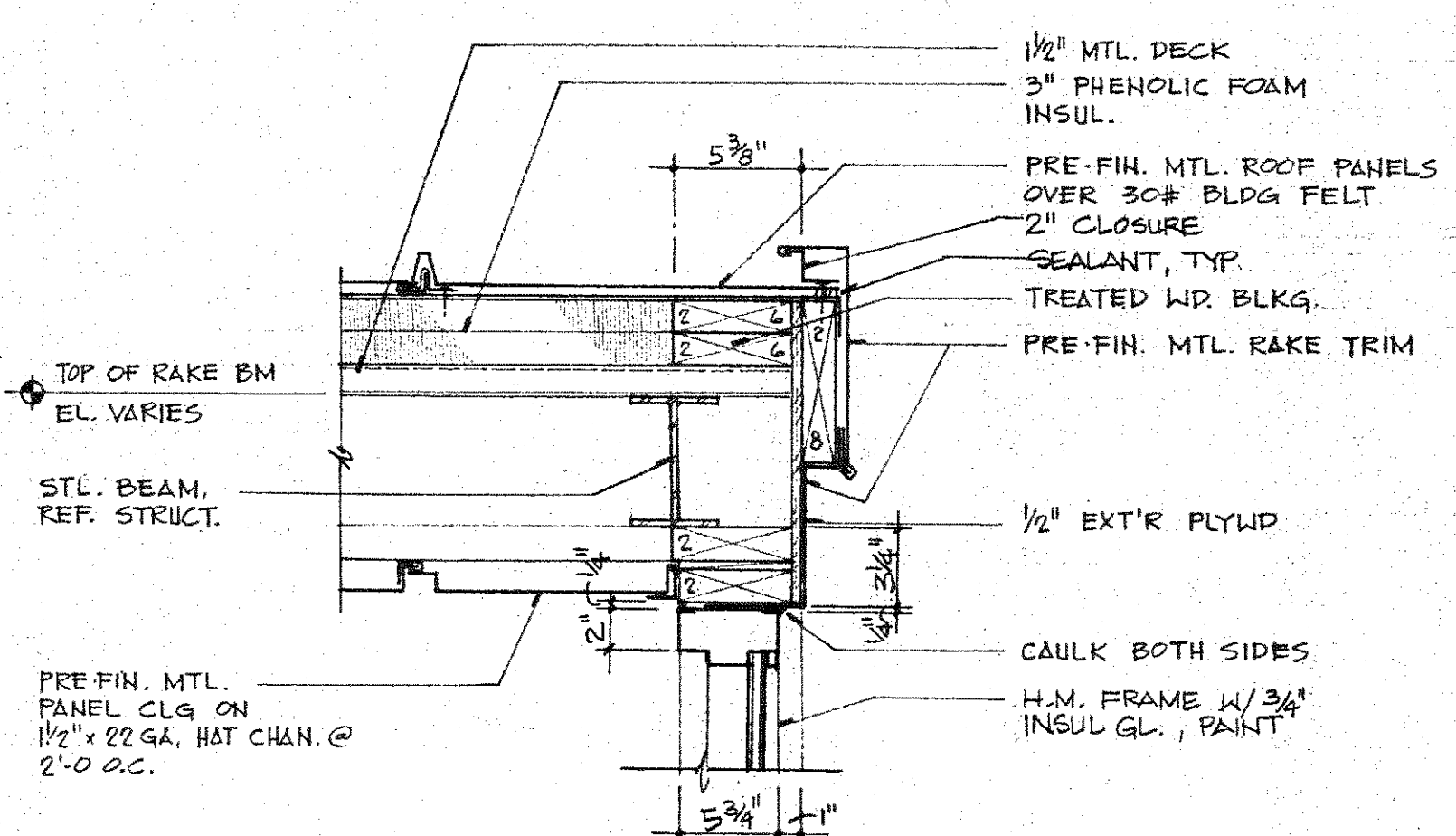
8 DETAIL  
A13 3/4" = 1'-0"



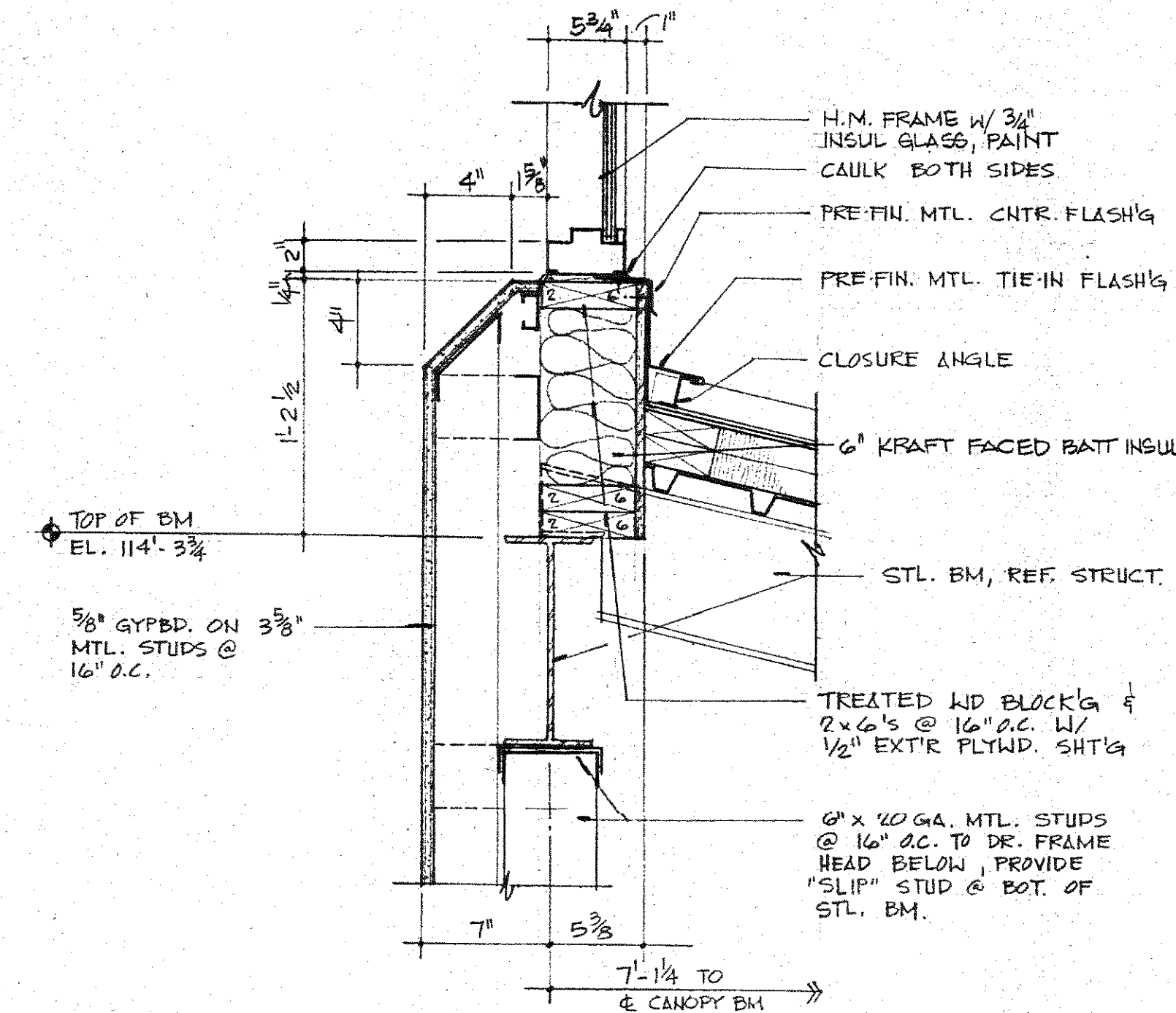
4 DETAIL  
A13 3/4" = 1'-0"



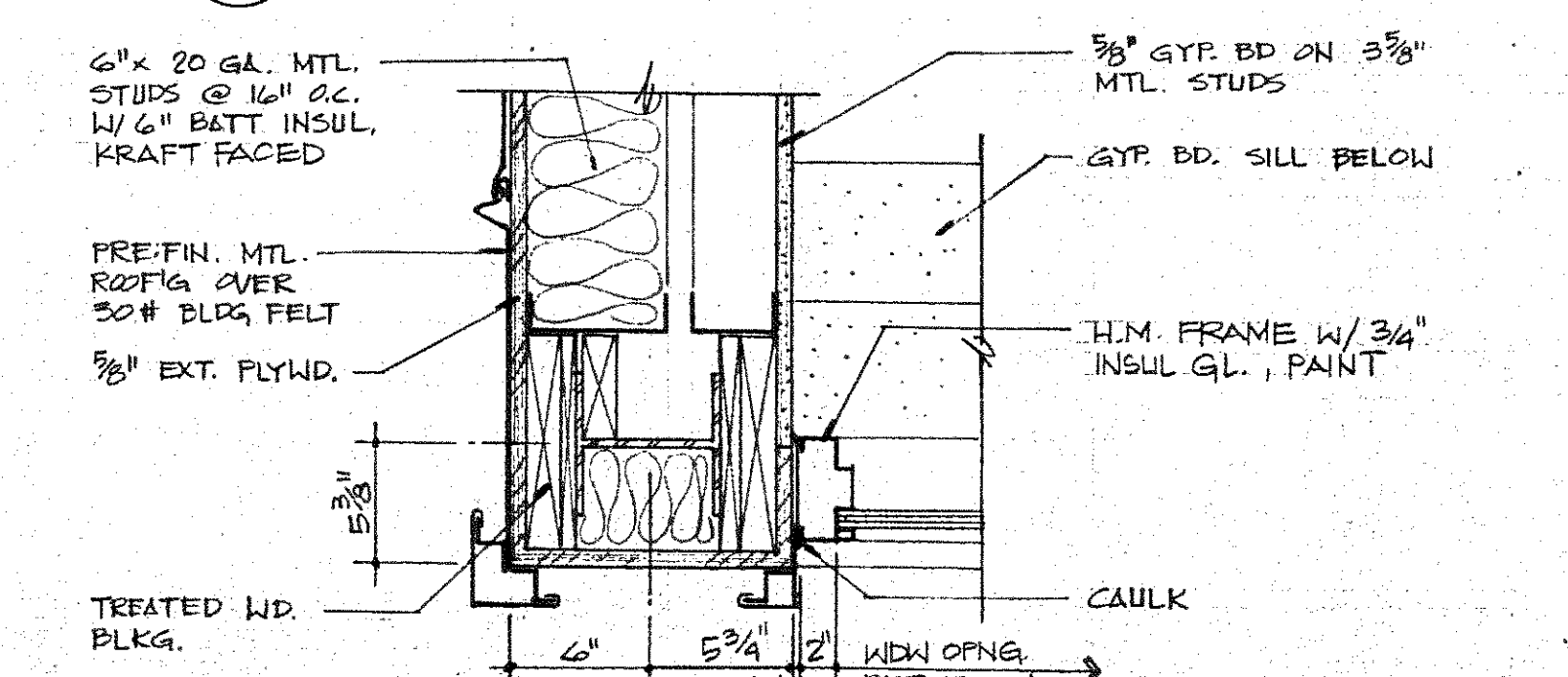
3 DETAIL - EAVE & RIDGE AT DORMER  
1 1/2" = 1'-0"



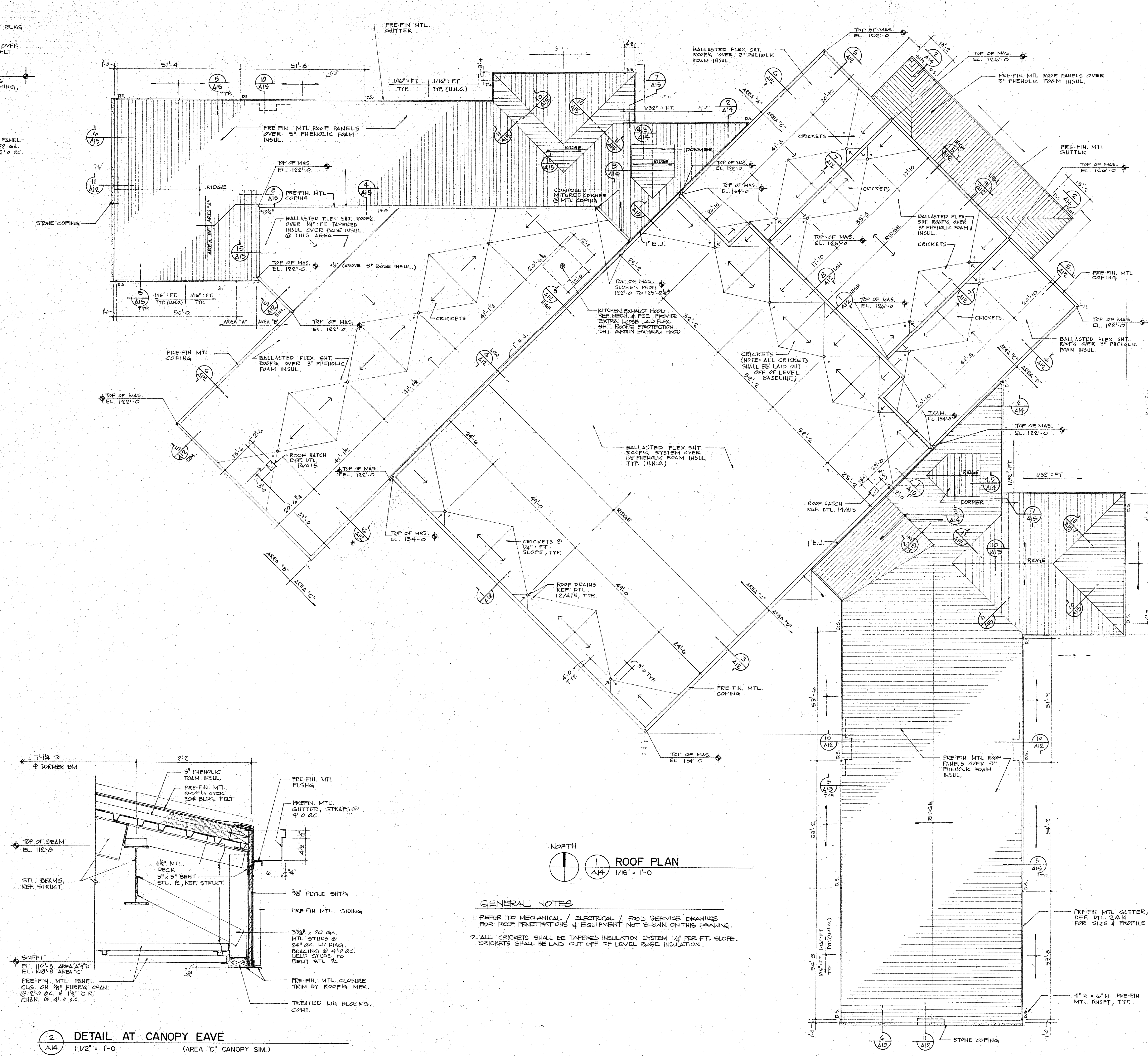
4 DETAIL AT DORMER RAKE  
1 1/2" = 1'-0"



5 DTL. AT DORMER SILL / CANOPY ROOF  
1 1/2" = 1'-0"

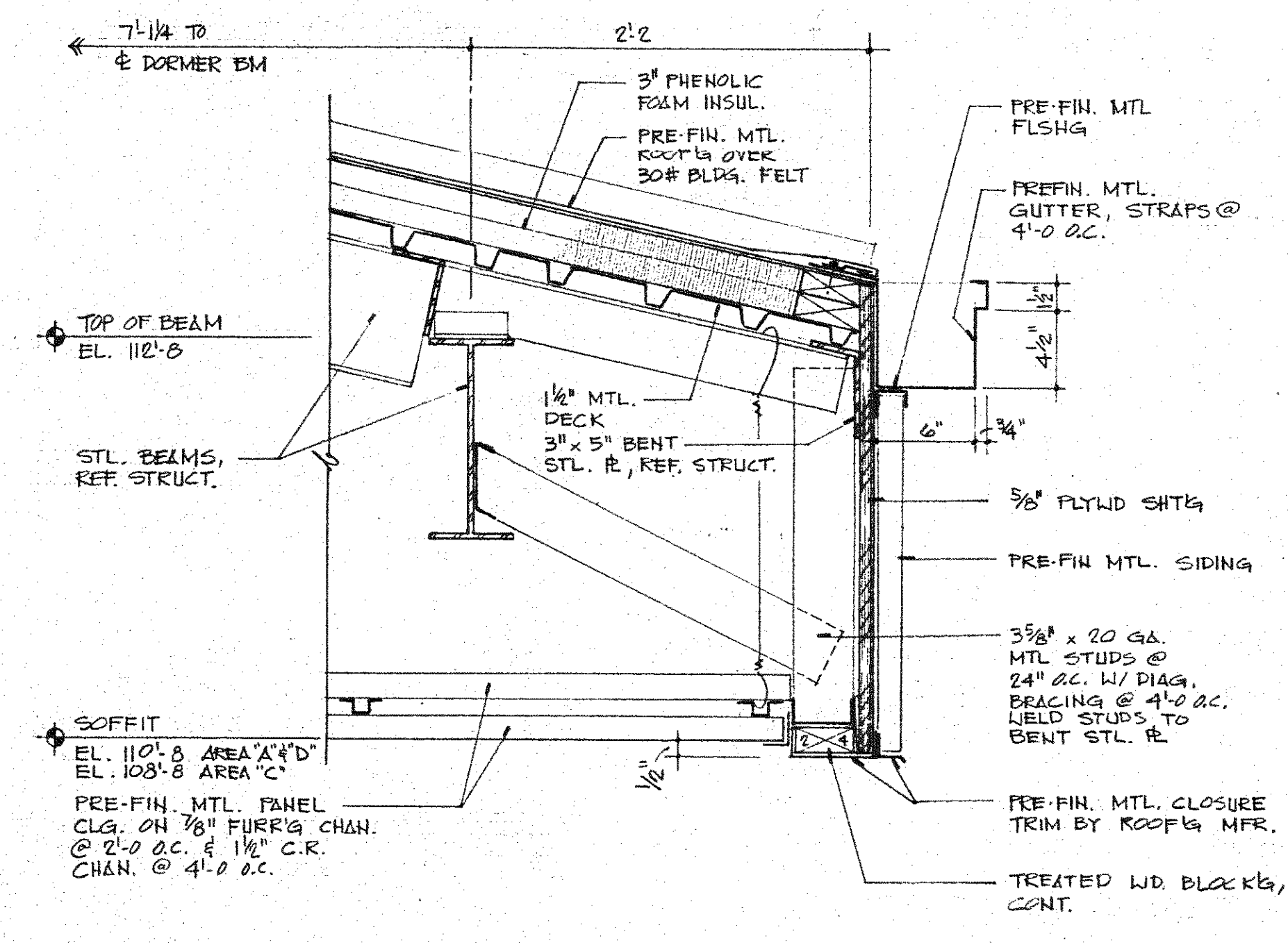


6 DETAIL AT DORMER CORNER  
1 1/2" = 1'-0"

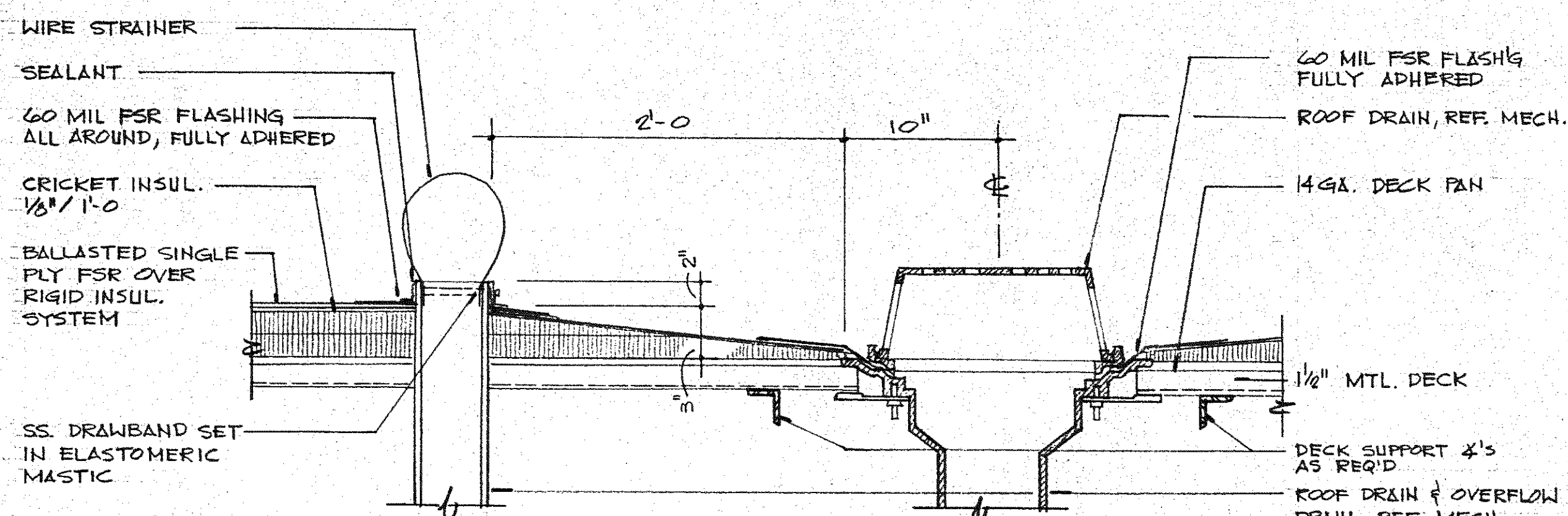


1 ROOF PLAN  
1/16" = 1'-0"

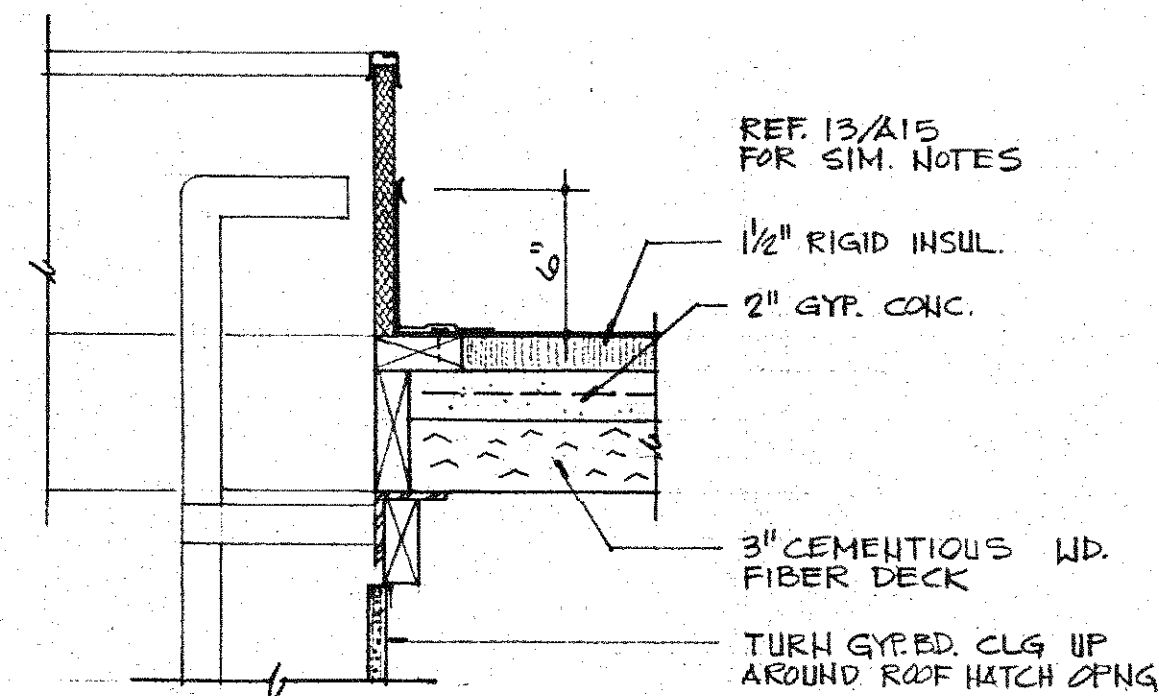
**GENERAL NOTES**  
 1. REFER TO MECHANICAL / ELECTRICAL / FOOD SERVICE DRAWINGS FOR ROOF PENETRATIONS & EQUIPMENT NOT SHOWN ON THIS DRAWING.  
 2. ALL CRICKETS SHALL BE TAPERED INSULATION SYSTEM 1/4" PER FT. SLOPE. CRICKETS SHALL BE LAID OUT OFF OF LEVEL BASE INSULATION.



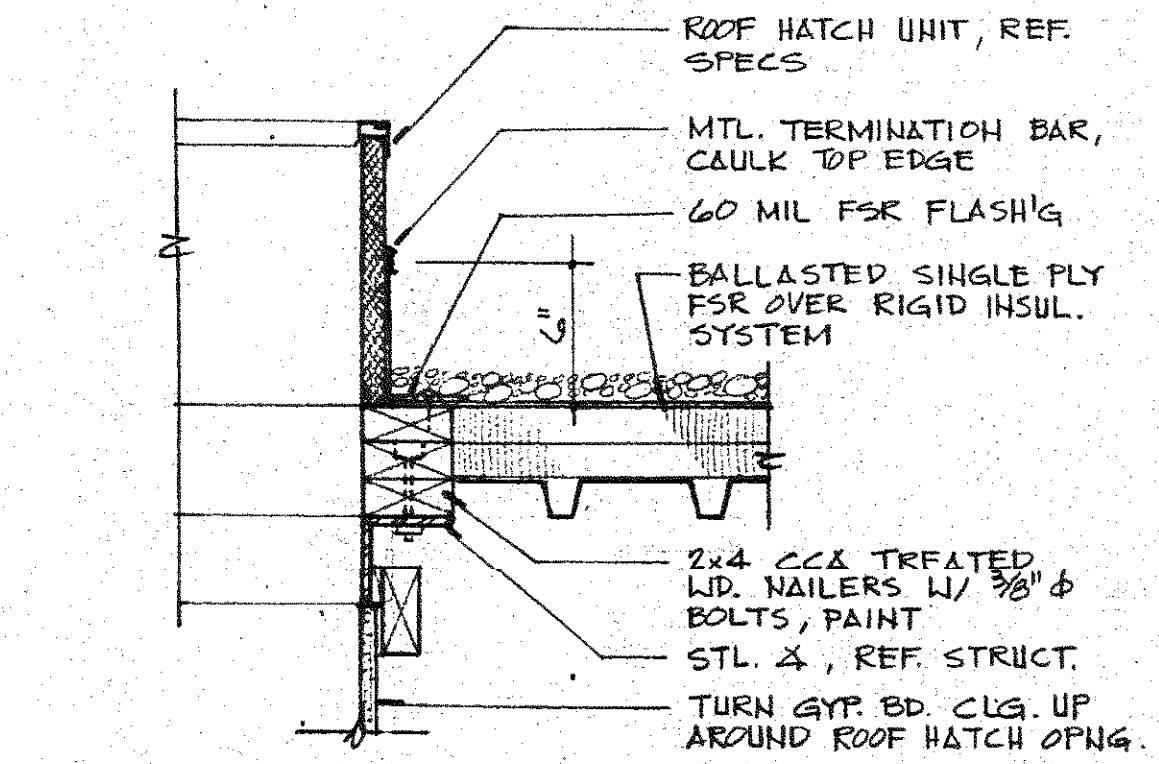
2 DETAIL AT CANOPY EAVE  
1 1/2" = 1'-0" (AREA 'C' CANOPY SIM.)



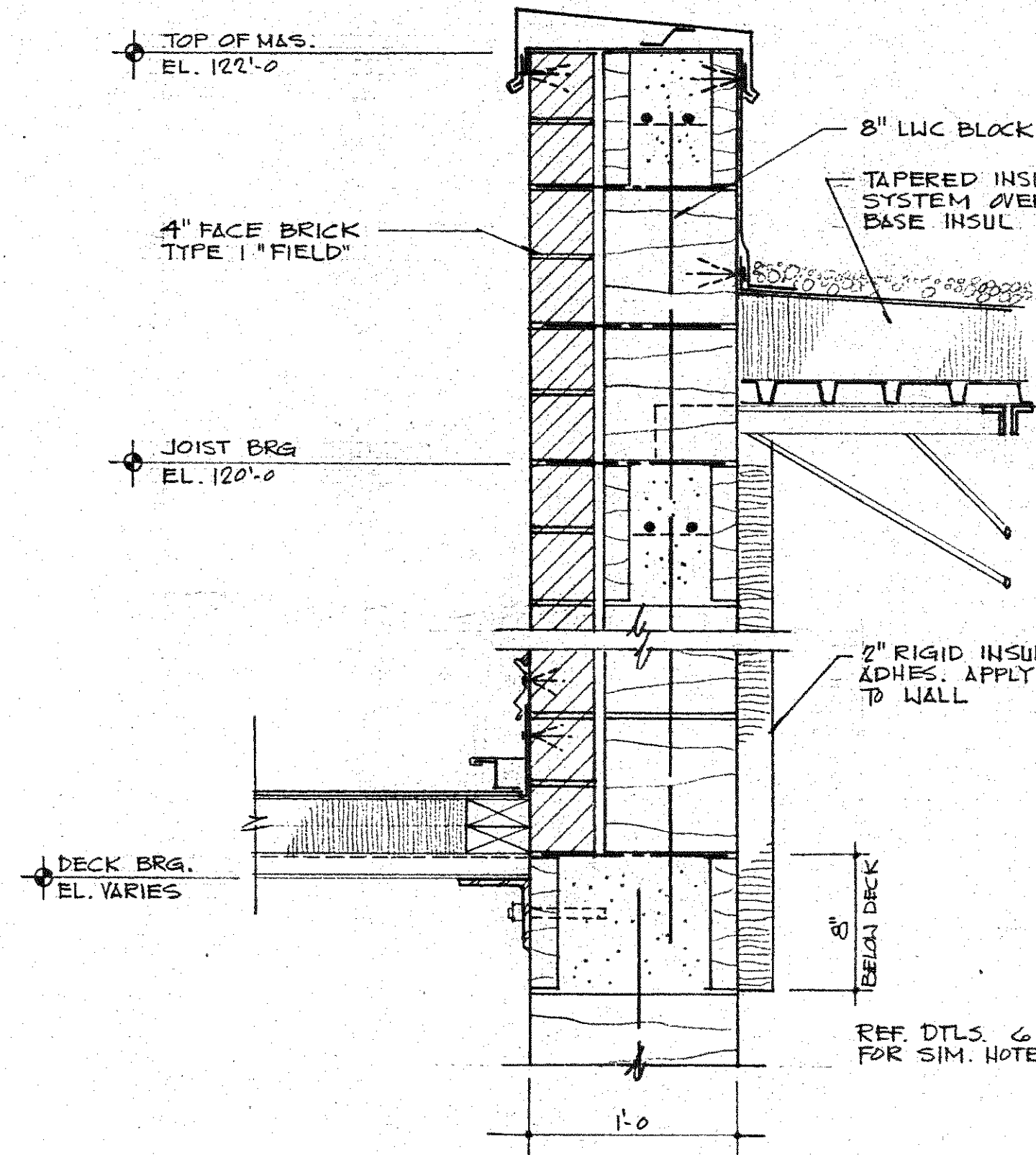
12 ROOF DRAIN & OVERFLOW DRAIN  
1 1/2" = 1'-0"



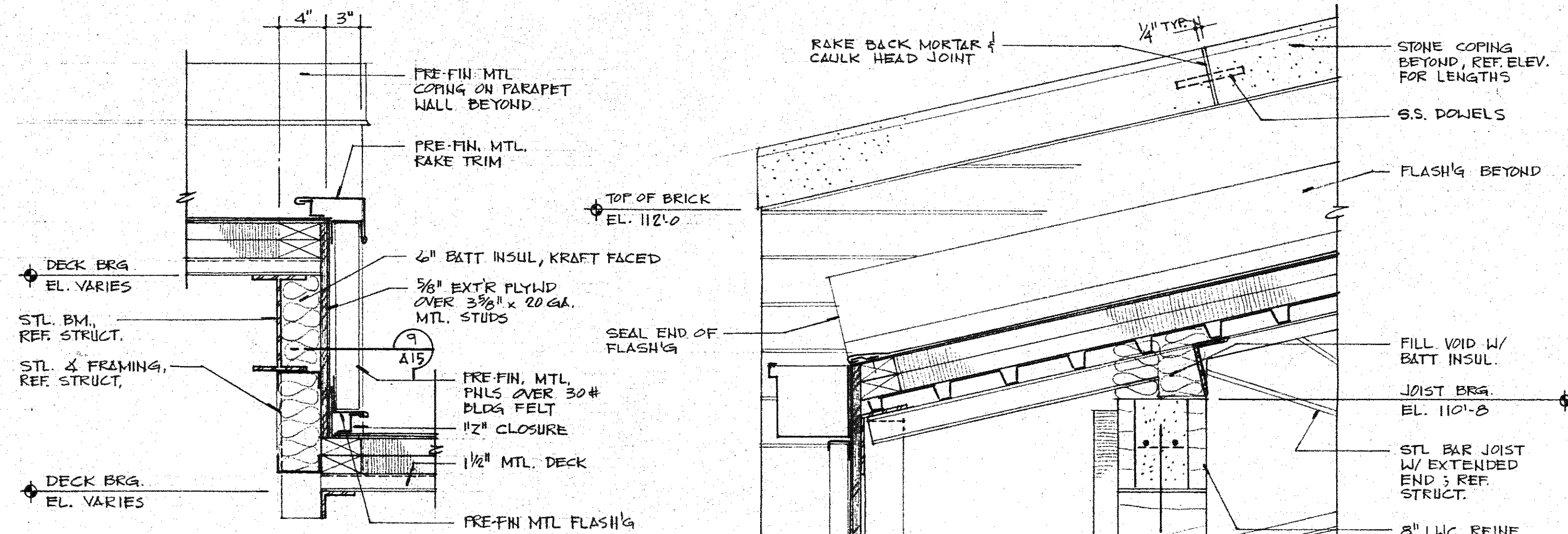
14 ROOF HATCH  
1 1/2" = 1'-0"



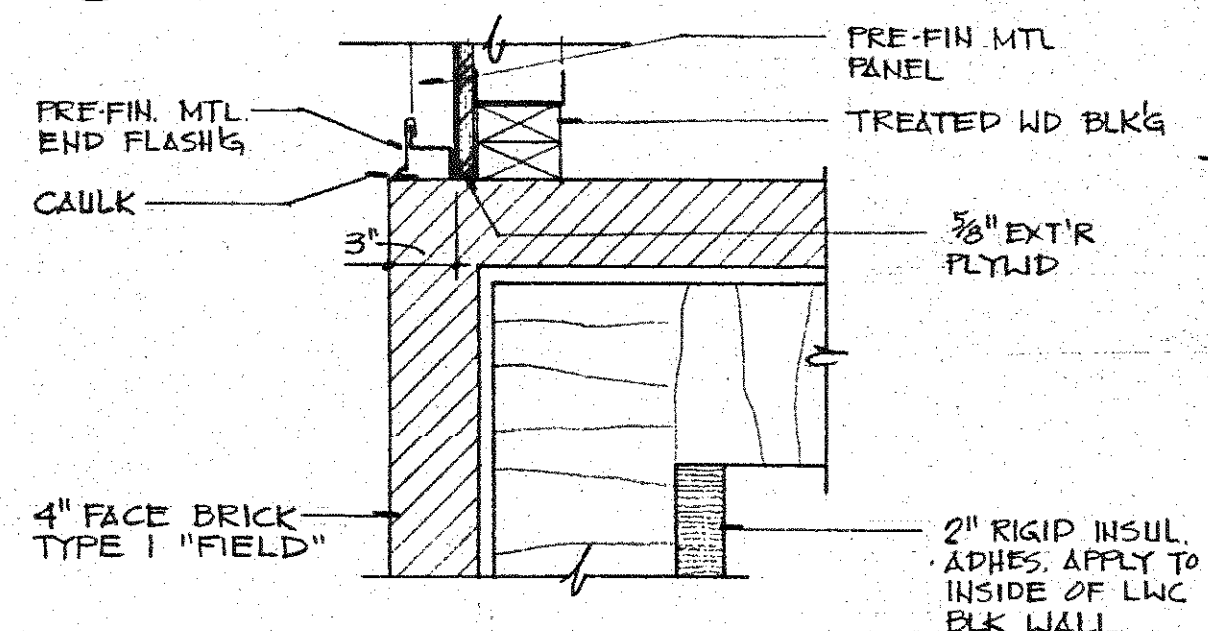
13 ROOF HATCH  
1 1/2" = 1'-0"



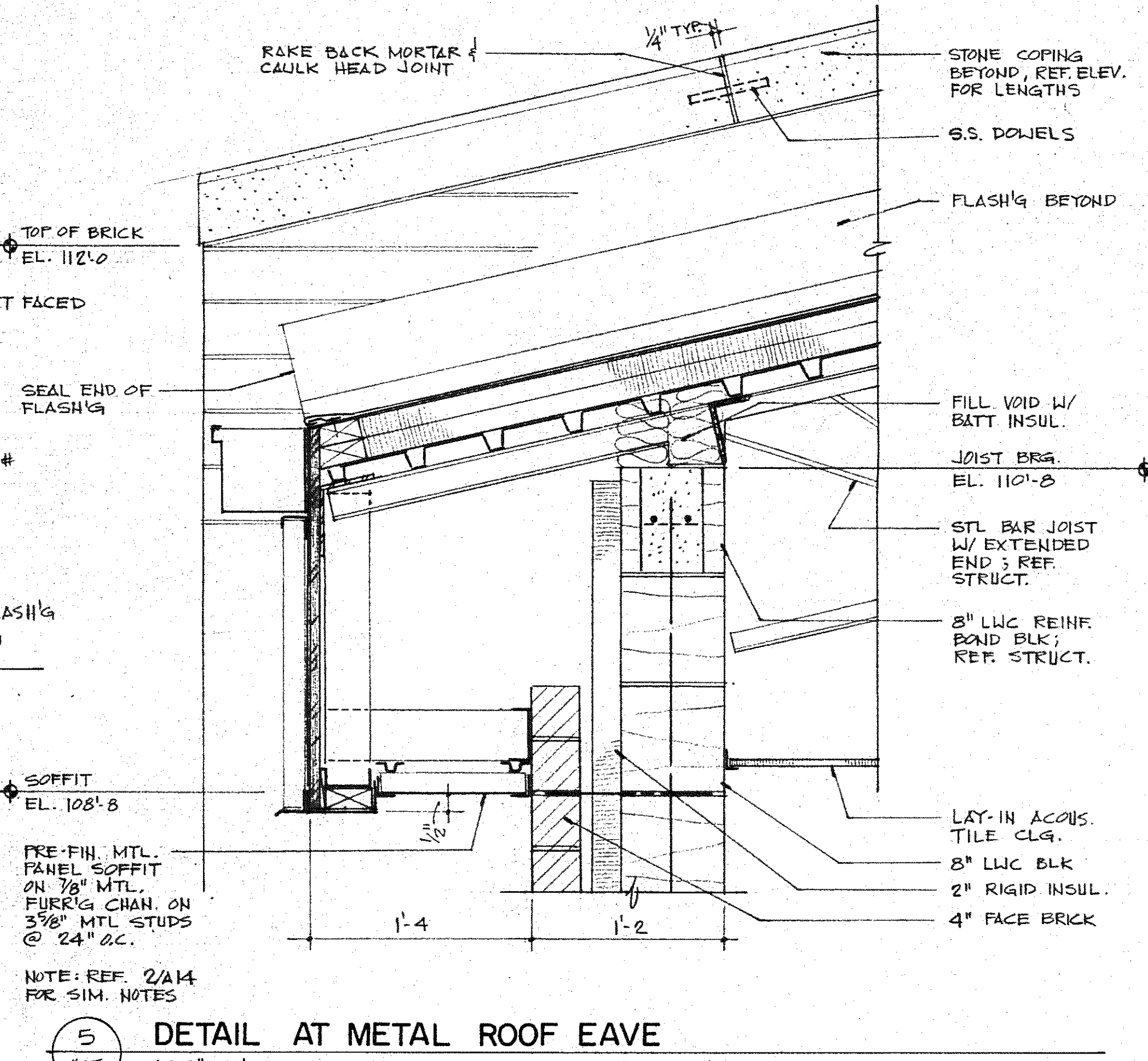
15 DTL - AREA "A" ROOF TO AREA "B" W. WALL  
1 1/2" = 1'-0"



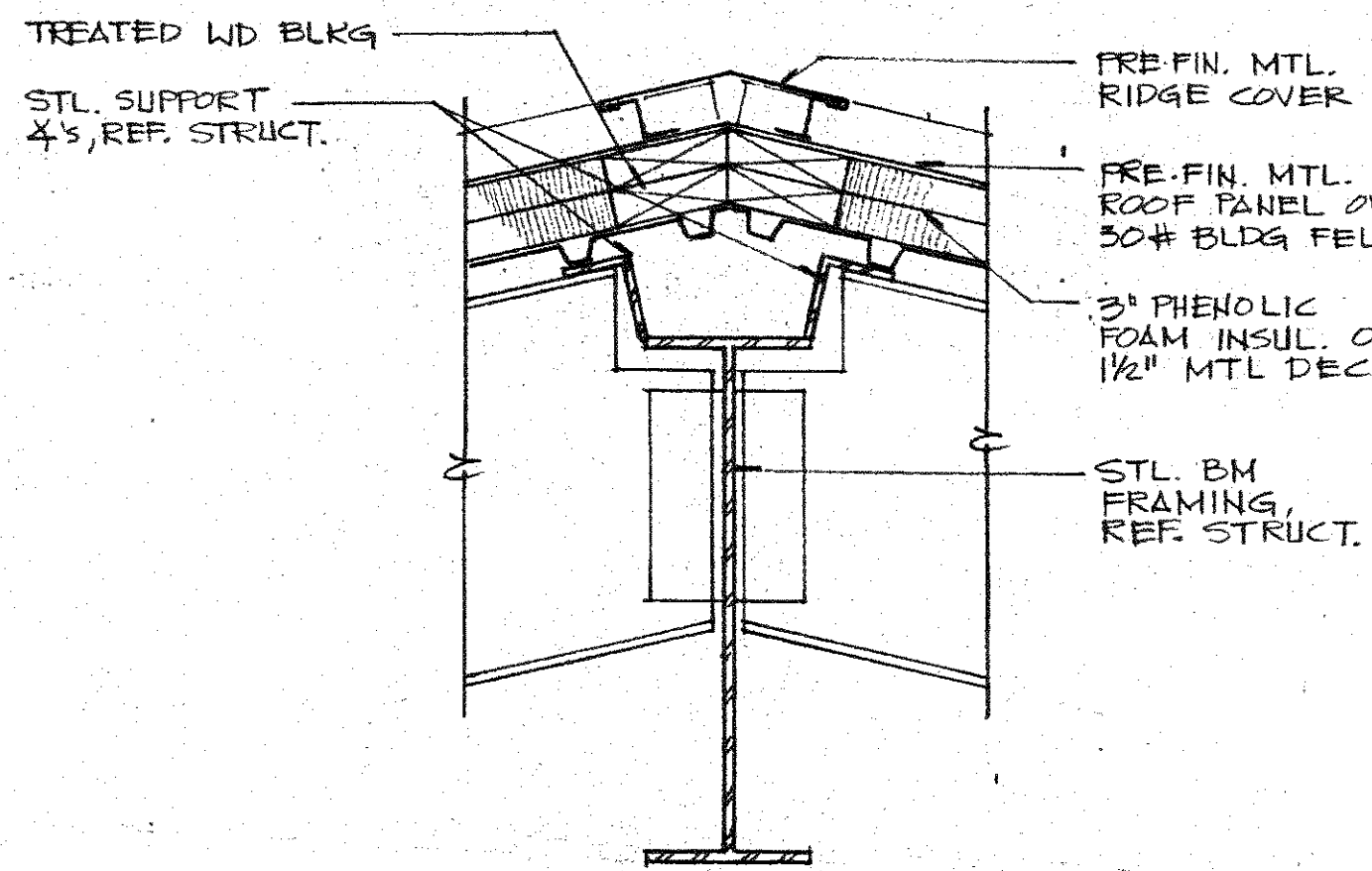
8 DTL - MTL ROOF/SIDE WALL - AREA "A"  
1 1/2" = 1'-0"



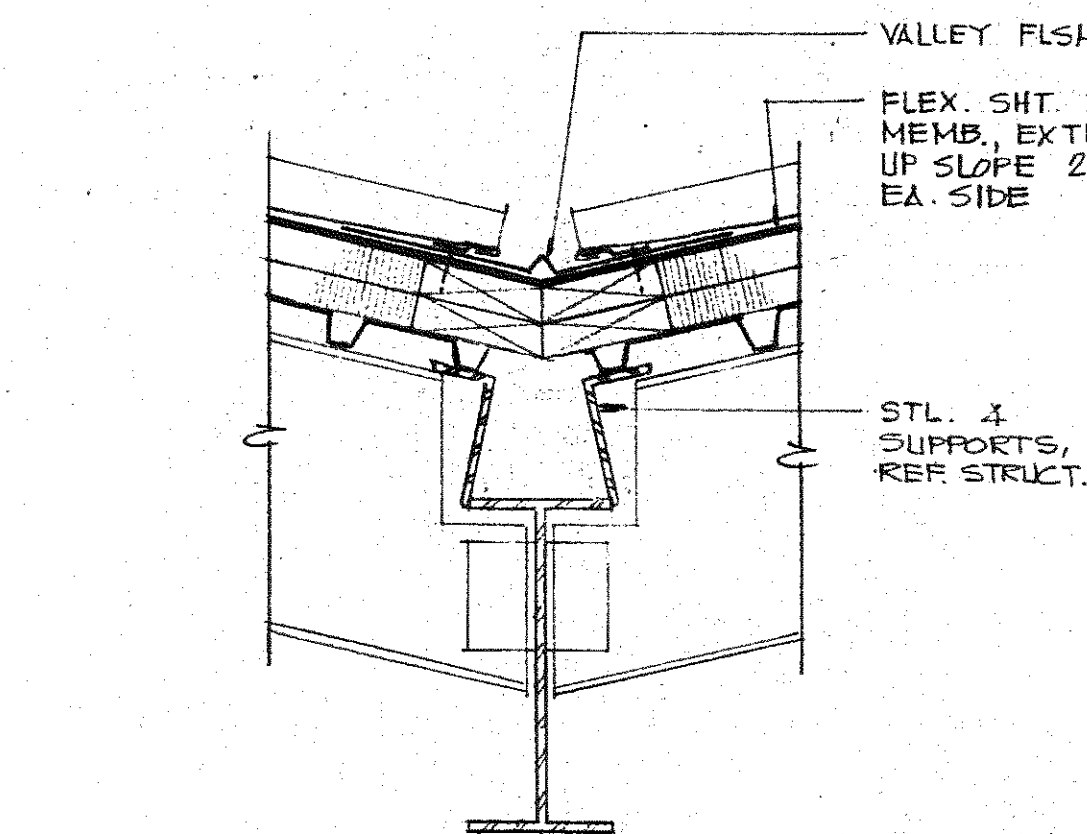
9 DTL - FASCIA TO END WALL  
1 1/2" = 1'-0"



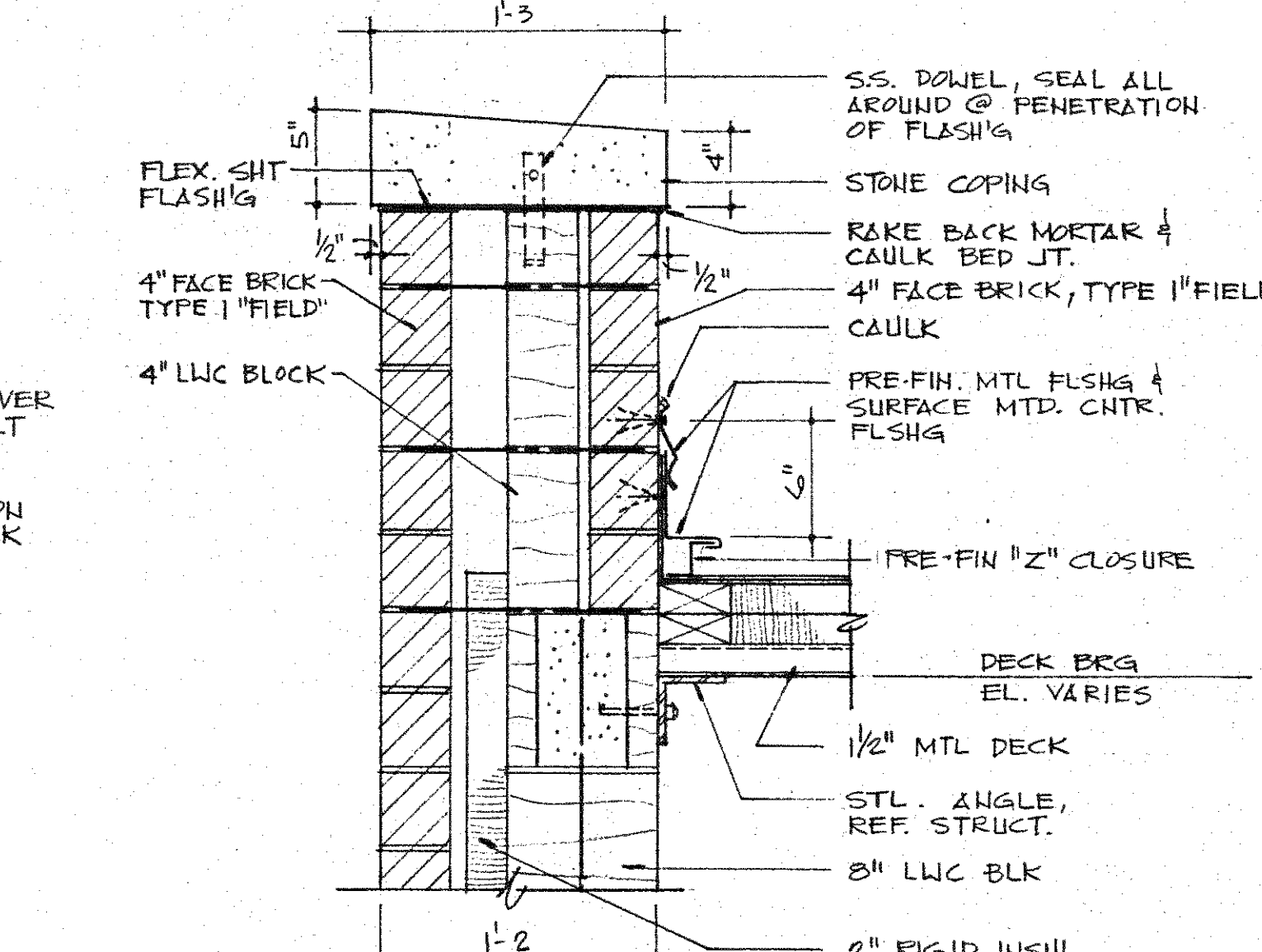
5 DETAIL AT METAL ROOF EAVE  
1 1/2" = 1'-0"



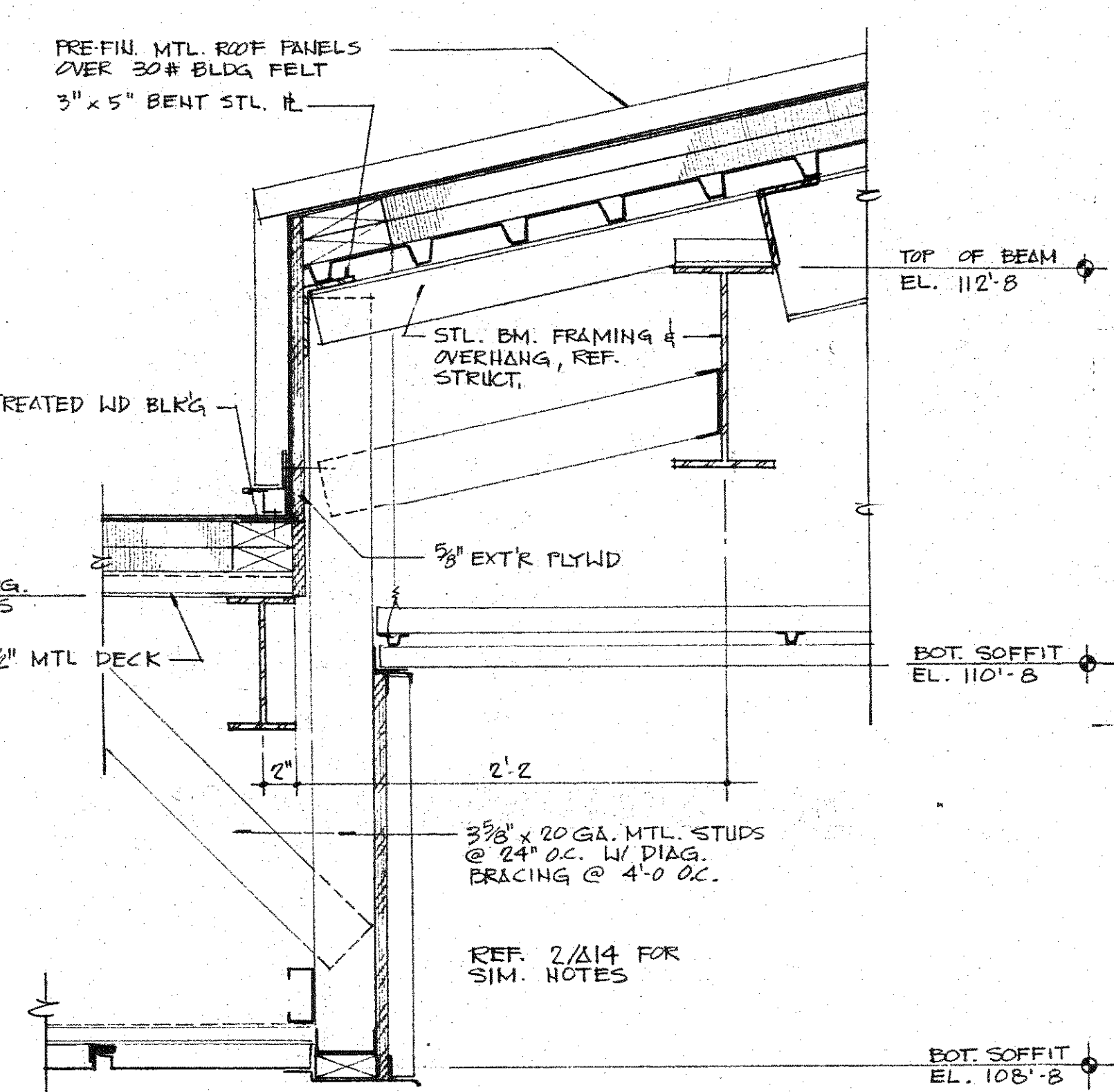
10 DTL - RIDGE/HIP AT MTL ROOF  
1 1/2" = 1'-0"



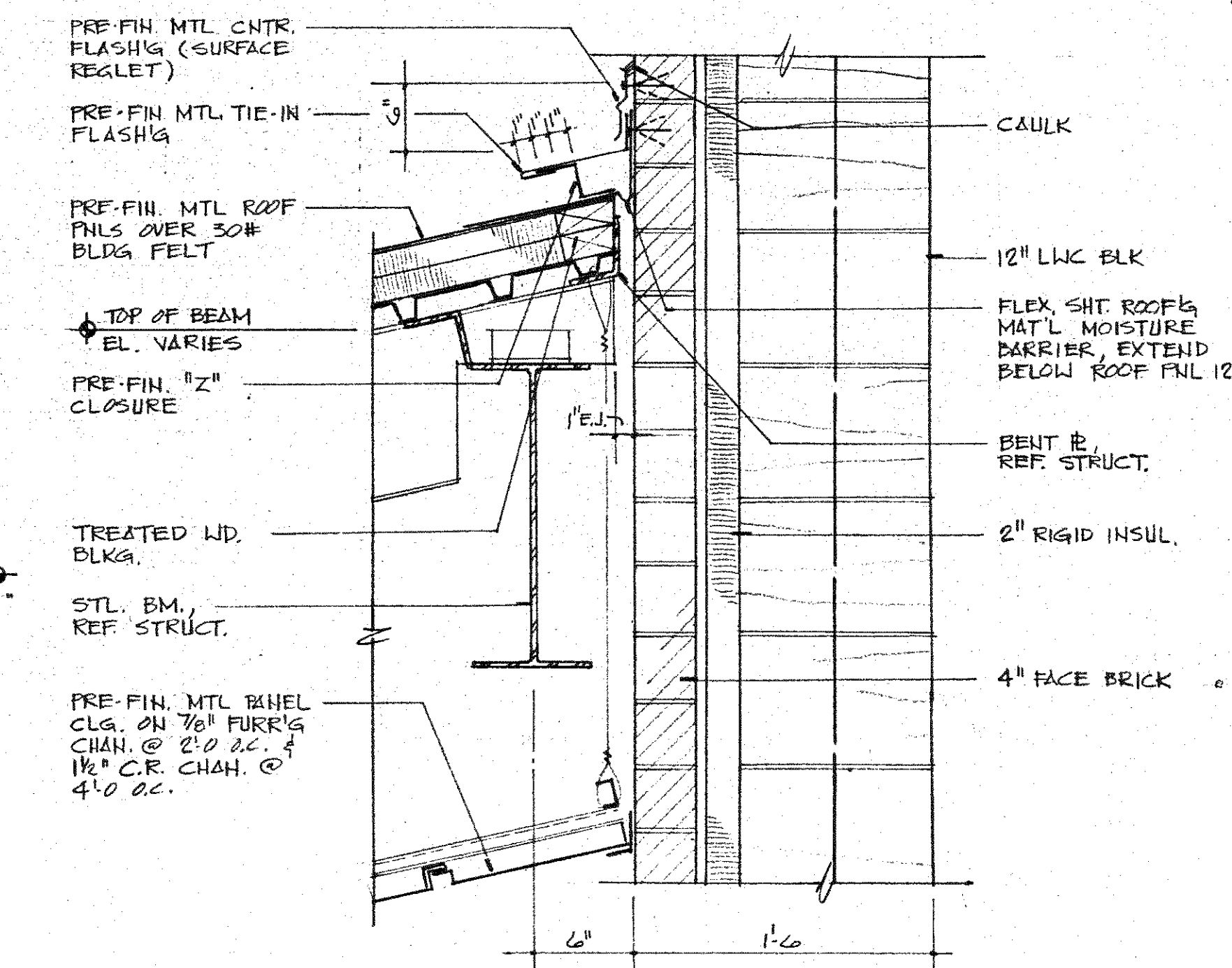
11 DTL - VALLEY AT MTL ROOF  
1 1/2" = 1'-0"



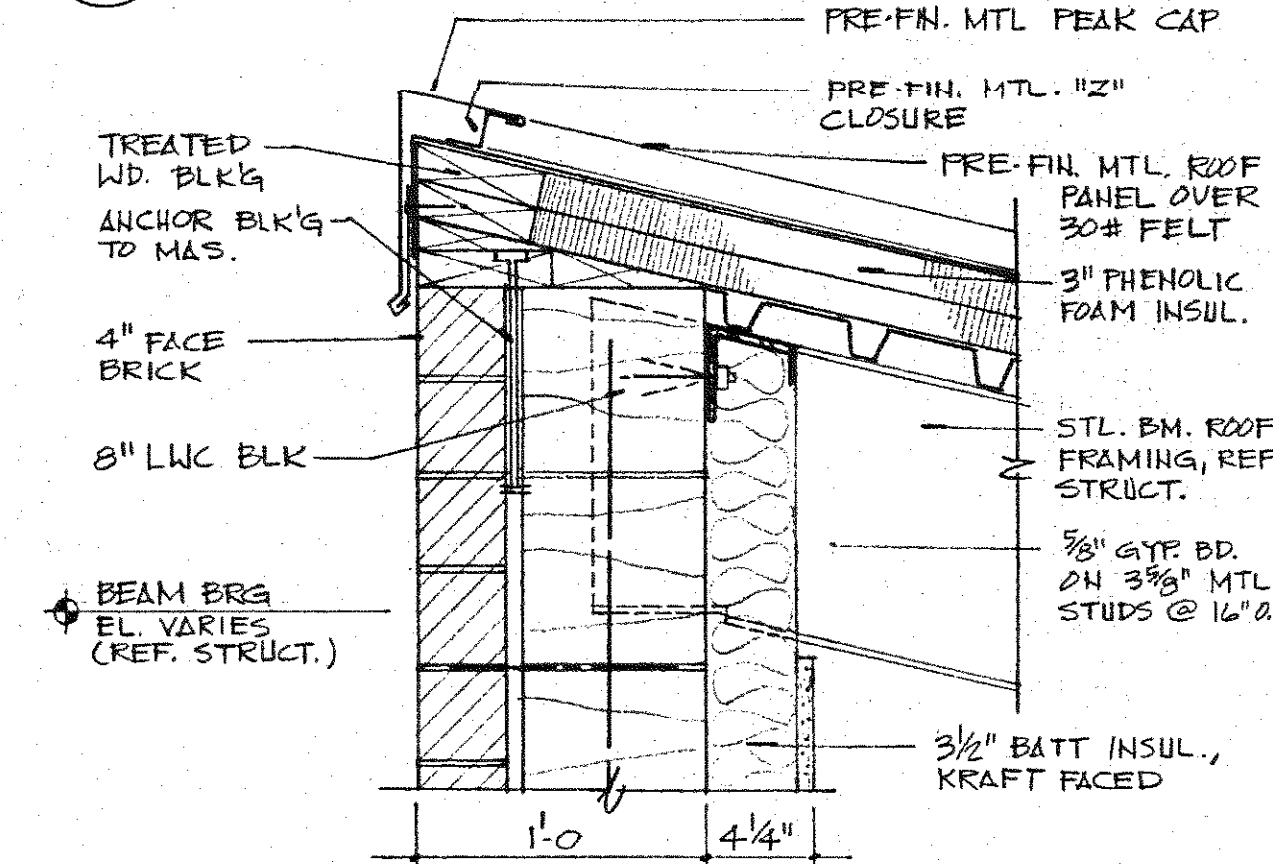
6 DTL - MTL ROOF RAKE/WALL  
1 1/2" = 1'-0"



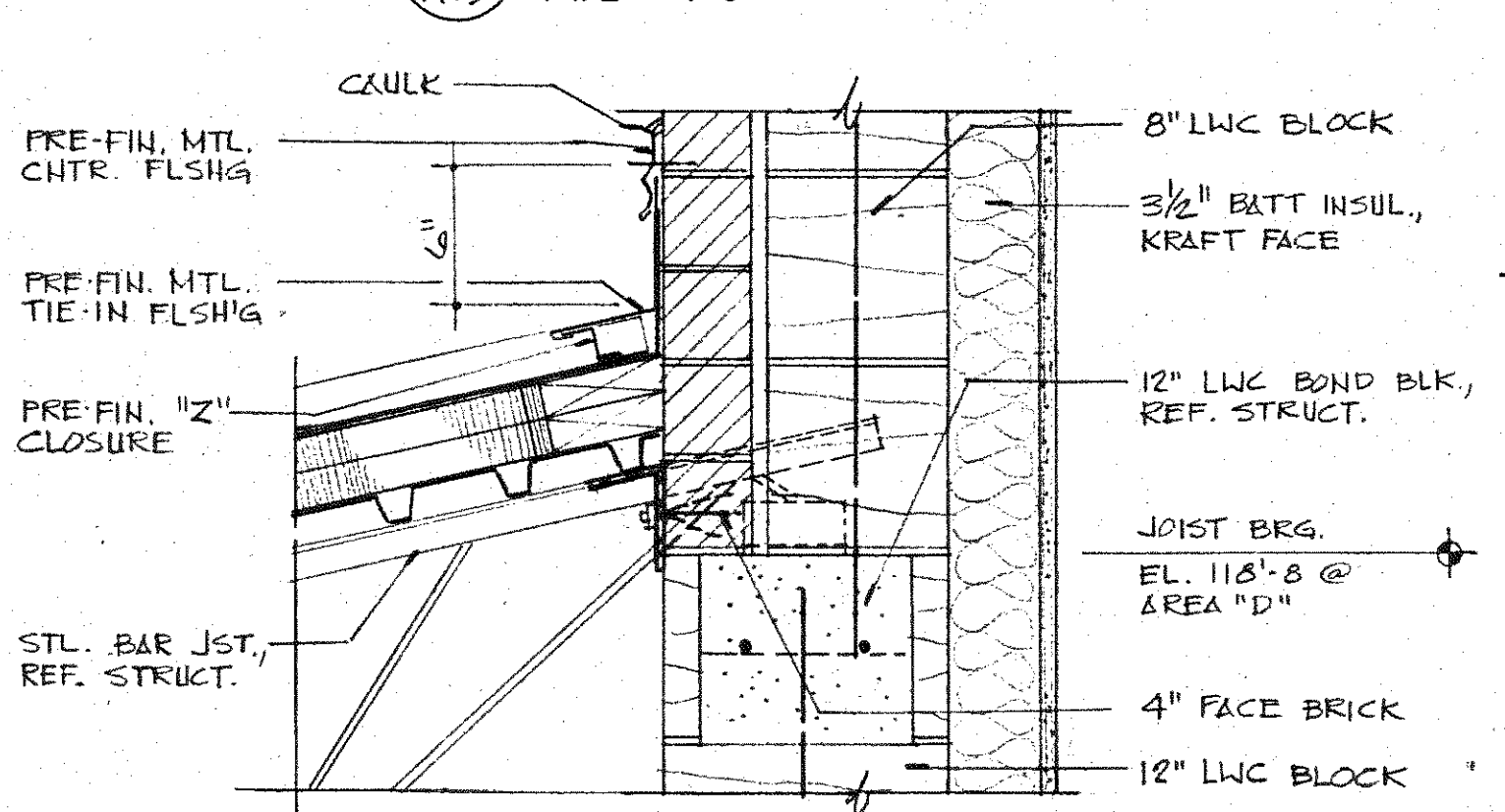
7 DTL AT CANOPY/ADJACENT ROOF  
1 1/2" = 1'-0"



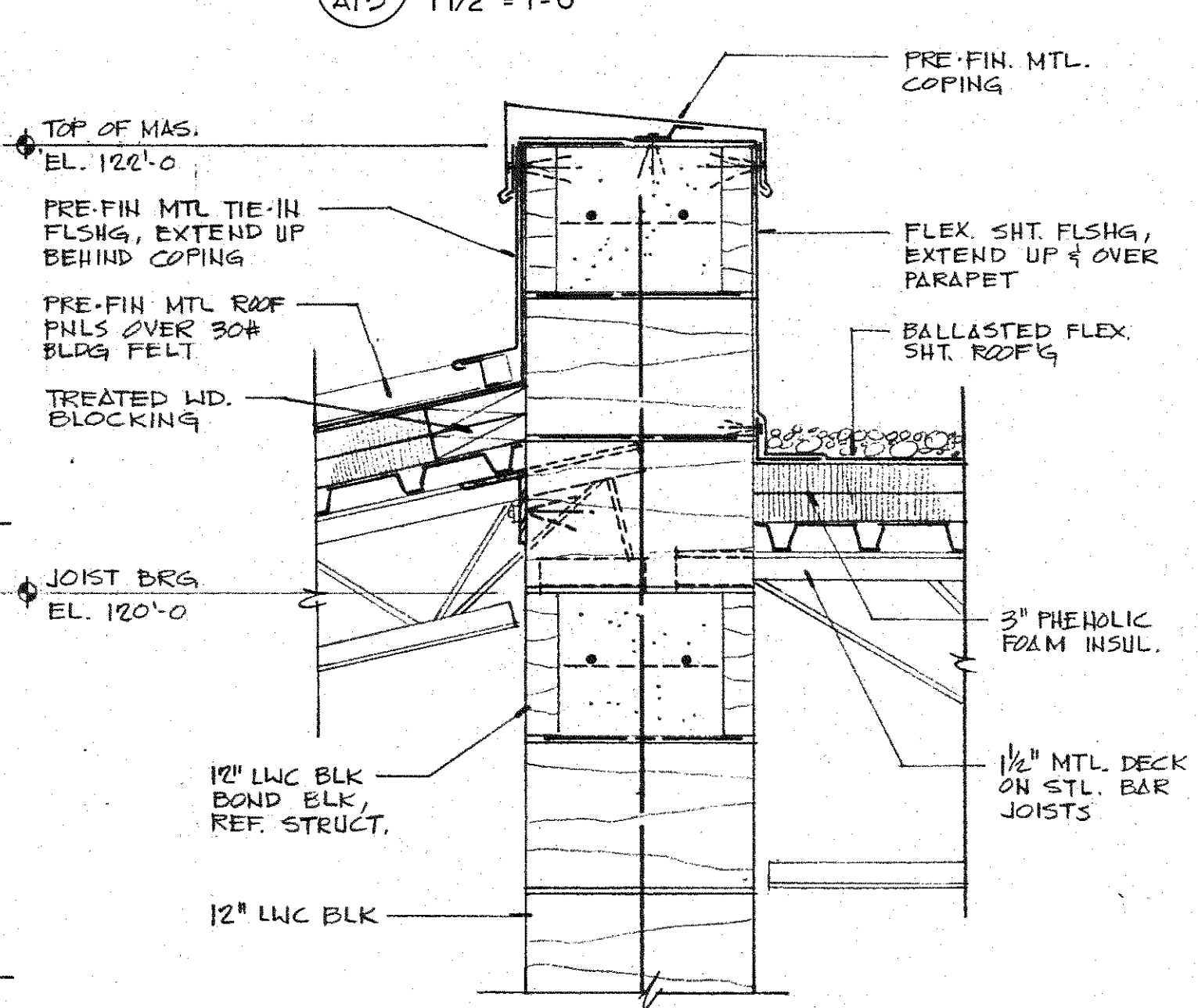
1 EJ DTL. AT MTL ROOF/WALL  
1 1/2" = 1'-0"



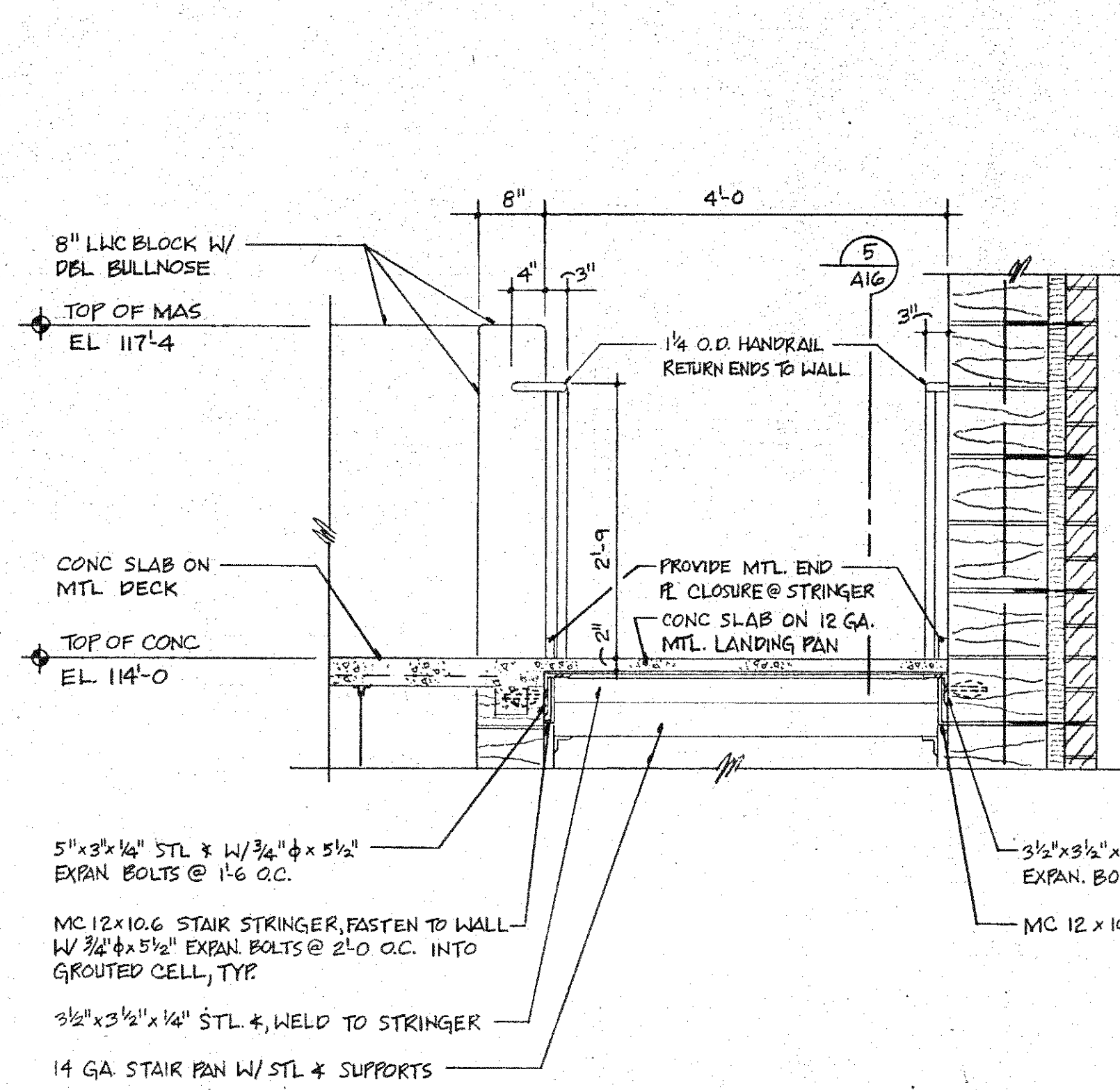
2 DTL - EAVE - AREA "D" ROOF PEAK  
1 1/2" = 1'-0"



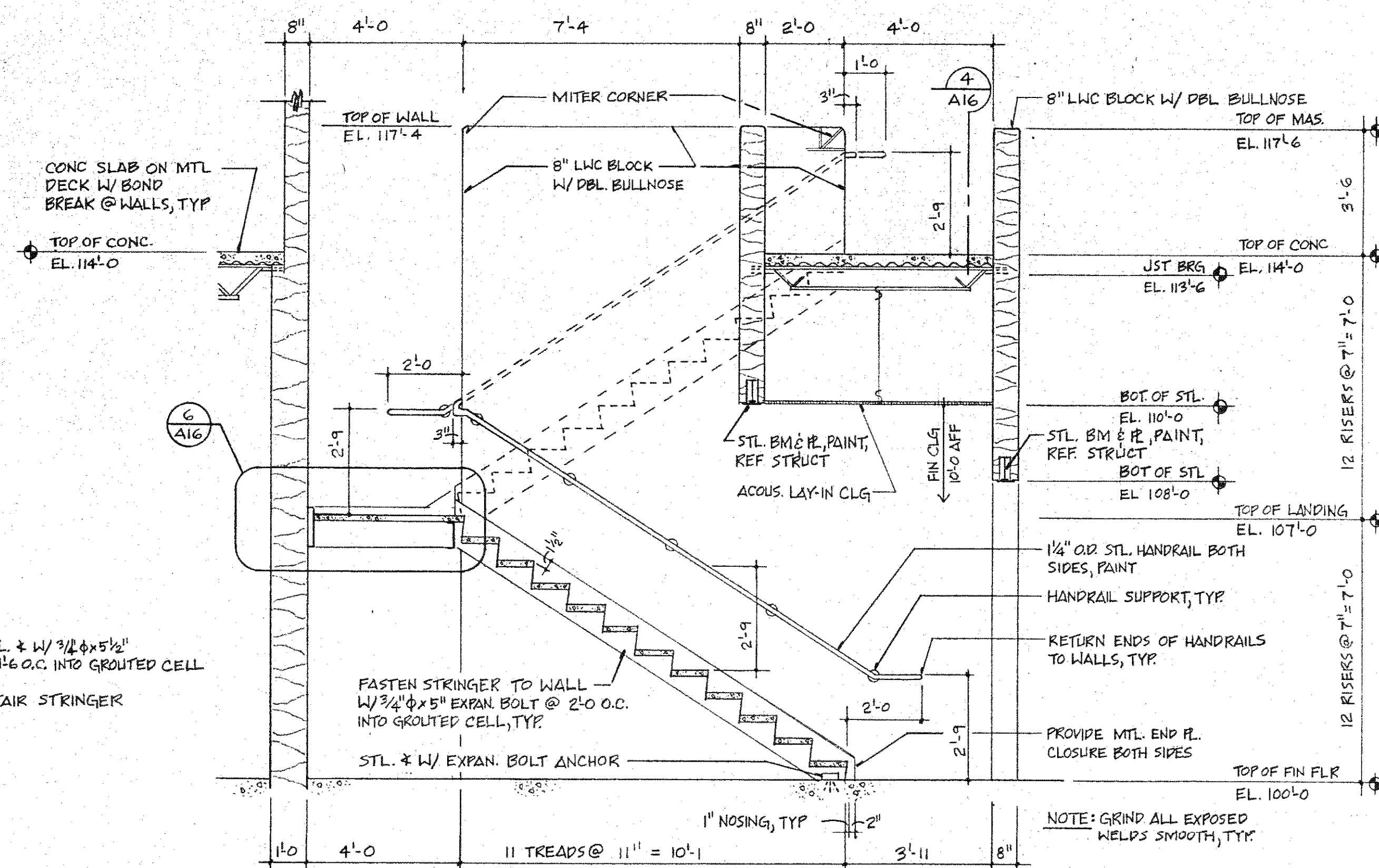
3 DTL - AREA "D" ROOF PEAK WALL  
1 1/2" = 1'-0"



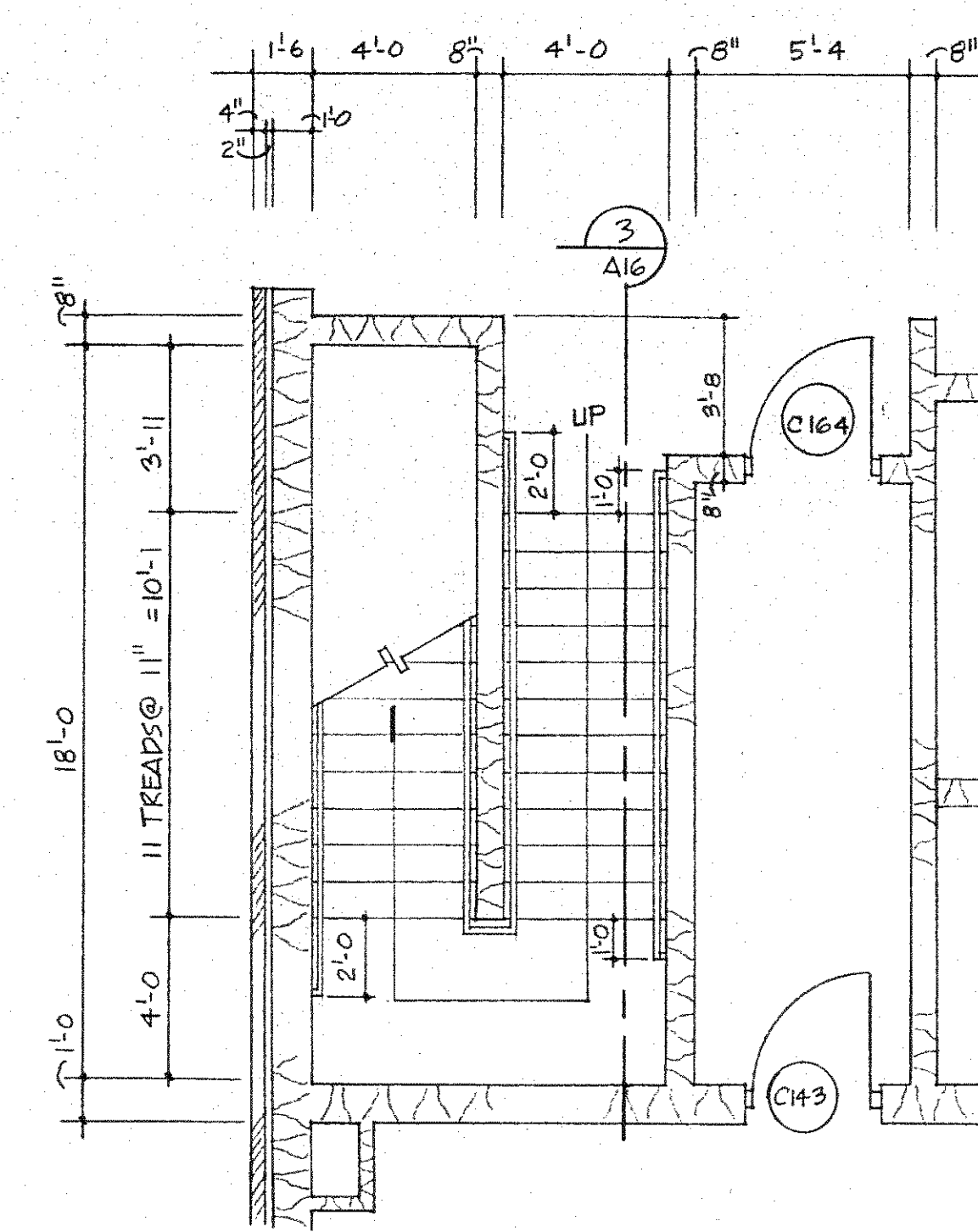
4 DTL - AREA "A" MTL ROOF TO AREA "B" WALL  
1 1/2" = 1'-0"



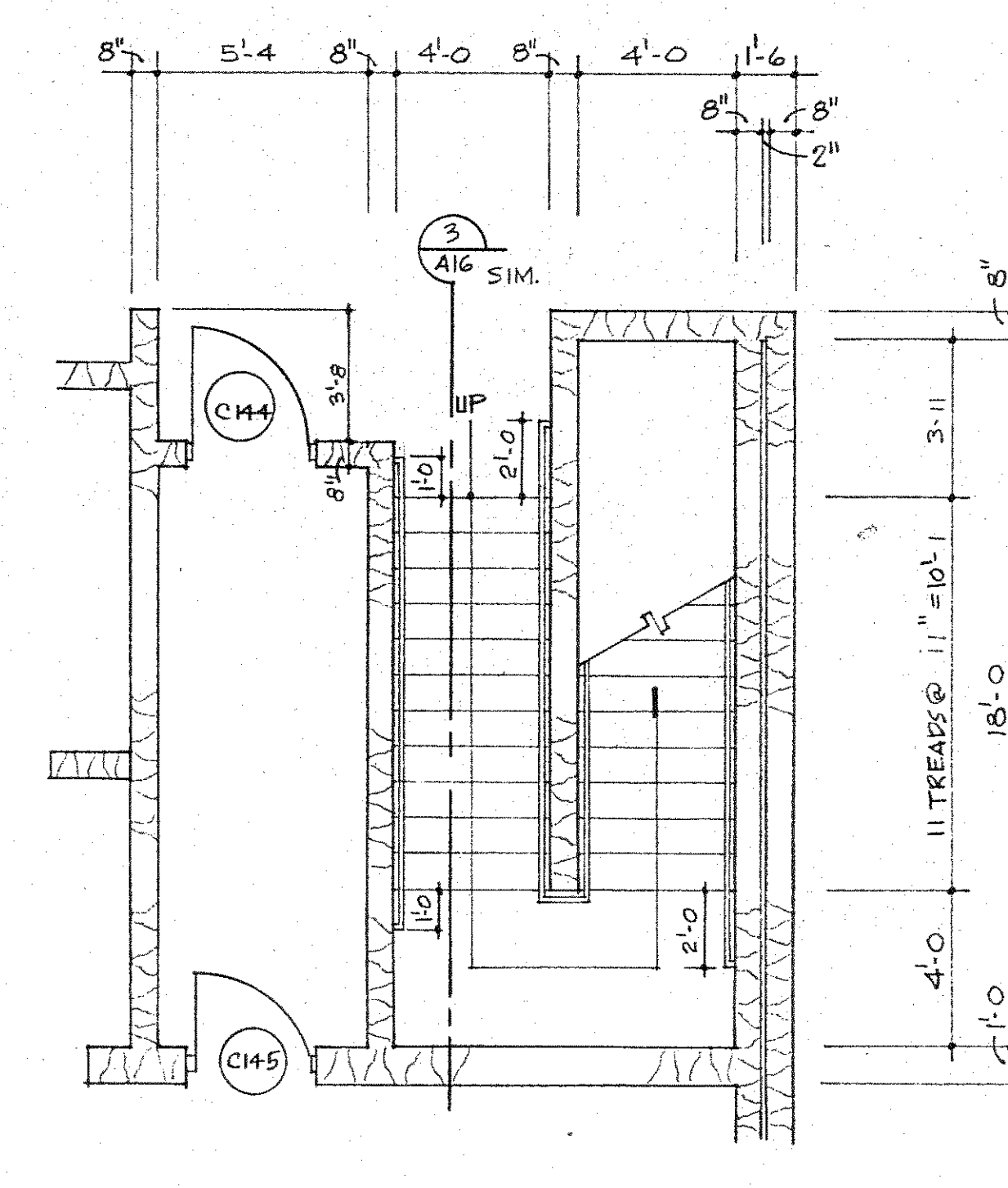
4 DETAIL AT UPPER LANDING  
3/4" = 1'-0"



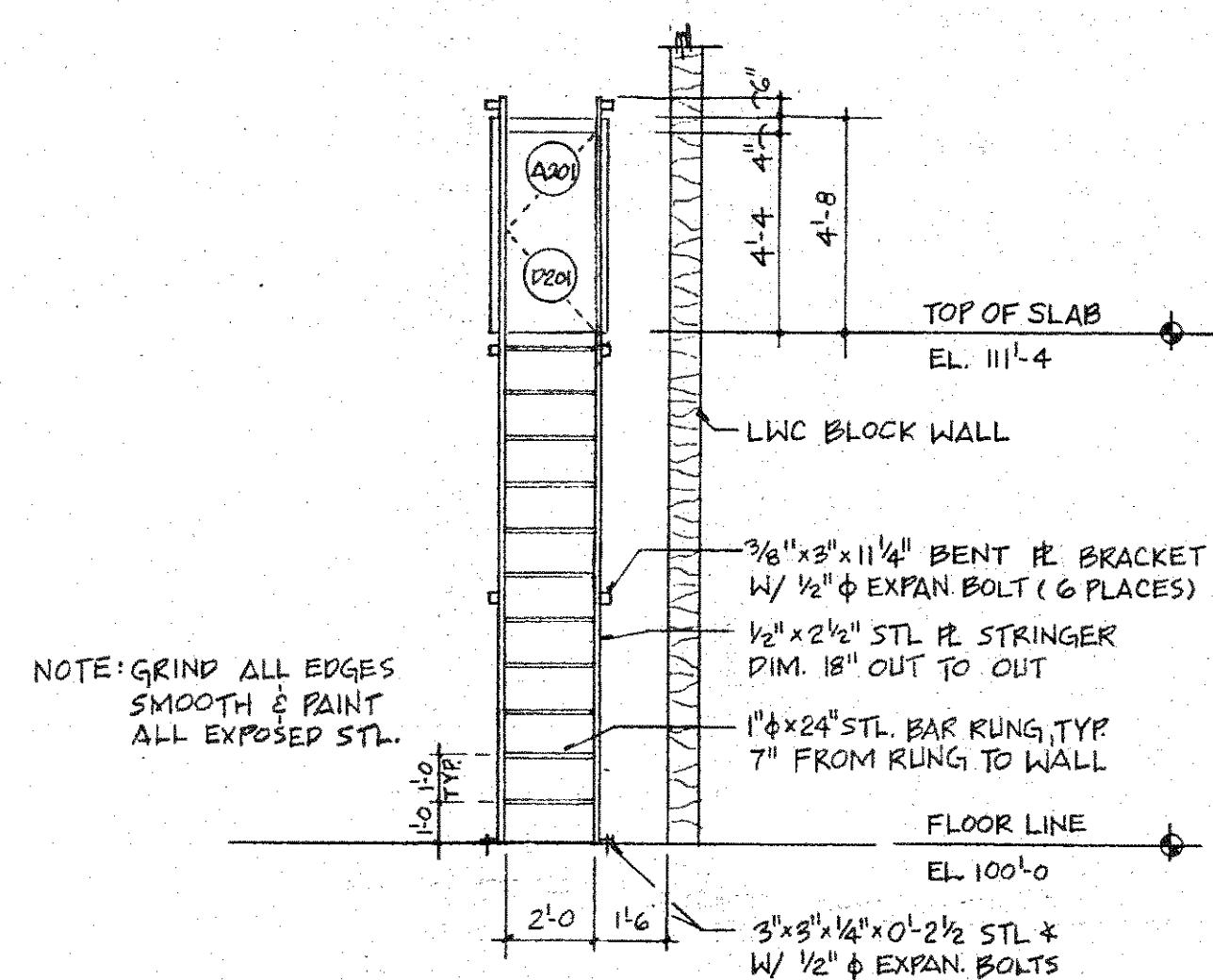
3 SECTION  
3/8" = 1'-0"



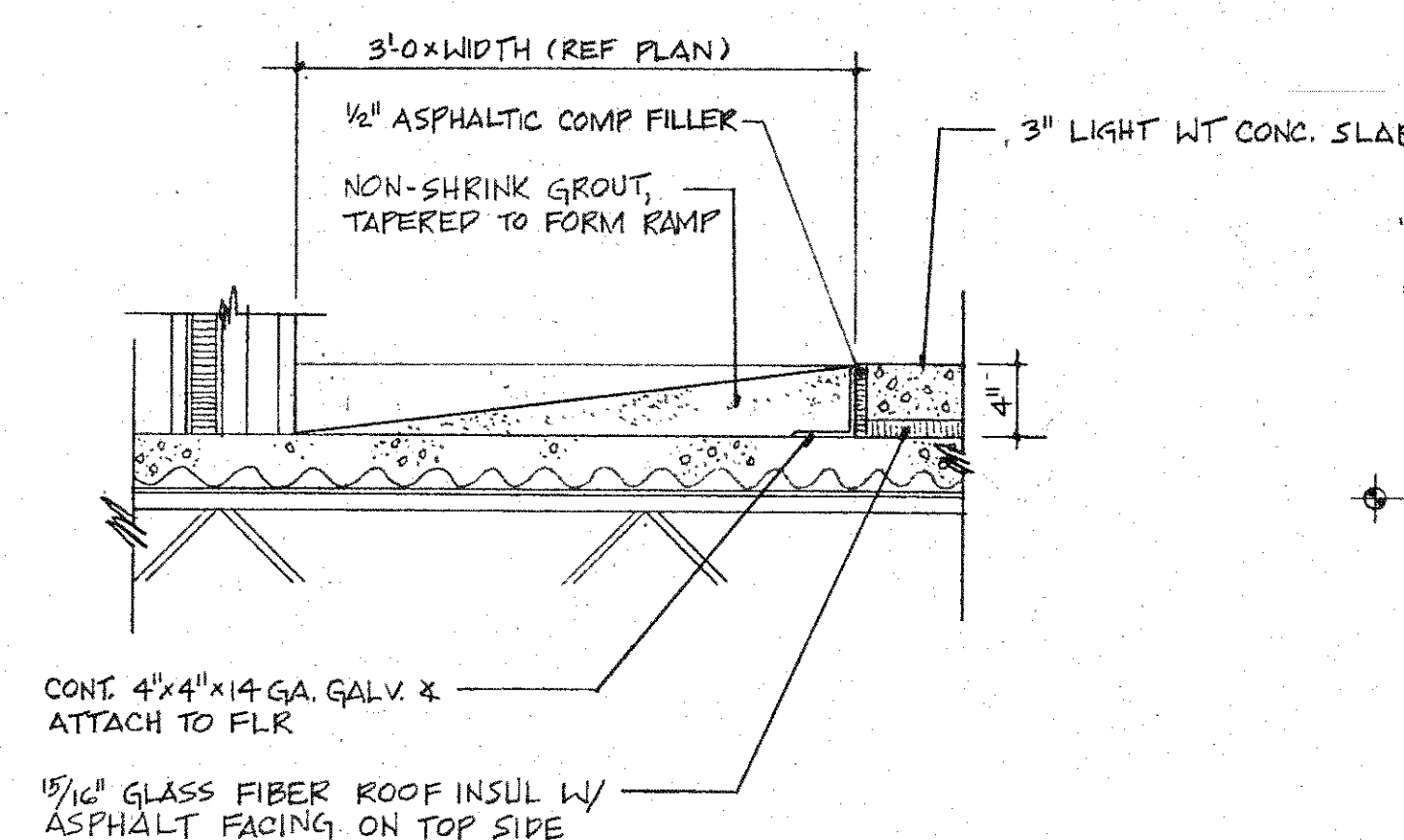
2 STAIR PLAN C-2  
1/4" = 1'-0"



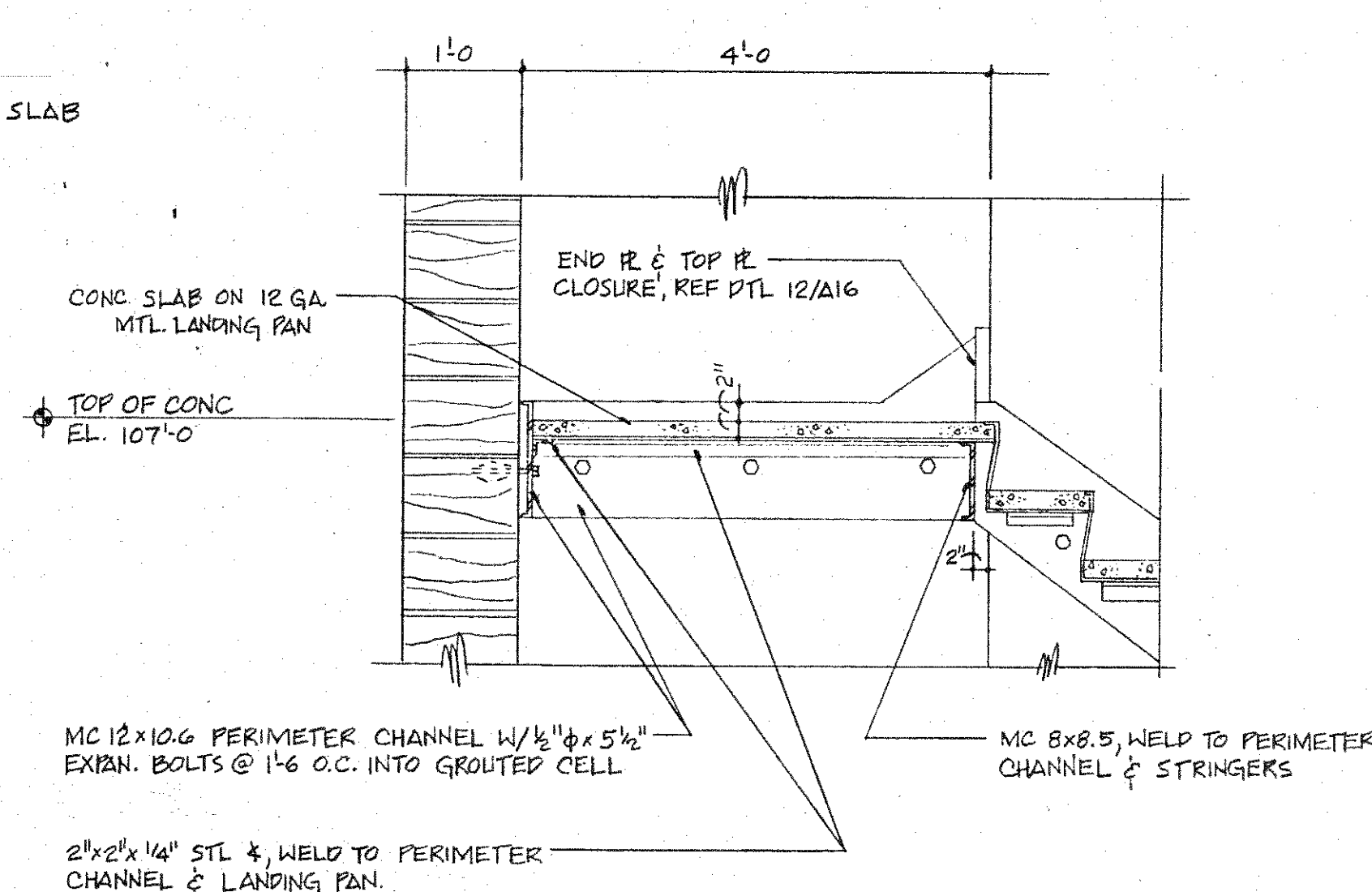
1 STAIR PLAN C-1  
1/4" = 1'-0"



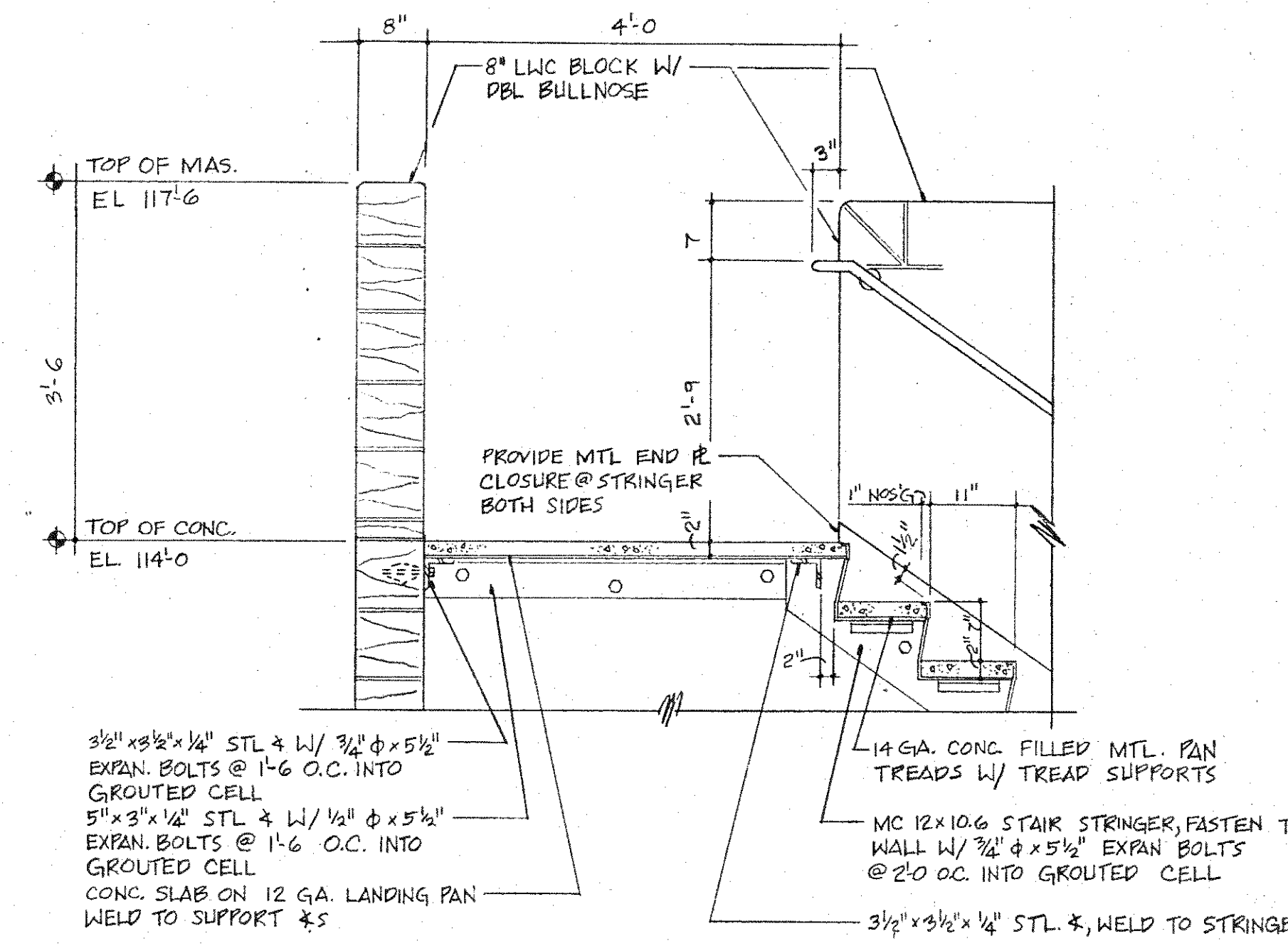
8 PLENUM ACCESS LADDER  
1/4" = 1'-0"



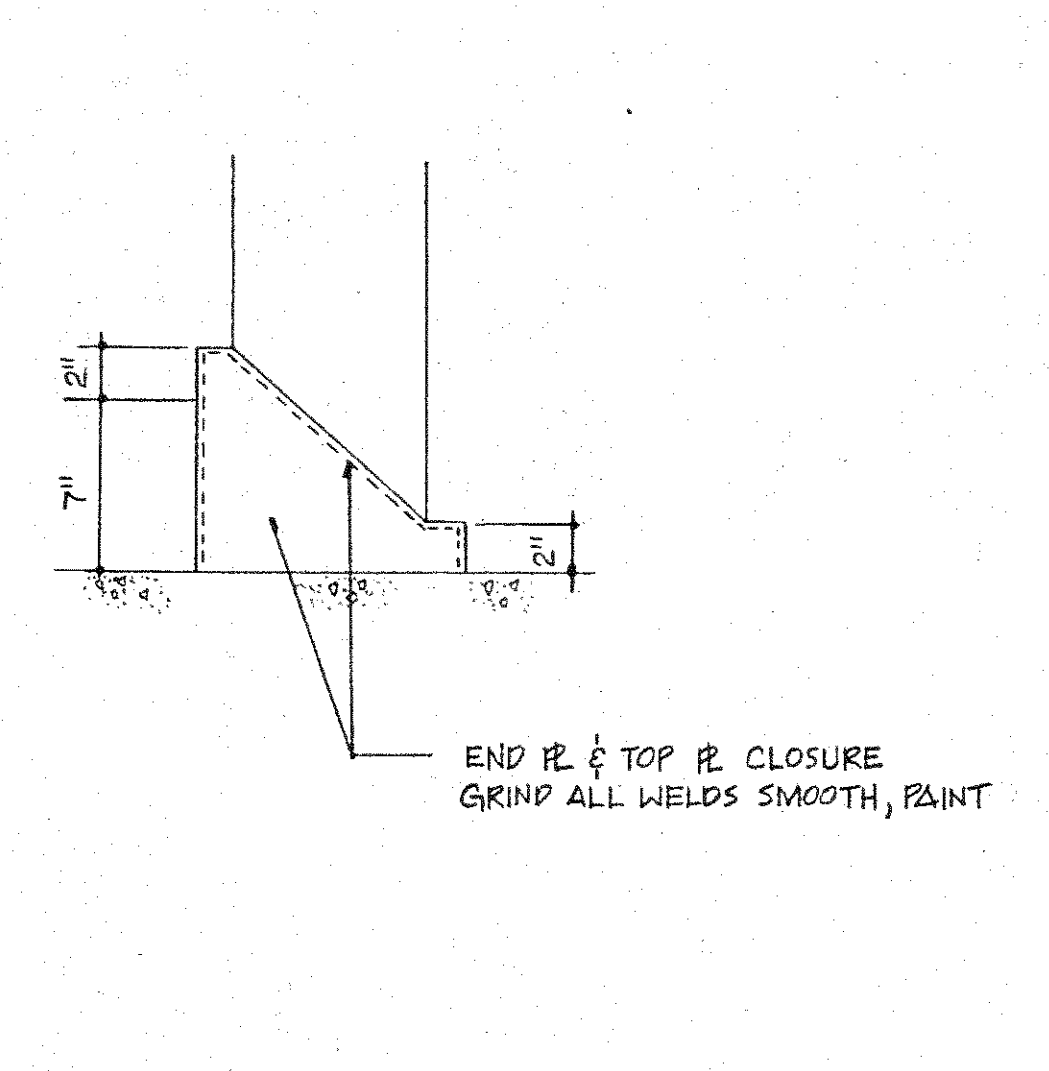
7 ISOLATION SLAB TRANSITION DTL.  
1" = 1'-0"



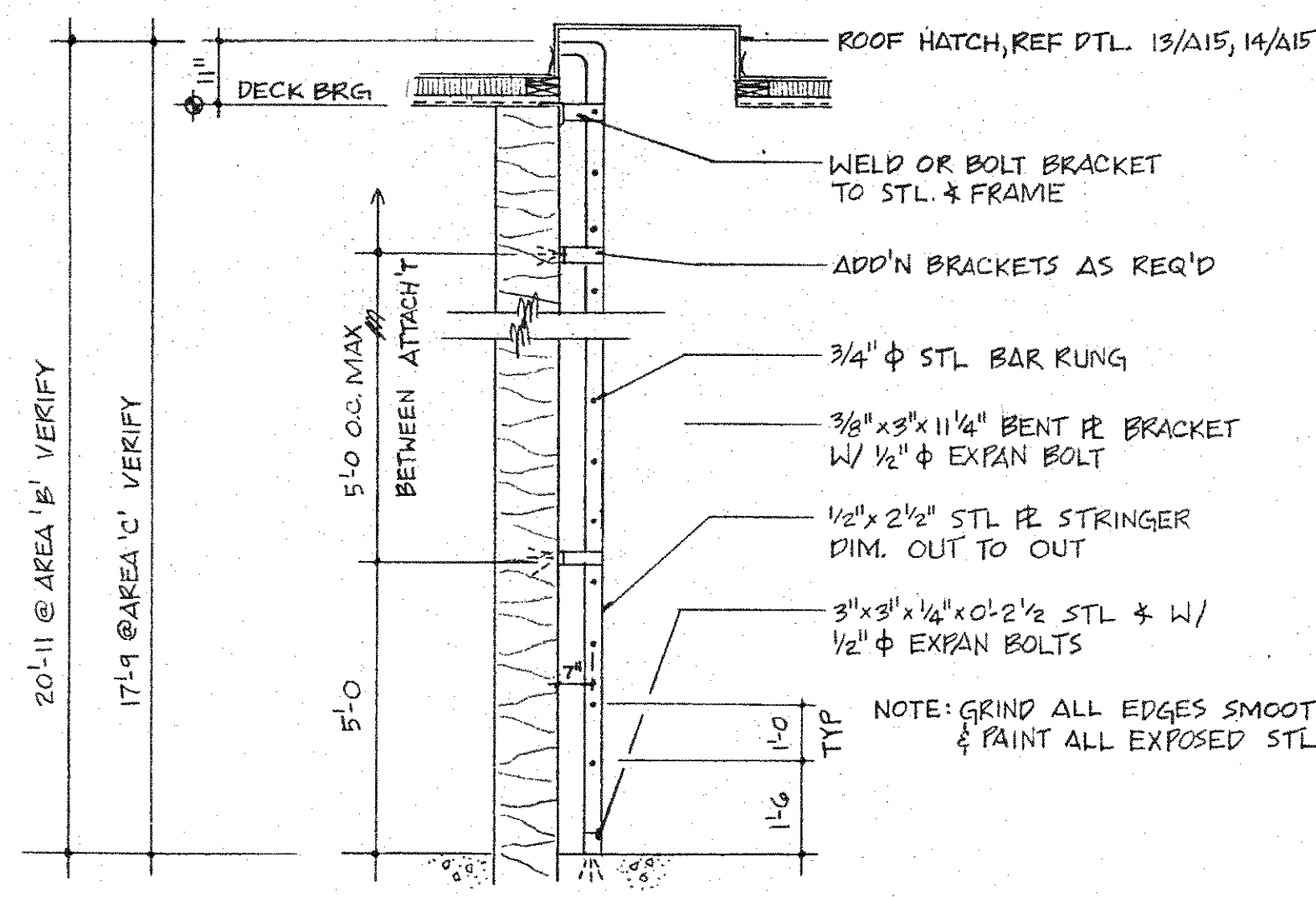
6 DETAIL AT MID LANDING  
3/4" = 1'-0"



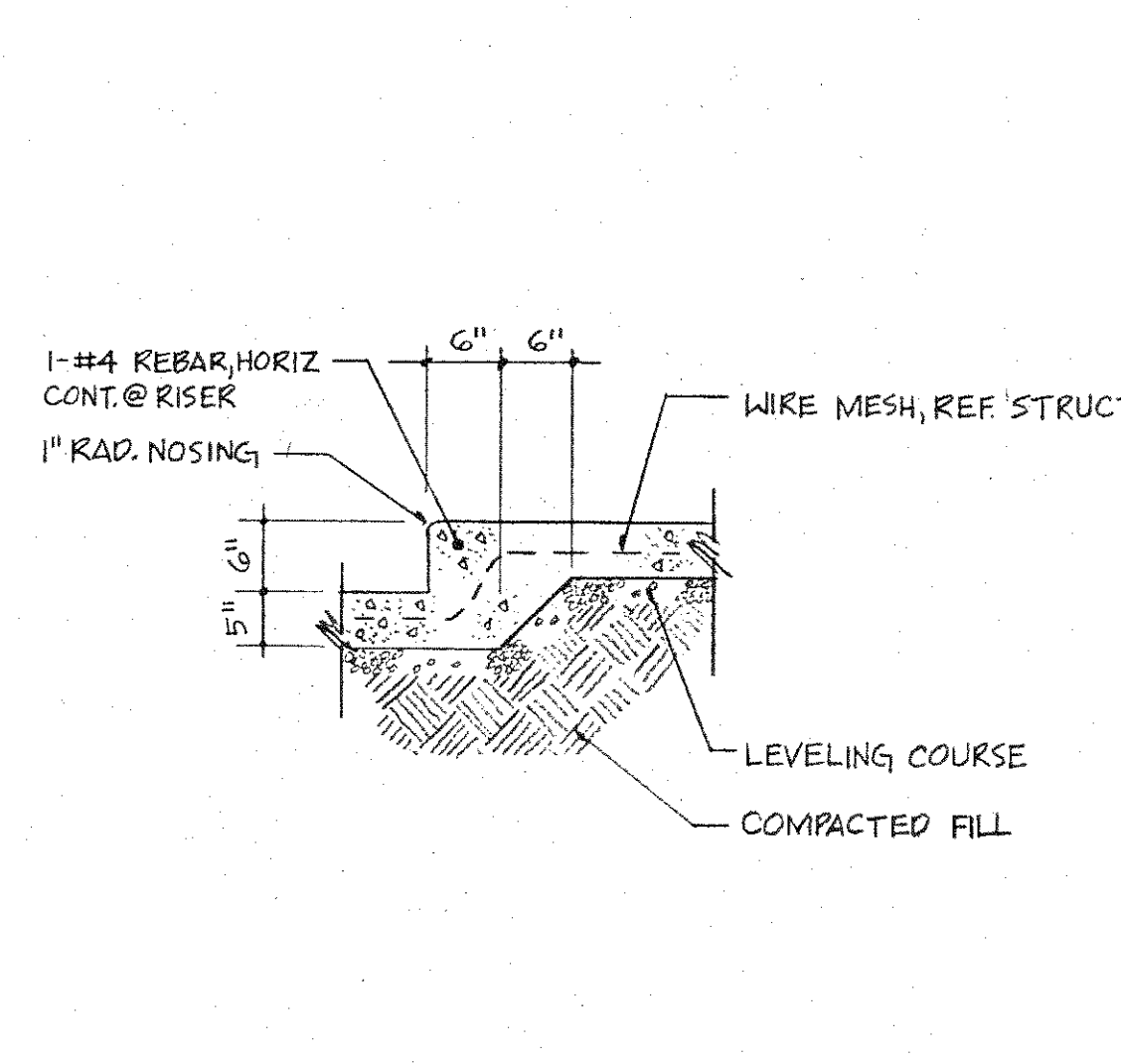
5 DETAIL AT UPPER LANDING  
3/4" = 1'-0"



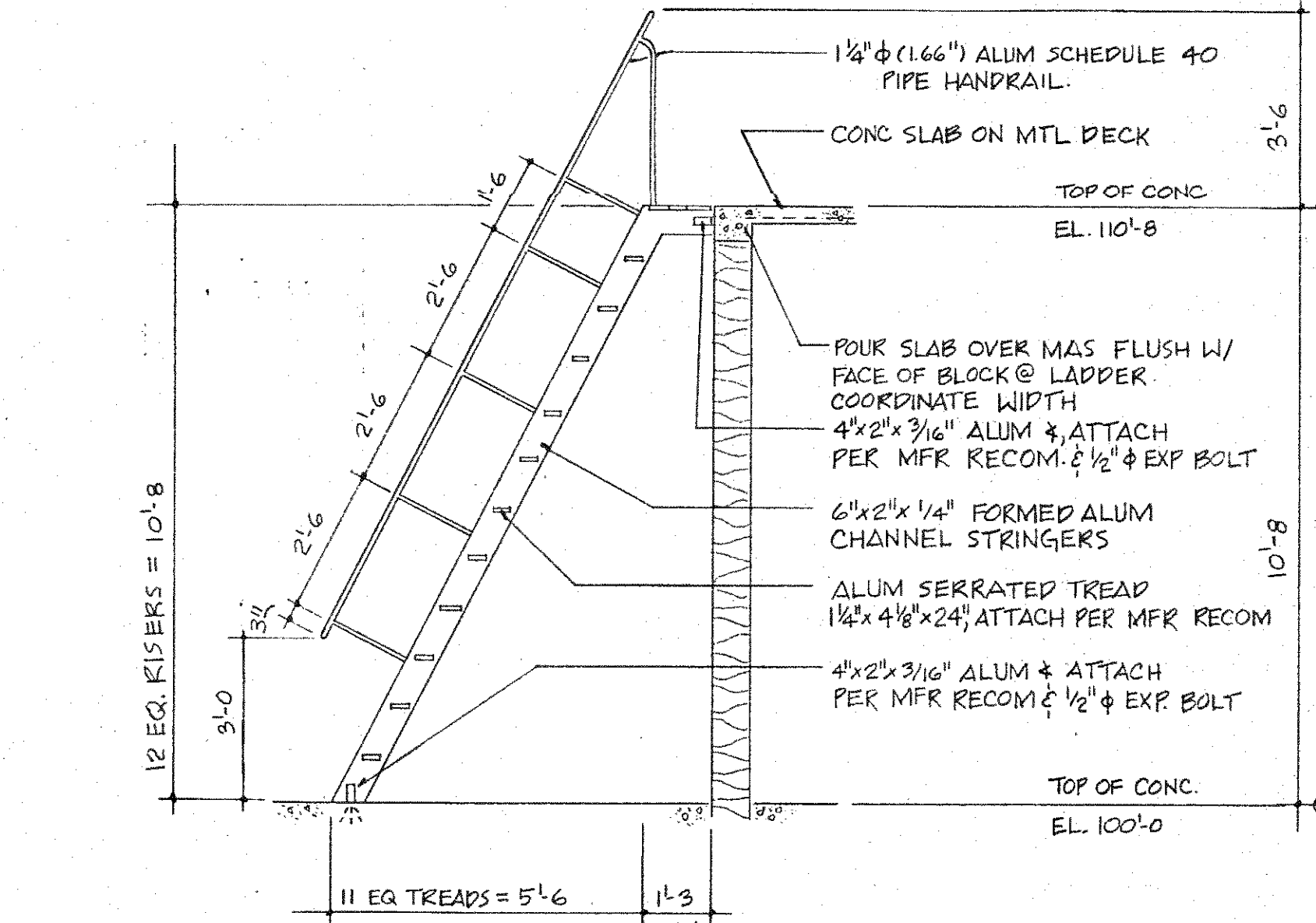
12 CLOSURE DETAIL  
1 1/2" = 1'-0"



11 ROOF LADDERS  
3/8" = 1'-0"



10 RISERS DETAIL  
3/4" = 1'-0"

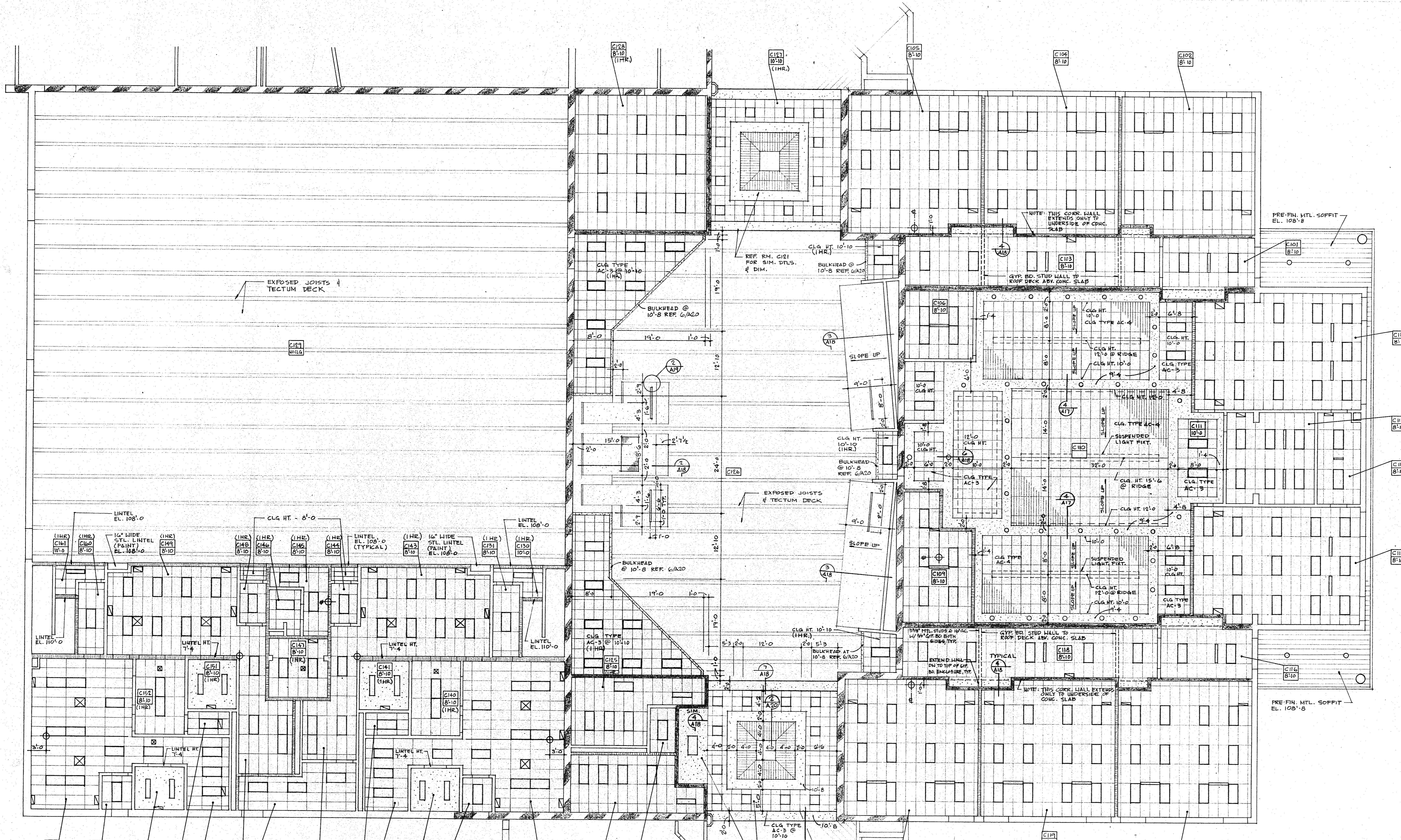


9 SHIP LADDER  
3/8" = 1'-0"







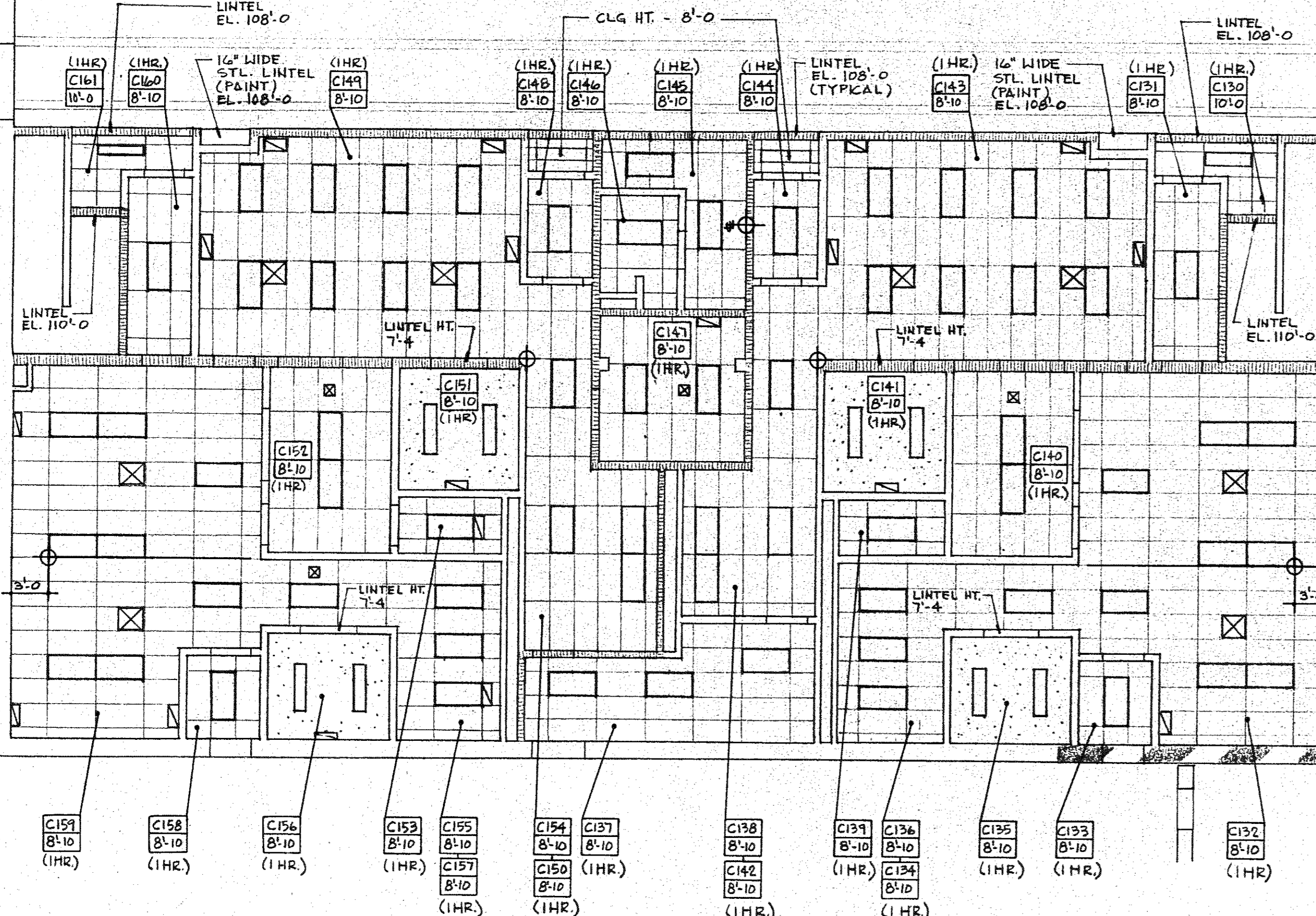


EXPOSED JOISTS & TECTUM DECK

REF. RM. C121 FOR SIM. DTLS. & DIM.

NOTE: THIS CORR. WALL EXTENDS ONLY TO UNDERSIDE OF CONC. SLAB

PRE-FIN. MTL. SOFFIT EL. 108'-8"

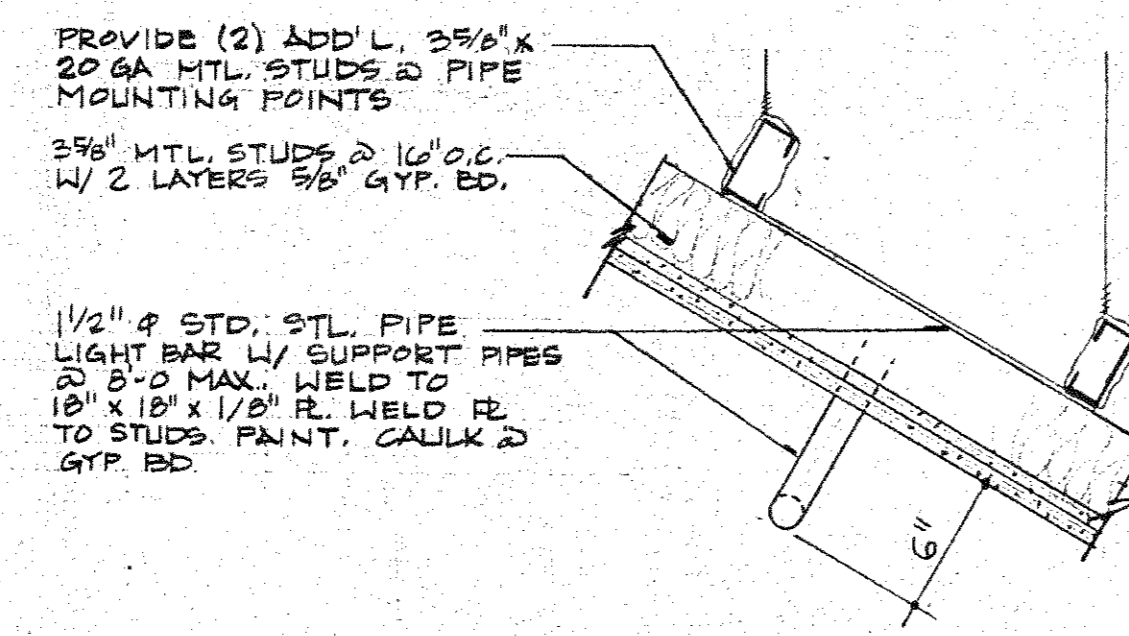
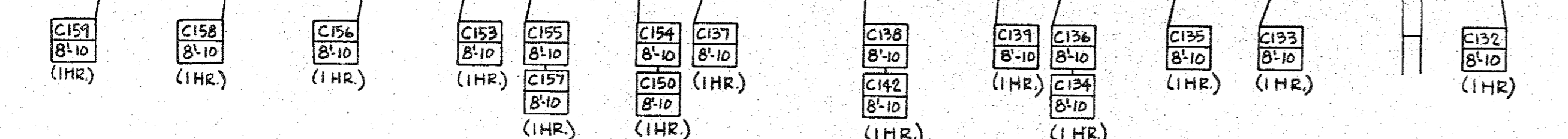


BULKHEAD @ 10'-8 REF. G/A20

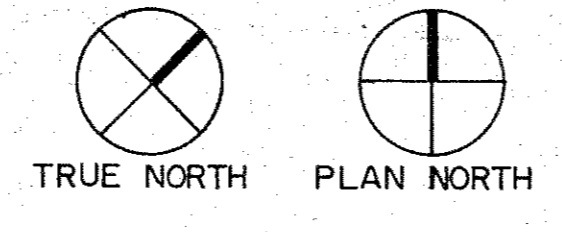
EXPOSED JOISTS & TECTUM DECK

NOTE: THIS CORR. WALL EXTENDS ONLY TO UNDERSIDE OF CONC. SLAB

PRE-FIN. MTL. SOFFIT EL. 108'-8"



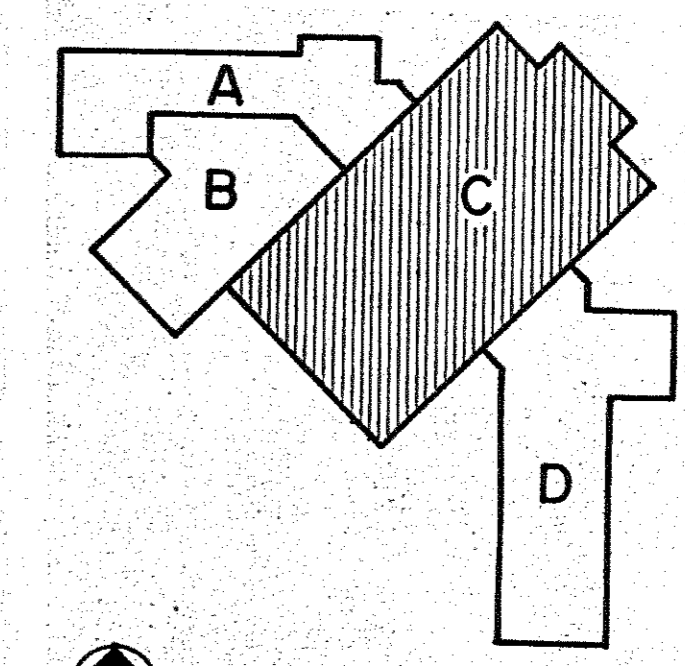
② LIGHT BAR SUPPORT  
1/2" = 1'-0"



REFLECTED CEILING PLAN - AREA "C"

**SYMBOLS (UNLESS NOTED OTHERWISE)**

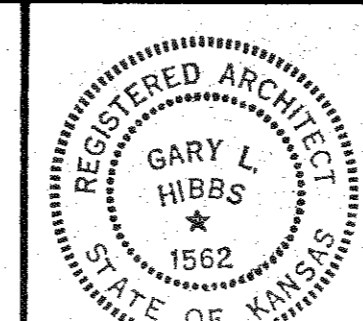
- 1 HOUR RATED WALL TO UNDERSIDE OF DECK
- 2 HOUR RATED WALL TO UNDERSIDE OF DECK
- NON-RATED MSRY WALL TO UNDERSIDE OF DECK (BEARING OR SOUND)
- NON-RATED STUD WALL TO UNDERSIDE OF DECK
- NON-RATED WALL - TOP 6" MIN. ABOVE HIGHEST CEILING LEVEL
- LAY-IN LIGHT FIXTURES - REF. ELEC.
- DOWNLIGHT - REF. ELEC.
- 5/8" GYP. BD. CEILING OR BULKHEAD
- SOUND DIFFUSING PANEL
- SUPPLY AIR DIFFUSER-REF. MECH.
- RETURN AIR OR EXHAUST-REF. MECH.
- LAY-OUT POINT OF GRID



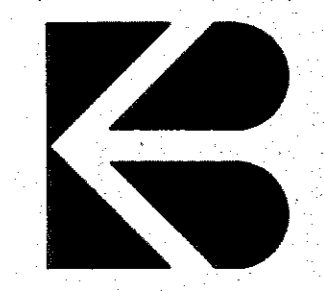
KEY PLAN

MIDDLE SCHOOL  
WAMEGO U.S.D. 320

REFLECTED CEILING PLAN - AREA "C"

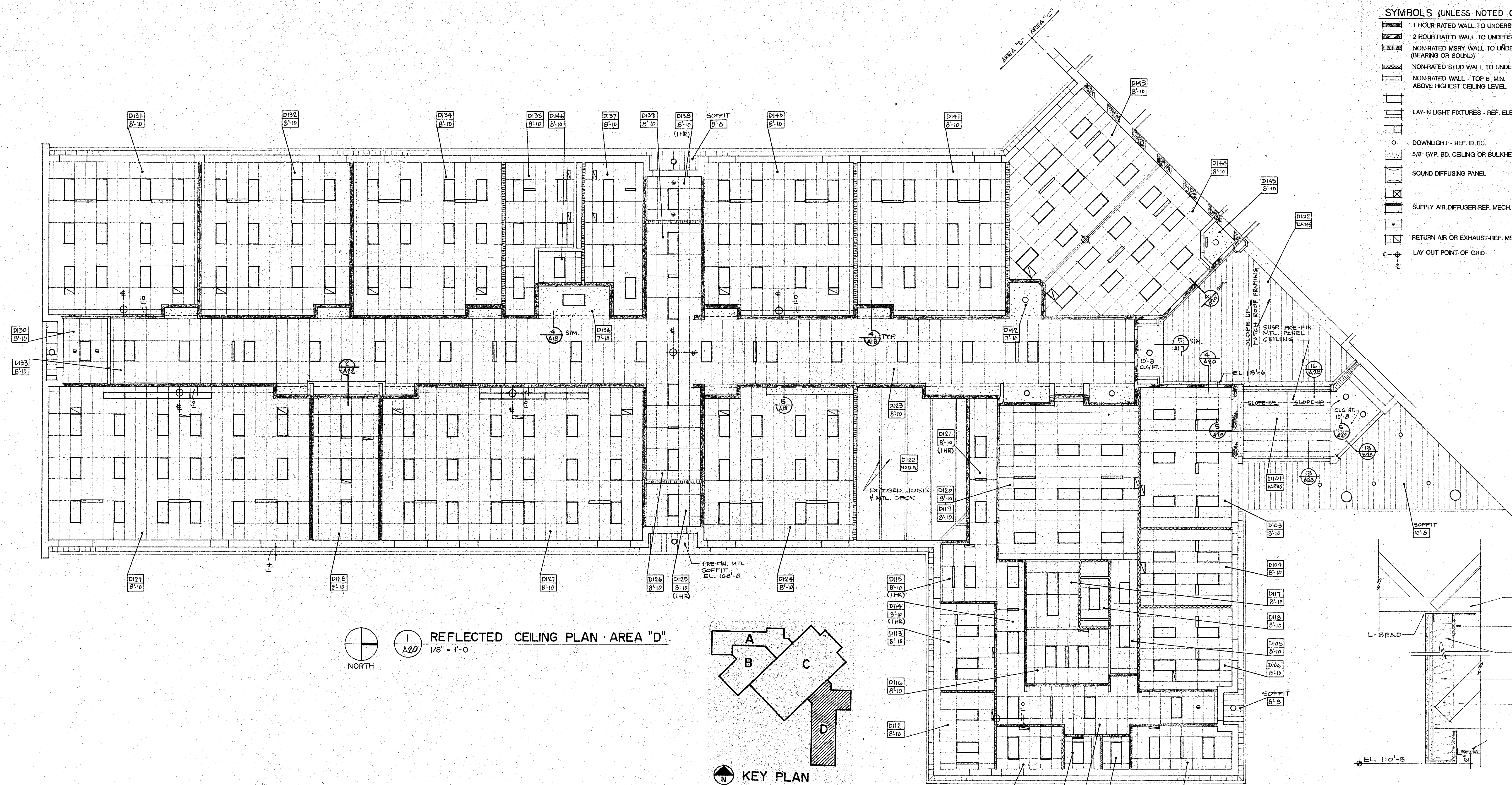


KIENE & BRADLEY DESIGN GROUP · AIA  
CHARTERED  
ARCHITECTS  
TOPEKA  
INTERIOR ARCHITECTURE  
KANSAS

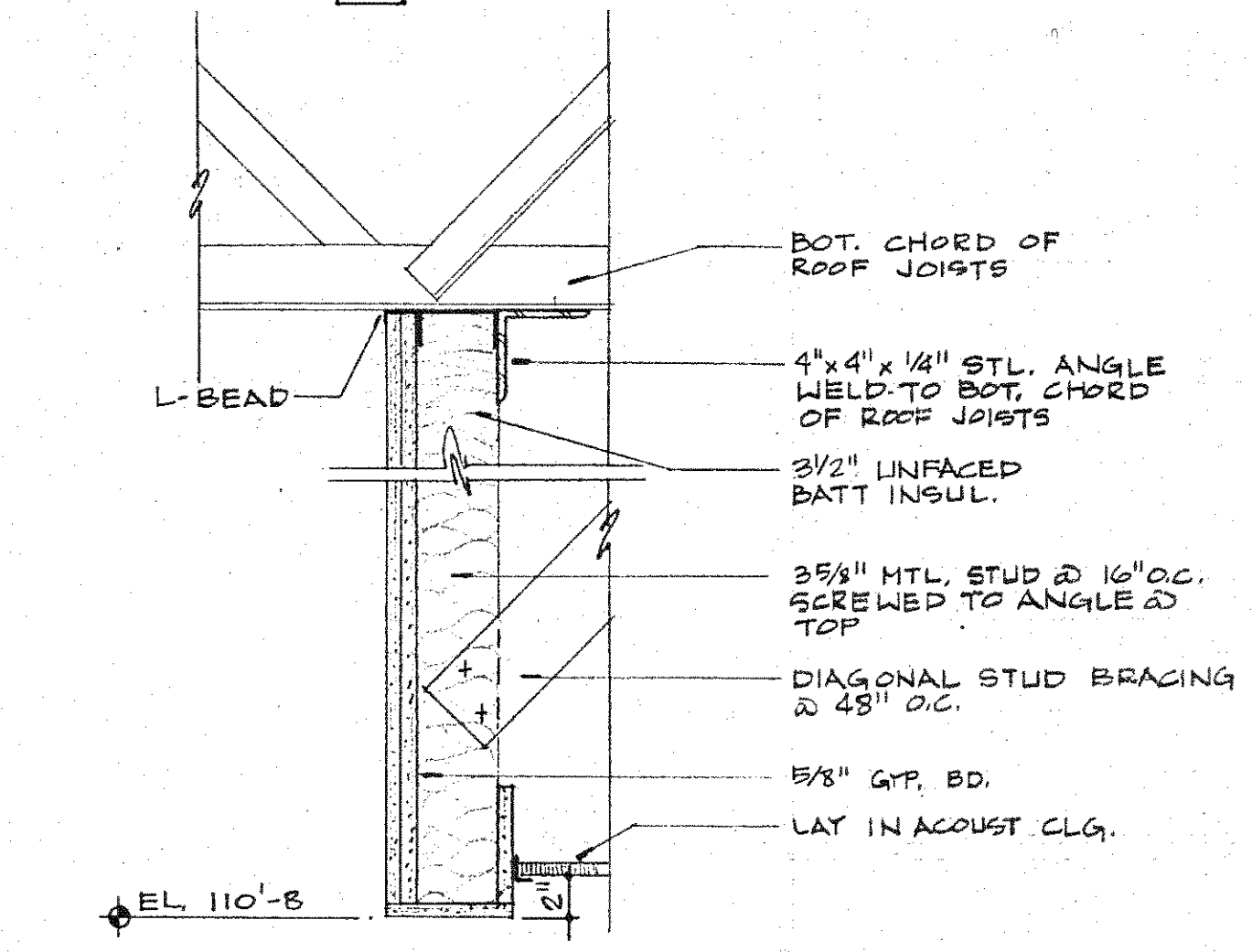
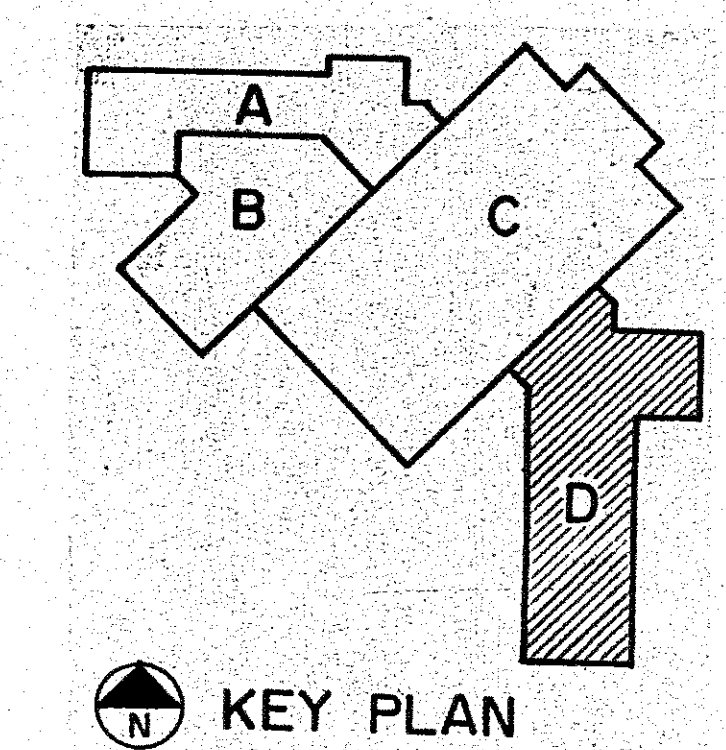


JOB NO. 89-36  
DATE 4-8-91  
REVISION  
SHEET NO. A19

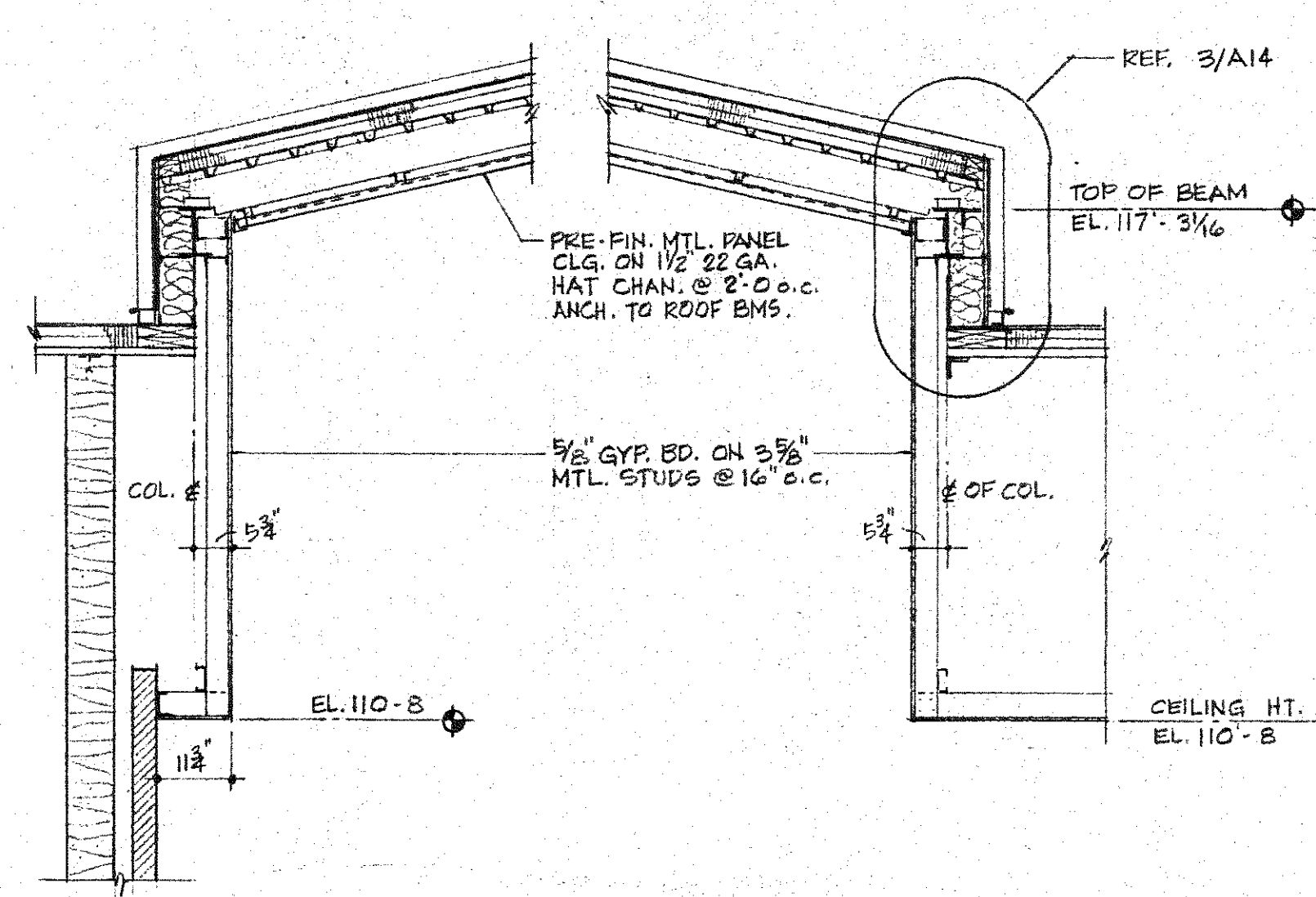
- SYMBOLS (UNLESS NOTED OTHERWISE)**
- 1 HOUR RATED WALL TO UNDERSIDE OF DECK
  - 2 HOUR RATED WALL TO UNDERSIDE OF DECK
  - NON-RATED MSRY WALL TO UNDERSIDE OF DECK (BEARING OR SOUND)
  - NON-RATED STUD WALL TO UNDERSIDE OF DECK
  - NON-RATED WALL - TOP 6" MIN. ABOVE HIGHEST CEILING LEVEL
  - LAY-IN LIGHT FIXTURES - REF. ELEC.
  - DOWNLIGHT - REF. ELEC.
  - 5/8" GYP. BD. CEILING OR BULKHEAD
  - SOUND DIFFUSING PANEL
  - SUPPLY AIR DIFFUSER-REF. MECH.
  - RETURN AIR OR EXHAUST-REF. MECH.
  - LAY-OUT POINT OF GRID



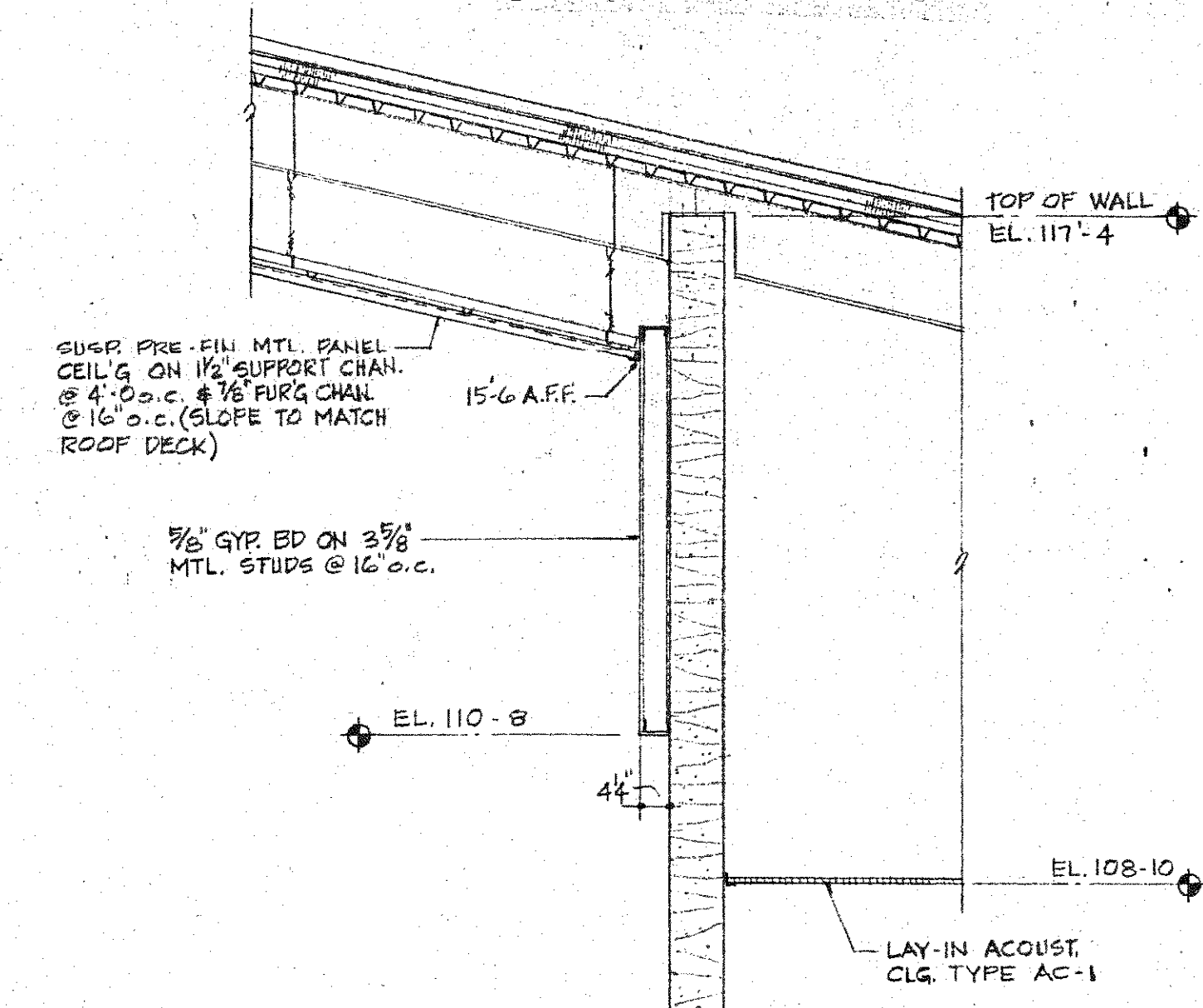
**REFLECTED CEILING PLAN - AREA "D"**  
 1/8" = 1'-0"  
 NORTH



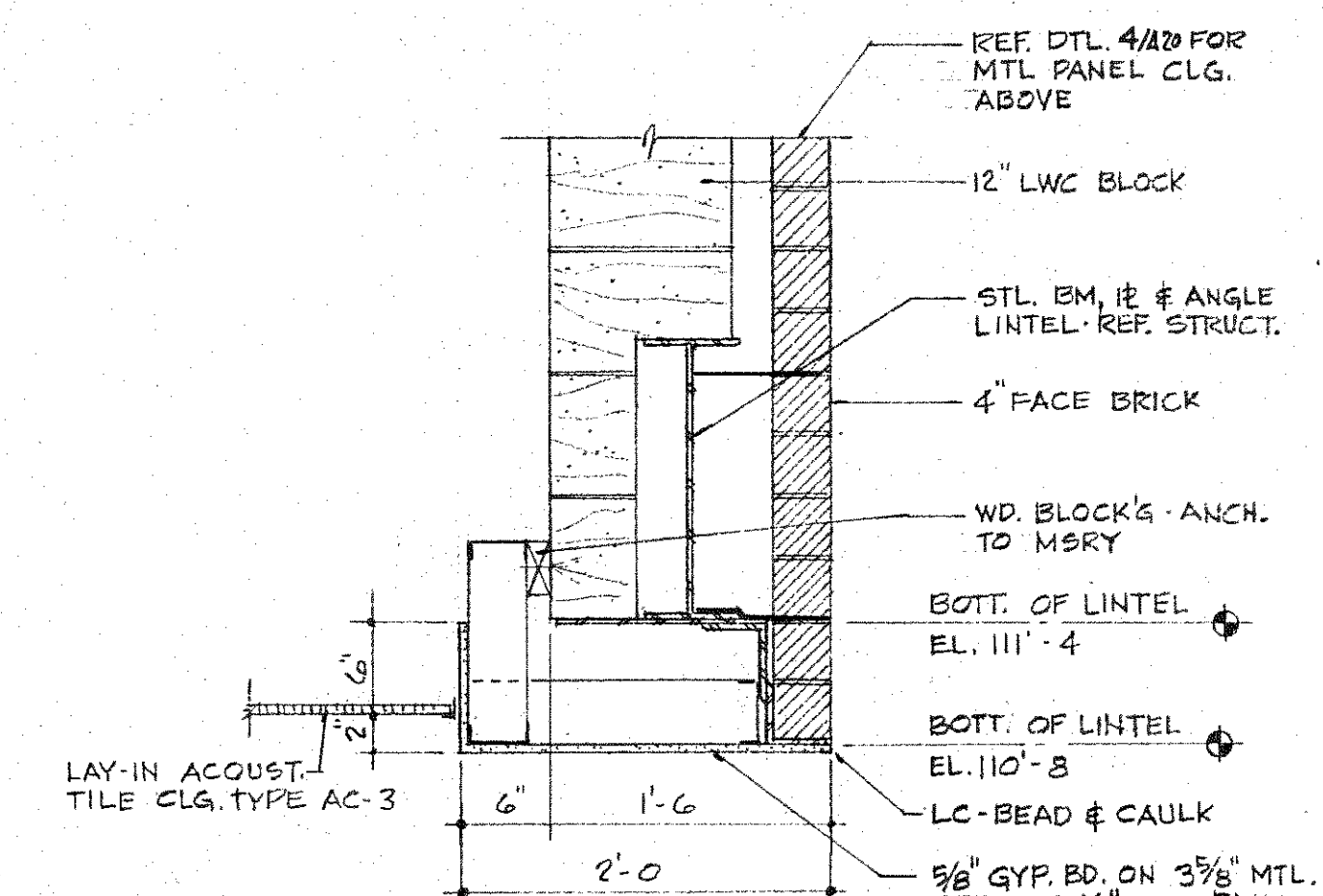
**BULKHEAD**  
 1 1/2" = 1'-0"



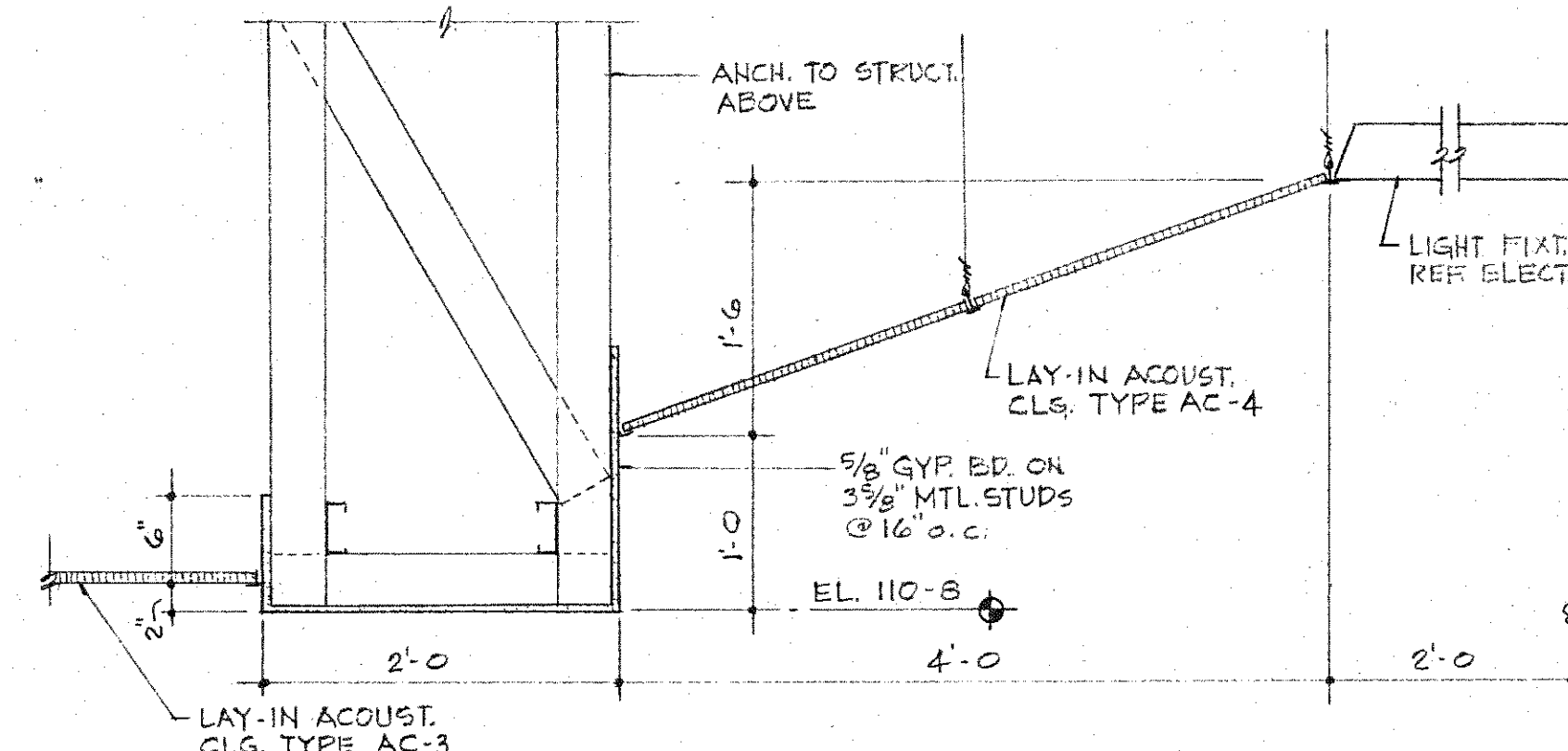
**WALL/CLG DTL. - RMS A101 & D101**  
 1/2" = 1'-0"



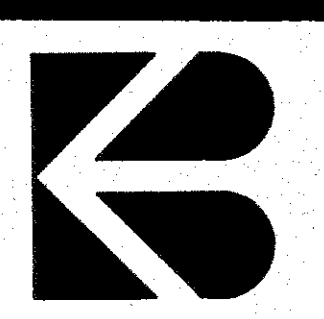
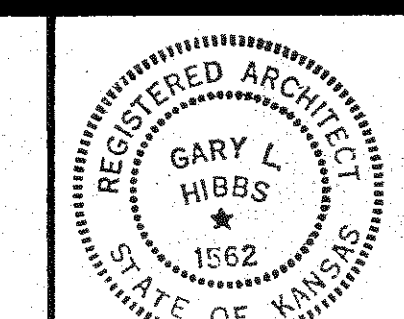
**WALL/CLG DTL. - RMS A102 & D102**  
 1/2" = 1'-0"



**BULKHEAD/CLG DTL. - RMS C121 & C127**  
 1" = 1'-0"



**BULKHEAD/CEILING DTL. - RMS C121 & C127**  
 1" = 1'-0"



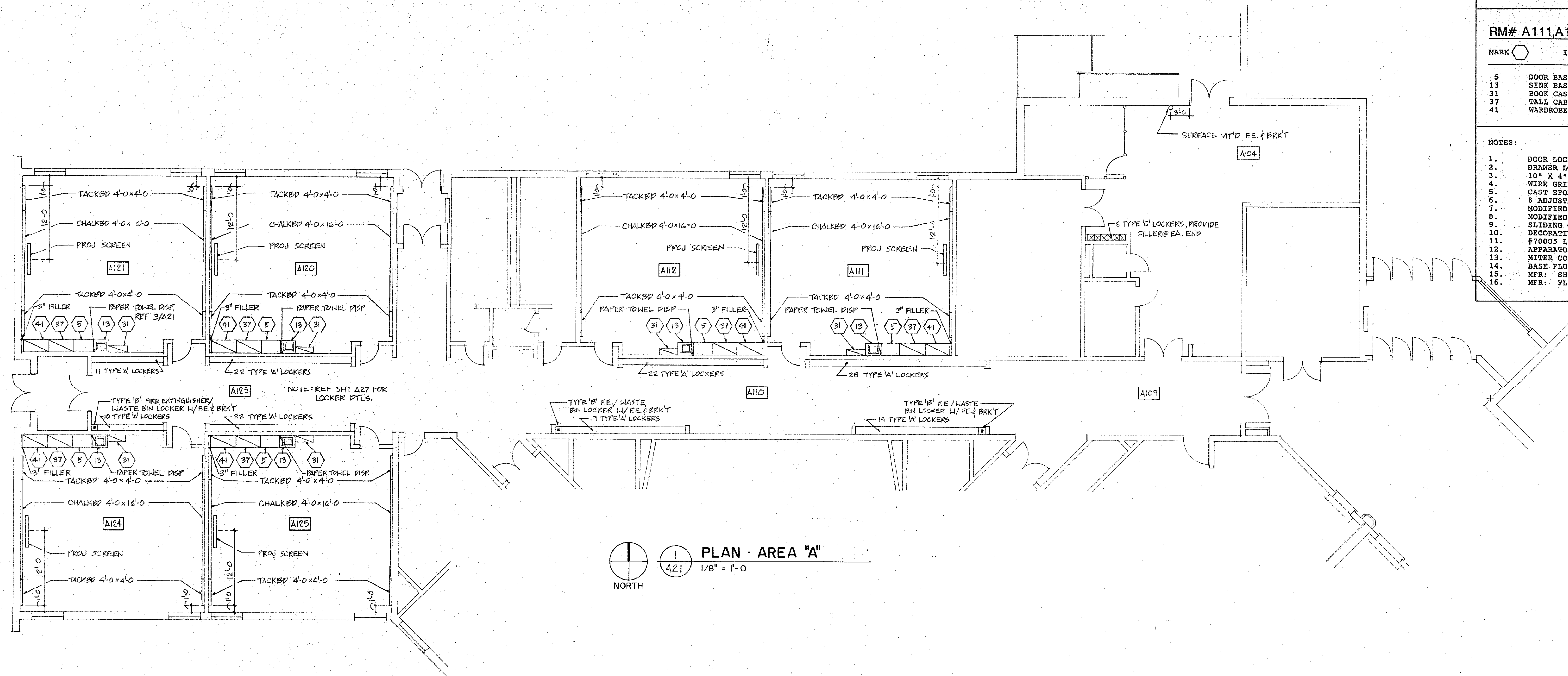
MANUFACTURED CASEWORK SCHEDULE

RM# A111,A112,A120,A121,A124,A125

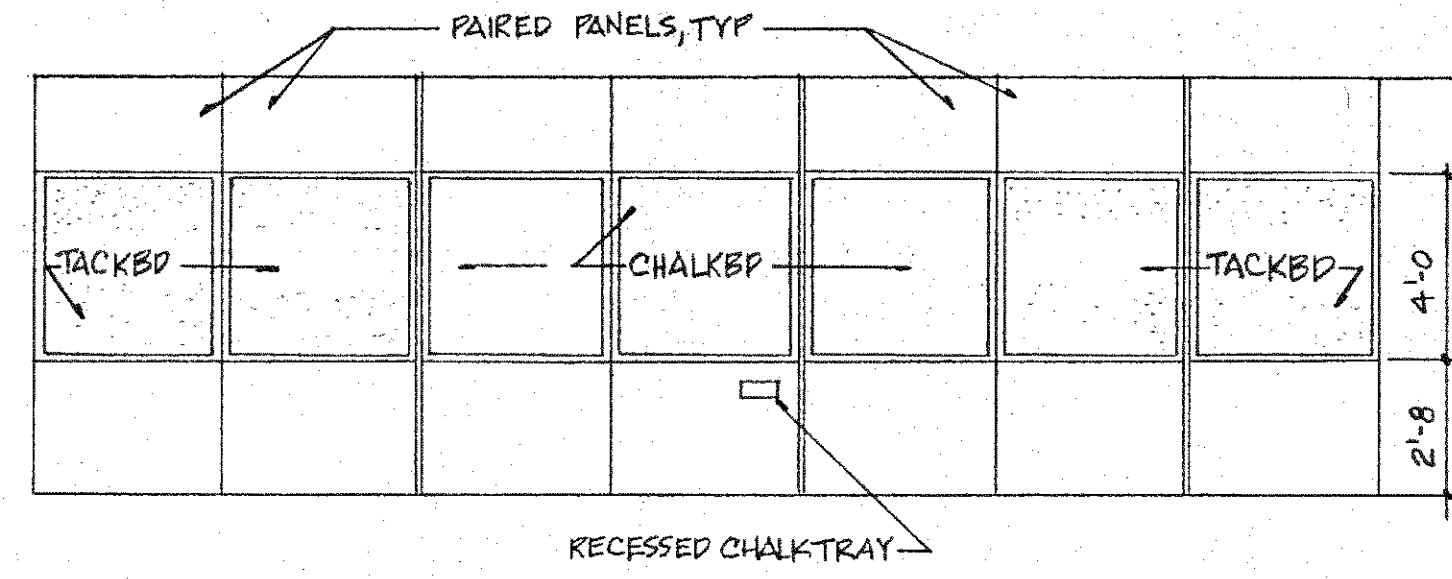
MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
5	DOOR BASE	10013	353625	
13	SINK BASE	13203	303625	
31	BOOK CASE	02150	358412	
37	TALL CABINET	30053	478425	
41	WARDROBE	33603	478425	1

NOTES:

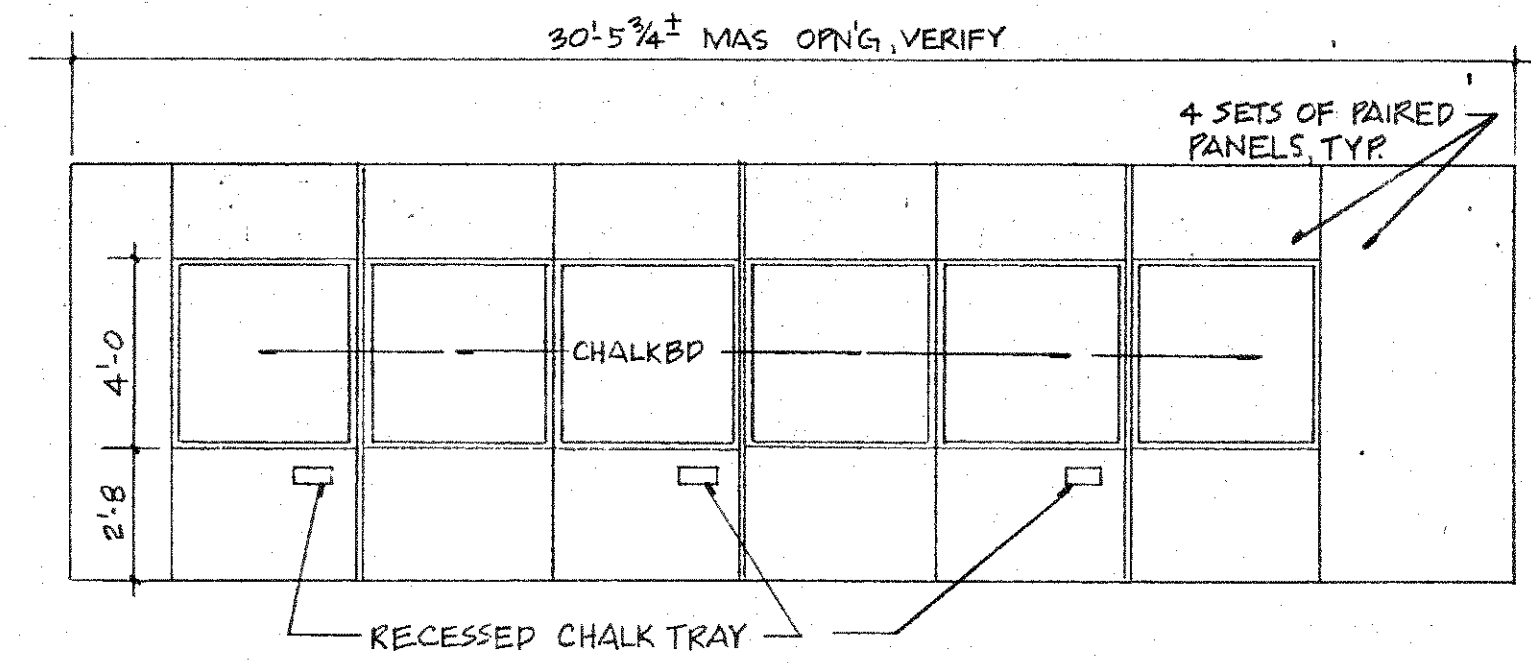
- DOOR LOCKS
- DRINK LOCKS
- 10" X 4" X 19" TOTE TRAYS INCLUDED
- WIRE GRILL DOORS, NUMBER PLATE, PADLOCK HASP
- CST GPOXY RESIN COUNTERTOP
- 8 ADJUSTABLE SHELVES
- MODIFIED FOR 18" X 24" X 1" DRWG. BDS. VERT.
- MODIFIED FOR 18" X 24" X 1" DRWG. BDS. VERT. & HORIZ.
- SLIDING GLASS DOOR LOCKS
- DECORATIVE LAMINATE INTERIOR
- #70005 LIGHT & VALENCE (HARD WIRE)
- APPARATUS RODS, SOCKETS & CLAMPS, 2-36" & 1-39"
- MISER CORNERS
- BASE FLUSH W/CABINET NOTCHED KICK
- MFR: SHELDON GENERAL EQUIPMENT MANUFACTURERS
- MFR: FLINN SCIENTIFIC, INC. W/ISOLATION COMP. \*SE8071



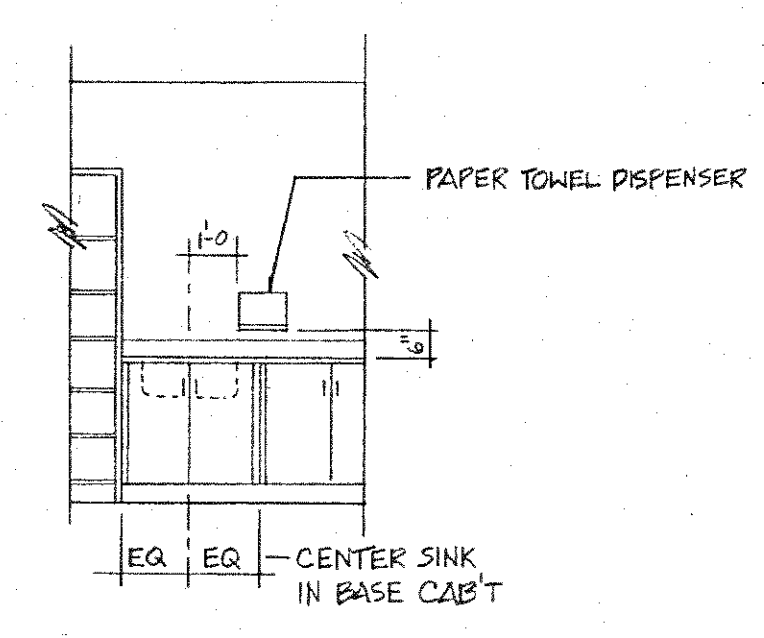
PLAN - AREA "A"  
1/8" = 1'-0"



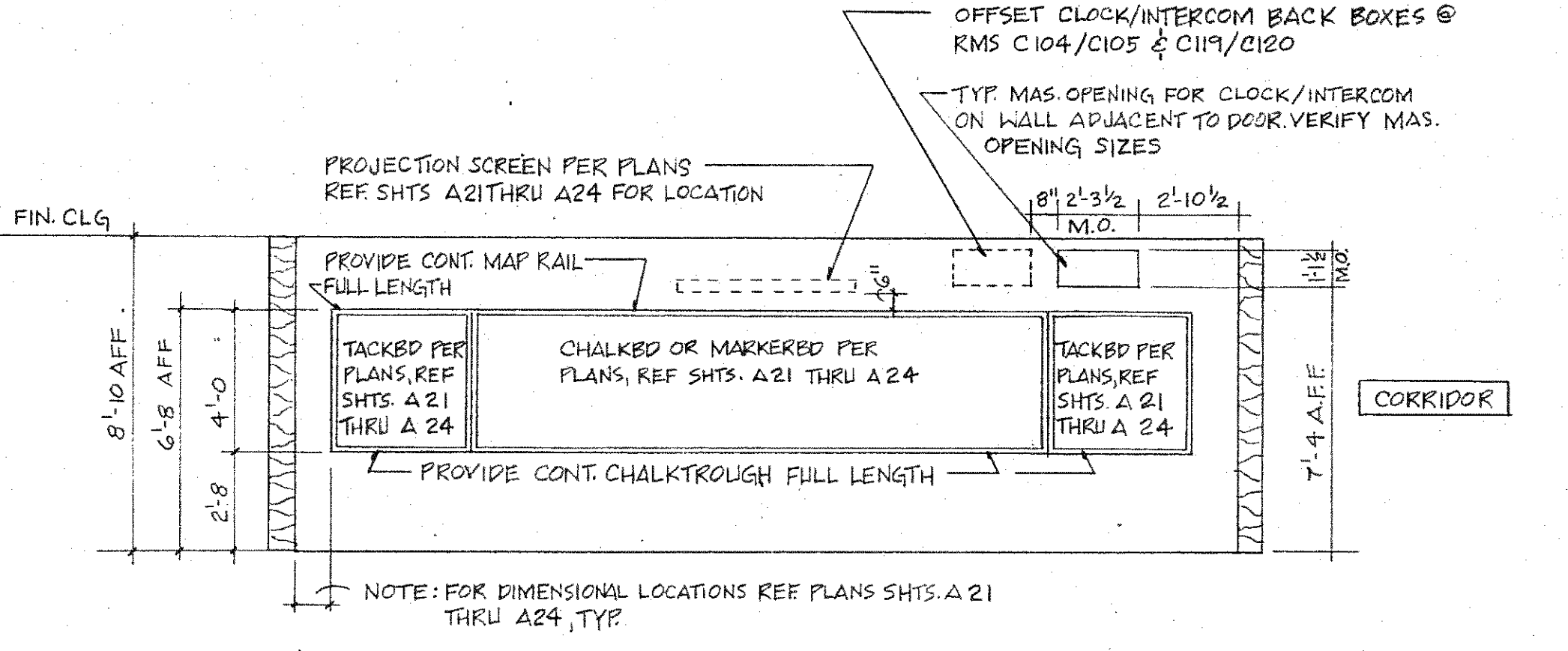
5 OPERABLE PARTITION - RM DI44  
1/4" = 1'-0"



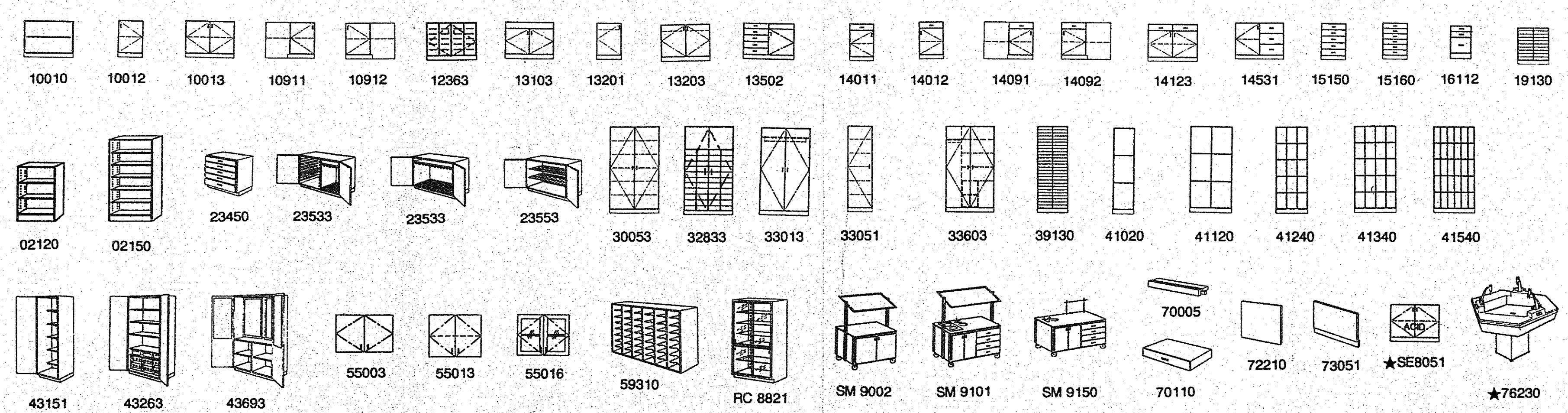
4 OPERABLE PARTITION - RM DI43  
1/4" = 1'-0"



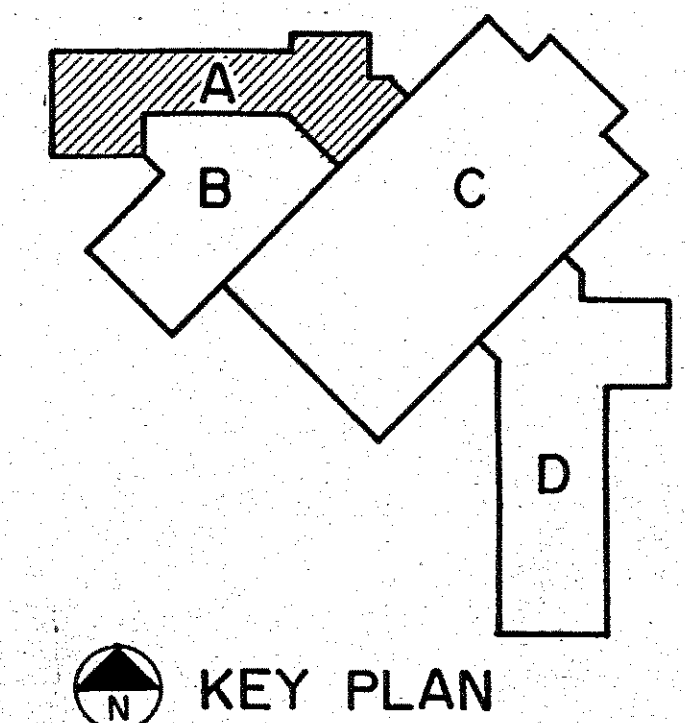
3 6TH GRD SINK ELEV  
1/4" = 1'-0"



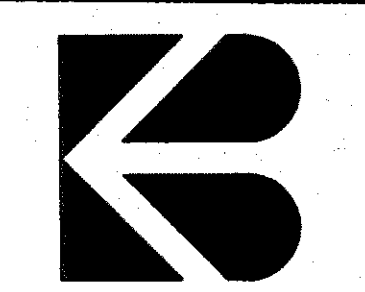
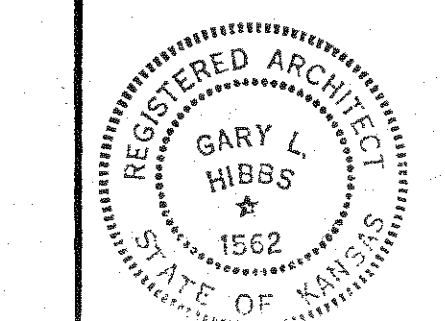
2 TYPICAL CHALKBD / MARKERBD / TACKBD ELEV  
1/4" = 1'-0"



TYPICAL MANUFACTURED CASEWORK ELEVATIONS



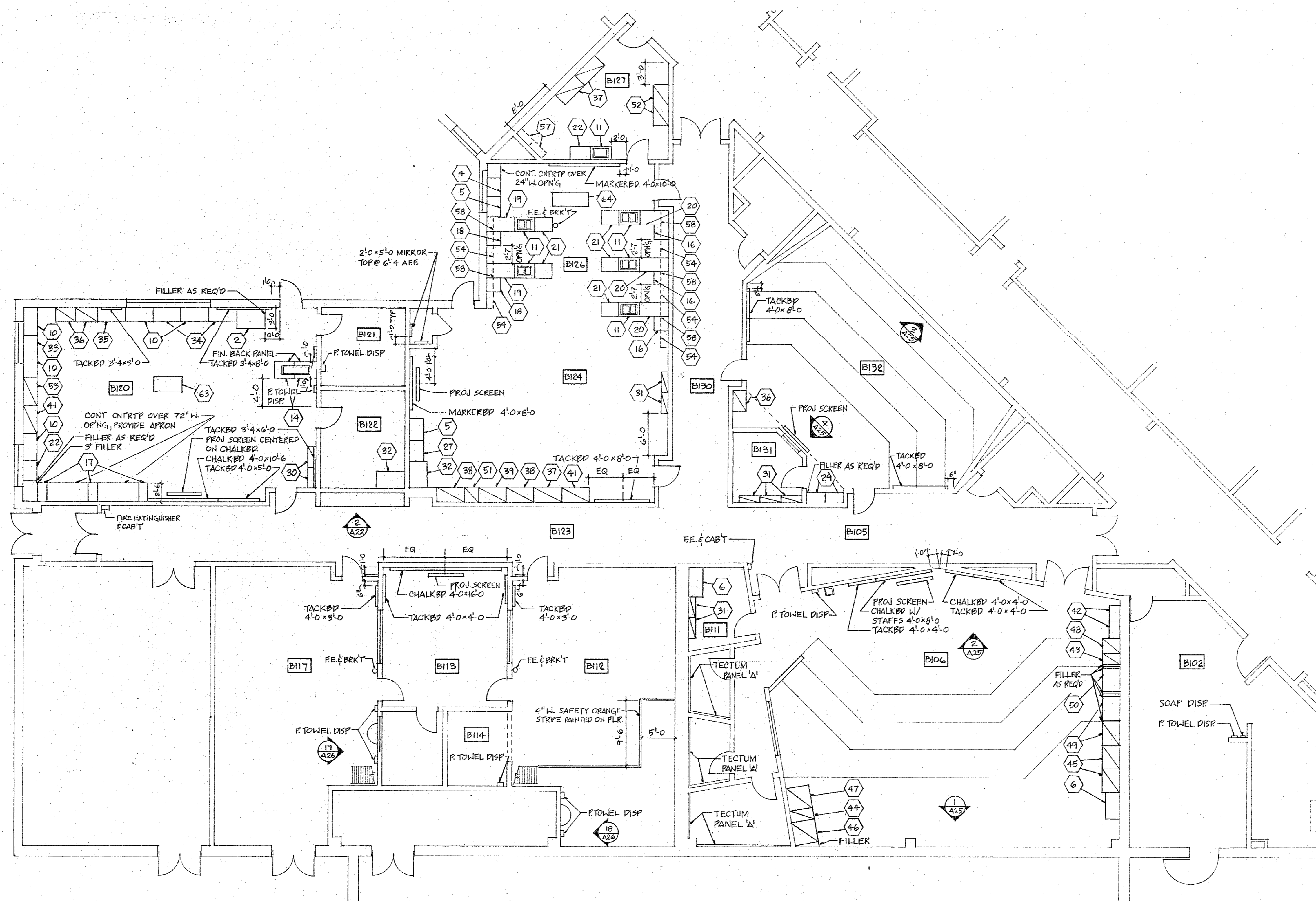
KEY PLAN



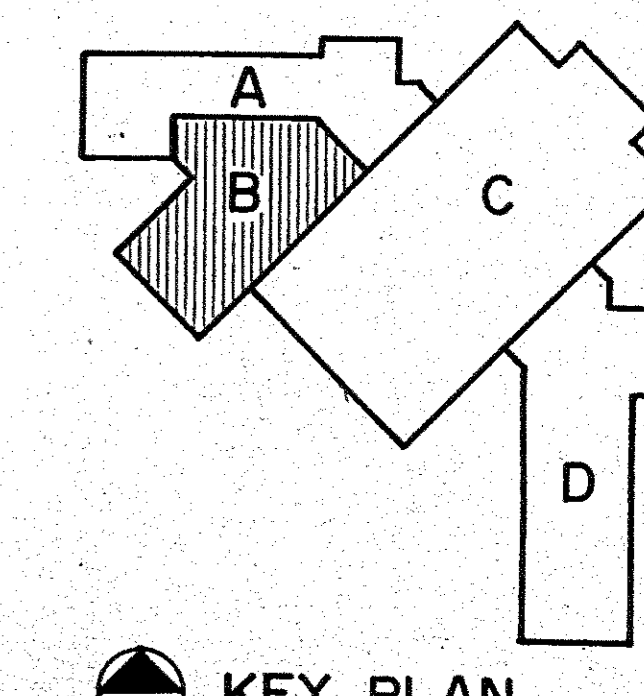
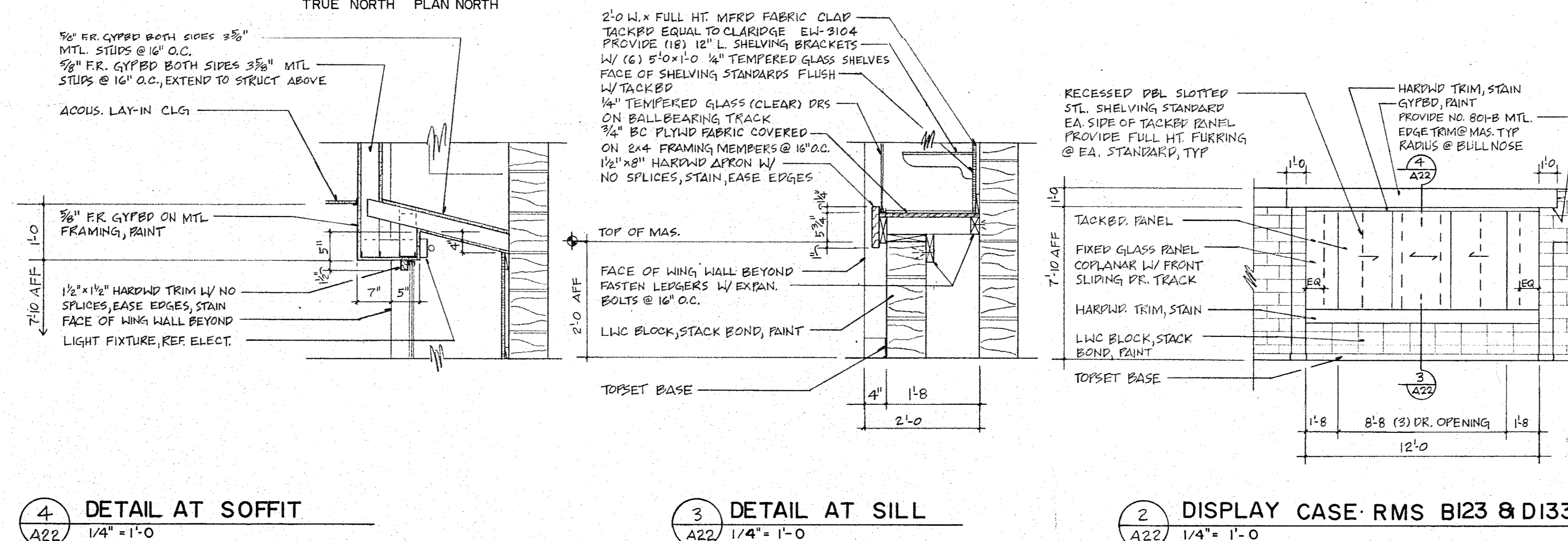
MANUFACTURED CASEWORK SCHEDULE

RM# B106				
MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
6	DOOR BASE	10013	473625	1
42	FOLIO CABINET	39130	308418	
43	INSTRUMENT CABINET	41020	208430	4
44	INSTRUMENT CABINET	41020	208440	4
45	INSTRUMENT CABINET	41120	408430	4
46	INSTRUMENT CABINET	41120	408440	4
47	INSTRUMENT CABINET	41240	408440	4
48	INSTRUMENT CABINET	41340	408430	4
49	INSTRUMENT CABINET	41340	408430	4
50	INSTRUMENT CABINET	41540	408430	4
RM# B111				
6	DOOR BASE	10013	473625	
31	BOOK CASE	02150	358412	
RM# B120				
2	OPEN BASE	10010	473030	
10	TOTE TRAY BASE	12363	473625	1, 3
14	SINK BASE	13203	353625	
17	DOOR/DRAWER BASE	14012	163625	5
22	DOOR/DRAWER BASE	14123	353625	5
30	BOOK CASE	02120	353612	
33	DRAWING BD. BASE	23533	363625	1, 8
34	DRAWING BD. BASE	23533	473625	1, 7
35	DAMP STORAGE BASE	23513	473625	
36	TALL CABINET	30053	358425	6
41	WARDROBE	33603	478425	1
53	TOOL CABINET	43693	478425	1
63	MOBILE DEMO UNIT	SH9002	483625	
RM# B122				
32	MAP BASE	23450	473630	
RM# B124				
5	DOOR BASE	10013	353625	
27	DRAWER BASE	15150	353625	
31	BOOK CASE	02150	358412	
32	MAP BASE	23450	473630	
37	TALL CABINET	30053	478425	
38	TOTE TRAY CABINET	32833	478425	3
39	WARDROBE	33013	478425	
41	WARDROBE	33603	478425	1
51	IRON CABINET	43151	248425	
RM# B126				
4	DOOR BASE	10013	303625	
5	DOOR BASE	10013	353625	
11	SINK BASE	13103	353625	
16	DOOR/DRAWER BASE	14011	243625	
18	DOOR/DRAWER BASE	14012	243625	
19	CORNER BASE	14091	473625	
20	CORNER BASE	14092	473625	
21	DOOR/DRAWER BASE	14123	303625	
54	WALL CABINET	55003	302013	
58	WALL CABINET	55013	473013	
64	MOBILE DEMO UNIT	SH9101	603625	
RM# B127				
11	SINK BASE	13103	353625	
22	DOOR/DRAWER BASE	14123	353625	
37	TALL CABINET	30053	478425	
52	TOOL CABINET	43263	378425	1
57	WALL CABINET	55013	353013	
RM# B131				
31	BOOK CASE	02150	358412	
RM# B132				
29	FOLIO BASE	19130	303618	
36	TALL CABINET	30053	358425	

- NOTES:
- DOOR LOCKS
  - DRAWER LOCKS
  - 10" X 4" X 1 1/2" TOTE TRAYS INCLUDED
  - WIRE GRILL DOORS, NUMBER PLATE, PADLOCK HASP
  - CAST EPOXY RESIN COUNTERTOP
  - 8 ADJUSTABLE SHELVES
  - MODIFIED FOR 18" X 24" X 1" DRWG. BDS. VERT.
  - MODIFIED FOR 18" X 24" X 1" DRWG. BDS. VERT. & HORIZ.
  - SLIDING GLASS DOOR LOCKS
  - DECORATIVE LAMINATE INTERIOR
  - STOODS LIGHT & VALANCE (HARD WIRE)
  - APPARATUS RODS, SOCKETS & CLAMPS, 2-36" & 1-39"
  - MITER CORNERS
  - BASE FLUSH W/ CABINET NOTCHED KICK
  - MFR: SHELDON GENERAL EQUIPMENT MANUFACTURERS
  - MFR: FLINN SCIENTIFIC, INC. W/ISOLATION COMP. \*SE8071



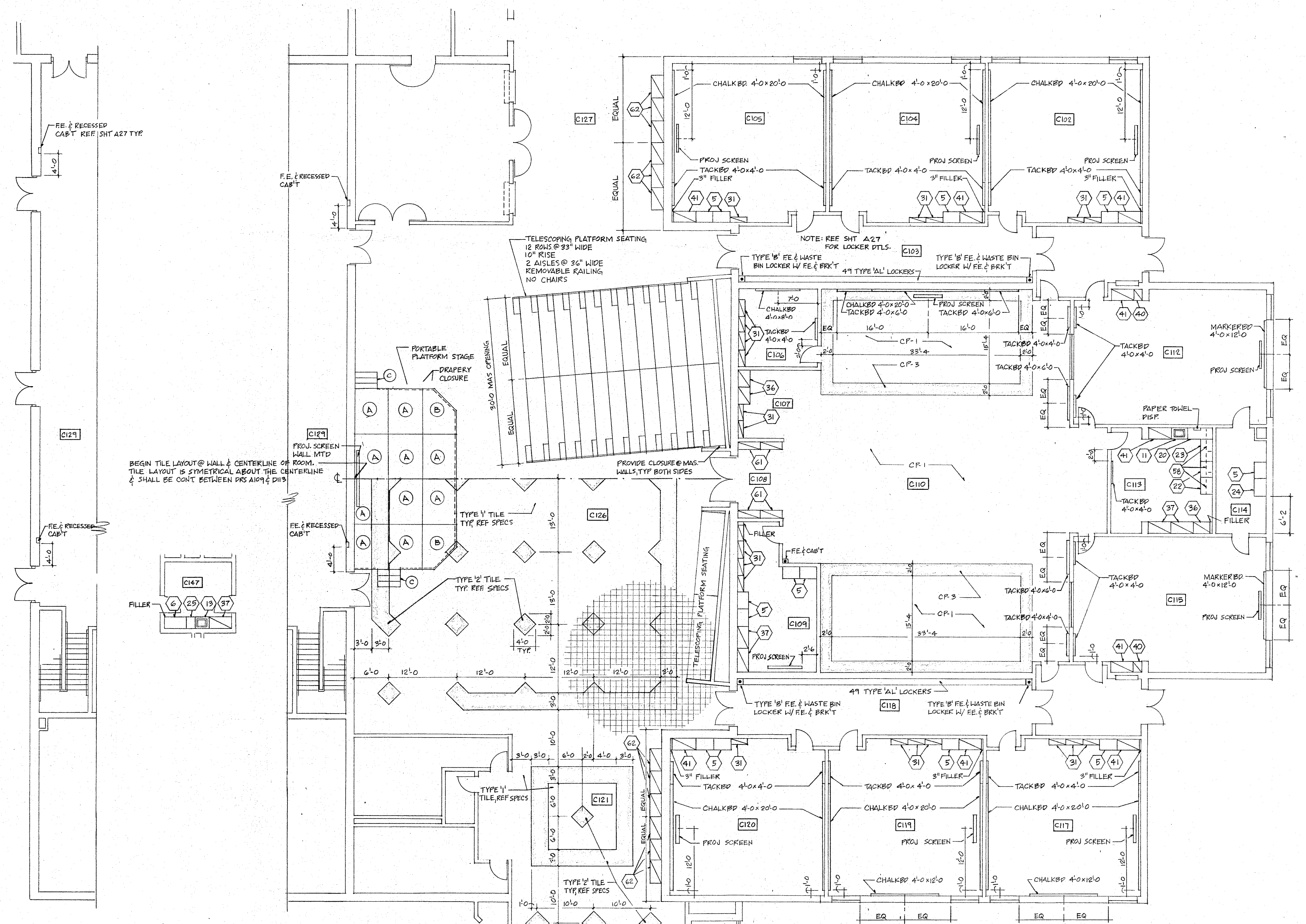
PLAN - AREA "B"  
1/8" = 1'-0"  
TRUE NORTH PLAN NORTH



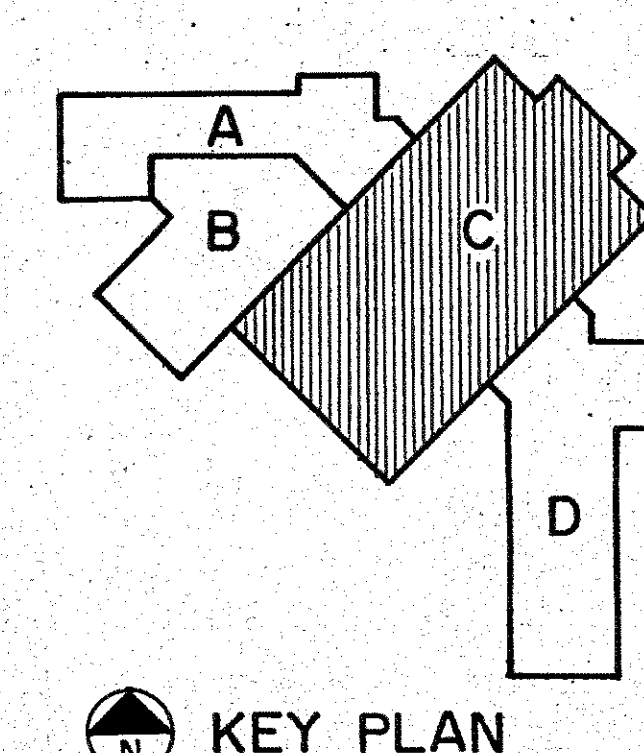
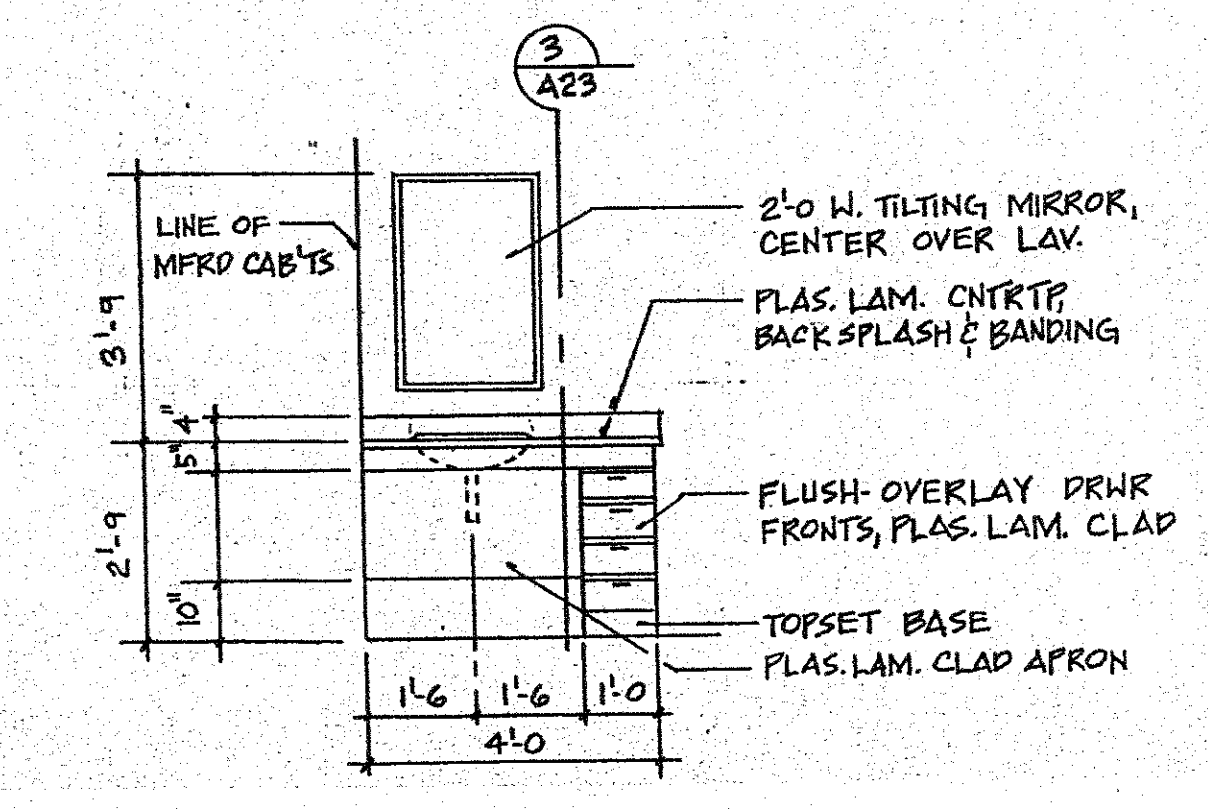
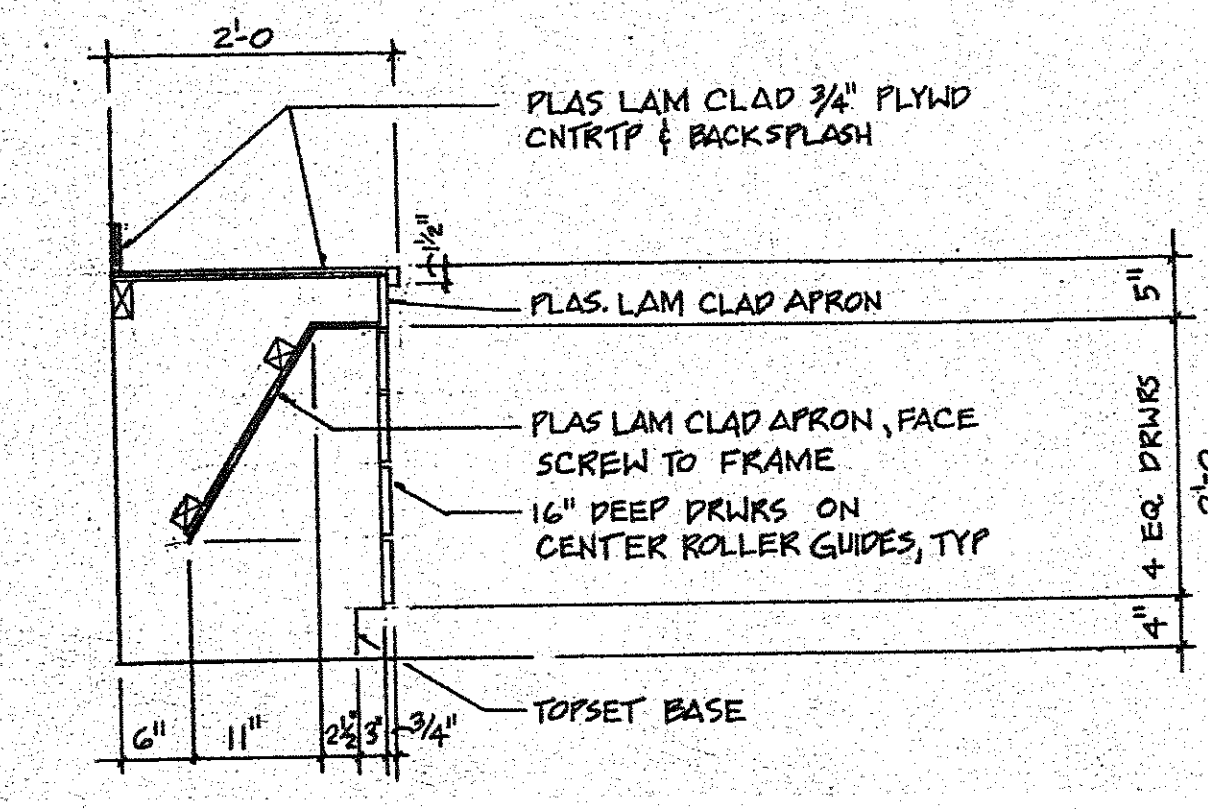
MANUFACTURED CASEWORK SCHEDULE

RM# C102,C104,C105,C117,C119,C120				
MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
5	DOOR BASE	10013	353625	
31	BOOK CASE	02150	358412	
41	WARDROBE	33603	478425	1
RM# C106				
31	BOOK CASE	02150	358412	
RM# C107				
31	BOOK CASE	02150	358412	
36	TALL CABINET	30053	358425	1
RM# C108				
61	DISPLAY CASE	RC8821	478416	9,10,11
RM# C109				
5	DOOR BASE	10013	358425	1
31	BOOK CASE	02150	358412	
37	TALL CABINET	30053	478425	1
RM# C112,C115				
40	TALL CABINET	33051	168425	
41	WARDROBE	33603	478425	1
RM# C113				
11	SINK BASE	13103	353625	
20	CORNER BASE	14092	473625	
22	DOOR/DRAWER BASE	14123	353625	
23	DOOR/DRAWER BASE	14123	473625	
36	TALL CABINET	30053	358425	
37	TALL CABINET	30053	478425	
41	WARDROBE	33603	478425	1
58	WALL CABINET	55013	473013	
RM# C114				
5	DOOR BASE	10013	353625	
24	DOOR/DRAWER BASE	14531	353625	
RM# C121,C127				
61	DISPLAY CASE	RC8821	478425	9,10,11
RM# C147				
6	DOOR BASE	10013	473625	
13	SINK BASE	13203	303625	
25	DRAWER BASE	15150	183625	2
37	TALL CABINET	30053	478425	1

- NOTES:
- DOOR LOCKS
  - DRAWER LOCKS
  - 10" X 4" X 19" TOTE TRAYS INCLUDED
  - WIRE GRILL DOORS, NUMBER PLATE, PADLOCK HASP
  - CASE FRONT RESIN COUNTERTOP
  - 8 ADJUSTABLE SHELVES
  - MODIFIED FOR 18" X 24" X 1" DRWG. BDS. VERT.
  - MODIFIED FOR 18" X 24" X 1" DRWG. BDS. VERT. & HORIZ.
  - SLIDING GLASS DOOR LOCKS
  - DECORATIVE LAMINATE INTERIOR
  - #7000S LIGHT & VALENCE (HARD WIRE)
  - APPARATUS RODS, SOCKETS & CLAMPS, 2-36" & 1-39"
  - MITER CORNERS
  - BASE FLUSH W/CABINET NOTCHED KICK
  - MFR: SHELDON GENERAL EQUIPMENT MANUFACTURERS
  - MFR: FLINN SCIENTIFIC, INC. W/ISOLATION COMP. \*SE8071



- PORTABLE PLATFORM STAGE SCHEDULE
- (A) 6'-0" x 8'-0" STANDARD PORTABLE STAGE PLATFORM
  - (B) 6'-0" x 8'-0" SPECIAL SHAPE
  - (C) 3 STEP STAIRS



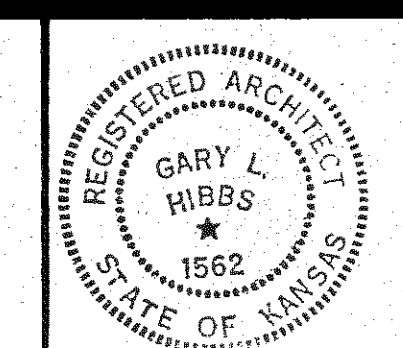
PARTIAL PLAN - AREA C  
1/8" = 1'-0"  
TRUE NORTH PLAN NORTH

SECTION - VANITY  
3/4" = 1'-0"

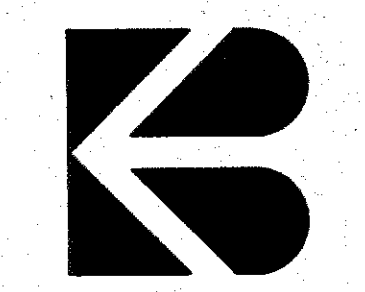
VANITY ELEVATION  
3/4" = 1'-0"

MIDDLE SCHOOL  
WAMEGO U.S.D. 320

INTERIOR DETAILS - AREA "C"



KIENE & BRADLEY DESIGN GROUP - AIA  
CHARTERED  
ARCHITECTS  
TOPEKA  
INTERIOR ARCHITECTURE  
KANSAS



JOB NO. 89-36  
DATE 4-8-91  
REVISION

SHEET NO.  
A23

MANUFACTURED CASEWORK SCHEDULE

MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
1	OPEN BASE	10010	353625	
11	SINK BASE	13103	353625	
22	DOOR/DRAWER BASE	14123	353625	
23	DOOR/DRAWER BASE	14123	473625	
55	WALL CABINET	55003	351513	
57	WALL CABINET	55013	353013	
60	WALL BOX	55310	724618	

MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
23	DOOR/DRAWER BASE	14123	473625	1

MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
15	SINK COMB. BASE	13502	473625	
59	WALL CABINET	55016	473013	1

MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
11	SINK BASE	13103	353625	
21	DOOR/DRAWER BASE	14123	303625	
36	TALL CABINET	30053	358425	
41	WARDROBE	33603	478425	1
55	WALL CABINET	55003	303013	
56	WALL CABINET	55003	351513	
56	WALL CABINET	55013	303013	

MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
6	DOOR BASE	10013	473625	5
7	CORNER BASE	10911	473625	5
8	CORNER BASE	10912	473625	5
9	TOTE TRAY BASE	12363	353625	3,5
14	SINK BASE	13203	353625	5, 16
23	DOOR/DRAWER BASE	14123	473625	5, 12
25	DRAWER BASE	15150	183625	2, 5
26	DRAWER BASE	15150	243625	5
31	BOOK CASE	02150	358412	1
37	TALL CABINET	30053	358425	1
66	FILE DRAWER	16112	163025	2, 5
67	APRON DRAWER	70110	240425	2, 5
68	MOUSEPIT PANEL	2424	2424	1
69	LEG PANEL	73051	--36--	13, 14
71	TRIFACIAL LAB CENTER	*76230	5522--	15

MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
5	DOOR BASE	10013	353625	5
7	CORNER BASE	10911	473625	5, 17
8	CORNER BASE	10912	473625	5
14	SINK BASE	13203	353625	5, 16
26	DRAWER BASE	15150	243625	2, 5
41	WARDROBE	33603	478425	1
59	WALL CABINET	55016	473013	1
66	MOBILE DEMO UNIT	603150	603625	5
70	CHEM/ACID BASE	*588051	313620	1, 16

MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
5	DOOR BASE	10013	353625	
31	BOOK CASE	02150	358412	1
41	WARDROBE	33603	478425	

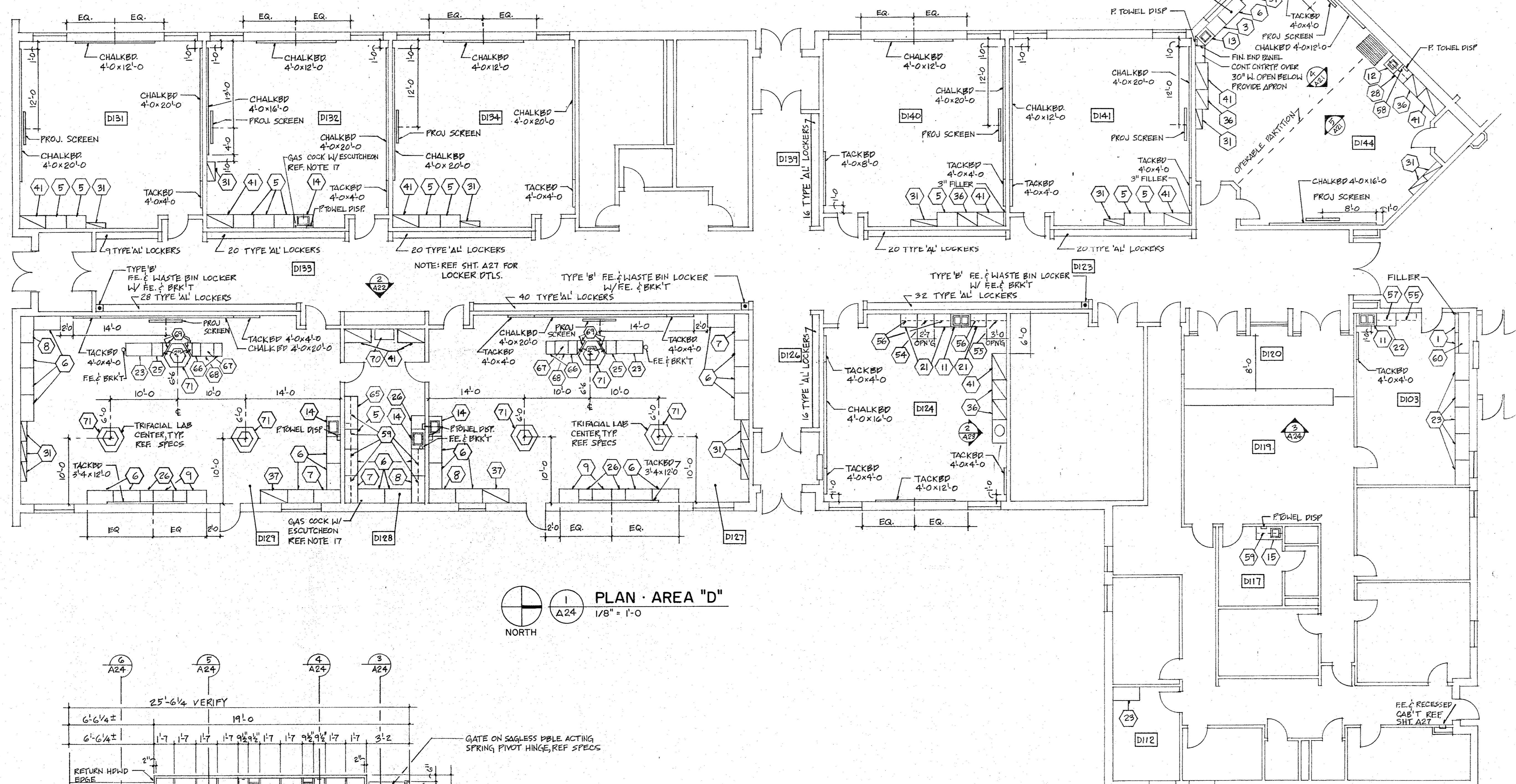
MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
5	DOOR BASE	10013	353625	5
14	SINK BASE	13203	353625	1, 5, 17
31	BOOK CASE	02150	358412	
41	WARDROBE	33603	478425	1

MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
5	DOOR BASE	10013	353625	
31	BOOK CASE	02150	358412	
36	TALL CABINET	30053	358425	1
41	WARDROBE	33603	478425	1

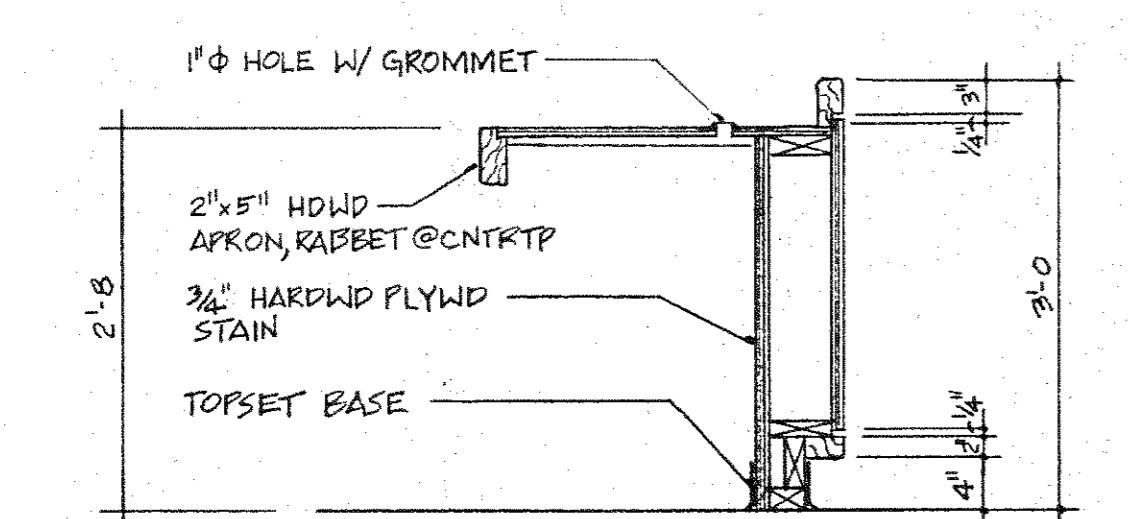
MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
3	DOOR BASE	10012	243625	
6	DOOR BASE	10013	473625	
13	SINK BASE	13203	303625	
31	BOOK CASE	02150	358412	
36	TALL CABINET	30053	358425	1
41	WARDROBE	33603	478425	1

MARK	ITEM	CATALOG NUMBER	DIMENSION W X H X D	NOTES
12	SINK BASE	13201	243625	
28	DRAWER BASE	15160	243625	
31	BOOK CASE	02150	358412	
36	TALL CABINET	30053	358425	1
41	WARDROBE	33603	478425	1
58	WALL CABINET	55013	473013	

- NOTES:
- DOOR LOCKS
  - DRAWER LOCKS
  - 10" X 4" X 19" TOTE TRAYS INCLUDED
  - WIRE GRILL DOORS, NUMBER PLATE, PADLOCK HASP
  - CASP EPOXY RESIN COUNTERTOP
  - 8 ADJUSTABLE SHELVES
  - MODIFIED FOR 18" X 24" X 1" DRWG. BDS. VERT.
  - MODIFIED FOR 18" X 24" X 1" DRWG. BDS. VERT. & HORIZ.
  - SLIDING GLASS DOOR LOCKS
  - DECORATIVE LAMINATE INTERIOR
  - #700DS LIGHT & VALENCE (HARD WIRE)
  - APPARATUS BODS, SOCKETS & GLAMES, 2-36" & 1-39"
  - MITER CORNERS
  - BASE FLUSH W/ CABINET NOTCHED KICK
  - REF: SHELTON GENERAL EQUIPMENT MANUFACTURERS
  - REF: PLINN SCIENTIFIC, INC. W/ISOLATION COMP. \*58071
  - DECK MOUNTED GAS COCK - LYLE MODEL NO. 2.4110-00
  - EPOXY RESIN SINK - LYLE MODEL NO. 45
  - SINK OVERSIT - LYLE MODEL NO. 80-3
  - DECK MOUNTED MIXING FAUCET - LYLE MODEL NO. 1.1118-25

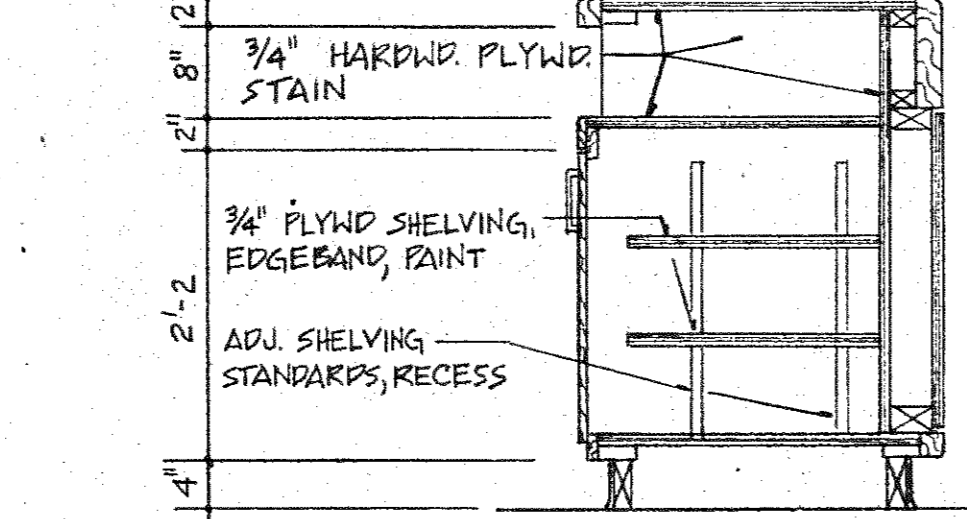


2 RECEPTION COUNTER - RM D120  
1/4" = 1'-0"

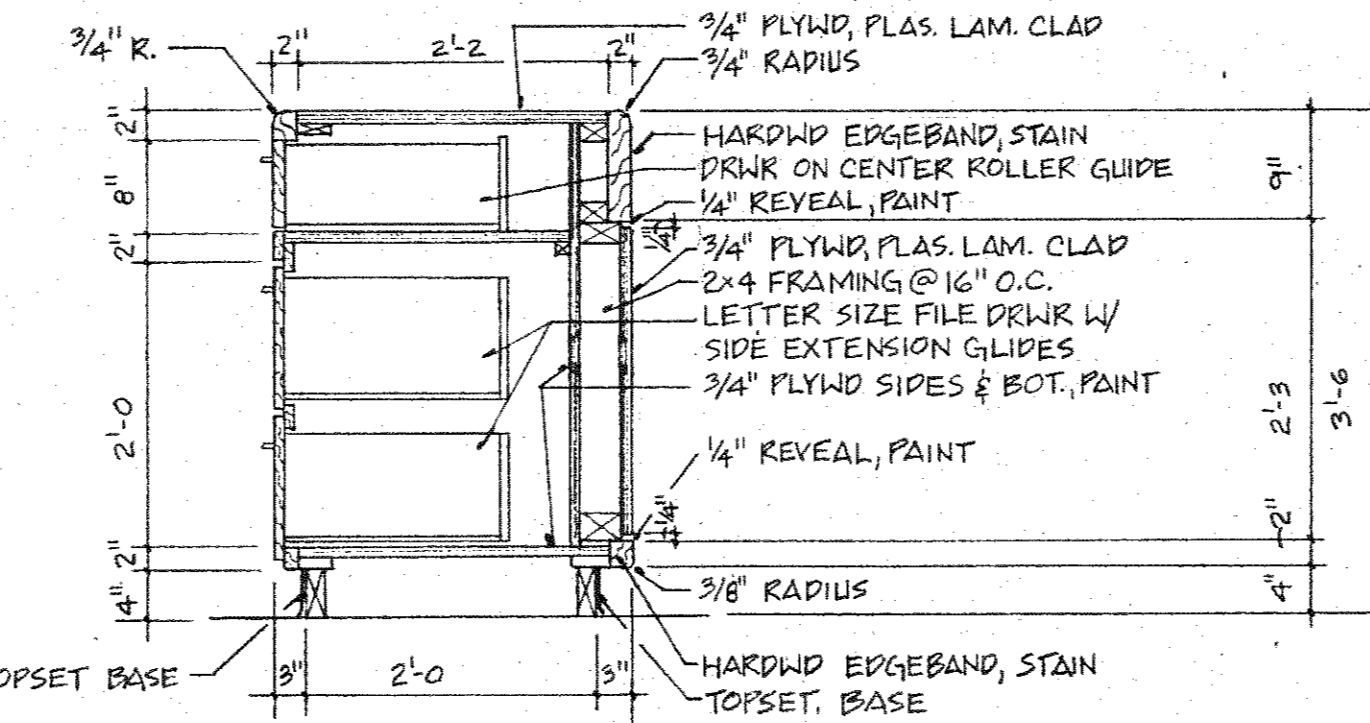


6 DETAIL AT DESK  
3/4" = 1'-0"

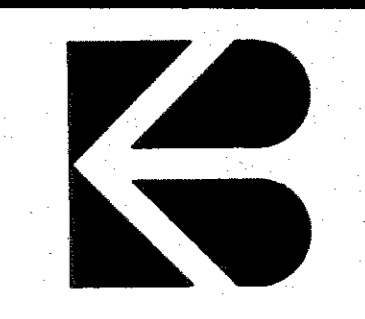
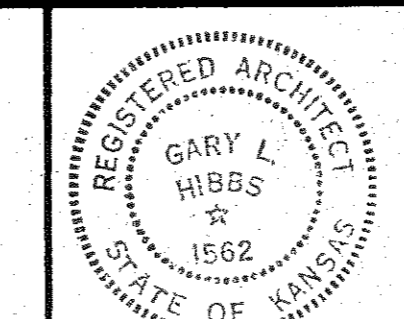
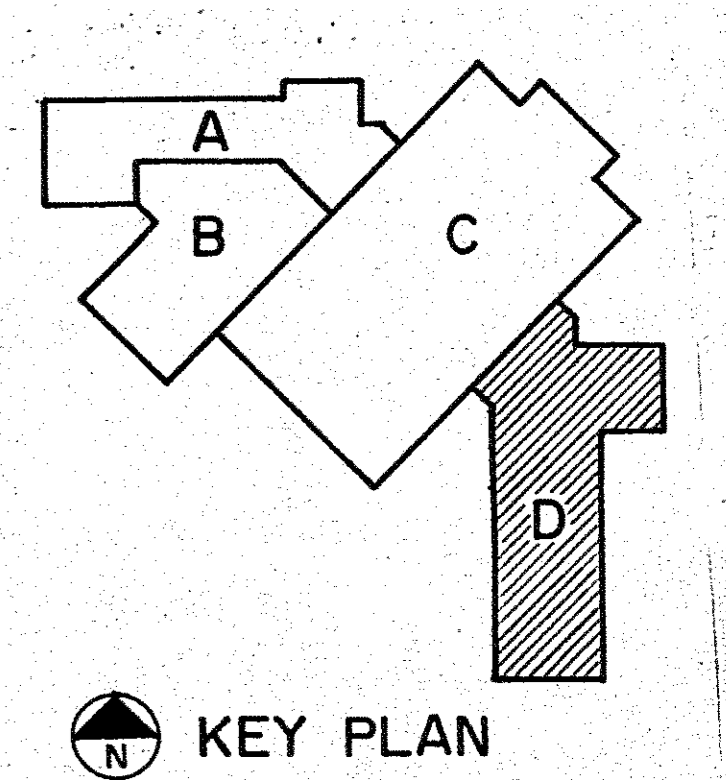
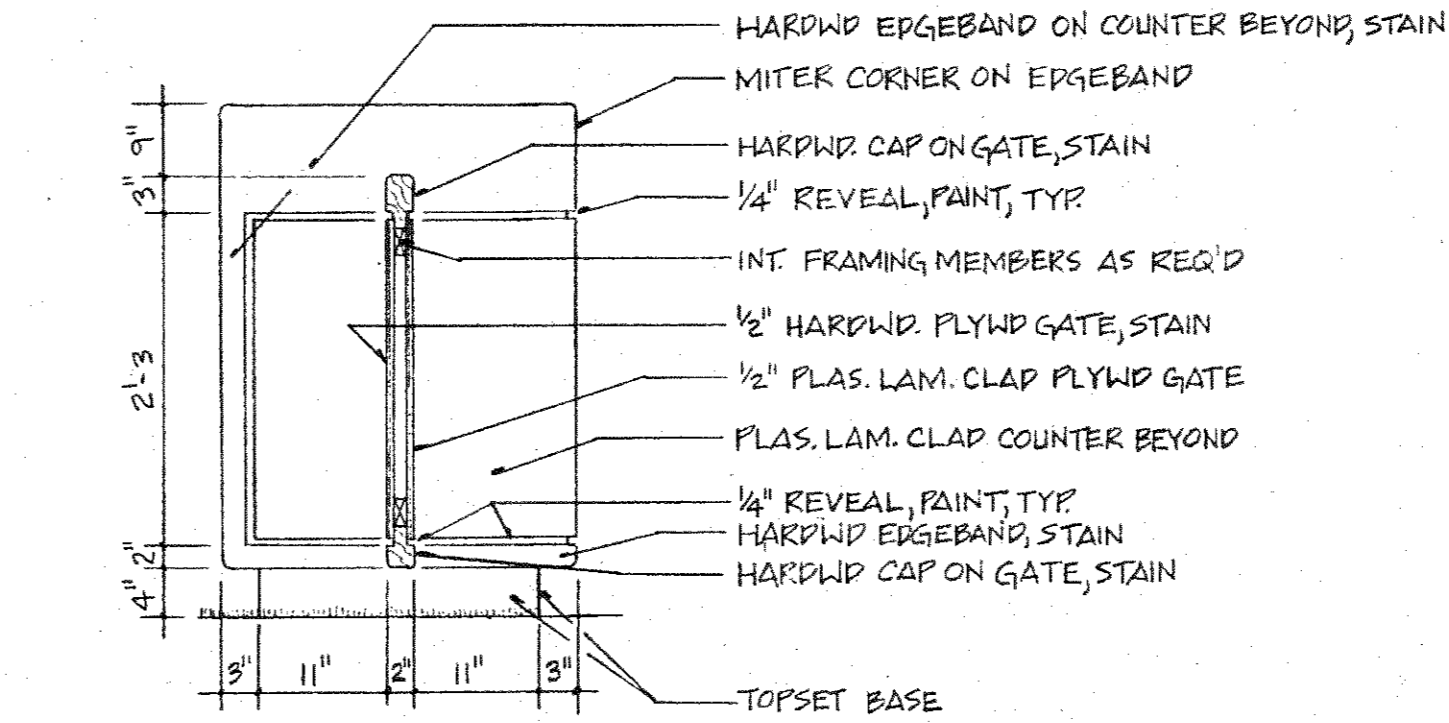
5 DETAIL AT DOORS  
3/4" = 1'-0"

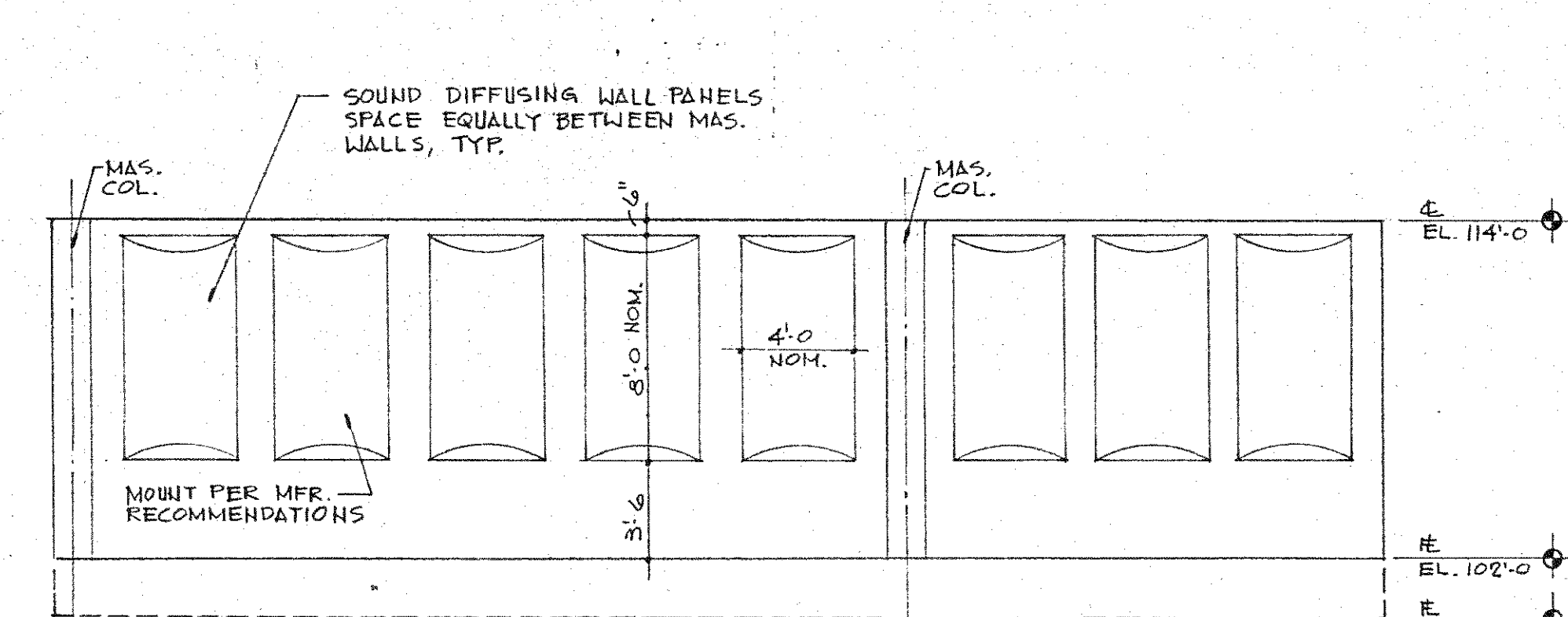
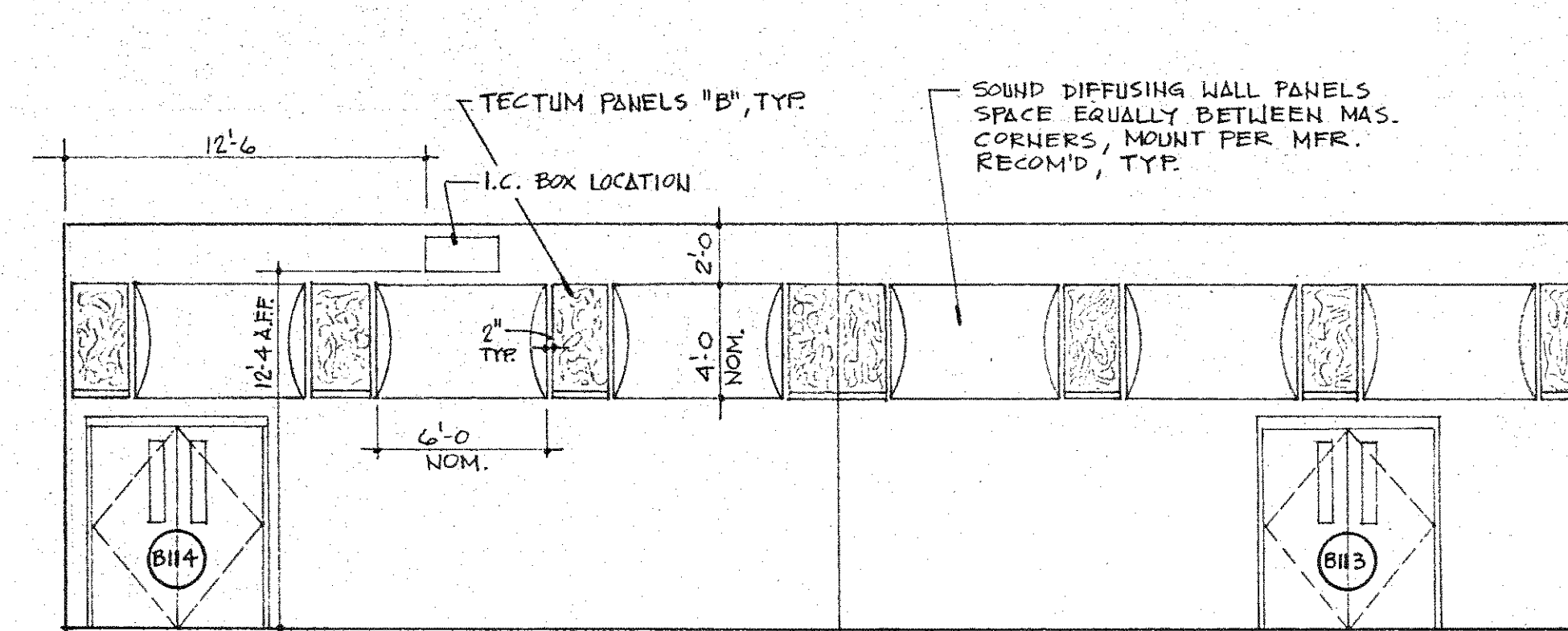
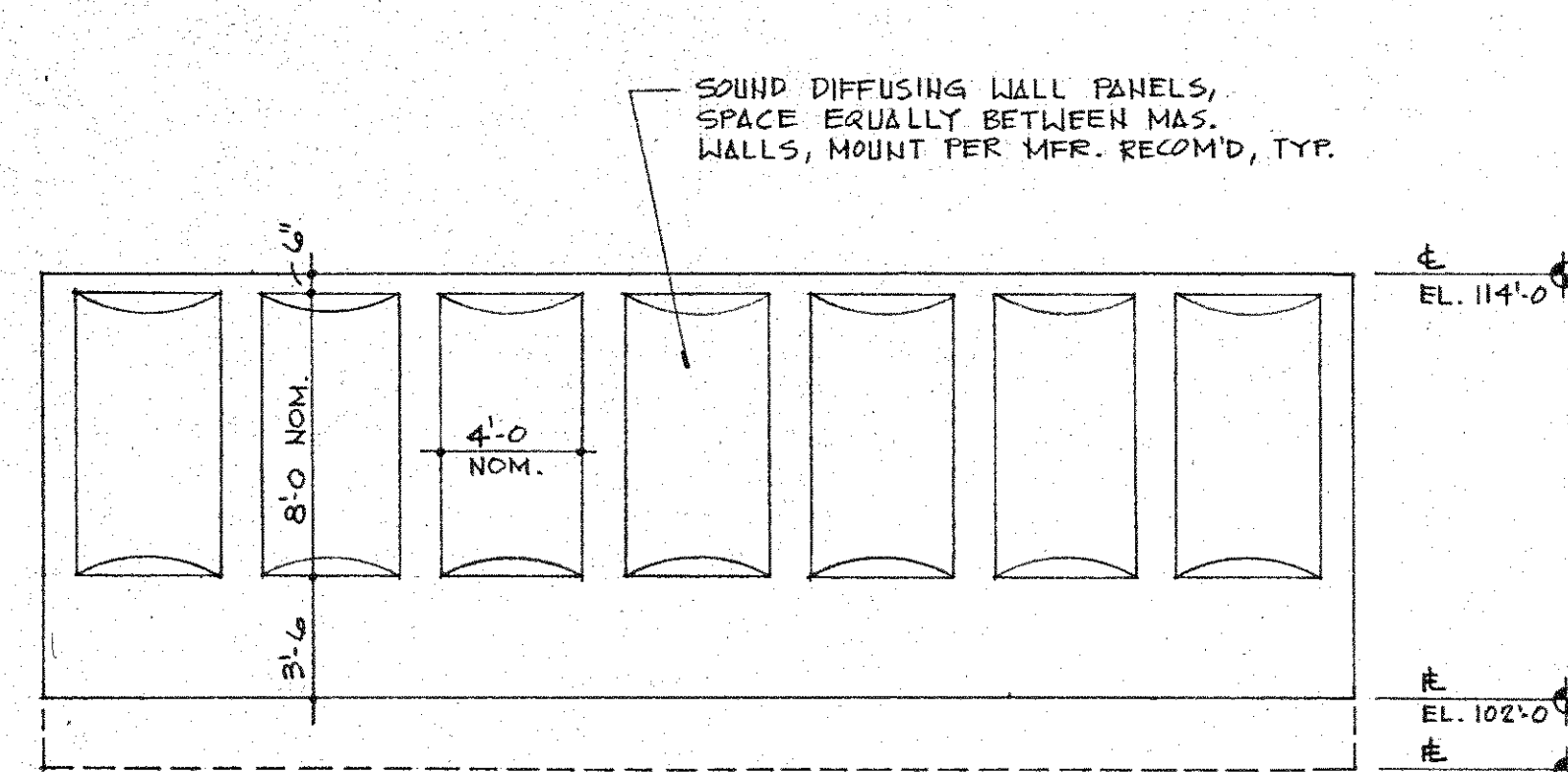
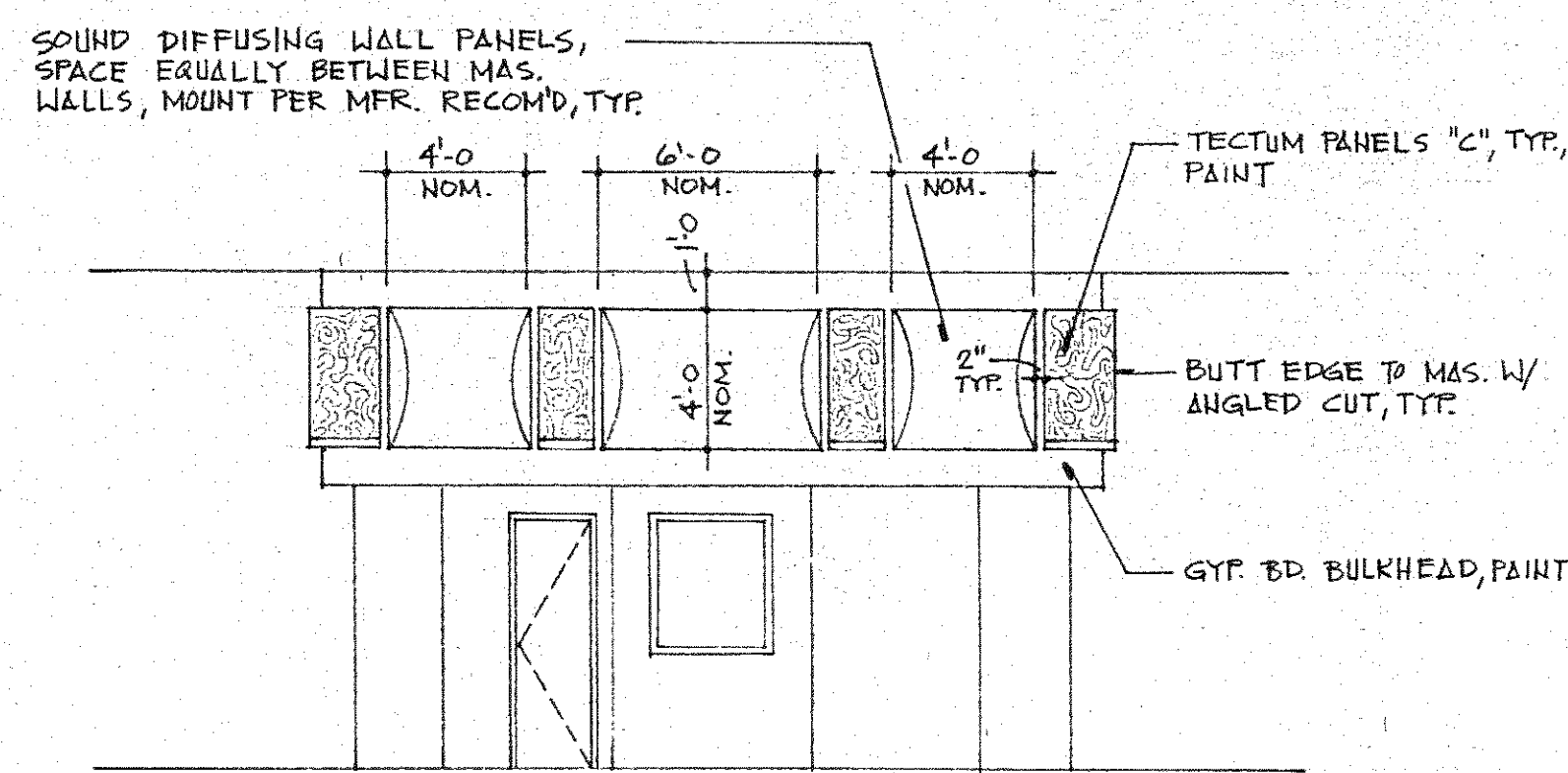


4 DETAIL AT DRAWER  
3/4" = 1'-0"



3 DETAIL AT GATE  
3/4" = 1'-0"



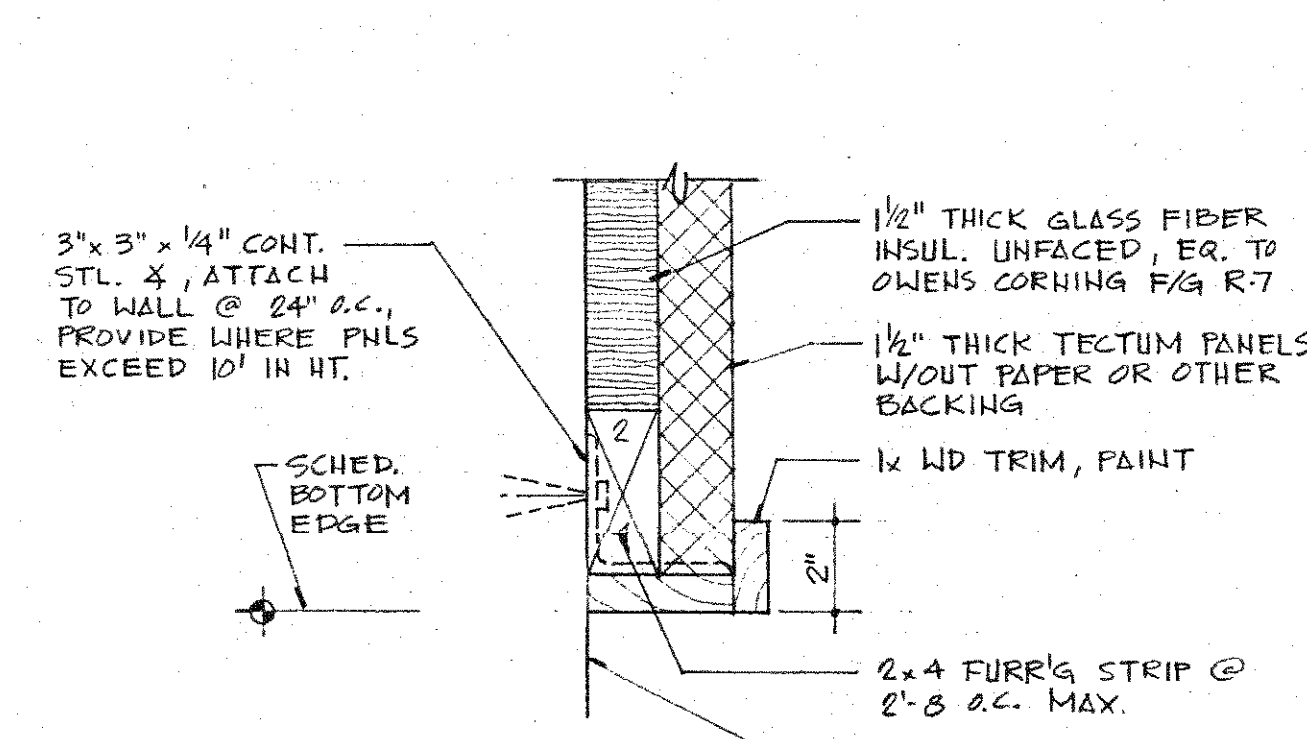
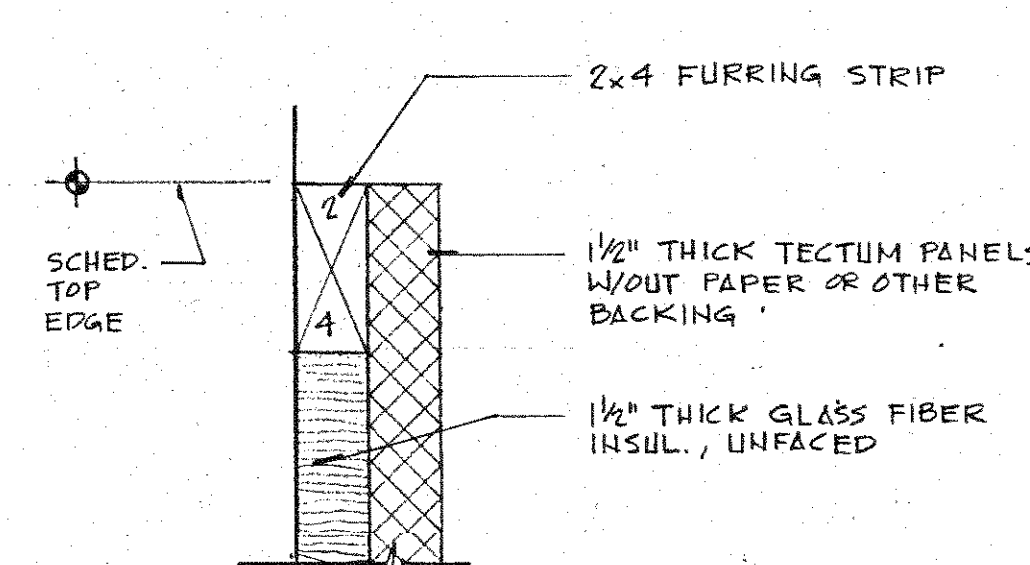
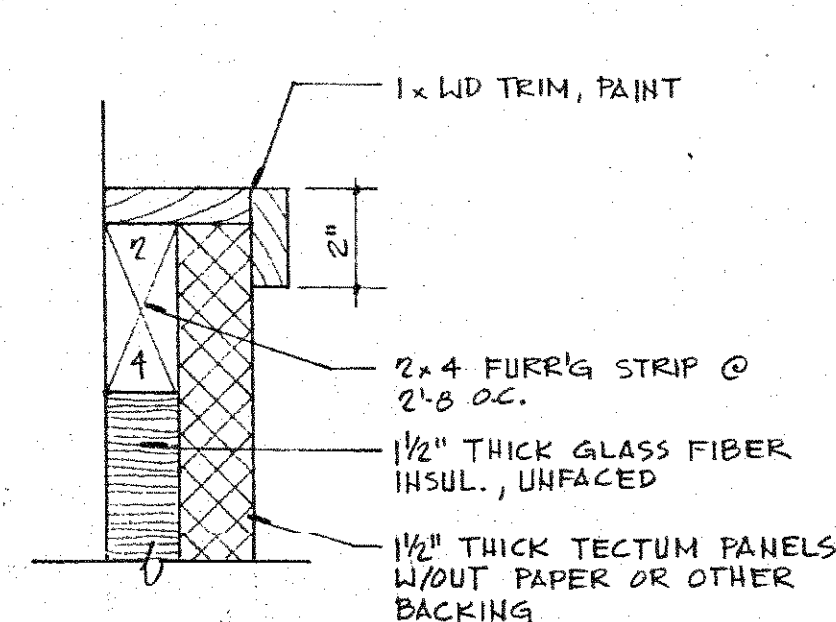
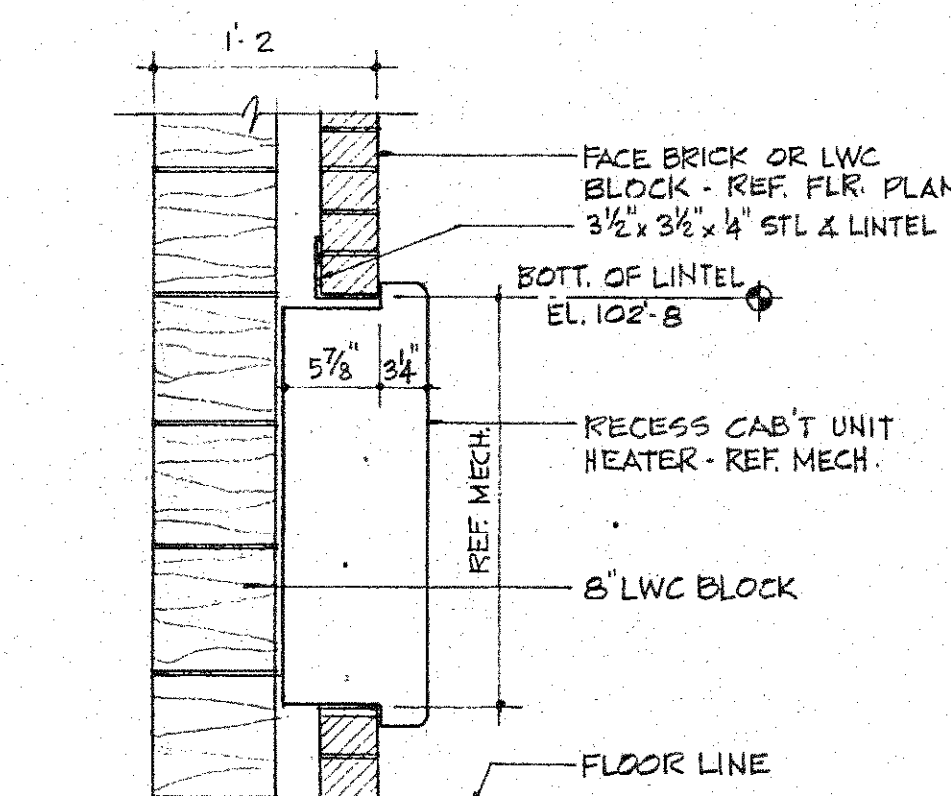
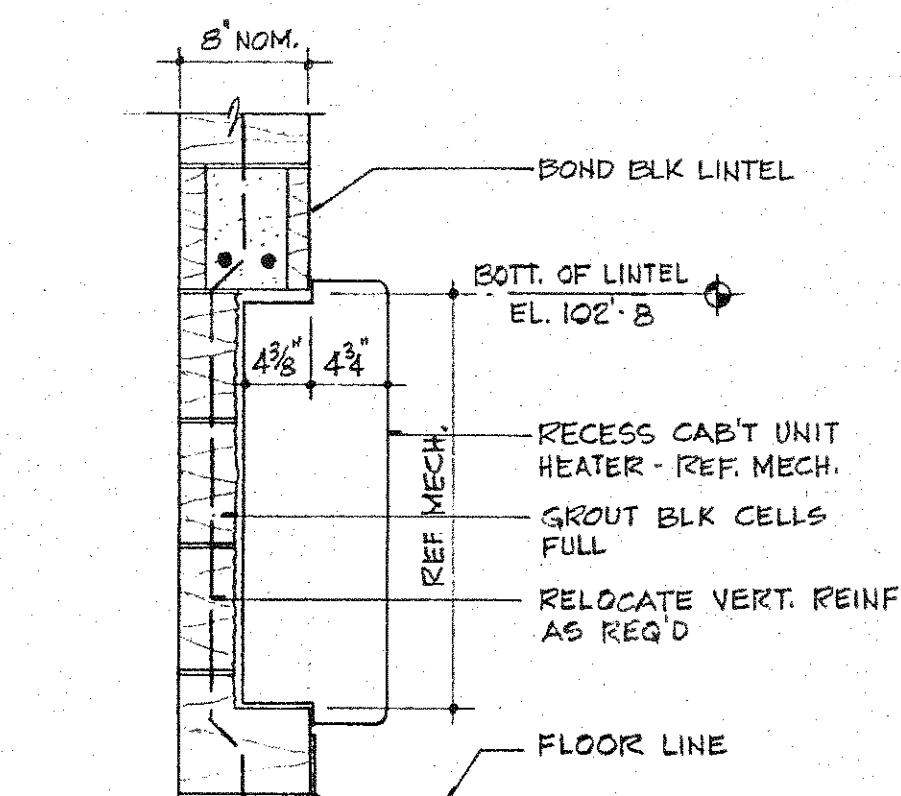


4 SOUND DIFFUSER PANELS - RM BI32 (SOUTH)  
3/16" = 1'-0"

3 SOUND DIFFUSER PANELS - RM BI32 (NORTH)  
3/16" = 1'-0"

2 SOUND DIFFUSER/ABSORB. PANELS - RM BI06 (NORTH)  
3/16" = 1'-0"

1 SOUND DIFFUSER PANELS - ROOM BI06 (SOUTH)  
3/16" = 1'-0"



AT RMS A118, A102, D102, D125

AT RMS A101, C101, C116, D101

9 RECESSED CABINET UNIT HEATER  
1" = 1'-0"

8 TECTUM EDGE PANEL  
3" = 1'-0"

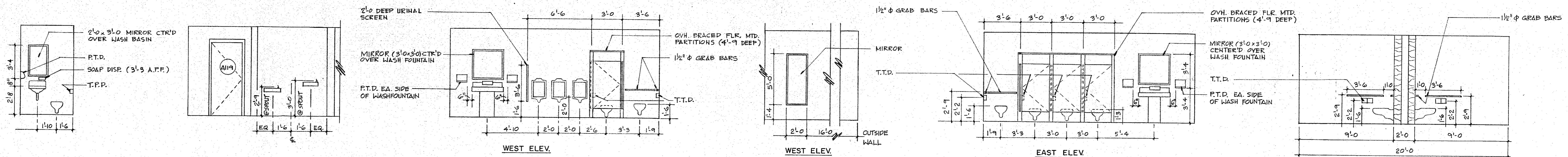
7 TECTUM TOP EDGE DTL.  
3" = 1'-0"

6 TECTUM BOT. EDGE DTL.  
3" = 1'-0"

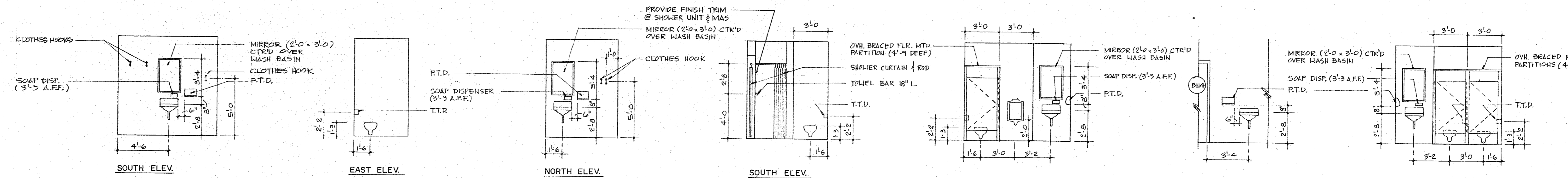
PANEL	ELEV. BOT.	ELEV. TOP	DETAIL		
			BOTTOM	SIDE	TOP
A	3'-2 A.F.F.	8'-6 A.F.F.	6/A25	BUTT	7/A25
B	8'-0 A.F.F.	12'-0 A.F.F.	6/A25	7/A25 SIM.	7/A25
C	9'-0 A.F.F.	13'-0 A.F.F.	6/A25	7/A25 SIM.	7/A25
D	2'-8 A.F.F.	12'-8 A.F.F.	6/A25	8/A25 BUTT	8/A25
E	2'-8 A.F.F.	8'-8 A.F.F.	6/A25	8/A25	8/A25
F	11'-8 A.F.F.	24'-0 A.F.F.	6/A25	8/A25	8/A25
G	REF. 2/A25	REF. 2/A25	6/A25	8/A25 BUTT	8/A25
H	2'-8/8'-8 A.F.F.	12'-8/15'-4 A.F.F.	6/A25	8/A25 BUTT	8/A25
J	14'-0 A.F.F.	18'-0 A.F.F.	6/A25	7/A25	7/A25
K	11'-8 A.F.F.	24'-0 A.F.F.	6/A25	BUTT	7/A25

NOTE: ALL ARCHITECTURAL ELECTRICAL & MECHANICAL EQUIP. TRIM SHALL BE MT'D ON THE SURFACE OF TECTUM PANELS UNLESS NOTED OTHERWISE. ALL EQUIP. BIASECTED BY EDGE TRIM SHALL BE FRAMED SIM. TO DTL. 6/A25 OR 8/A25

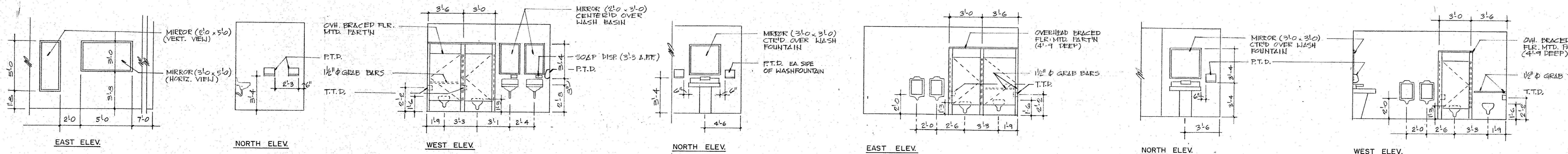
5 TECTUM SCHEDULE  
3/16" = 1'-0"



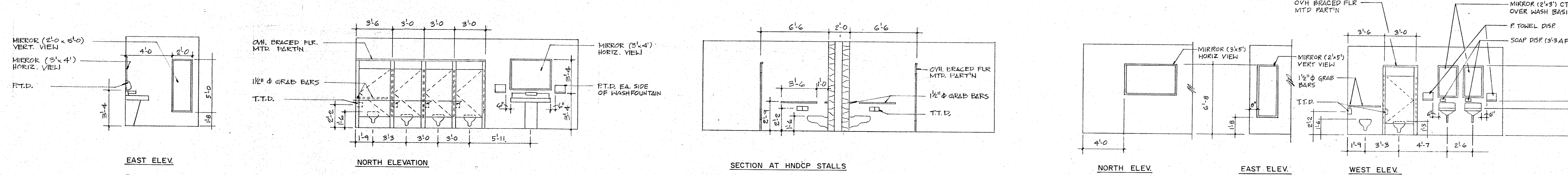
4 TL TLT RM A107 1/4" = 1'-0"  
 3 E.W.C. - CORR. A110 1/4" = 1'-0"  
 2 BOYS TLT RM A113 1/4" = 1'-0"  
 1 GIRLS TOILET RM A117 1/4" = 1'-0"



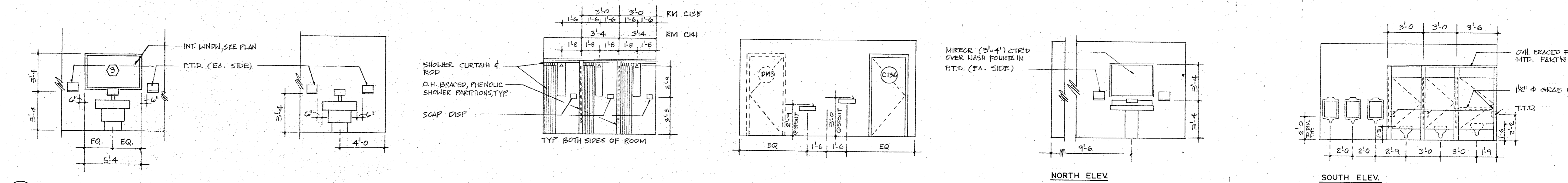
9 TOILET RM C153 (RM C139 REVERSED) 1/4" = 1'-0"  
 8 TOILET RM C146 1/4" = 1'-0"  
 7 BOYS TLT RM B133 1/4" = 1'-0"  
 6 INSTR. MUSIC B106 1/4" = 1'-0"  
 5 GIRLS TLT RM B129 1/4" = 1'-0"



12 TOILET RM C138 1/4" = 1'-0"  
 11 TOILET RM C155 1/4" = 1'-0"  
 10 TOILET RM C154 1/4" = 1'-0"

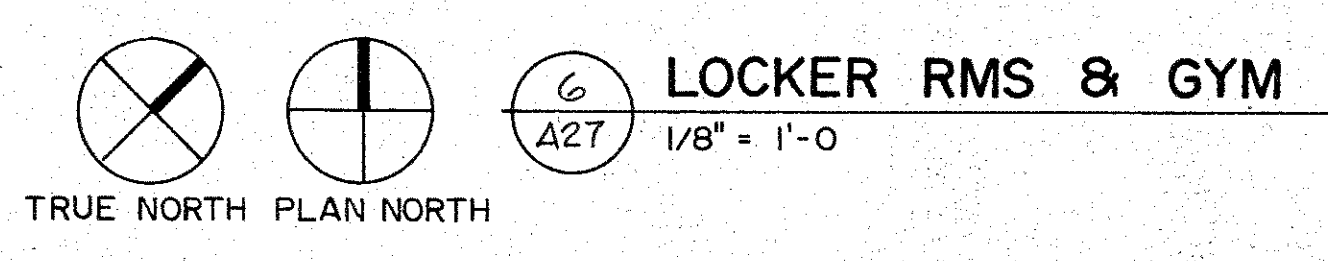
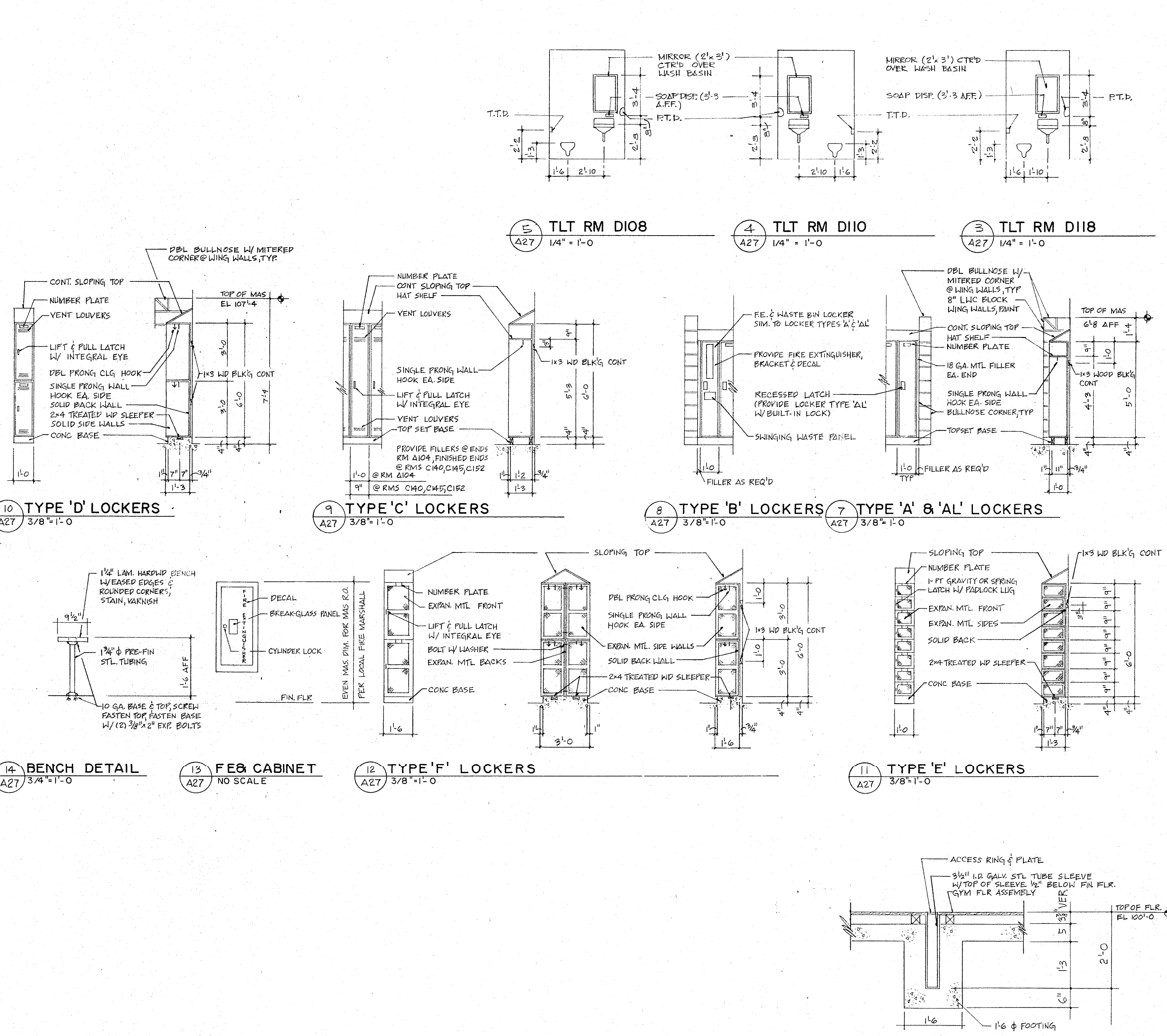
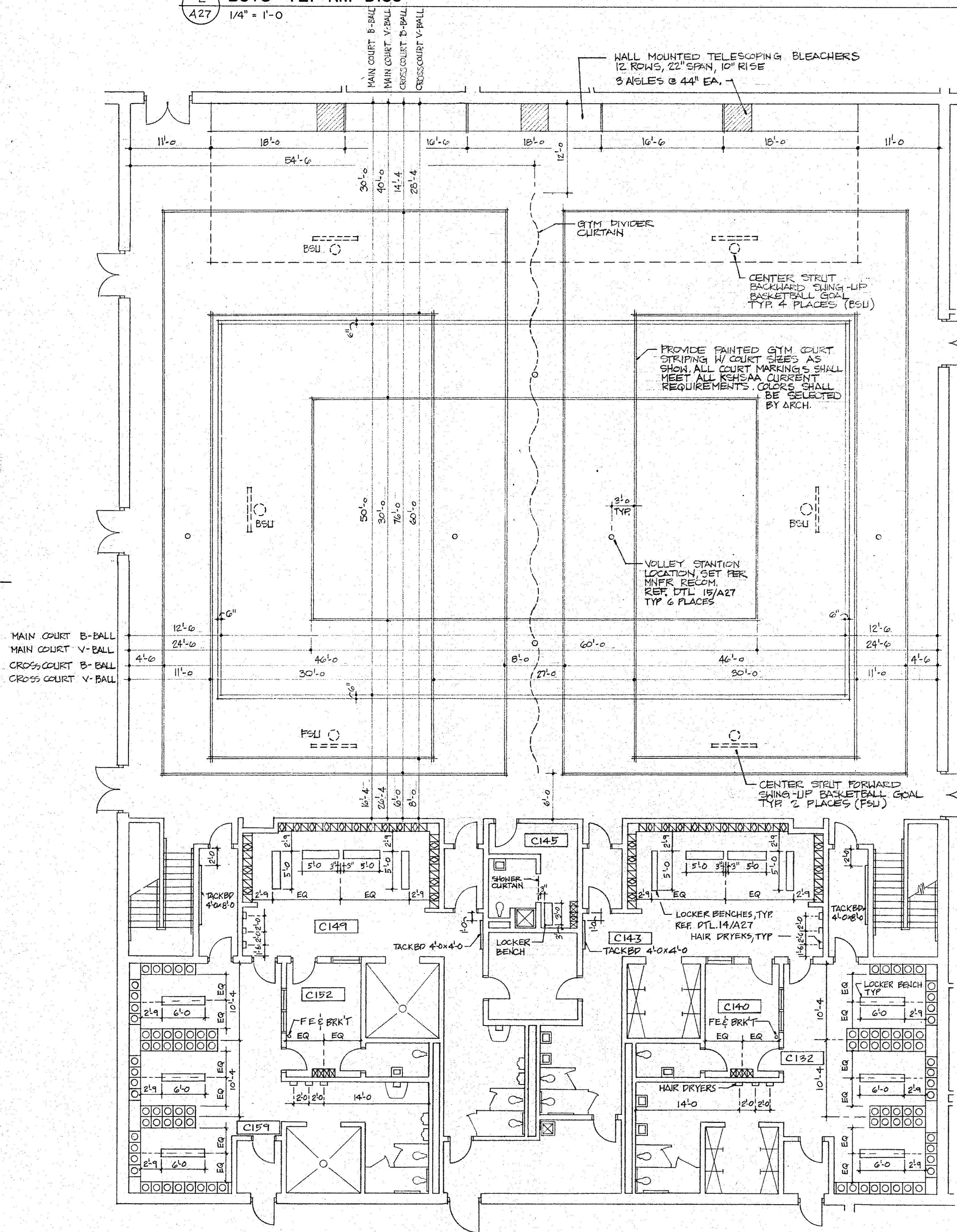
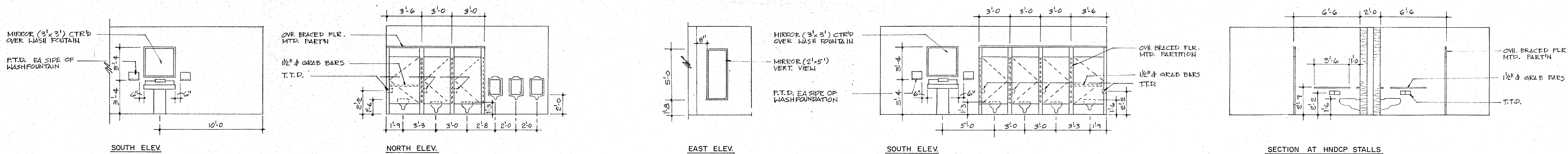


14 WOMEN RM C123 1/4" = 1'-0"  
 13 TOILET RM C136 1/4" = 1'-0"



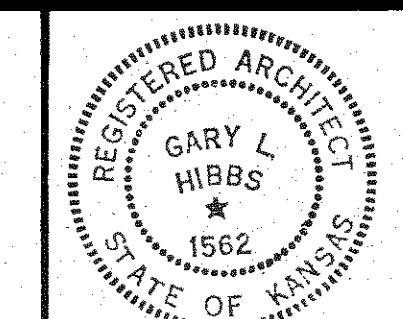
19 METAL B117 1/4" = 1'-0"  
 18 WOOD B112 1/4" = 1'-0"  
 17 GIRLS SHOWER RM C135 (C141 SIM) 1/4" = 1'-0"  
 16 ALCOVE C122 (D136 SIM) 1/4" = 1'-0"  
 15 MEN RM C125 1/4" = 1'-0"





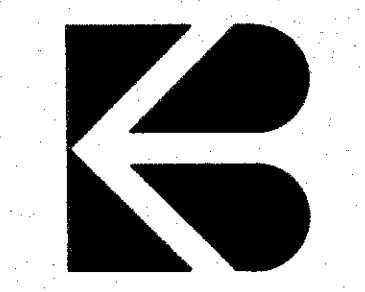
MIDDLE SCHOOL  
WAMEGO U.S.D. 320

TOILET, LOCKER, AND ATHLETIC DETAILS



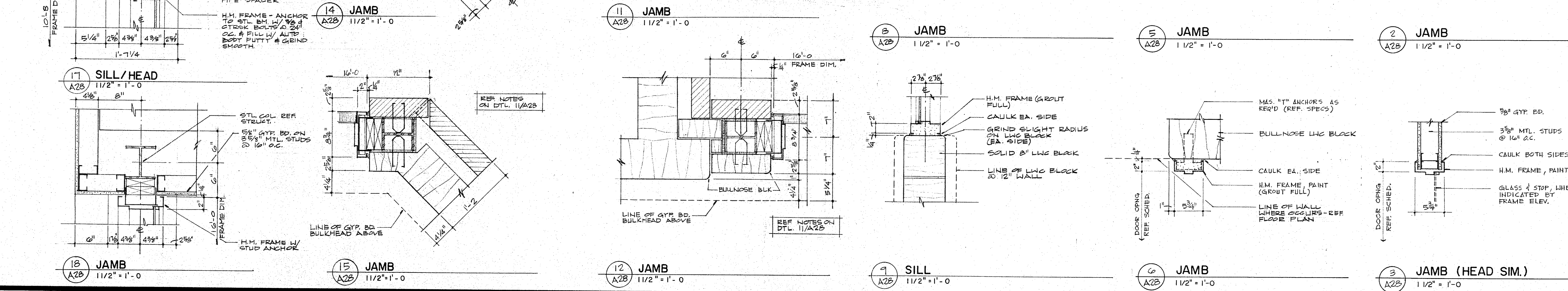
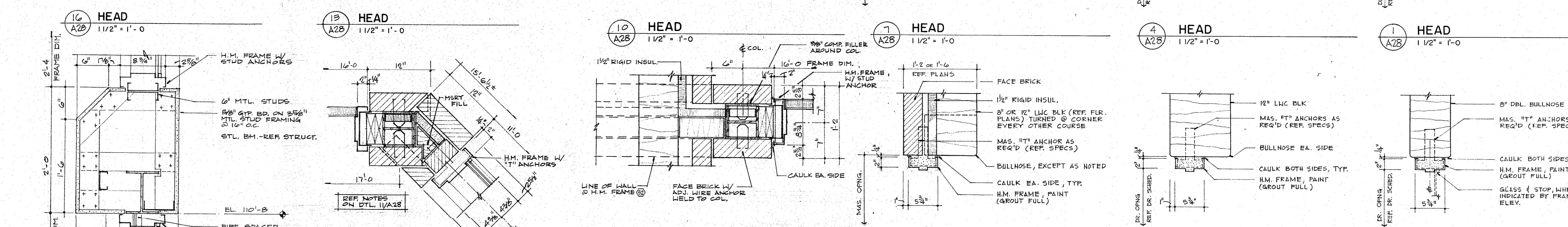
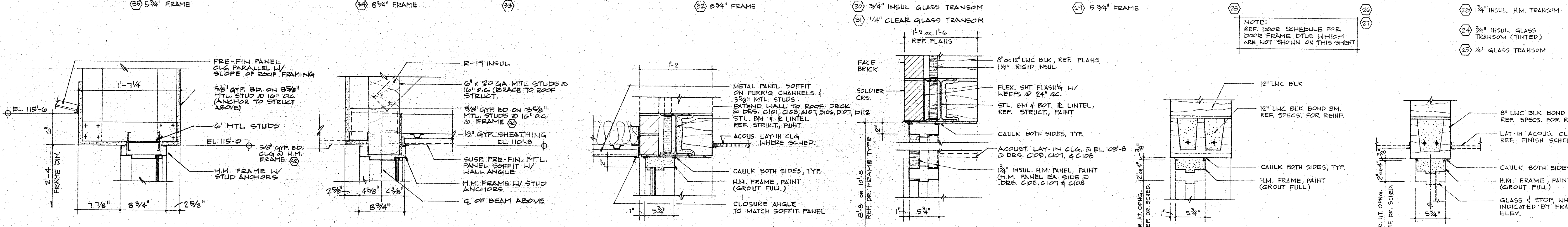
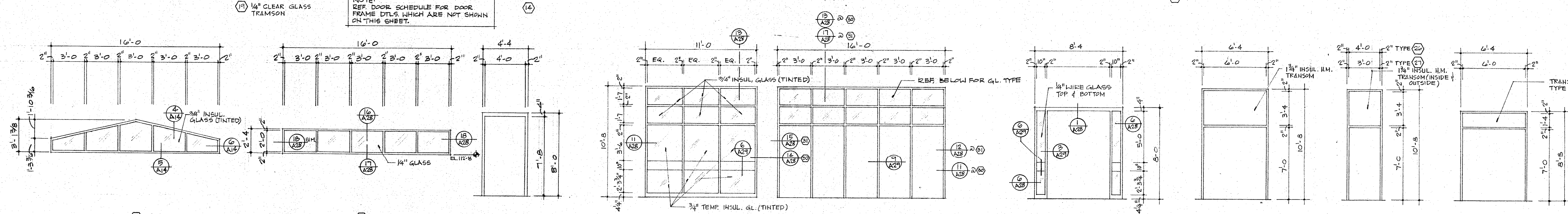
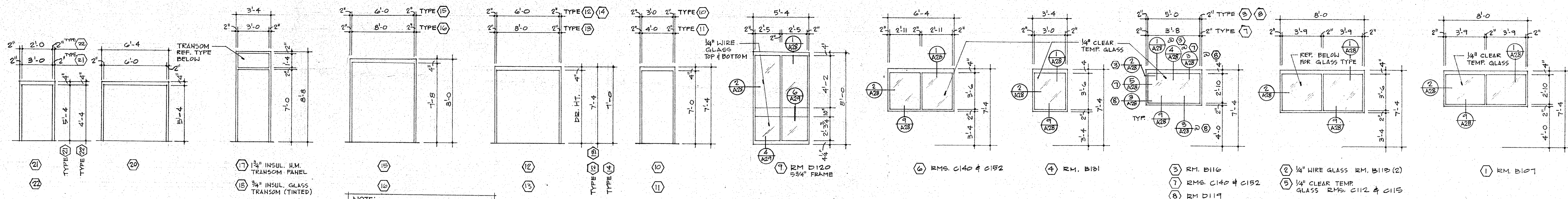
**KIENE & BRADLEY DESIGN GROUP · AIA**  
CHARTERED

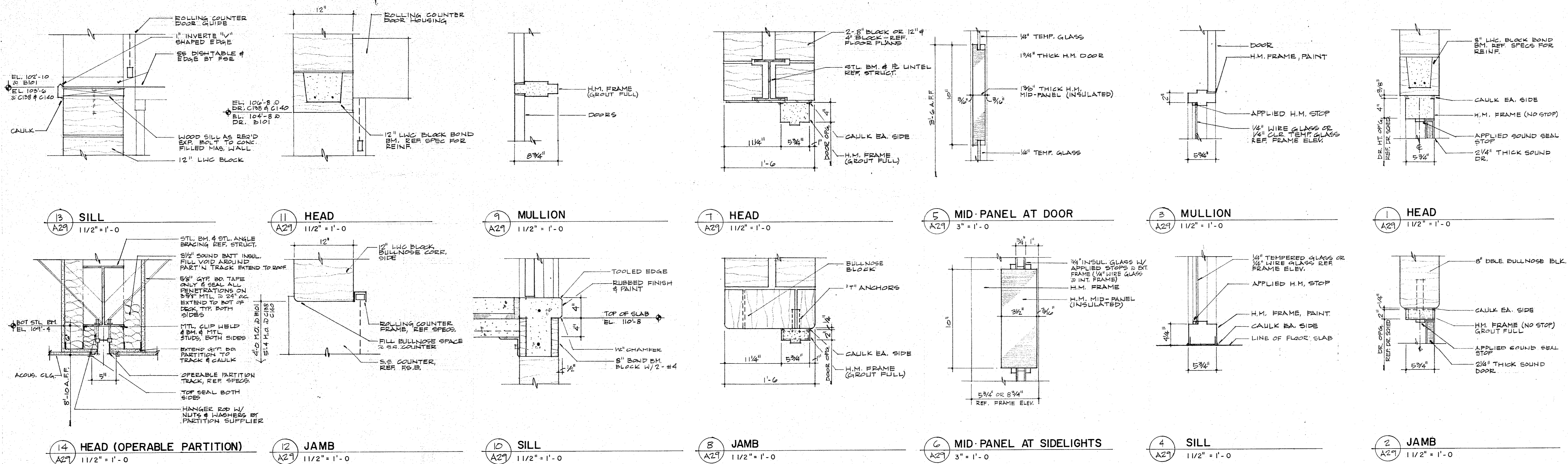
ARCHITECTS TOPEKA  
INTERIOR ARCHITECTURE KANSAS



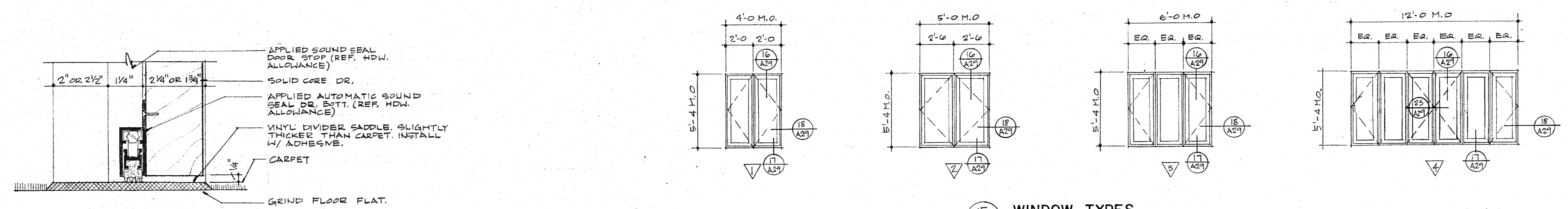
JOB NO. 89-36  
DATE 4-8-91  
REVISION

SHEET NO.  
A27

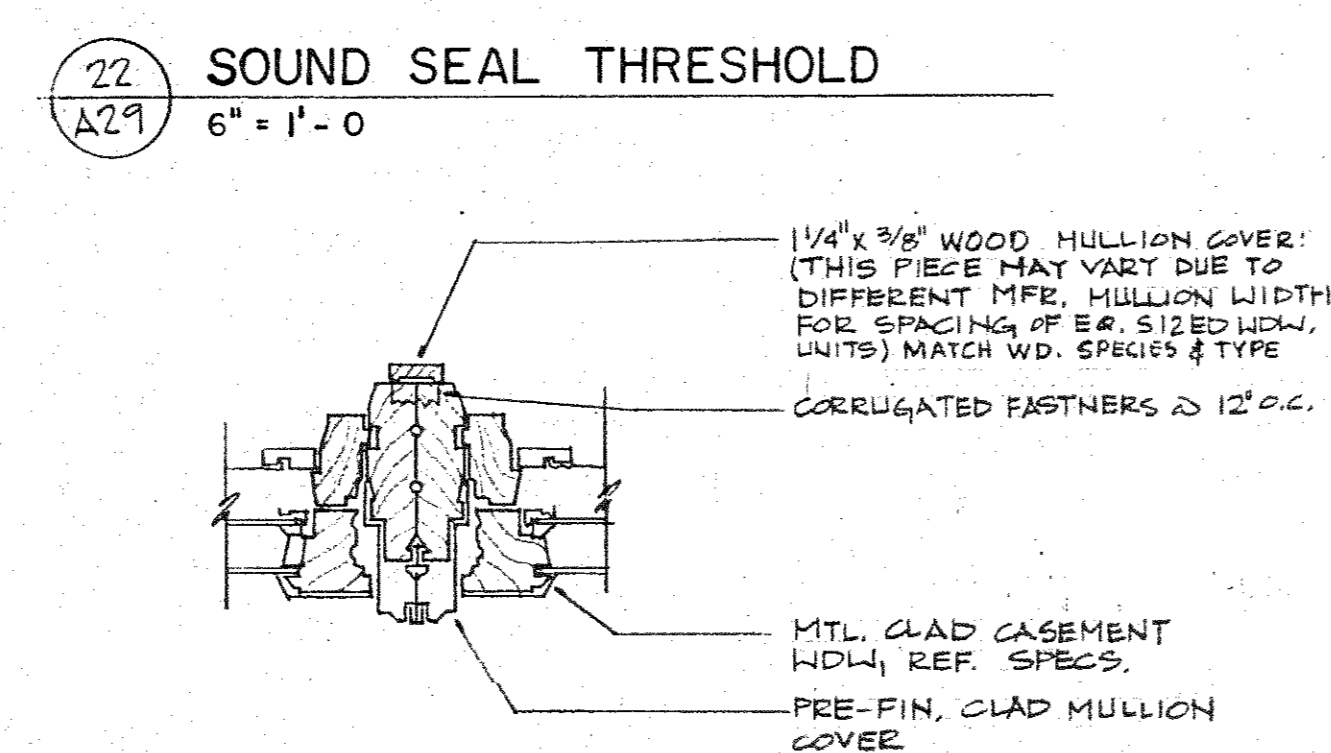




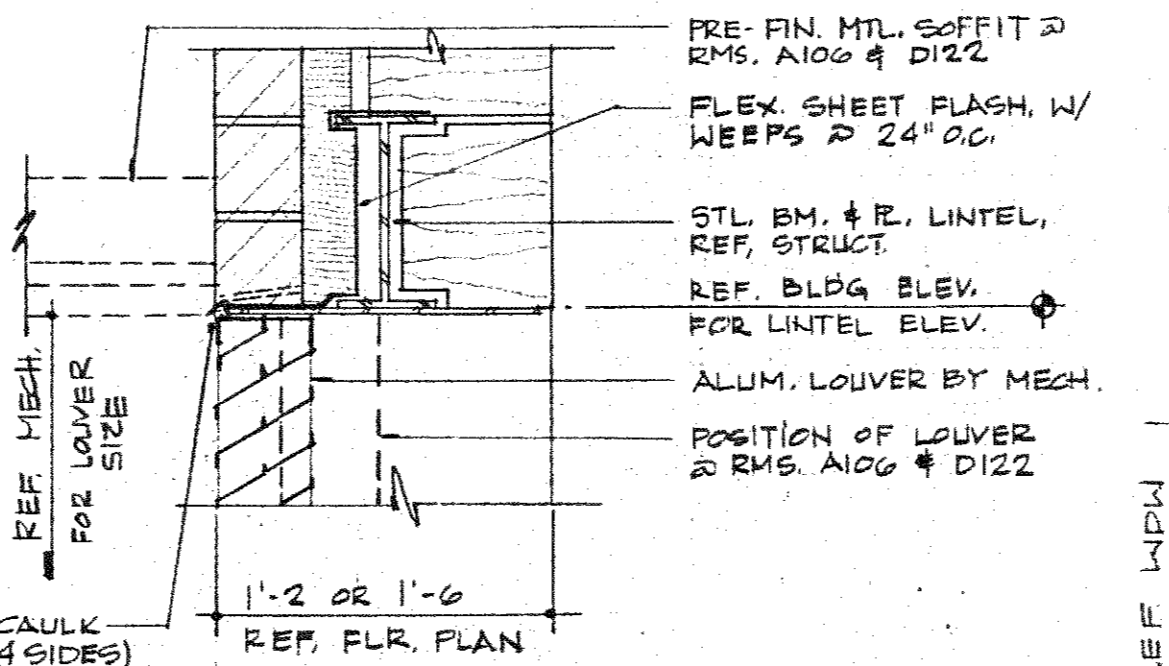
DOOR FRAME DETAILS



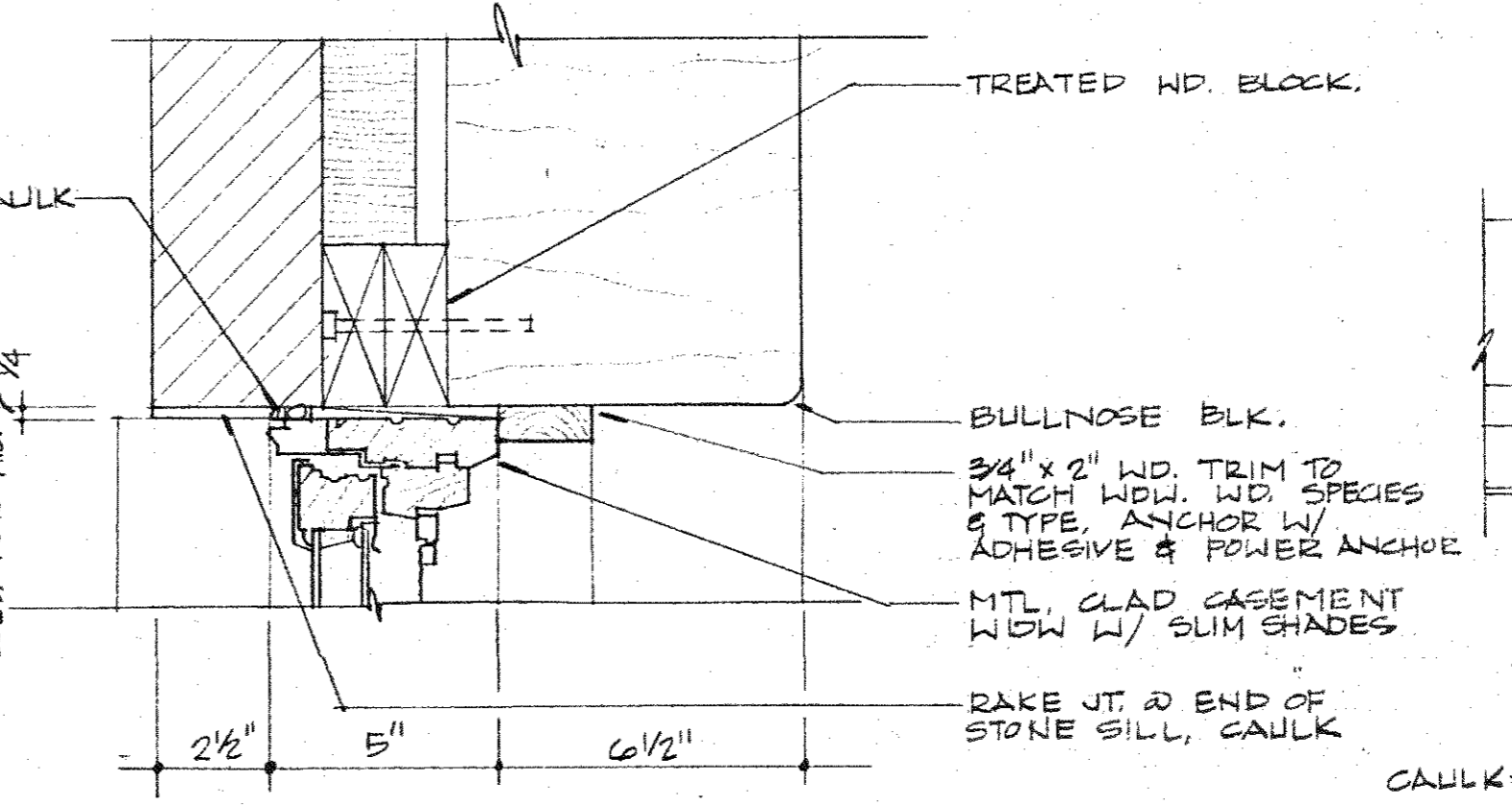
WINDOW TYPES



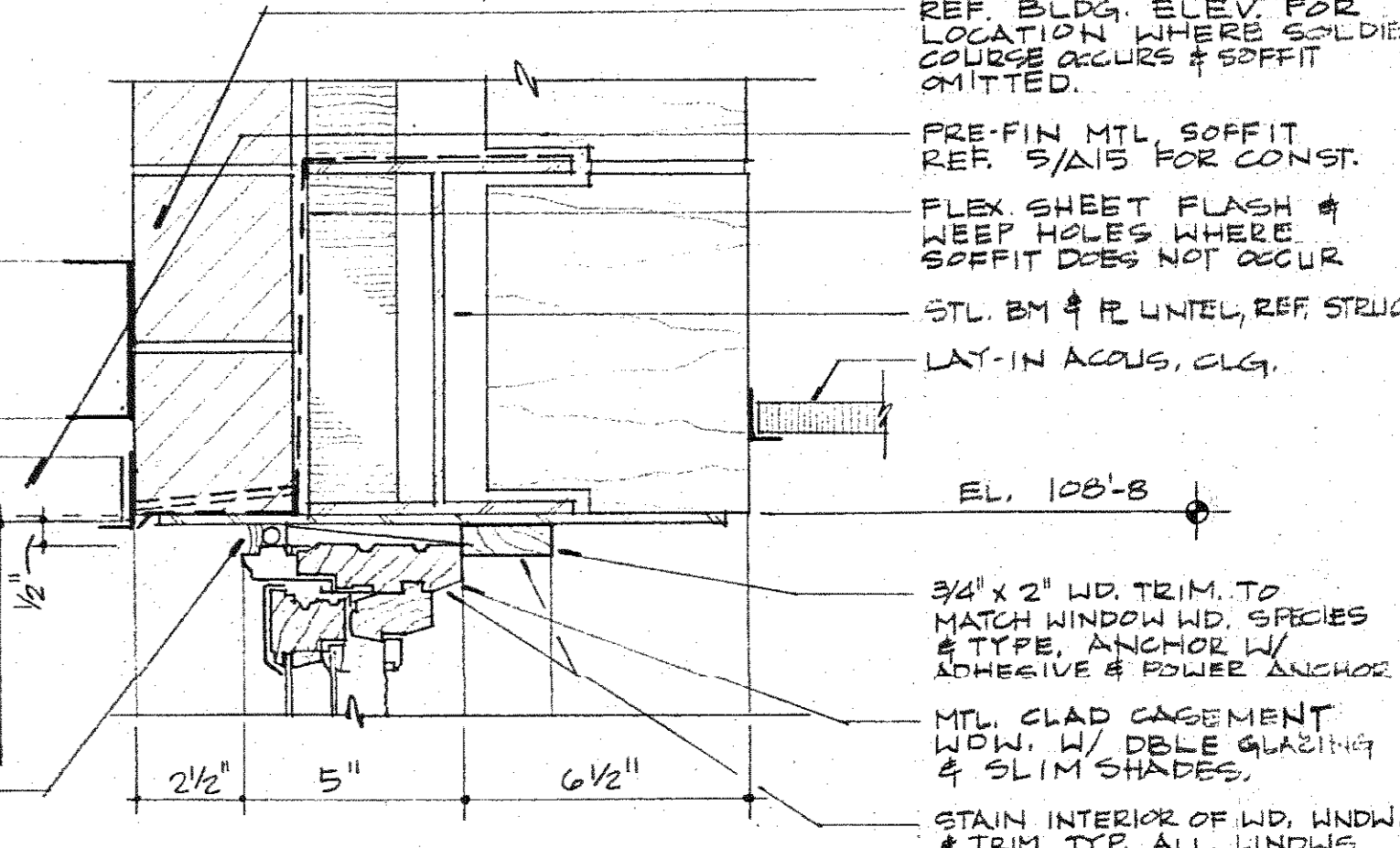
22 SOUND SEAL THRESHOLD  
A29 6'-1'-0



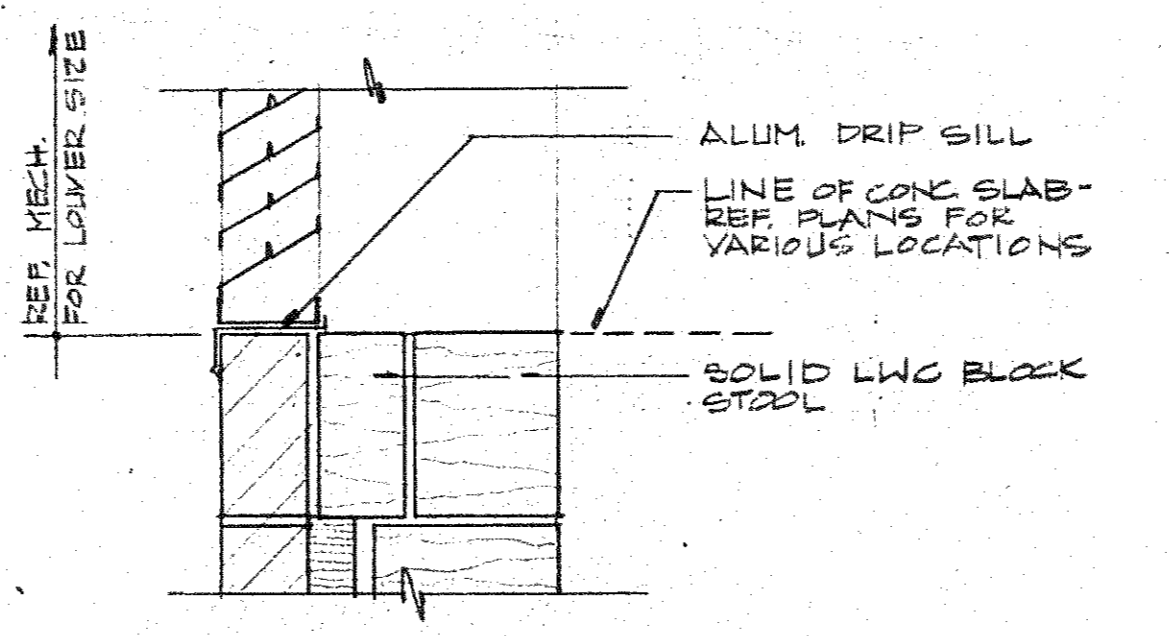
20 LOUVER HEAD  
A29 1 1/2\"/>



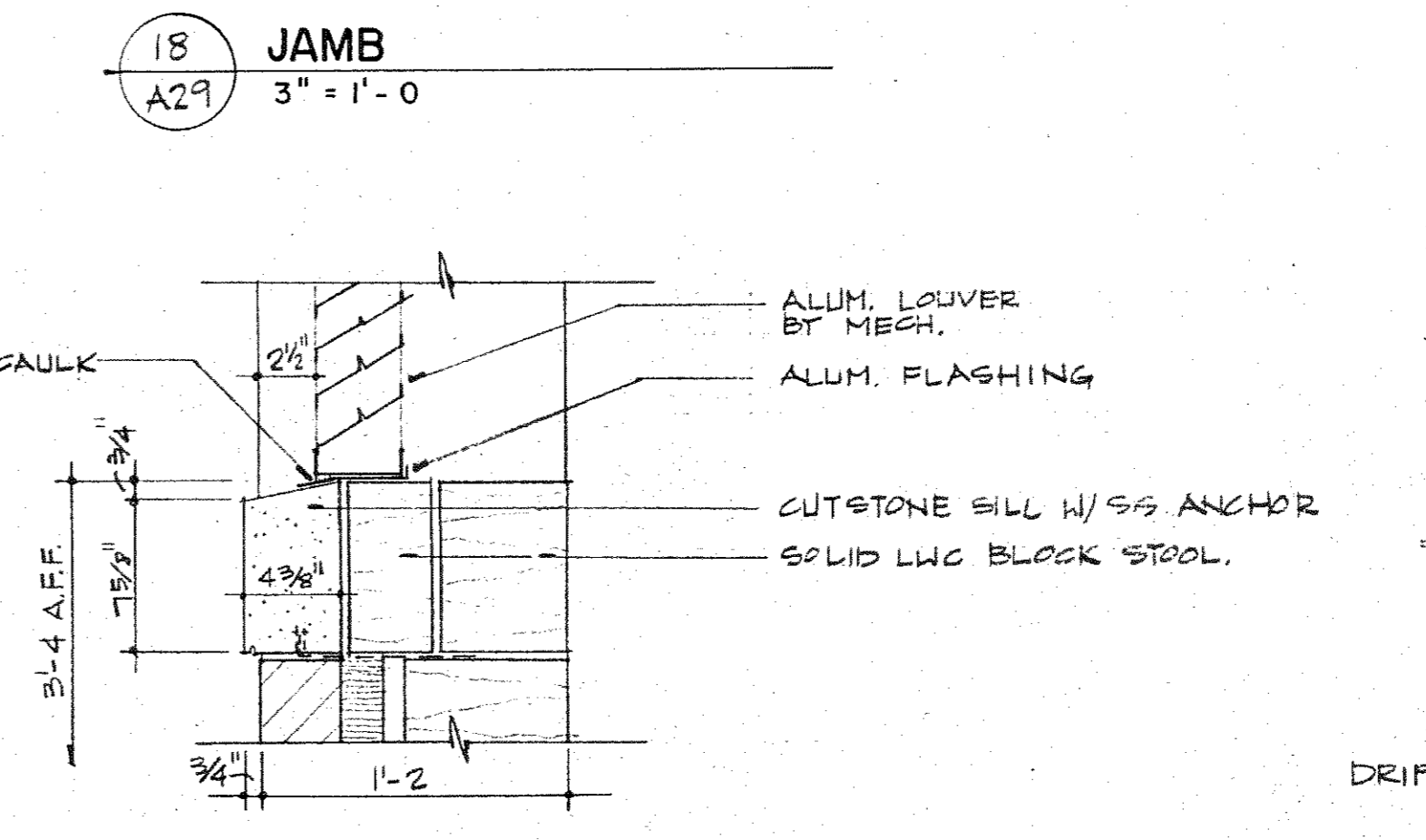
18 JAMB  
A29 3\"/>



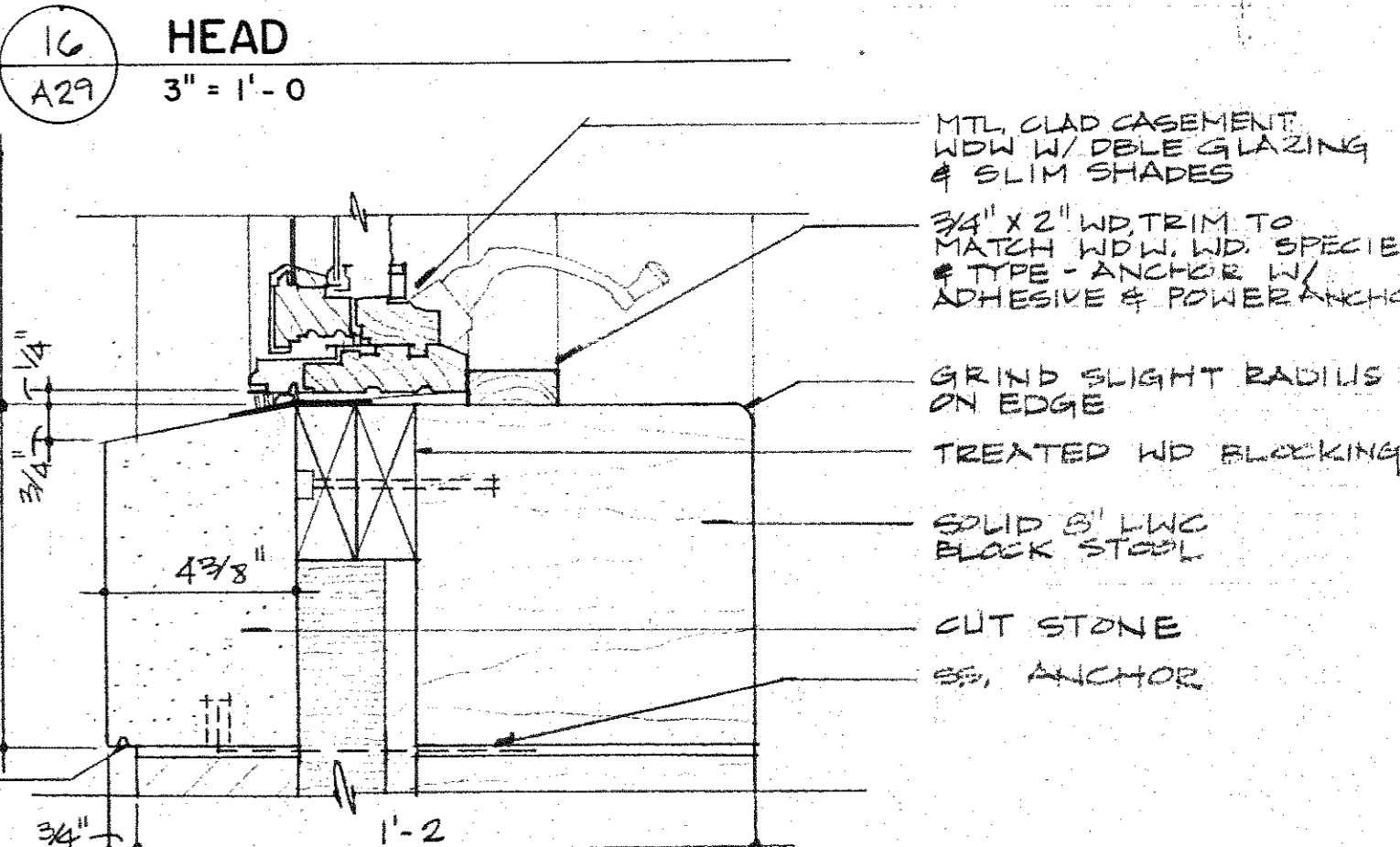
16 HEAD  
A29 3\"/>



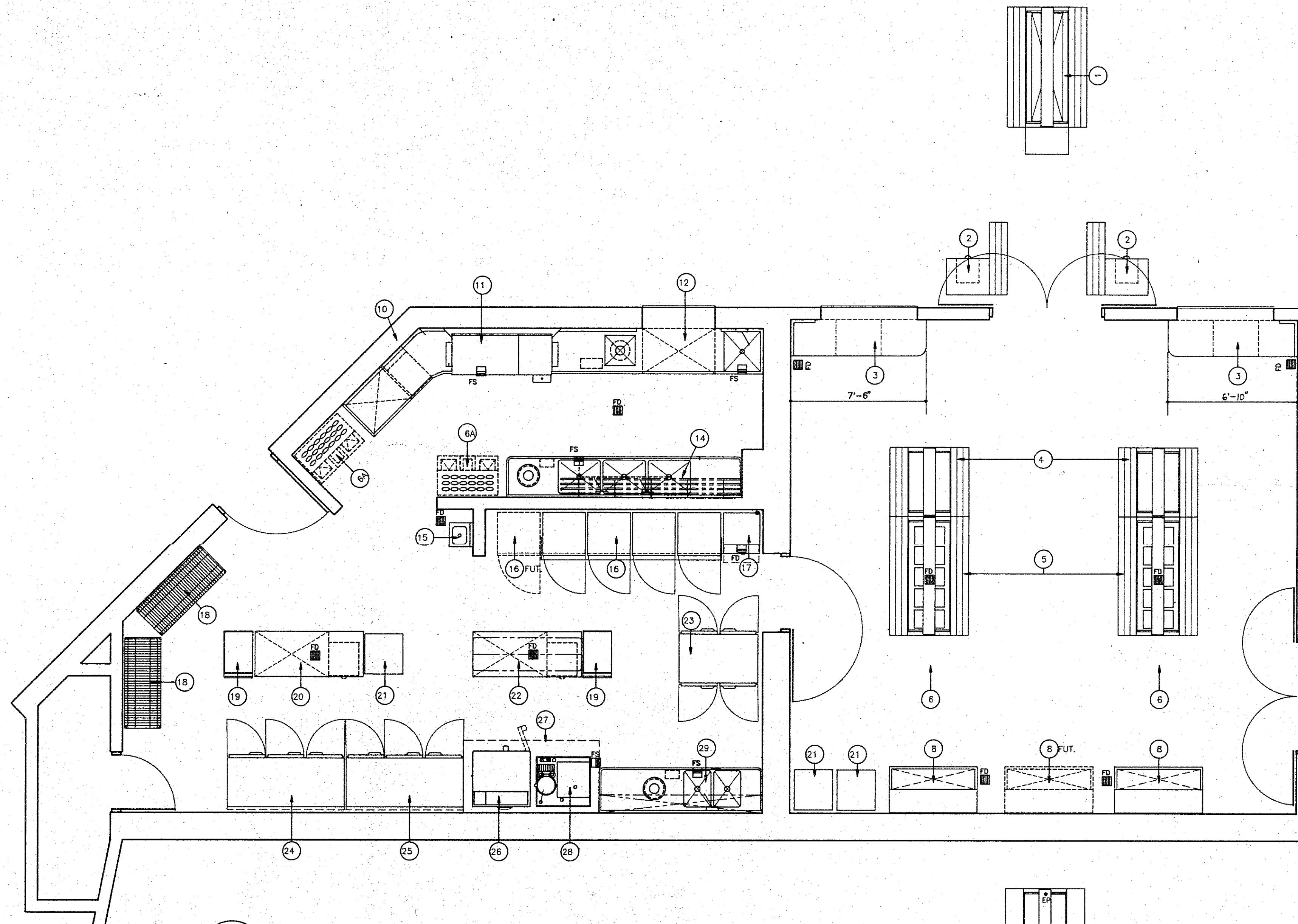
21 LOUVER SILL, TYP.  
A29 1 1/2\"/>



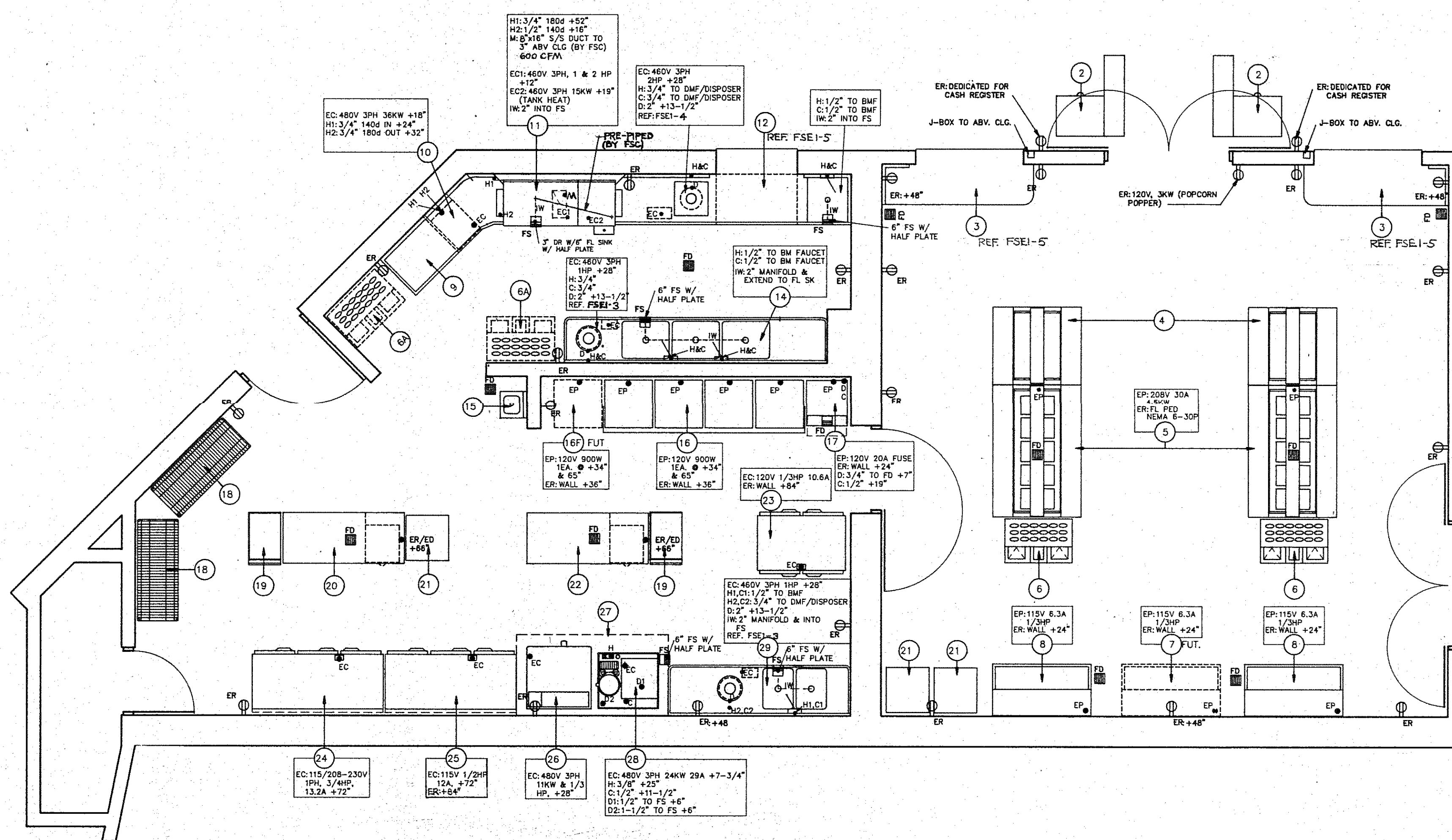
19 LOUVER SILL, RM. A106 & D122  
A29 1 1/2\"/>



17 SILL  
A29 3\"/>



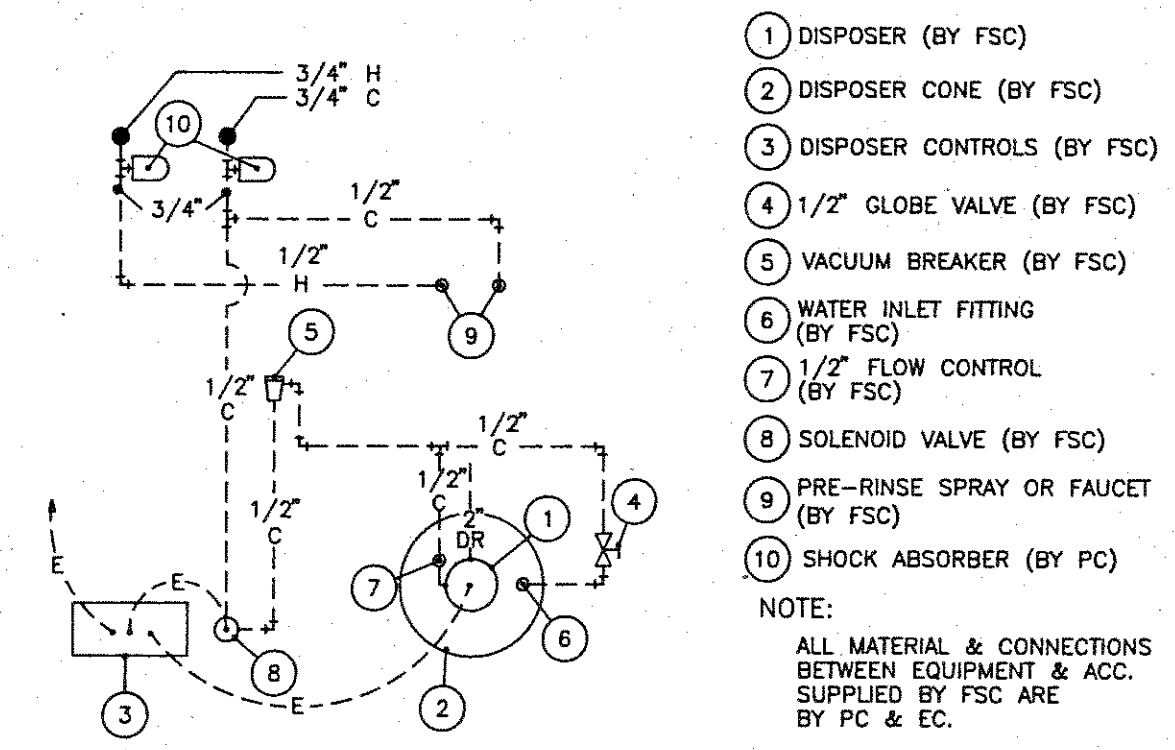
**1 KITCHEN EQUIPMENT FLOOR PLAN**  
 FSE 1  
 0' 2' 4' 8' 12' 1/4"=1'-0"  
 NORTH  
 PLAN NORTH



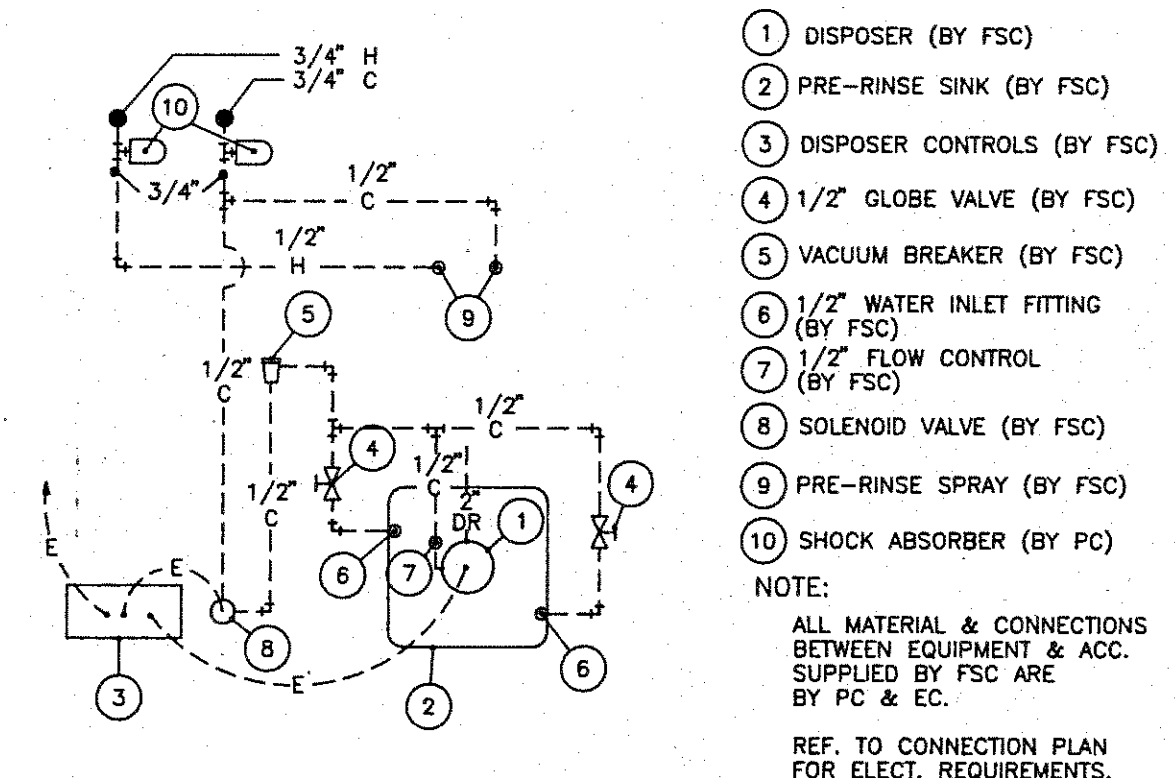
**2 KITCHEN EQUIPMENT CONNECTION PLAN**  
 FSE 1  
 0' 2' 4' 8' 12' 1/4"=1'-0"  
 NORTH  
 PLAN NORTH

**EQUIPMENT LIST**

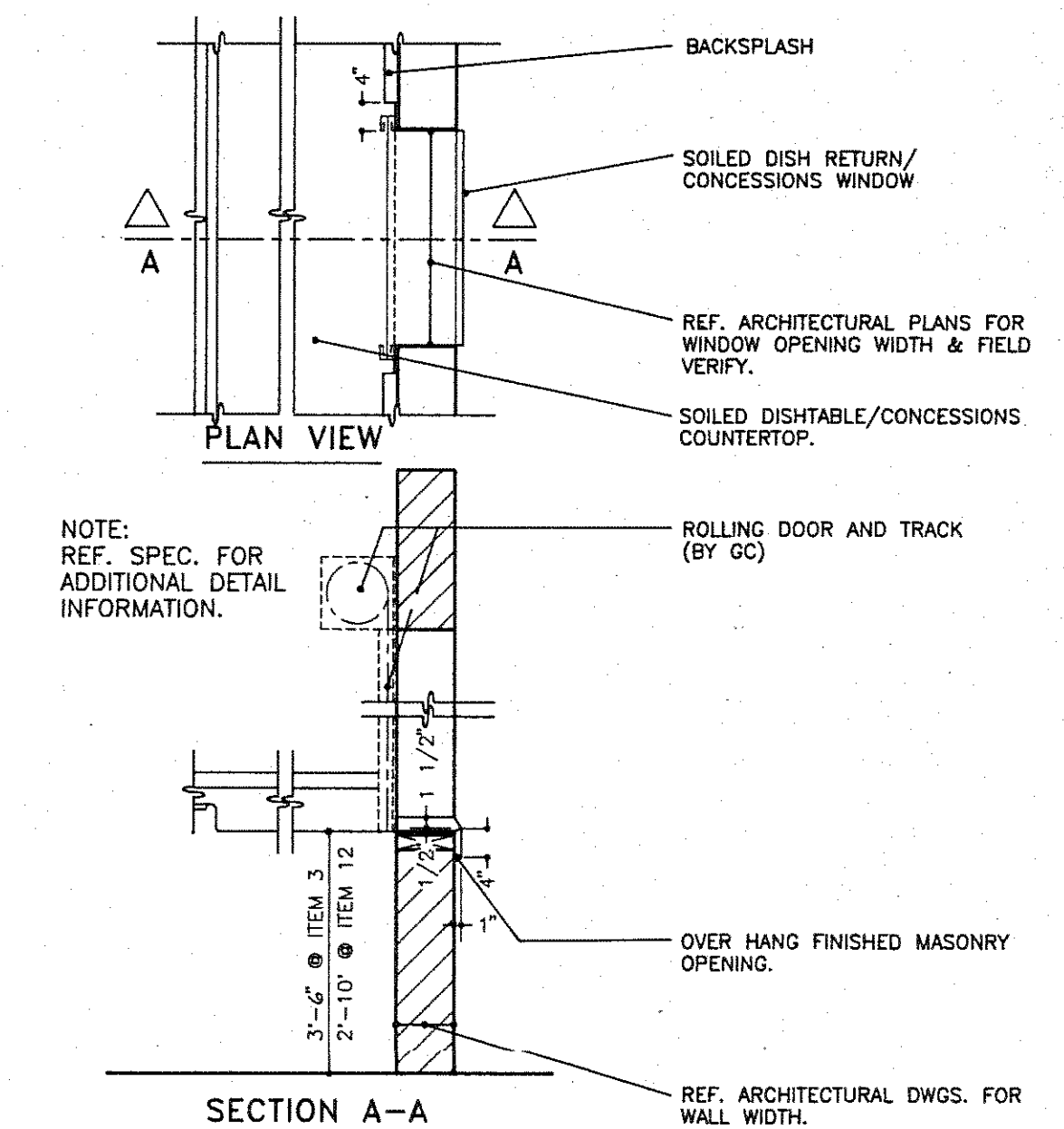
ITEM NO.	QUANTITY	DESCRIPTION
1	One (1)	Refrigerated Salad Bar.
2	Two (2)	Mobile Cashiers Stands.
3	Two (2)	Condiment Stand / Concession Window.
4	Two (2)	Mobile Cold Food Unit.
5	Two (2)	Mobile 5-Well Hot Food Units.
6	Two (2)	Mobile Tray/Napkin/Silver Dispensers.
6A	Two (2)	Alternate Item No. & Location.
7	One (1)	Future Milk Cooler.
8	Two (2)	Reach-in Milk Coolers.
9	One (1)	Clean Dish Table.
10	One (1)	Booster Heater.
11	One (1)	Single Tank Dishwasher w/ Pre-rinse.
12	One (1)	Soiled Dish Table.
13		Not Used.
14	One (1)	Three Compartment Sink w/ Disposal.
15	One (1)	Hand Sink.
16	Four (4)	Food Transport Carts. Obl. Stack
16F	One (1)	Future Food Transport Cart. Obl. Stack
17	One (1)	Ice Machine.
18	One (1)	Wire Storage Shelving.
19	Two (2)	Utility Carts.
20	One (1)	6'-0" Work Table.
21	One (1)	Open Cooling Rack.
22	One (1)	6'-0" Work Table w/ Utensil Rack.
23	One (1)	Pass-Thru Refrigerator.
24	One (1)	Reach-in Freezer.
25	One (1)	Reach-in Refrigerator.
26	One (1)	Soiled Dish Table.
27	One (1)	Ventilation Hood.
28	One (1)	2 Comp. Conv. Steamer w/ 20 Qt. Kettle.
29	One (1)	Veg. / Salad Prep. Table w/ Disposal.



**3 DISPOSER M & E CONN.**  
 FSE 1



**4 PRE-RINSE SINK M & E CONN.**  
 FSE 1



**5 DISH RETURN/ CONCESSIONS WINDOW**  
 FSE 1

**GENERAL SYMBOLS**

- ABV ABOVE
- ALT ITEM BY ALTERNATE
- (BY FSC) FURNISHED AND INSTALLED BY THE FOOD SERVICE CONTRACTOR
- CLG FINISH CEILING
- FL FINISH FLOOR
- FUT ITEM BY OWNER OR FUTURE

**PLUMBING/MECHANICAL SYMBOLS**

- (BY PC) PLUMBING CONTRACTOR
- BMF BACKSPASH MOUNT FAUCET
- C COLD WATER CONNECTION
- CD CONDENSATE DRAIN
- CLG FINISH CEILING
- CR CONDENSATE RETURN CONNECTION
- D DIRECT DRAIN CONNECTION
- DFRFRFS DECK MOUNT FAUCET
- ED STANDARD FLOOR DRAIN
- FL SK/FS SANITARY FLOOR SINK WITH HALF GRATE
- G GAS LINE CONNECTION
- H HOT WATER CONNECTION
- IW INDIRECT WASTE
- M MECHANICAL
- RL REFRIGERANT LINE
- S STEAM IN CONNECTION
- TW TEMPERED WATER

**ELECTRICAL SYMBOLS**

- A (BY EC) AMP
- AMP FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR
- EC ELECTRICAL CONNECTION
- ED ELECTRICAL DROP CORD & RECP.
- EP 6" ELECTRICAL CORD & PLUG
- ER ELECTRICAL RECEPTAL (120V. GENERAL PURPOSE UNLESS NOTED.)
- FL PED FLOOR PEDISTAL
- HP HORSEPOWER
- KW KILOWATTS
- PH PHASE (SINGLE UNLESS NOTED)
- W WATTS

**NOTES: MECHANICAL & ELECTRICAL**

IT IS THE INTENT OF THE CONTRACT DOCUMENTS THAT THE FSC WILL FURNISH, SET IN PLACE, LEVEL, ANCHOR & CLEAN ALL FOOD SERVICE EQUIPMENT & THEIR ACCESSORIES (SHOWN AND SPECIFIED) READY FOR ALL UTILITY INTER-CONNECTION AND CONNECTION BY THE MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTOR.

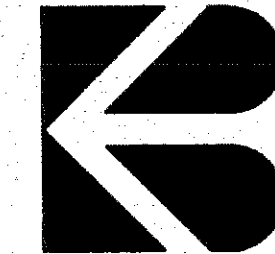
ALL MATERIAL & LABOR FOR ROUGH-IN, INTER-CONNECTIONS & CONNECTIONS REQUIRED FOR PROPER OPERATION OF THE FOOD SERVICE EQUIPMENT & THEIR ACCESSORIES ARE BY THE MECH., PLUMB., & ELECT. CONTRACTORS, UNLESS NOTED OTHERWISE. FSC WILL OVERSEE PROPER CONNECTION OF THE EQUIPMENT.

CONNECTION POINT LOCATIONS AND SIZES ARE APPROX. FOR THE BASE EQUIPMENT SPECIFIED. THEY ARE SHOWN FOR BIDDING PURPOSES ONLY TO ESTIMATE NUMBERS AND SIZES OF POSSIBLE CONNECTIONS. THEY SHOULD NOT BE USED FOR ACTUAL ROUGH-IN OF THE BUILDING. SUBSTITUTION OF OTHER EQUIPMENT FOR THE SPECIFIED BASE EQUIPMENT, AS ALLOWED BY THE SPECIFICATION, MAY ALTER CONNECTION POINT LOCATIONS, SIZES AND HEIGHTS. EXACT DIMENSIONED ELECTRICAL AND MECHANICAL ROUGH-IN DRAWING AND EQUIPMENT SHOP DRAWINGS ARE TO BE PROVIDED BY THE FOOD SERVICE CONTRACTOR.

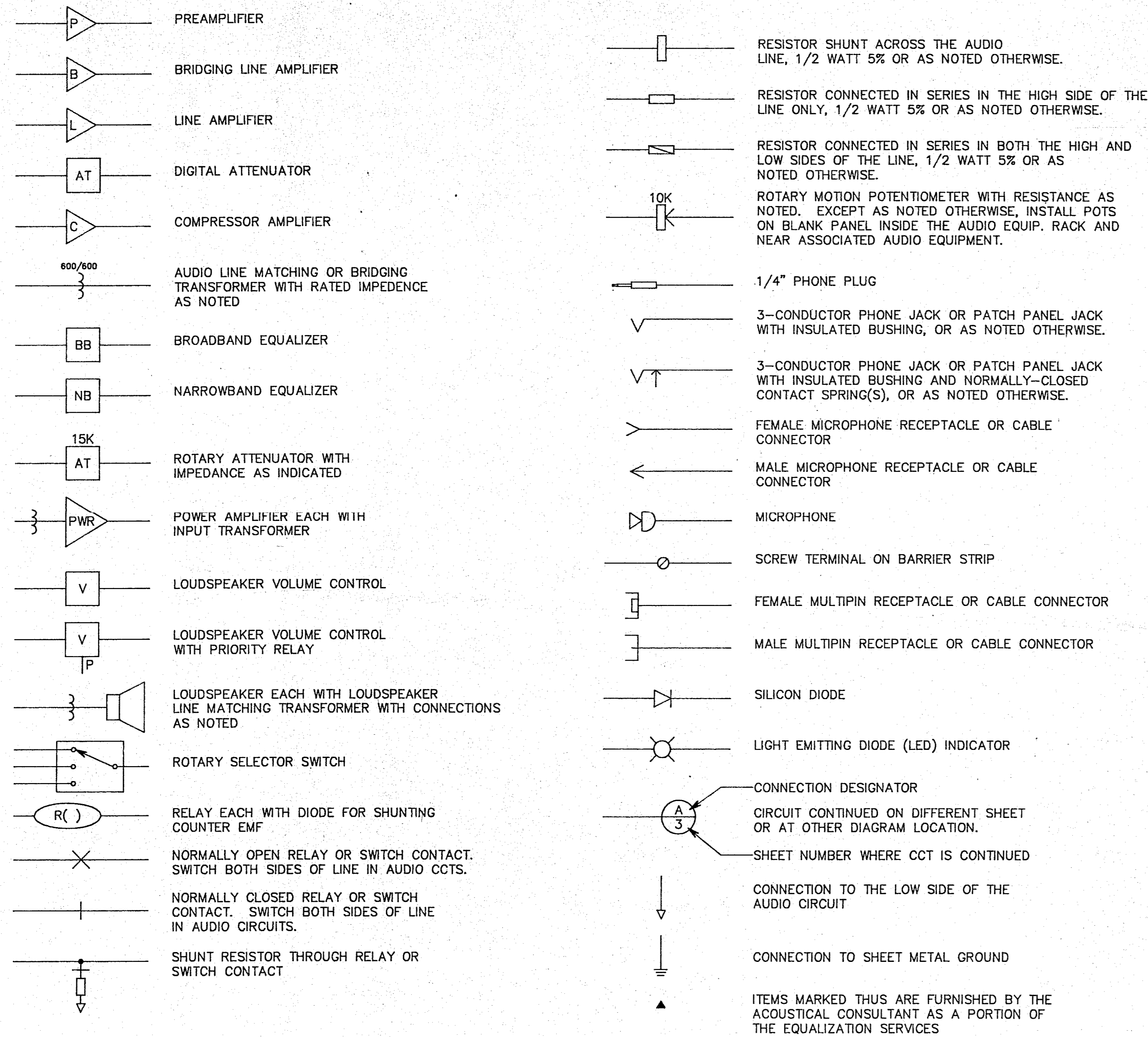
HEIGHTS SHOWN ARE APPROX. TO THE CONNECTION POINT ON THE SPECIFIED BASE EQUIPMENT.

MECHANICAL, PLUMBING & ELECTRICAL WORK SHALL COMPLY WITH DIVISIONS 15000 & 16000 OF THE SPECIFICATION AND OTHER APPLICABLE INFORMATION WITHIN THE CONTRACT DOCUMENTS.

REFERENCE SECTION 11400 OF THE SPECIFICATIONS FOR FURTHER INFORMATION.

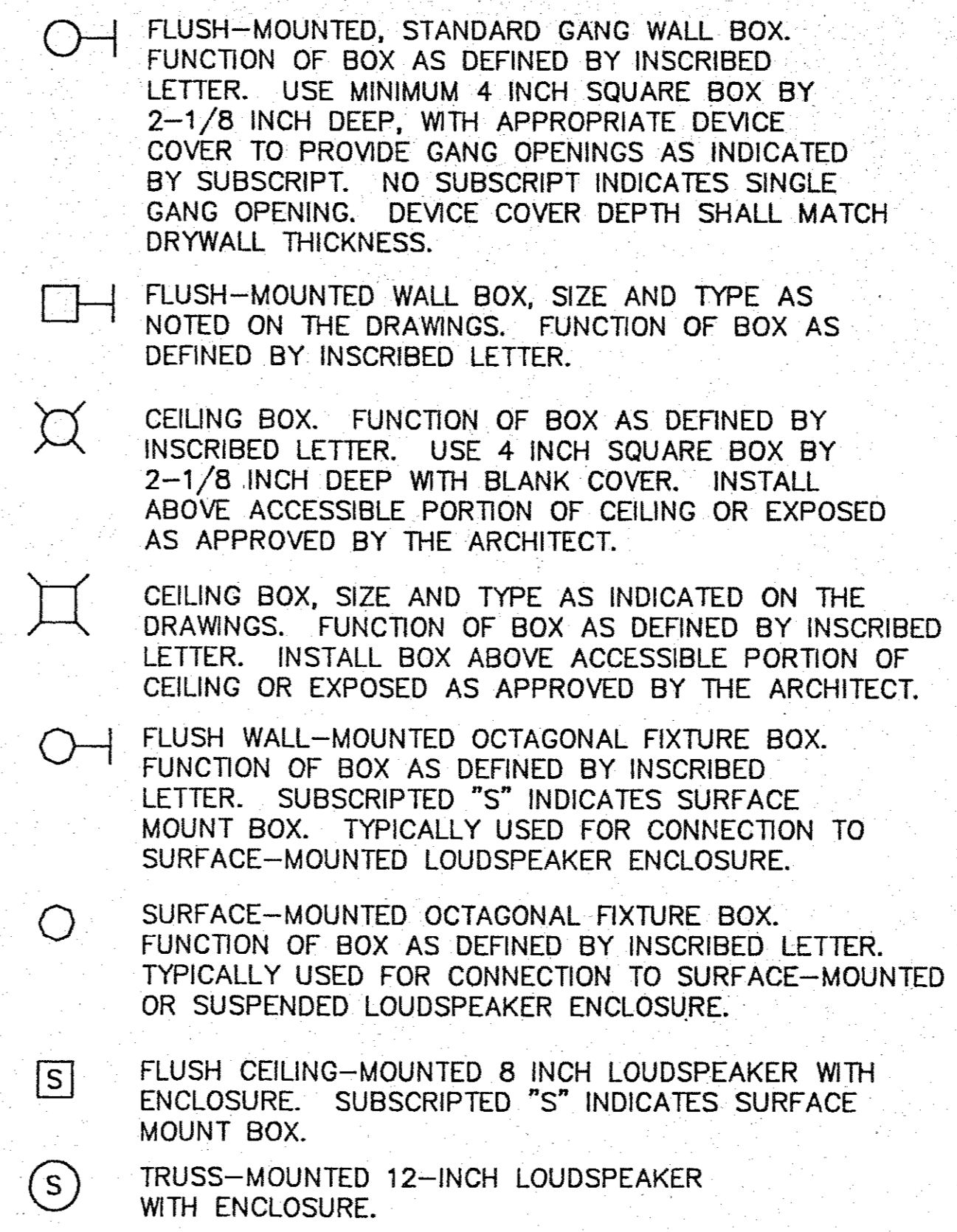


**AUDIO AND CONTROL SYMBOLS LEGEND**



**CONDUIT LEGEND:**

**BOXES AND ENCLOSURES:**



**LIST OF FUNCTIONS:**

- A ANTENNA CONNECTION TO AM/FM ANTENNA SYSTEM AS NOTED.
- AC 120 VAC 20-AMP DEDICATED SERVICE WITH DUPLEX RECEPTACLE.
- AV AUDIO-VISUAL CONNECTION.
- B BLANK COVER, FOR FUTURE USE.
- IC INTERCOM STATION, TYPE AS NOTED BY SUBSCRIPT.
- J JUNCTION BOX WITH BLANK COVER.
- L LINE-LEVEL CONNECTION.
- LC SOUND SYSTEM LOAD CENTER OR PANELBOARD
- LS LOUDSPEAKER-LEVEL CONNECTION.
- M MICROPHONE-LEVEL CONNECTION.
- PB PULL BOX
- R REMOTE MIXER CONTROL. INSTALL BOX AT APPROXIMATELY 48" AFF TO MATCH LIGHTING CONTROLS.
- RC RELAY CABINET FOR AC POWER CONTROL.
- TR TRANSFORMER FOR AC POWER
- V LOUDSPEAKER VOLUME CONTROL. INSTALL BOX AT APPROXIMATELY 48" AFF TO MATCH LIGHTING CONTROLS.

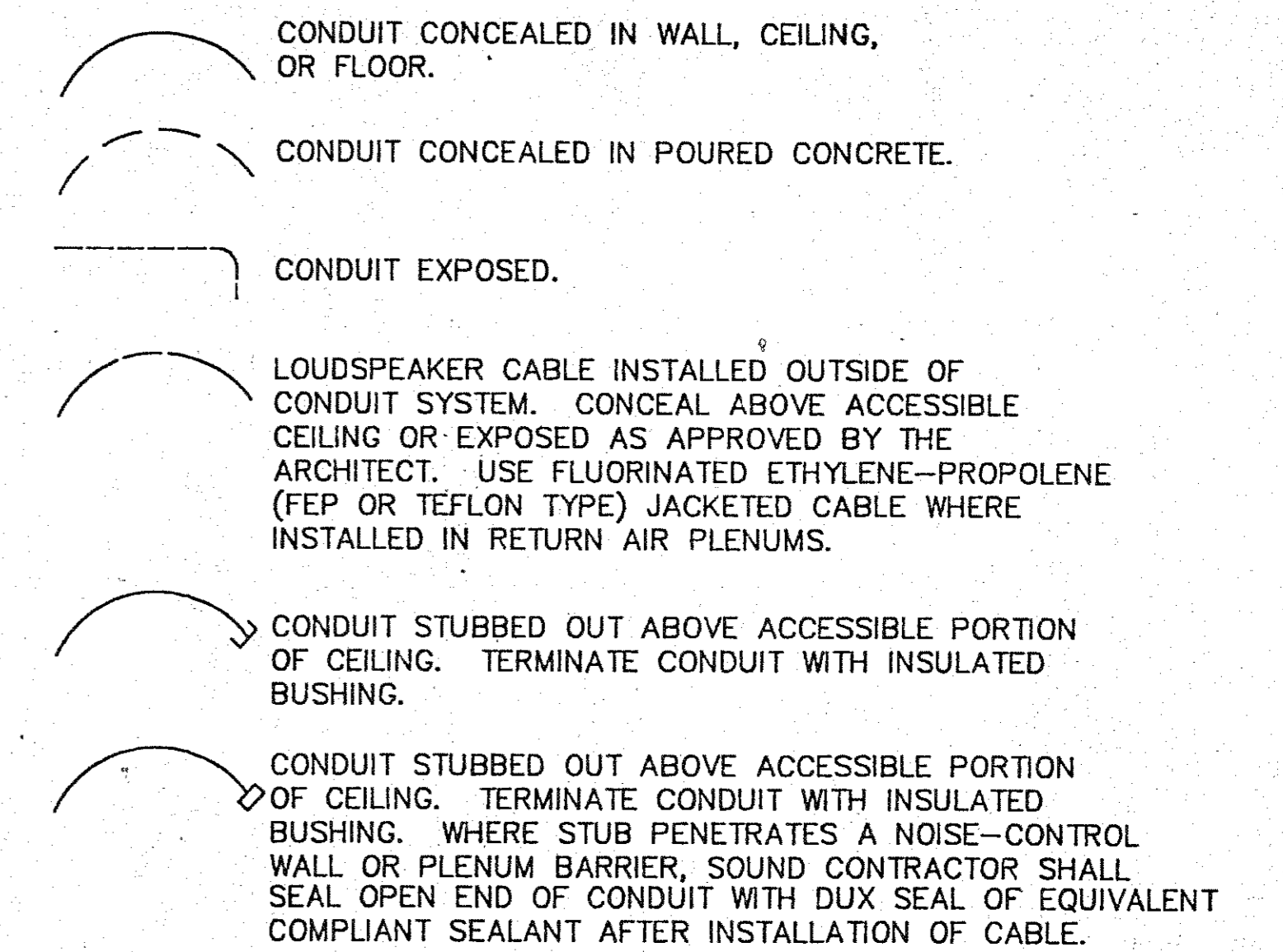
**ABBREVIATIONS:**

- AFF ABOVE FINISHED FLOOR. INDICATES DIMENSION ABOVE FLOOR SURFACE.

**NOTATIONAL SYMBOLS:**

- ▽ SPECIFIC NOTE INDICATED. REFER TO LIST OF NOTES CONTAINED ON SHEET WHERE REFERENCE OCCURS FOR APPLICABLE NOTE.
- △ REVISION NUMBER INDICATED. REFER TO LIST OF REVISIONS FOR REVISION DATE.

**CONDUIT:**



**GENERAL CONDUIT SYSTEM NOTES:**

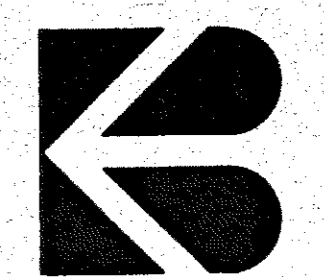
1. UNLESS NOTED OTHERWISE, MOUNT ALL WALL BOXES APPROXIMATELY 18 INCHES AFF TO MATCH WALL-MOUNTED ELECTRICAL BOXES. BOXES INDICATED ON DRAWINGS AT APPROXIMATELY 48 INCHES AFF SHALL BE MOUNTED TO MATCH ELECTRICAL SWITCH OR CONTROL PLATES.
2. CONDUIT SHALL BE MINIMUM 3/4" DIAMETER. UNLESS NOTED OTHERWISE, CONDUIT IN POURED CONCRETE SHALL BE MINIMUM 3/4" DIAMETER. PULL STRING SHALL BE FURNISHED, INSTALLED, AND SECURED IN ALL CONDUIT RACEWAYS.
3. CONDUIT SHALL NOT EXCEED 100 LINEAR FEET OR THE EQUIVALENT OF THREE (3) 90-DEGREE BENDS BETWEEN JUNCTION BOXES.
4. CONTRACTOR INSTALLING CONDUIT SYSTEM SHALL FURNISH AND INSTALL BLANK COVERS ON ALL BOXES INSTALLED BUT NOT USED FOR SOUND SYSTEM CONNECTIONS.
5. SOUND CONTRACTOR SHALL FURNISH AND INSTALL ALL BOX COVERS REQUIRED FOR INSTALLATION OF THE SOUND SYSTEM EQUIPMENT AND CONNECTIONS.

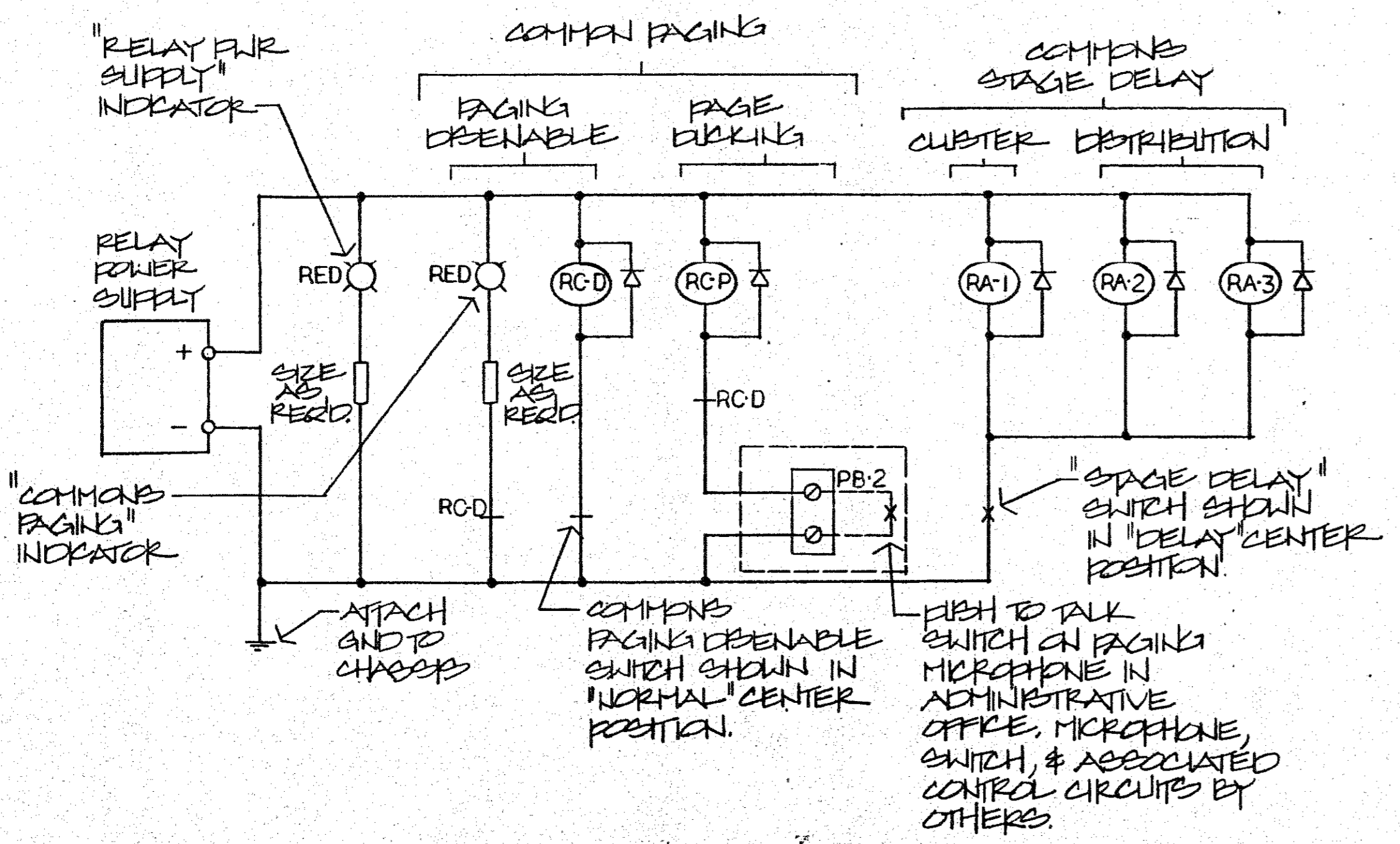
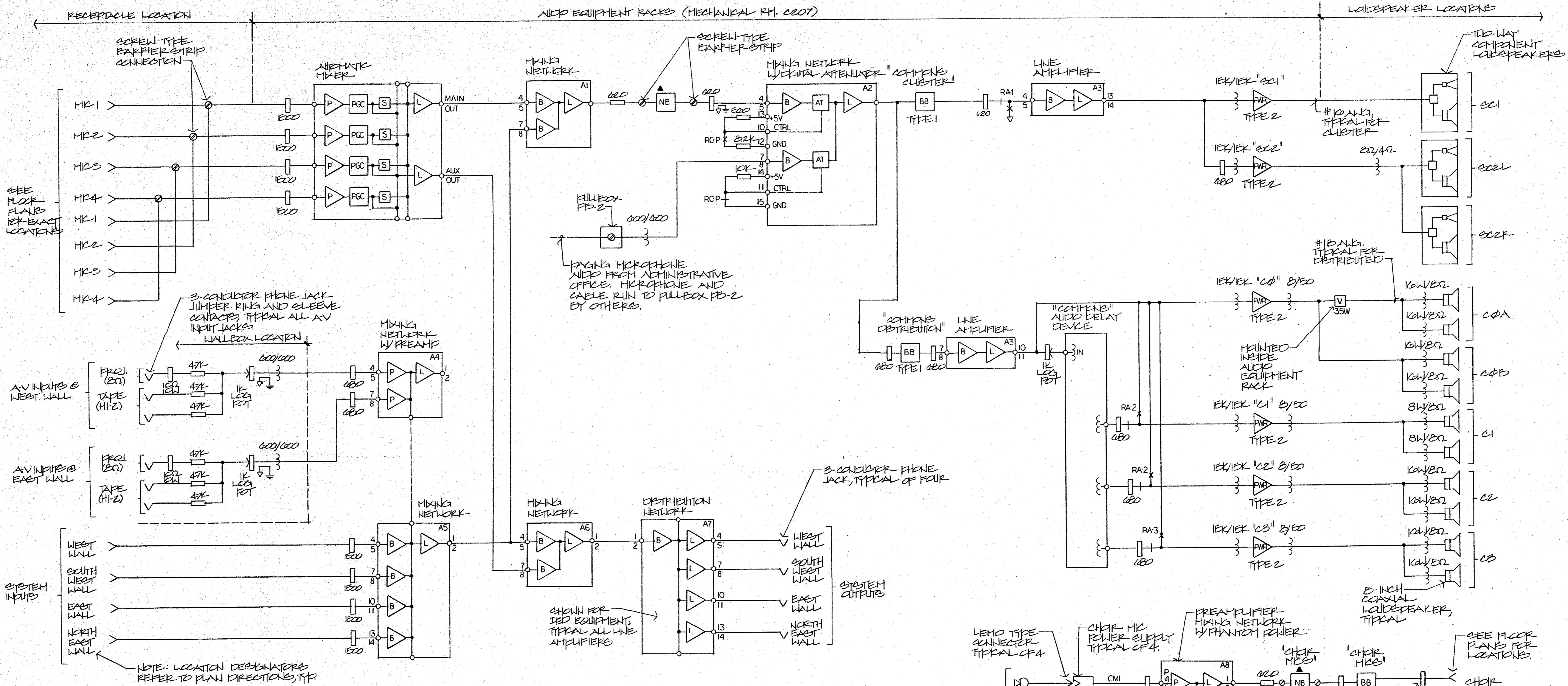
**DIVISION OF WORK:**

1. EXCEPT AS OTHERWISE NOTED ON THE DRAWINGS, THE ELECTRICAL CONTRACTOR, AS A PORTION OF THE PROJECT SOUND SYSTEM ELECTRICAL CONTRACT, SHALL FURNISH AND INSTALL ALL CONDUIT AND RELATED CONDUIT FITTINGS, OUTLET BOXES, PULL BOXES, CABLE TRAYS, 120 VOLT AC POWER CIRCUITS, LOW VOLTAGE REMOTE CONTROL EQUIPMENT FOR AC POWER ON/OFF, INSULATED GROUND CABLES, AND RELATED ELECTRICAL POWER EQUIPMENT.
2. EXCEPT AS OTHERWISE NOTED ON THE DRAWINGS, THE SOUND CONTRACTOR, UNDER SEPARATE CONTRACT, SHALL FURNISH AND INSTALL ALL SOUND REINFORCEMENT SYSTEM EQUIPMENT (SUCH AS LOUDSPEAKERS, LOUDSPEAKER ENCLOSURES, MOUNTING HARDWARE, AUDIO EQUIPMENT RACKS, AND AUDIO COMPONENTS), RELATED AUDIO AND CONTROL CIRCUITS, AND RELATED MATERIALS.
3. EXCEPT AS OTHERWISE NOTED ON THE DRAWINGS, WHERE LOUDSPEAKER ENCLOSURES ARE SHOWN TO BE CONNECTED DIRECTLY TO CONDUIT, THE SOUND CONTRACTOR SHALL FURNISH THE LOUDSPEAKER ENCLOSURES FOR TIMELY INSTALLATION BY THE ELECTRICAL CONTRACTOR.

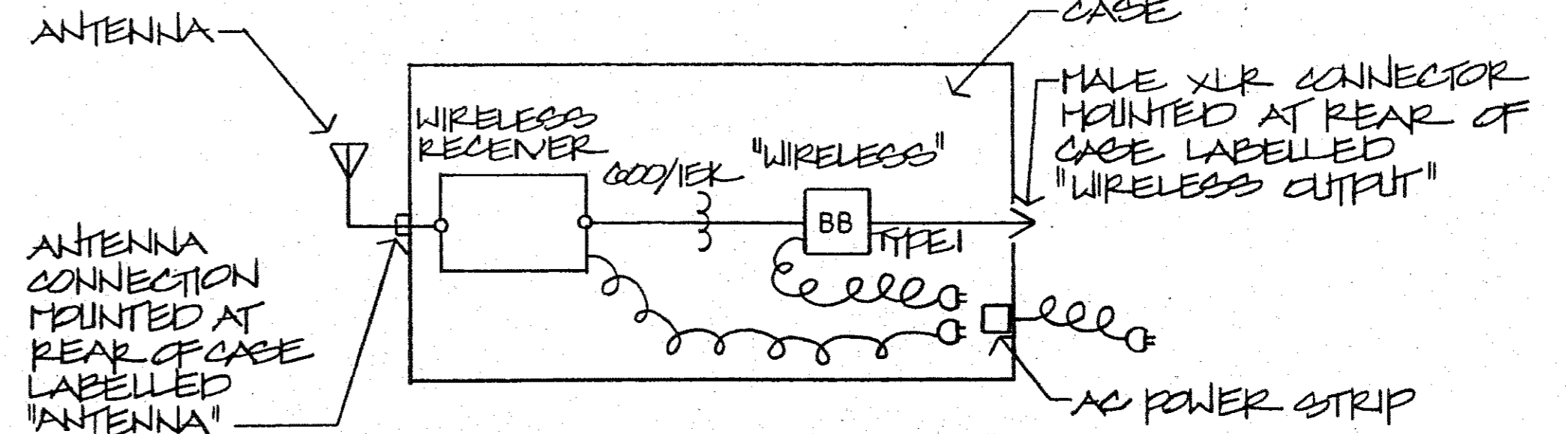
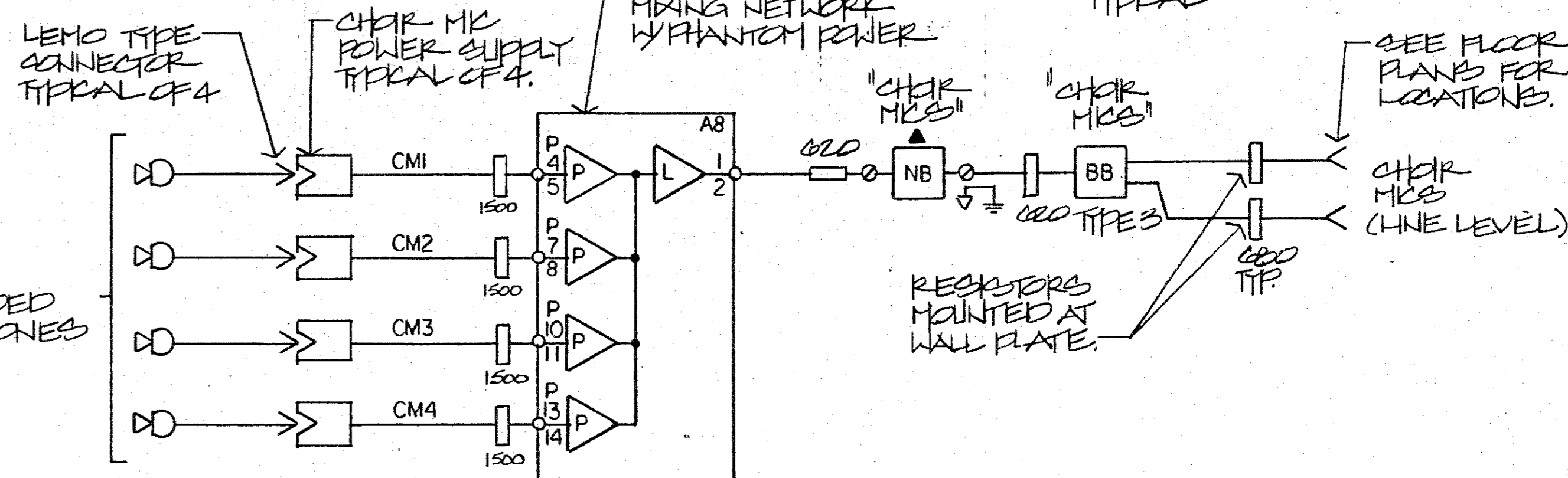
SHEET NUMBER	TITLE
SR1.01	TITLE SHEET, AUDIO SYMBOLS LEGEND, CONDUIT LEGEND
SR1.02	COMMONS AUDIO DIAGRAM, RELAY DIAGRAM
SR1.03	GYMNASIUM AUDIO DIAGRAM, INSTRUMENTAL & VOCAL MUSIC AUDIO DIAGRAM, CIRCULATING CIRCUITS DIAGRAM.
SR1.04	RACK ELEVATIONS, PLATE DETAILS
SR2.01	FLOOR PLAN - AREA C (GYMNASIUM, COMMONS)
SR2.02	REFLECTED CEILING PLAN - AREA C (GYMNASIUM, COMMONS)
SR2.03	FLOOR PLANS/REFLECTED CEILING PLANS - AREA B (MUSIC AND INSTRUMENTAL ROOMS), SUSPENDED MICROPHONE DETAILS.
SR2.04	AC POWER CONNECTION SCHEME, MECHANICAL ROOM DETAIL, SECTION, LOUDSPEAKER CLUSTER DETAIL.

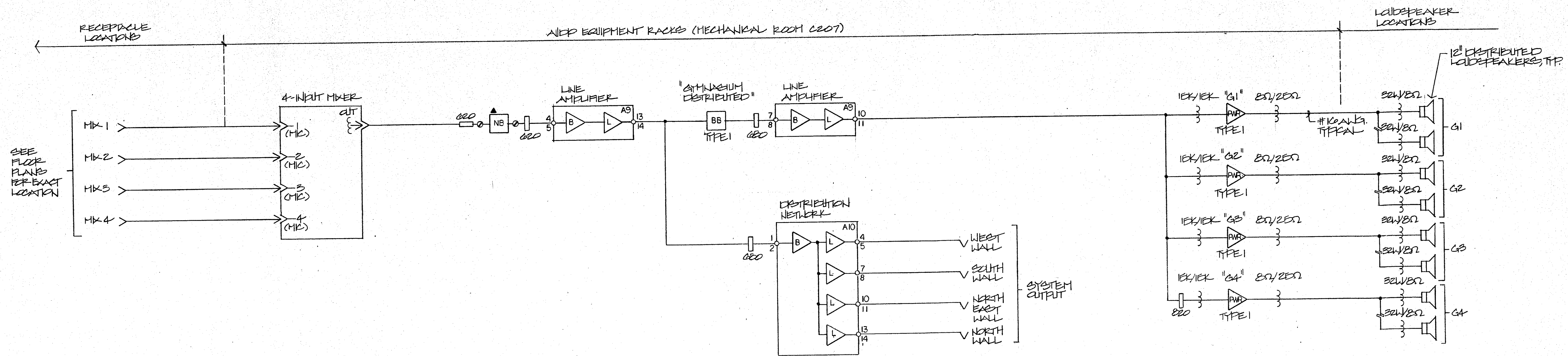
**SOUND REINFORCEMENT SYSTEMS  
COMMONS, GYMNASIUM, INSTRUMENTAL  
AND VOCAL MUSIC ROOMS  
WAMEGO MIDDLE SCHOOL  
WAMEGO, KANSAS**



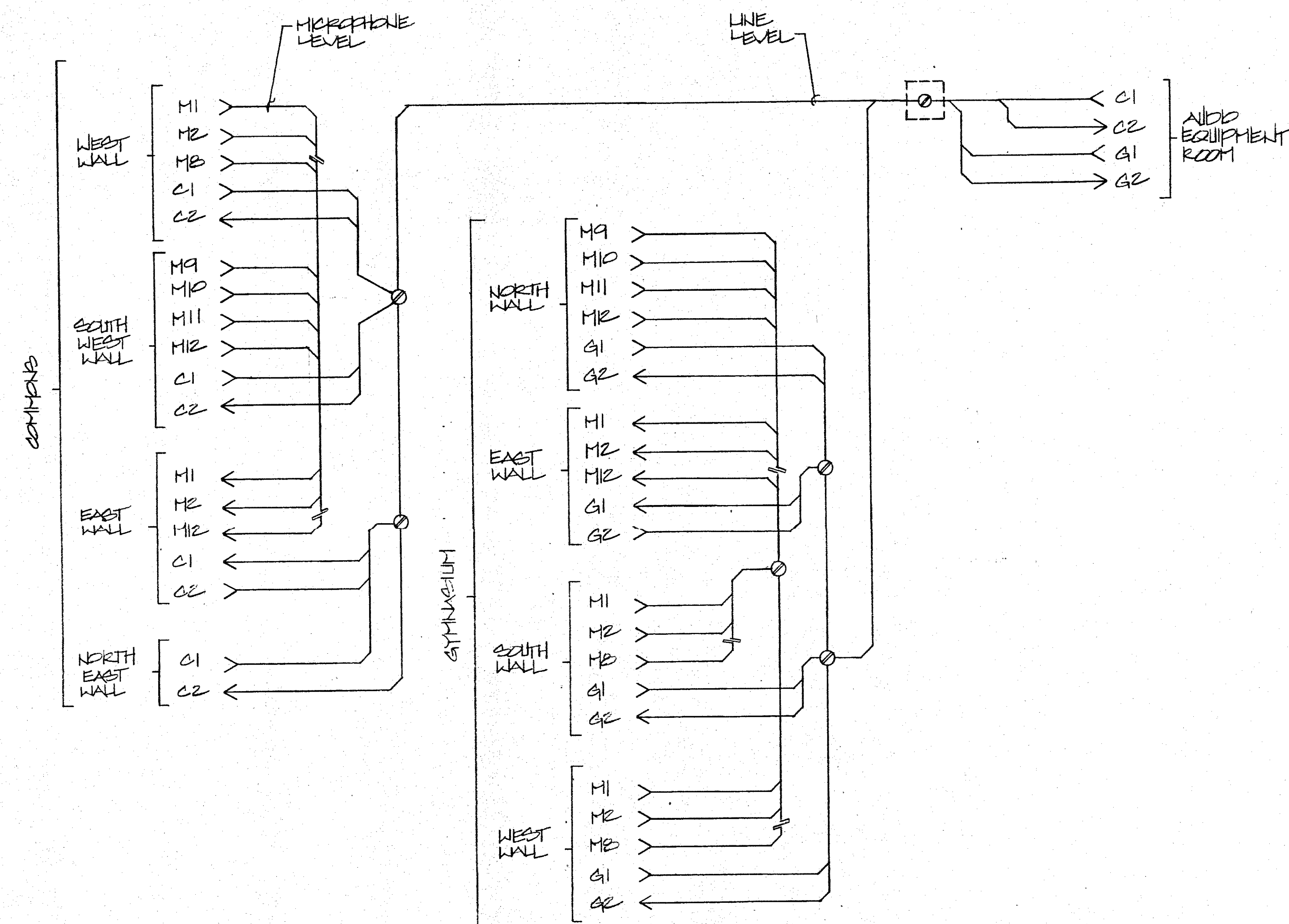


- RELAY NOTES
1. INSTALL MINIMUM 1.0 AMP 200 P.I.V. SHUNT DIODE ACROSS EACH RELAY COIL FOR SUPPRESSING COUNTER E.M.F.
  2. RELAY TYPES ARE INDICATED BY PREFIX:  
RA = TYPE 1 (AUDIO CIRCUITS)  
RC = TYPE 2 (CONTROL CIRCUITS)  
RS = TYPE 3 (LOUDSPEAKER CIRCUITS)
  3. SWITCH BOTH HIGH AND LOW SIDE OF ALL AUDIO CIRCUITS.
  4. ALL RELAY CONTACTS ARE SHOWN WITH THE RELAY COIL NOT ENERGIZED.
  5. EACH RELAY COIL IS SHOWN FOR FUNCTION. SOME RELAY FUNCTIONS MAY REQUIRE MULTIPLE RELAYS TO PROVIDE THE FUNCTIONS INDICATED. REFER TO AUDIO DIAGRAMS FOR ADDITIONAL CONTACTS.
  6. RELAYS AND RELAY POWER SUPPLY SHALL BE MOUNTED IN AUDIO EQUIPMENT RACKS.

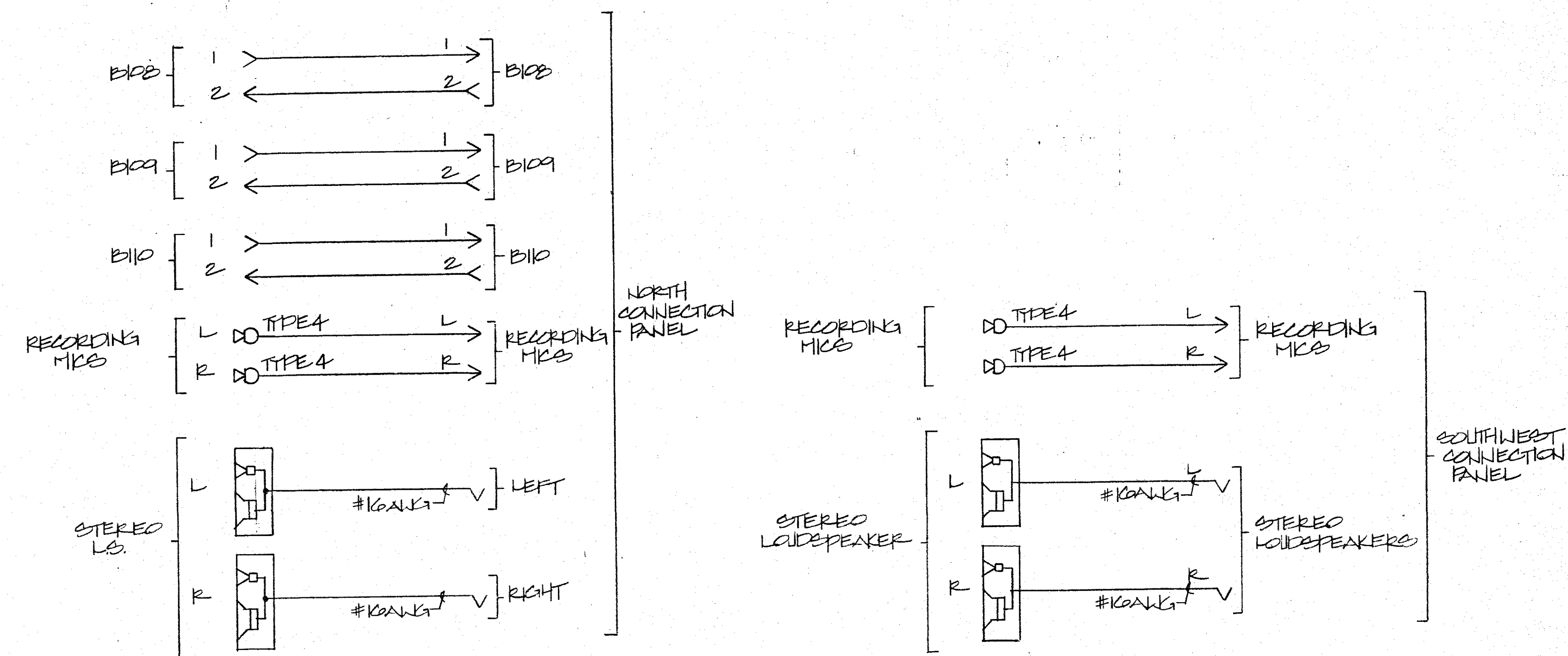




**GYMNASIUM AUDIO DIAGRAM**

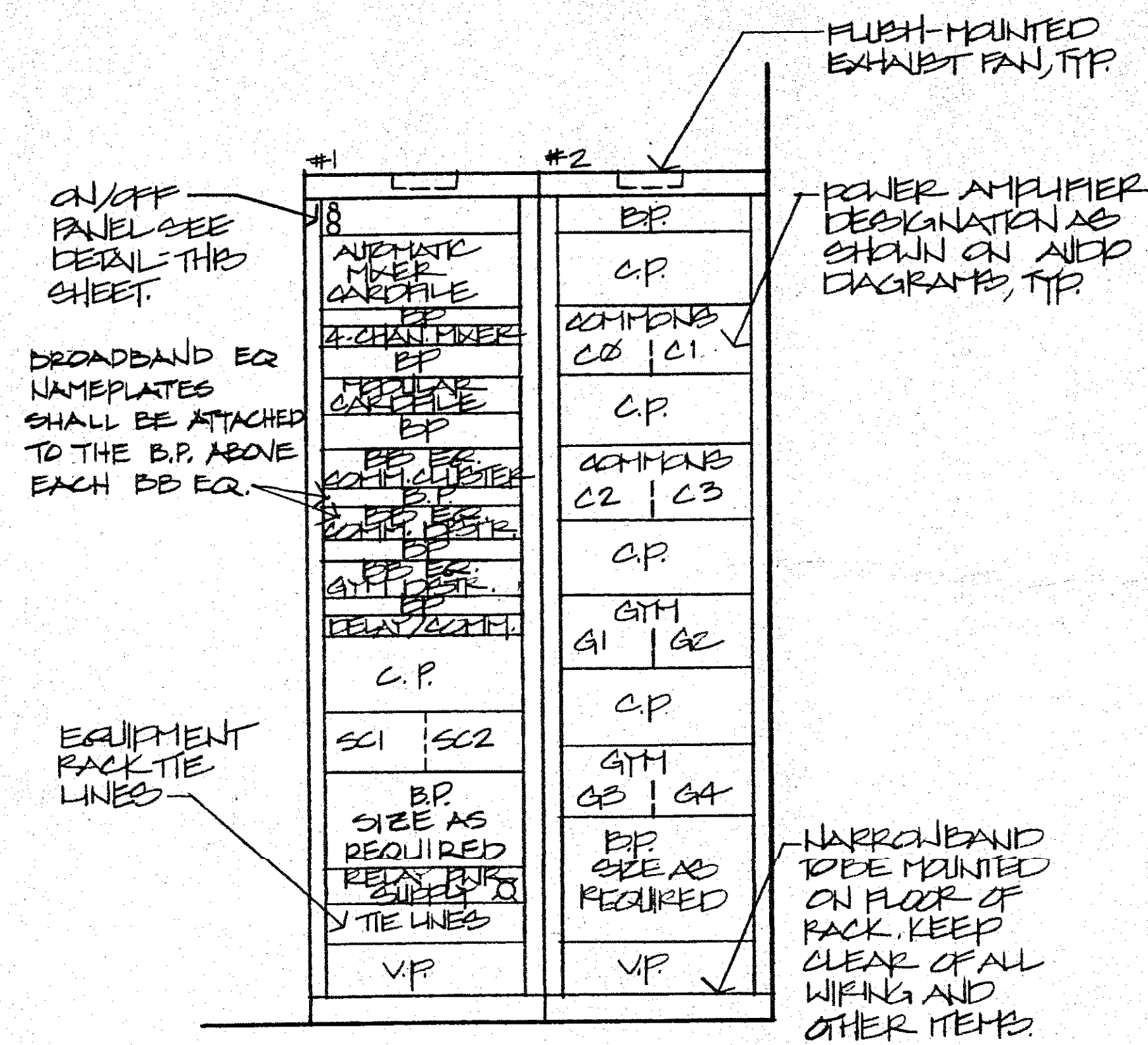


**GYMNASIUM & COMMONS CIRCULATING CIRCUITS DIAGRAM**



**INSTRUMENTAL MUSIC ROOM AUDIO DIAGRAM**

**VOCAL MUSIC ROOM AUDIO DIAGRAM**

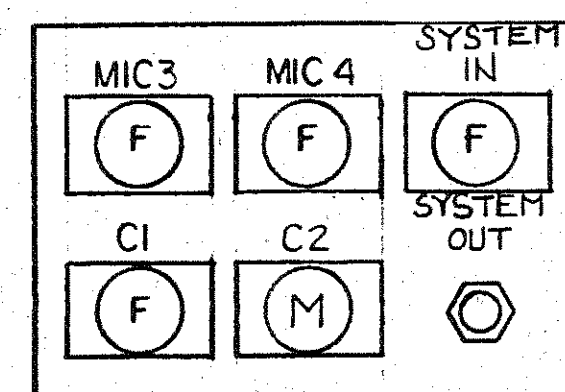


**AUDIO EQUIPMENT RACK FRONT PANEL LAYOUT**

APPROX. 1/2 FULL SIZE

**EQUIPMENT RACK NOTES:**

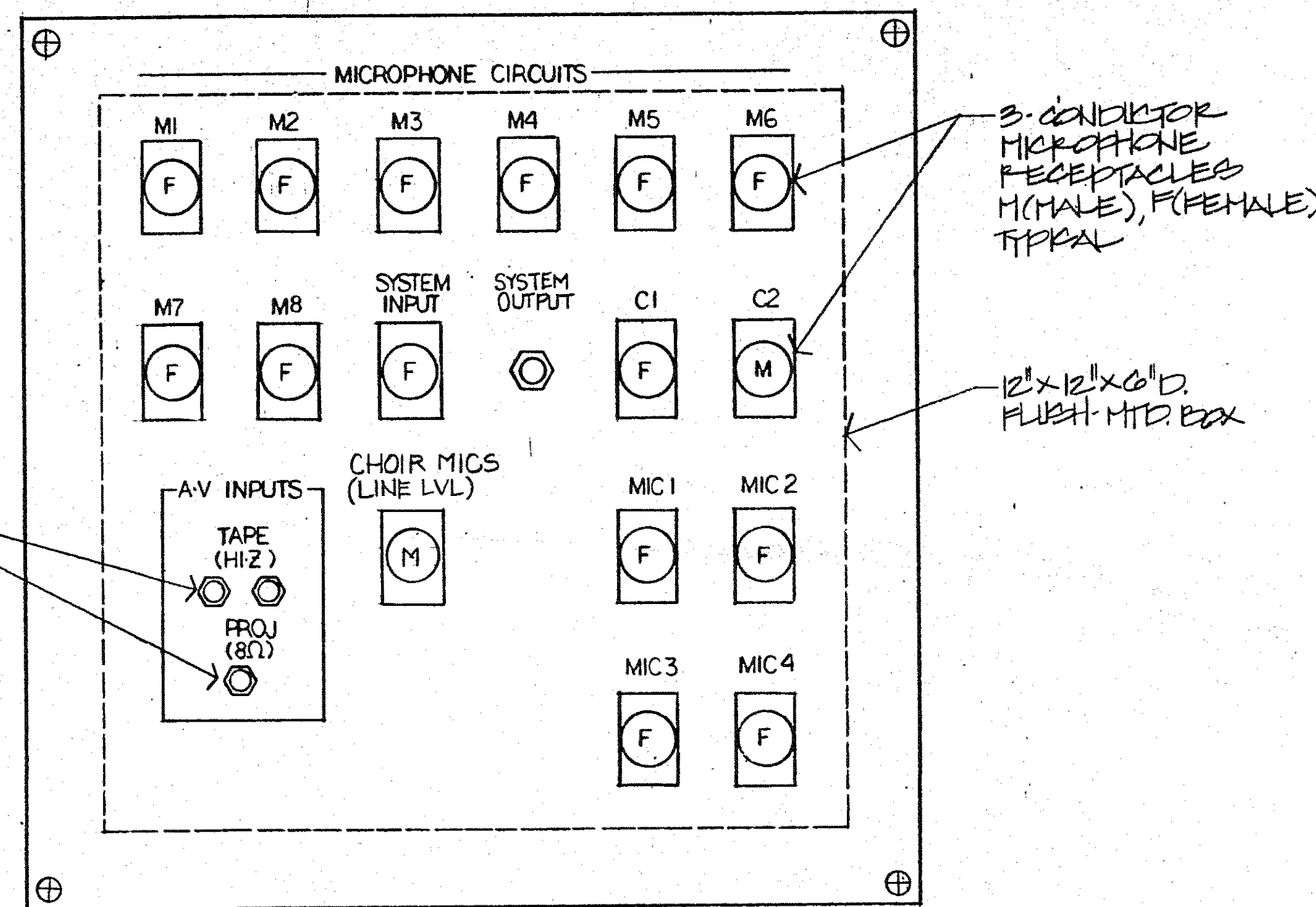
- RACK PANEL ABBREVIATIONS:  
B.P. = BLANK PANEL. 1-3/4 INCHES UNLESS NOTED OTHERWISE.  
V.P. = VENT PANEL. PERFORATED, SIZE AS NOTED.  
C.P. = COMPONENT MOUNTING PANEL. 7-INCH BLANK PANEL. MOUNT THE FOLLOWING COMPONENTS, WHERE APPLICABLE, BEHIND A BLANK PANEL DIRECTLY ABOVE ASSOCIATED POWER AMPLIFIER: POWER AMPLIFIER INPUT TRANSFORMER, HORN DRIVER PROTECTOR, AND LINE MATCHING AUTOTRANSFORMER. MOUNT COMPONENTS WITH CONNECTIONS VISIBLE FROM REAR OF EQUIPMENT RACK USING BARRIER STRIP FOR CONNECTIONS.
- IF POWER AMPLIFIERS FURNISHED HAVE INTEGRAL INPUT TRANSFORMERS AND DO NOT REQUIRE A SEPARATE OUTPUT LINE MATCHING AUTOTRANSFORMER OR HORN DRIVER PROTECTOR, THE COMPONENT MOUNTING PANEL (C.P.) MOUNTED ABOVE THAT POWER AMPLIFIER MAY BE MINIMUM 3-1/2 INCHES HIGH.
- LABEL EACH COMPONENT (SUCH AS EACH BROADBAND EQUALIZER, AUDIO DELAY DEVICE, CROSSOVER, AND POWER AMPLIFIER) WITH THE CIRCUIT OR COMPONENT NUMBER PLUS A BRIEF DESCRIPTIVE TITLE. REFER TO SPECIFICATIONS FOR DETAILED LABELING REQUIREMENTS.
- RACK LAYOUT SHOWN IS BASED ON A PARTICULAR MODEL POWER AMPLIFIER AND SIGNAL PROCESSING EQUIPMENT, AND IS OFFERED FOR CONCEPT ONLY. REVISE LAYOUT AS REQUIRED FOR EQUIPMENT TO BE FURNISHED AND INSTALLED. REVISE LAYOUT AS REQUIRED FOR ANY CHANGES DUE TO ALTERNATES ACCEPTED OR REJECTED. VERIFY ALL SIZES AND SPACING.
- INSTALL EQUIPMENT RACKS IN AUDIO EQUIPMENT ROOM AS SHOWN ON THE DRAWINGS. VERIFY ALL ROOM DIMENSIONS AND CONDITIONS.
- REFER TO SPECIFICATIONS FOR ADDITIONAL RACK REQUIREMENTS AND FOR SUBMITTAL REQUIREMENTS.



**NORTH COMMONS PLATE DETAIL**

APPROX. 1/2 FULL SIZE

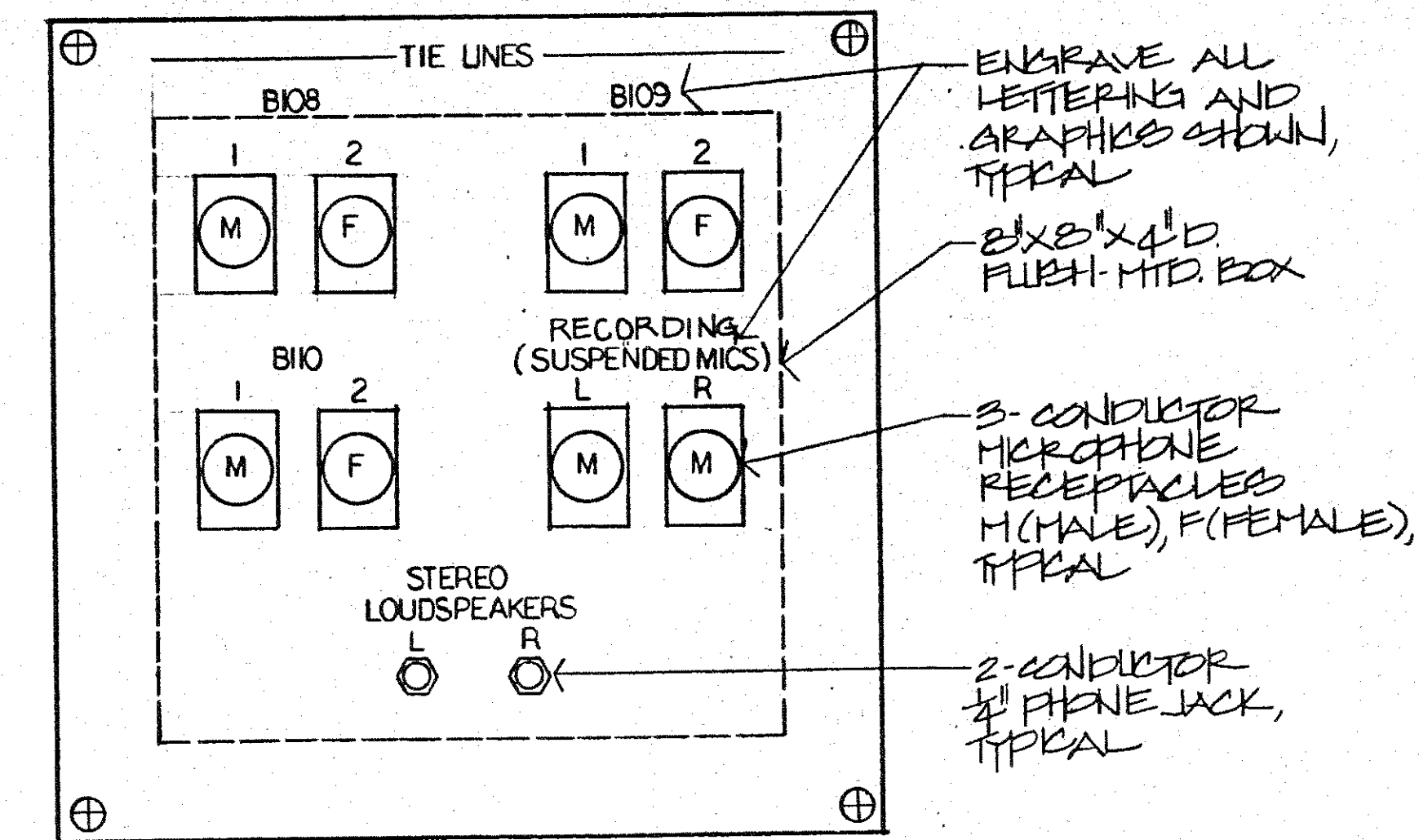
I-M 36



**WEST COMMONS PLATE DETAIL**

APPROX. 1/2 FULL SIZE

I-M



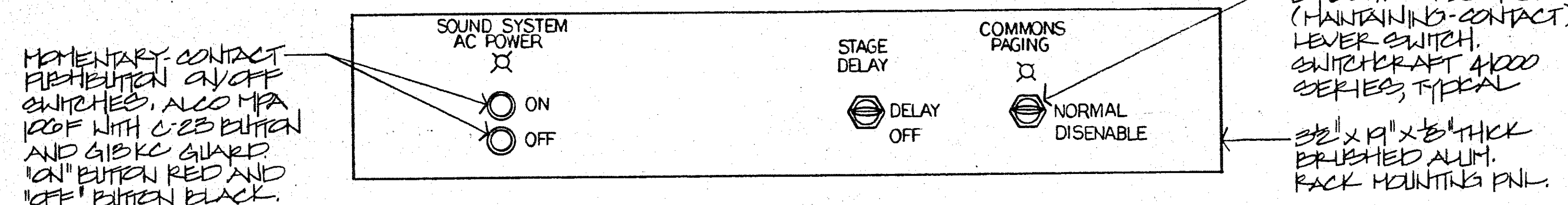
**INSTRUMENTAL MUSIC ROOM PLATE DETAIL**

APPROX. 1/2 FULL SIZE

I-M

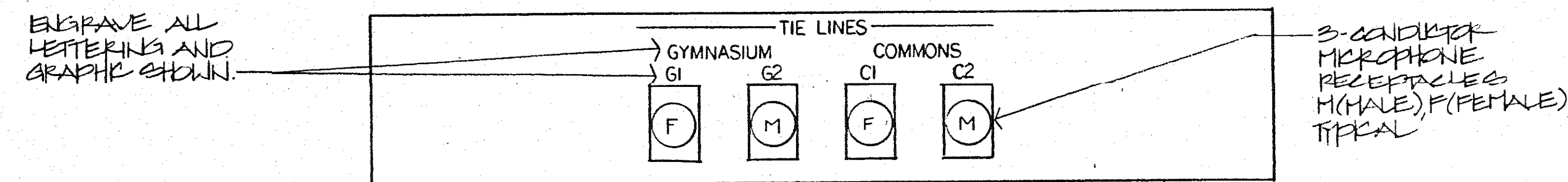
**GENERAL PANEL AND PLATE NOTES:**

- VERIFY ALL DIMENSIONS AND SPACING FOR PANEL MOUNTED COMPONENTS AND ENGRAVING.
- ALL KNOBS FOR POTS SHALL BE MATCHED IN APPEARANCE AND W/OUTSIDE DIAMETERS INDICATED.
- PANELS NOT DETAILED SHALL BE SIMILAR IN LAYOUT AS THOSE SHOWN AND AS REQUIRED FOR COMPONENTS MOUNTED.
- COLOR & FINISH OF PANEL AND COLOR OF ENAMEL FILL FOR ENGRAVING SHALL BE AS APPROVED BY ARCHITECT.
- WHERE SPACE PERMITS, AVOID ABBREVIATIONS AND SPELL OUT WORD COMPLETELY.
- REVISE AS REQUIRED FOR ALTERNATES ACCEPTED OR REJECTED.
- SEE SPECS FOR DETAILED NAMEPLATE AND PANEL REQUIREMENTS, AND FOR SUBMITTAL REQUIREMENTS.
- VERIFY FINAL ROOM NUMBERS WITH ARCHITECT PRIOR TO ANY PLATE OR PANEL FABRICATION.



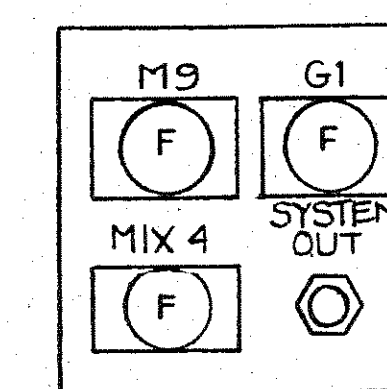
**ON/OFF PANEL DETAIL**

APPROX. 1/2 FULL SIZE



**TIE LINE RACK PANEL DETAIL**

APPROX. 1/2 FULL SIZE



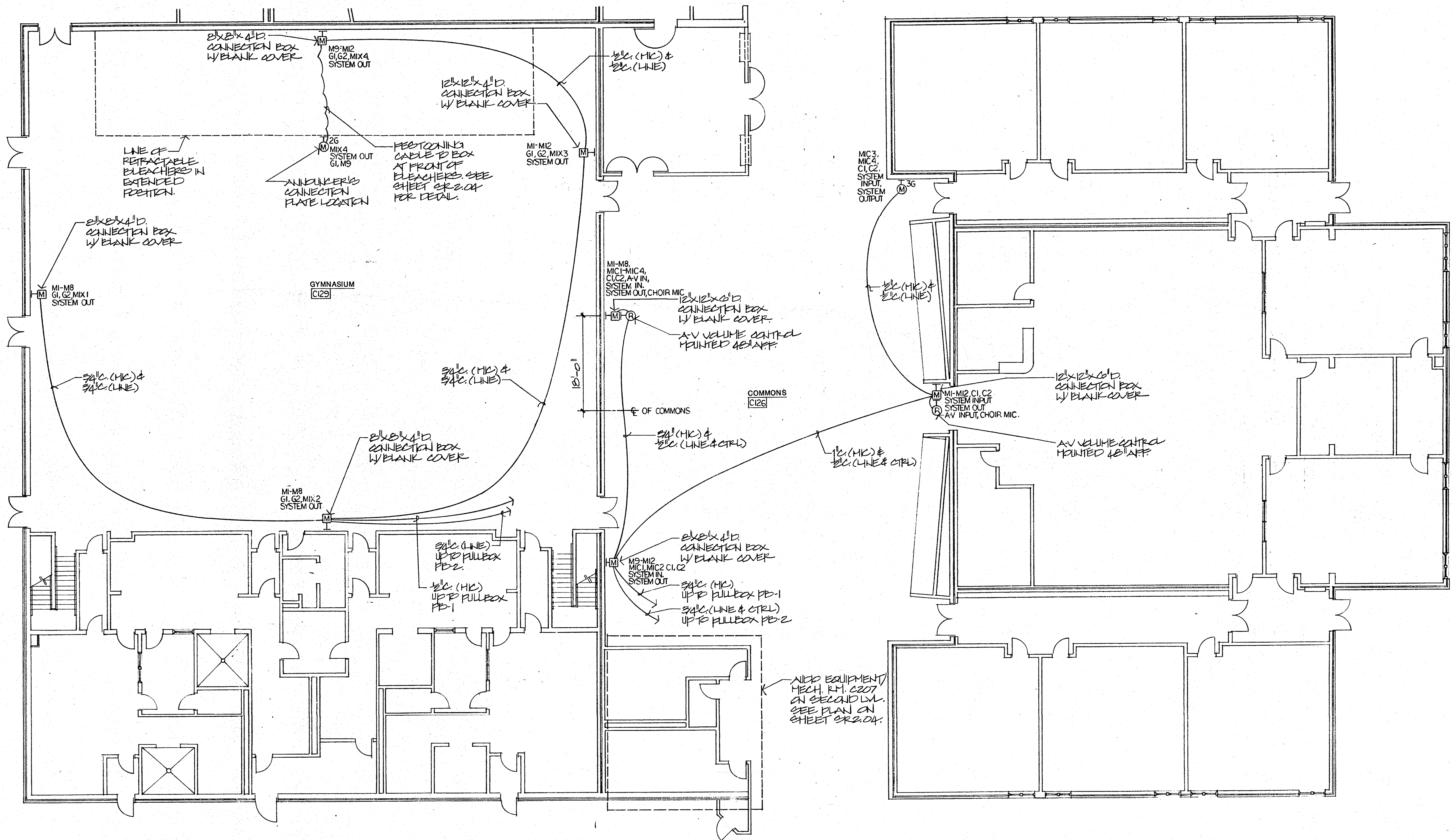
**ANNOUNCER'S PLATE DETAIL**

APPROX. 1/2 FULL SIZE

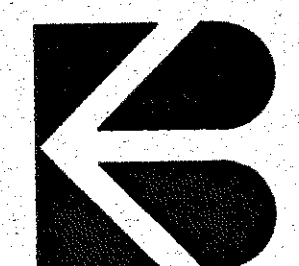
I-M 26

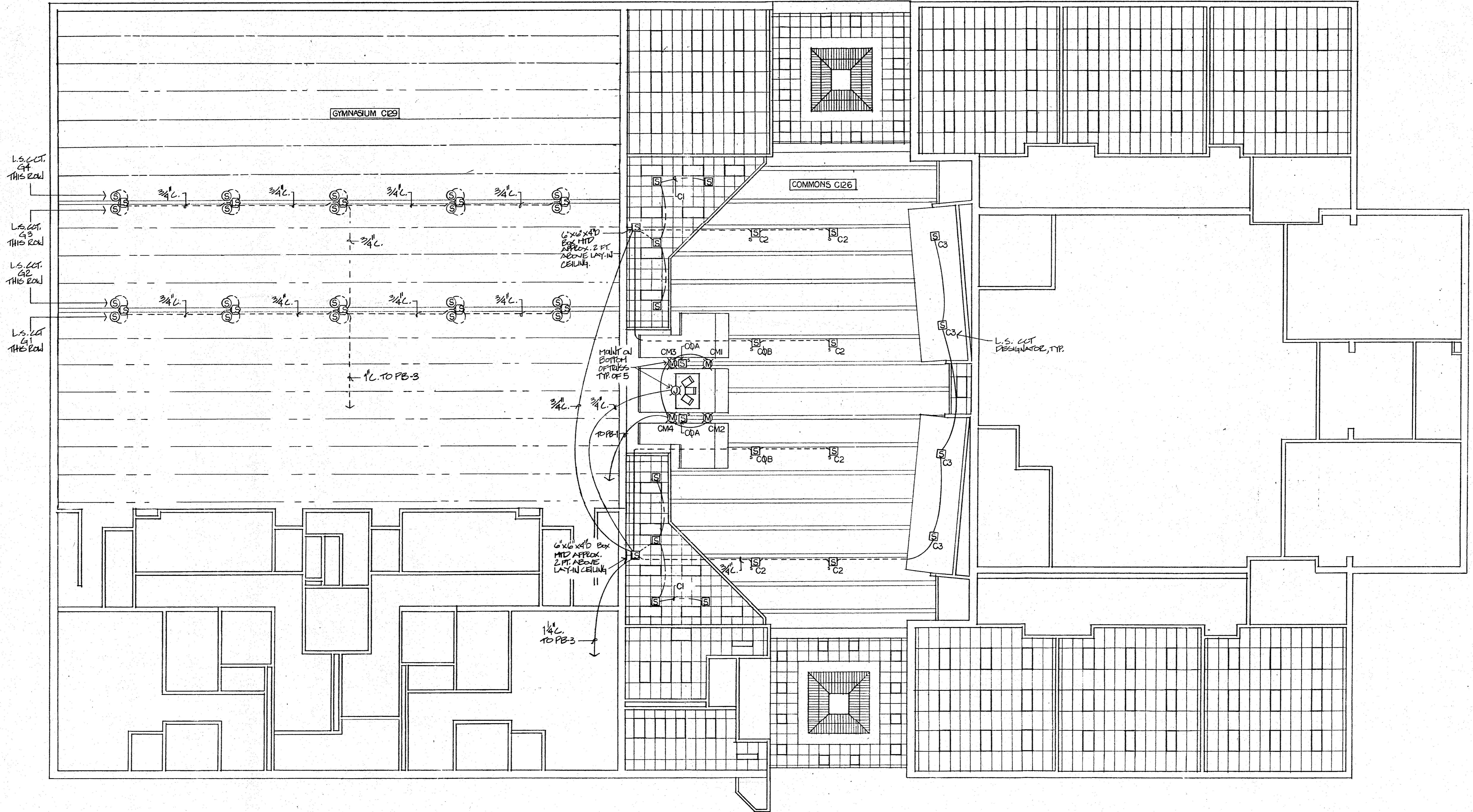






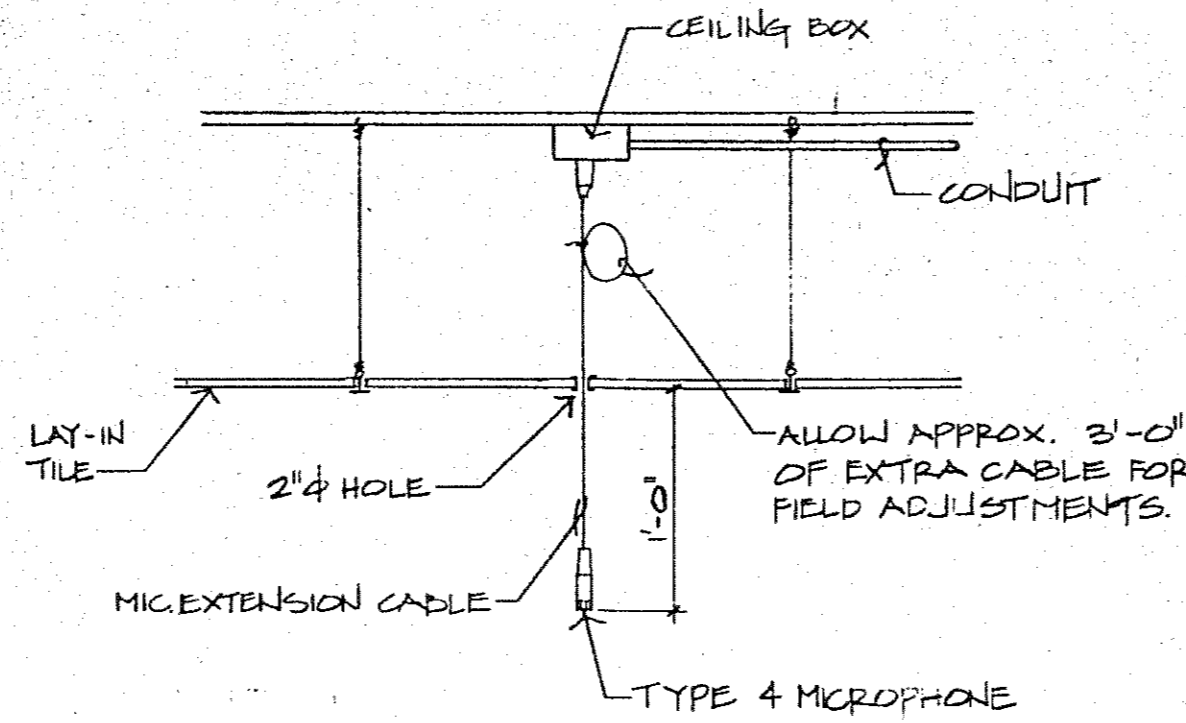
PLAN NORTH  
 TRUE NORTH  
**FLOOR PLAN - AREA "C"**  
 1/8" = 1'-0"



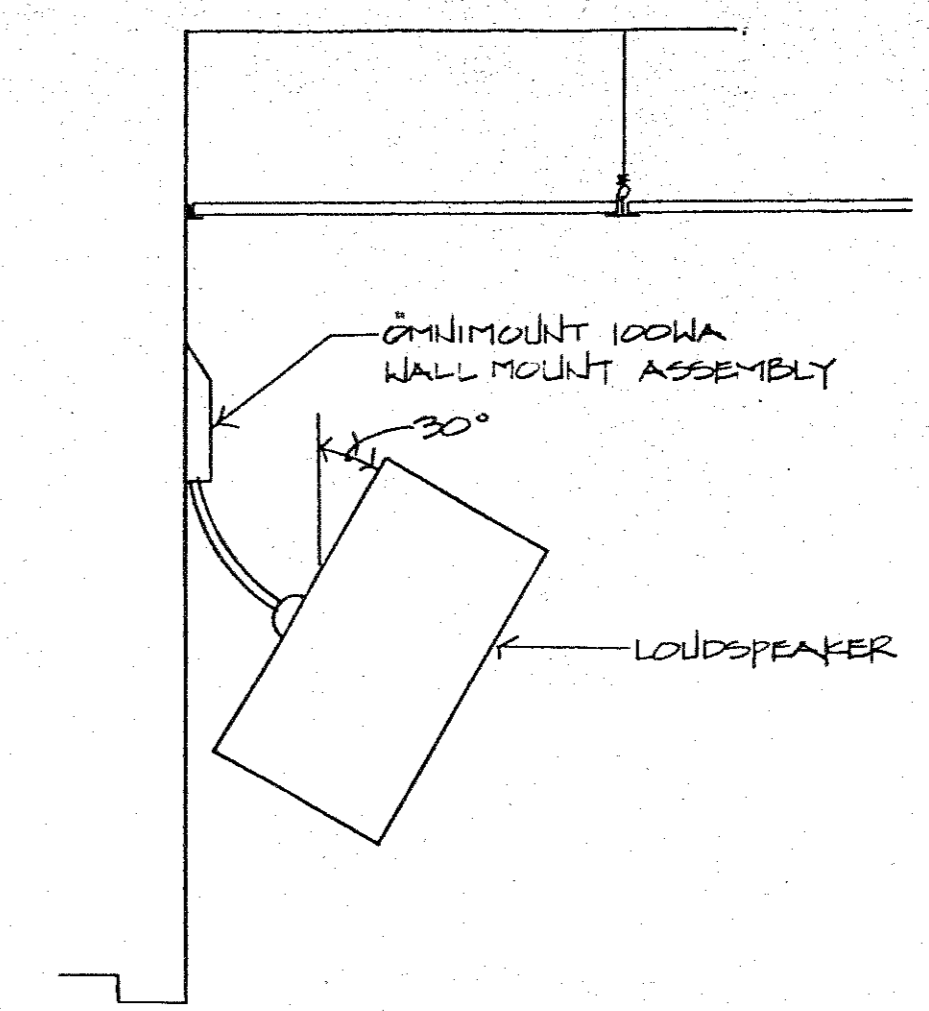


PLAN NORTH  
 TRUE NORTH  
**REFLECTED CEILING PLAN AREA - "C"**  
 1/8" = 1'-0"

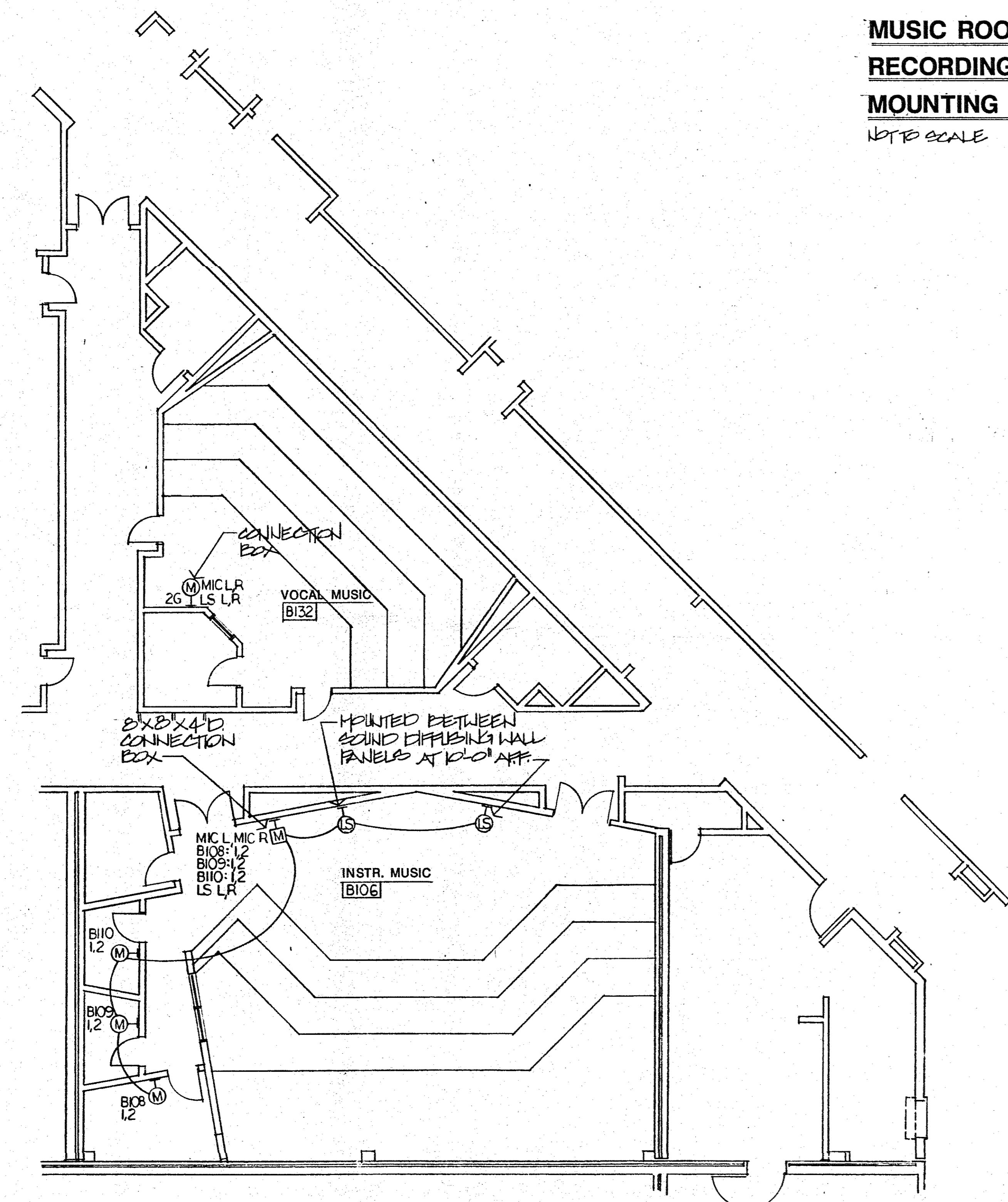




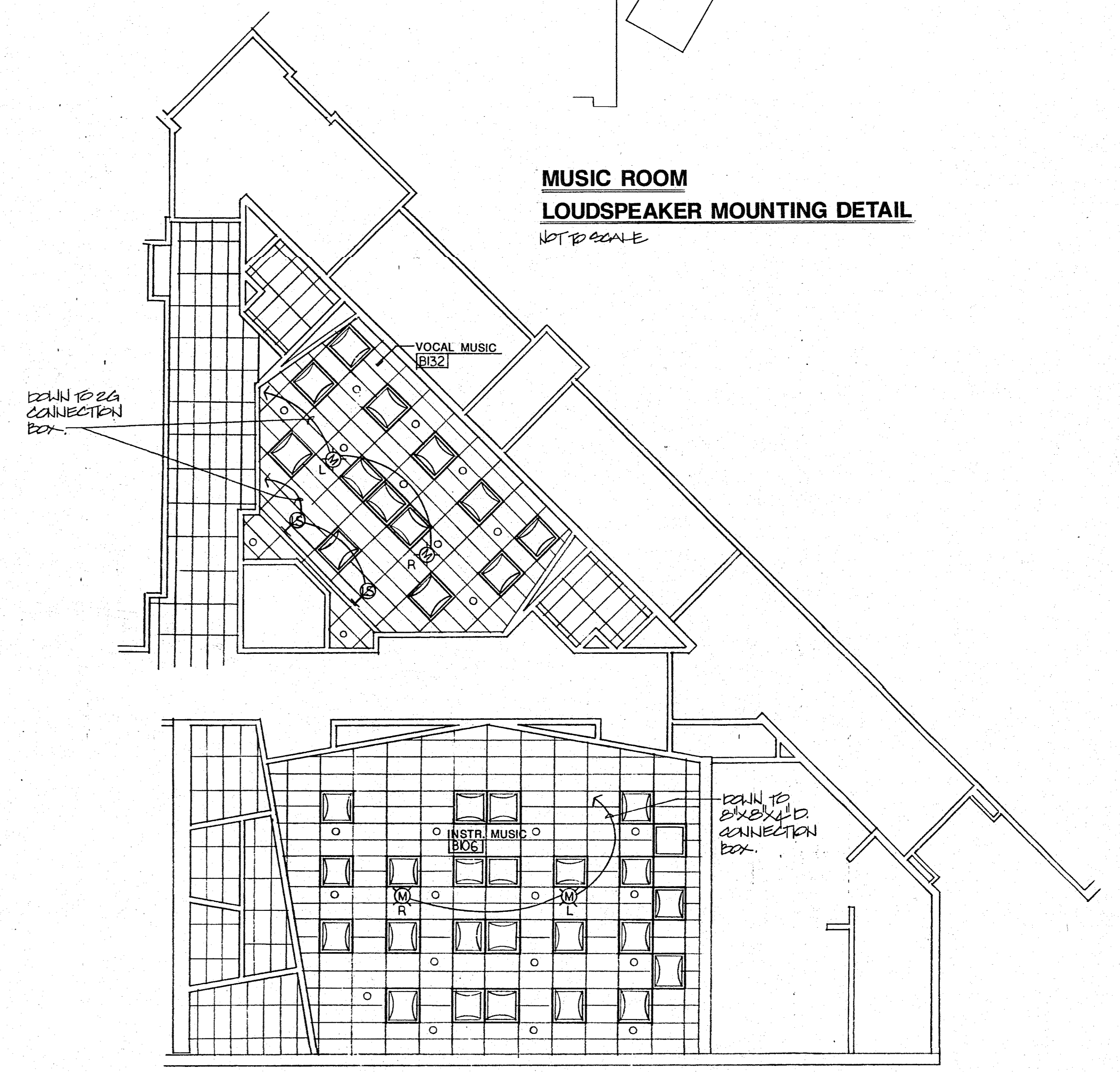
**MUSIC ROOM  
RECORDING MICROPHONE  
MOUNTING DETAIL**  
NOT TO SCALE



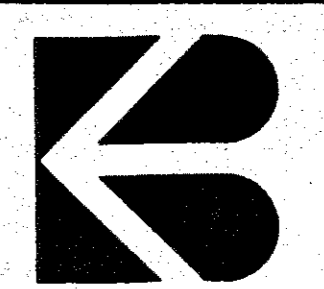
**MUSIC ROOM  
LOUDSPEAKER MOUNTING DETAIL**  
NOT TO SCALE

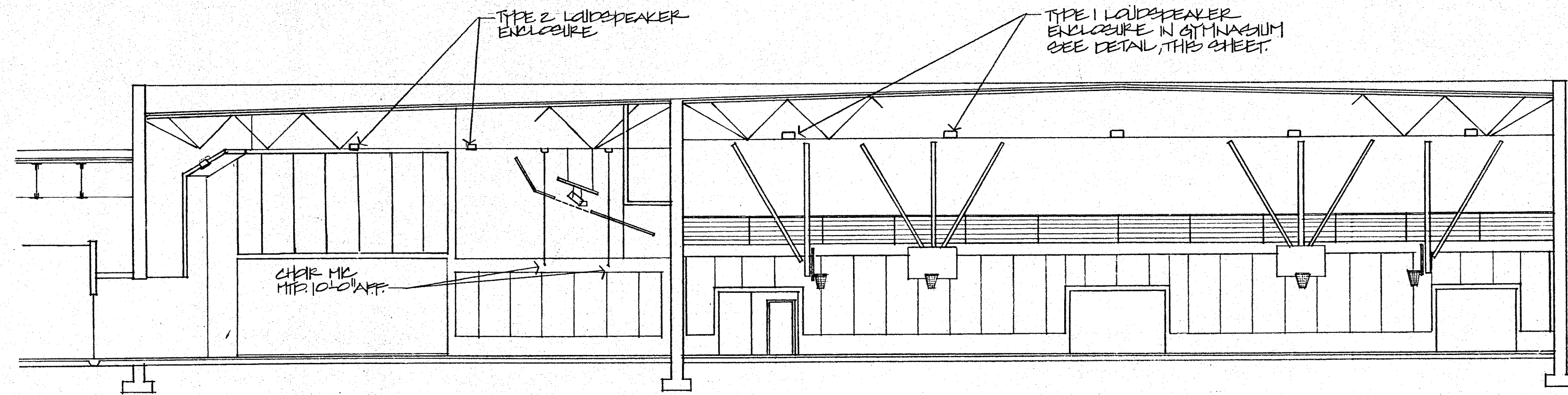


PLAN NORTH  
TRUE NORTH  
**FLOOR PLAN - AREA "B"**  
1/8" = 1'-0"



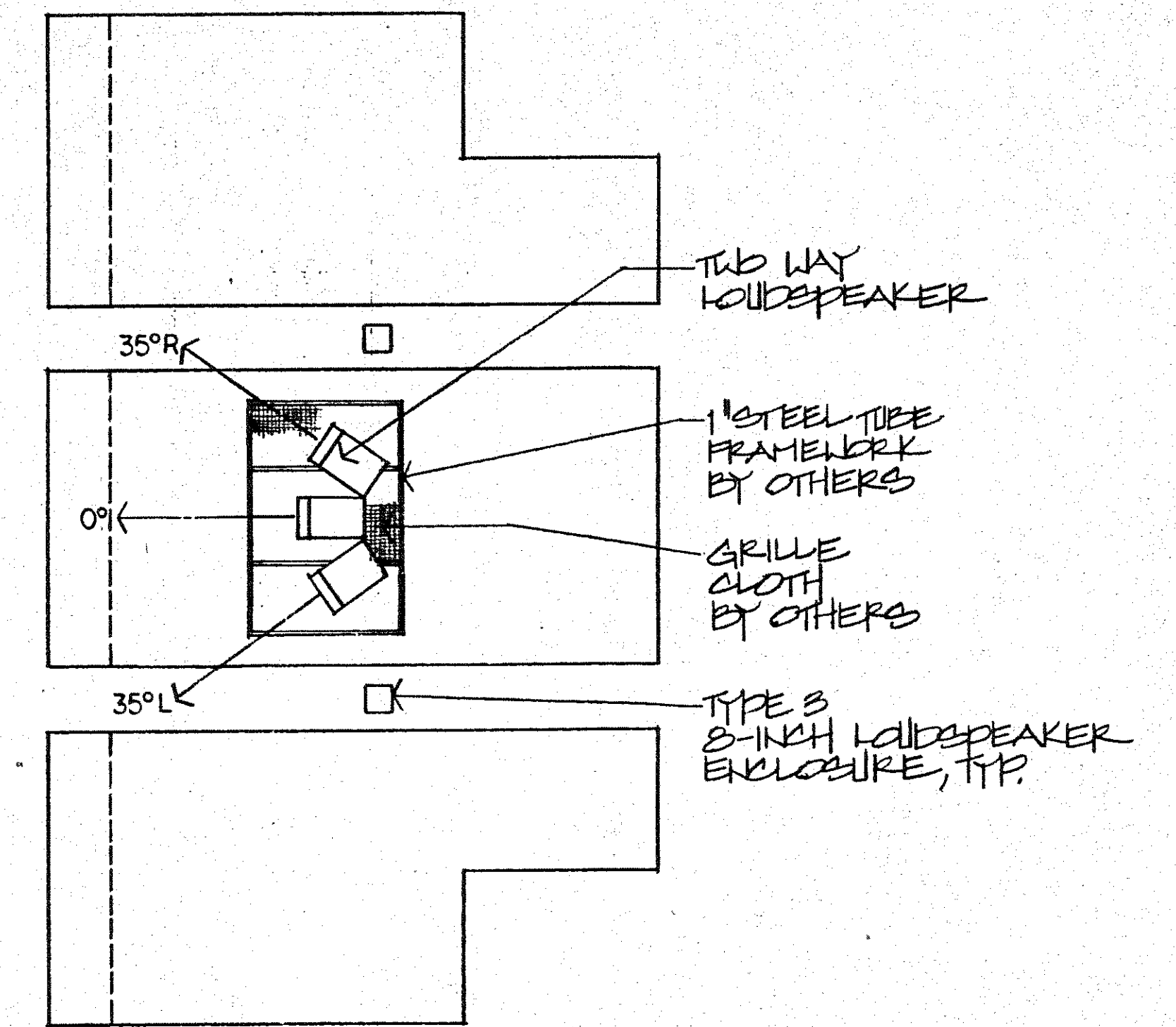
PLAN NORTH  
TRUE NORTH  
**REFLECTED CEILING PLAN - AREA "B"**  
1/8" = 1'-0"





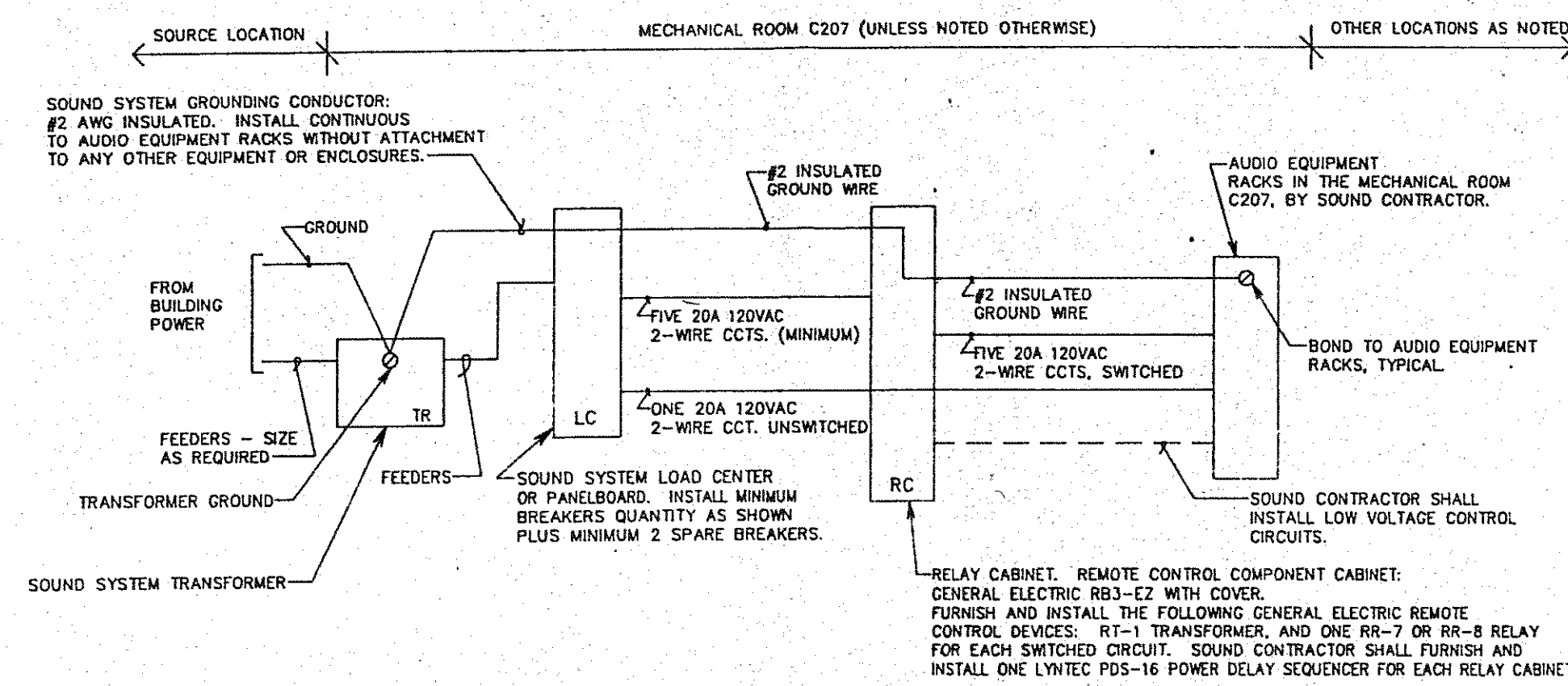
**COMMONS / GYMNASIUM - SECTION LOOKING SOUTH**

1/8" = 1'-0"



**PLAN - COMMONS LOUDSPEAKER CLUSTER**

1/8" = 1'-0"

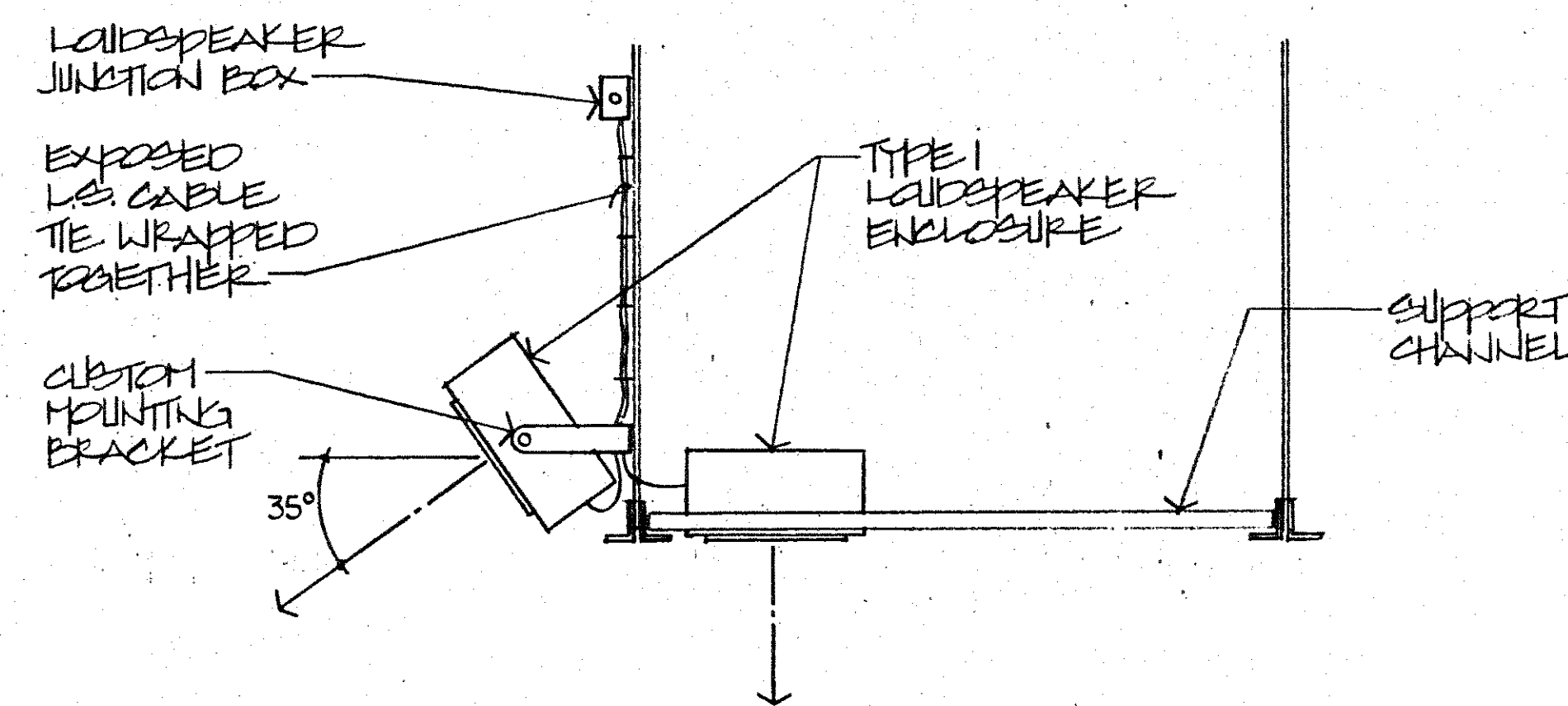


**SOUND SYSTEM AC POWER CONNECTION SCHEME**

ALL ITEMS SHALL BE INSTALLED IN THE MECHANICAL ROOM C207 UNLESS NOTED OTHERWISE. SEE ENLARGED PLAN THIS SHEET.

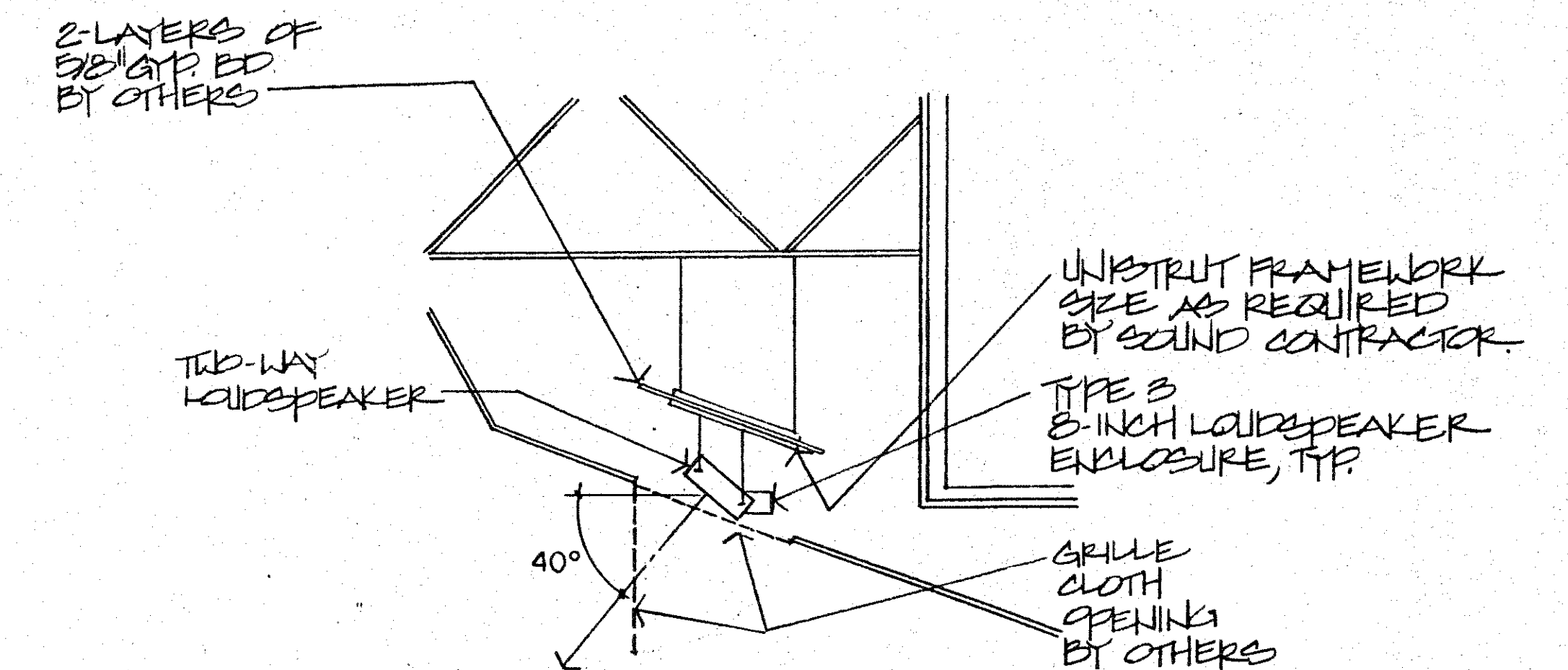
**TYPICAL AC POWER CONNECTION NOTES:**

1. ALL ITEMS SHOWN ON THIS DIAGRAM SHALL BE FURNISHED BY THE PROJECT ELECTRICAL CONTRACTOR UNLESS NOTED OTHERWISE.
2. EACH AC CIRCUIT SHALL BE 2-WIRE, EACH HAVING A SEPARATE NEUTRAL CONDUCTOR.
3. AS DIRECTED BY THE SOUND CONTRACTOR, THE ELECTRICAL CONTRACTOR SHALL TERMINATE ALL AC AND GROUND CIRCUITS WITHIN THE RACKS. TERMINATION DEVICES WITHIN THE RACKS SHALL BE FURNISHED BY THE SOUND CONTRACTOR.
4. QUANTITY OF AC CIRCUITS SHOWN TO EACH ROW OF RACKS IS APPROXIMATE WITH THE EXACT QUANTITY AS DIRECTED BY THE SOUND CONTRACTOR.



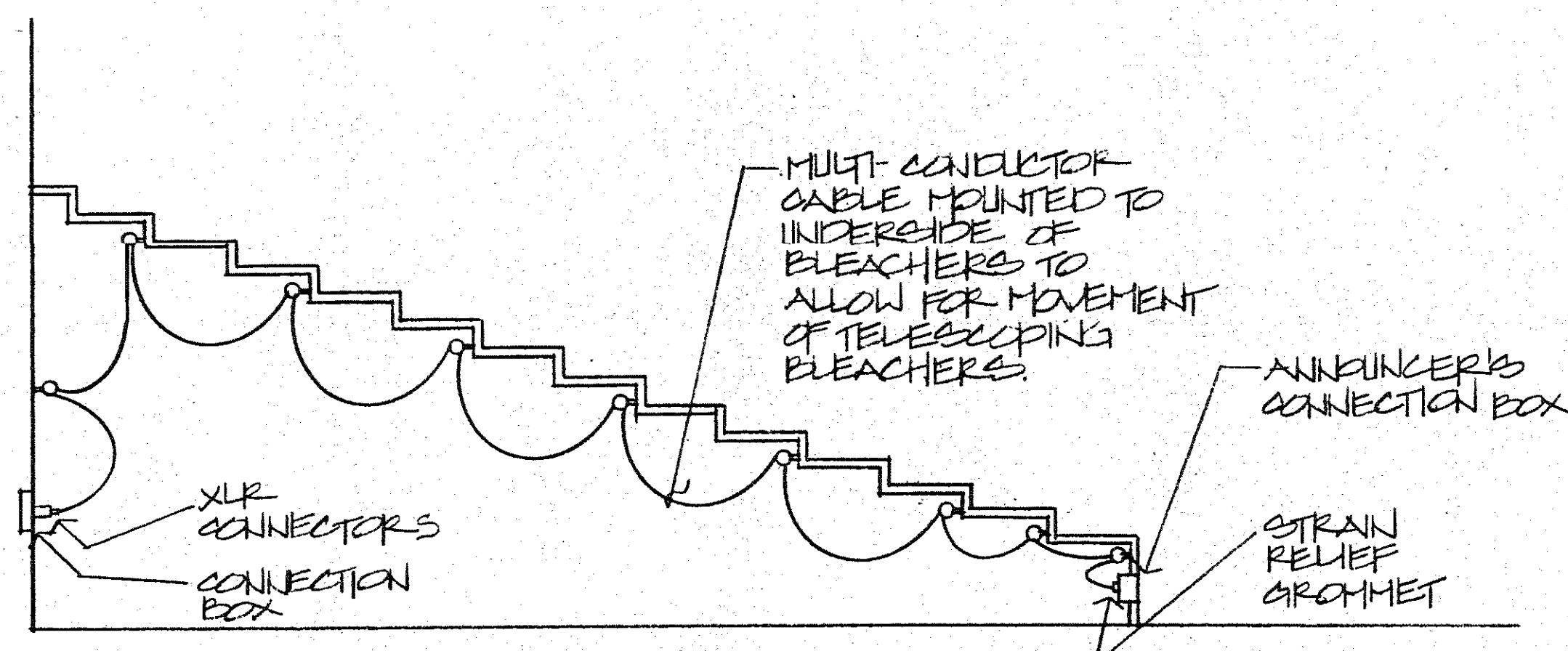
**GYMNASIUM LOUDSPEAKER MOUNTING DETAIL**

3/4" = 1'-0"



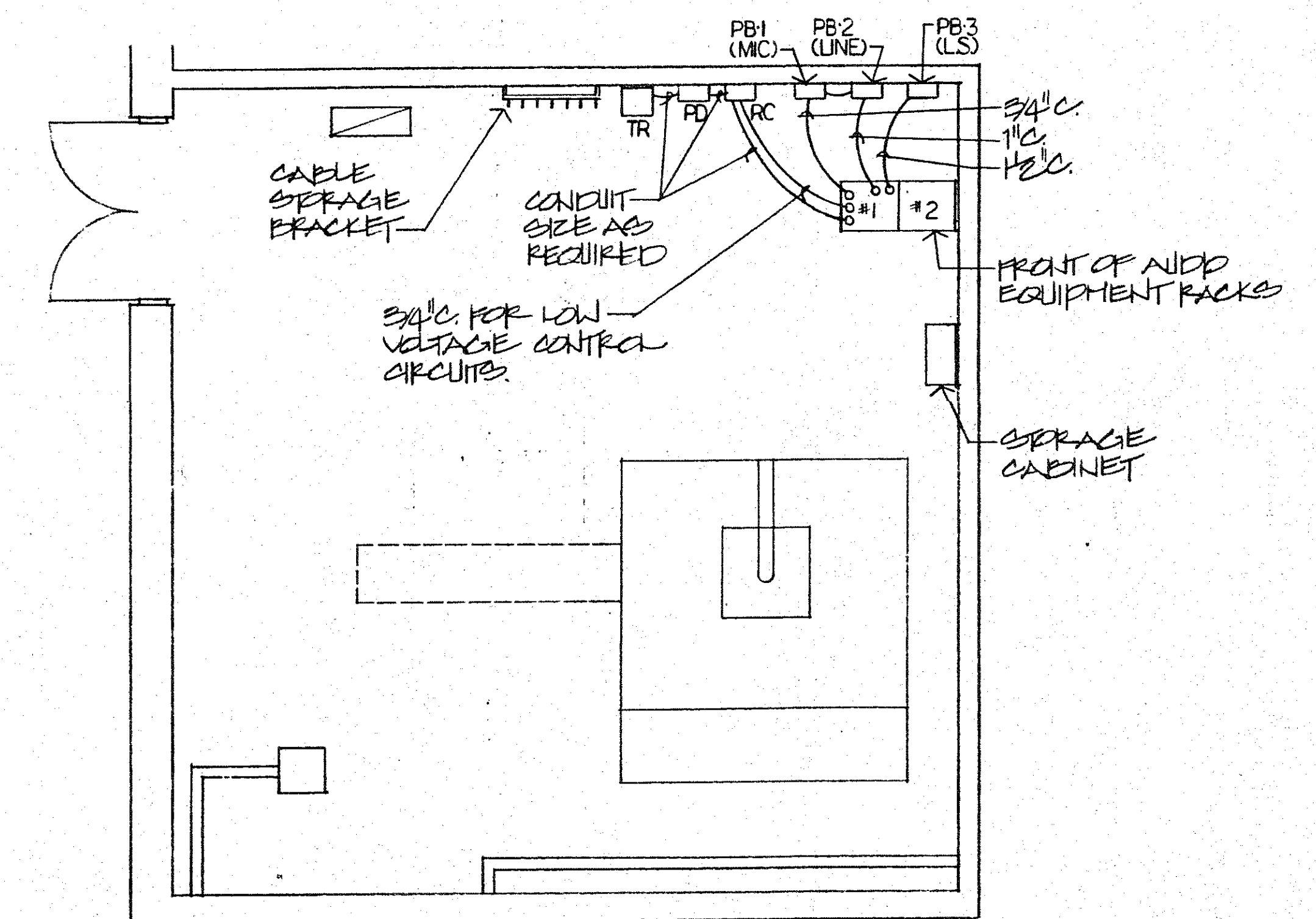
**SECTION - COMMONS LOUDSPEAKER CLUSTER**

1/8" = 1'-0"



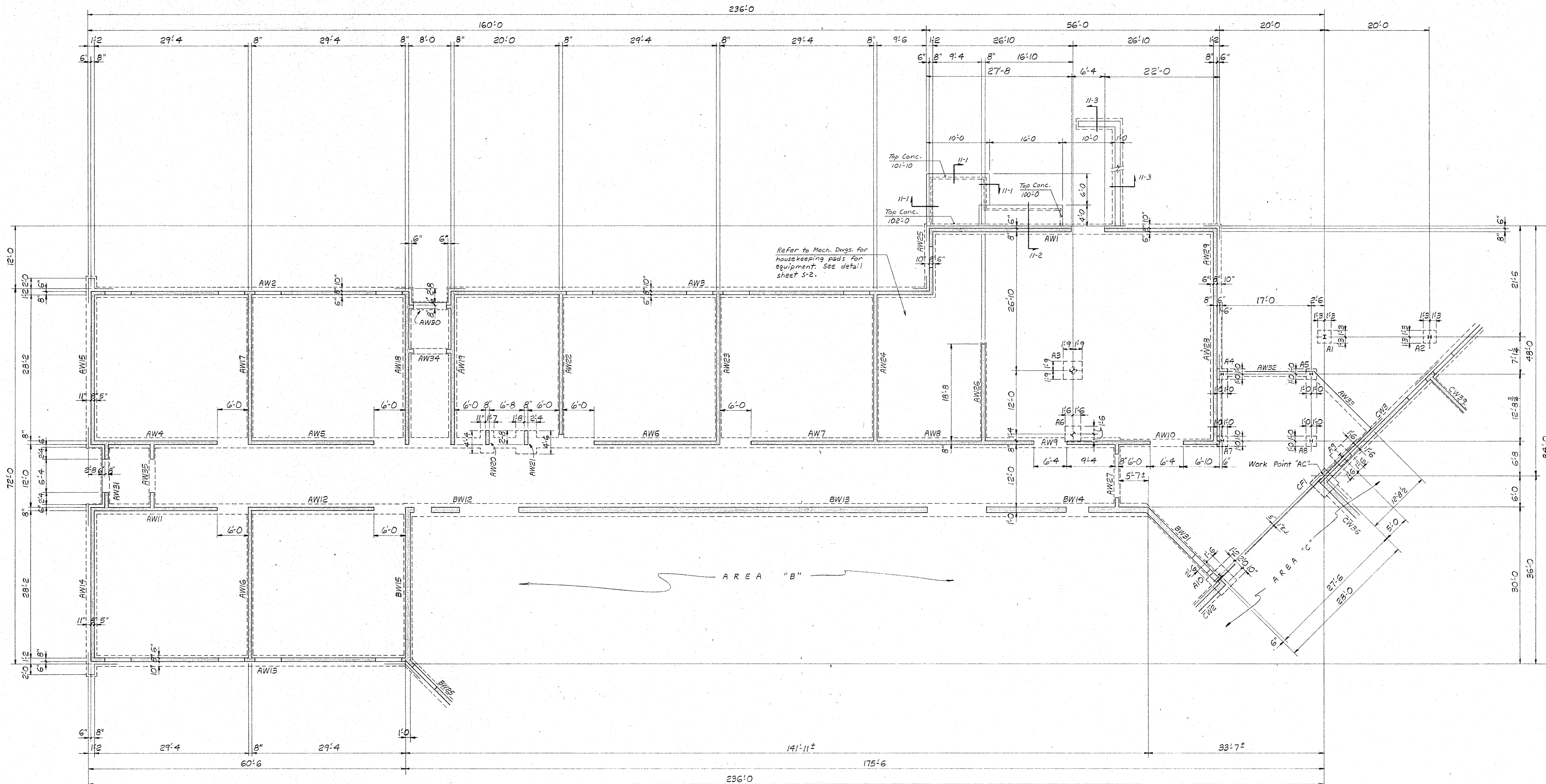
**BLEACHER FESTOONING DETAIL**

NOT TO SCALE



**AUDIO EQUIPMENT ROOM / MECHANICAL ROOM #C207**

1/8" = 1'-0"



AREA "A"  
FIRST FLOOR & FOUNDATION PLAN  
Scale: 1/8" = 1'-0"

Note: Unless otherwise shown all slabs on grade shall be 5" thick and reinforced with 1-layer of 6x6-W2.9xW2.9 WWF.  
Elevation Top of Slab = 100'-0"

**STRUCTURAL GENERAL NOTES**

**FOUNDATIONS:**  
All column and wall footings shall bear on inorganic, native clay material or controlled compacted backfill material capable of safely supporting a bearing pressure of 3500 psf. A qualified engineering geologist shall verify the proper depth, quality of bearing material, and condition of bottom of excavation for all footings prior to placing of concrete.  
All foundation walls are designed as continuous bearing walls and may be "trench" excavated and poured to faces of neat excavation. The width of trench excavations shall be as scheduled. Spread footings integral with foundation walls shall be excavated to the proper sizes given and poured with foundation walls.  
See Specifications for additional criteria.

**CONCRETE AND REINFORCING STEEL:**  
The structural concrete has been designed in accordance with the ACI "Building Code for Reinforced Concrete", ACI 318. All concrete work shall conform to the ACI "Specifications for Structural Concrete in Buildings", ACI 301.  
All concrete shall have a minimum design compressive strength f'c of 3000 psi at 28 days with a minimum 7 day strength of 2000 psi.  
All reinforcing bars shall conform to ASTM A615-85 Grade 60. Welded wire fabric shall conform to ASTM A185 and shall be furnished in flat sheets.  
The minimum concrete coverage for reinforcing, unless otherwise noted, shall be 3/4" for formed slabs, 1 1/2" for ties and stirrups, 2" for formed walls and 3" for footings and other concrete deposited directly against earth. Bar supports shall be furnished in accordance with recommendations of ACI 315 (Detailing Manual). Welded wire fabric in slabs on grade shall be supported by metal chairs with sub-grade plates or on concrete bricks at 3'-0 cts. each way. "Pulling up" of fabric after concrete is deposited will not be allowed.  
All bars shall lap a minimum of 32 bar diameters at splices unless otherwise noted. Welded wire fabric shall be spliced with a minimum lap of one mesh space plus 2" between outermost cross wires for slabs on grade.  
It shall be the responsibility of the Contractor that the bar lengths of all bars conform to applicable notes and details and that the actual number of bars used conforms to the noted spacing.  
See Specifications.

**STRUCTURAL DESIGN:** The structural design was made in accordance with the latest edition of the Uniform Building Code, using the following design loads in addition to the dead weight of the structure, walls, ceilings, roofings, finishes, etc.:

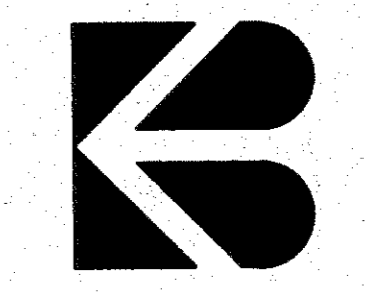
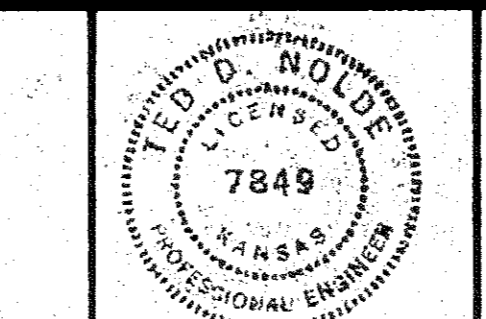
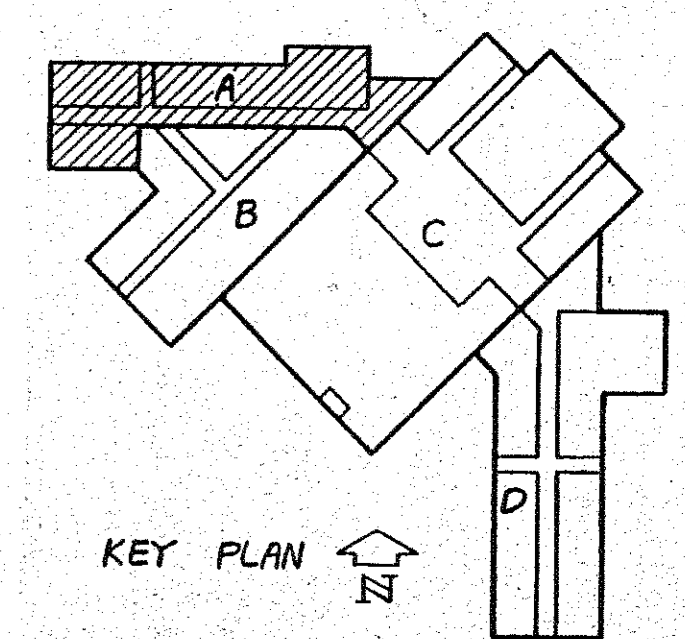
Roof (snow load) ----- 30 psf on projected horizontal plane.  
(LL increased for areas with potential snow accumulation).  
Pressure equivalent of 80 MPH wind for Exposure "B".

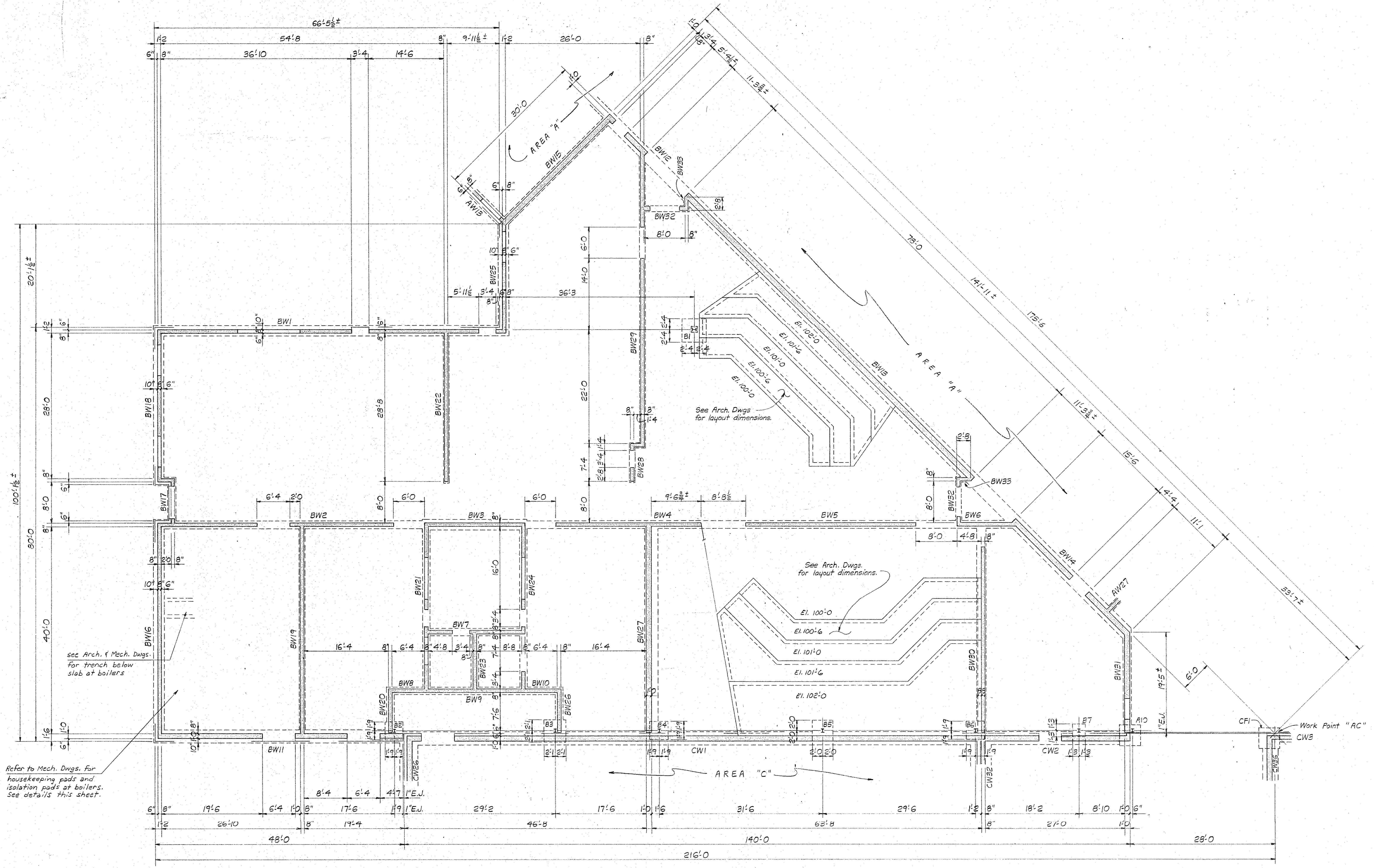
Mezzanine Areas ----- 125 psf  
(except Mechanical Rooms) ----- 150 psf  
Mezzanine Mechanical Areas ----- 150 psf  
Stairs ----- 100 psf  
Corridor Ceiling Slabs ----- 40 psf  
Footings ----- Bearing on native clay or controlled backfill capable of safely sustaining a bearing pressure of 3500 psf for total load.

Additional Structural General Notes on sheets S-7, S-13, and S-17.

**INDEX OF STRUCTURAL DRAWINGS**

Sheet No.	Description
S-1	Area "A" First Floor and Foundation Plan
S-2	Area "B" First Floor and Foundation Plan
S-3	Area "C" First Floor and Foundation Plan
S-4	Area "D" First Floor and Foundation Plan
S-5	Corridor Ceiling Slab Plans - Areas "A" & "C"
S-6	Corridor Ceiling Slab Plan - Area "D"
S-7	Mezzanine Framing Plans - Areas "B" & "C"
S-8	Area "A" Roof Framing Plan
S-9	Area "B" Roof Framing Plan
S-10	Area "C" Roof Framing Plan
S-11	Area "D" Roof Framing Plan
S-12	Foundations and Footings Schedules; Details
S-13	Column Schedule; Details
S-14	Steel Bar Joist Schedule; Details
S-15	Steel Beam Schedule
S-16	Steel Beam End Connection Types
S-17	Steel Frame Details; Deck Support Angles
	Lintel Schedule and Details
	Reinforced Masonry Details





See Arch. & Mech. Dwg. for trench below slab at boilers

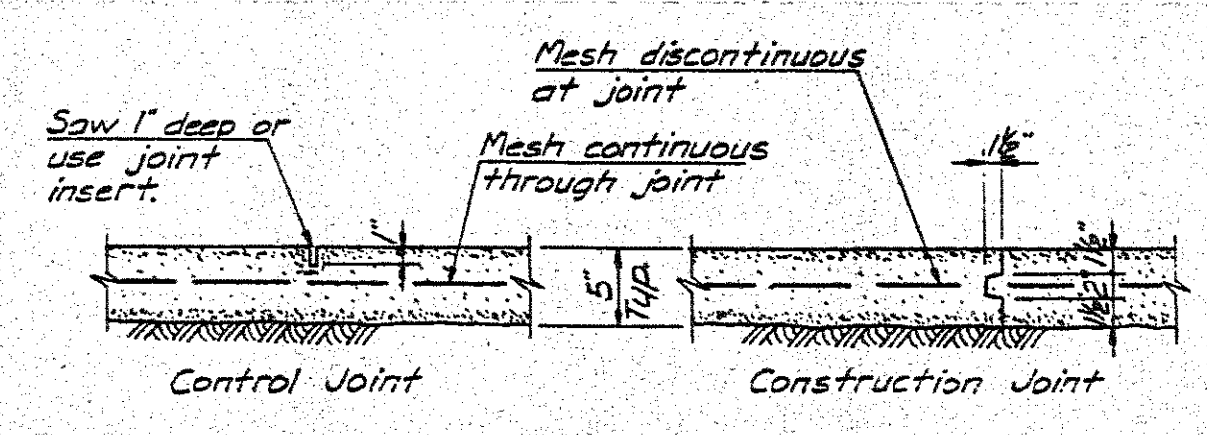
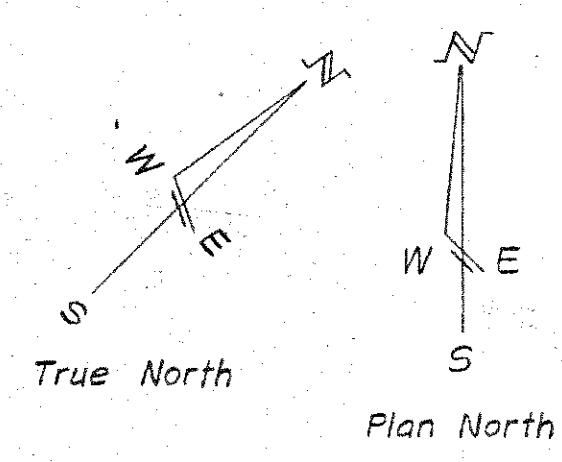
Refer to Mech. Dwg. for housekeeping pads and isolation pads at boilers. See details this sheet.

See Arch. Dwg. for layout dimensions.

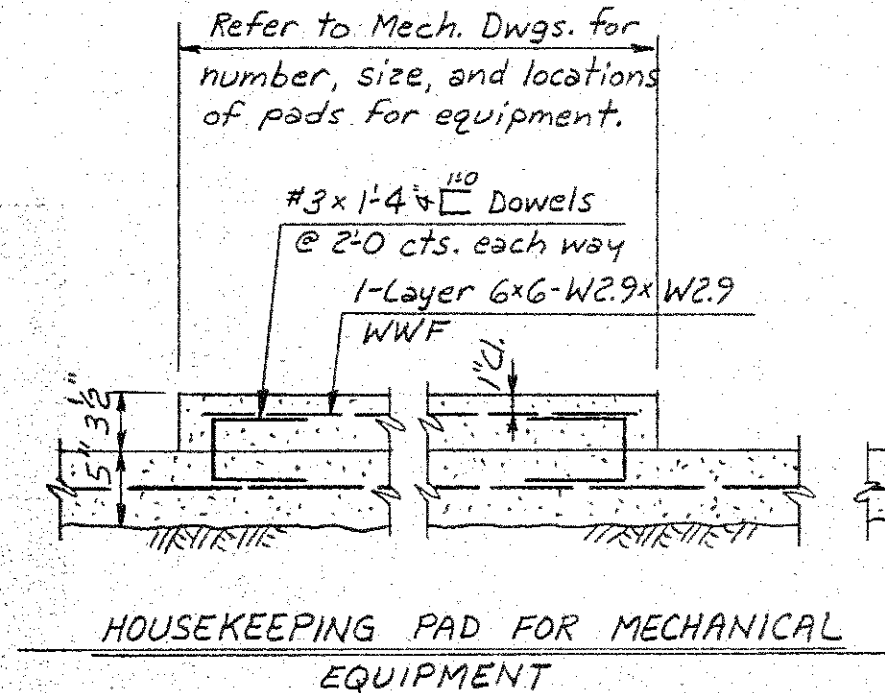
See Arch. Dwg. for layout dimensions.

**AREA "B"**  
**FIRST FLOOR & FOUNDATION PLAN**  
 Scale: 1/8" = 1'-0"

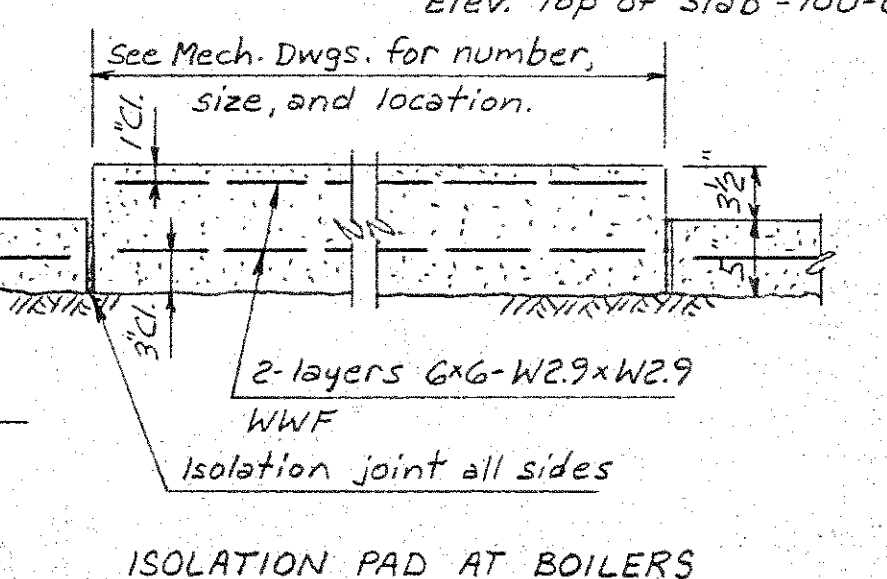
Note: Unless otherwise noted, all slabs on grade shall be 5" thick and reinforced with 1-layer 6x6-W2.9xW2.9 WWF. Elev. Top of Slab = 100'-0"



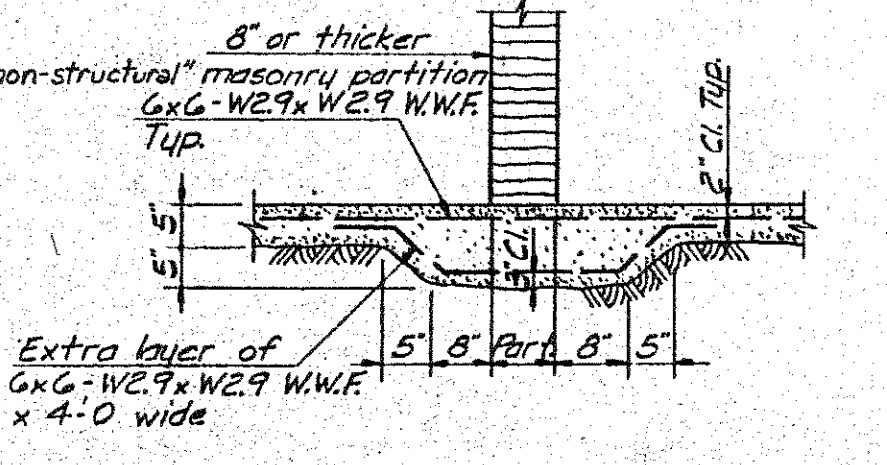
**SLAB CONTROL JOINT DETAILS**  
 Note: All slabs on grade shall be constructed with control joints in square or rectangular patterns with a length to width ratio of 1/6 or less. Control joints shall be spaced no further than 20'-0" apart. At the contractor's option, a construction joint may be used in lieu of any control joint.



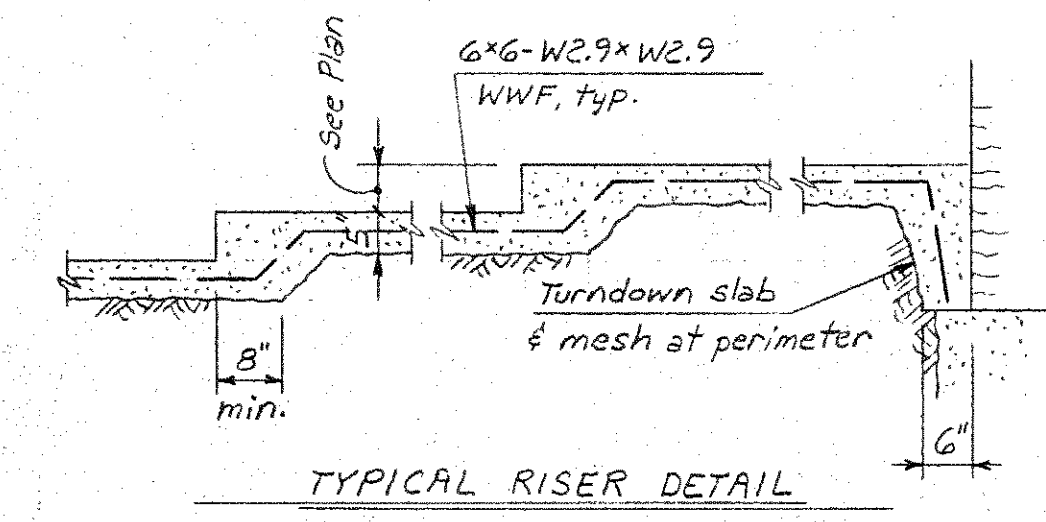
**HOUSEKEEPING PAD FOR MECHANICAL EQUIPMENT**



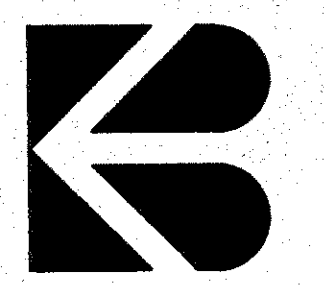
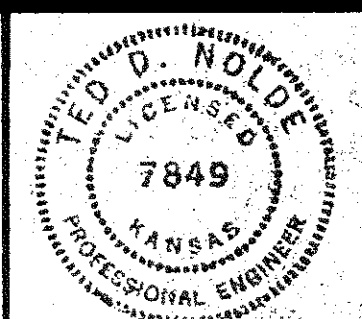
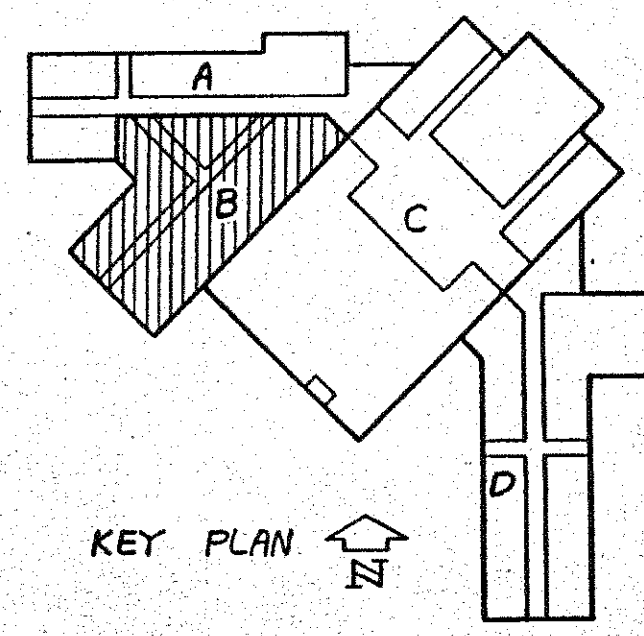
**ISOLATION PAD AT BOILERS**

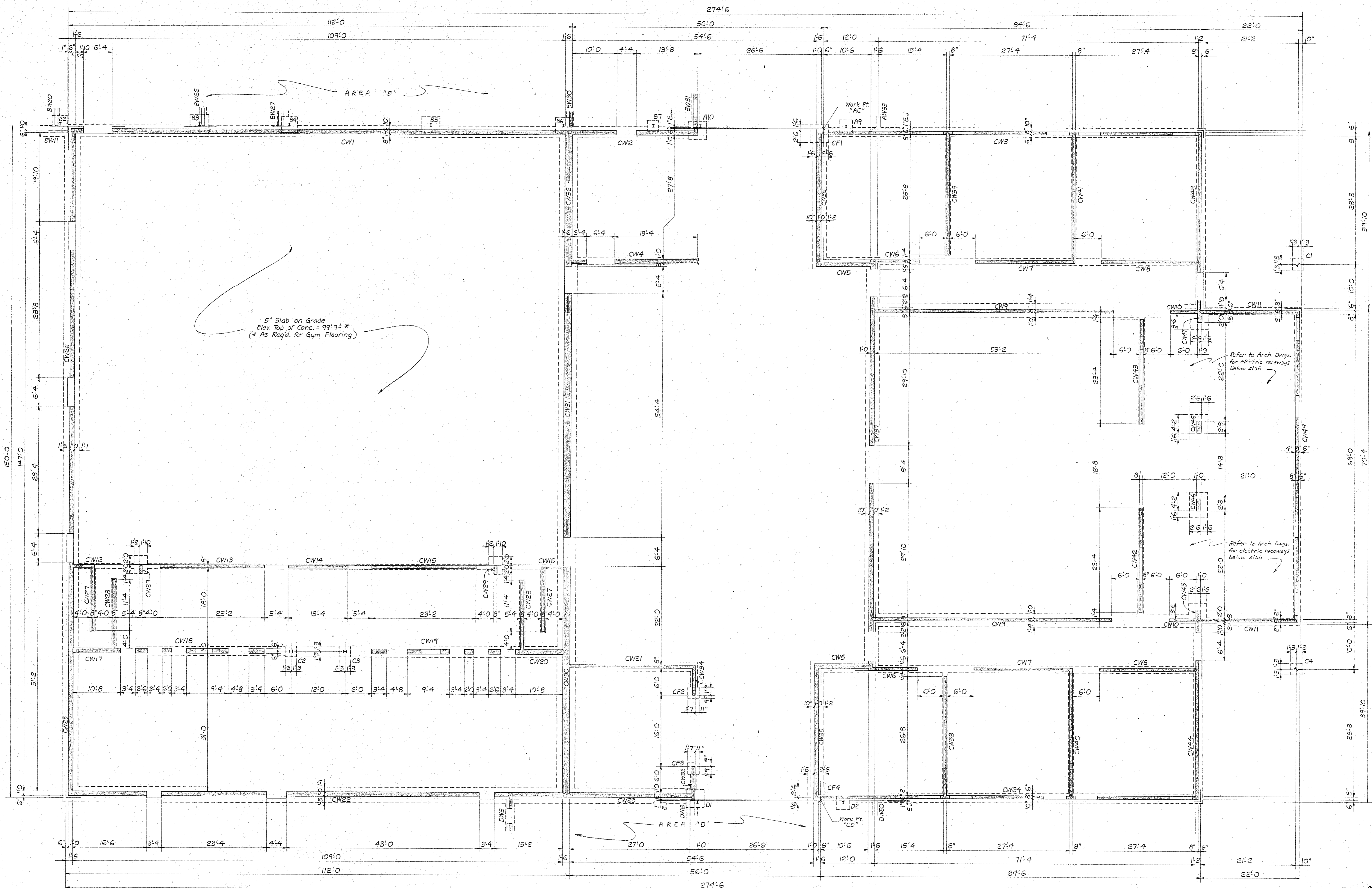


**TYPICAL DETAIL - THICKENED SLAB UNDER INTERIOR MASONRY PARTITIONS**



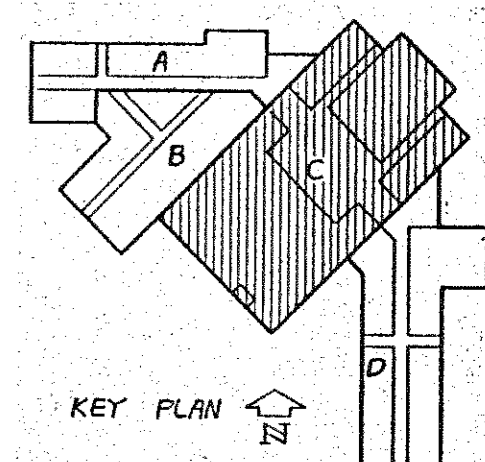
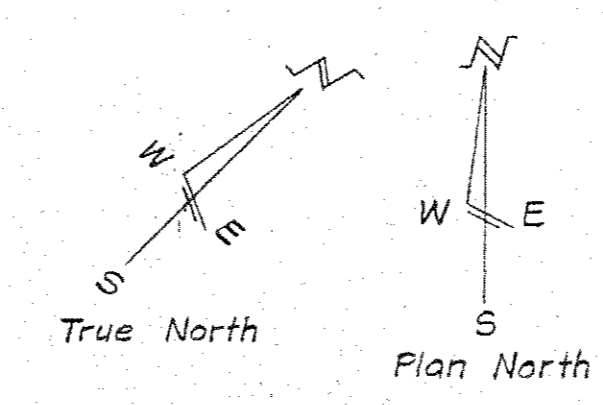
**TYPICAL RISER DETAIL**





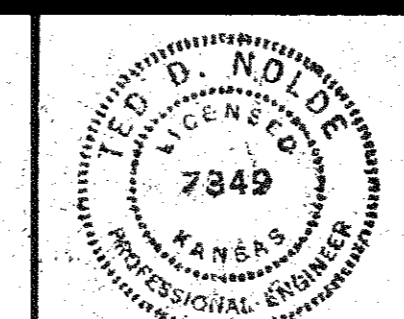
Note: Unless otherwise noted, all slabs on grade shall be 5" thick and reinforced with 1-layer of 6x6-W2.9 x W2.9 WWF. Elevation Top of Slab = 100'-0"

AREA "C"  
FIRST FLOOR & FOUNDATION PLAN  
Scale: 1/8" = 1'-0"

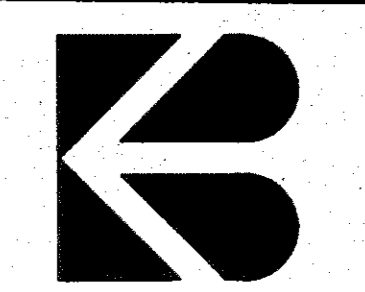


MIDDLE SCHOOL  
WAMEGO U.S.D. 320

AREA "C" FIRST FLOOR & FOUNDATION PLAN

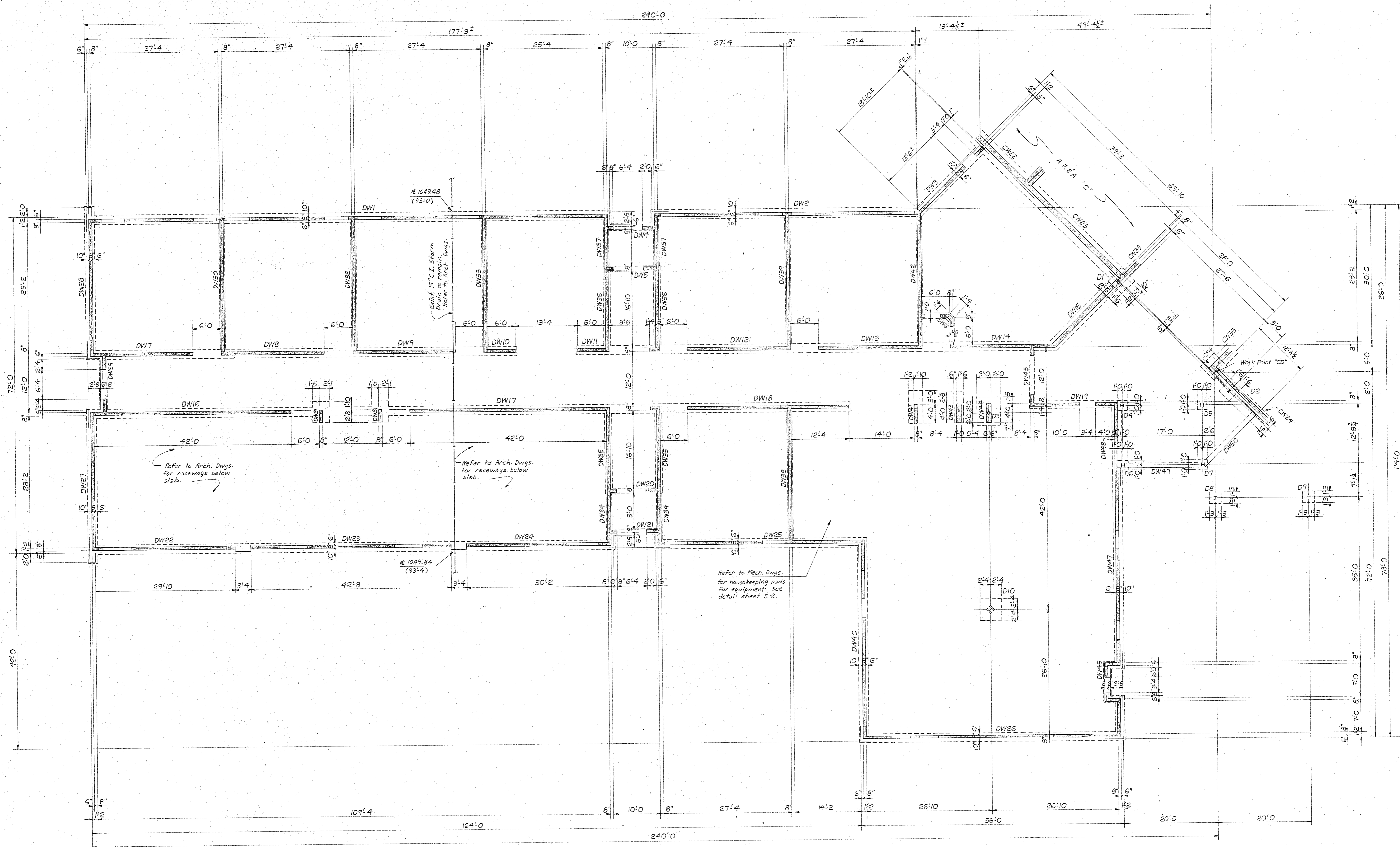


KIENE & BRADLEY DESIGN GROUP · AIA  
CHARTERED  
ARCHITECTS  
TOPEKA  
INTERIOR ARCHITECTURE  
KANSAS



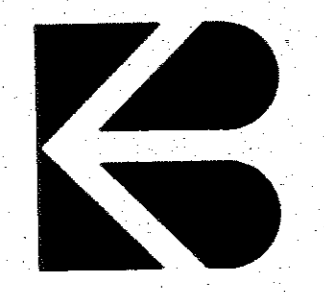
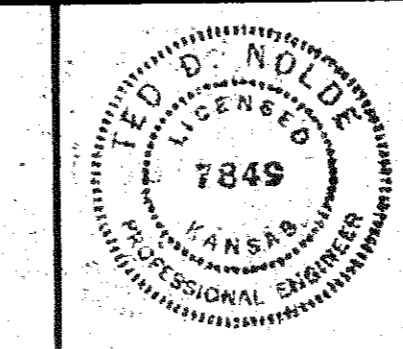
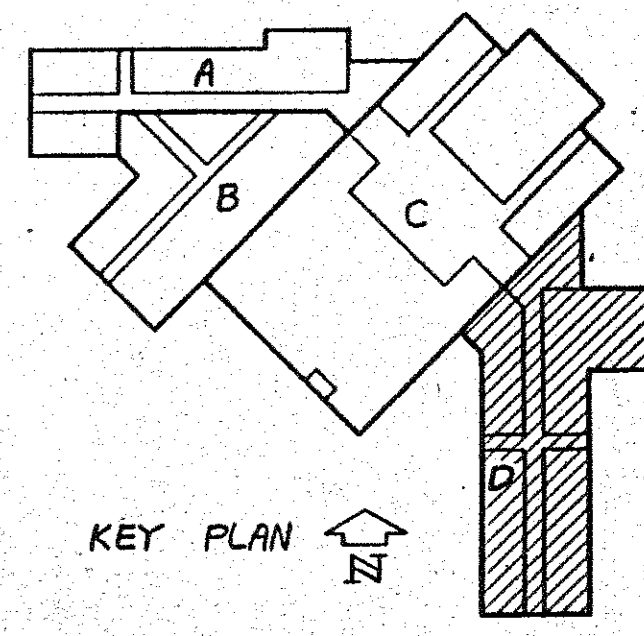
JOB NO. 89-36  
DATE 4-8-91  
REVISION

SHEET NO.  
S3

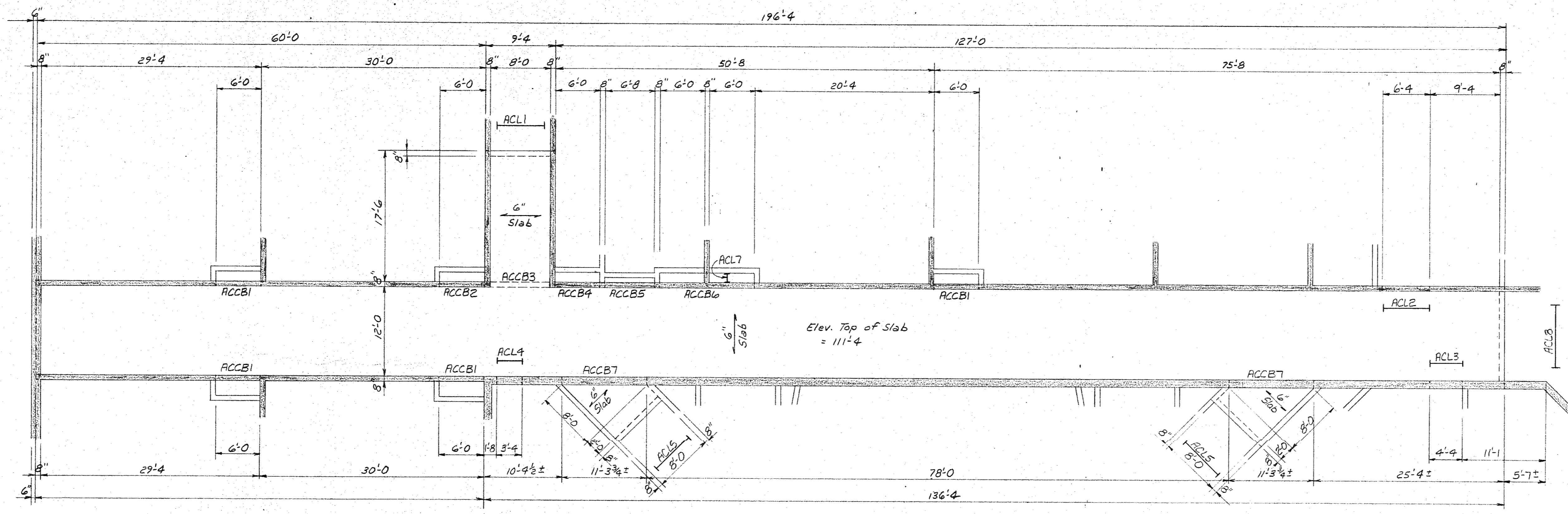


AREA "D"  
FIRST FLOOR & FOUNDATION PLAN  
Scale: 1/8" = 1'-0"

Note: Unless otherwise noted, all slabs on grade shall be 5" thick and reinforced with 1-layer of 6x6-W2.9xW2.9 WWF. Elevation Top of Slab = 100'-0".

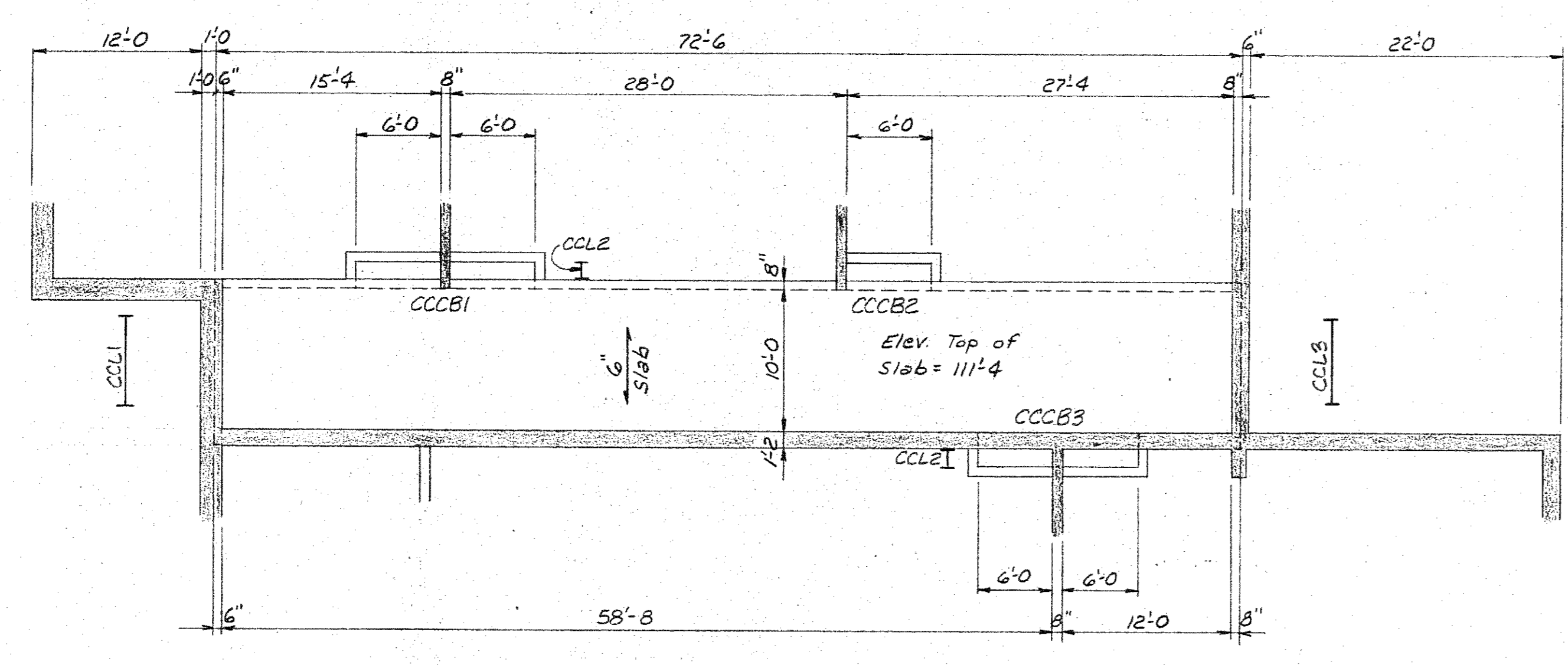
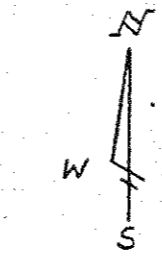




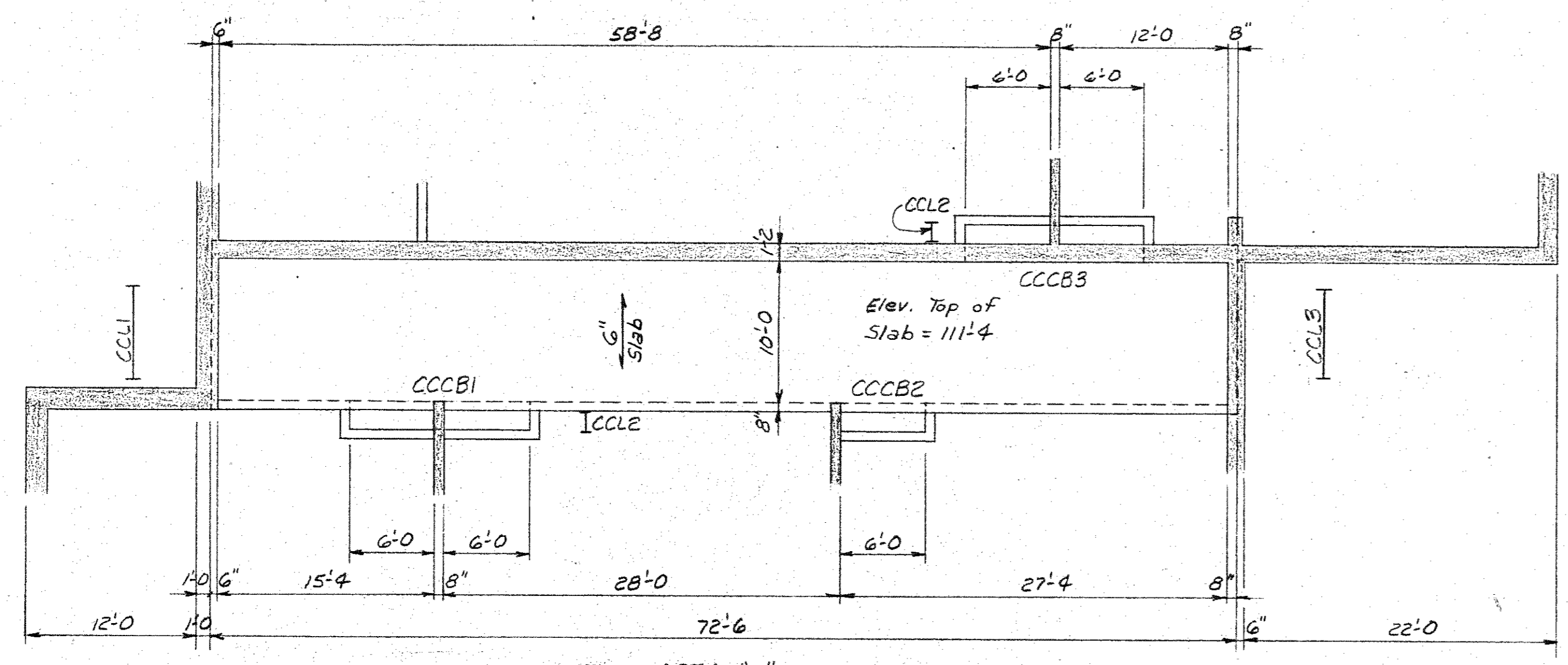
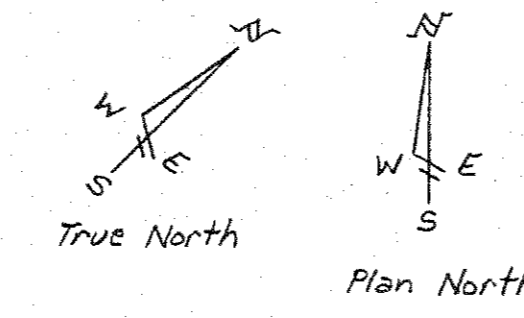


Note: Refer to Mech. Dwg. for any openings through corridor ceiling slabs if req'd.

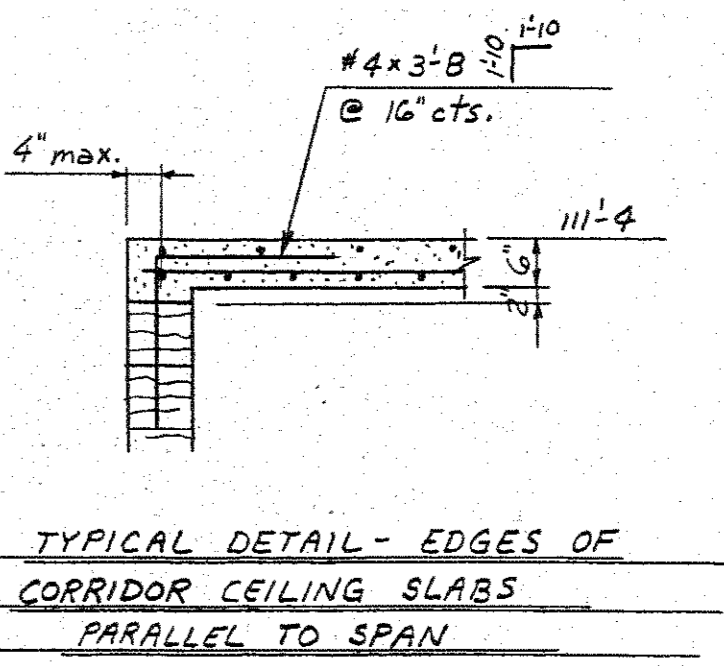
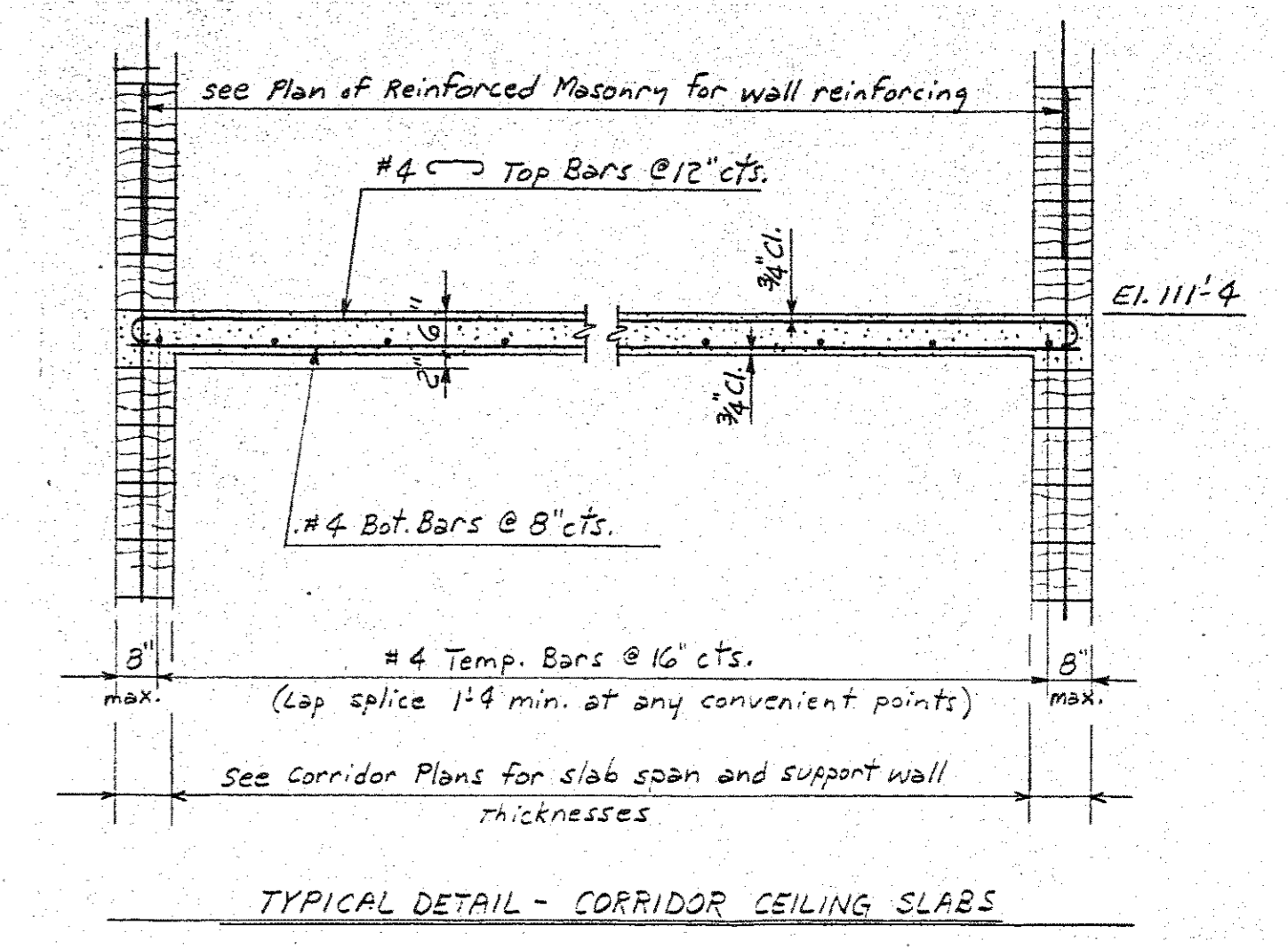
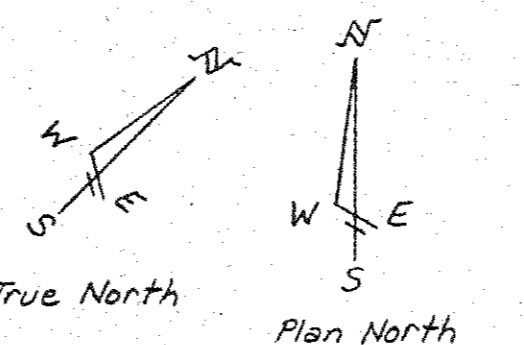
AREA "A"  
CORRIDOR CEILING SLAB  
Scale: 1/8" = 1'-0"



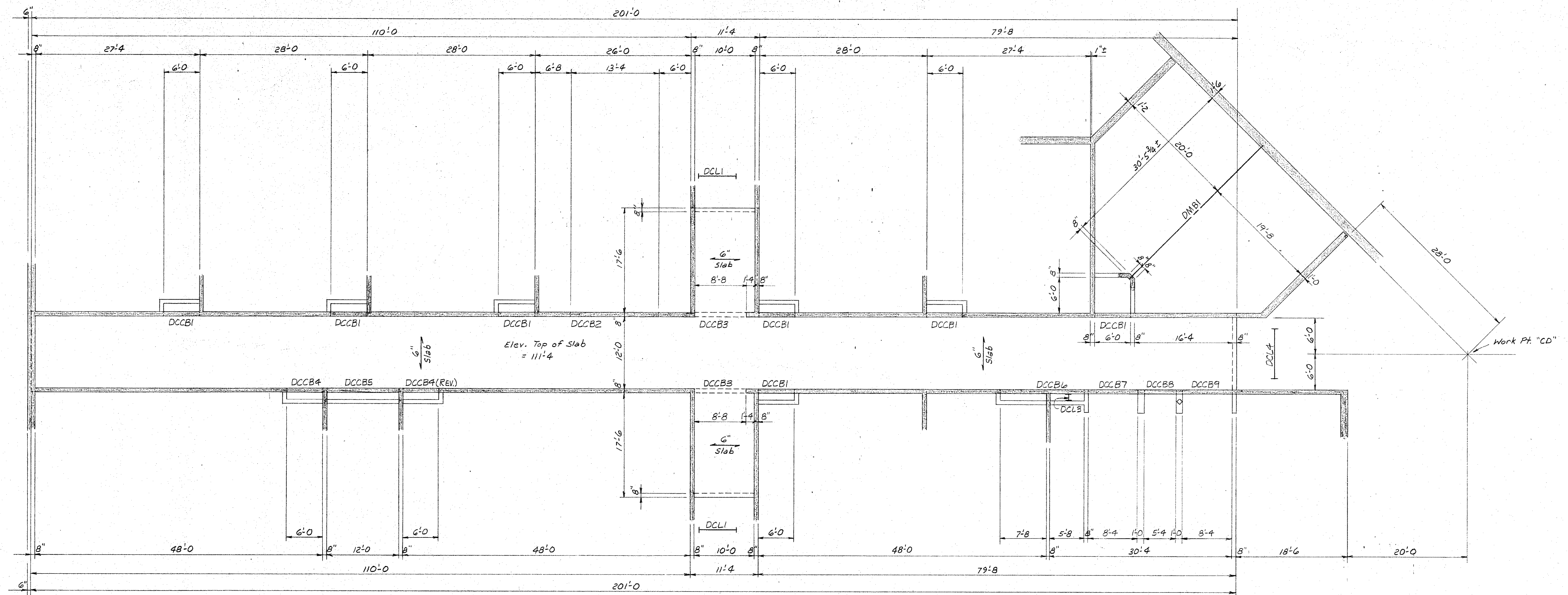
AREA "C"  
CORRIDOR CEILING SLAB  
Scale: 1/8" = 1'-0"



AREA "C"  
CORRIDOR CEILING SLAB  
Scale: 1/8" = 1'-0"

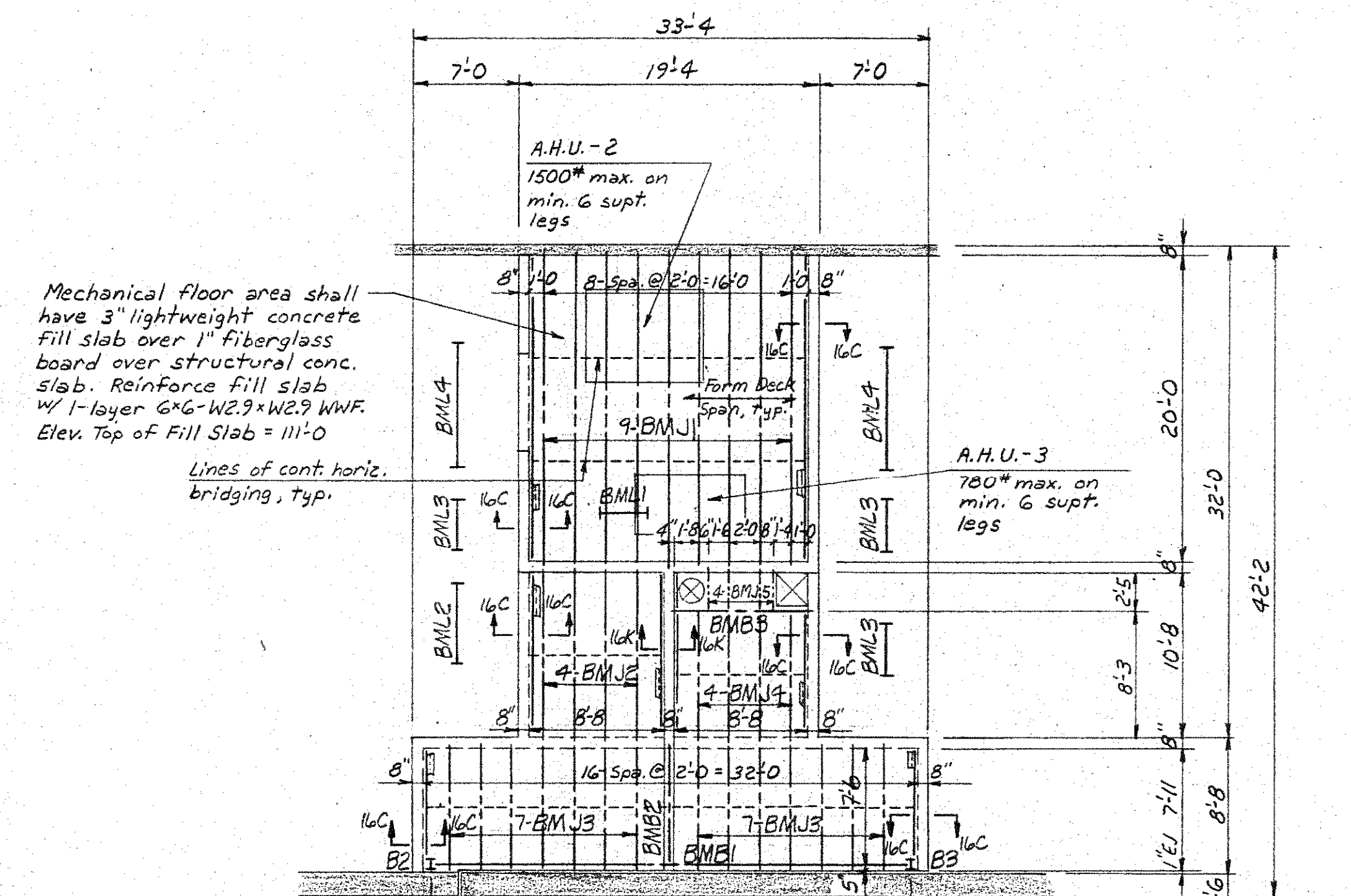


BEAM MARK	NO. OF BEAMS REQ'D.	SIZE	ELEV. TOP OF BEAM	REINFORCING												
				BOTTOM BARS		TOP BARS		STIRRUPS								
				NO.	SIZE	LENGTH	TYPE	NO.	SIZE	LENGTH	TYPE	NO.	SIZE	LENGTH	TYPE	SPAC. FROM SUPPORTS
ACCB1	4	8" x 1'-4"	111'-4"	2	#5			2	#5			10	#3			5 @ 6"
ACCB2	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB3	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB4	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB5	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB6	1	8" x 2'-0"	do	2	#7			2	#7			16	#3			4'-5 @ 6"
ACCB7	2	1'-0" x 2'-0"	111'-4"	2	#8			2	#8			14	#3			2 @ 6" x 5 @ 10"
ACCB8	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB9	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB10	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB11	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB12	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB13	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB14	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB15	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB16	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB17	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB18	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB19	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB20	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB21	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB22	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB23	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB24	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB25	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB26	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB27	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB28	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB29	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB30	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB31	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB32	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB33	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB34	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB35	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB36	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
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ACCB38	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB39	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB40	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB41	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB42	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB43	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB44	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB45	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB46	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB47	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB48	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB49	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB50	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
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ACCB52	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB53	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB54	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB55	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB56	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB57	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB58	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB59	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
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ACCB63	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
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ACCB65	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
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ACCB67	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB68	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB69	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB70	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB71	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB72	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB73	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB74	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB75	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB76	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB77	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB78	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB79	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB80	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB81	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB82	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB83	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB84	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB85	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB86	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB87	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB88	1	8" x 1'-4"	do	2	#6			2	#6			10	#3			5 @ 6"
ACCB89	1	8" x 1'-4"</														



**AREA "D"**  
**CORRIDOR CEILING SLAB**  
 Scale: 1/8" = 1'-0"

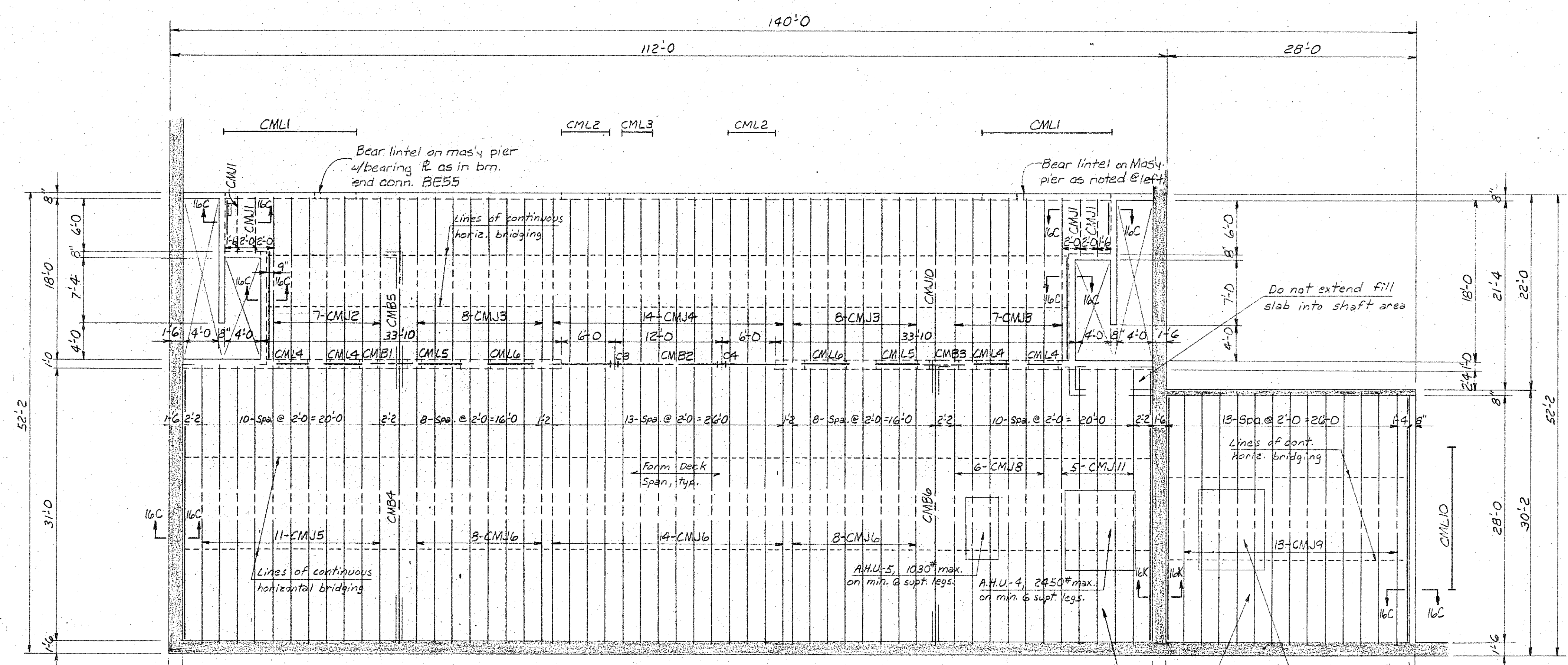
Note: See sheet S-5 for detail of corridor ceiling slab. Refer to Mech. Dwgs. for openings thru slab if req'd.



**AREA "B"**  
**MECHANICAL & STORAGE MEZZANINE FRAMING PLAN**  
 Scale: 1/8" = 1'-0"

Note: Floor area for Mezzanine shall consist of 3/4" concrete slab over steel form deck (slab depth includes deck). Slabs shall be reinforced with 1-layer 4x4-W29xW29 WWF centered in portion of slab above deck flutes.

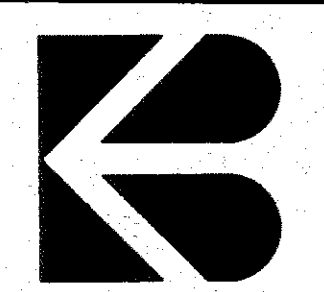
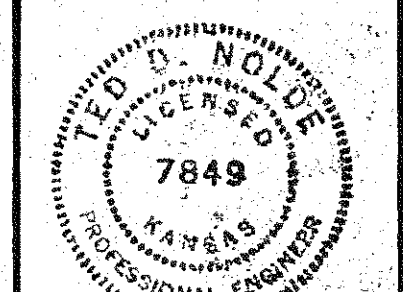
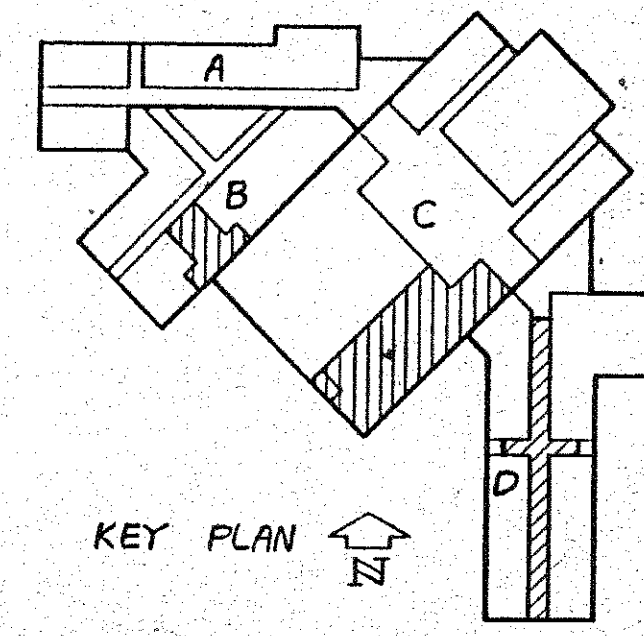
Note: See Mech. Dwgs. for size, location, and number of openings thru Mezzanine slab. All openings shall be located between framing members.

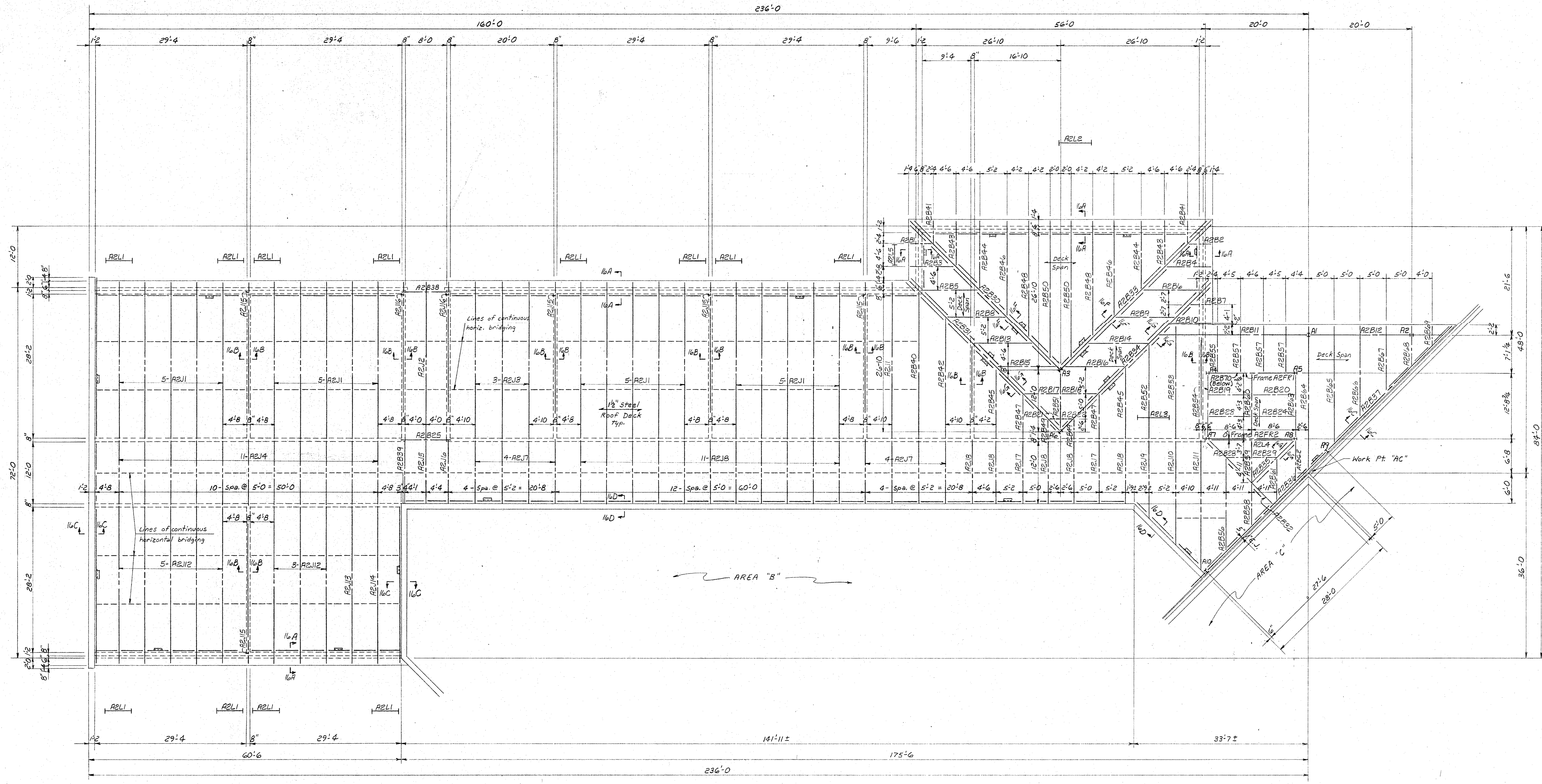


**AREA "C"**  
**INSTRUCTIONAL & MECH. MEZZANINE FRAMING PLAN**  
 Scale: 1/8" = 1'-0"

Note: Floor area for Mezzanine shall consist of 3/4" concrete slab over steel form deck (slab depth includes deck). Slabs shall be reinforced with 1-layer 6x6-W29xW29 WWF centered in portion of slab above deck flutes.

Note: See Mech. Dwgs. for size, location, and number of openings thru Mezzanine slab. All openings shall be located between framing members.

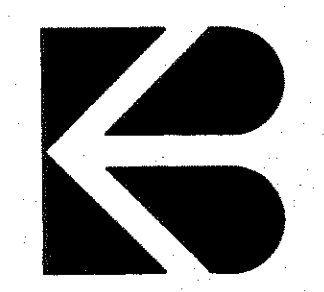
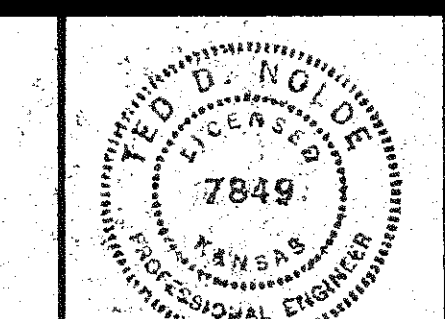
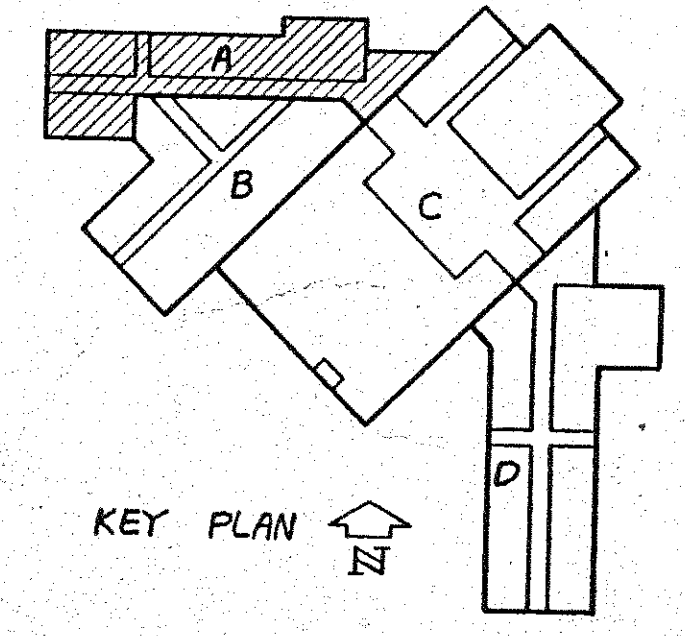


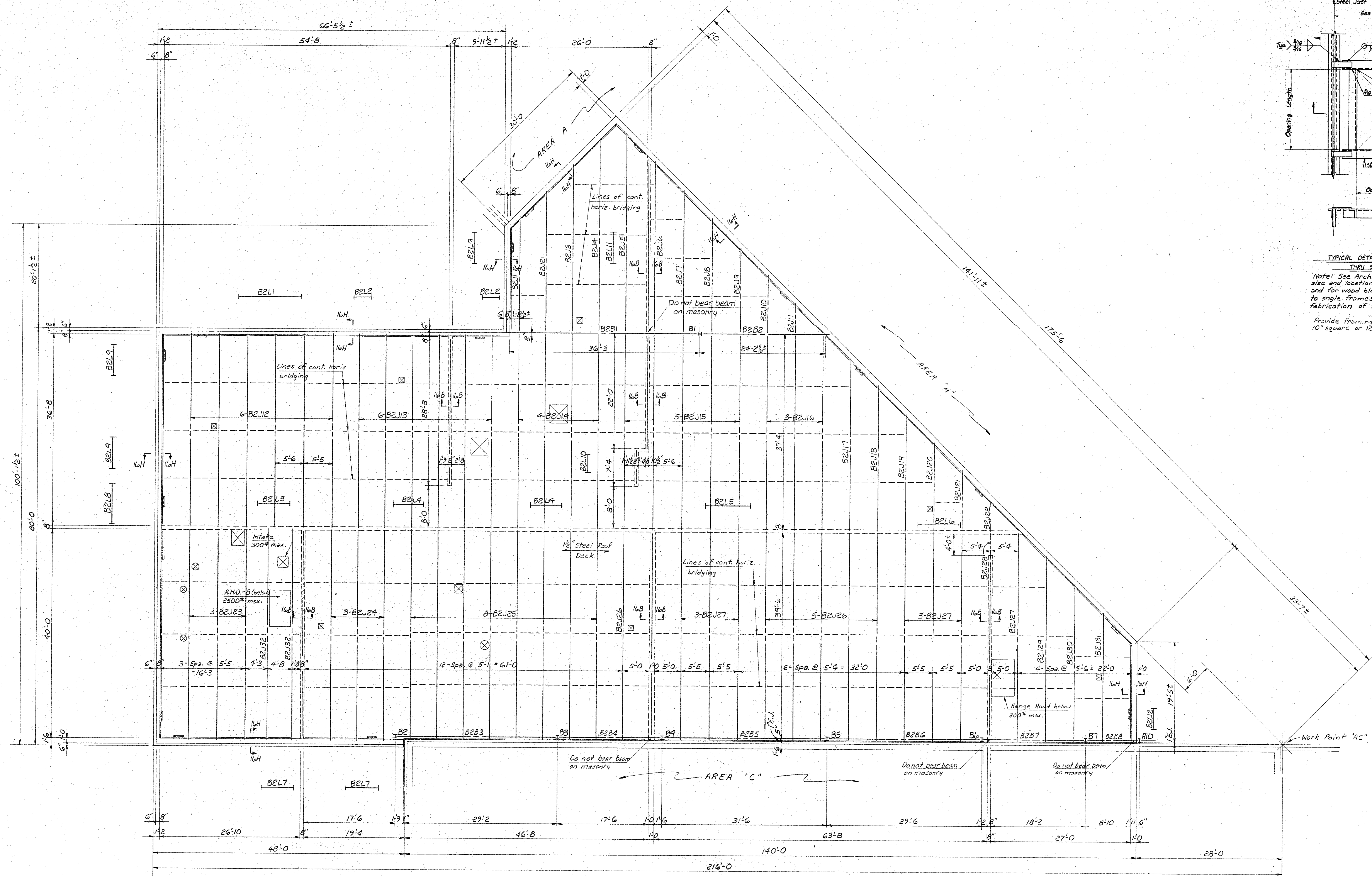


AREA "A"  
ROOF FRAMING PLAN  
Scale: 1/8" = 1'-0"

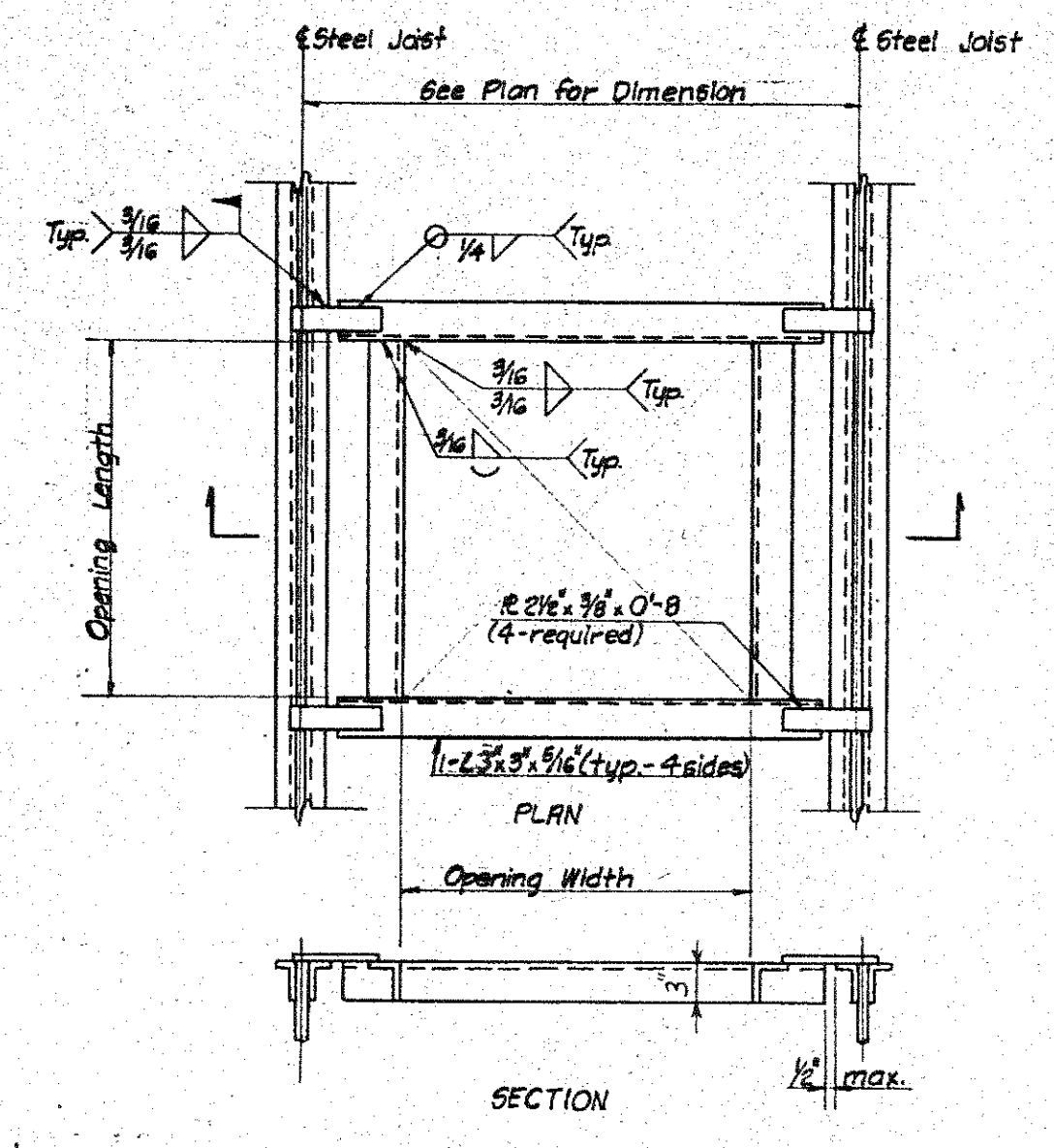
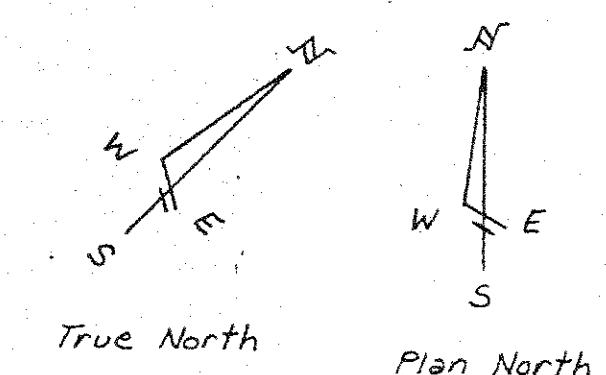
**STRUCTURAL STEEL:**  
 All structural steel except for steel tubing shall be ASTM A36 with a minimum yield strength of 36,000 lbs. per square inch. Steel for tubing shall be ASTM A500, Grade B with a minimum yield strength of 46,000 lbs. per square inch.  
 All structural steel work shall conform to AISC "Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings" and the AISC "Code of Standard Practice for Steel Buildings and Bridges". Welding shall conform to the AWS "Structural Welding Code", D1.1, Sections 1 through 8, and 10.  
 Unless otherwise shown, all field bolts shall be 3/4" ASTM A325 High Strength Bolts in 13/16" holes and be in conformance with the AISC "Specifications for Structural Joints using ASTM A325 or A490 Bolts". All bolts shall be installed with washers provided under the turning element.  
 Expansion anchors shown on structural drawings shall be Hilti, Ramset, Wej-it or equal, of the type having hole diameter equal to bolt diameter and appropriate to the application required. Size of anchors shall be as called for on drawings and minimum safe working capacities for anchors in shear in 3000 psi concrete shall be 2000 lbs. for 5/8" anchors and 3000 lbs. for 3/4" anchors.  
 Proper fit in the field in accordance with good standard practice is the responsibility of the Contractor. See Architectural Drawings and Specifications for painting, miscellaneous iron and steel, and for provisions for fastening the work of other trades.  
 See Specifications.

**STEEL ROOF DECK:**  
 All steel roof deck shall be 1 1/2" nominal depth, 20 ga. min. thickness, Intermediate Rib Deck and shall be designed, manufactured, and installed in accordance with the latest standard specifications of the Steel Deck Institute.  
 All decks shall be capable of supporting a total design load of 60 psf with a maximum live load deflection of 1/240 for all conditions of span based on center to center of supporting members. Deck shall be continuous over 3 spans wherever possible and shall be fastened to supports and extreme edges at 12" cts. max. with 5/8" spot welds or Mechanical Fasteners (Hilti EWP2 or Ramset 26SD). Intermediate side laps shall be fastened with 3/8" x 1 1/4" arc seam welds @ 18" cts. or #12 TEK screws @ 12" cts. max.  
**STEEL FORM DECK:**  
 All corrugated steel form deck shall be high-tensile, cold-rolled corrugated steel having a minimum strength of 80,000 psi.  
 Slabs over steel form deck shall be poured over 28 Ga. galvanized deck having corrugations of 2 1/2" x 9/16", a minimum Section Modulus of .035 in<sup>3</sup> per foot width and a minimum Moment of Inertia of .011 in<sup>4</sup> per foot width.  
 Steel shall conform to ASTM A446, Grade E and galvanizing shall conform to ASTM A525, Class G60.  
 All steel form deck shall be field welded to supporting steel at interior supports and perimeter edges with weld washers and E70XX electrodes and have side and end laps in accordance with manufacturer's recommendations. Deck shall span continuously a minimum of 3 bays wherever possible.

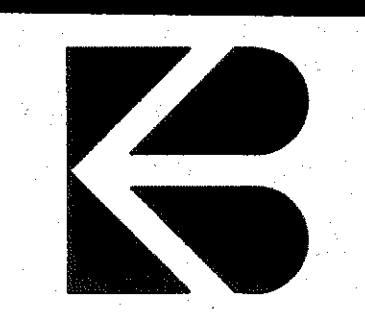
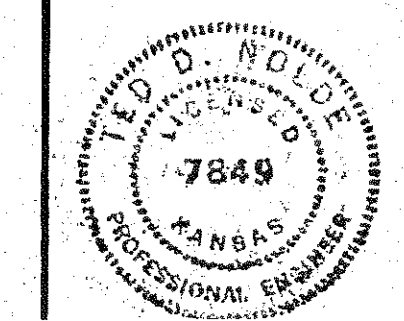
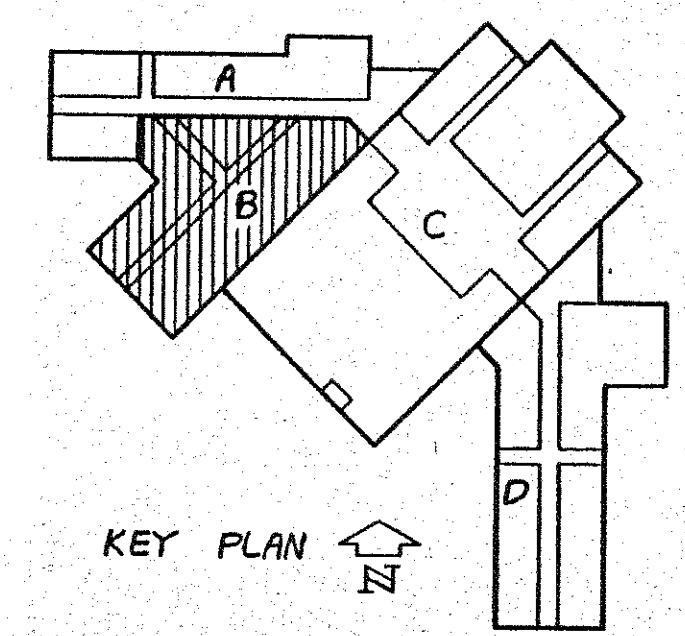


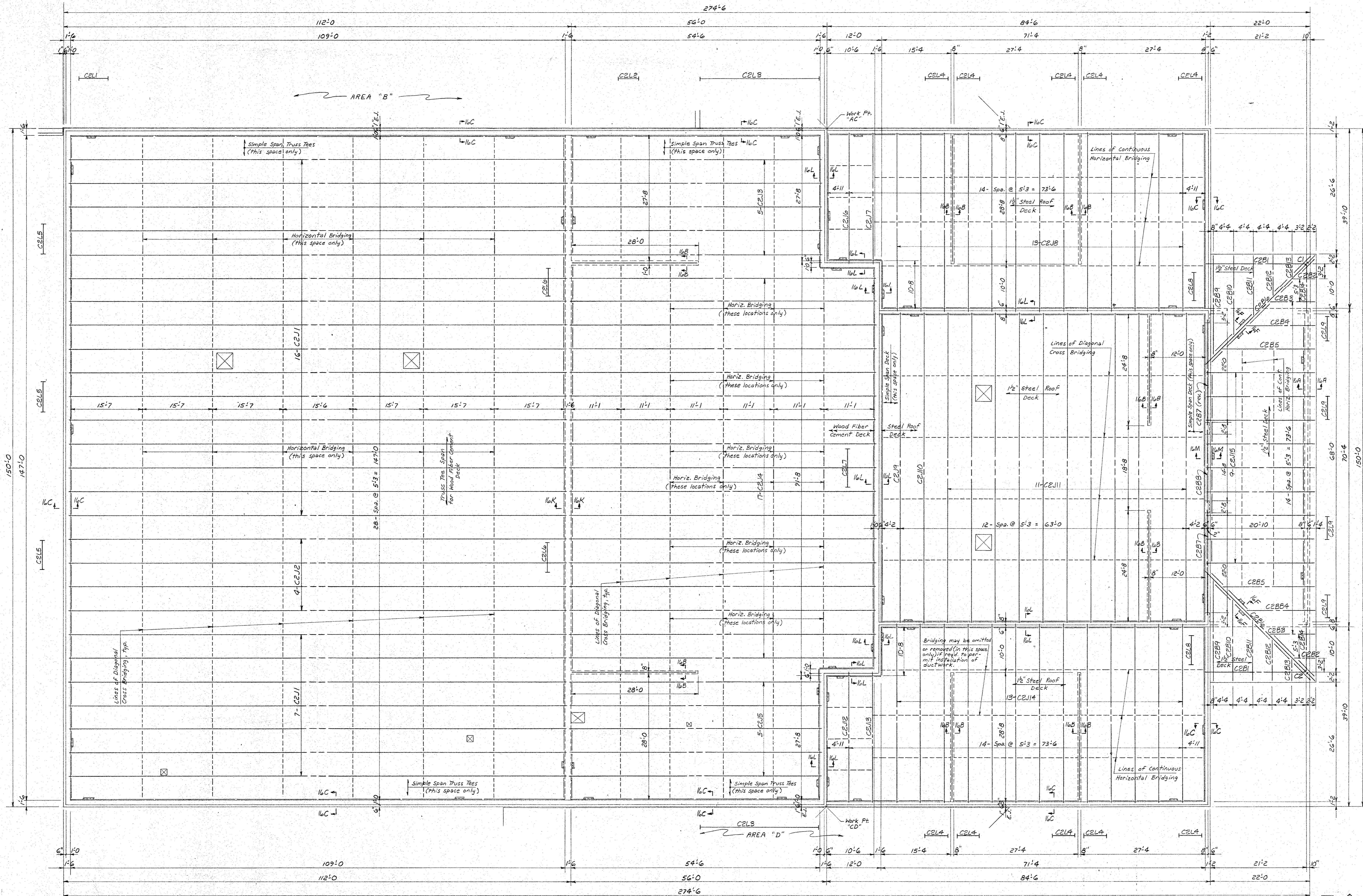


AREA "B"  
ROOF FRAMING PLAN  
Scale: 1/8" = 1'-0"



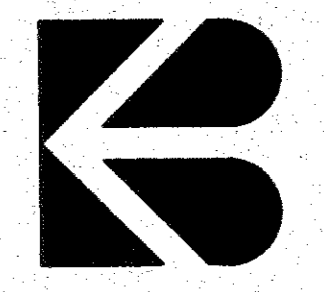
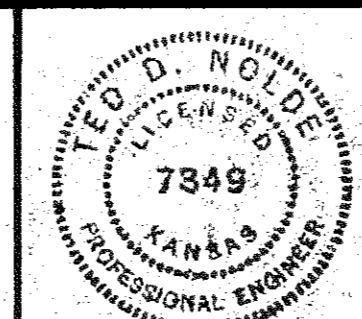
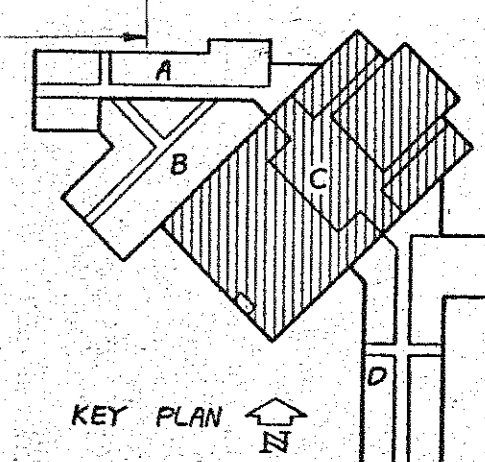
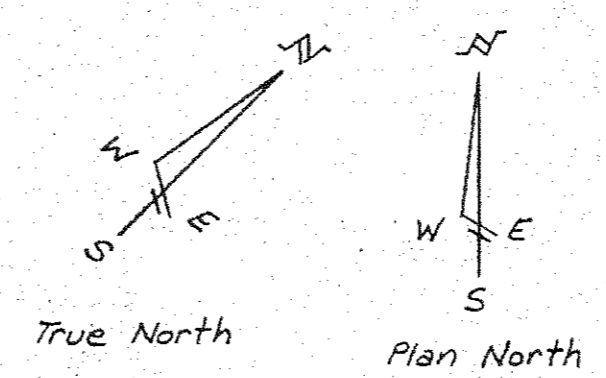
TYPICAL DETAIL - FRAMING FOR OPENINGS  
THRU STEEL ROOF DECK  
Note: See Arch. & Mech. drawings for number, size and locations of all required roof openings and for wood blocking, curbs, etc. to be attached to angle frames. Verify opening sizes prior to fabrication of frames.  
Provide framing at all openings greater than 10' square or 12" diameter.

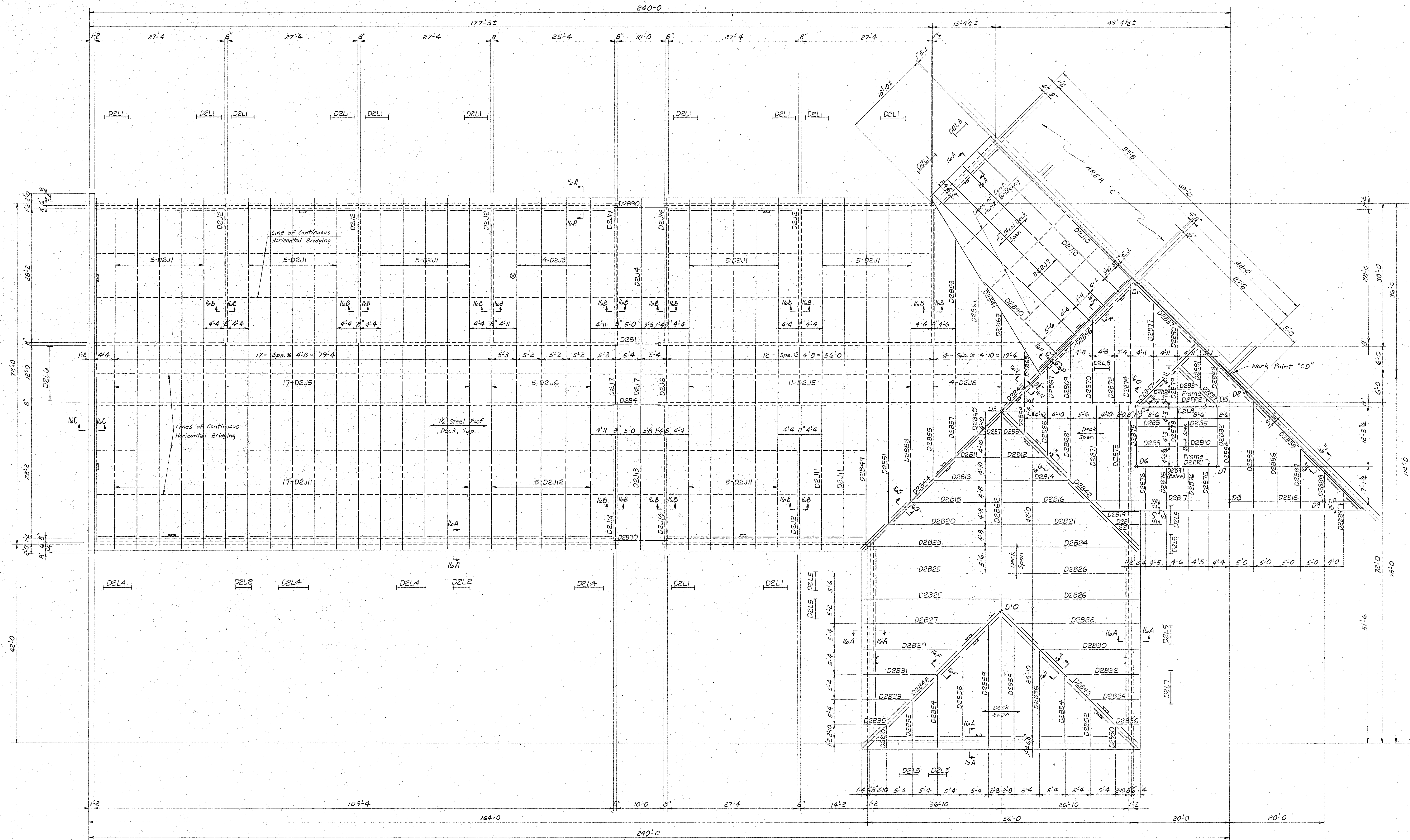




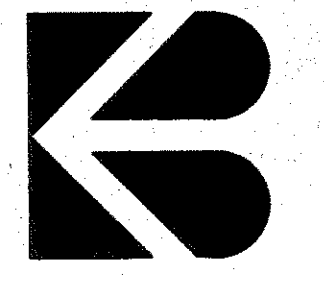
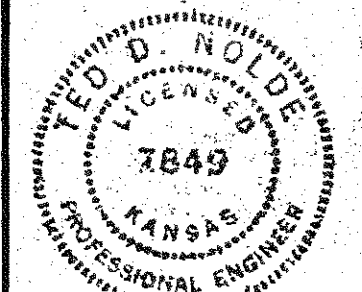
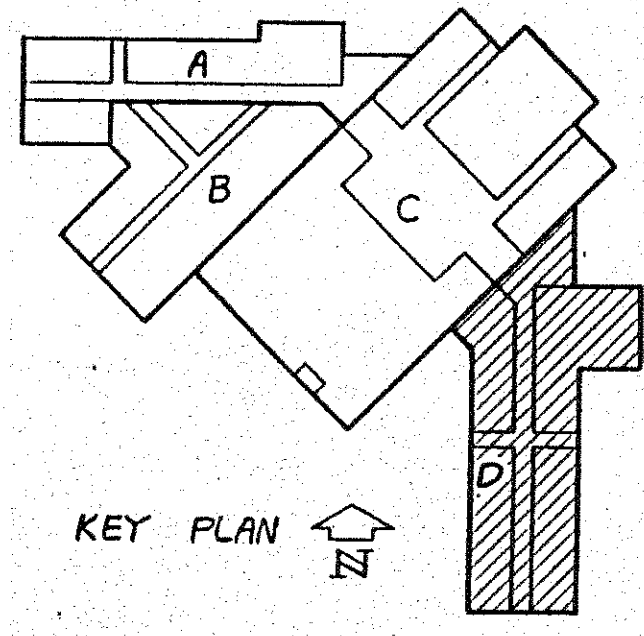
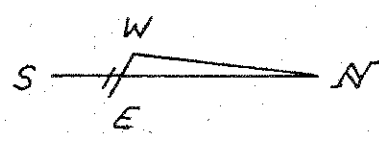
NOTE:  
 Roof areas over Gymnasium and Commons areas shall be supported by a three inch (3") thick wood fiber-cement formboard substrate supported by truss tees spaced at 32-5/8" centers and spanning three or more bays continuous except where noted on plan. Truss tees shall also be placed over all steel joists perpendicular to the continuous truss tees, if required, and shall be placed on all perimeter edges of roof to develop a required roof diaphragm strength of 200 pounds per linear foot. All truss tees shall be size 2-3-17-21 and shall be welded to supporting members as required. 2" gypsum fill slab reinforced with one layer of keydeck mesh shall be poured over wood fiber-cement substrate and truss tee supports.  
 See Architectural Drawings and Specifications for roofing, insulation, and gypsum roof fill over substrate.  
 Remainder of roof areas over Area "C" shall be 1/2" steel roof deck.

AREA "C"  
 ROOF FRAMING PLAN  
 Scale: 1/8" = 1'-0"





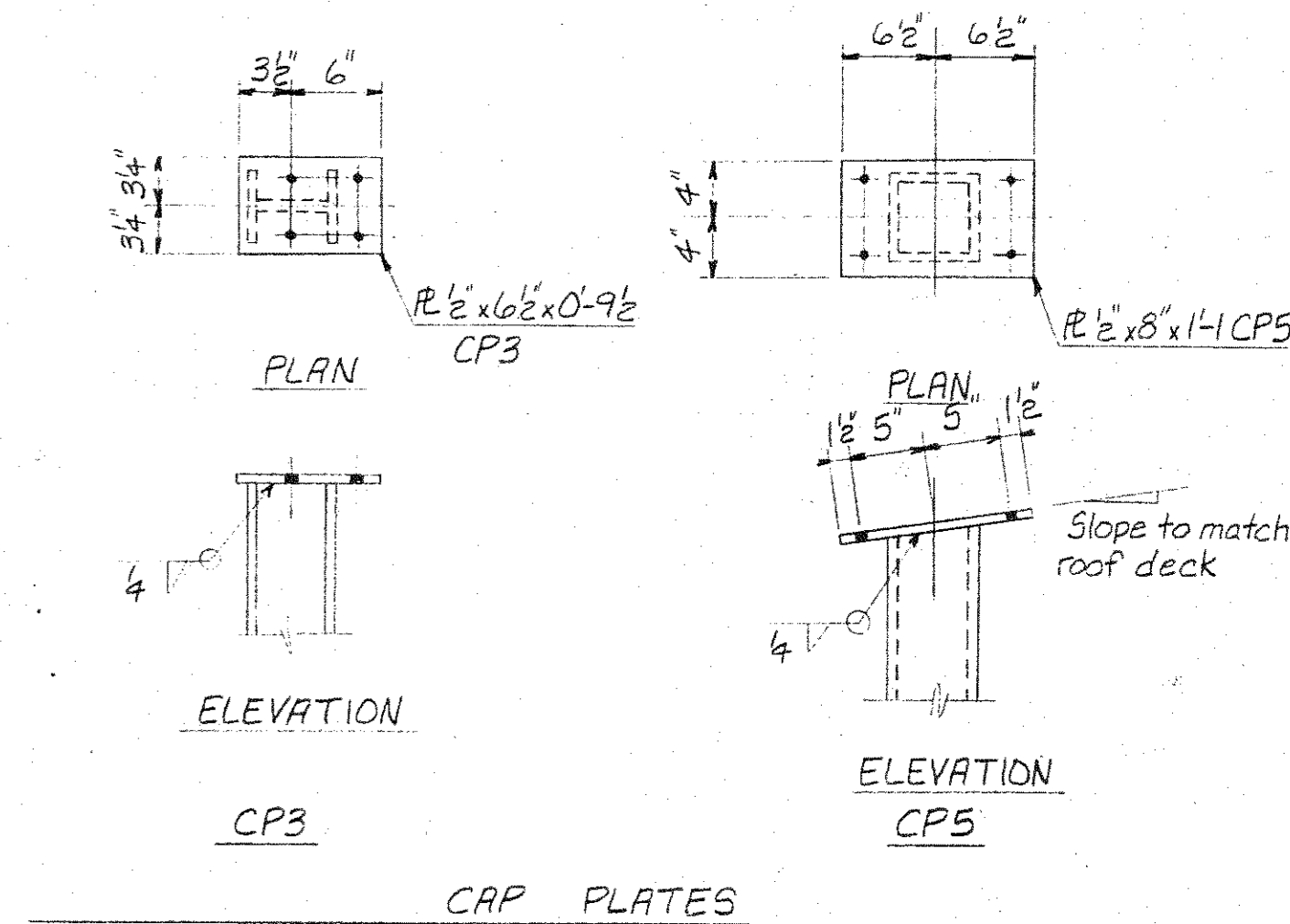
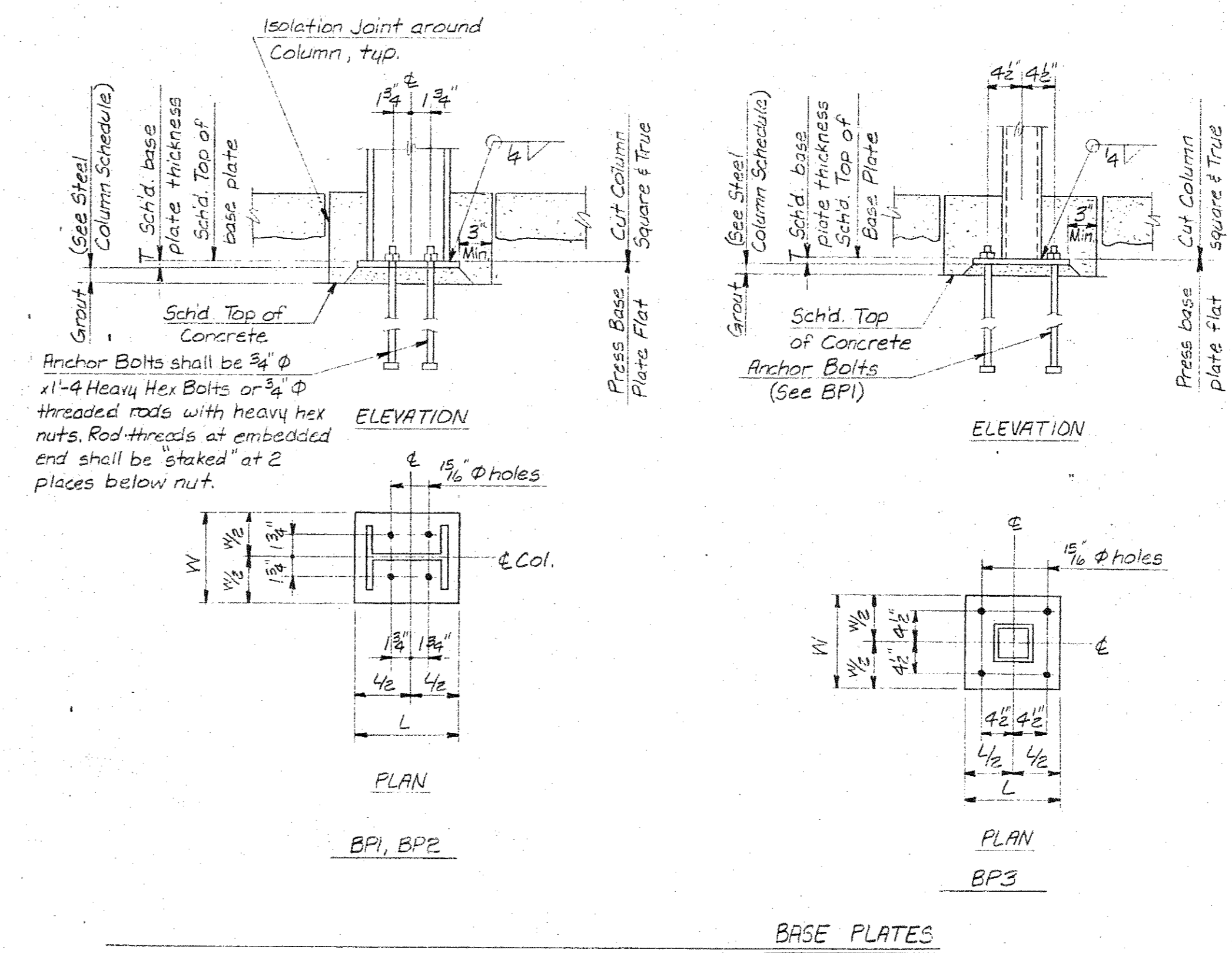
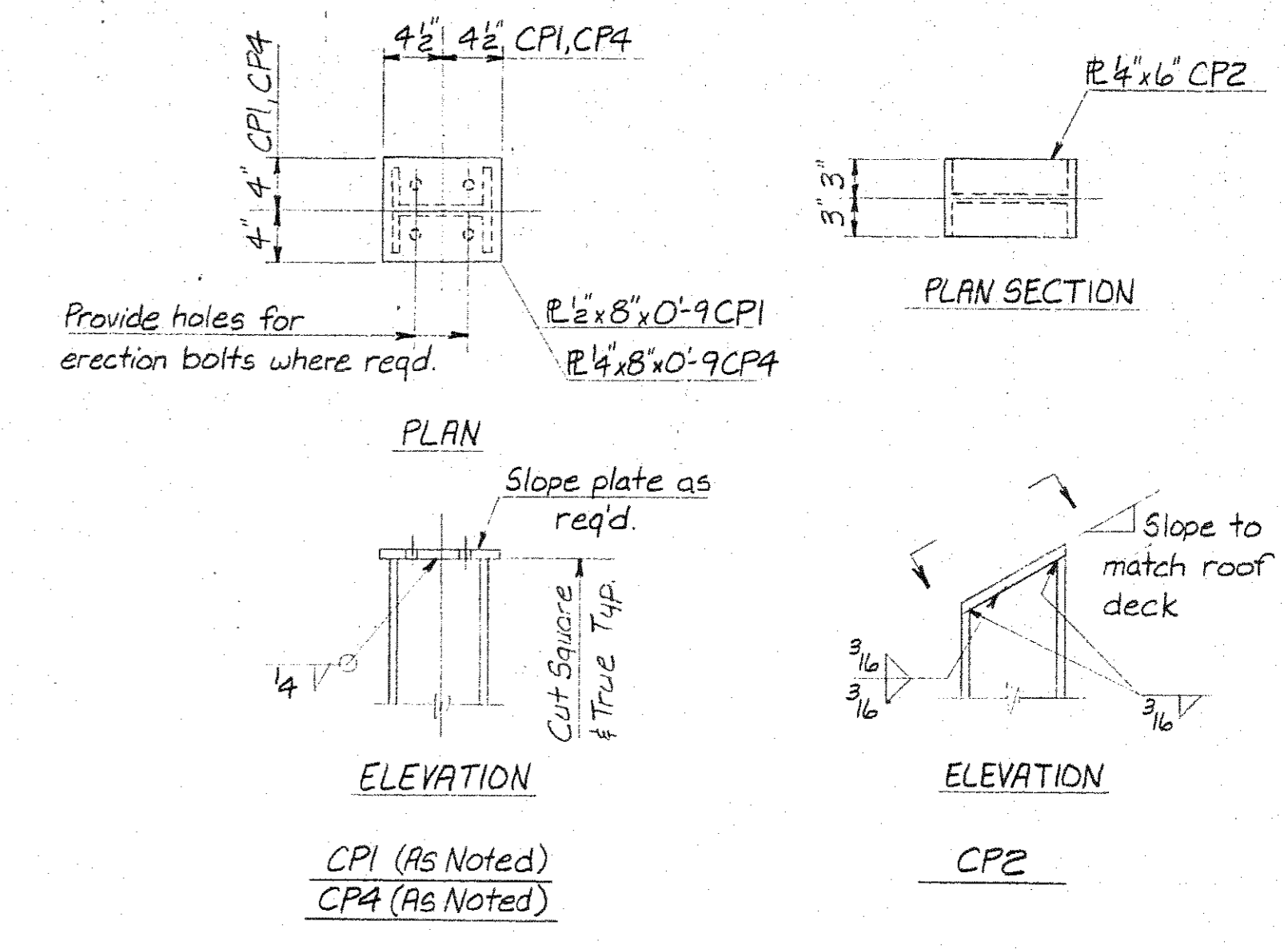
AREA "D"  
ROOF FRAMING PLAN  
Scale: 1/8" = 1'-0"





COLUMN NUMBER	COLUMN										SCHEDULE																				
	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
ELEVATIONS																															
No. of Cols. Read	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOP OF COL. OR TOP OF CAP PLATE MARK	112'-8 1/16"	111'-7 1/16"	116'-10 3/8"	117'-7 1/16"	117'-7 1/16"	116'-10 3/8"	116'-2 1/16"	117'-9 1/16"	123'-1 1/16"	119'-11"	120'-3 1/2"	119'-11"	120'-3 1/2"	119'-11"	120'-3 1/2"	119'-11"	109'-9 3/8"	109'-4 3/8"	112'-6"	112'-6"	123'-1 1/16"	117'-9 1/16"	115'-4 1/16"	116'-2 1/16"	116'-2 1/16"	117'-7 1/16"	117'-7 1/16"	112'-3 1/16"	111'-7 1/16"	116'-10 3/8"	
STEEL																															
TOP OF BASE R. MARK	99'-6"									99'-6"							99'-6"				99'-6"										
BASE PLATE																															
REINFORCING																															
TOP OF FTG.																															

① Elevation Scheduled for top of Column or Cap Plate that slopes is the Elevation at Column Centerline.  
 ② See Column Footing Schedule for Dowels.





JOIST MARK	NO. OF JOISTS REQ'D	TYPE DESIGNATION	APPROX. LENGTH	END DETAIL TYPE		BEARING ELEVATIONS	
				SOUTH OR WEST	NORTH OR EAST	SOUTH OR WEST	NORTH OR EAST
R2J1	21	18K5		JE1	JE2	117'-4"	110'-8"
R2J2	1	18K4		JE3	JE19	do	do
R2J3	3	18K5		JE1	JE2	do	110'-8"
R2J4	11	8K1		JE4	JE4	117'-4"	117'-4"
R2J5	1	8K1		JE6	JE5	do	do
R2J6	1	8K1		JE6	JE5	do	do
R2J7	10	8K1		JE6	JE4	do	do
R2J8	16	8K1		JE6	JE4	120'-0"	do
R2J9	1	12K3		JE7	JE4	120'-6"	do
R2J10	1	12K5		JE7	JE4	121'-9"	do
R2J11	1	16K7		JE7	JE4	122'-10"	do
R2J12	8	18K4		JE2	JE1	do	do
R2J13	1	18K6		JE2	JE1	do	do
R2J14	1	18K9		JE2	JE1	110'-8"	117'-4"
R2J15	5	2.5V51			JE8	See Detail	
R2J16	2	2.5V51			JE18	See Detail	
B2J1	1	12K3		JE9	JE10	120'-0"	120'-0"
B2J2	1	18K4		JE9	JE10	do	do
B2J3	1	24K6		JE9	JE10	do	do
B2J4	1	24K8		JE9	JE10	do	do
B2J5	1	24K9		JE9	JE10	do	do
B2J6	1	22K9		JE9	JE10	do	do
B2J7	1	22K4		JE9	JE10	do	do
B2J8	1	16K4		JE9	JE10	do	do
B2J9	1	12K3		JE9	JE10	do	do
B2J10	1	8K1		JE9	JE10	do	do
B2J11	1	2.5V55		JE9	JE10	120'-0"	do
B2J12	6	24K8		JE11	JE12	118'-8"	do
B2J13	6	24K8		JE11	JE12	do	do
B2J14	4	24K8		JE11	JE9	do	do
B2J15	5	24K9		JE11	JE9	do	do
B2J16	3	24K9		JE11	JE9	do	120'-0"
B2J17	1	22K7		JE11	JE14	do	119'-10"
B2J18	1	18K5		JE11	JE14	do	119'-8"
B2J19	1	14K4		JE11	JE14	do	119'-5"
B2J20	1	12K3		JE11	JE14	do	119'-3"
B2J21	1	8K1		JE11	JE14	do	119'-1"
B2J22	1	2.5V55		JE11	JE14	118'-8"	118'-10"
B2J23	3	28K9		JE12	JE11	120'-0"	118'-8"
B2J24	3	28K8		JE12	JE11	do	do
B2J25	8	28K10		JE13	JE11	do	do
B2J26	6	28K10		JE13	JE11	do	do
B2J27	7	28K10		JE13	JE11	120'-0"	118'-8"
B2J28	1	2.5V51		JE15	JE14	118'-9"	118'-10"
B2J29	1	24K10		JE15	JE14	120'-0"	118'-10"
B2J30	1	24K7		JE15	JE14	do	119'-0"
B2J31	1	18K6		JE15	JE14	do	119'-2"
B2J32	2	28K12		JE12	JE17	120'-0"	118'-8"
C2J1	23	64DLH5		JE16a	JE16a	130'-8"	130'-8"
C2J2	4	64DLH7		JE16a	JE16a	do	130'-8"
C2J3	5	32LH09		JE16a	JE16	do	129'-0"
C2J4	17	40LH12		JE16a	JE16	do	128'-8"
C2J5	5	32LH09		JE16a	JE16	130'-8"	129'-0"
C2J6	1	18K7		JE17	JE12	118'-4"	119'-4"
C2J7	1	18K7		JE17	JE12	do	do
C2J8	13	28K10		JE17	JE12	118'-0"	119'-4"
C2J9	1	40LH11		JE16	JE16	123'-4"	123'-4"
C2J10	1	40LH10		JE16	JE16	do	do
C2J11	11	40LH10		JE16	JE16	123'-4"	123'-4"
C2J12	1	18K7		JE12	JE17	119'-4"	118'-4"
C2J13	1	18K7		JE12	JE17	do	118'-4"
C2J14	13	28K10		JE12	JE17	119'-4"	118'-0"
C2J15	9	14K3		JE12	JE2	115'-4"	110'-8"

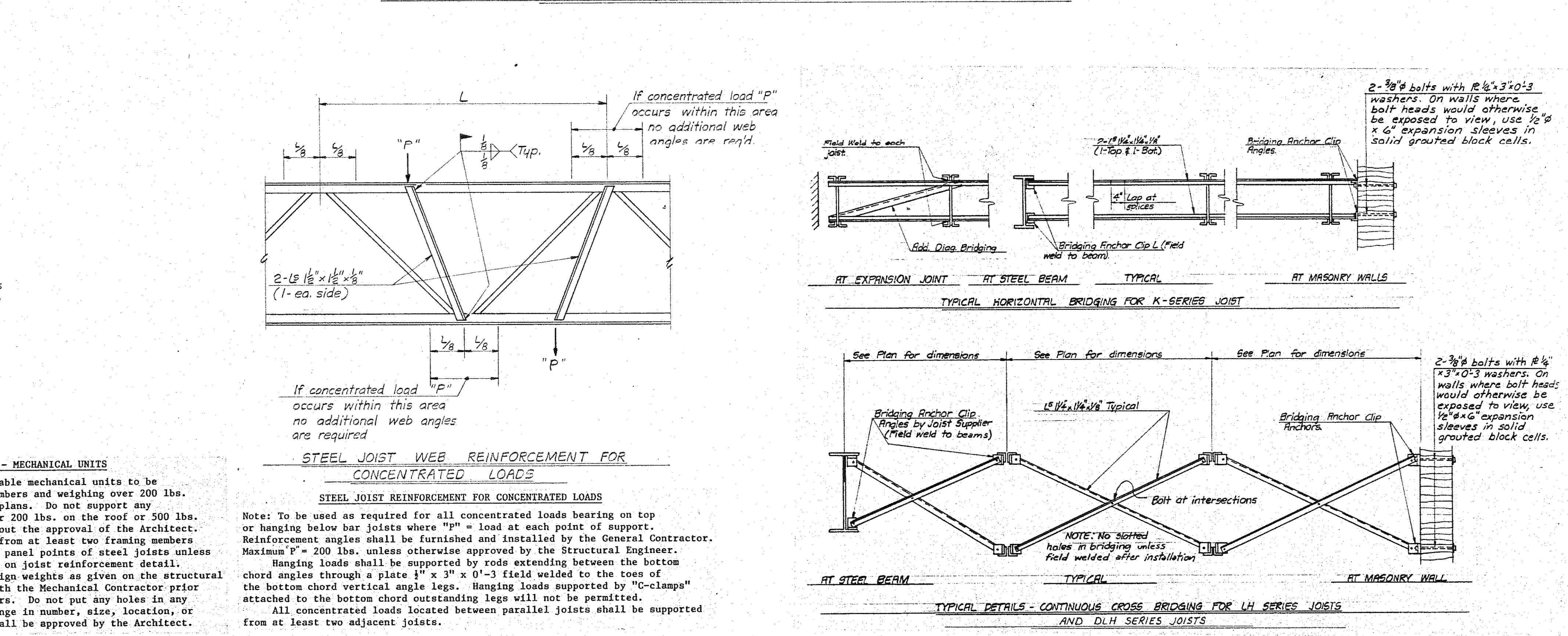
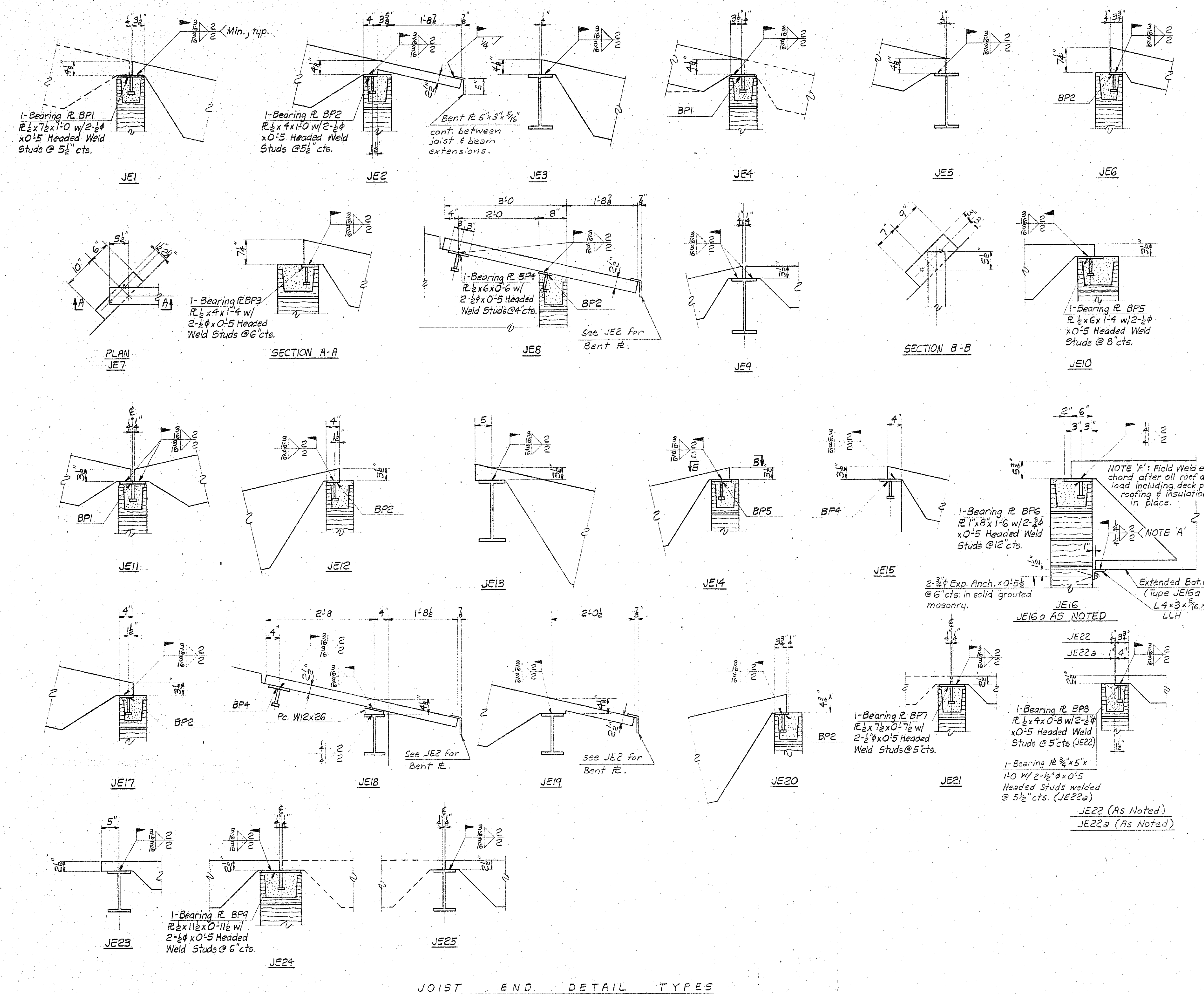
JOIST MARK	NO. OF JOISTS REQ'D	TYPE DESIGNATION	APPROX. LENGTH	END DETAIL TYPE		BEARING ELEVATIONS	
				SOUTH OR WEST	NORTH OR EAST	SOUTH OR WEST	NORTH OR EAST
D2J1	25	18K4		JE1	JE2	117'-4"	110'-8"
D2J2	5	2.5V51			JE8	See Detail	
D2J3	4	18K5		JE1	JE2	117'-4"	110'-8"
D2J4	1	18K5		JE1	JE19	do	110'-8"
D2J5	28	8K1		JE4	JE4	do	117'-4"
D2J6	6	8K1		JE4	JE4	do	do
D2J7	2	8K1		JE4	JE4	do	do
D2J8	4	8K1		JE4	JE4	117'-4"	117'-4"
D2J9	3	26K7		JE2	JE20	110'-8"	118'-8"
D2J10	2	26K10		JE2	JE20	do	118'-8"
D2J11	24	18K4		JE2	JE1	do	117'-4"
D2J12	5	18K5		JE2	JE1	do	do
D2J13	1	18K5		JE19	JE1	110'-8"	117'-4"
D2J14	4	2.5V51			JE18	See Detail	

JOIST MARK	NO. OF JOISTS REQ'D	TYPE DESIGNATION	APPROX. LENGTH	END DETAIL TYPE		BEARING ELEVATIONS	
				SOUTH OR WEST	NORTH OR EAST	SOUTH OR WEST	NORTH OR EAST
BMJ1	9	16K5		JE21/JE22	JE22	110'-2"	110'-2"
BMJ2	4	8K1		JE21	JE21	do	do
BMJ3	14	8K1		JE23	JE23	do	do
BMJ4	4	8K1		JE21	JE25	do	do
BMJ5	4	2.5V51		JE25	JE21/JE22	110'-2"	110'-2"
CMJ1	4	2.5V55		JE21	JE21	113'-6"	113'-6"
CMJ2	7	14K6SP		JE24	JE22	do	do
CMJ3	23	14K3		JE24	JE22	do	do
CMJ4	14	14K3		JE25	JE22	do	do
CMJ5	11	22K9		JE22	JE24	do	do
CMJ6	16	22K9		JE22	JE24	do	do
CMJ7	14	22K9		JE22	JE25	do	do
CMJ8	6	22K10		JE24/JE22	do	do	do
CMJ9	13	22K9		JE22	do	do	do
CMJ10	1	14K3		See Bm Det.	JE22	do	do
CMJ11	5	22K11SP		JE22a	JE22a	113'-6"	113'-6"

- Notes:**
- Noted joists shall be designed for shear determined from full uniform load but design shear shall not be less than 50% of the end reaction over the center half of span.
  - Joists shall be designed as double pitched top chord joists using the standard uniform loading for the size designation scheduled. These joists shall have a projected overall depth of 5'-4" at west end and 3'-11 3/4" at east end from the bottom chord to the top of joist at each bearing end.
  - Joists shall be designed as single pitched top chord joists with horizontal bottom chords using the standard uniform loading for the size designation scheduled. These joists shall have a projected overall depth of 5'-4" at west end and 2'-4" at east end from the bottom chord to the top of joist at each bearing end.
  - Joists shall be designed as double pitched top chord joists using the standard uniform loading for the size designation scheduled. These joists shall be 2'-11 3/4" in depth at midspan and have a projected overall depth of 8" from bottom chord to top of joist at each bearing end.
  - Design noted joists for the following load condition:
- 
- Joists shall be designed as double pitched top chord joists using the standard uniform loading for the size designation scheduled. These joists shall be 4'-0 3/8" in depth at midspan and have a projected overall depth of 2'-11 3/4" from bottom chord to top of joist at each bearing end.
  - Design noted joists for the following load condition:
- 

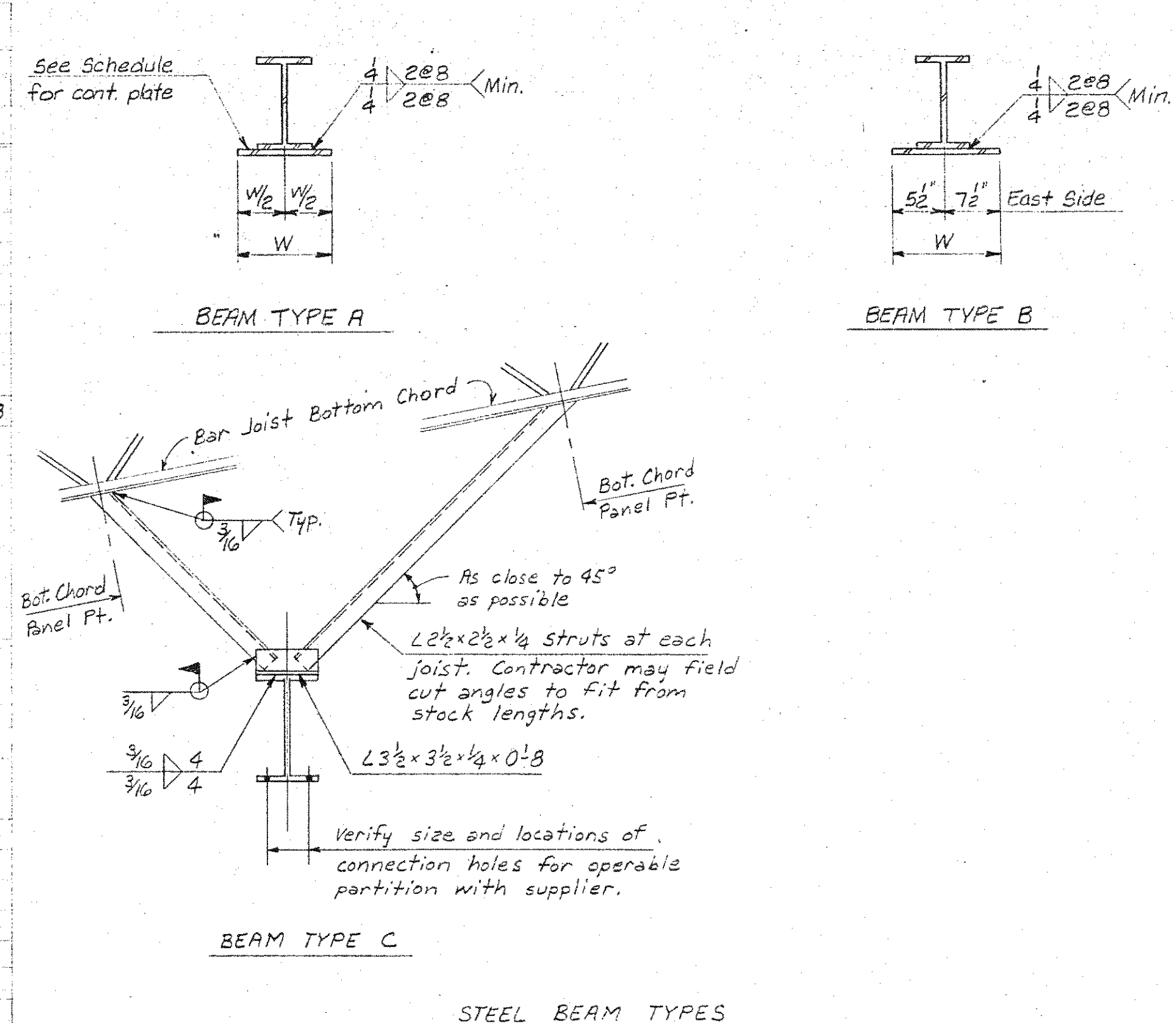
**STEEL JOISTS:**  
 All steel joists shall be standard open-web steel joists of the series and designation as shown on these drawings.  
 Joists shall be designed, manufactured and erected in accordance with the latest Standard Specifications of the Steel Joist Institute. All joists shall be field-welded to supports as detailed and in accordance with the manufacturer's recommendations. All joists shall be designed and fabricated for a minimum shear stress reversal in the webs of 25% of their maximum end reaction over the center 1/4 of span. In addition to the standard gravity loads corresponding to the scheduled joist designations joists shall also be designed and installed to safely resist a net wind uplift suction of 5 psf. Any bridging required for uplift loads in addition to that indicated on plans shall be as recommended by joist manufacturer.  
 Joists shall be fabricated with sloped bearing ends as required.  
 Bridging shall comply with SJI and AISC Specifications and shall be placed in accordance with the manufacturer's recommendations.  
 See Specifications.

**GENERAL NOTE - MECHANICAL UNITS**  
 The locations of all permissible mechanical units to be supported by joist framing members and weighing over 200 lbs. are indicated on the framing plans. Do not support any additional items weighing over 200 lbs. on the roof or 500 lbs. on mechanical mezzanines without the approval of the Architect. All items shall be supported from at least two framing members at or immediately adjacent to panel points of steel joists unless otherwise reinforced as shown on joist reinforcement detail.  
 The locations, sizes, and design weights as given on the structural drawings shall be verified with the Mechanical Contractor prior to fabrication of steel members. Do not put any holes in any steel joist members. Any change in number, size, location, or weight of mechanical units shall be approved by the Architect.



SCHEDULE OF STEEL BEAMS									
BEAM MARK	NO. REQ'D	BEAM TYPE	SECTION	APPROX. LENGTH	TOP OF BEAM ELEVATION		TYPE OF END CONNECTION		NOTES
					SOUTH OR WEST	NORTH OR EAST	SOUTH OR WEST	NORTH OR EAST	
A2B1	1		W6x12		111'-0"	111'-7"	BE1	BE2	
A2B2	1		W6x12		111'-7"	111'-0"	BE2	BE1	
A2B3	1		W8x10		111'-0"	112'-8"	BE1	BE2	
A2B4	1		W8x10		112'-8"	111'-0"	BE2	BE1	
A2B5	1		W8x13		110'-11"	113'-8"	BE3	BE2	
A2B6	1		W8x13		113'-8"	110'-11"	BE2	BE3	
A2B7	1		W6x12		111'-5"	111'-0"	BE2	BE1	
A2B8	1		W8x13		112'-1"	114'-10"	BE3	BE2	
A2B9	1		W8x13		114'-10"	112'-1"	BE2	BE3	
A2B10	1		W8x13		112'-5"	111'-0"	BE2	BE1	
A2B11	1		W12x26		112'-8"	112'-8"	BE4	BE4	BE5
A2B12	1		W12x26		112'-8"	112'-8"	BE5	BE6	
A2B13	1		W8x13		113'-3"	116'-1"	BE3	BE2	
A2B14	1		W8x13		116'-1"	113'-3"	BE2	BE3	
A2B15	1		W8x13		114'-4"	117'-1"	BE3	BE2	
A2B16	1		W8x13		117'-1"	114'-4"	BE2	BE3	
A2B17	1		W8x10		115'-6"	117'-1"	BE3	BE7	
A2B18	1		W8x10		117'-1"	115'-6"	BE7	BE3	
A2B19	1		W6x12		117'-7"	119'-6"	BE8	BE25	
A2B20	1		W6x12		119'-6"	117'-7"	BE25	BE8	
A2B21	1		W6x12		116'-8"	117'-3"	BE3	BE7	
A2B22	1		W6x12		117'-3"	116'-8"	BE7	BE3	
A2B23	1		W6x12		117'-7"	119'-6"	BE8	BE25	
A2B24	1		W6x12		119'-6"	117'-7"	BE25	BE8	
A2B25	1		W8x24		117'-4	117'-4	BE9	BE9	
A2B26	NOT USED								
A2B27	NOT USED								
A2B28	1		W6x12		118'-5"	119'-6"	BE3	BE25	
A2B29	1		W6x12		119'-6"	118'-5"	BE25	BE3	
A2B30	1		W18x50		110'-8	116'-11"	BE7	BE11	
A2B31	1		W18x50		116'-11"	110'-8	BE11	BE7	
A2B32	1		W12x26		117'-3"	120'-2"	BE19	BE20	
A2B33	1		W18x50		116'-11"	110'-8	BE12	BE57	
A2B34	1		W18x50		116'-11"	110'-8	BE12	BE10	
A2B35	1		W12x26		119'-2"	117'-3"	BE34	BE21	
A2B36	1		W18x40		123'-2"	117'-10"	BE11	BE13	
A2B37	1		W16x31		117'-10"	112'-8"	BE11	BE14	
A2B38	1		W8x18		110'-8	110'-8	BE55	BE55	
A2B39	1		W8x18		120'-7"	117'-8"	BE15	BE8	See Detail A
A2B40	1		W14x22		117'-8"	110'-11"	BE16	BE3	
A2B41	2		W6x12		111'-7"	111'-0"	BE2	BE1	
A2B42	1		W12x19		117'-8"	112'-4"	BE16	BE3	
A2B43	2		W8x10		112'-8	111'-0"	BE2	BE1	
A2B44	2		W8x13		113'-8"	111'-0"	BE2	BE1	
A2B45	2		W8x13		117'-8"	114'-4"	BE16	BE3	
A2B46	2		W8x13		114'-10"	111'-0"	BE2	BE1	
A2B47	2		W8x13		117'-8"	115'-6"	BE16	BE3	
A2B48	2		W12x16		115'-10"	111'-0"	BE2	BE1	
A2B49	2		W6x12		117'-8"	116'-8"	BE16	BE3	
A2B50	2		W12x16		116'-9"	111'-0"	BE2	BE1	
A2B51	1		W10x22		116'-11"	116'-11"	BE17	BE7	
A2B52	1		W12x16		117'-8"	113'-3"	BE16	BE3	
A2B53	1		W12x19		117'-8"	113'-0"	BE16	BE18	
A2B54	1		W8x18		117'-3"	117'-3"	BE22	BE22	
A2B55	1		W8x13		114'-7"	113'-0"	BE2	BE18	
A2B56	1		W12x16		122'-7"	118'-5"	BE2	BE3	
A2B57	3		W8x13		114'-7"	113'-0"	BE2	BE18	
A2B58	1		W8x10		121'-6"	119'-6"	BE2	BE3	
A2B59	1		W12x26		119'-6"	119'-6"	BE34	BE23	
A2B60	1		W6x15		119'-6"	119'-6"	BE24	BE24	
A2B61	1		W8x10		120'-4"	118'-5"	BE2	BE3	
A2B62	1		W12x16		119'-6"	117'-7"	BE2	BE21	
A2B63	1		W8x18		117'-3"	117'-3"	BE22	BE22	See Detail B
A2B64	1		W12x26		118'-11"	113'-0"	BE2	BE18 (Sim.)	
A2B65	1		W12x19		117'-9"	do	BE2	BE18	
A2B66	1		W12x16		116'-8	do	BE2	BE18	
A2B67	1		W8x13		115'-6"	do	BE2	BE18	
A2B68	1		W8x13		114'-4"	do	BE2	BE18	
A2B69	1		W8x10		113'-5"	113'-0"	BE2	BE18	
A2B70	1		W12x26		114'-3"	114'-3"	BE5	BE5	

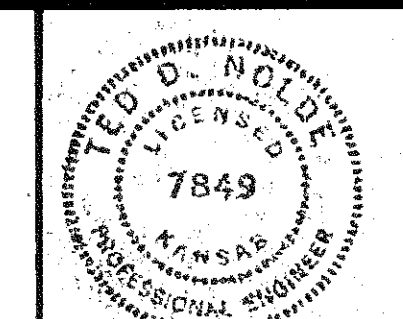
BEAM MARK	NO. REQ'D	BEAM TYPE	SECTION	APPROX. LENGTH	TOP OF BEAM ELEVATION		TYPE OF END CONNECTION		NOTES
					SOUTH OR WEST	NORTH OR EAST	SOUTH OR WEST	NORTH OR EAST	
D2B74	1		W12x19		117'-8"	123'-7"	BE48	BE16	
D2B75	1		W8x18		117'-3"	117'-3"	BE22	BE22	
D2B76	4		W8x19		113'-0"	114'-7"	BE18	BE7	
D2B77	1		W12x16		118'-5"	122'-7"	BE3	BE2	
D2B78	1		W6x15		119'-6"	119'-6"	BE24	BE24	
D2B79	1		W12x26		119'-6"	119'-6"	BE23	BE34	
D2B80	1		W8x10		119'-6"	121'-6"	BE24	BE2	
D2B81	1		W8x10		118'-5"	120'-4"	BE3	BE2	
D2B82	1		W8x18		117'-3"	117'-3"	BE22	BE22	See Detail B
D2B83	1		W12x16		117'-7"	119'-6"	BE21	BE2	
D2B84	1		W12x26		113'-0"	118'-11"	BE18 (Sim)	BE2	
D2B85	1		W12x19		do	117'-9"	BE18	BE2	
D2B86	1		W12x16		do	116'-8	BE18	BE2	
D2B87	1		W8x13		do	115'-6"	BE18	BE2	
D2B88	1		W8x13		do	114'-4"	BE18	BE2	
D2B89	1		W8x10		113'-0"	113'-5"	BE18	BE2	
D2B90	2		W8x18		110'-8	110'-8	BE9	BE9	
D2B91	1		W12x26		114'-3"	114'-3"	BE5	BE5	

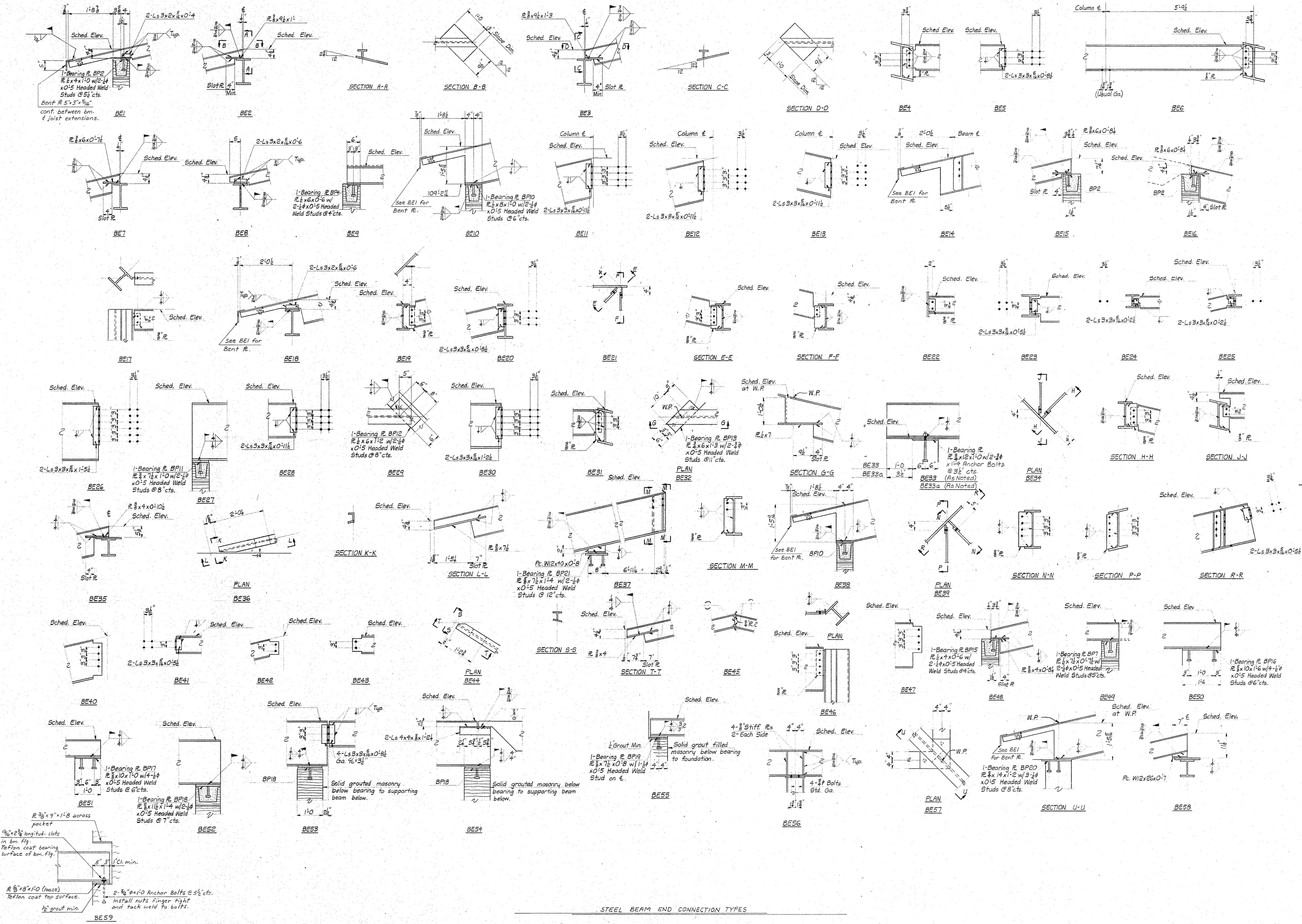


BEAM MARK	NO. REQ'D	BEAM TYPE	SECTION	APPROX. LENGTH	TOP OF BEAM ELEVATION		TYPE OF END CONNECTION		NOTES
					SOUTH OR WEST	NORTH OR EAST	SOUTH OR WEST	NORTH OR EAST	
BMB1	1		W16x40		110'-2	110'-2	BE28	BE28	
BMB2	1		W8x13		110'-4"	110'-4"	BE41	BE49	
BMB3	1		W8x18		110'-2	110'-2	BE49	BE49	

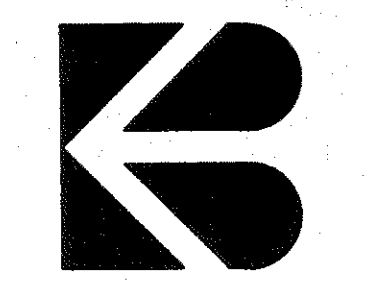
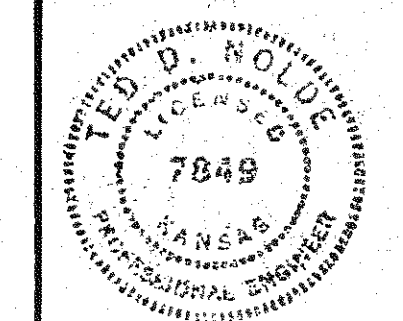
BEAM MARK	NO. REQ'D	BEAM TYPE	SECTION	APPROX. LENGTH	TOP OF BEAM ELEVATION		TYPE OF END CONNECTION		NOTES
					SOUTH OR WEST	NORTH OR EAST	SOUTH OR WEST	NORTH OR EAST	
CMB1	1	A	W8x24		108'-0"	108'-0"	BE51	BE51	R $\frac{3}{8}$ x11 Cont
CMB2	1		W12x26		113'-6"	113'-6"	BE50	BE50	BE56
CMB3	1	A	W8x24		108'-0"	108'-0"	BE51	BE51	R $\frac{3}{8}$ x11 Cont
CMB4	1		W12x50		113'-8"	113'-8"	BE52	BE53	
CMB5	1		W12x26		do	do	BE53	BE49	
CMB6	1		W12x50		113'-8"	113'-8"	BE52	BE54	

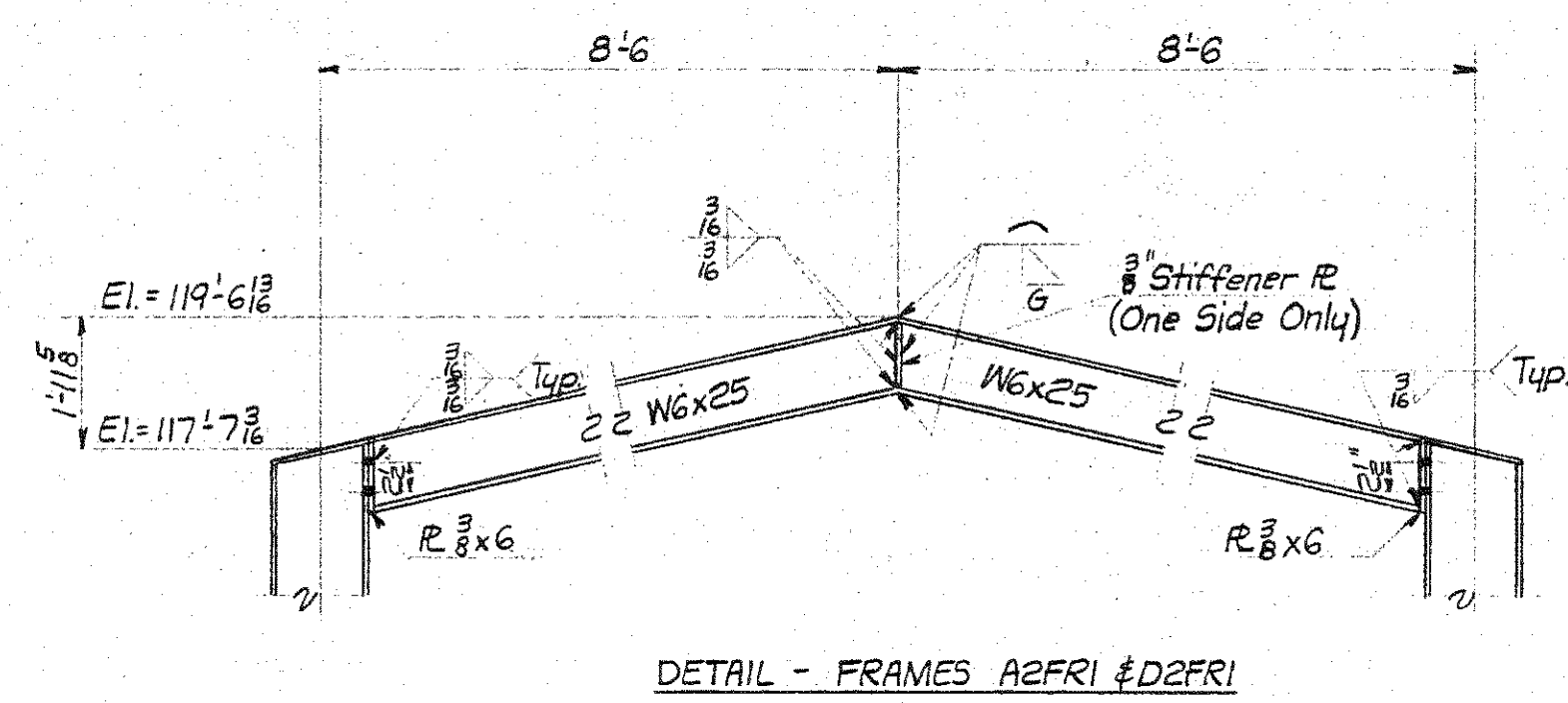
NOTES:  
 ① Sched. Elevation is to bottom of beam.



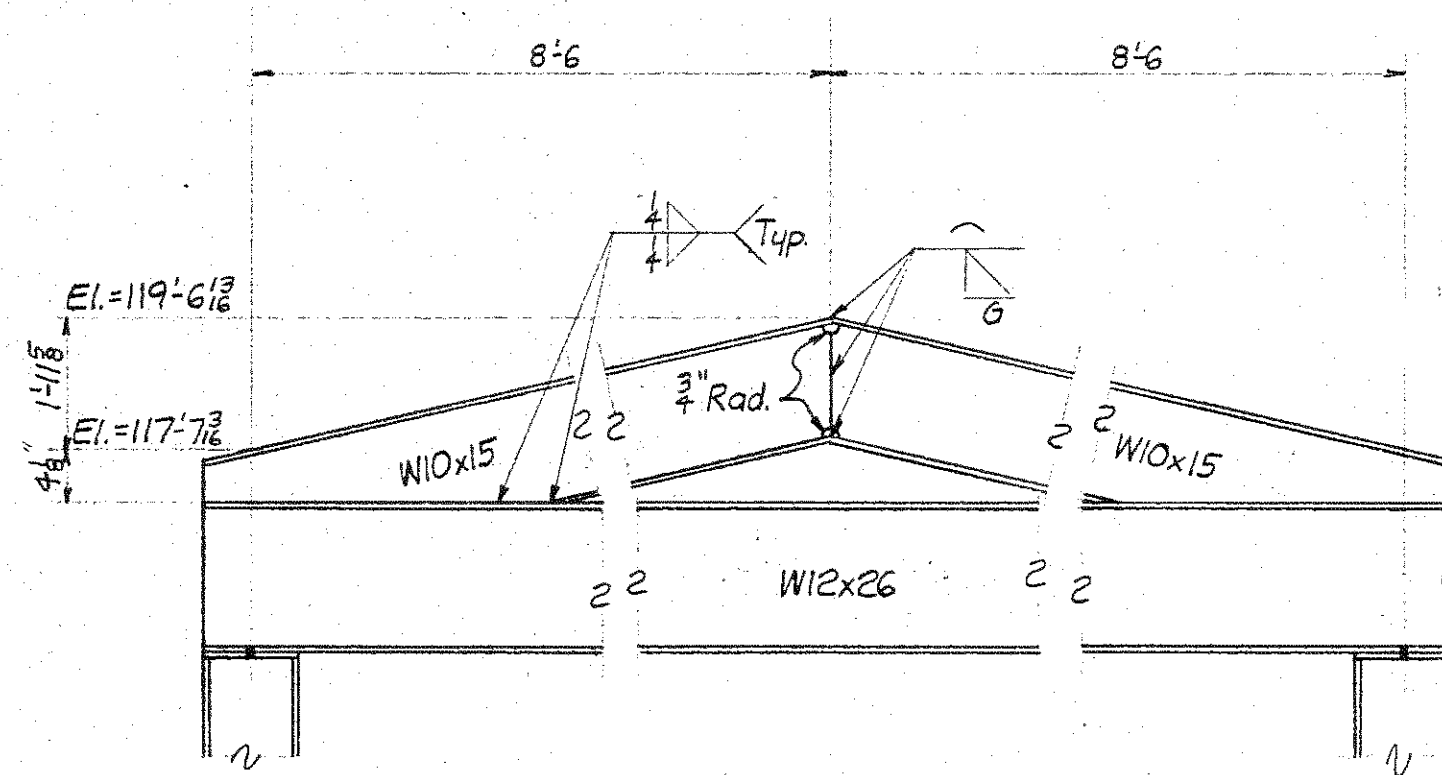


STEEL BEAM END CONNECTION TYPES

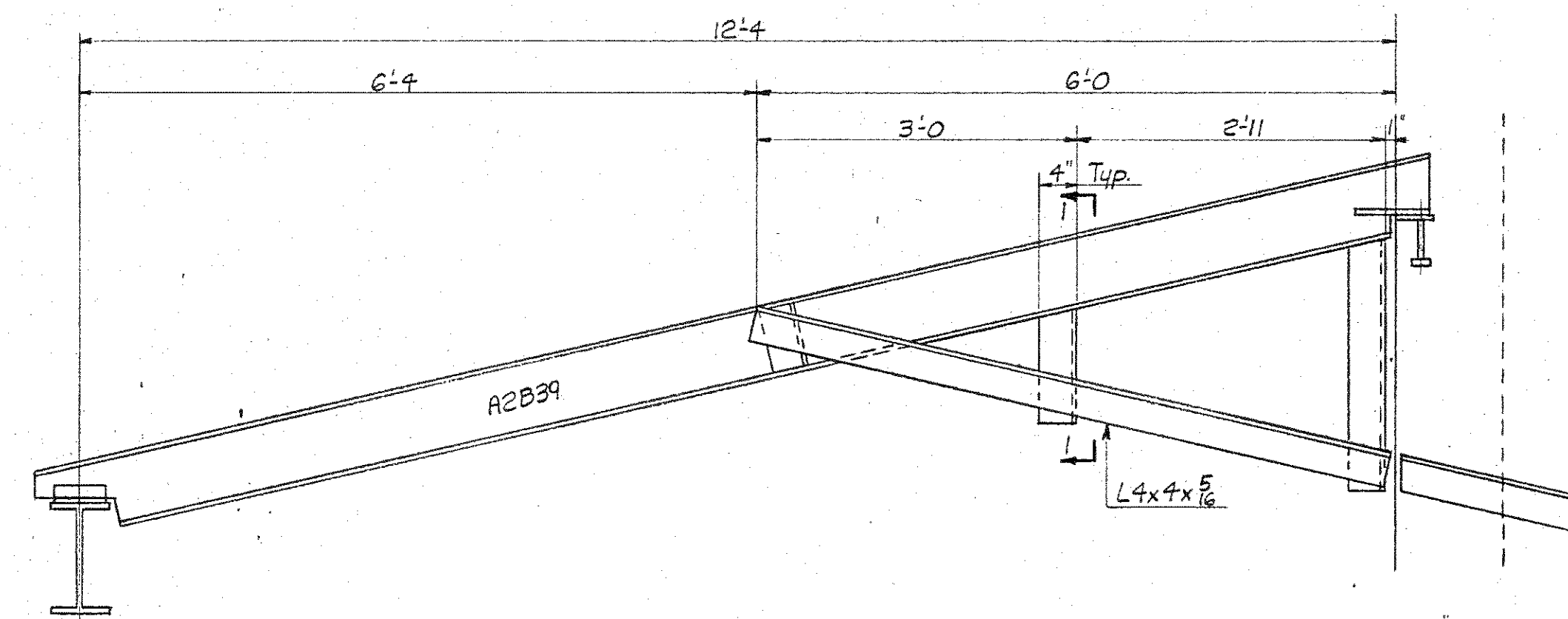




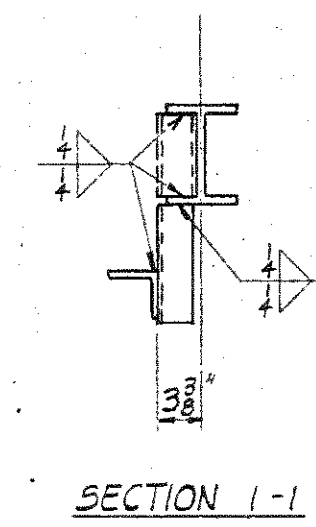
DETAIL - FRAMES A2FR1 & D2FR1



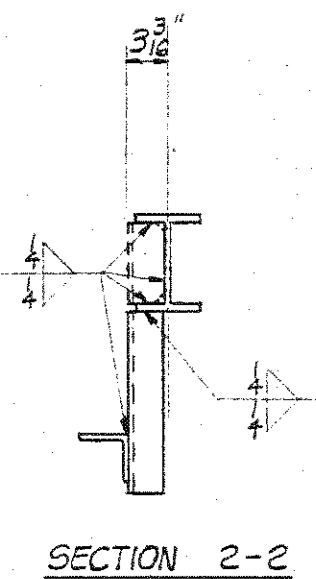
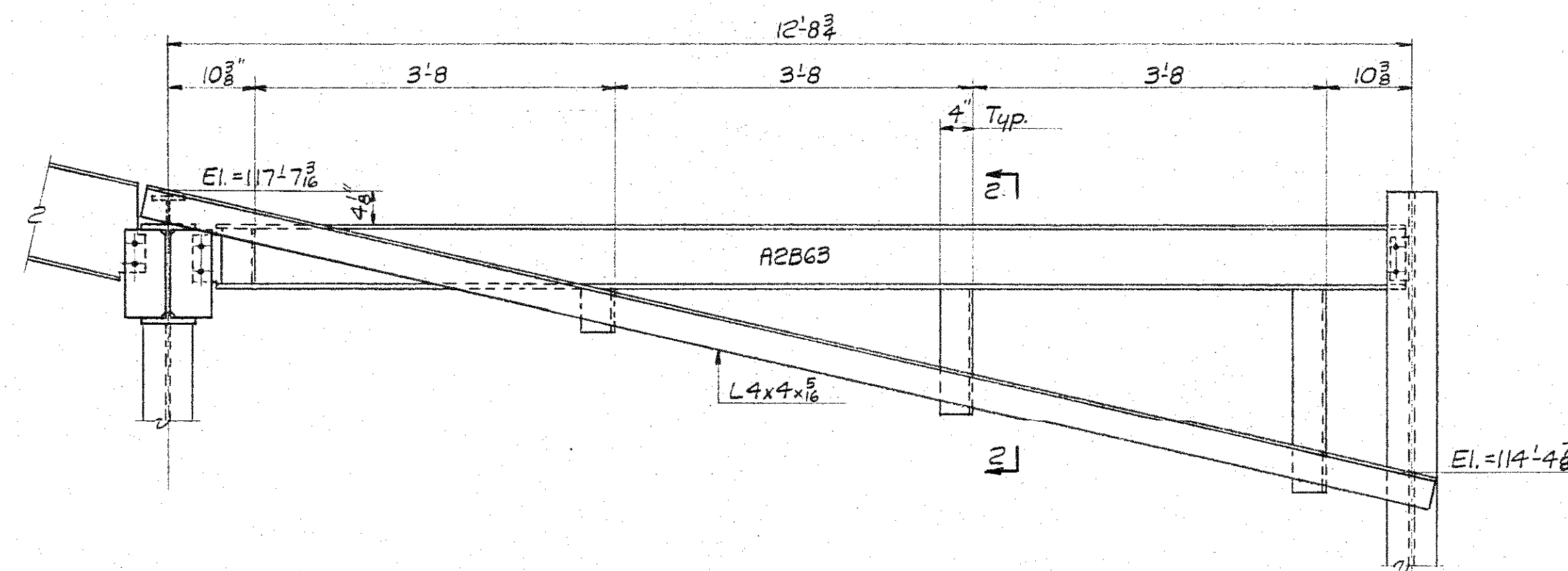
DETAIL - FRAMES A2FR2 & D2FR2



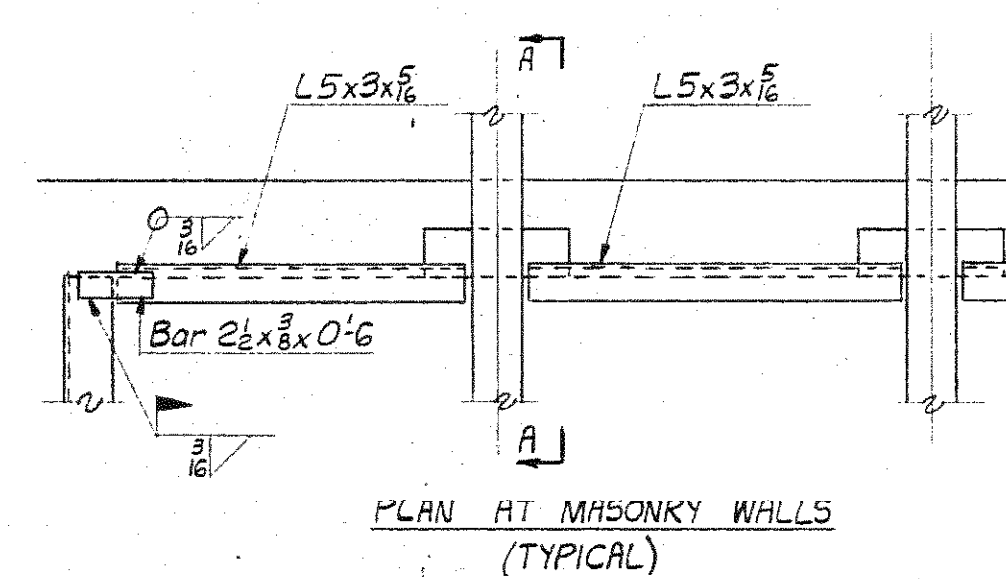
DETAIL A



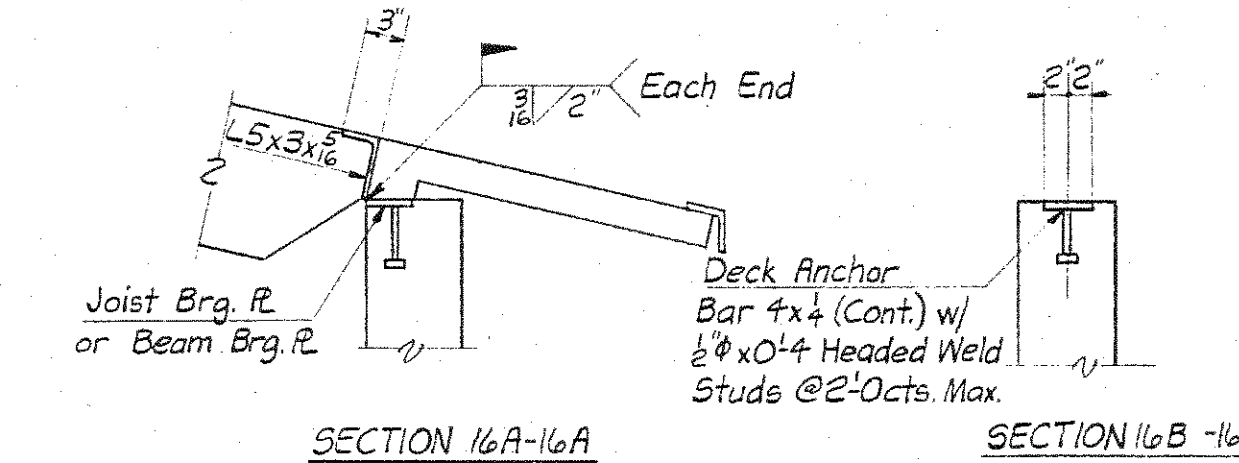
SECTION 1-1



SECTION 2-2

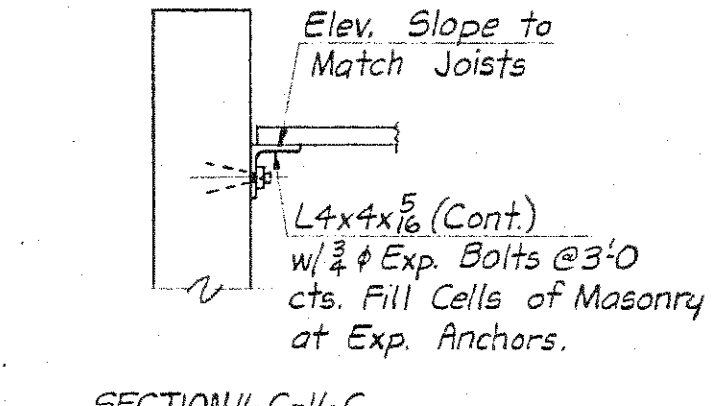


PLAN AT MASONRY WALLS (TYPICAL)

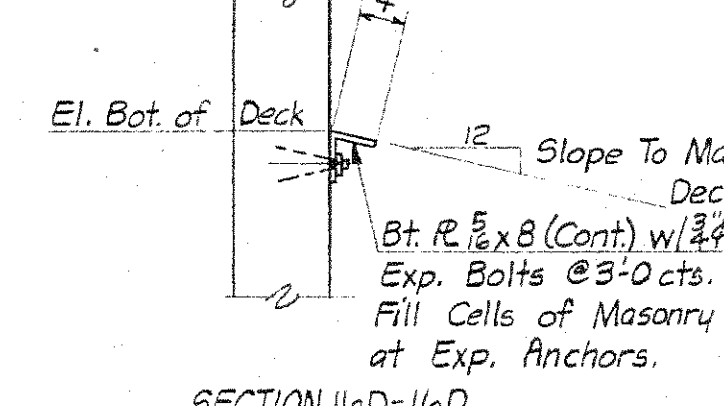


SECTION 16A-16A

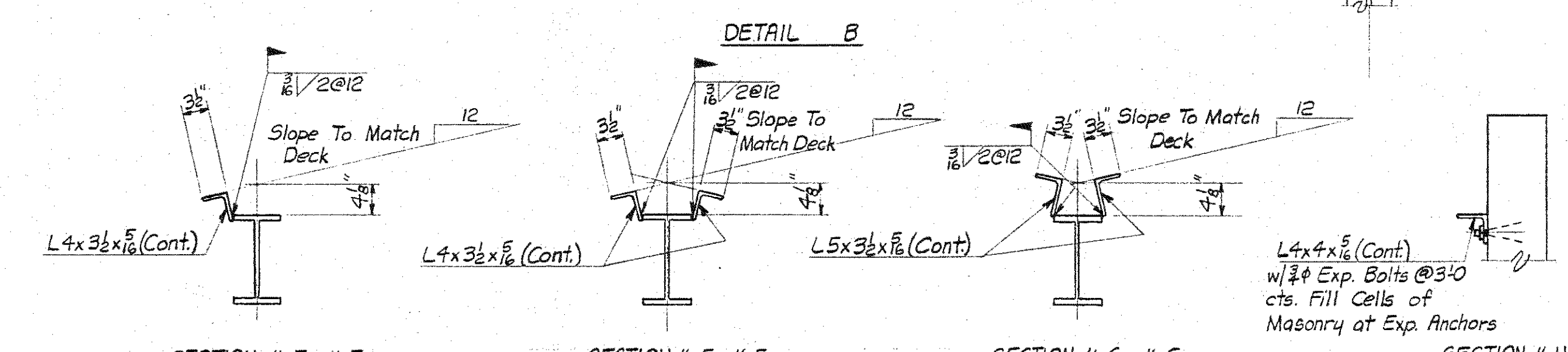
SECTION 16B-16B



SECTION 16C-16C



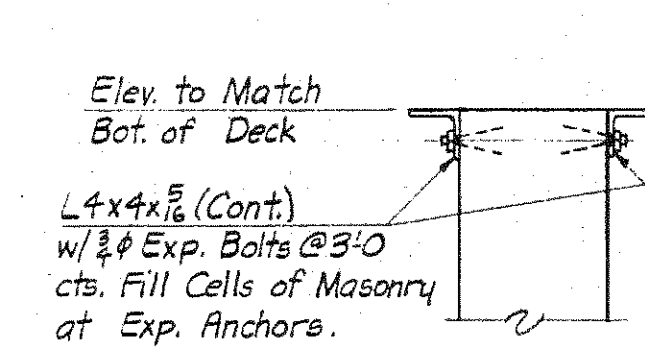
SECTION 16D-16D



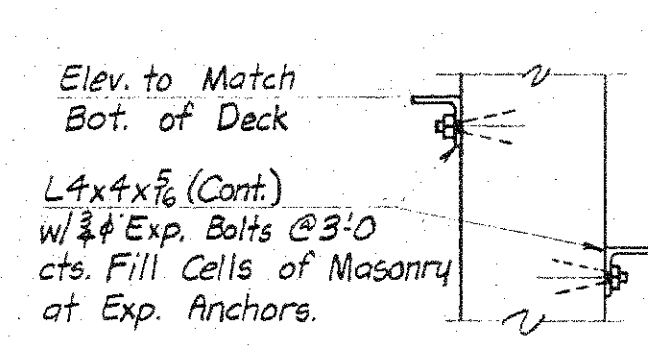
SECTION 16E-16E

SECTION 16F-16F

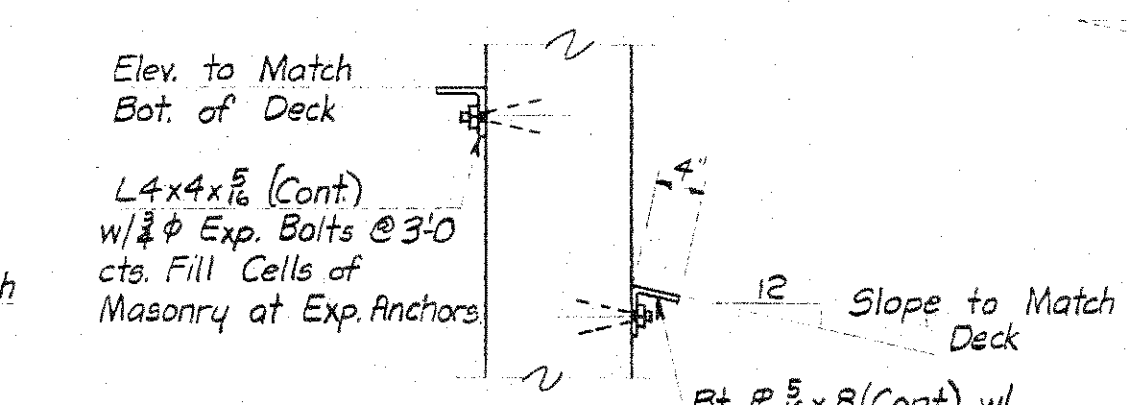
SECTION 16G-16G



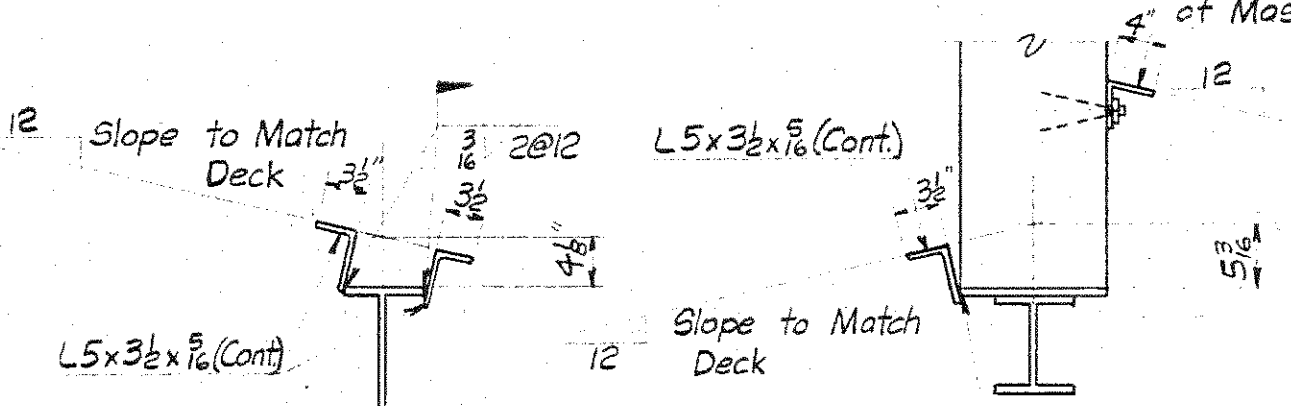
SECTION 16K-16K



SECTION 16L-16L

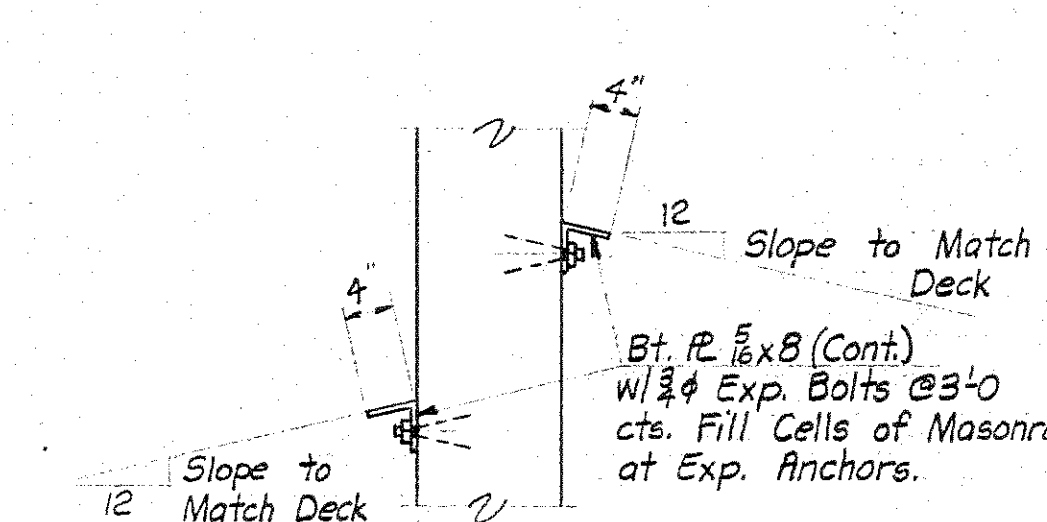


SECTION 16M-16M



SECTION 16N-16N

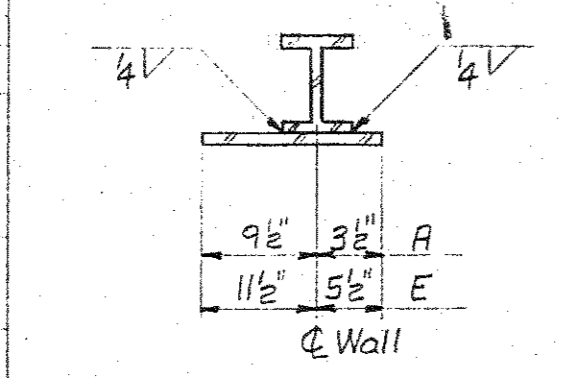
SECTION 16P-16P



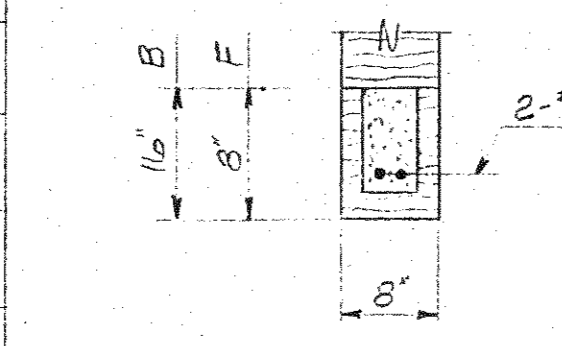
SECTION 16R-16R

LINTEL SCHEDULE				LINTEL SCHEDULE (Cont.)					
LINTEL MARK	NO OF LINTELS REQ'D	SECTION	APPROX. LENGTH	TYPE	LINTEL MARK	NO OF LINTELS REQ'D	SECTION	APPROX. LENGTH	TYPE
A2L1	12	WB x 18 R 3/8 x 13	1	A	CML1	2	WB x 24	2	C
A2L2	1	WB x 18 R 3/8 x 13	1	A	CML2	2	WB x 24	2	C
A2L3	1	BOND BEAM		B	CML3	1	BOND BEAM		F
A2L4	1	WB x 18 R 3/8 x 13	1	A	CML4	4	WB x 18 R 3/8 x 11	1	D
A2L5	1	WB x 18 R 3/8 x 13	1	A	CML5	2	WB x 18 R 3/8 x 11	1	D
B2L1	1	WB x 21 R 3/8 x 13	1	A	CML6	2	WB x 18 R 3/8 x 11	1	D
B2L2	2	WB x 18 R 3/8 x 13	1	A	CML7	1	WB x 21 R 3/8 x 17	1	E
B2L3	1	WB x 18 R 3/8 x 13	1	A	CML8	1	WB x 21 R 3/8 x 17	1	E
B2L4	2	WB x 24	2	C	CML9	1	WB x 21 R 3/8 x 17	1	E
B2L5	1	WB x 24	2	C	CML10	1	WB x 24	2	C
B2L6	1	WB x 24	2	C					
B2L7	2	WB x 21 R 3/8 x 17	1	E					
B2L8	1	WB x 18 R 3/8 x 13	1	A					
B2L9	3	WB x 18 R 3/8 x 13	1	A					
B2L10	1	BOND BEAM		F					
B2L11	1	BOND BEAM		F					
B2L12	1	BOND BEAM		G					
C2L1	1	WB x 21 R 3/8 x 17	1	E					
C2L2	1	WB x 21 R 3/8 x 17	1	E					
C2L3	2	WB x 18 R 3/8 x 13	1	A					
C2L4	10	WB x 18 R 3/8 x 13	1	A					
C2L5	3	WB x 21 R 3/8 x 17	1	E					
C2L6	2	WB x 24	2	J					
C2L7	1	WB x 21 R 3/8 x 17	1	E					
C2L8	2	WB x 18 R 3/8 x 13	1	A					
C2L9	4	WB x 18 R 3/8 x 13	1	A					
D2L1	13	WB x 18 R 3/8 x 13	1	A					
D2L2	3	WB x 18 R 3/8 x 13	1	A					
D2L3	1	BOND BEAM		F					
D2L4	4	WB x 18 R 3/8 x 13	1	A					
D2L5	7	WB x 18 R 3/8 x 13	1	A					
D2L6	1	WB x 21 R 3/8 x 13	1	A					
D2L7	1	WB x 18 R 3/8 x 13	1	A					
D2L8	1	WB x 18		C					
ACL1	1	BOND BEAM		F					
ACL2	1	"		B					
ACL3	1	"		B					
ACL4	1	"		B					
ACL5	2	"		B					
ACL6	1	WB x 18 R 3/8 x 13	1	A					
ACL7	1	BOND BEAM		F					
ACL8	1	BOND BEAM		B					
CCL1	2	WB x 21 R 3/8 x 17	1	E					
CCL2	4	BOND BEAM		F					
CCL3	2	WB x 18 R 3/8 x 13	1	A					
DCL1	2	BOND BEAM		F					
DCL2	1	WB x 18 R 3/8 x 13	1	A					
DCL3	1	BOND BEAM		F					
DCL4	1	BOND BEAM		B					
BML1	1	WB x 24	2	C					
BML2	1	BOND BEAM		F					
BML3	3	"		F					
BML4	2	"		B					

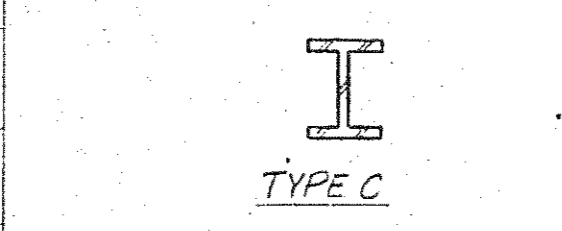
NOTES:  
 1) Hold 1/4" short of jamb @ each end of lintel.  
 2) Provide bearing plate @ each end of lintel - see beam end connection BESS.  
 3) Provide 3/8" x 11/8" O.S. Brg. @ 1/4" O.C. @ ends of lintel.  
 All lintels shall have 5/16" min. brg. @ ea. end.



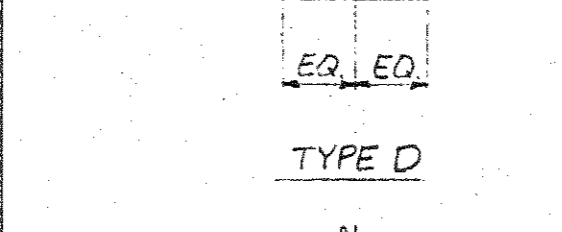
TYPE A AS NOTED  
TYPE E AS NOTED



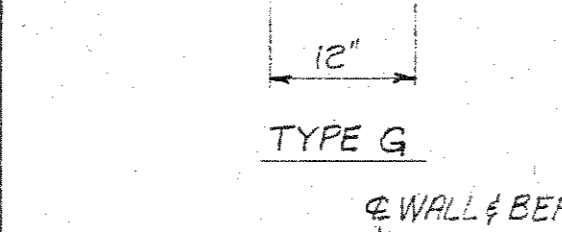
TYPE B AS NOTED  
TYPE F AS NOTED



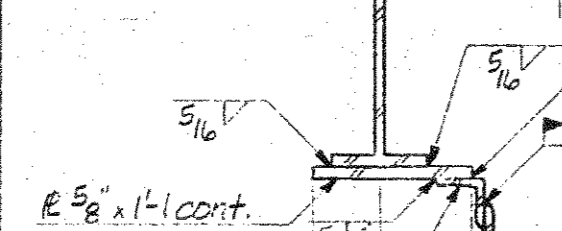
TYPE C



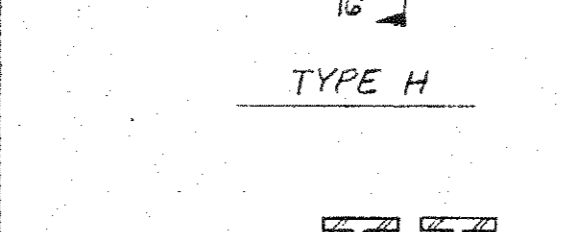
TYPE D



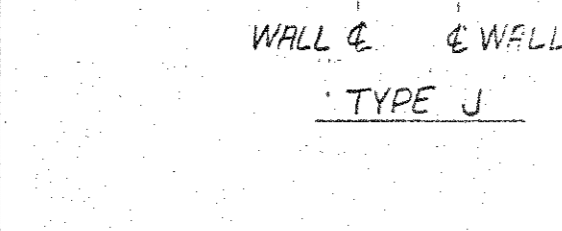
TYPE E



TYPE G



TYPE H



TYPE J

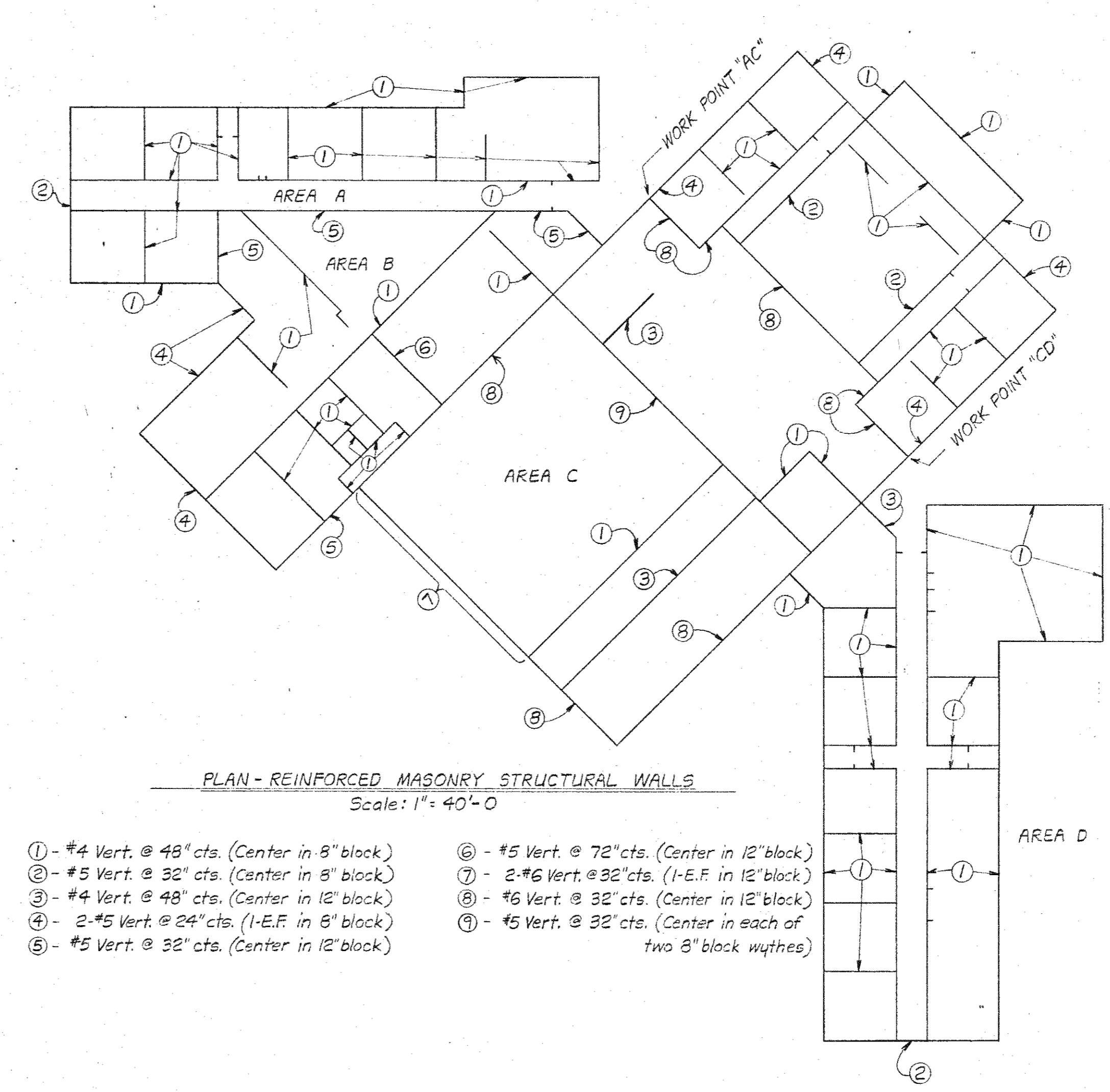
① MISCELLANEOUS LINTELS

LINTEL SCHEDULE, 8" x 12" CMU WALLS (U.O.N.)	
OPENING WIDTH	LINTEL TYPE
LESS THAN 3'-4"	8" BOND BM. w/ 2-#5's
3'-5" to 4'-8"	8" BOND BM. w/ 2-#6's
4'-9" to 6'-4"	8" BOND BM. w/ 2-#6's
6'-5" to 8'-0"	16" BOND BM. w/ 2-#6's
See Lintel Types B & F	

LINTEL SCHEDULE, 14" MRS'Y WALLS* (U.O.N.)	
OPENING WIDTH	LINTEL TYPE
LESS THAN 12'-0"	WB x 18 + R 3/8 x 13"
* 8" CMU + CAVITY + 4" BRICK OR CMU	
See Lintel Type A for Addnl. Information	

LINTEL SCHEDULE, 18" MRS'Y WALLS** (U.O.N.)	
OPENING WIDTH	LINTEL TYPE
LESS THAN 12'-0"	WB x 21 + R 3/8 x 17"
** 12" CMU + CAVITY + 4" BRICK OR CMU	
See Lintel Type E for Addnl. Information	

① This table is to be used for all lintels that are not otherwise scheduled.



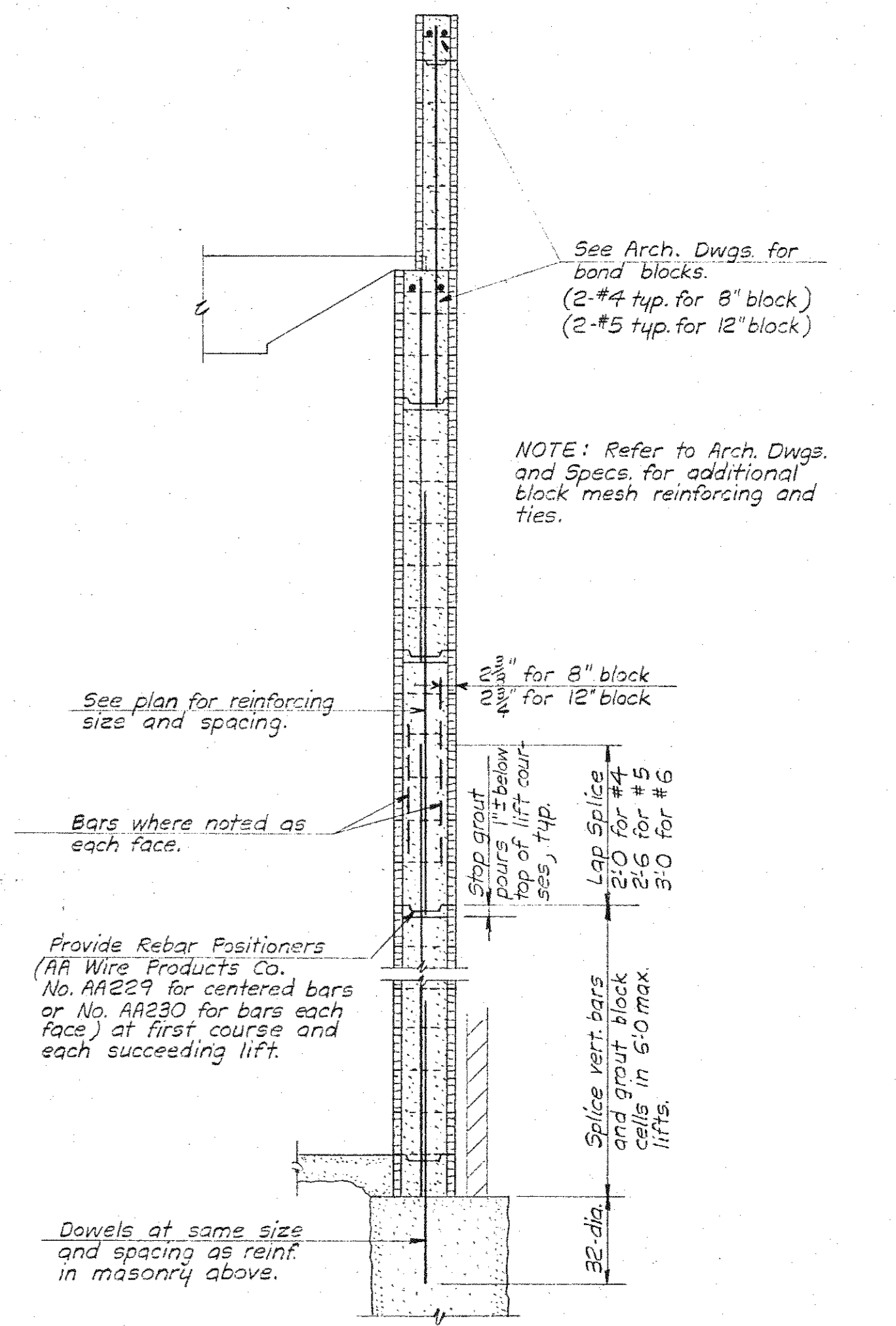
- ① - #4 Vert. @ 48" cts. (Center in 8" block)
- ② - #5 Vert. @ 32" cts. (Center in 8" block)
- ③ - #4 Vert. @ 48" cts. (Center in 12" block)
- ④ - #5 Vert. @ 24" cts. (I-E.F. in 8" block)
- ⑤ - #5 Vert. @ 32" cts. (Center in 12" block)
- ⑥ - #5 Vert. @ 72" cts. (Center in 12" block)
- ⑦ - 2-#6 Vert. @ 32" cts. (I-E.F. in 12" block)
- ⑧ - #6 Vert. @ 32" cts. (Center in 12" block)
- ⑨ - #5 Vert. @ 32" cts. (Center in each of two 8" block wythes)

TABLE OF MASONRY JAMB REINFORCING				
LOCATION	WALL THICKNESS	MAX. WALL HEIGHT	MAX. OPENING WIDTH	JAMB REINFORCING
Exterior	8"	14'-0"	2'-0"	1-#4 centered
			4'-0"	1-#5 centered
			6'-8"	2-#6 centered
	12"	14'-0"	8'-0"	2-#5 (1-ea. face)
			10'-0"	2-#5 (1-ea. face)
			12'-0"	4-#5 (2-ea. face)
Interior	8" or 12"	20'-0"	4'-0"	1-#4 centered
			8'-0"	1-#5 centered
			12'-0"	1-#5 centered
	12"	20'-0"	4'-0"	1-#5 centered
			8'-0"	1-#6 centered
			12'-0"	1-#6 centered

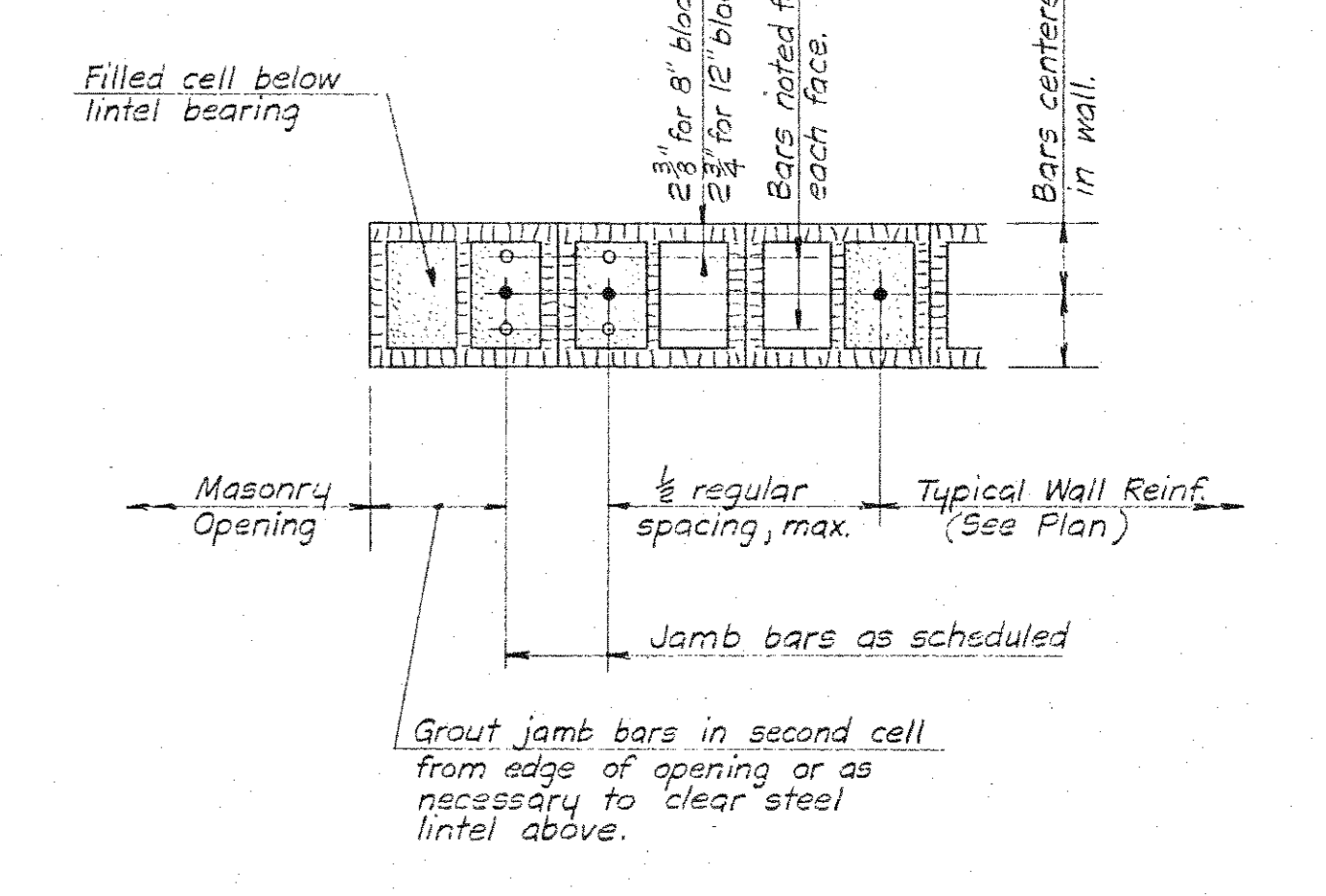
NOTES:  
 1) Use same size bar(s) as typical reinforcing for wall if greater than that scheduled above.  
 2) Use 2-#6 (1-e.f.) at 2'-0" piers between windows in Areas A & D.

REINFORCING TABLE FOR NON-STRUCTURAL PART'NS.		
THICKNESS	MAX. HEIGHT	REQ'D. VERTICAL REINFORCING GROUDED IN CTR. OF BLOCK
8"	14'-0"	NONE
12"	20'-0"	#4 @ 48" cts.
12"	20'-0"	NONE
12"	30'-0"	#4 @ 48" cts.

REINFORCED MASONRY:  
 All reinforced masonry construction shall conform to Section 2404 of the Uniform Building Code, 1988 Edition, with grout placed in reinforced cells of hollow block in 6'-0" maximum height lifts.  
 All hollow light weight concrete masonry units shall conform to ASTM C90, Grade N-1, and supplier shall furnish evidence of tests made on units to be used in accordance with ASTM C140, showing a minimum compressive strength of 2000 psi on net area.  
 All mortar shall conform to ASTM C270, Type S. Grout for bond beams and for reinforced vertical cells shall conform to ASTM C476 and shall have a minimum 28 days compressive strength of 2500 psi.  
 Reinforcing bars shall conform to ASTM A615-65, Grade 60. All bars shall lap 48 bar diameters at splices and all horizontal bars in bond beams shall be bent 48 bar diameters at corners or shall have separate corner bars, with each leg equal to 48 bar diameter. See Architectural Drawings and Specifications for horizontal joint reinforcing.

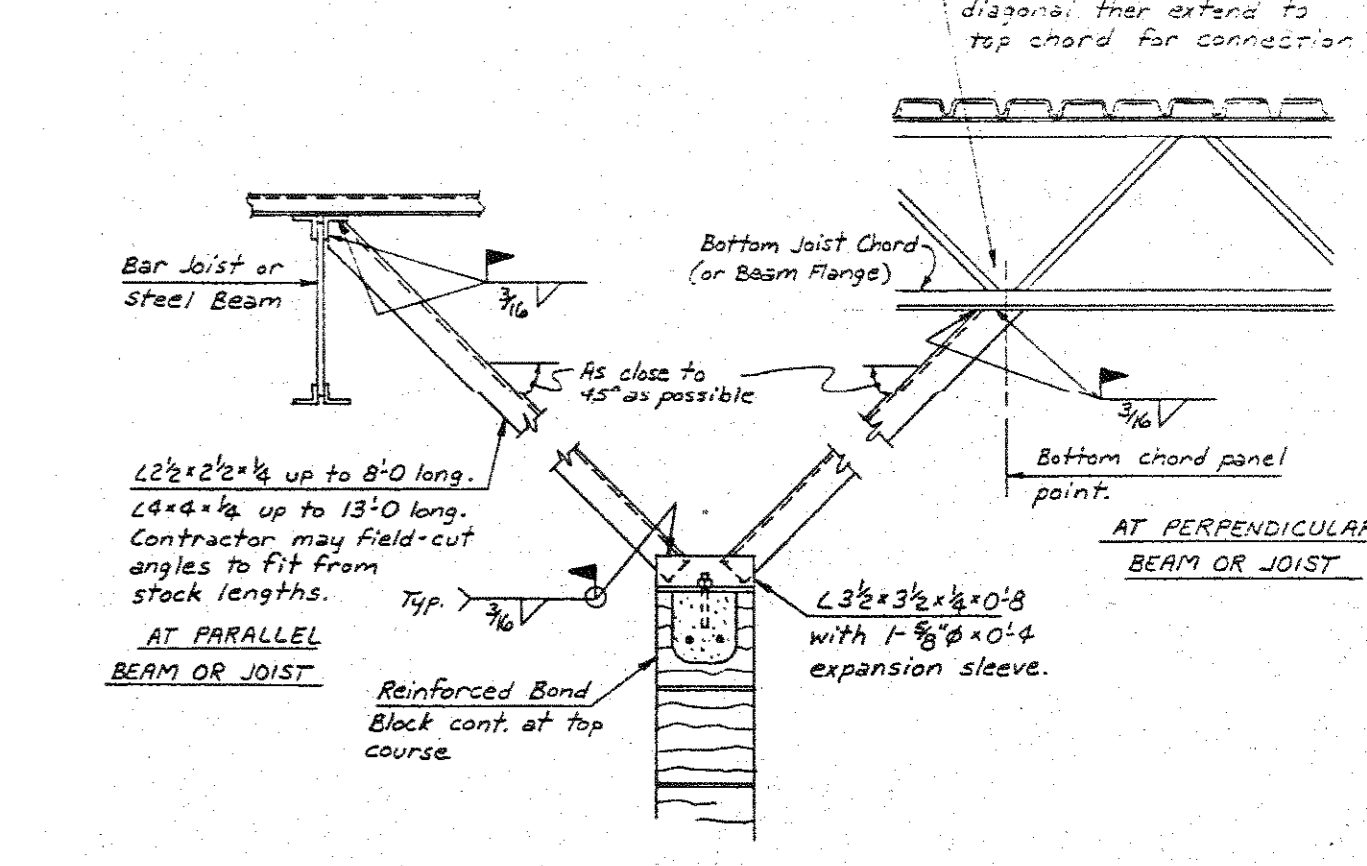


TYPICAL DETAIL -- REINFORCED MASONRY WALLS



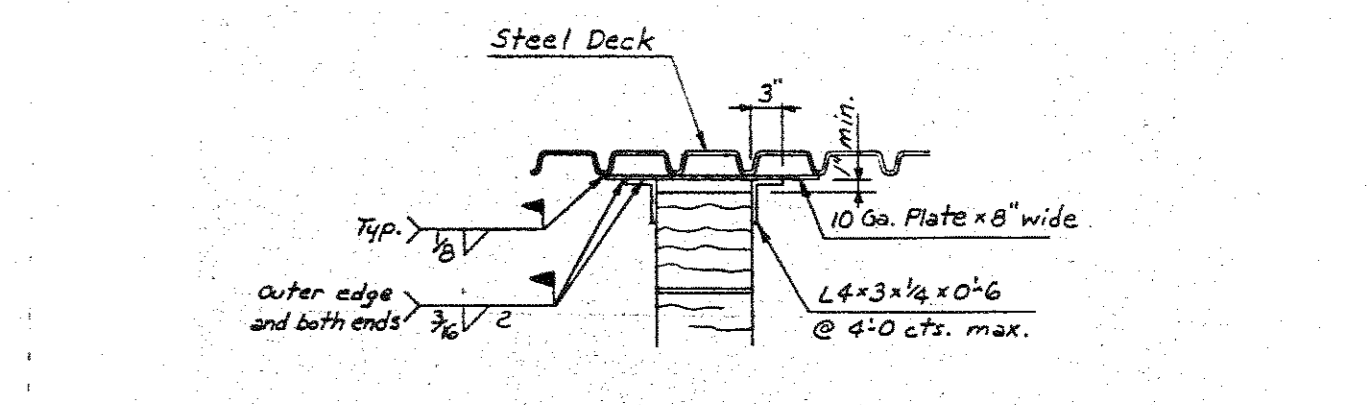
TYPICAL REINFORCED MASONRY JAMB DETAIL

NOTE: Jamb reinforcing bars to be provided for full height of wall spliced in 6'-0" lifts.

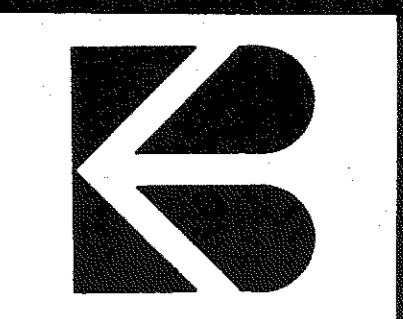
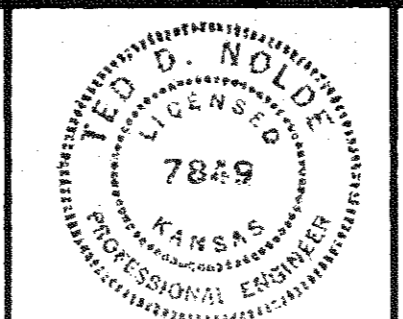


TYPICAL DETAIL - ANCHORAGE OF NON-STRUCTURAL MASONRY PARTITIONS THAT TERMINATE BELOW ROOF OR FLOOR DECK

NOTE: At partitions without openings where their length between intersecting partitions is less than their height, diagonal bracing shown above may be omitted.

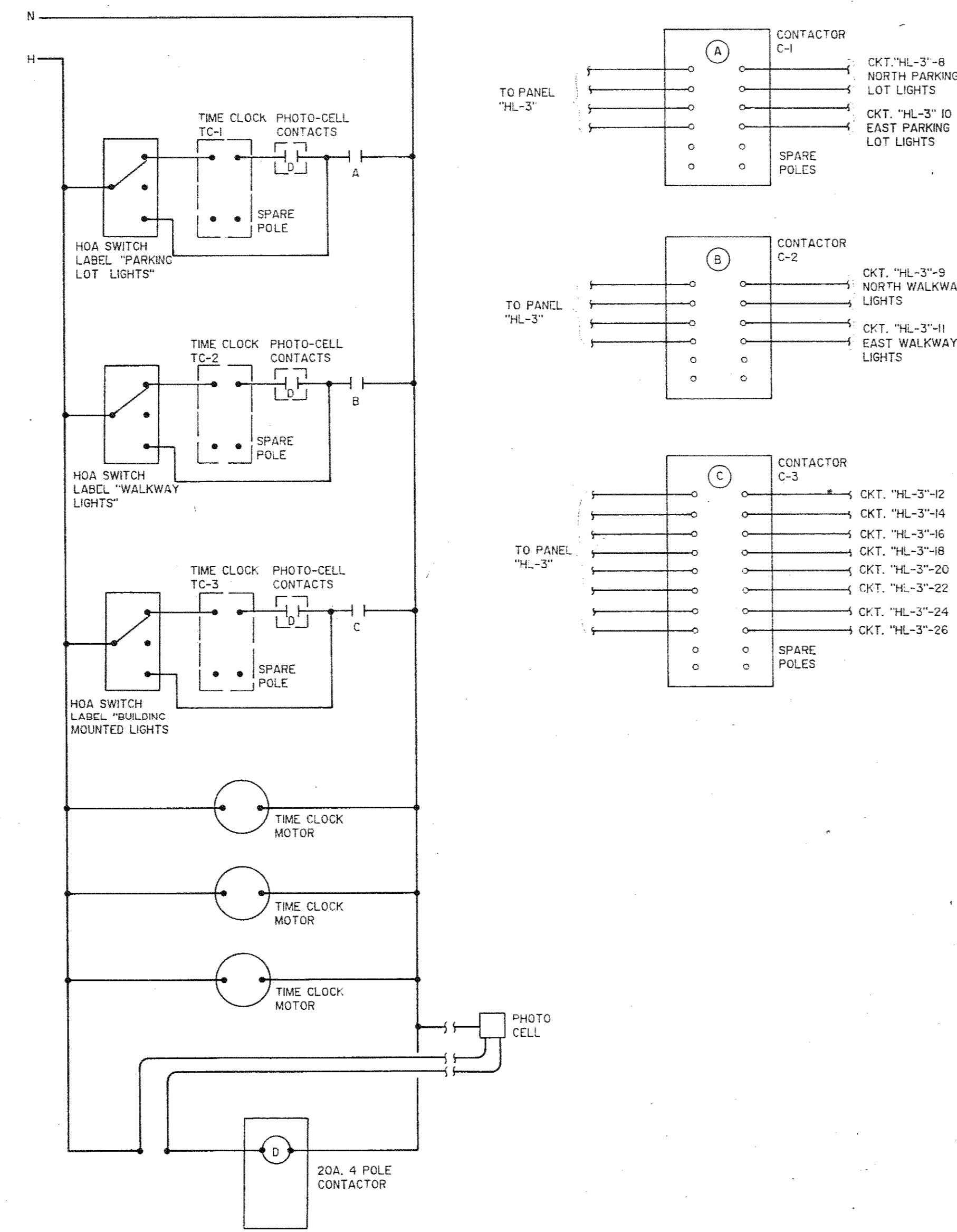


TYPICAL DETAIL - ANCHORAGE OF NON-STRUCTURAL MASONRY PARTITIONS THAT EXTEND TO ROOF OR FLOOR DECK

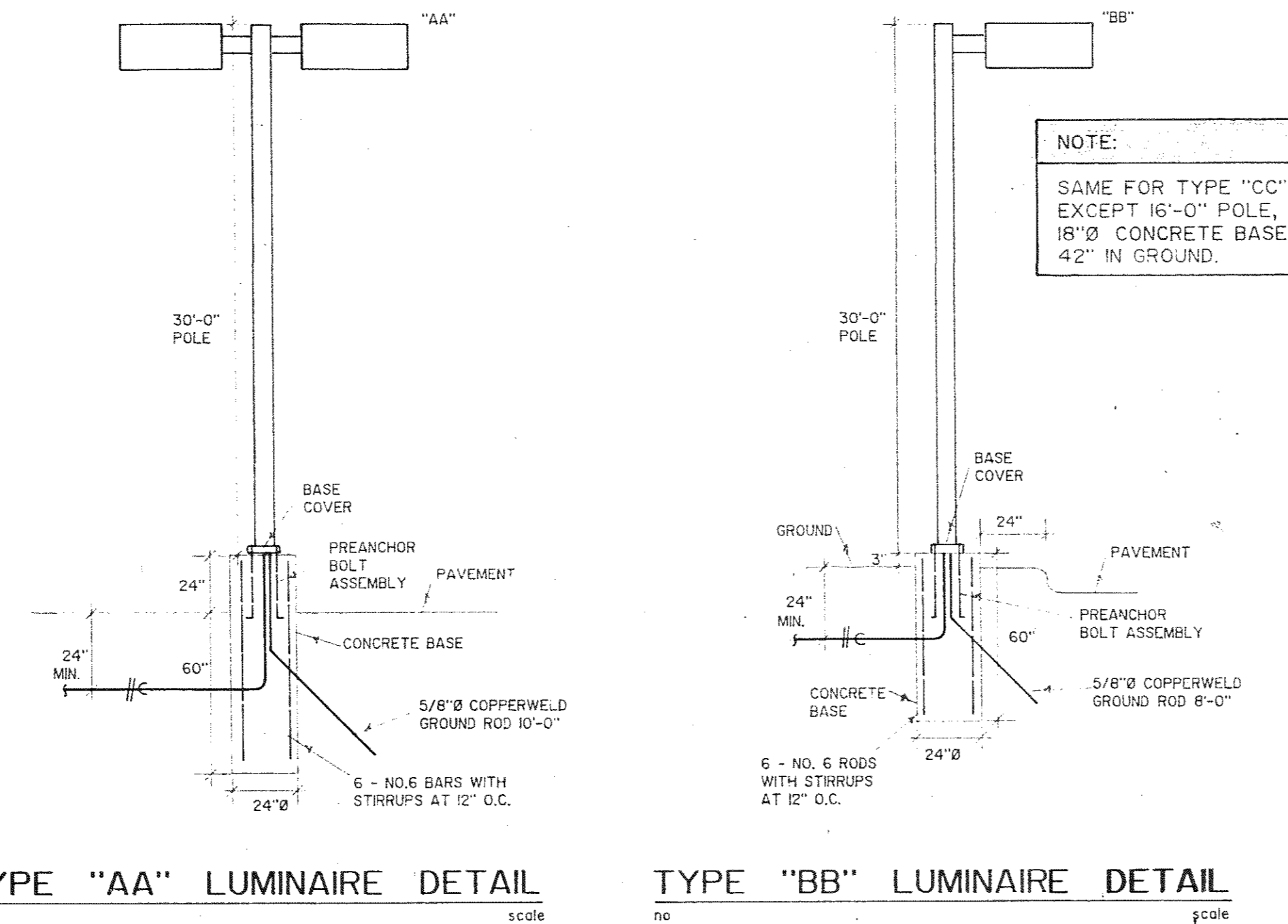


MECHANICAL SYMBOLS	
SOIL LINE ABOVE EARTH	WATER CLOSET & TYPE (TYP. FOR ALL PLUMBING FIXTURES)
SOIL LINE IN EARTH	CHECK VALVE
ROOF DRAIN LINE	STOP VALVE
OVERFLOW ROOF DRAIN LINE	BALANCING VALVE
VENT LINE	PLUG VALVE
REFRIGERANT LIQUID	2 WAY CONTROL VALVE OR SOLENOID VALVE
REFRIGERANT SUCTION	3 WAY CONTROL VALVE OR SOLENOID VALVE
HOT WATER SUPPLY	PRESSURE REDUCING VALVE
HOT WATER RETURN	PRESSURE AND TEMPERATURE RELIEF VALVE
CHILLED WATER SUPPLY	VARIABLE VOLUME BOX & TYPE
CHILLED WATER RETURN	MANUAL DAMPER
DRAIN LINE	BACKDRAFT DAMPER
NATURAL GAS LINE	AUTOMATIC DAMPER
ABOVE FINISHED FLOOR	FIRE DAMPER
ACCESS DOOR	GRILLE, REGISTER OR DIFFUSER, SIZE, TYPE & CFM
VENT THRU ROOF	VOLUME EXTRACTOR AND TURNING VANES
RETURN AIR	RETURN, EXHAUST OR FRESH AIR DUCT SECTION UP & DOWN
OUTSIDE AIR	SUPPLY AIR DUCT SECTION UP AND DOWN
SUPPLY AIR	FLEXIBLE DUCT CONNECTION
EXHAUST AIR	ROUND OR RECTANGULAR DUCT
SOFT COLD WATER SUPPLY - DOMESTIC	FLEXIBLE DUCT
COLD WATER SUPPLY - DOMESTIC	VARIABLE VOLUME DIFFUSER & TYPE
HOT WATER SUPPLY - DOMESTIC	PRESSURE GAUGE
HOT WATER RETURN - DOMESTIC	THERMOMETER
TEMPERED HOT WATER LINE	THERMOSTAT, PNEUMATIC
HOT WATER - DOMESTIC (140° OR 180°)	MANUAL AIR VENT
REDUCER	STRAINER
FIRE LINE/STANDPIPE	UNION
COMPRESSED AIR PIPING	FLEXIBLE PIPE CUNNELLIUM
FIRE HYDRANT	RISE & DROP IN PIPE WITH CUT-OFF VALVE
CLEAN OUT	ROOF DRAIN AND TYPE
HOSE BIBB AND MOUNTING HEIGHT	FLOOR DRAIN AND TYPE
WALL HYDRANT	FFCO
FREEZE STAT	FLUSH FLOOR CLEAN OUT
ELECTRIC - PNEUMATIC SWITCH	FLUSH GRADE CLEAN OUT
PNEUMATIC - ELECTRIC SWITCH	ORIFICE PLATE & SIZE

ELECTRICAL SYMBOLS	
CONDUIT CONCEALED IN CEILING OR WALL	TELEPHONE OUTLET
CONDUIT CONCEALED IN FLOOR SLAB	CRT OUTLET
EXPOSED CONDUIT	WEATHERHEAD
HOMERUN - ARROW INDICATES CKT., LINES INDICATE WIRES	MOTOR
GROUND WIRE	BELL
GROUNDING ROD	SWITCH - SINGLE POLE
FLUORESCENT LIGHT FIXTURE	SWITCH - 3 WAY
EMERGENCY LIGHT FIXTURE WITH BATTERY PACK	SWITCH - 4 WAY
INCANDESCENT OR H.I.D. LIGHT FIXTURE	KEY OPERATED SWITCH
INCANDESCENT OR H.I.D. LIGHT FIXTURE (WALL MOUNTED)	SWITCH AND PILOT LAMP
EXIT LIGHT (CEILING OR WALL MOUNTED)	DIMMER SWITCH
JUNCTION BOX	WEATHERPROOF SWITCH
THERMOSTAT ELECTRIC	DISCONNECT SWITCH (D.S.)
NIGHT THERMOSTAT ELECTRIC	MAGNETIC MOTOR STARTER (MMS)
SINGLE RECEPTACLE	COMBINATION STARTER (CMS)
DUPLEX RECEPTACLE (20 AMP UNLESS NOTED)	BUSMAN TYPE SSU FUSED DISCONNECT TOGGLE SWITCH
WEATHERPROOF RECEPTACLE	SURFACE PANELBOARD (LIGHT & RECEPTACLES)
CORD DROP (SEE SPECS.)	DISTRIBUTION PANEL OR SWITCHBOARD
GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	#16 TW WIRE
ELECTRIC DRINKING FOUNTAIN RECEPTACLE	#14 TW WIRE
FLOOR OUTLET (20 AMP UNLESS NOTED)	#12 TW WIRE
FLOOR TELEPHONE OUTLET	WEST PENN #975 (FIRE ALARM)
FLOOR COMPUTER OUTLET	CEILING SMOKE DETECTOR
CEILING MOUNT REEL (SEE SPECS.)	DUCT SMOKE DETECTOR
TELEVISION OUTLET	THERMAL DETECTOR
CLOCK	FIRE ALARM MANUAL STATION
COMBINATION CLOCK SPEAKER	AHU FAN CONTROL RELAY
CEILING SPEAKER	REMOTE ANNUNCIATOR
HORN TYPE SPEAKER	RANGE HOOD MONITOR
CALL-IN STATION	VISUAL FIRE ALARM INDICATOR LIGHT
3-CONDUCTOR 22 GA. SHIELDED (INTERCOM)	FIRE ALARM HORN - MOUNT @ 80° AH MIN.
	DOOR HOLDER

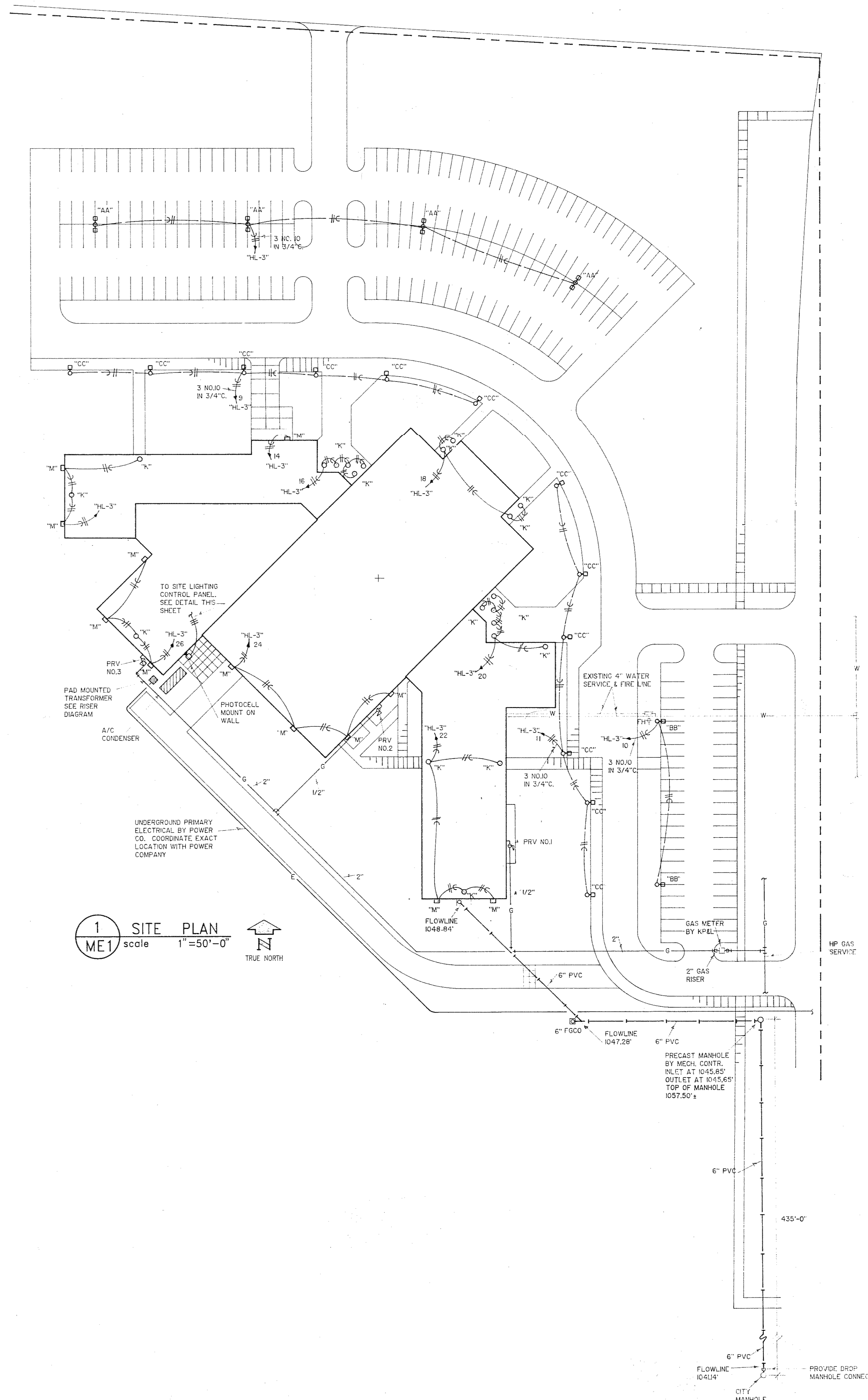


SITE LIGHTING CONTROL PANEL



TYPE "AA" LUMINAIRE DETAIL

TYPE "BB" LUMINAIRE DETAIL



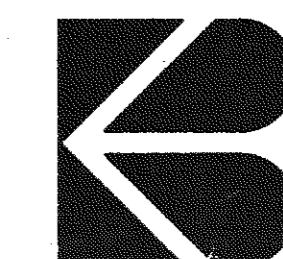
1 SITE PLAN scale 1"=50'-0"

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WAMEGO U.S.D. 320

SITE PLAN AND SYMBOL LEGEND

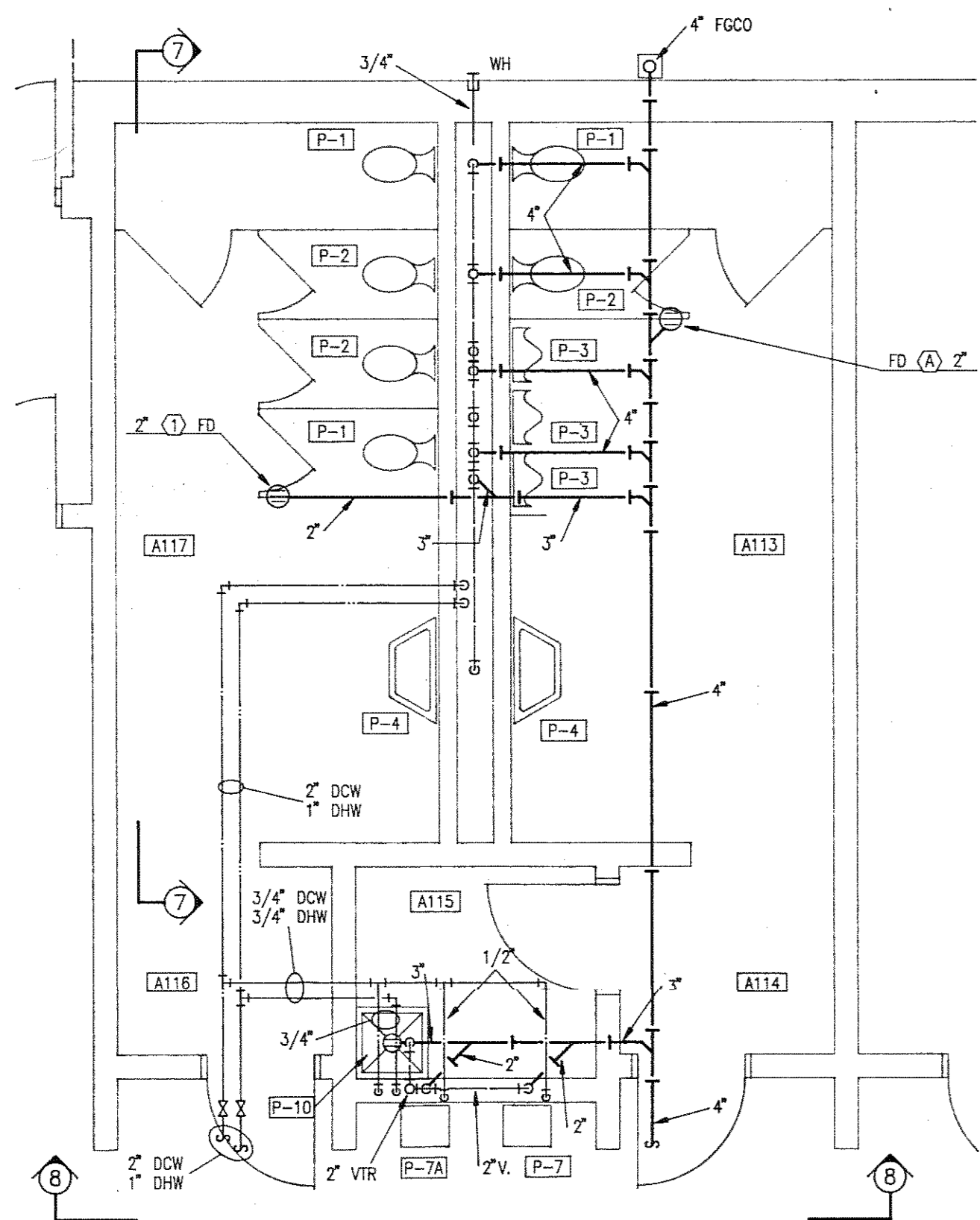
KIENE & BRADLEY DESIGN GROUP · AIA  
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TOPEKA



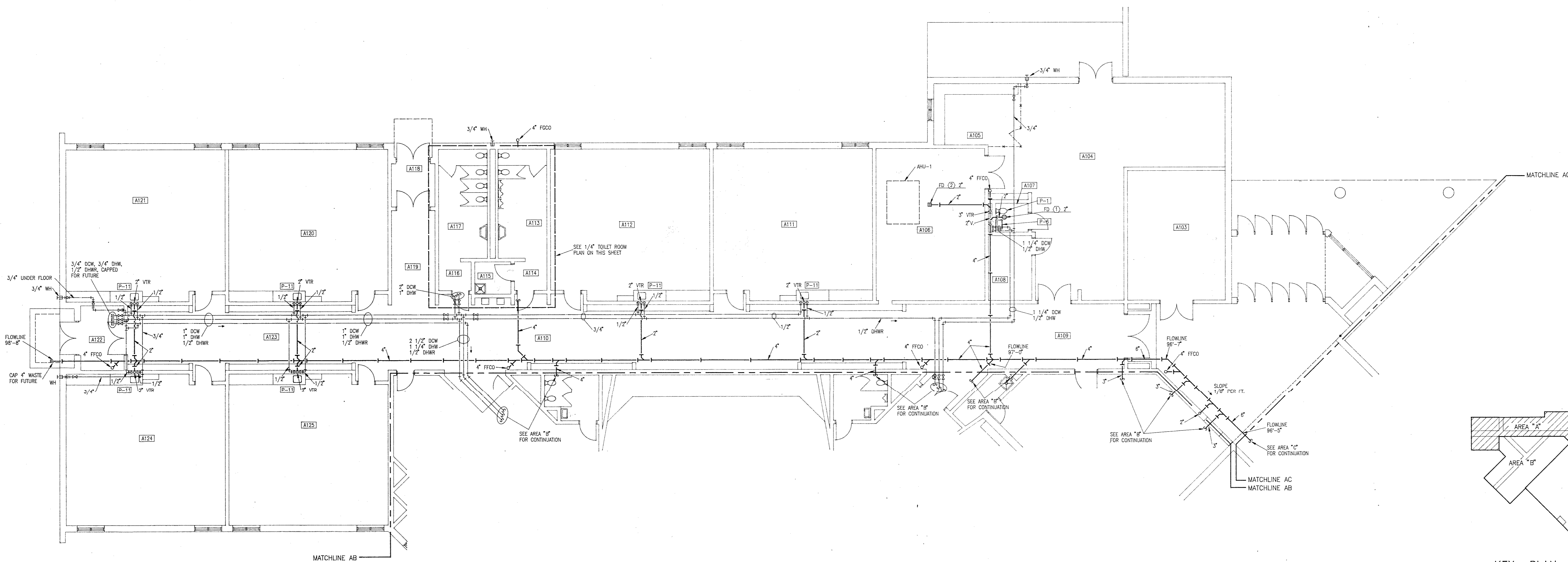
JOB NO. 89-36  
DATE 4-8-91  
REVISION

SHEET NO.

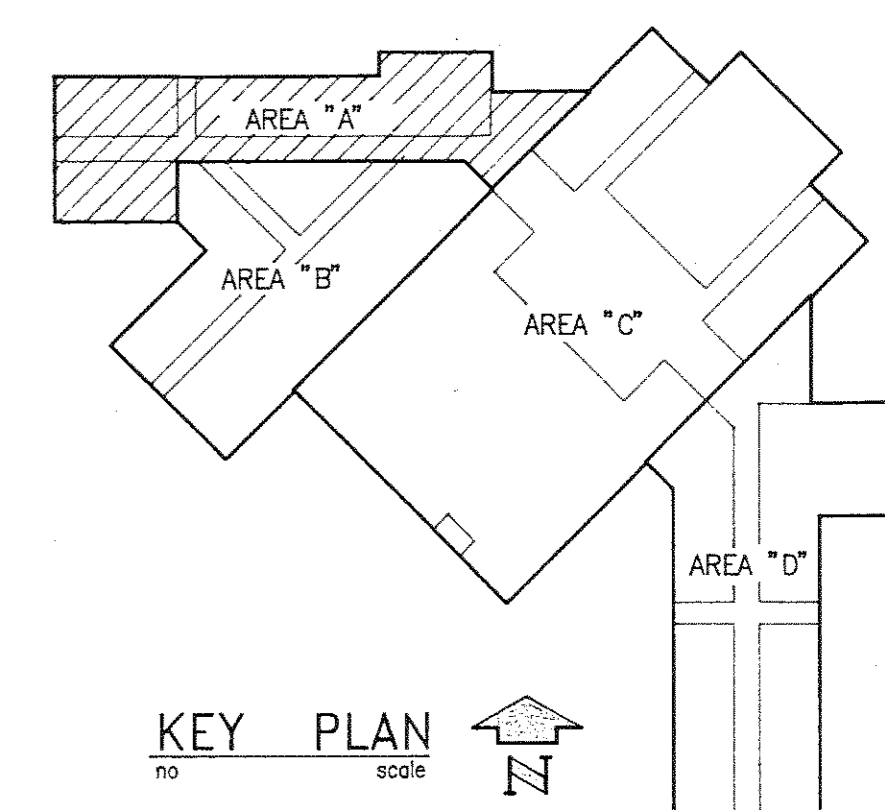
ME1



1/4" TOILET ROOM PLAN



1 FLOOR PLAN - AREA "A"  
 scale (PLUMBING) 1/8" = 1'-0"  
 TRUE NORTH

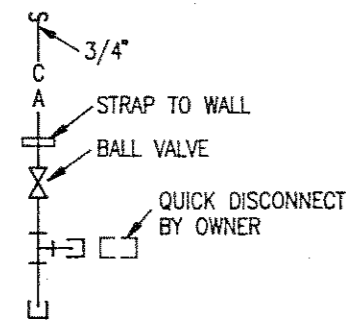


KEY PLAN  
 no. scale

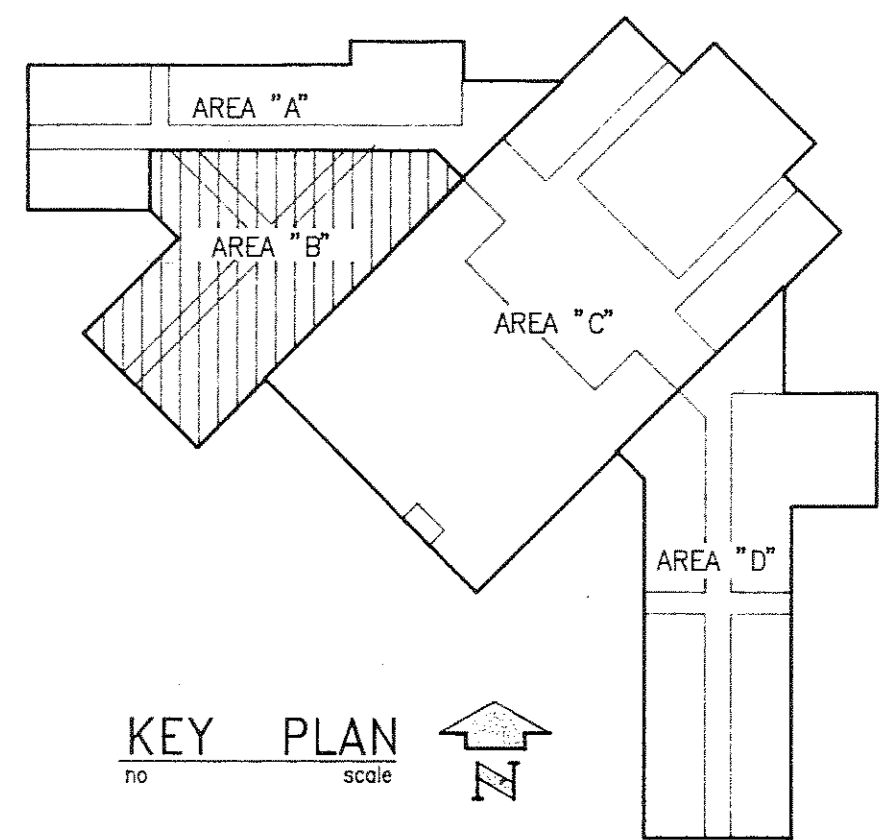
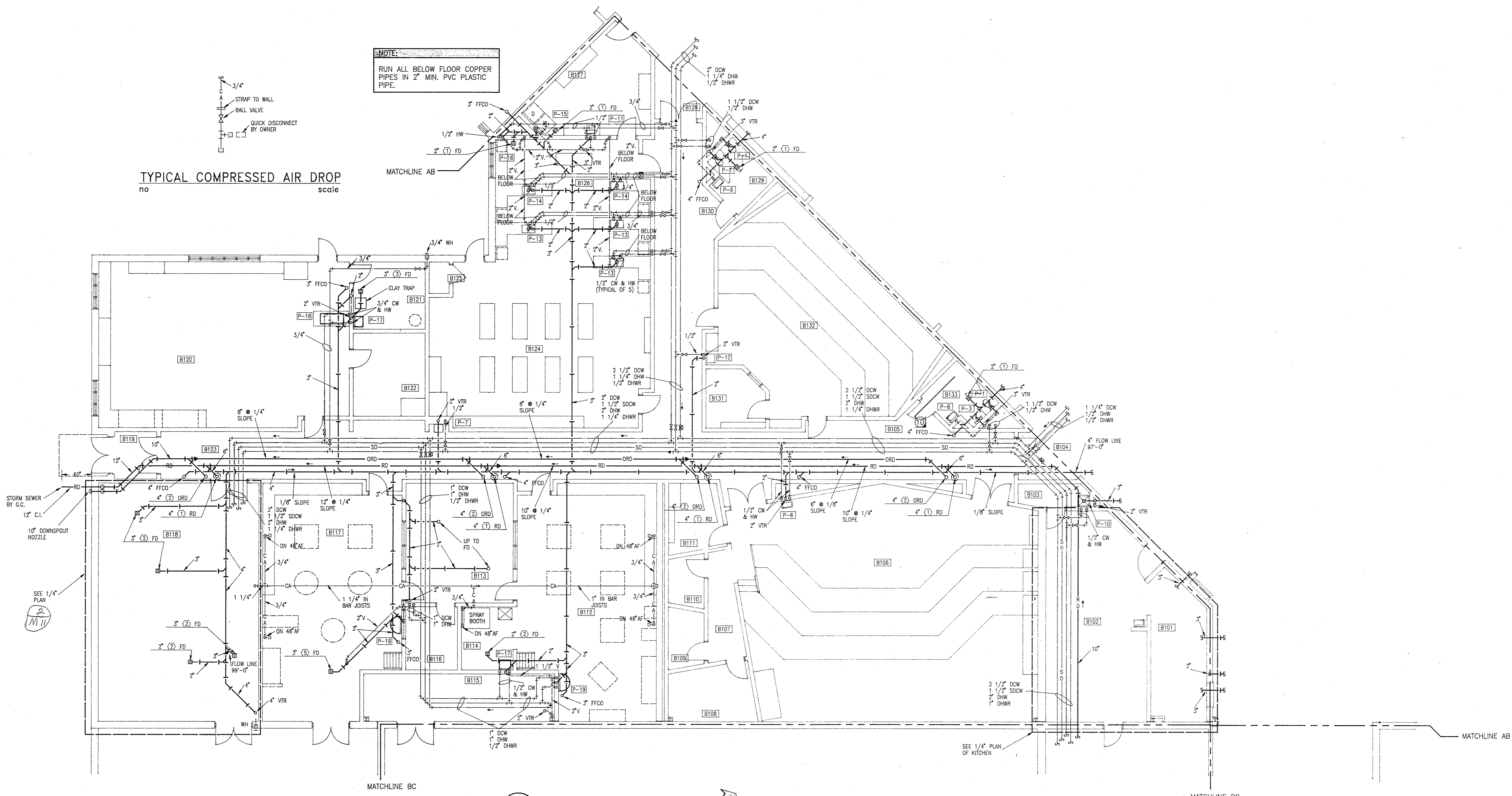
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<p>MIDDLE SCHOOL          WAMEGO U.S.D. 320</p>	<p>PLUMBING FLOOR PLAN - AREA "A"</p>	<p>KIENE &amp; BRADLEY DESIGN GROUP · AIA          CHARTERED          ARCHITECTS          TOPEKA</p> <p>INTERIOR ARCHITECTURE          KANSAS</p>	<p>JOB NO. 89-36          DATE 4-8-91          REVISION</p> <p>SHEET NO.          M2</p>
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TYPICAL COMPRESSED AIR DROP  
no scale



NOTE:  
RUN ALL BELOW FLOOR COPPER  
PIPES IN 2" MIN. PVC PLASTIC  
PIPE.



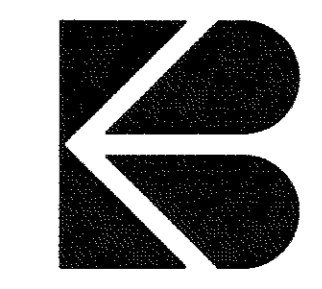
1 FLOOR PLAN - AREA "B"  
M3 scale (PLUMBING) 1/8" = 1'-0" TRUE NORTH

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MIDDLE SCHOOL  
WAMEGO U.S.D. 320

PLUMBING FLOOR PLAN - AREA "B"

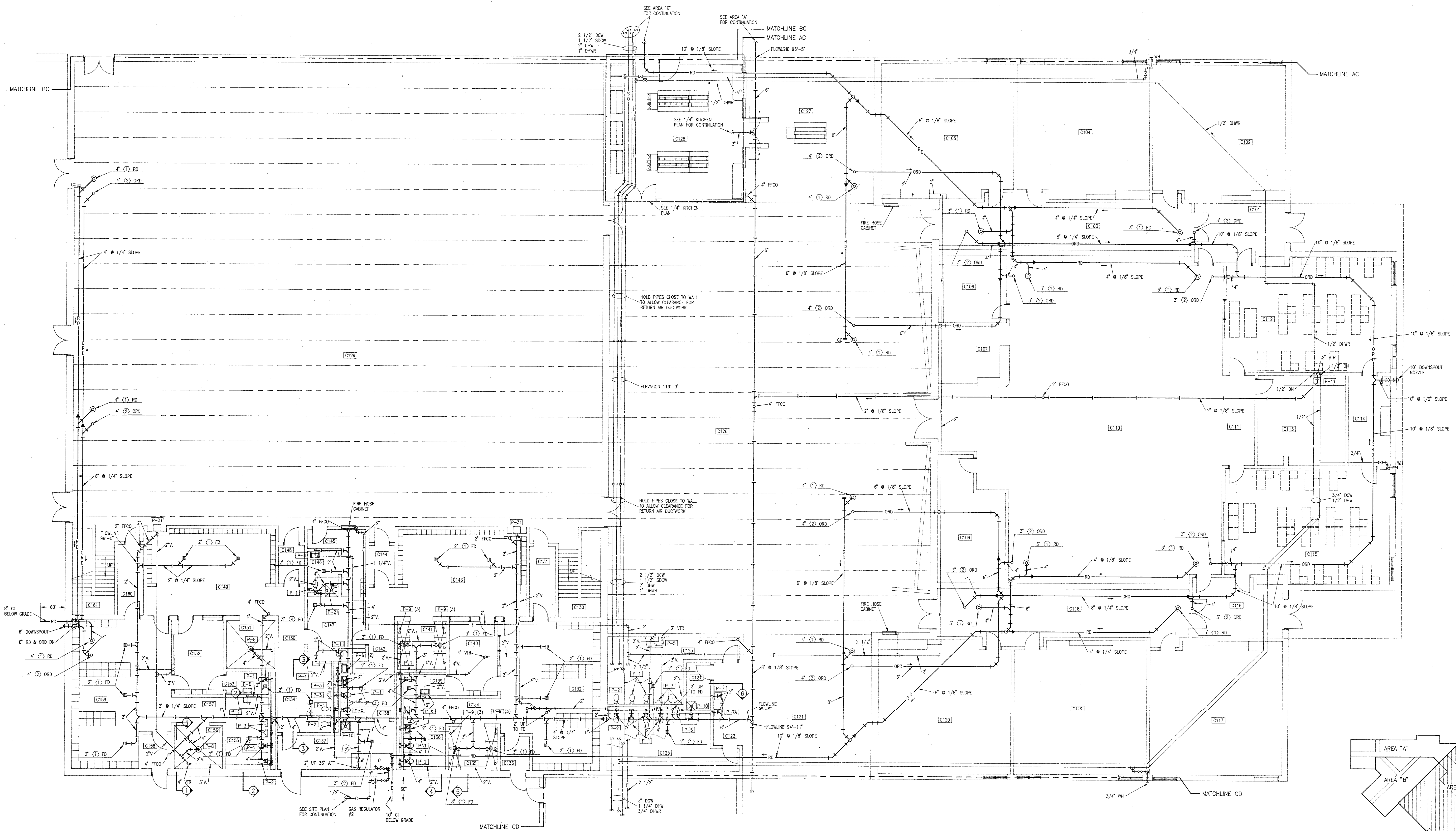
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JOB NO. 89-36  
DATE 4-8-91  
REVISION

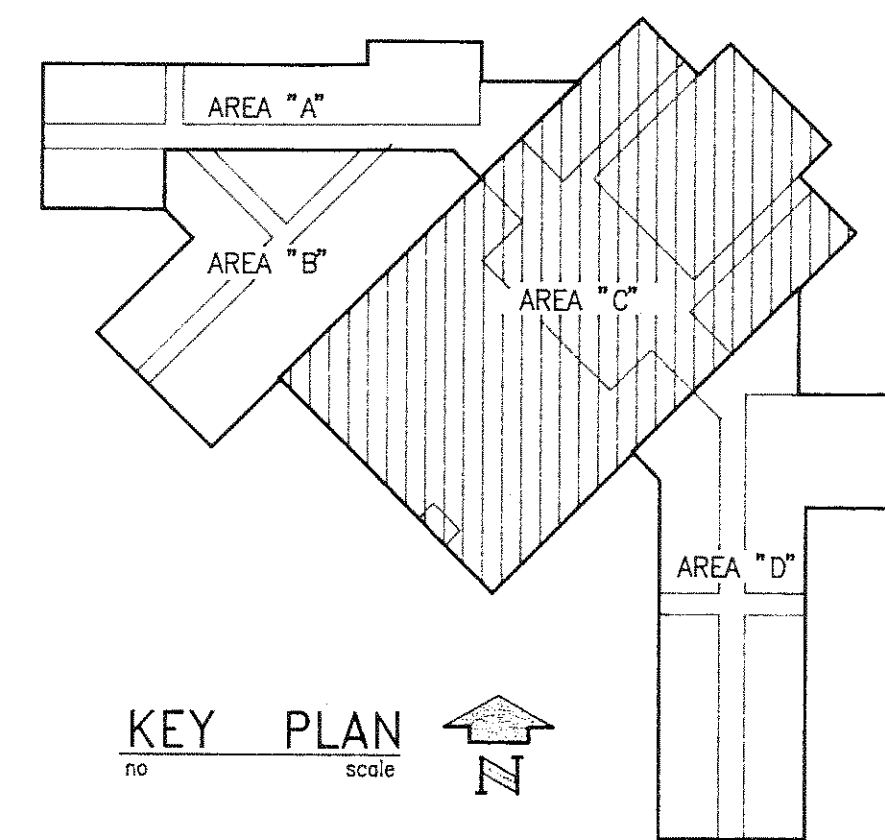
SHEET NO.  
M3





NOTE:  
SEE SHEET M6 FOR WATER  
PIPING IN LOCKER AREA.

1 FLOOR PLAN - AREA "C"  
M4 scale 1/8" = 1'-0"  
TRUE NORTH



MIDDLE SCHOOL  
WAMEGO U.S.D. 320

PLUMBING FLOOR PLAN - AREA "C"

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TOPEKA  
INTERIOR ARCHITECTURE  
KANSAS

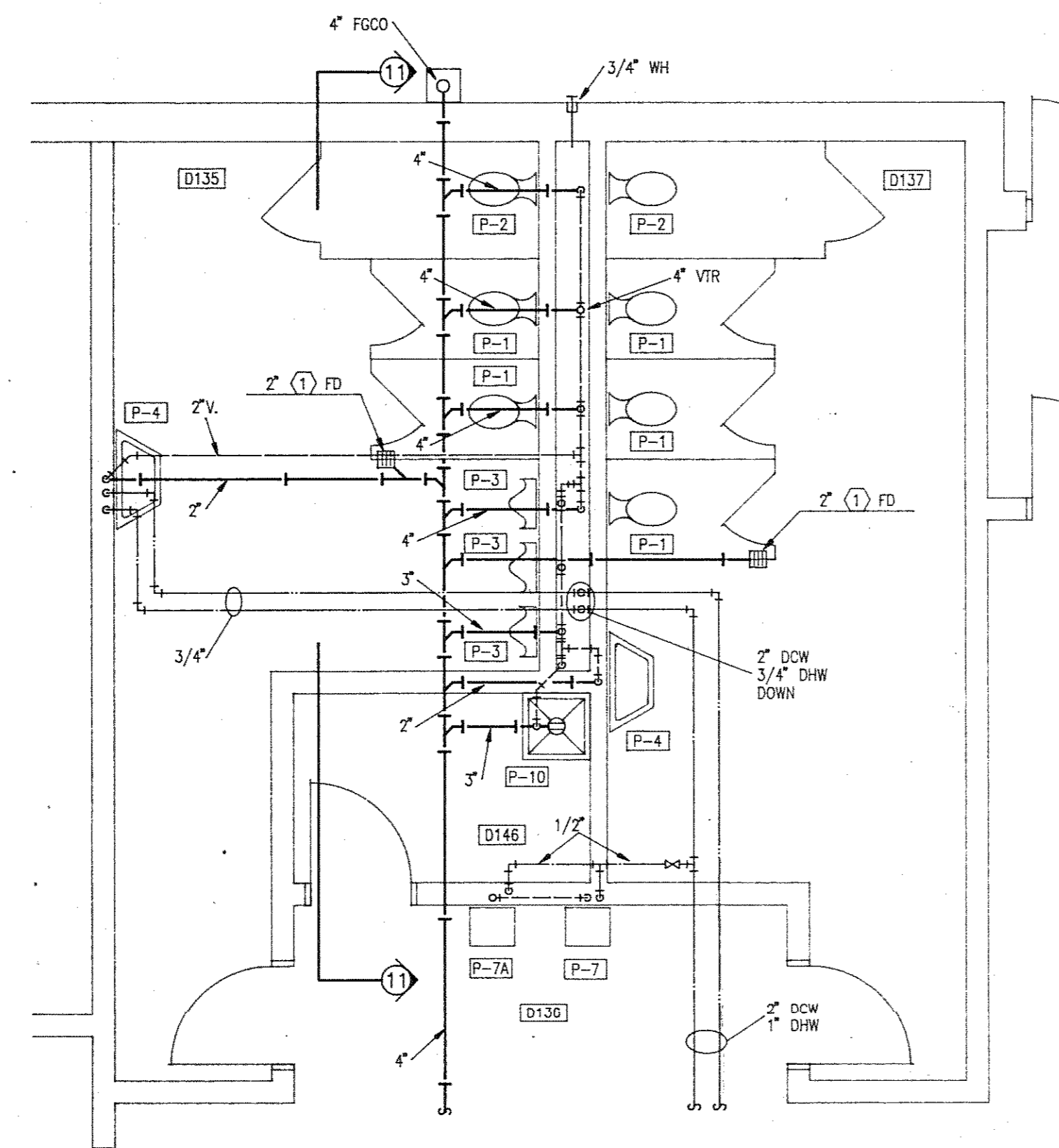


JOB NO. 89-36  
DATE 4-8-91  
REVISION

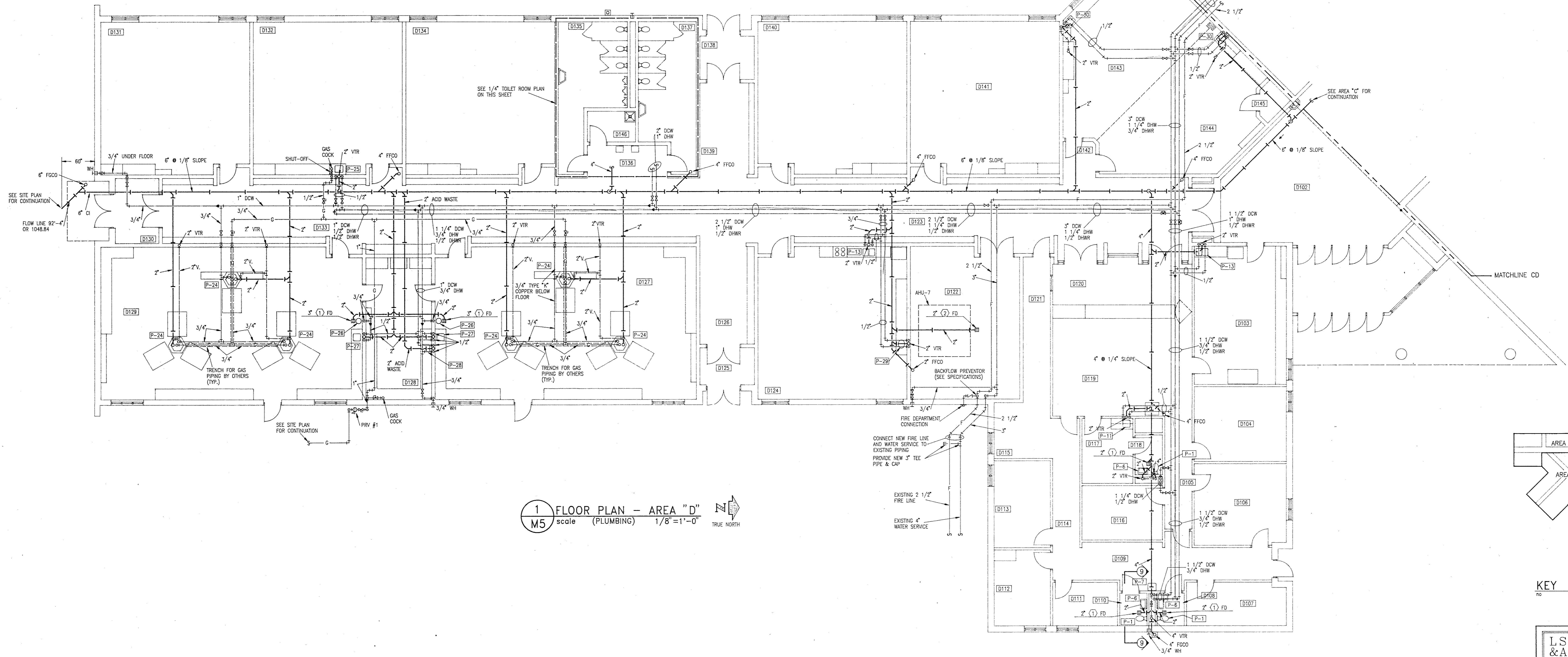
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M4

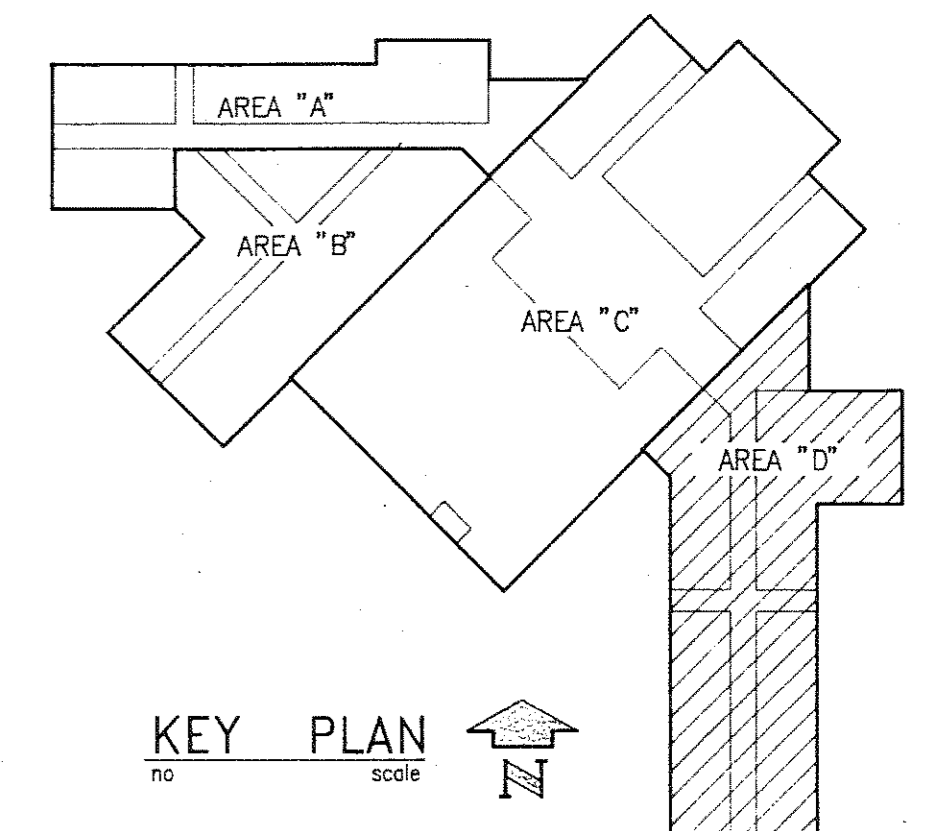
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2 1/4" TOILET ROOM PLAN (PLUMBING)  
M5 TRUE NORTH



1 FLOOR PLAN - AREA "D" scale (PLUMBING) 1/8" = 1'-0" TRUE NORTH

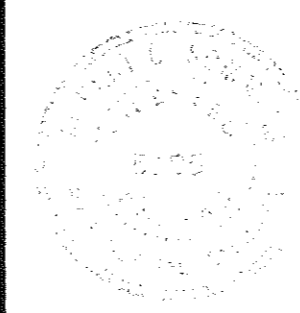


KEY PLAN

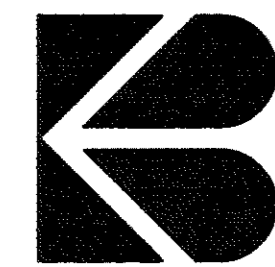
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MIDDLE SCHOOL  
WAMEGO U.S.D. 320

PLUMBING FLOOR PLAN - AREA "D"

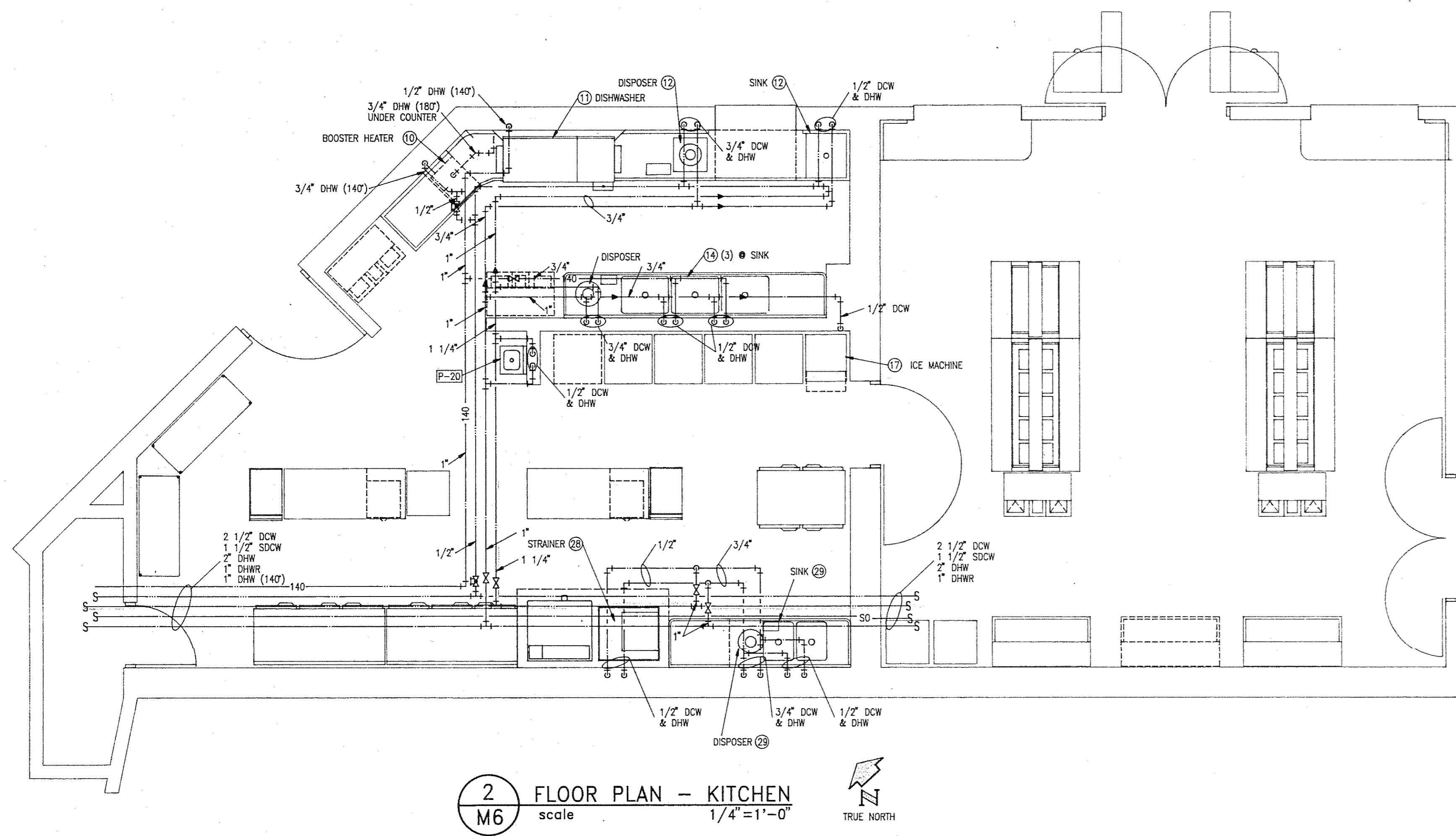


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ARCHITECTS TOPEKA  
INTERIOR ARCHITECTURE KANSAS

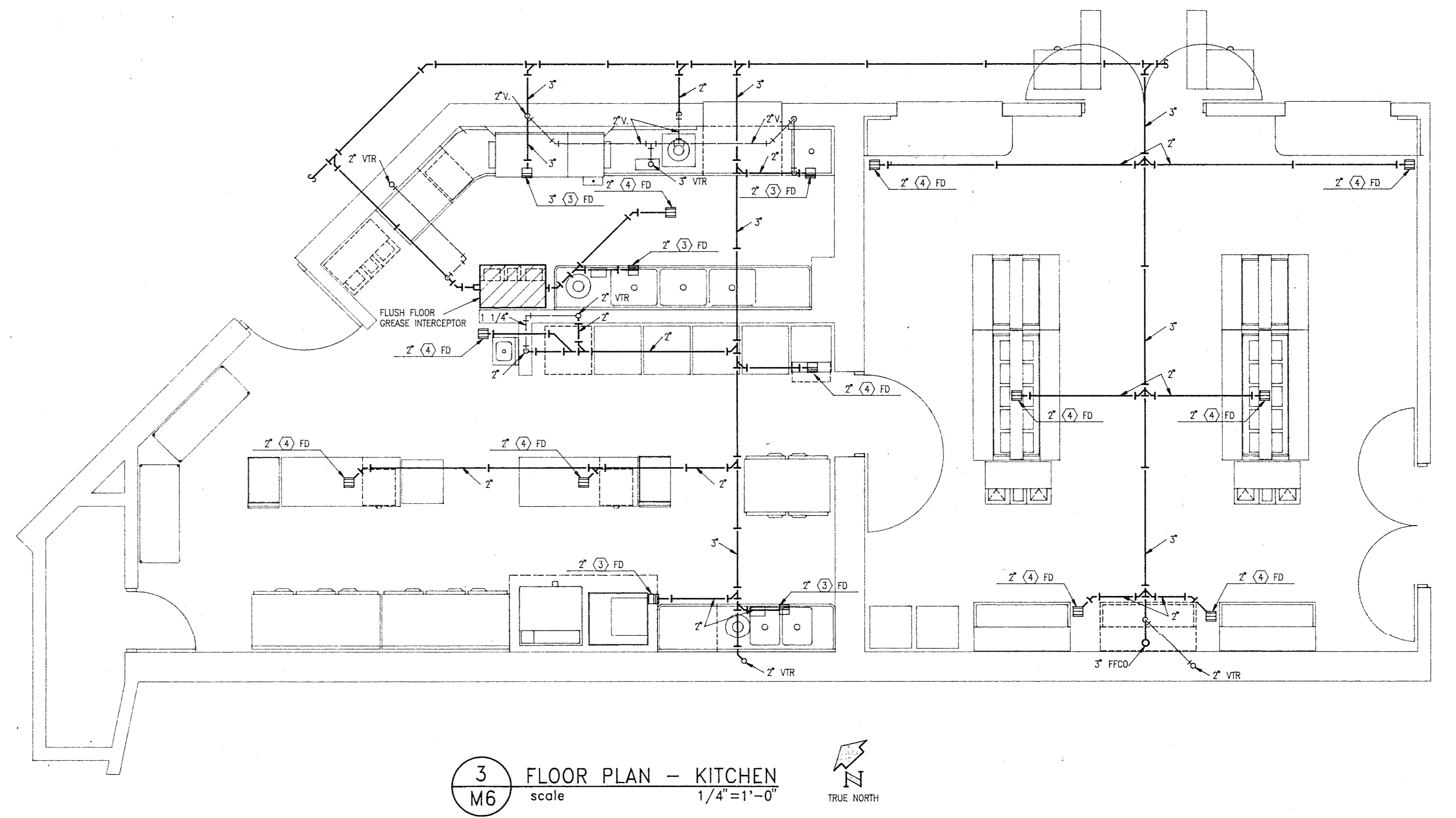


JOB NO. 89-36  
DATE 4-8-91  
REVISION

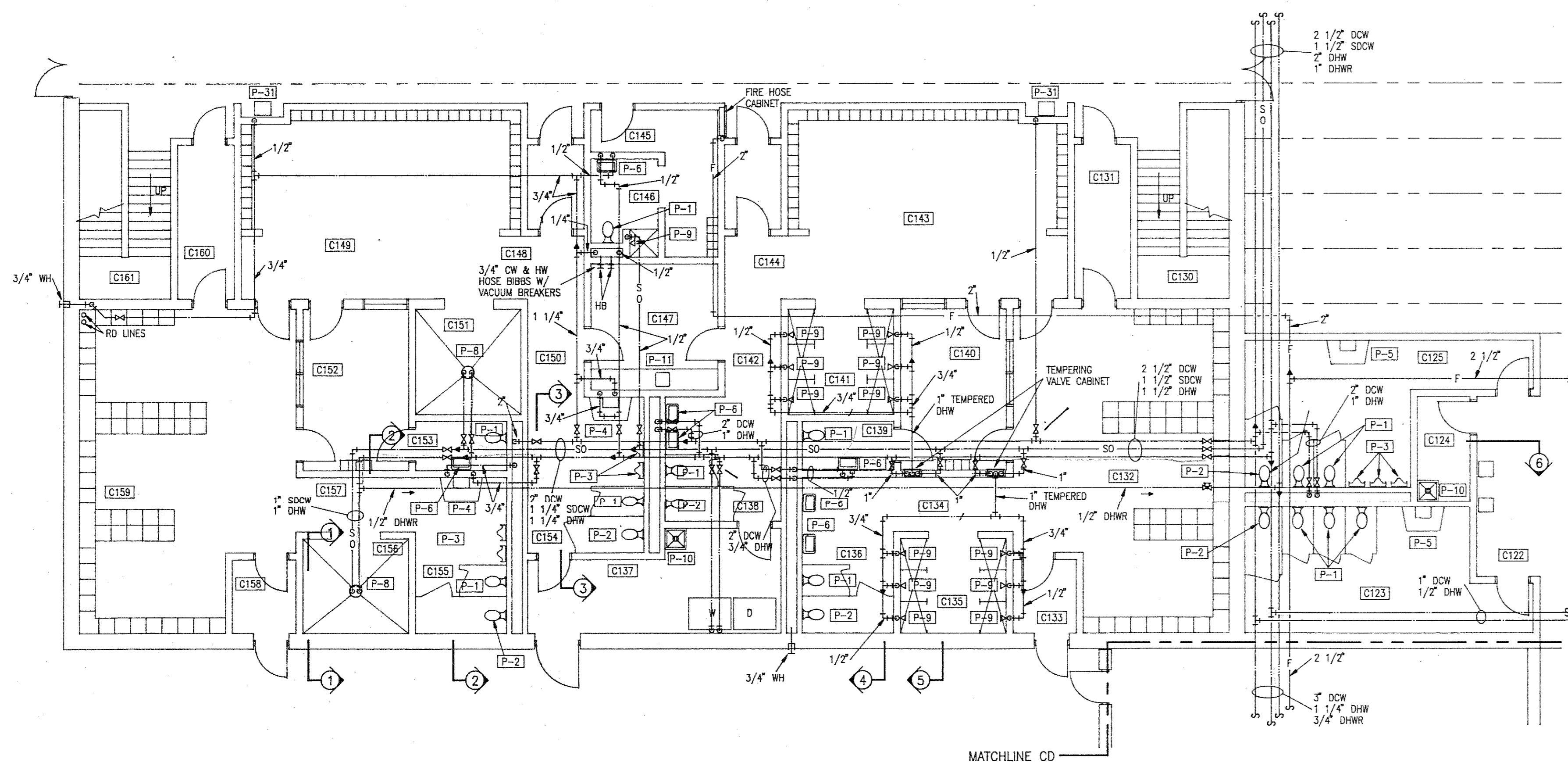
SHEET NO.  
M5



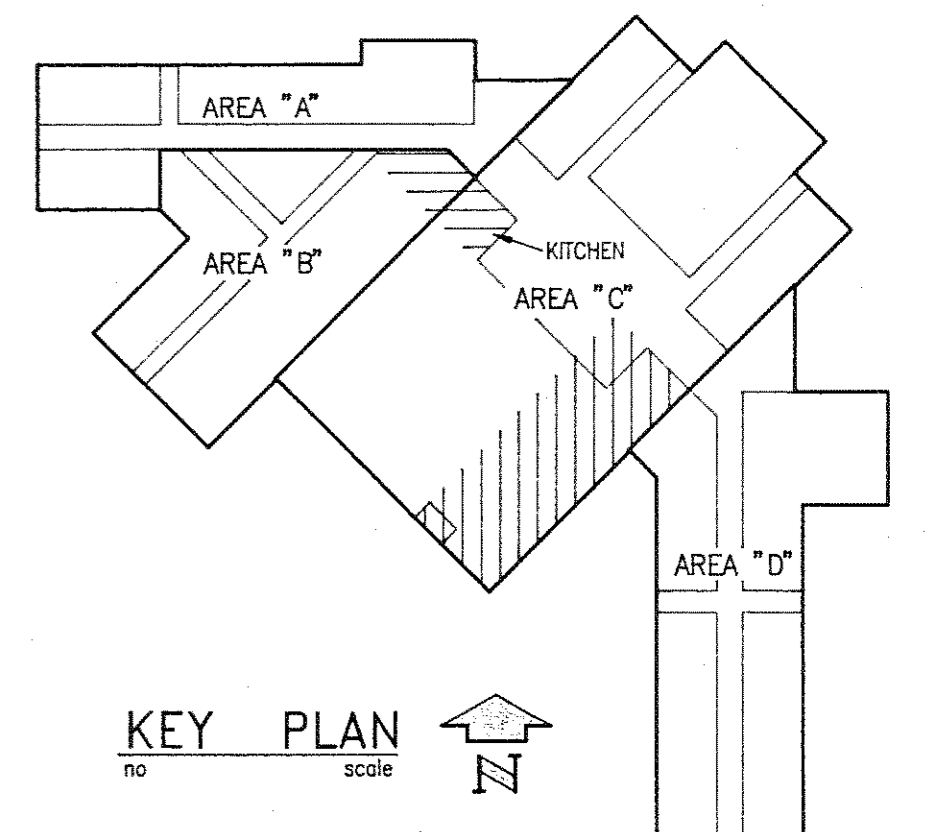
2 FLOOR PLAN - KITCHEN  
M6 scale 1/4"=1'-0"



3 FLOOR PLAN - KITCHEN  
M6 scale 1/4"=1'-0"



1 PARTIAL FLOOR PLAN - AREA "C"  
M6 scale (DOMESTIC WATER) 1/8"=1'-0"

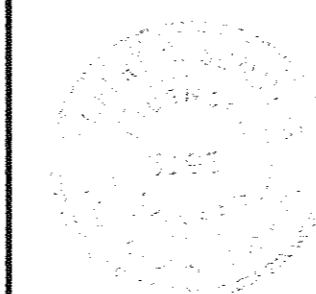


KEY PLAN

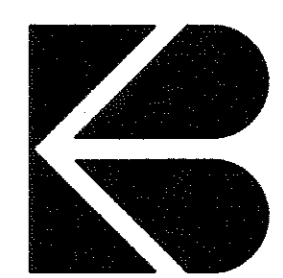
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MIDDLE SCHOOL  
WAMEGO U.S.D. 320

PLUMBING FLOOR PLAN - AREA "C"  
PARTIAL LOCKER ROOM & DETAILS

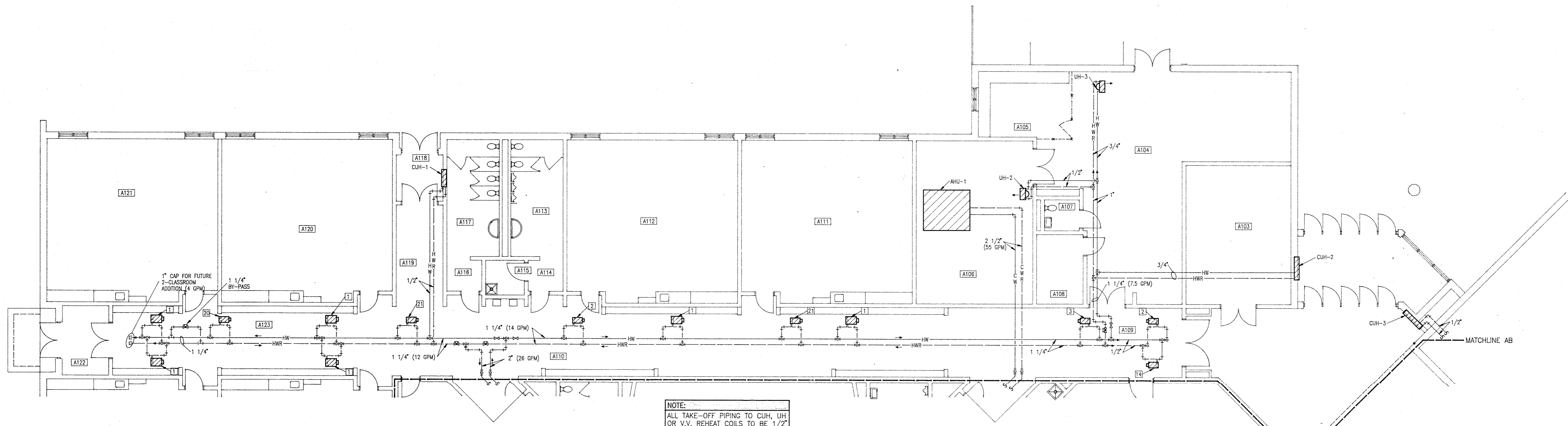


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INTERIOR ARCHITECTURE  
KANSAS



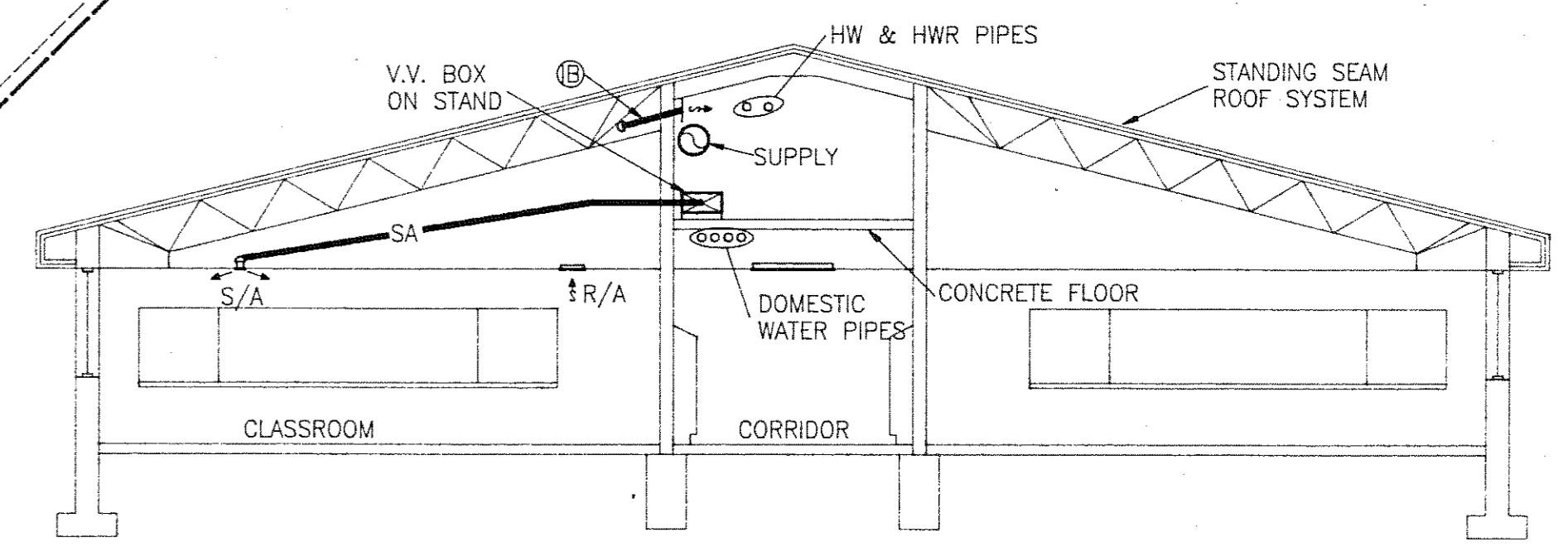
JOB NO. 69-36  
DATE 4-8-91  
REVISION

SHEET NO.  
M6

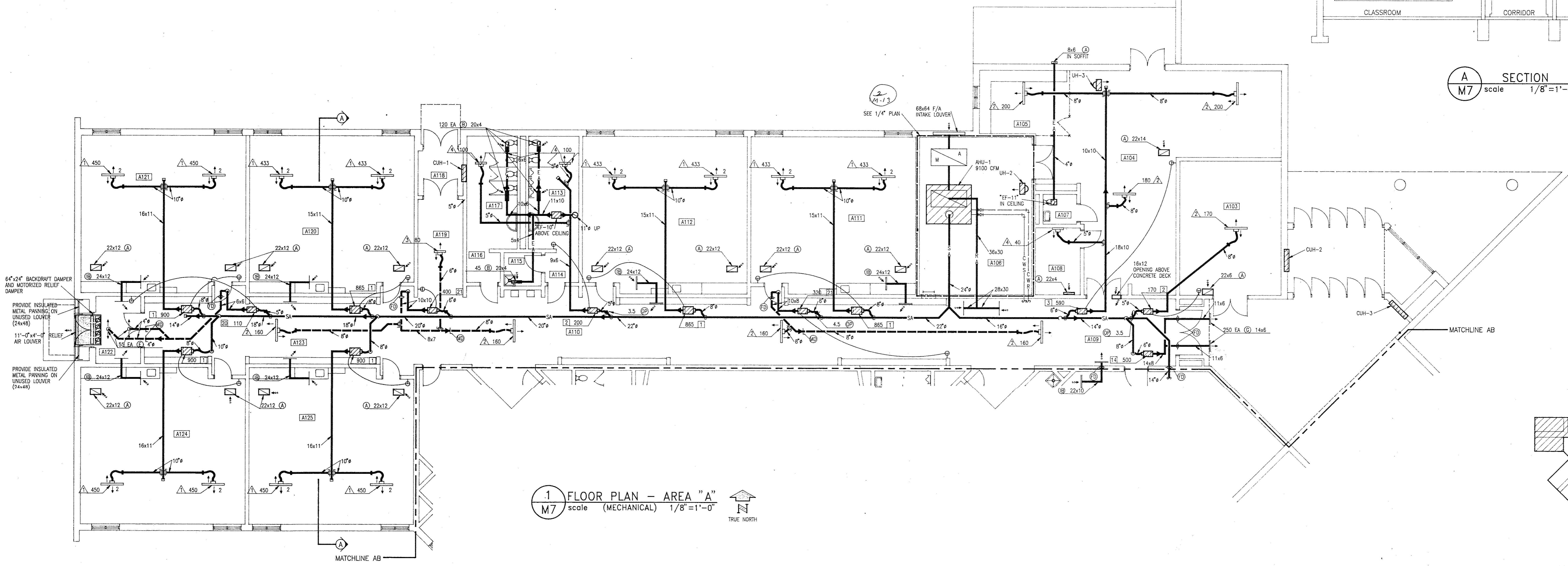


NOTE:  
ALL TAKE-OFF PIPING TO CUH, UH  
OR V.V. REHEAT COILS TO BE 1/2"  
UNLESS NOTED OTHERWISE.

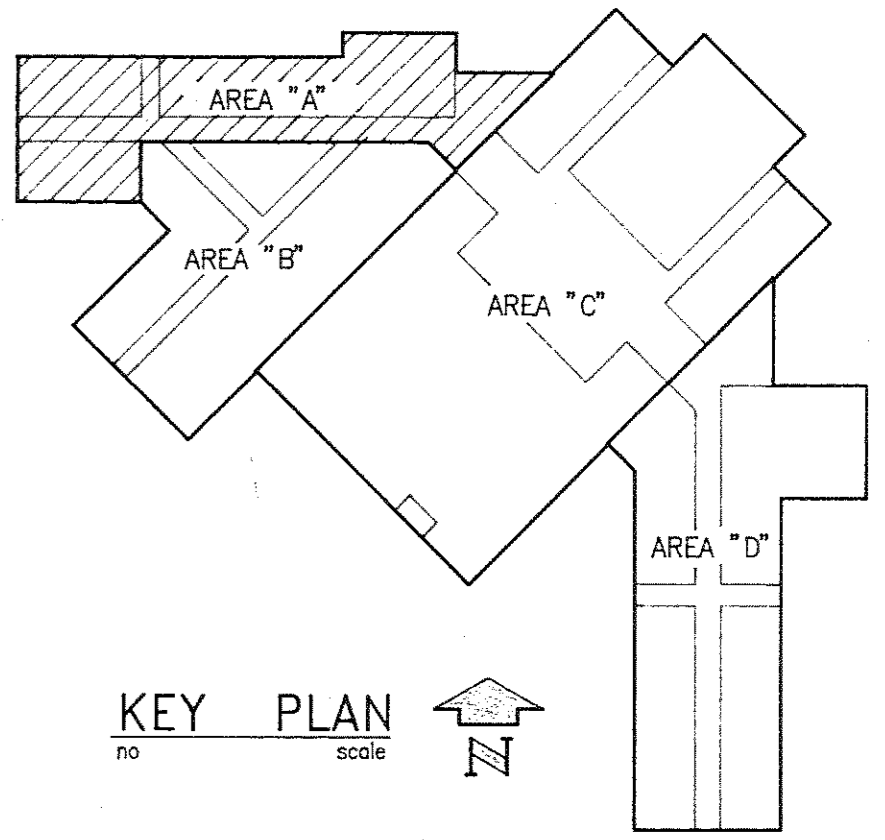
2 PARTIAL FLOOR PLAN - AREA "A"  
M7 scale (MECHANICAL) 1/8" = 1'-0"  
TRUE NORTH



A SECTION  
M7 scale 1/8" = 1'-0"



1 FLOOR PLAN - AREA "A"  
M7 scale (MECHANICAL) 1/8" = 1'-0"  
TRUE NORTH



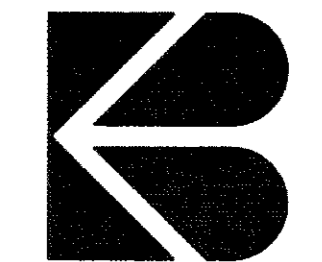
KEY PLAN  
SCALE

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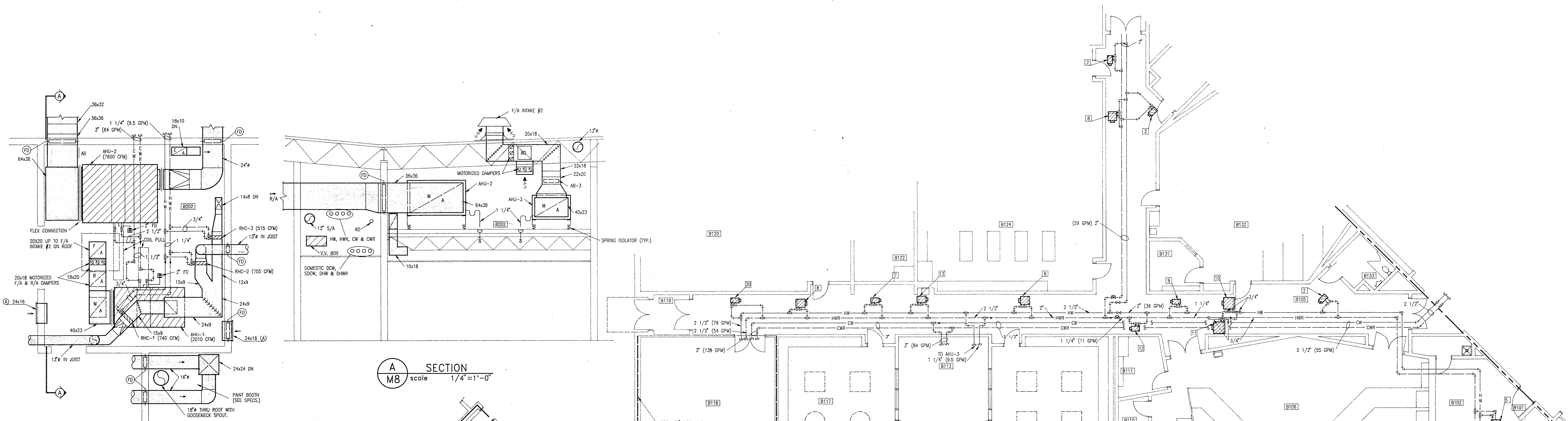
FLOOR PLAN - AREA "A" - MECHANICAL

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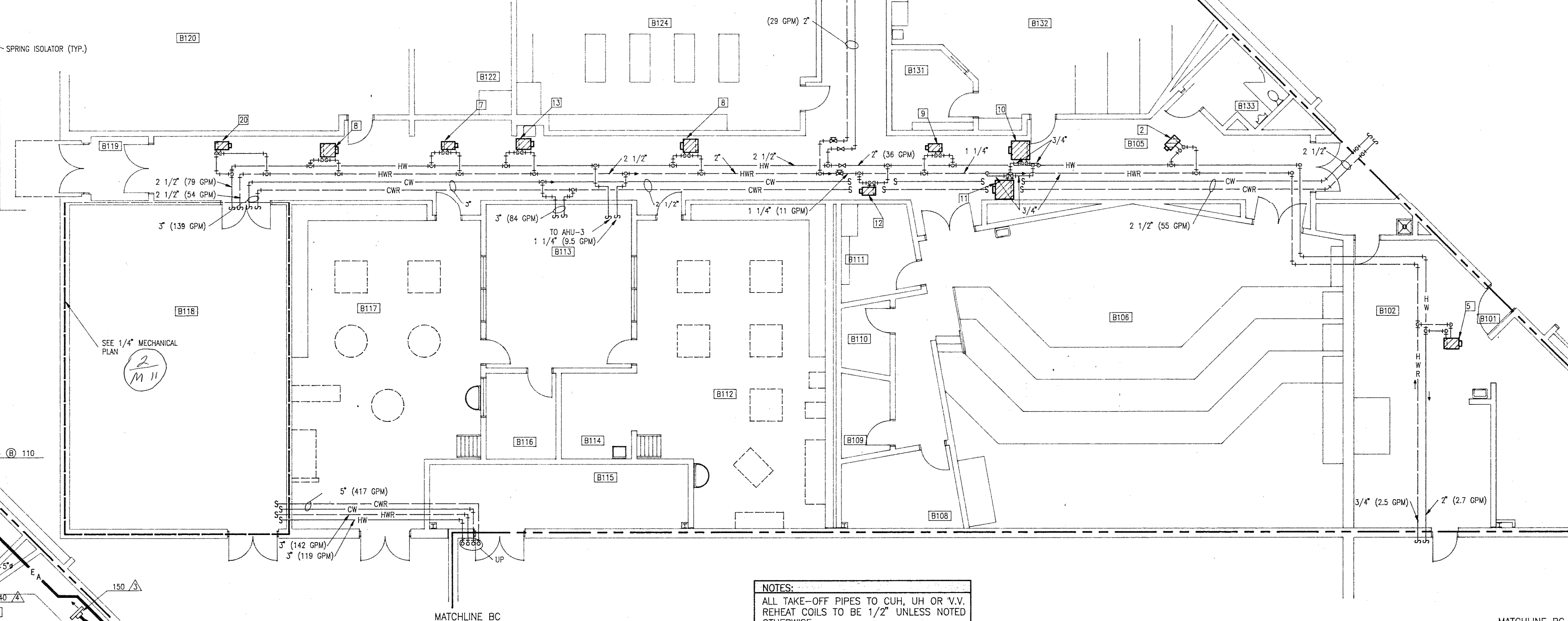


JOB NO. 89-36  
DATE 4-8-91  
REVISION

SHEET NO.  
M7

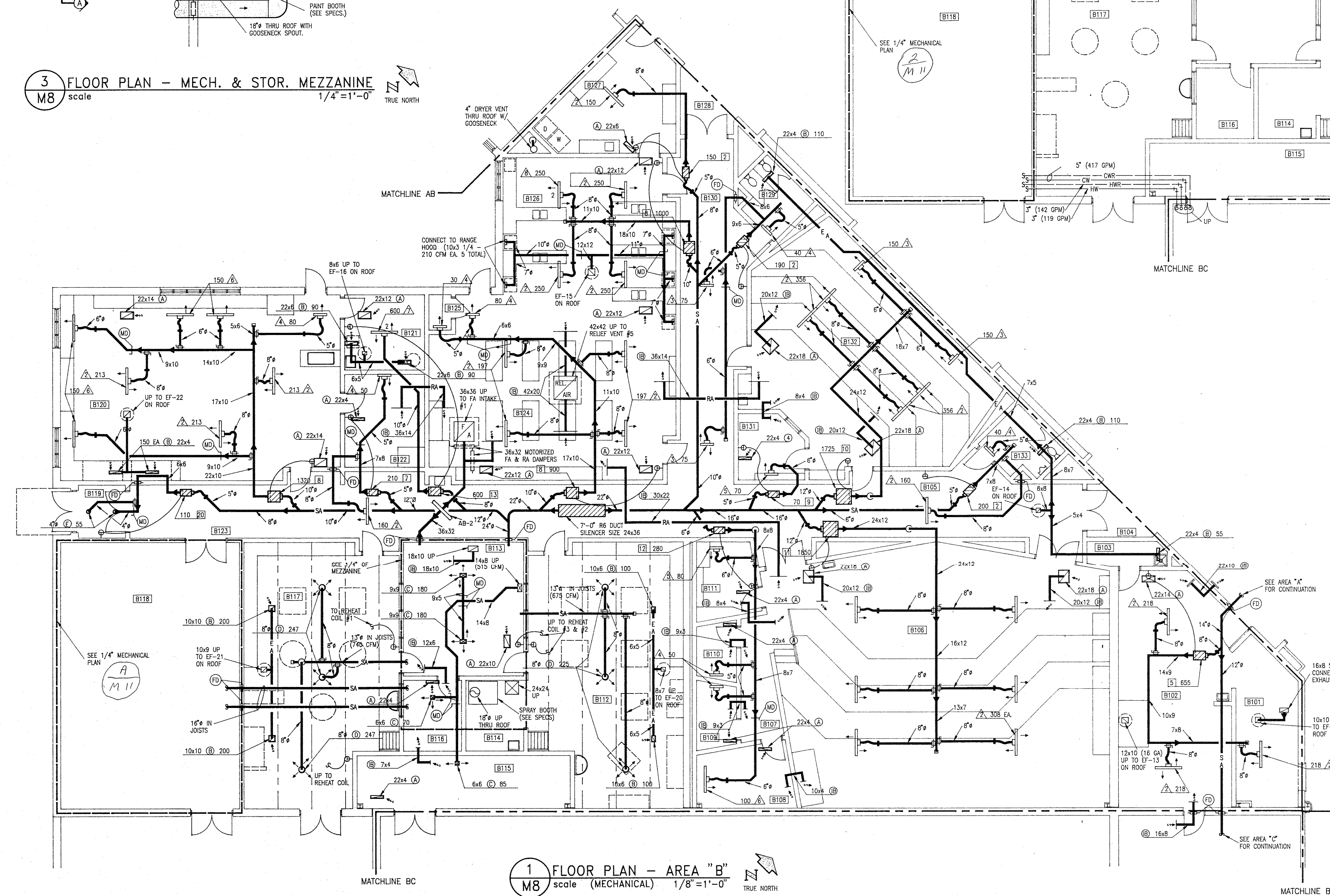


**3 FLOOR PLAN - MECH. & STOR. MEZZANINE**  
 M8 scale 1/4"=1'-0" TRUE NORTH



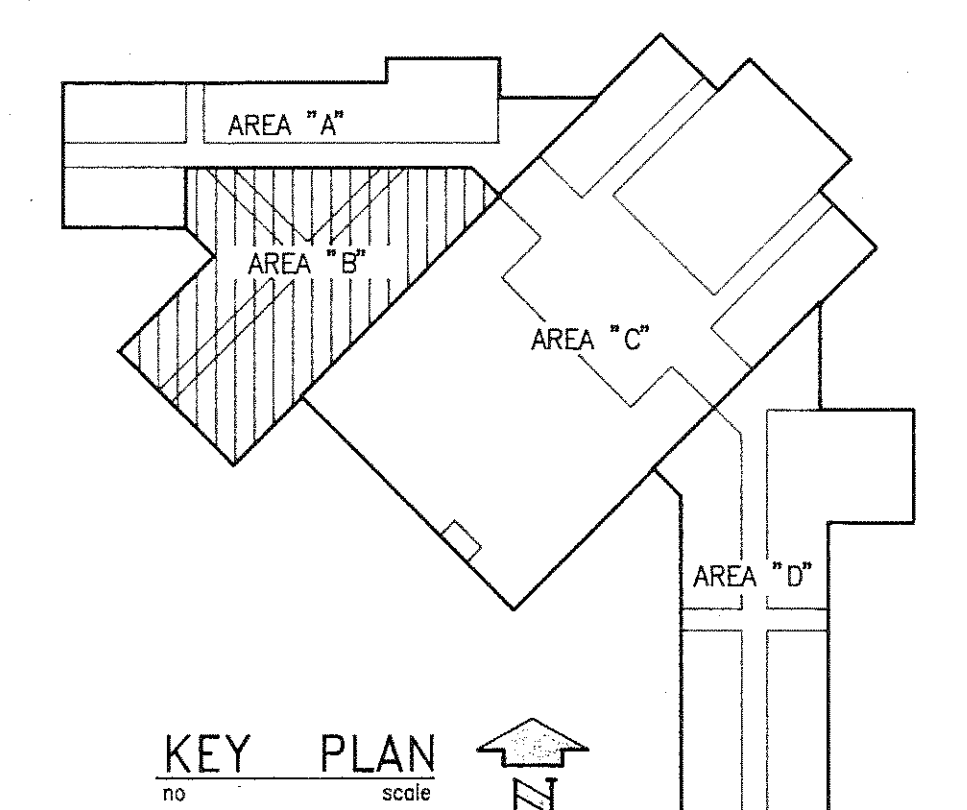
**NOTES:**  
 ALL TAKE-OFF PIPES TO CUH, UH OR V.V.  
 REHEAT COILS TO BE 1/2" UNLESS NOTED  
 OTHERWISE.

**2 FLOOR PLAN - AREA "B"**  
 M8 scale (MECHANICAL) 1/8"=1'-0" TRUE NORTH



**1 FLOOR PLAN - AREA "B"**  
 M8 scale (MECHANICAL) 1/8"=1'-0" TRUE NORTH

**NOTES:**  
 1. ALL SUPPLY AIR REGISTERS EVEN WITH BOTTOM  
 OF JOISTS.  
 2. ALL EXHAUST REGISTERS CLOSE TO ROOF.



**KEY PLAN**  
 scale

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**MIDDLE SCHOOL  
 WAMEGO U.S.D. 320**

**FLOOR PLAN - AREA "B" - MECHANICAL**

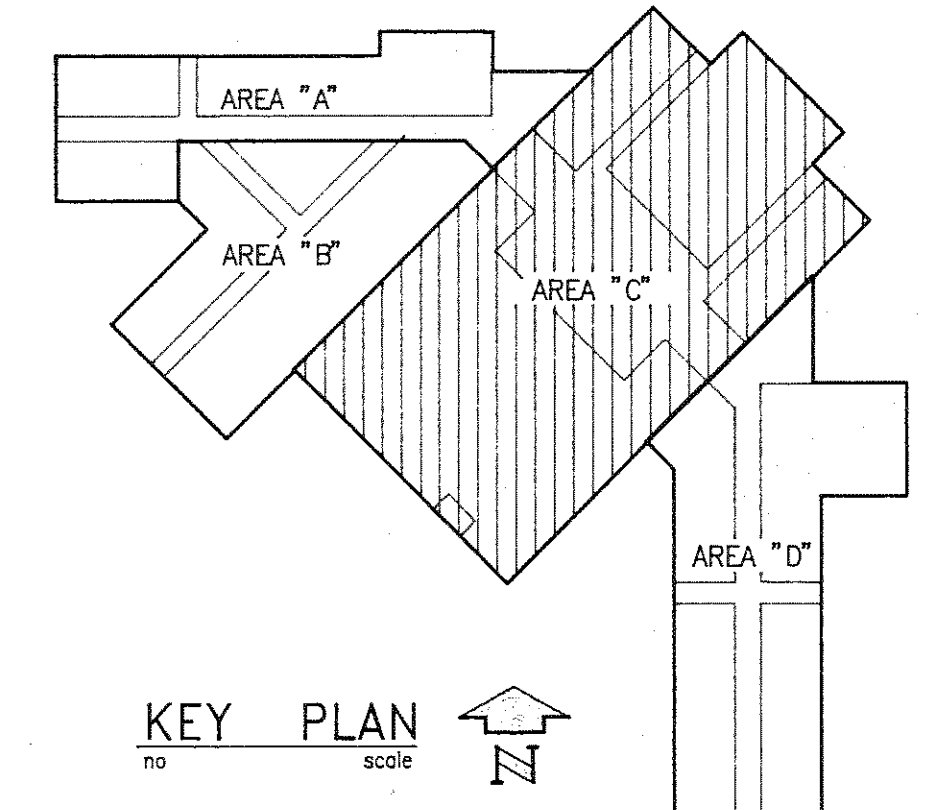
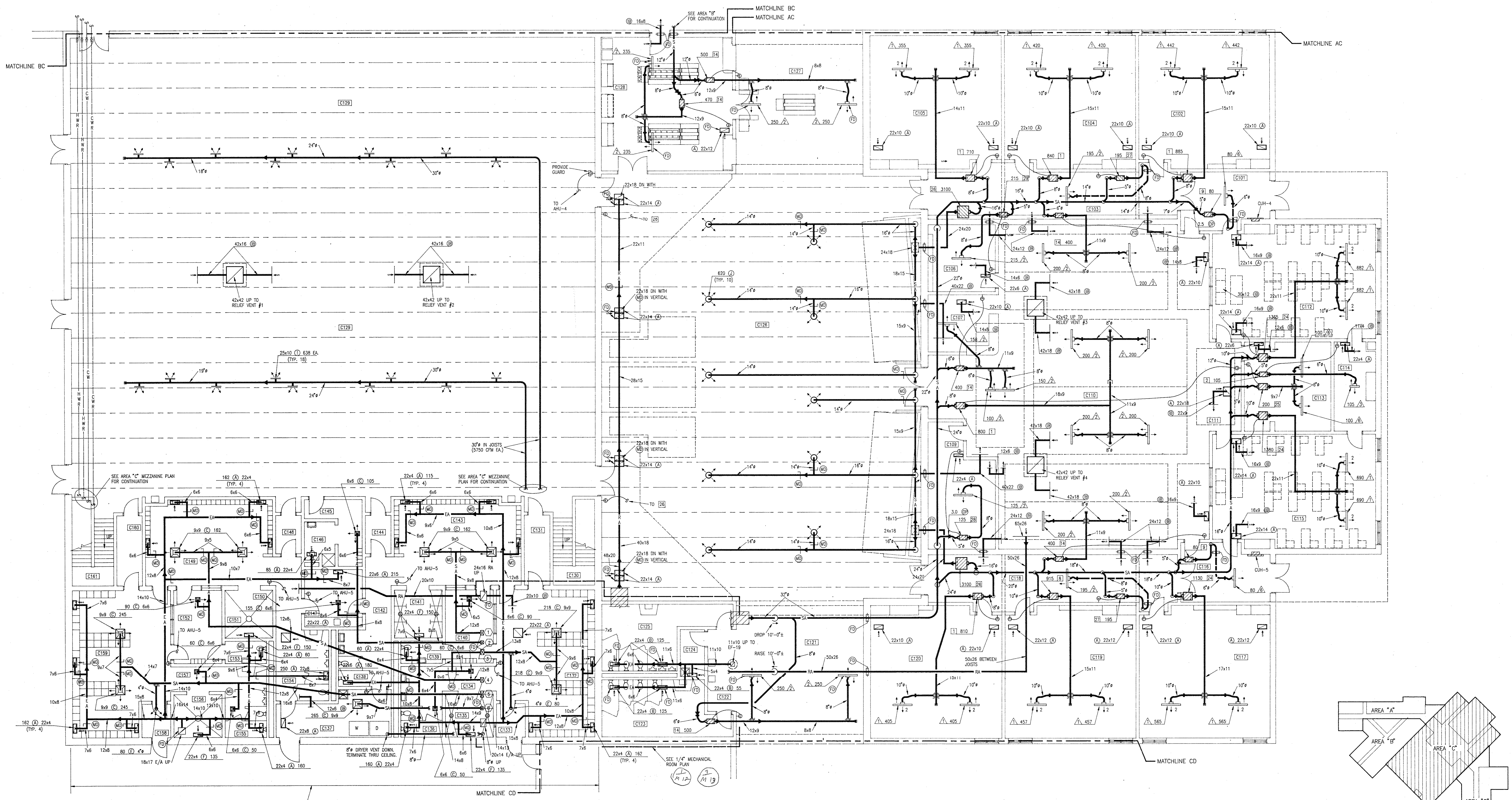
**KIENE & BRADLEY DESIGN GROUP · AIA**  
 CHARTERED  
**ARCHITECTS**  
 TOPEKA



**INTERIOR ARCHITECTURE**  
 KANSAS

**JOB NO.** 89-36  
**DATE** 4-8-91  
**REVISION**

**SHEET NO.**  
**M8**



- LEGEND:**
- ① - 12x8 SUPPLY AIR UP (415 CFM).
  - ② - 8x8 SUPPLY AIR UP (260 CFM).
  - ③ - 13x9 SUPPLY AIR UP (625 CFM).
  - ④ - 12x8 SUPPLY AIR UP (415 CFM).
  - ⑤ - 16x8 SUPPLY AIR UP (680 CFM).
  - ⑥ - 9x7 SUPPLY AIR UP (265 CFM).

- NOTES:**
1. ALL OPENINGS IN FINISH CEILING (SUPPLY, EXHAUST, RETURN) SHALL HAVE FIRE DAMPER.
  2. PROVIDE INSULATED FIRE BATTS AROUND TYPE "C" GRILLES.

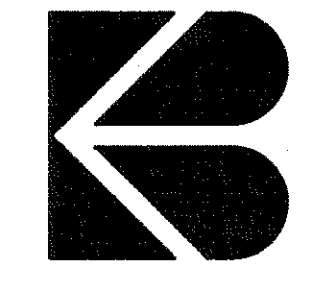
**1 FLOOR PLAN - AREA "C"**  
 M9 scale (MECHANICAL) 1/8"=1'-0"  
 TRUE NORTH

MEZZANNE PLAN - M12 - M13

**MIDDLE SCHOOL  
 WAMEGO U.S.D. 320**

**FLOOR PLAN - AREA "C" - MECHANICAL**

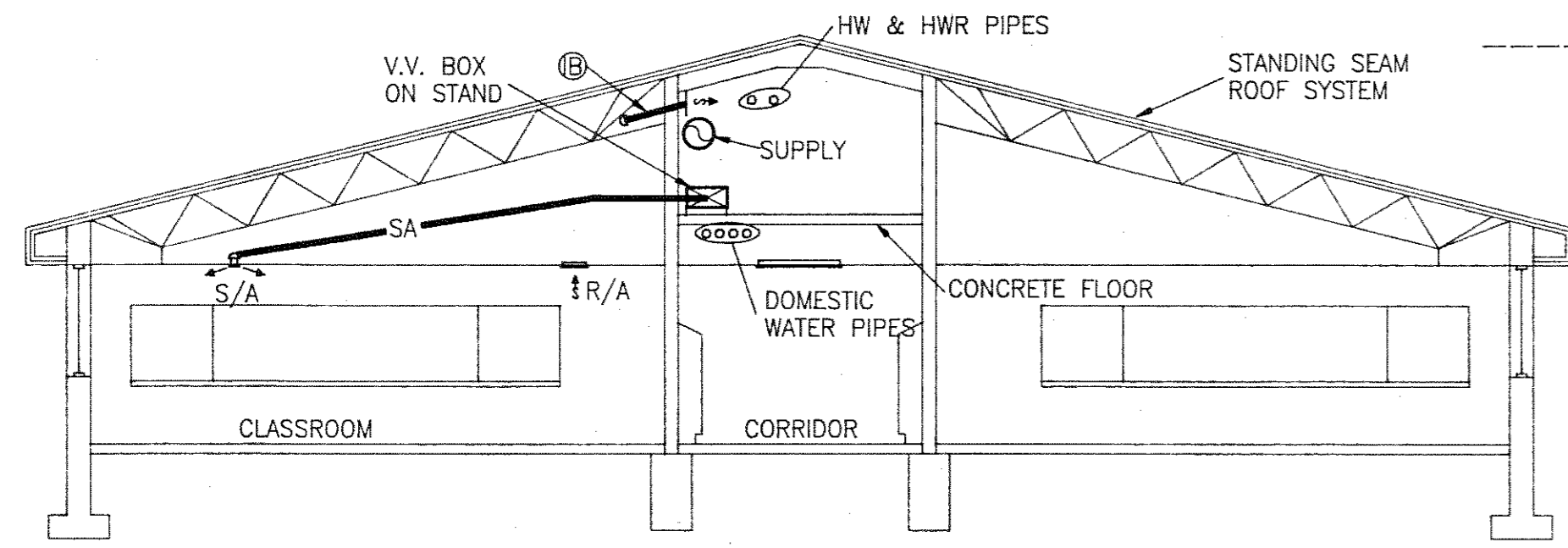
**KIENE & BRADLEY DESIGN GROUP · AIA**  
 CHARTERED  
 ARCHITECTS  
 TOPEKA  
 INTERIOR ARCHITECTURE  
 KANSAS



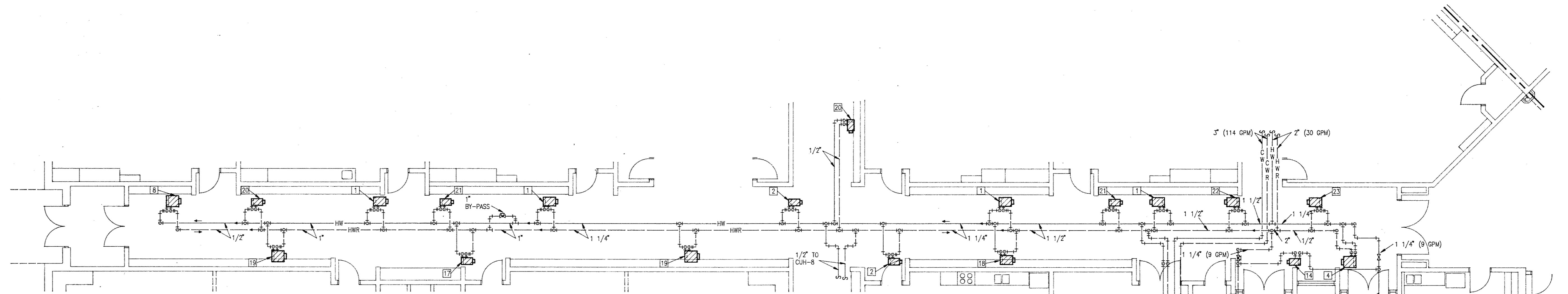
JOB NO. 89-36  
 DATE 4-8-91  
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SHEET NO.  
**M9**

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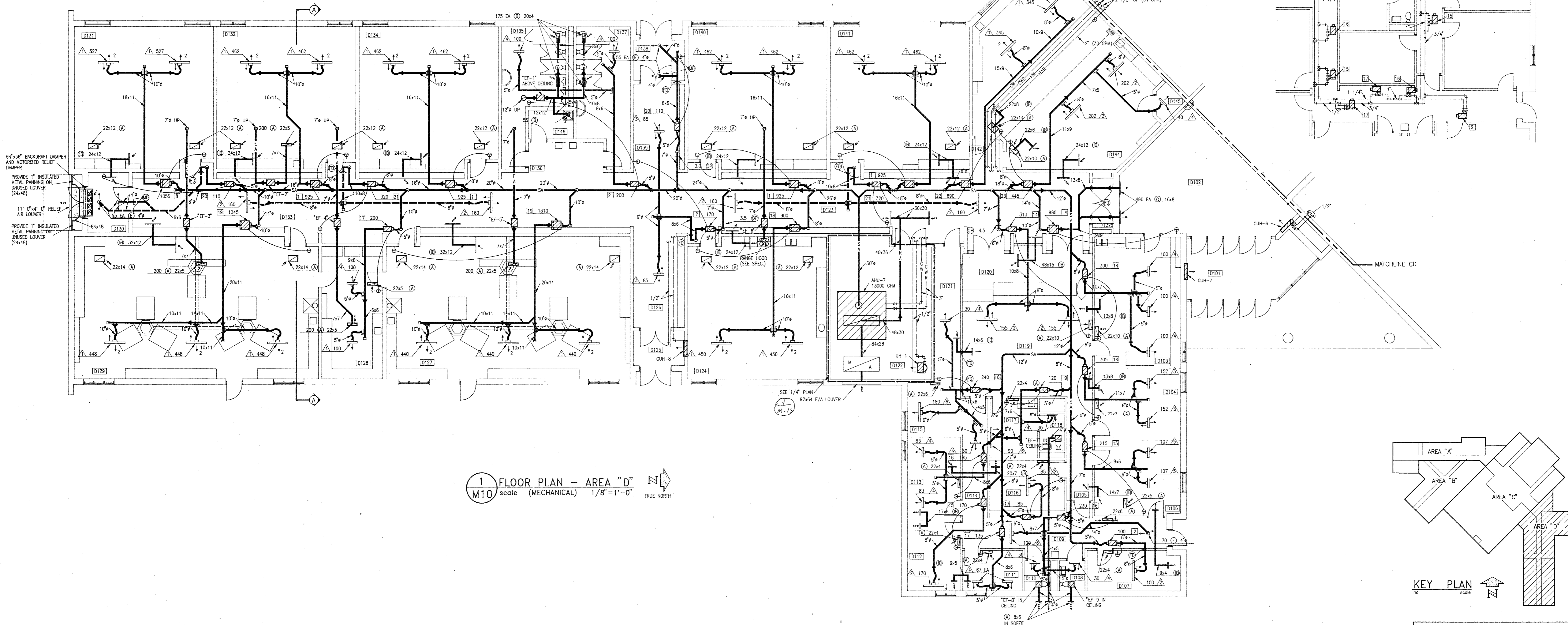


**A SECTION**  
 M10 scale 1/8"=1'-0"

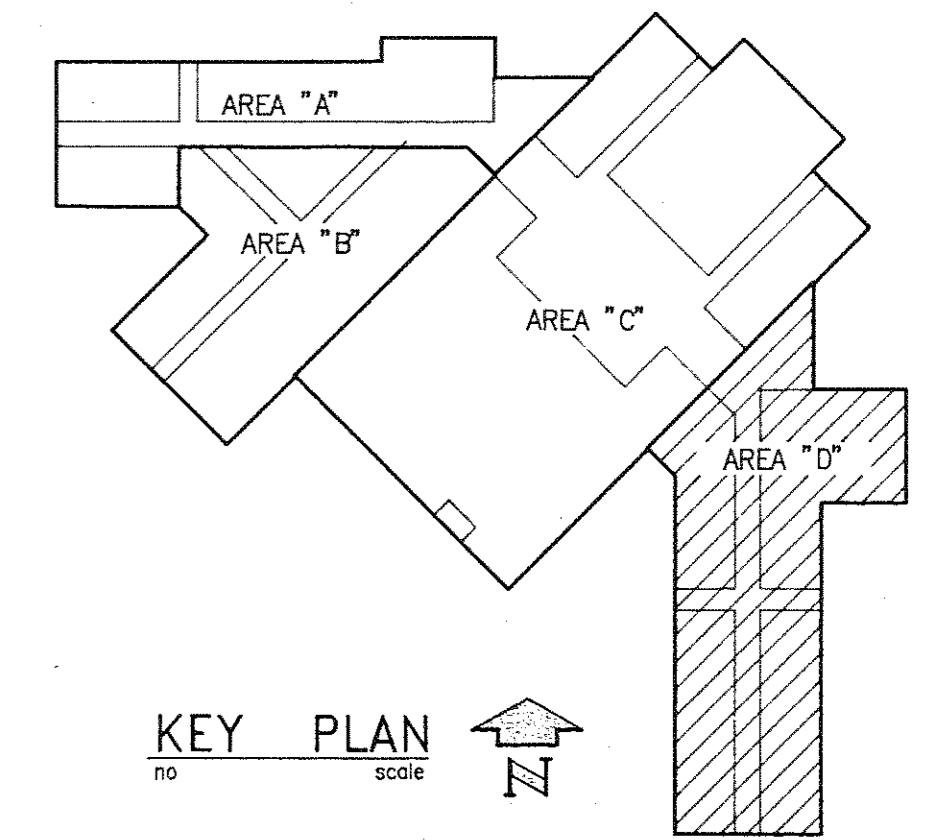


**2 PARTIAL FLOOR PLAN - AREA "D"**  
 M10 scale (MECHANICAL) 1/8"=1'-0" TRUE NORTH

NOTE:  
 ALL TAKE-OFF PIPES TO CUH, UH OR V.V. REHEAT COILS TO BE 1/2" UNLESS NOTED OTHERWISE.



**1 FLOOR PLAN - AREA "D"**  
 M10 scale (MECHANICAL) 1/8"=1'-0" TRUE NORTH



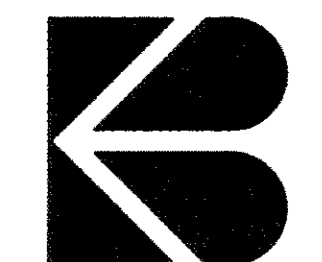
KEY PLAN

LS & A LATIMER SOMMERS & ASSOCIATES P.A. ENGINEERS  
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 (913) 233-3232

MIDDLE SCHOOL  
 WAMEGO U.S.D. 320

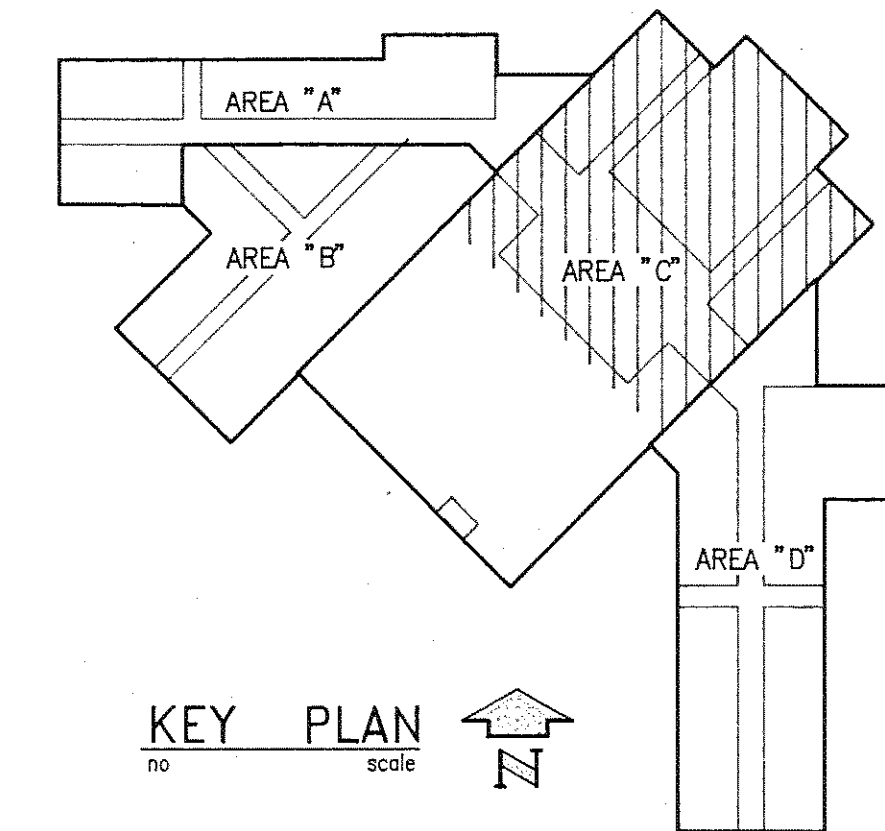
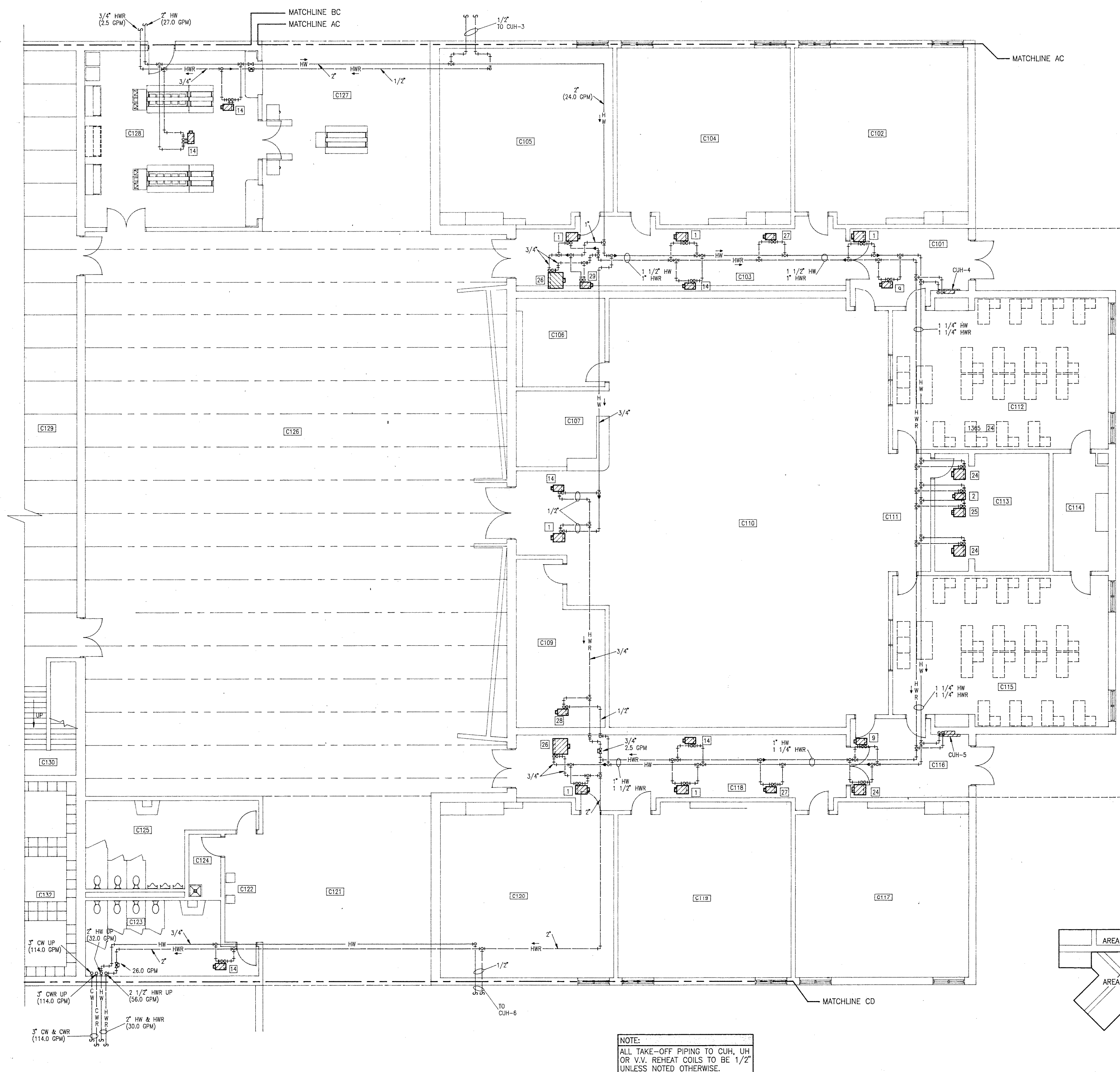
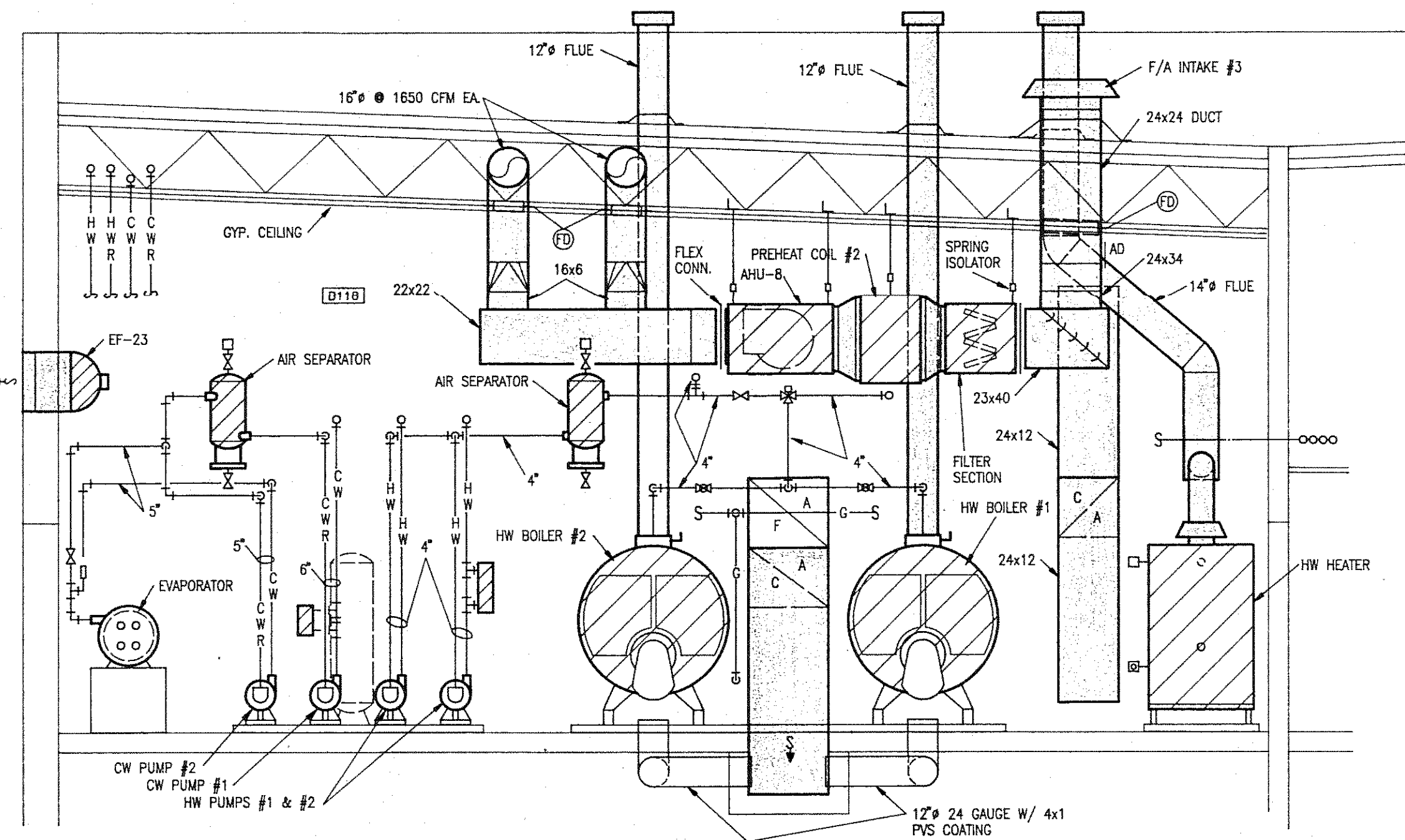
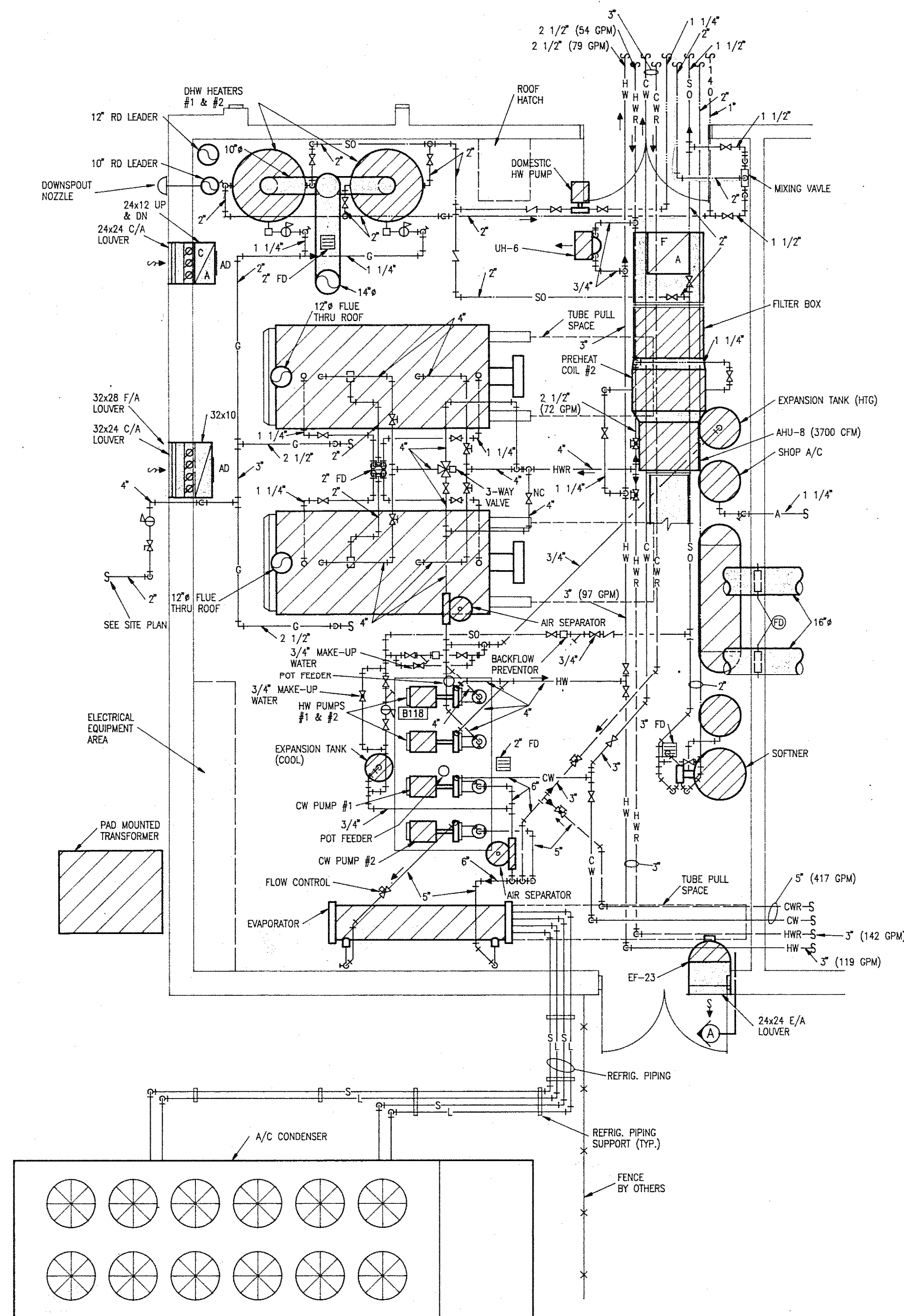
FLOOR PLAN - AREA "D" - MECHANICAL

KIENE & BRADLEY DESIGN GROUP · AIA  
 CHARTERED  
 ARCHITECTS TOPEKA  
 INTERIOR ARCHITECTURE KANSAS



JOB NO. 89-36  
 DATE 4-8-91  
 REVISION

SHEET NO.  
**M10**



MIDDLE SCHOOL  
WAMEGO U.S.D. 320

MECHANICAL FLOOR PLAN - AREA "C"  
PIPING & DETAILS

KIENE & BRADLEY DESIGN GROUP · AIA  
CHARTERED  
ARCHITECTS  
TOPEKA

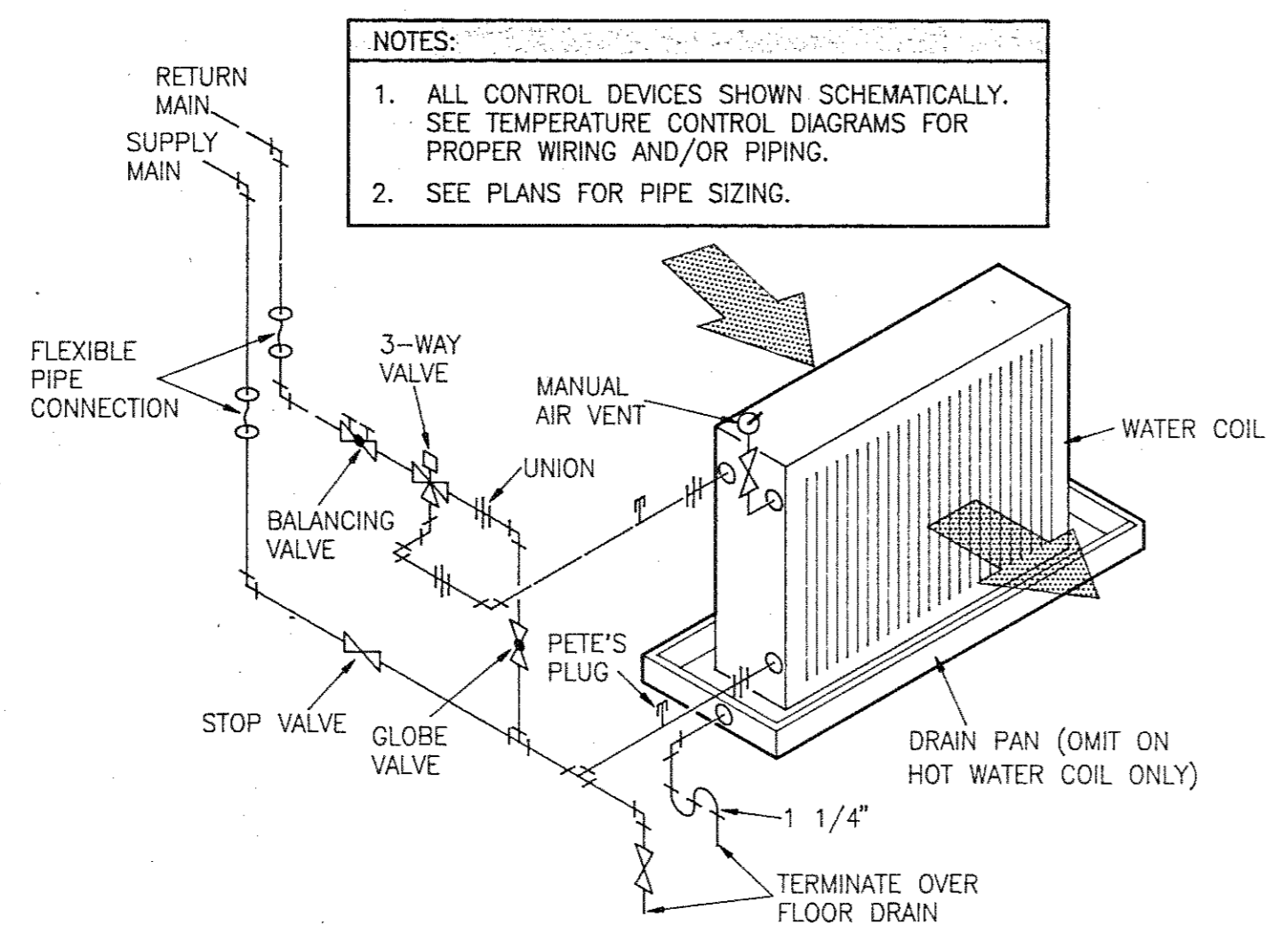
INTERIOR ARCHITECTURE  
KANSAS

JOB NO. 89-36  
DATE 4-8-91  
REVISION

SHEET NO.  
M11

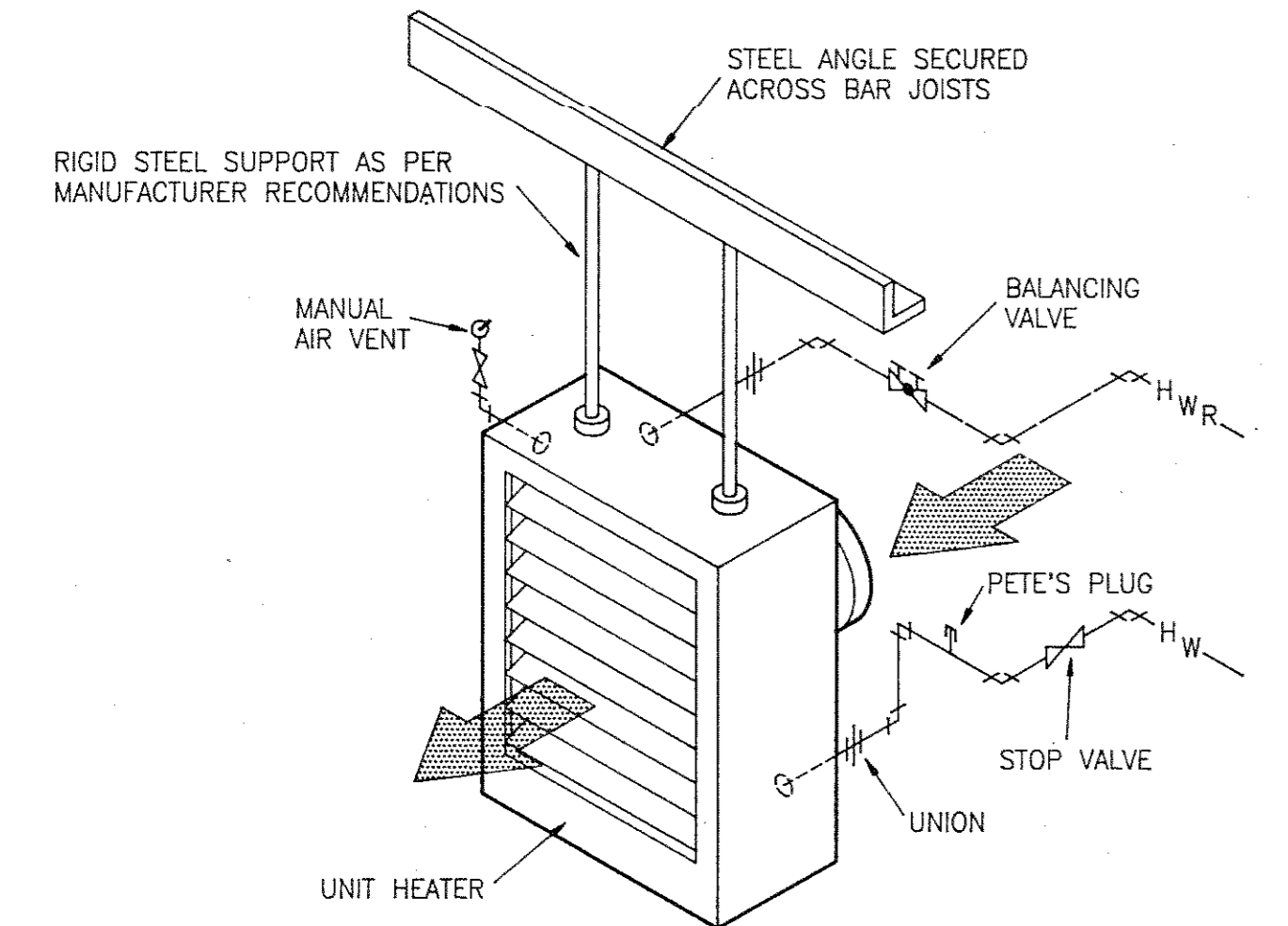
LS & A LATIMER SOMMERS & ASSOCIATES P.A., ENGINEERS  
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(913) 283-3232



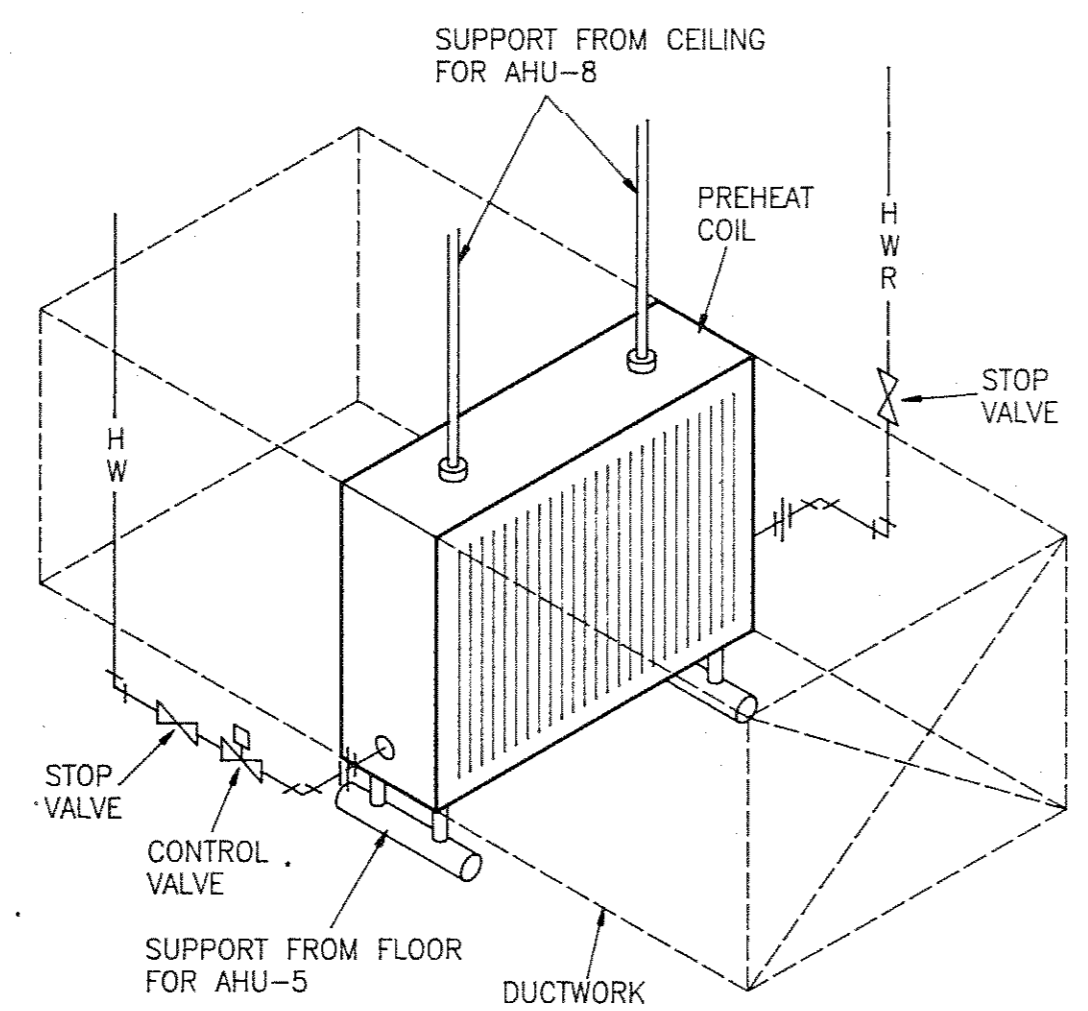


**HOT & CHILLED WATER COIL DETAIL**  
no \_\_\_\_\_ scale \_\_\_\_\_

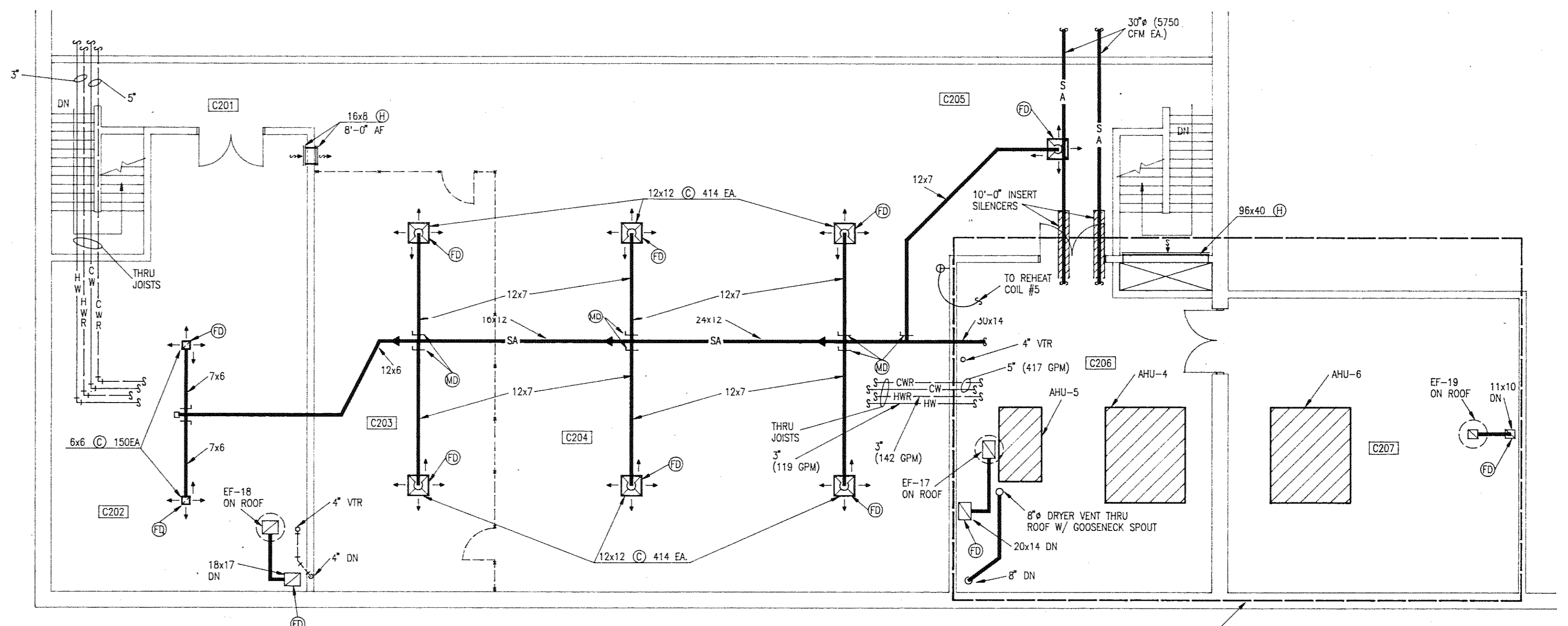
**NOTES:**  
1. ALL CONTROL DEVICES SHOWN SCHEMATICALLY. SEE TEMPERATURE CONTROL DIAGRAMS FOR PROPER WIRING AND/OR PIPING.  
2. SEE PLANS FOR PIPE SIZING.



**HOT WATER UNIT HEATER DETAIL**  
no \_\_\_\_\_ scale \_\_\_\_\_



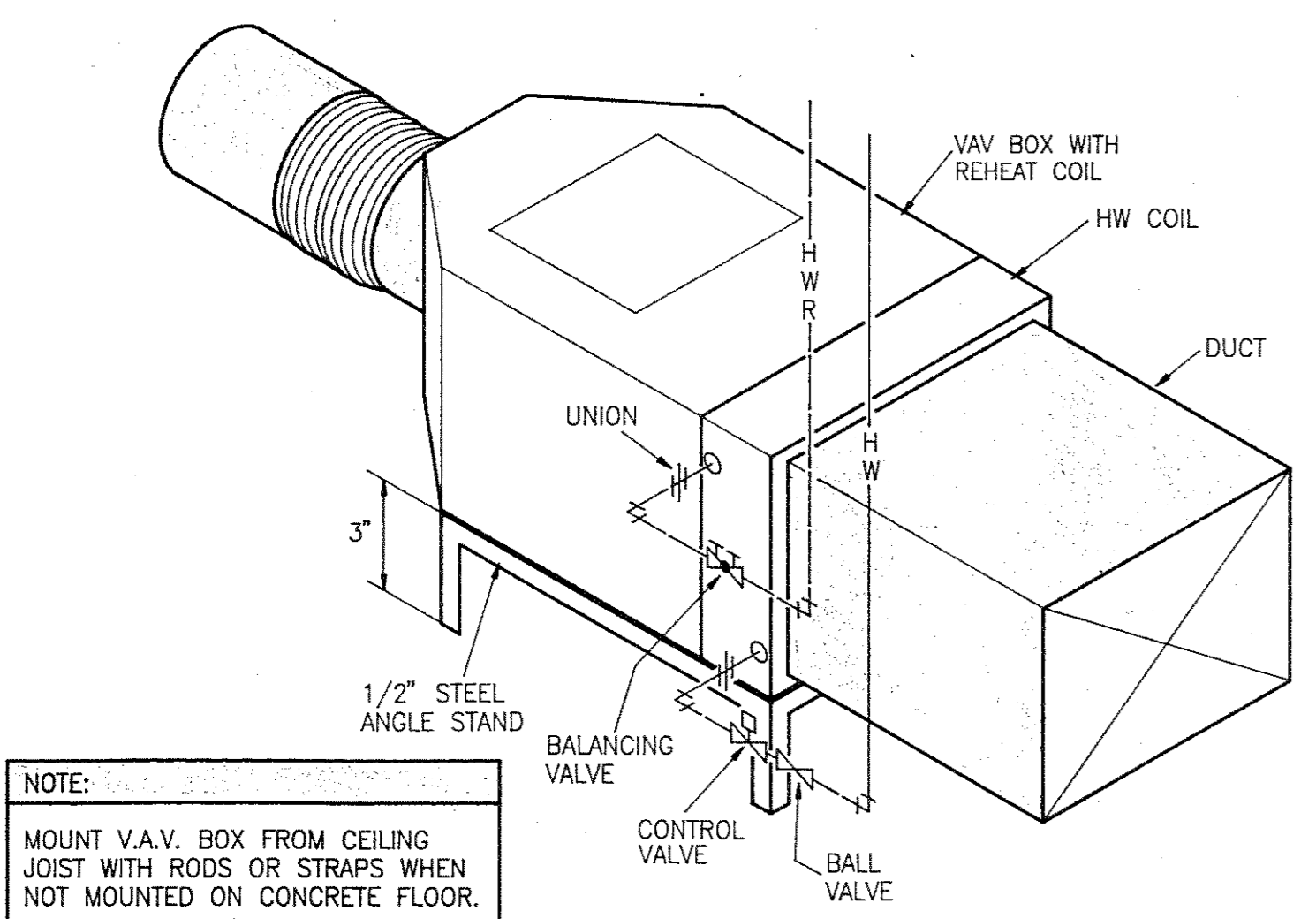
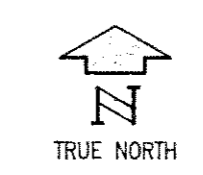
**PREHEAT COIL DETAIL**  
no (AHU-5 & AHU-8) scale \_\_\_\_\_



**1 AREA "C" - INSTRUCTIONAL & MECH. MEZZANINE**  
M12 scale \_\_\_\_\_ (MECHANICAL) 1/8"=1'-0"

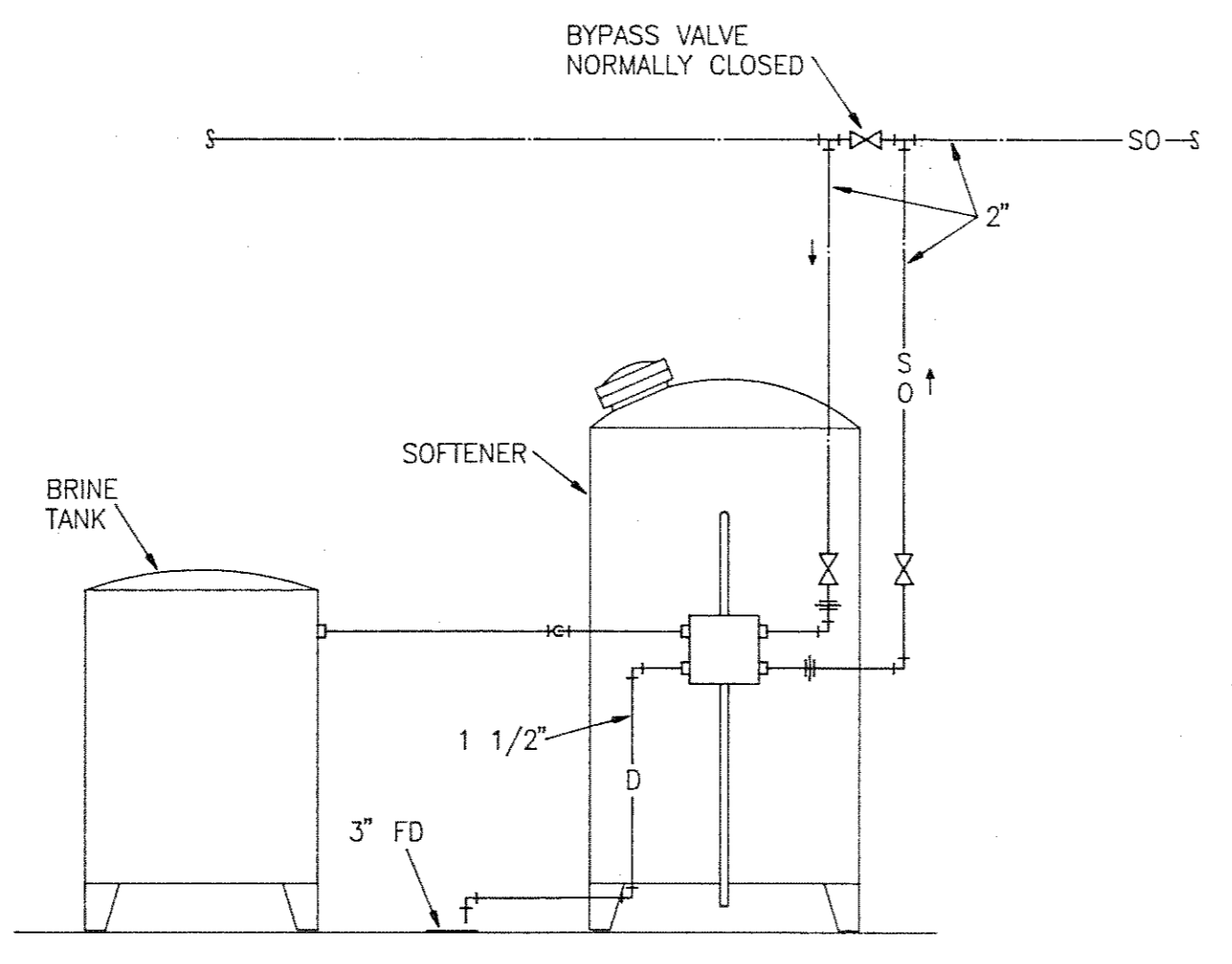
**NOTE:**  
PROVIDE INSULATED FIRE BATTS AROUND TYPE "C" SUPPLY REGISTERS.

SEE 1/4" PLAN  
M13

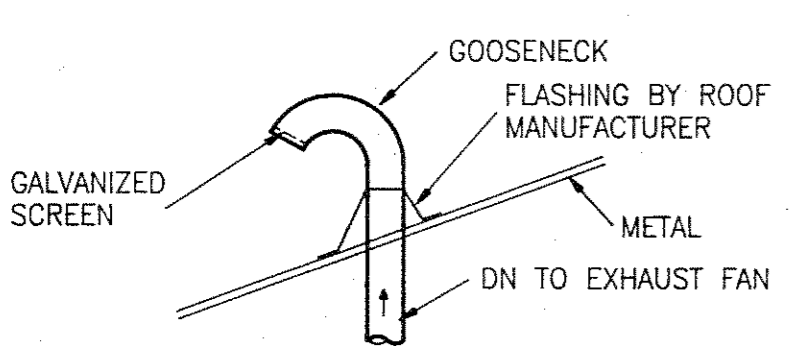


**V.A.V. BOX ON CONCRETE DECK DETAIL**  
no (AREAS "C" & "D") scale \_\_\_\_\_

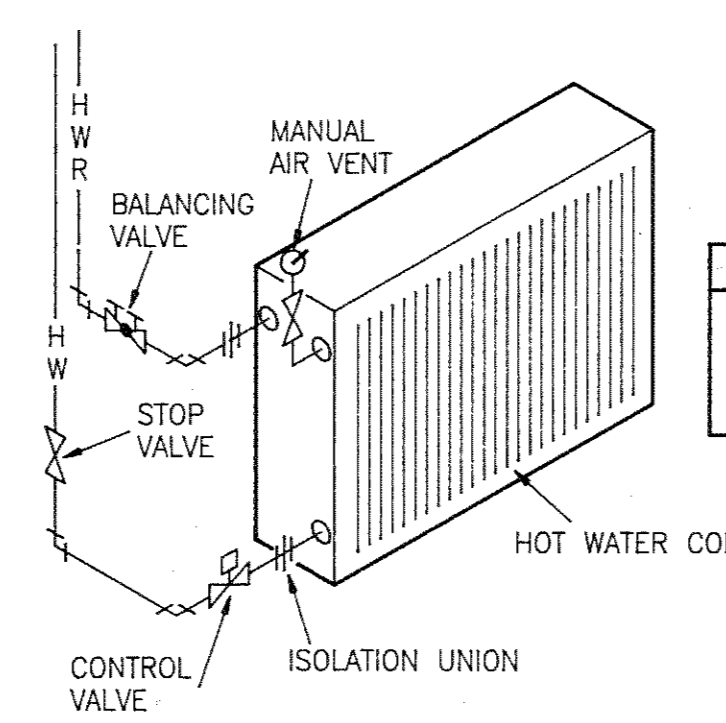
**NOTE:**  
MOUNT V.A.V. BOX FROM CEILING JOIST WITH RODS OR STRAPS WHEN NOT MOUNTED ON CONCRETE FLOOR.



**WATER SOFTENER DETAIL**  
no \_\_\_\_\_ scale \_\_\_\_\_

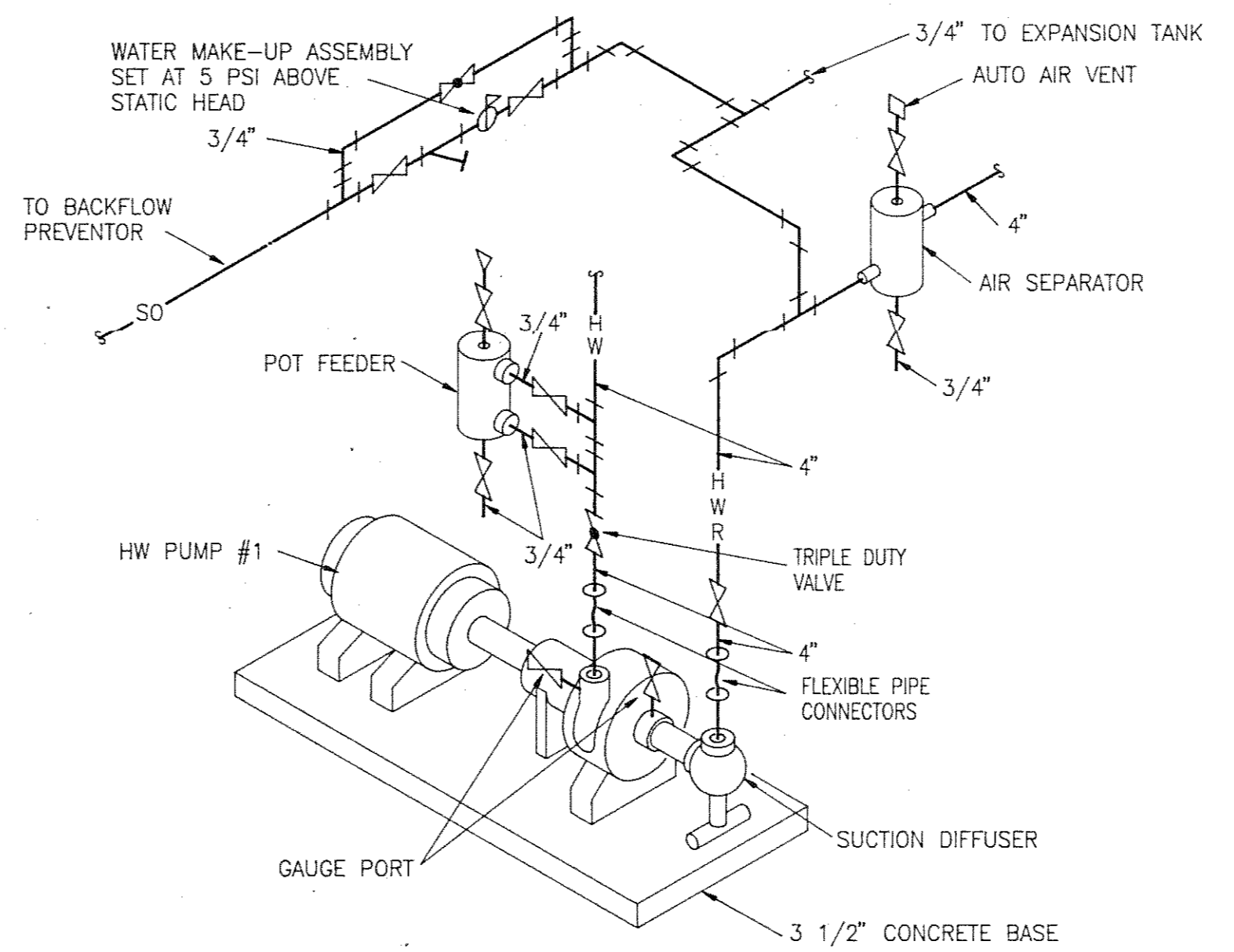


**DISCHARGE ON EXHAUST FANS IN SLOPING METAL ROOFS**  
no \_\_\_\_\_ scale \_\_\_\_\_



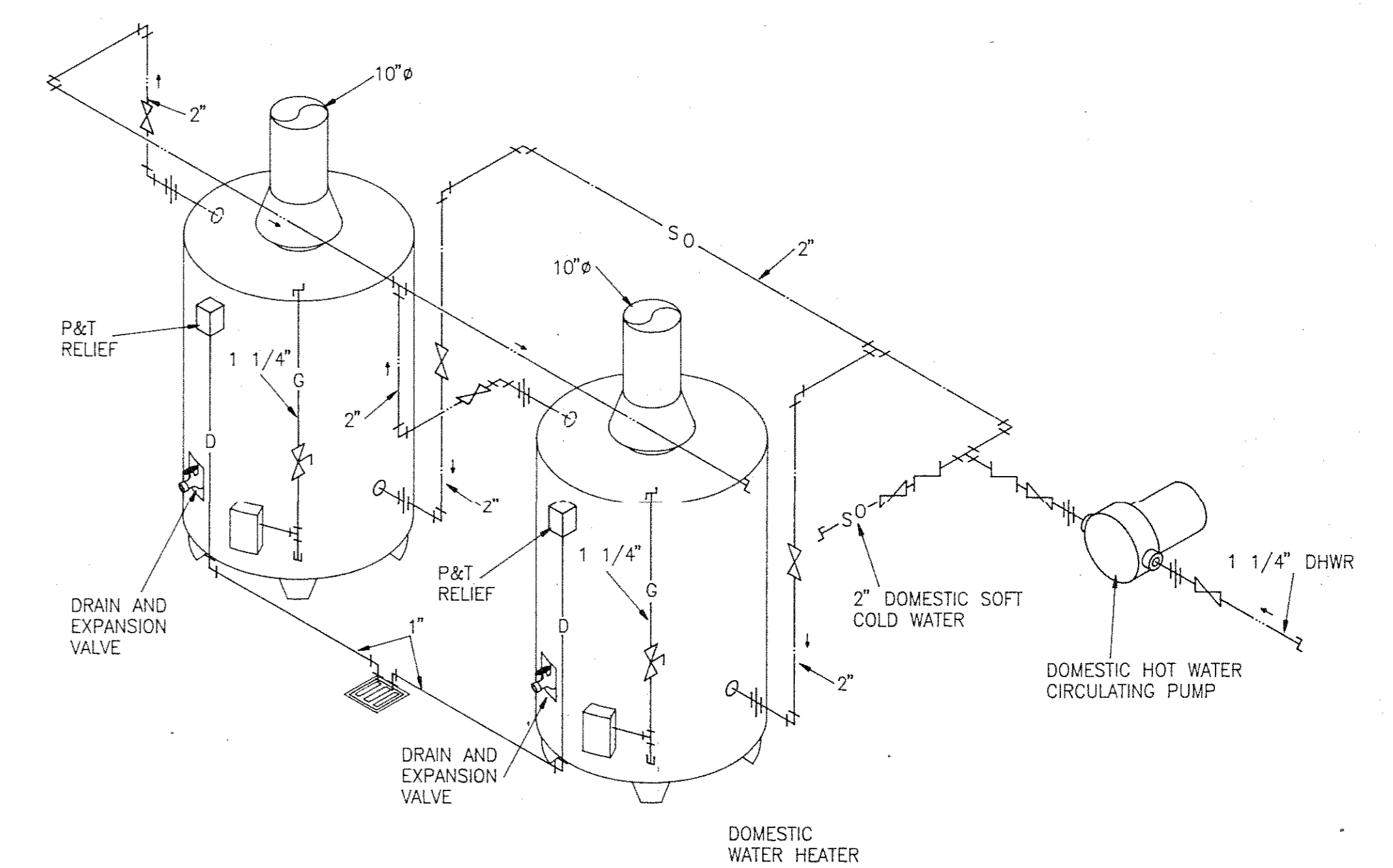
**CABINET UNIT HEATER COIL DETAIL**  
no \_\_\_\_\_ scale \_\_\_\_\_

**NOTE:**  
ALL CONTROL DEVICES SHOWN SCHEMATICALLY. SEE TEMPERATURE CONTROL DIAGRAMS FOR PROPER WIRING AND/OR PIPING.



**HOT WATER PUMP DETAIL**  
no \_\_\_\_\_ scale \_\_\_\_\_

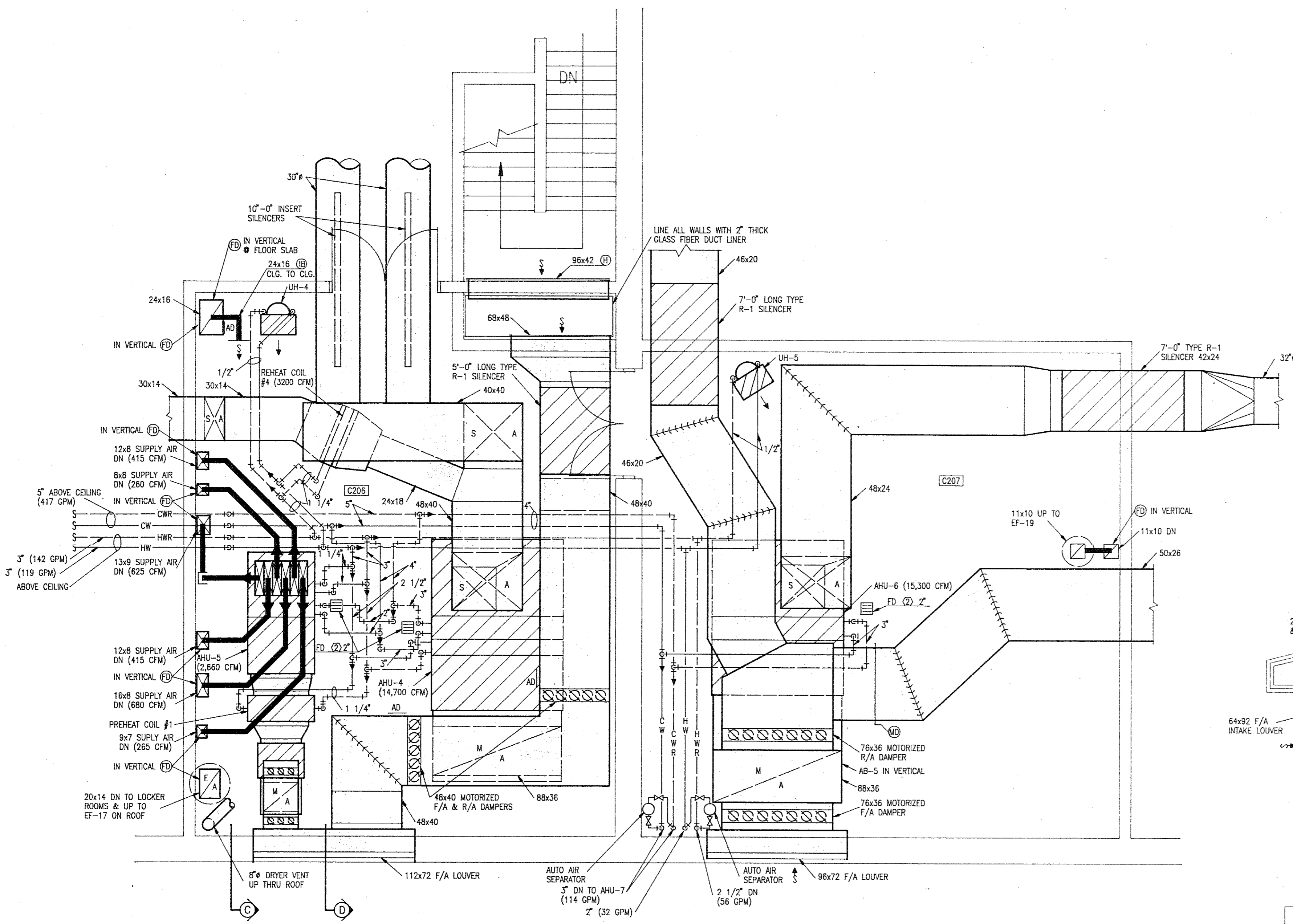
**NOTES:**  
1. HOT & CHILLED WATER PUMPS NO. 2, SAME LESS POT FEEDER.  
2. CHILLED WATER PUMP NO.1 SAME AS HOT WATER PUMP NO.1



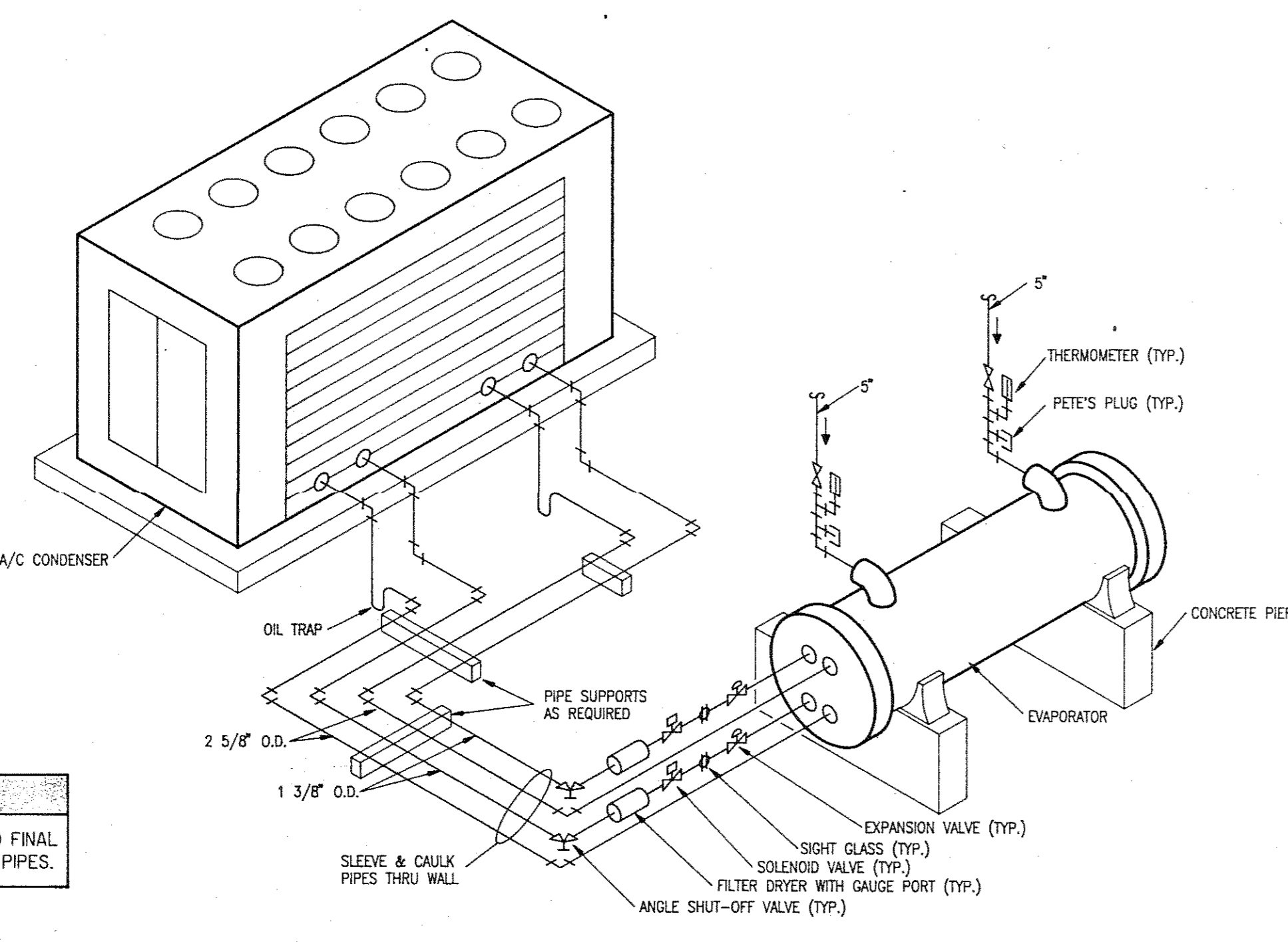
**DOMESTIC WATER HEATER DETAIL**  
no \_\_\_\_\_ scale \_\_\_\_\_

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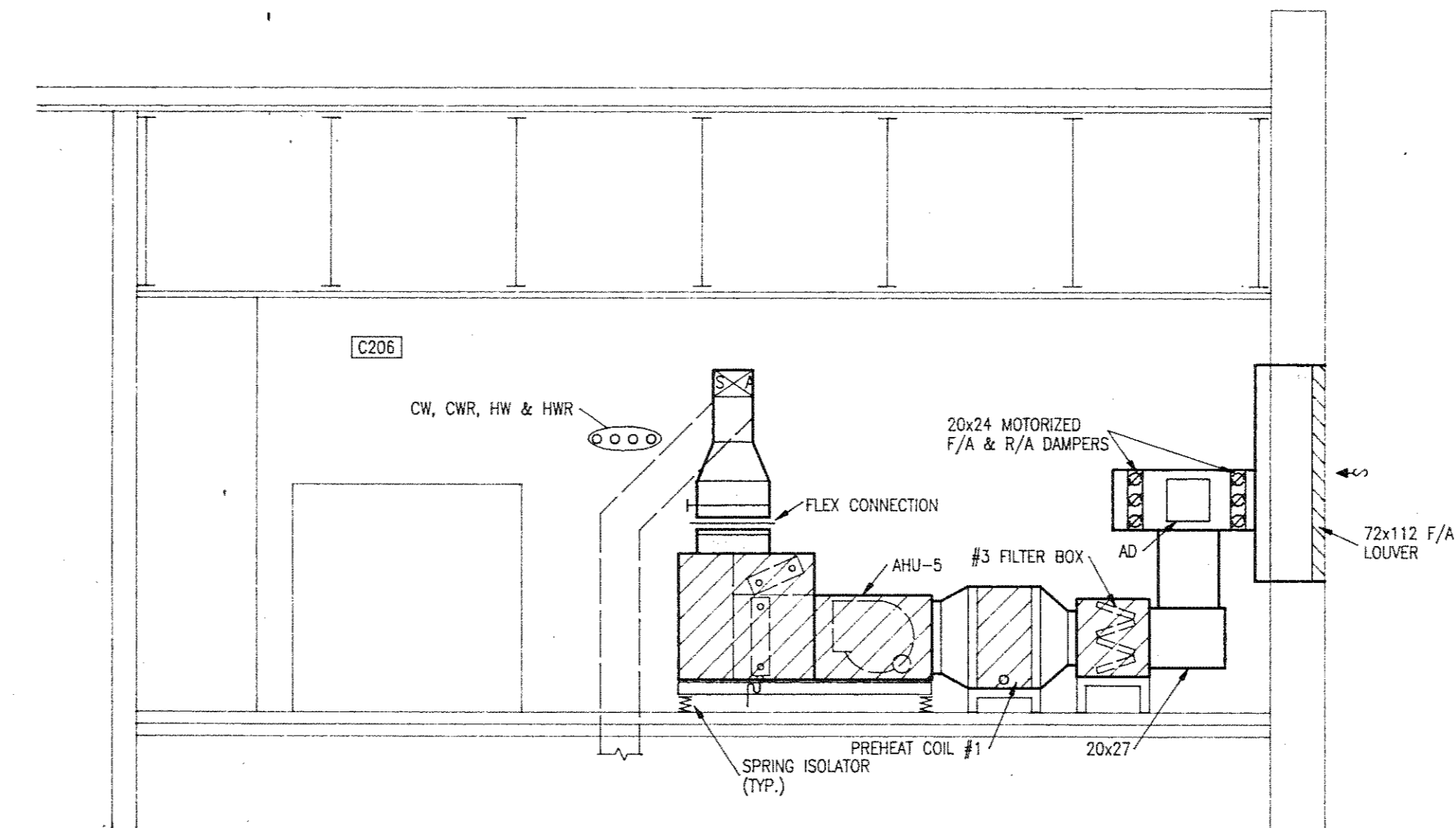




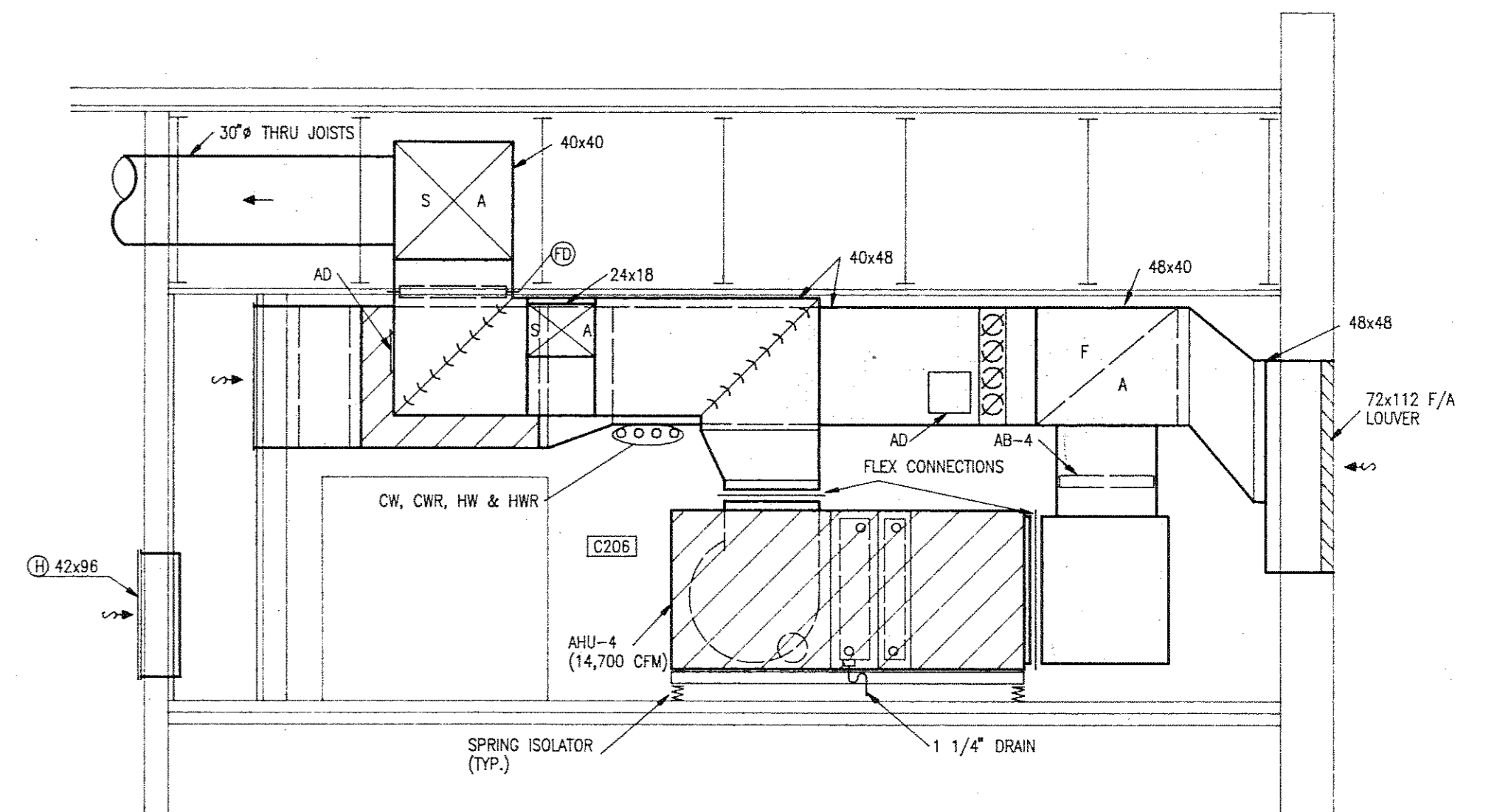
3 1/4" MECHANICAL ROOM PLAN  
AREA "C" MEZZANINE  
M13



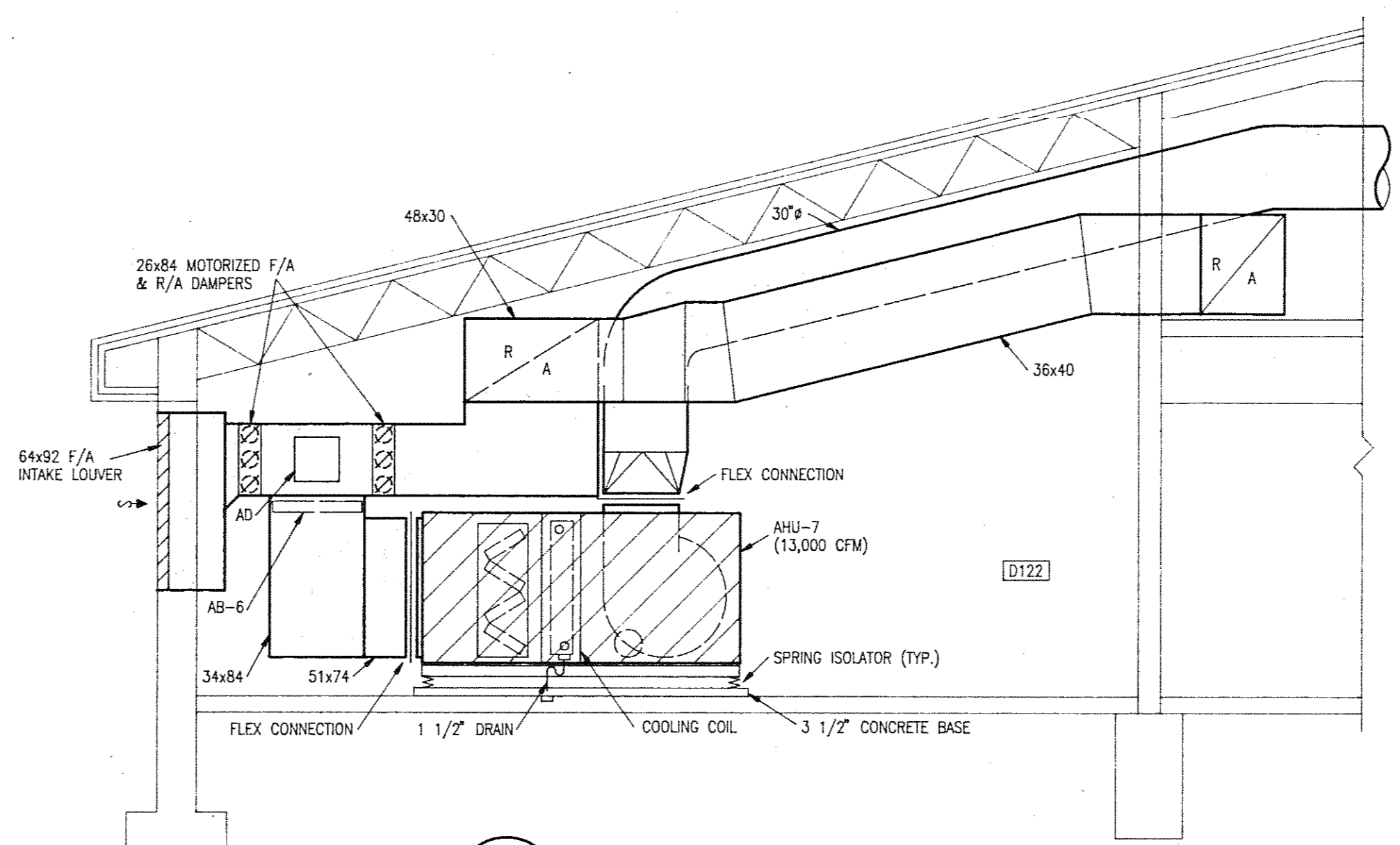
4 CHILLER EVAPORATOR DETAIL  
M13 scale



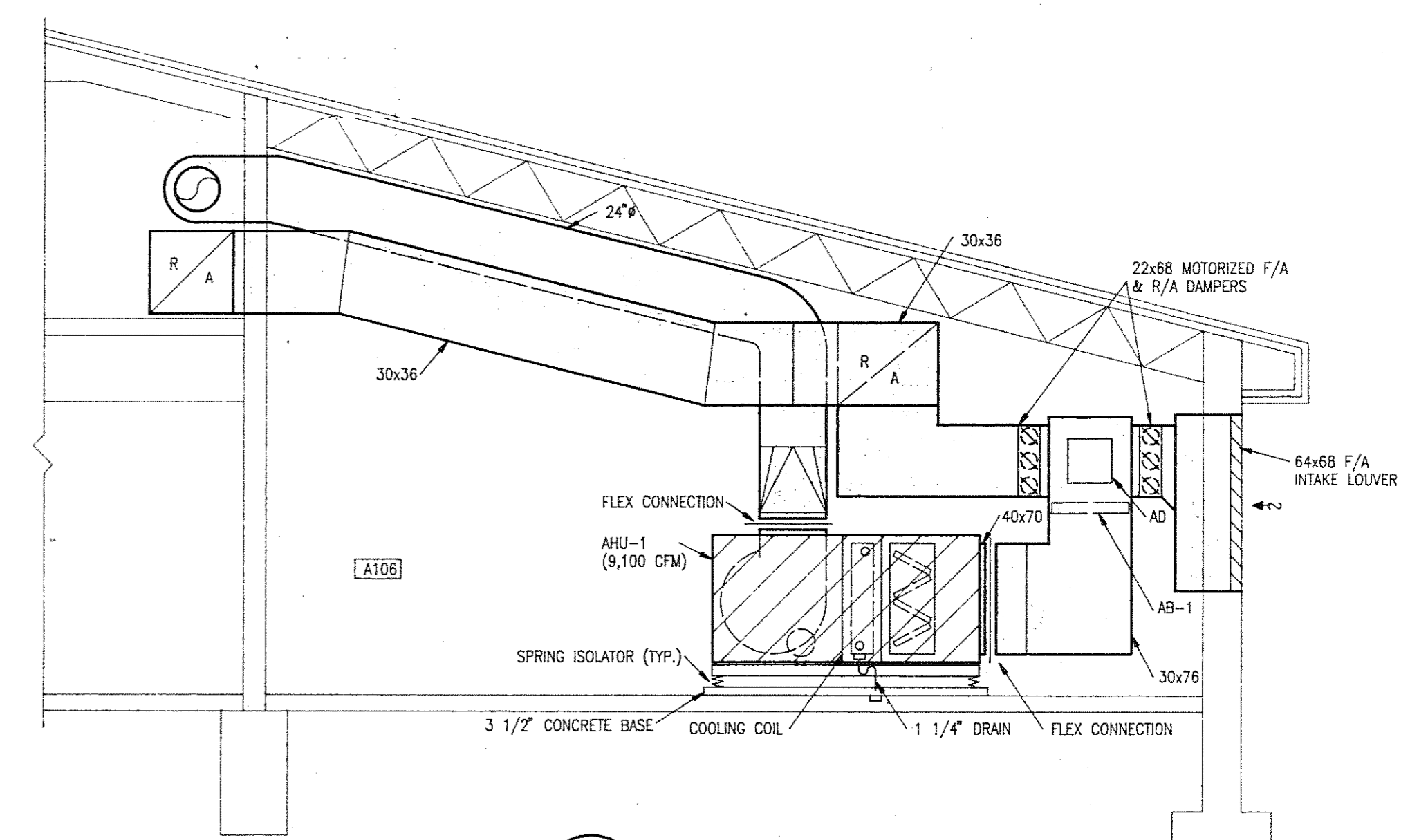
C SECTION  
M13 scale 1/4"=1'-0"



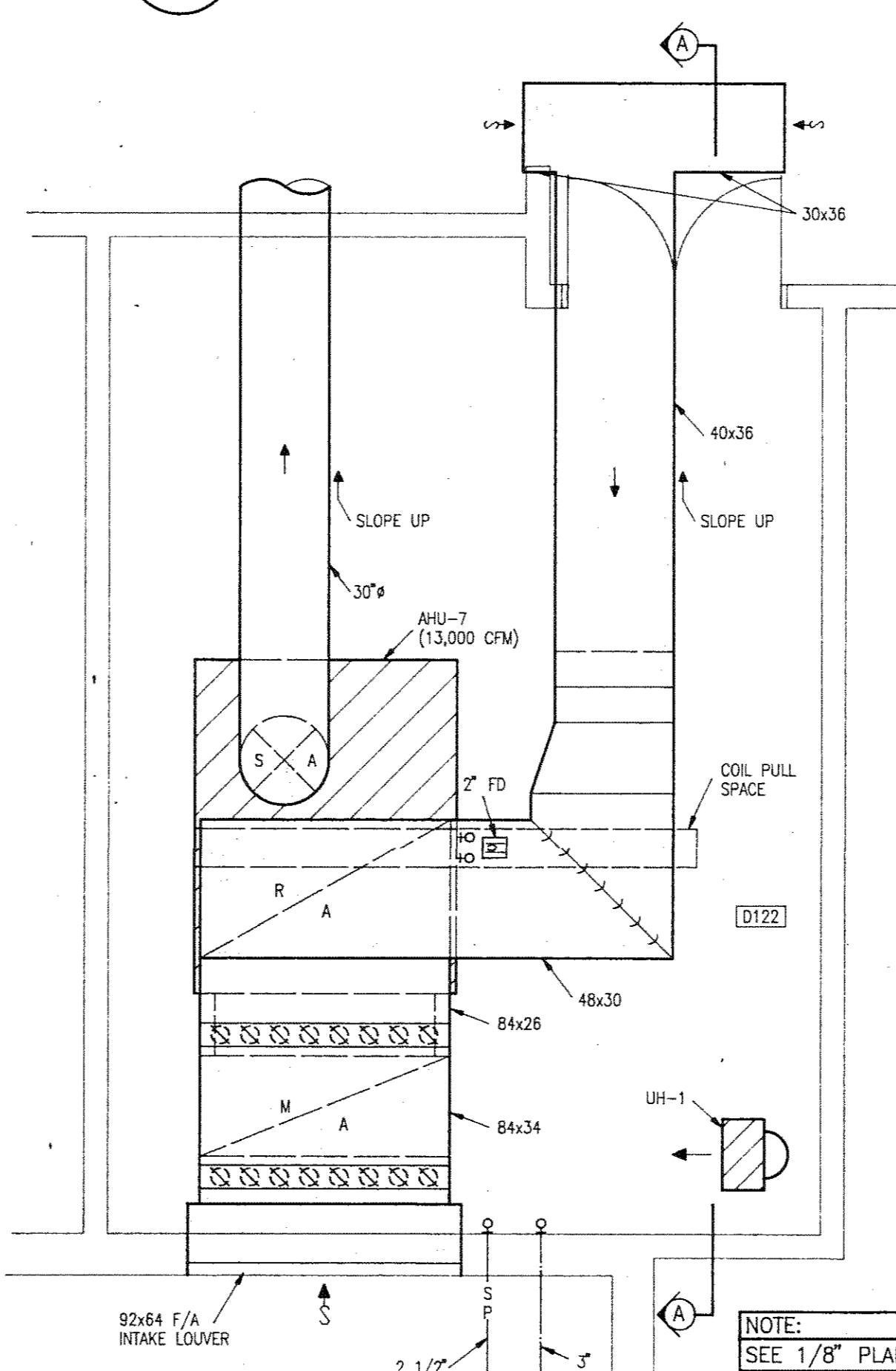
D SECTION  
M13 scale 1/4"=1'-0"



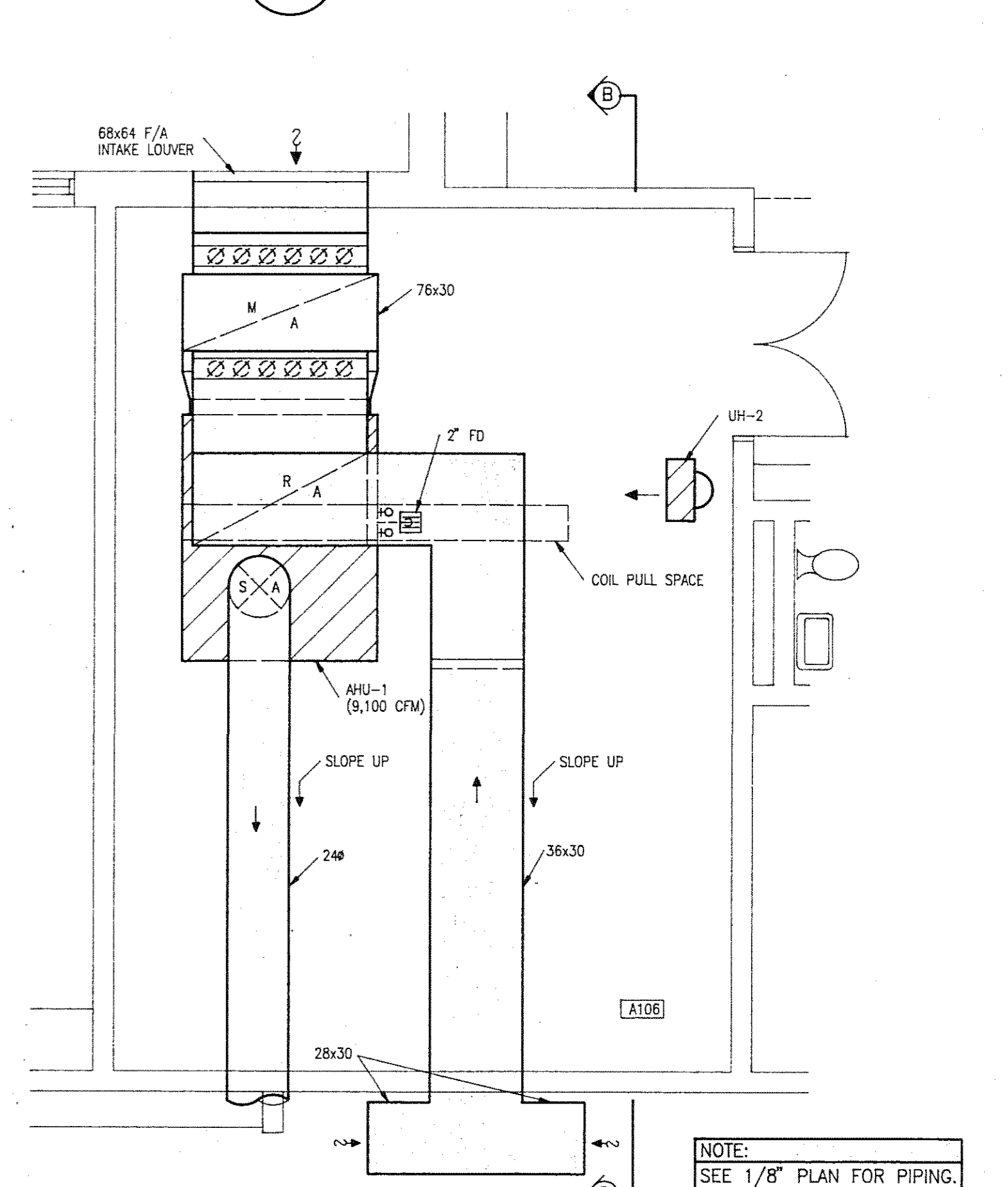
A SECTION  
M13 scale 1/4"=1'-0"



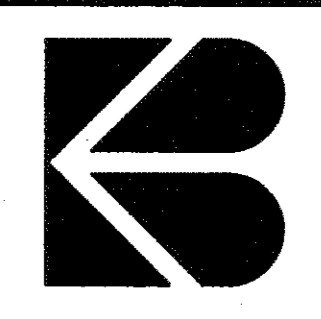
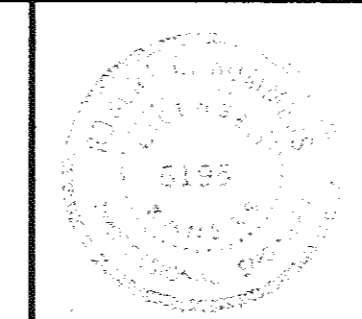
B SECTION  
M13 scale 1/4"=1'-0"

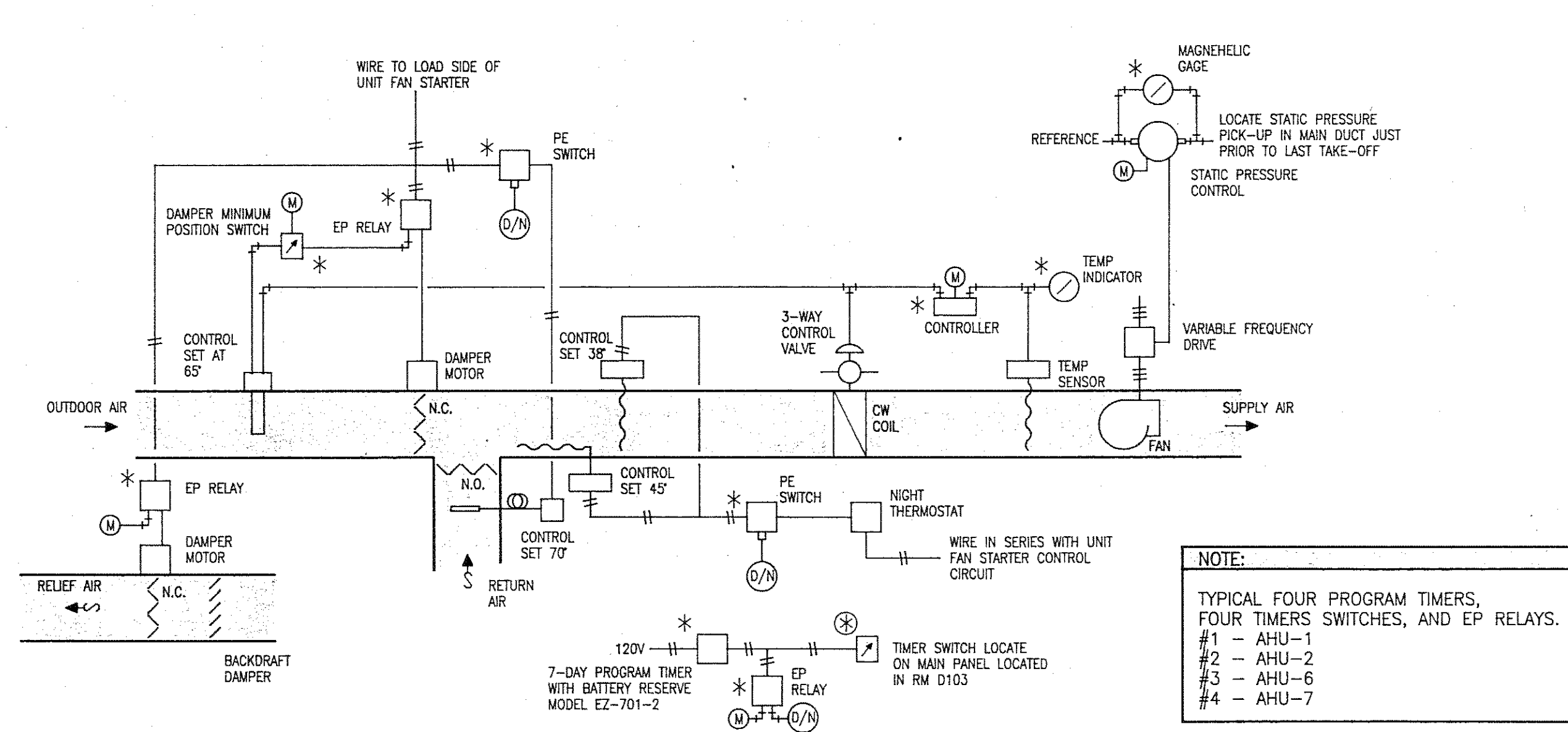


1 1/4" MECHANICAL ROOM PLAN  
AREA "D"  
M13

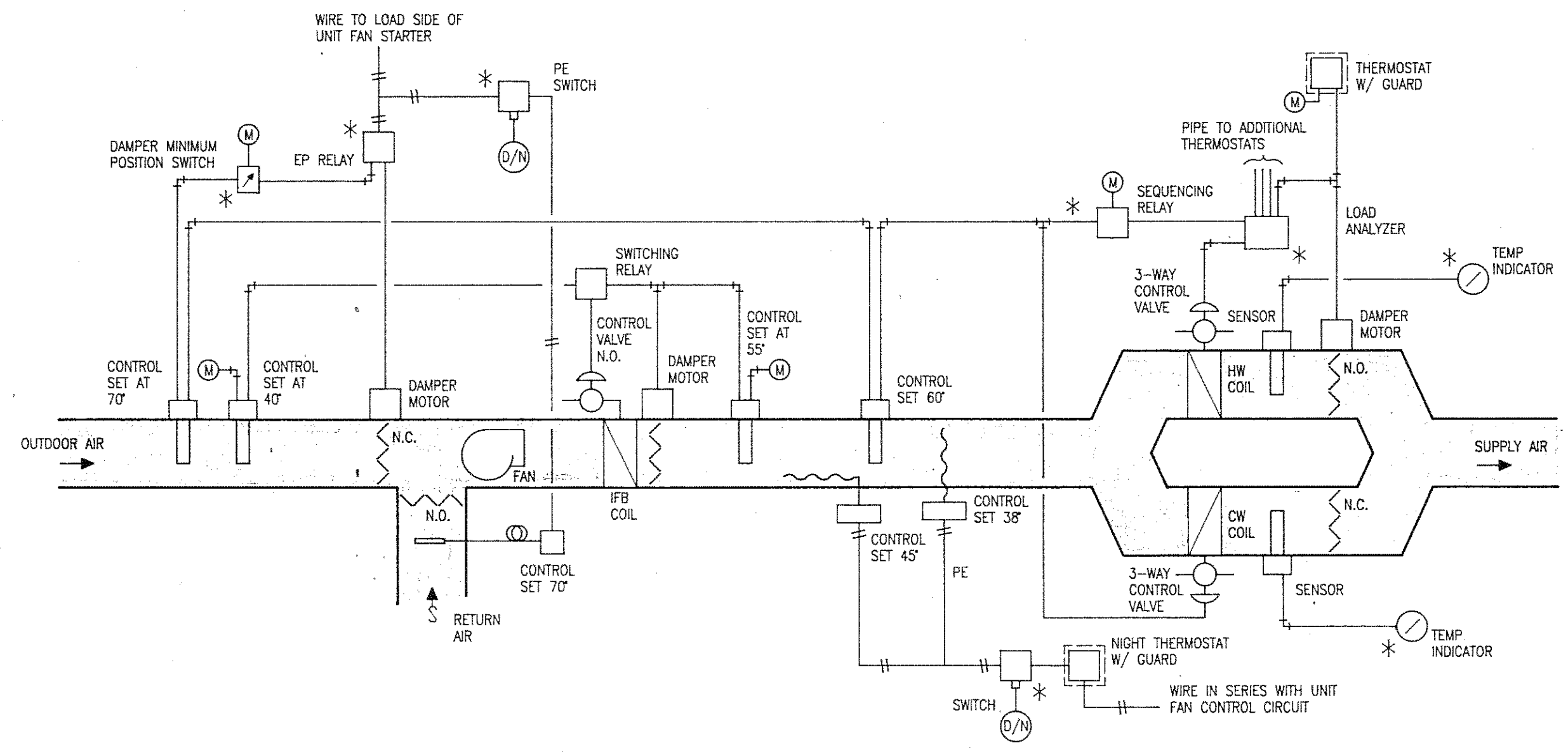


2 1/4" MECHANICAL ROOM PLAN  
AREA "A"  
M13

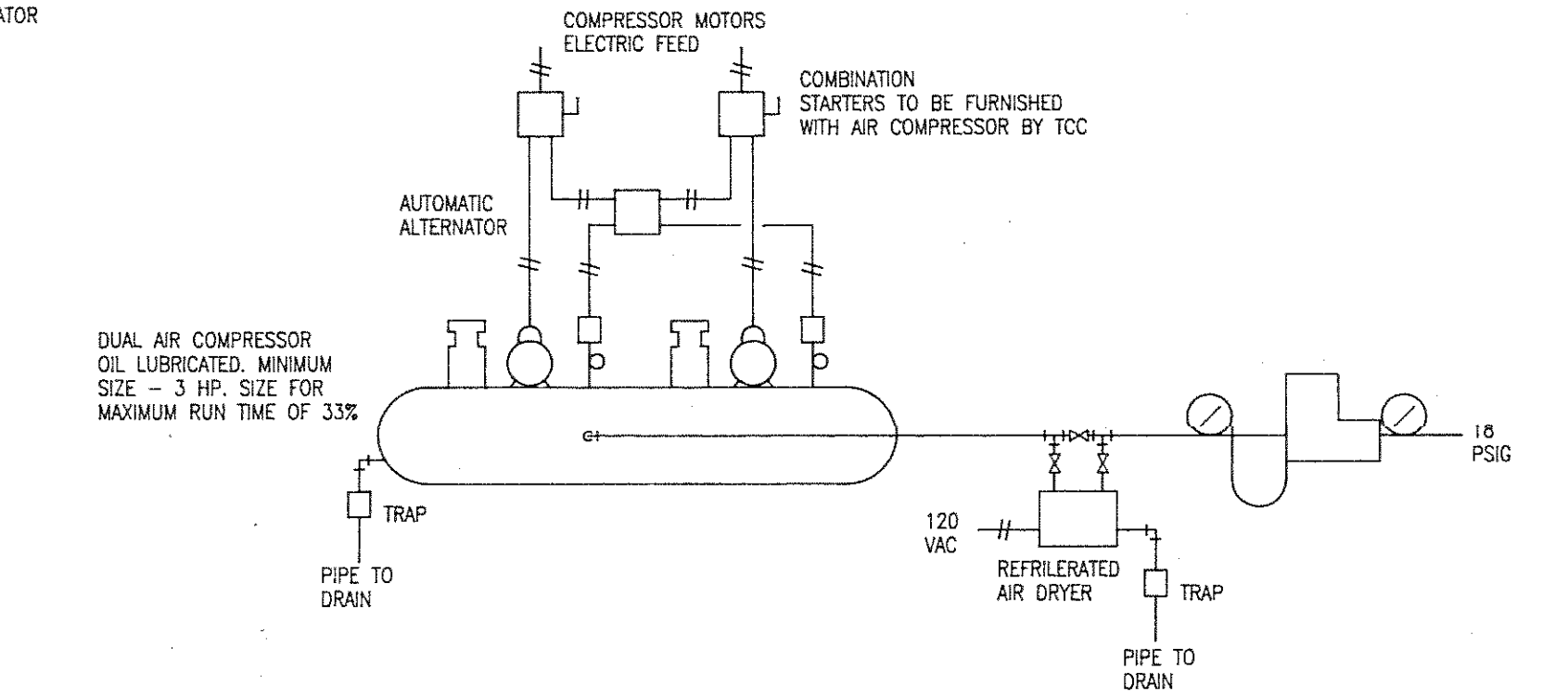




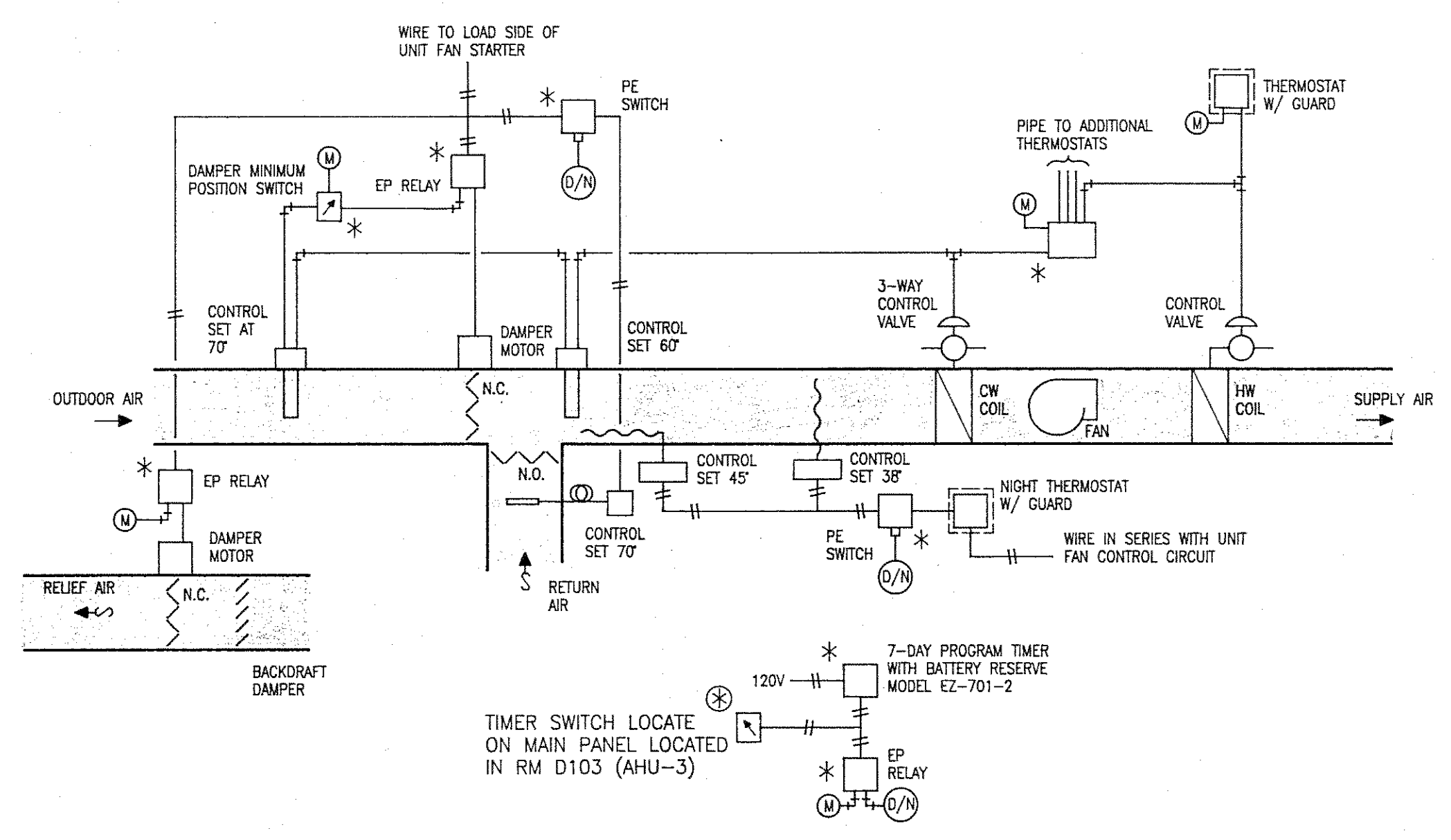
**AIR HANDLING UNITS AHU-1, 2, 6 & 7**  
 no (CLASS ROOMS) scale



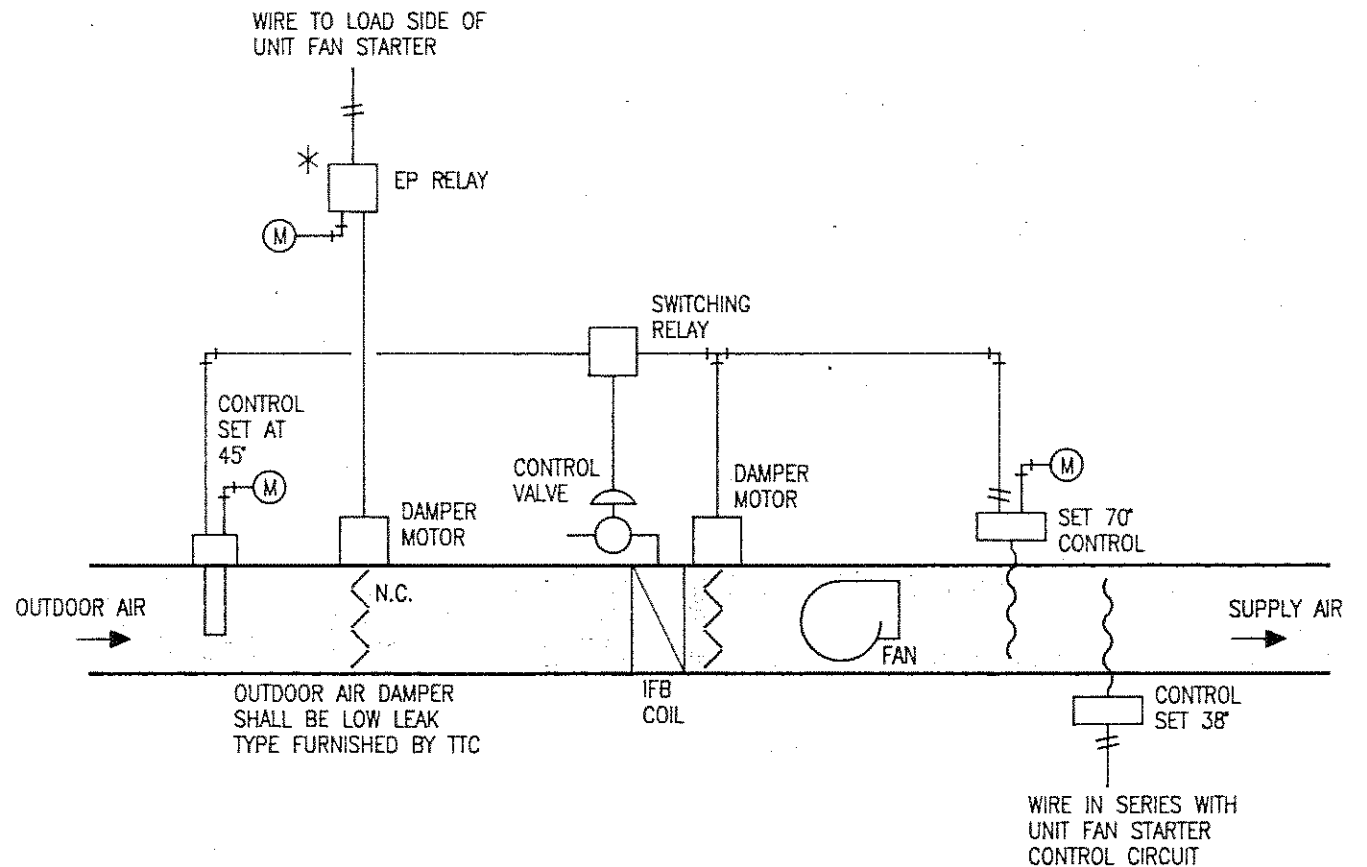
**LOCKER ROOM UNIT AHU-5 CONTROL**  
 no (SHOPS) scale



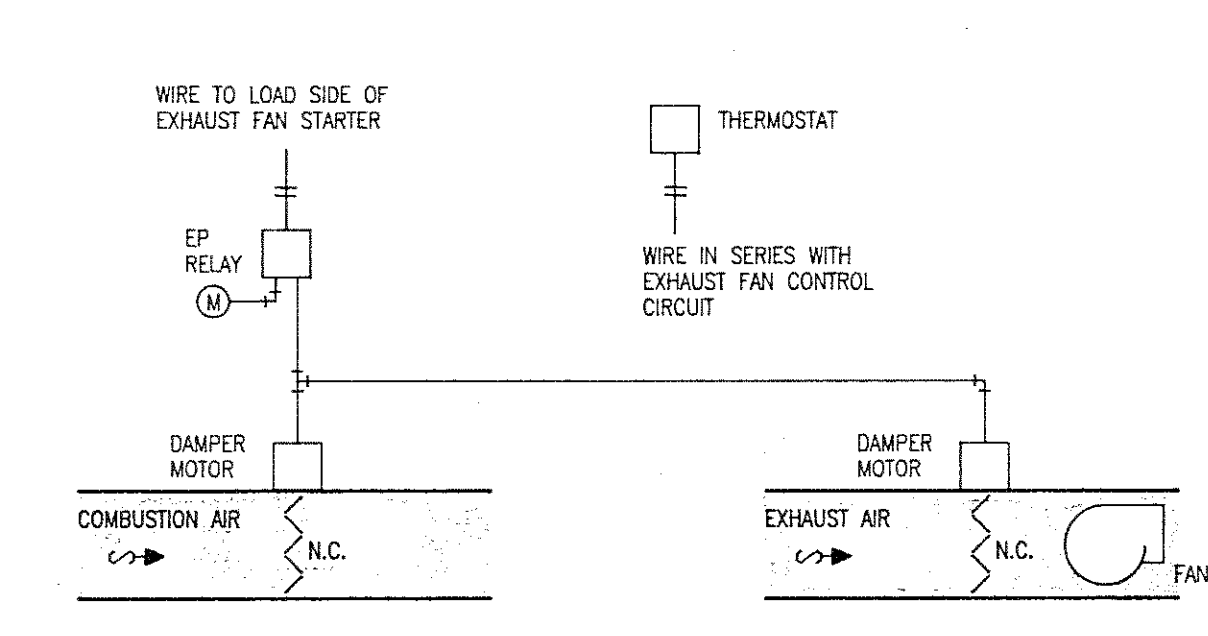
**CONTROL SYSTEM AIR SUPPLY**  
 no scale



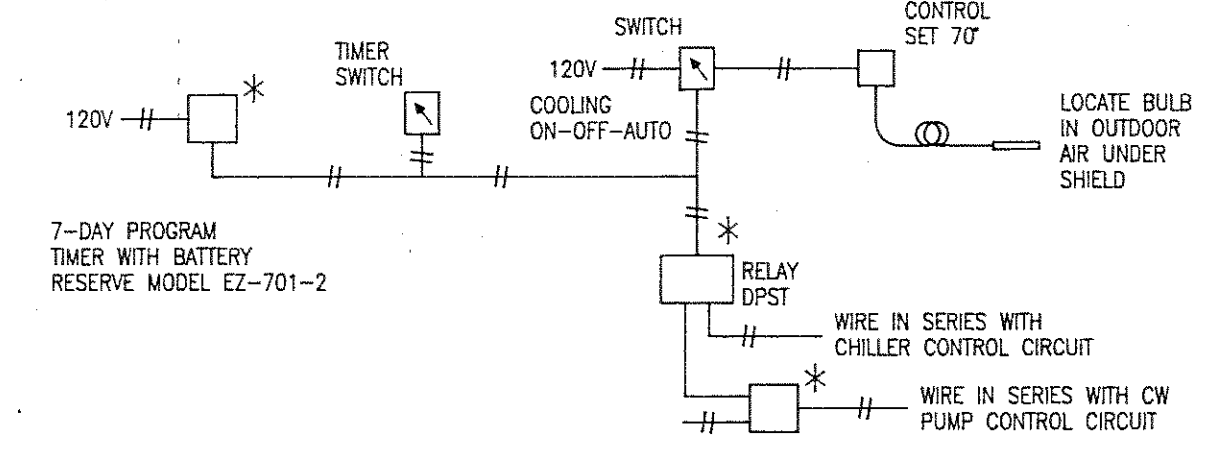
**AIR HANDLING UNIT AHU-3**  
 no (SHOPS) scale



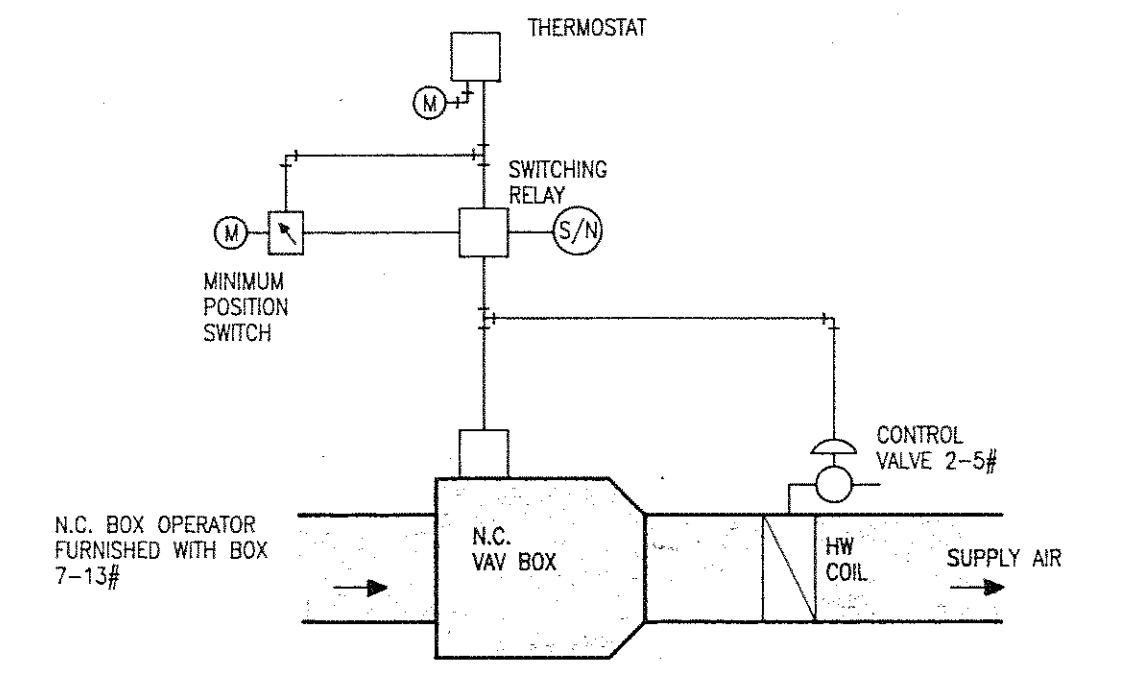
**AIR HANDLING UNIT AHU-8 CONTROL**  
 no scale



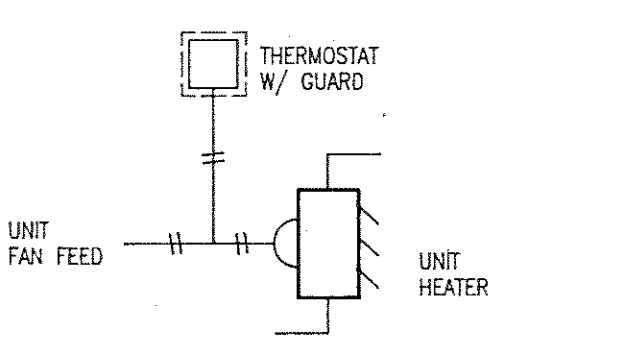
**BOILER ROOM VENTILATION CONTROL**  
 no scale



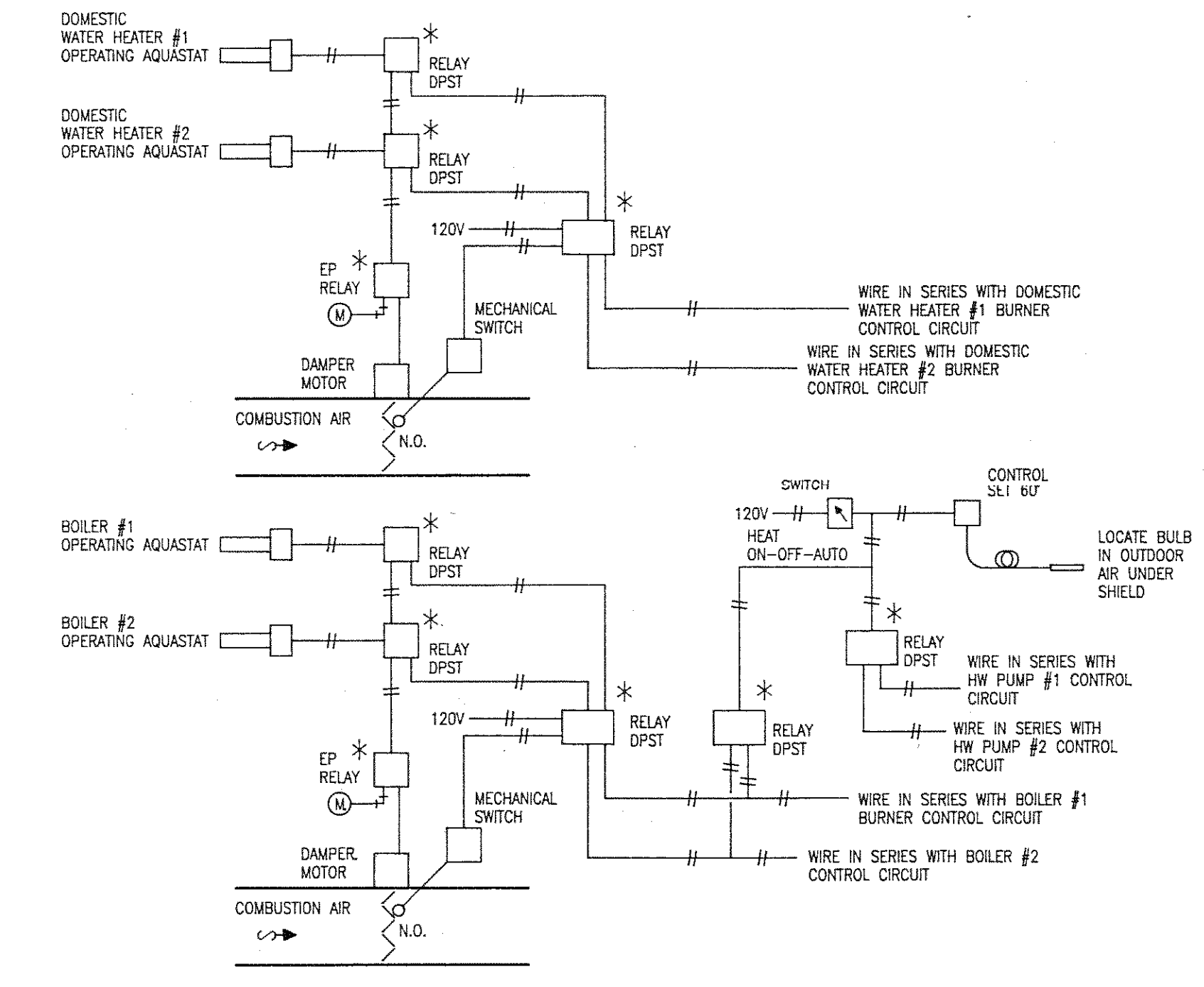
**CHILLER & CW PUMP CONTROL**  
 no scale



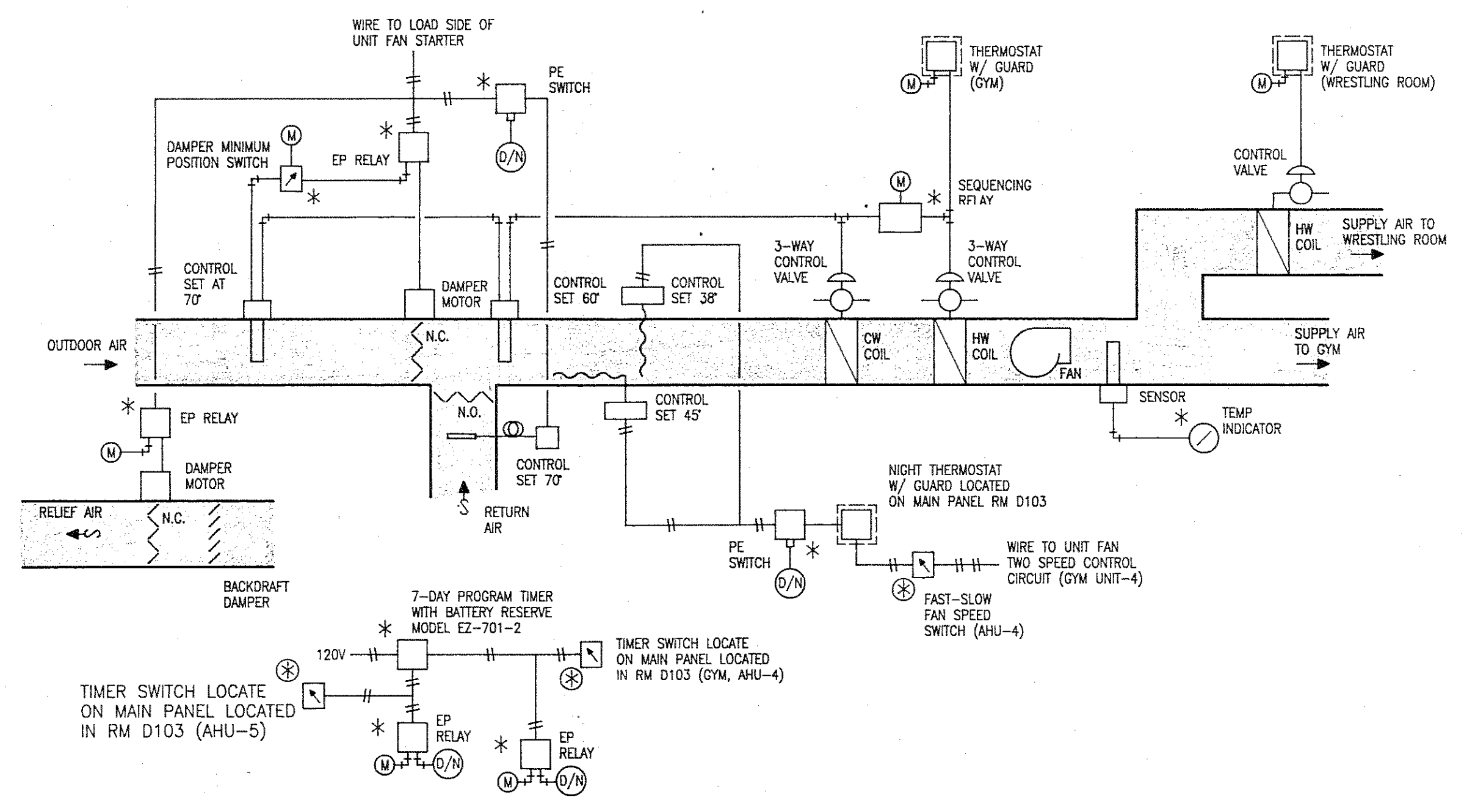
**VAV BOX WITH HW COIL CONTROL**  
 no scale



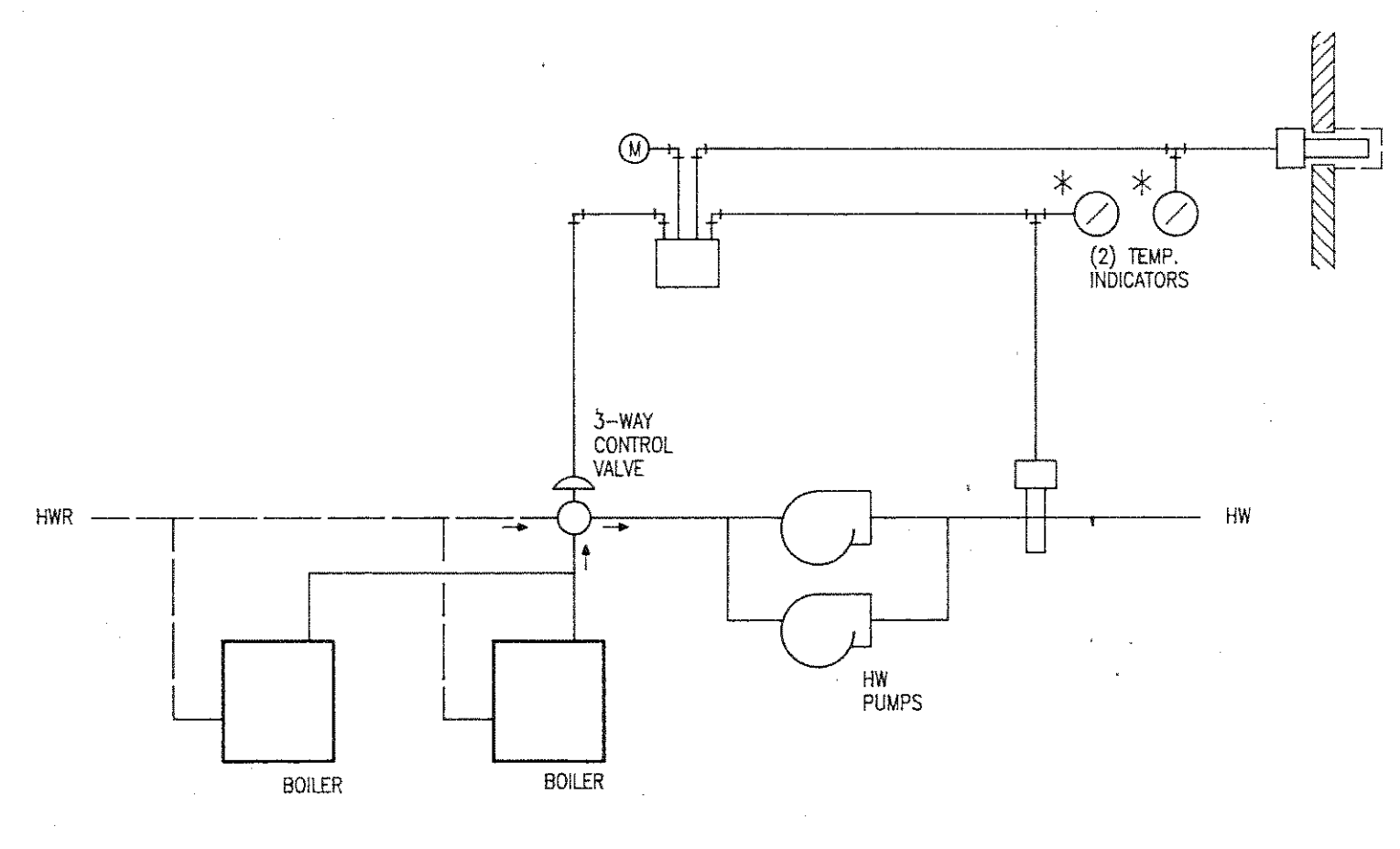
**UNIT HEATER CONTROL**  
 no (CAB UNIT SAME) scale



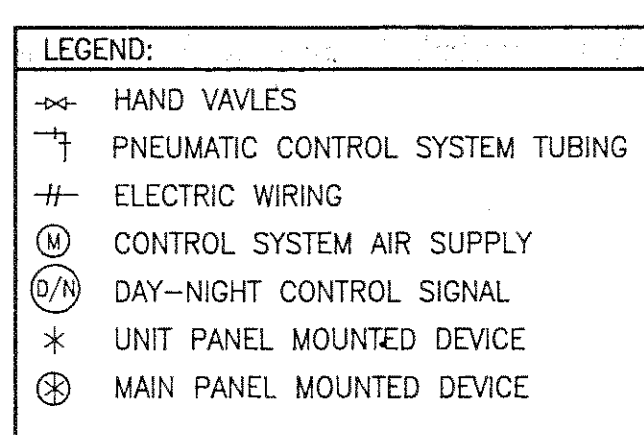
**COMBUSTION AIR DAMPER & HW PUMPS CONTROL**  
 no scale



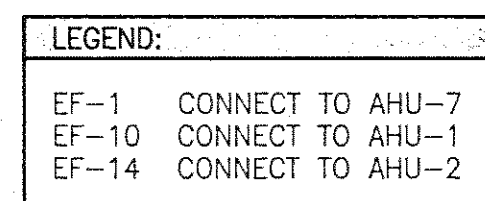
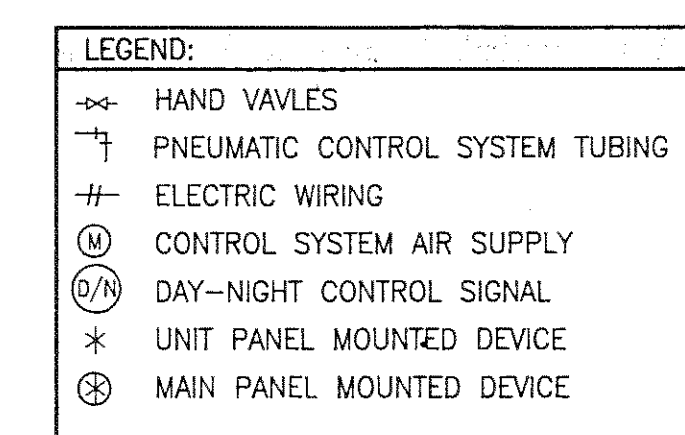
**AIR HANDLING UNIT AHU-4**  
 no (GYM) scale



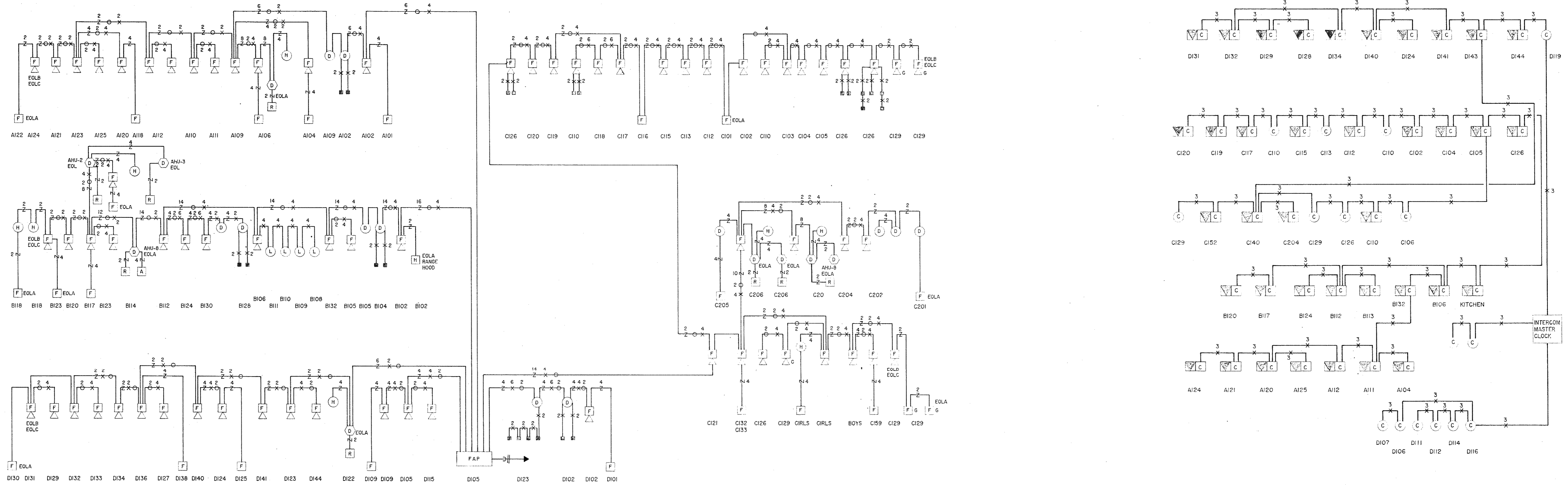
**HOT WATER SUPPLY TEMPERATURE RESET CONTROL**  
 no scale



**EXHAUST FAN CONTROL**  
 no scale

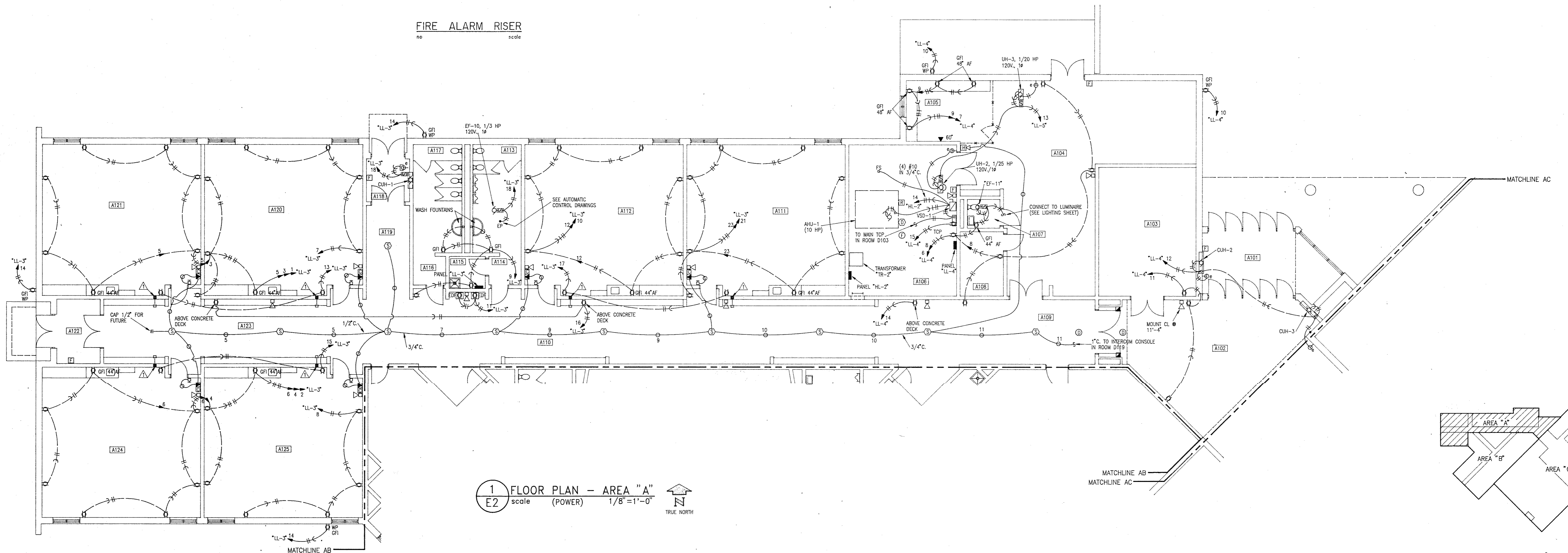


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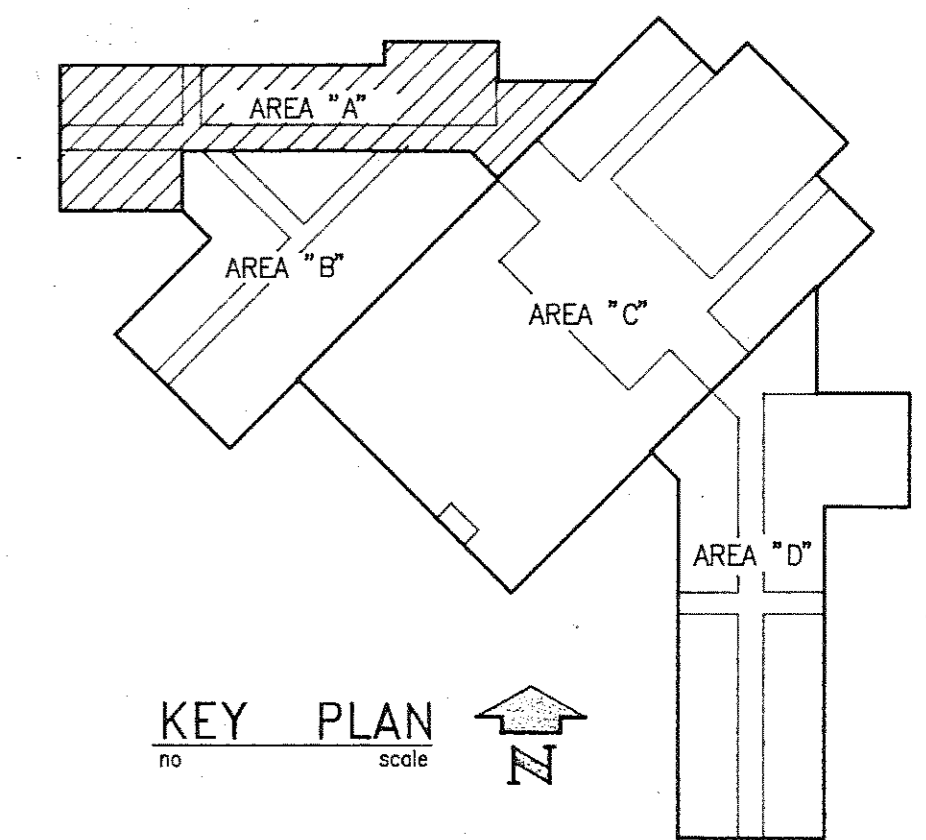


FIRE ALARM RISER  
no scale

CLOCK SPEAKER RISER  
no scale



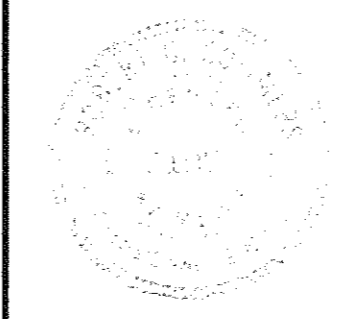
1 FLOOR PLAN - AREA "A"  
E2 scale (POWER) 1/8" = 1'-0"  
TRUE NORTH



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WAMEGO U.S.D. 320

FLOOR PLAN - AREA "A" - POWER

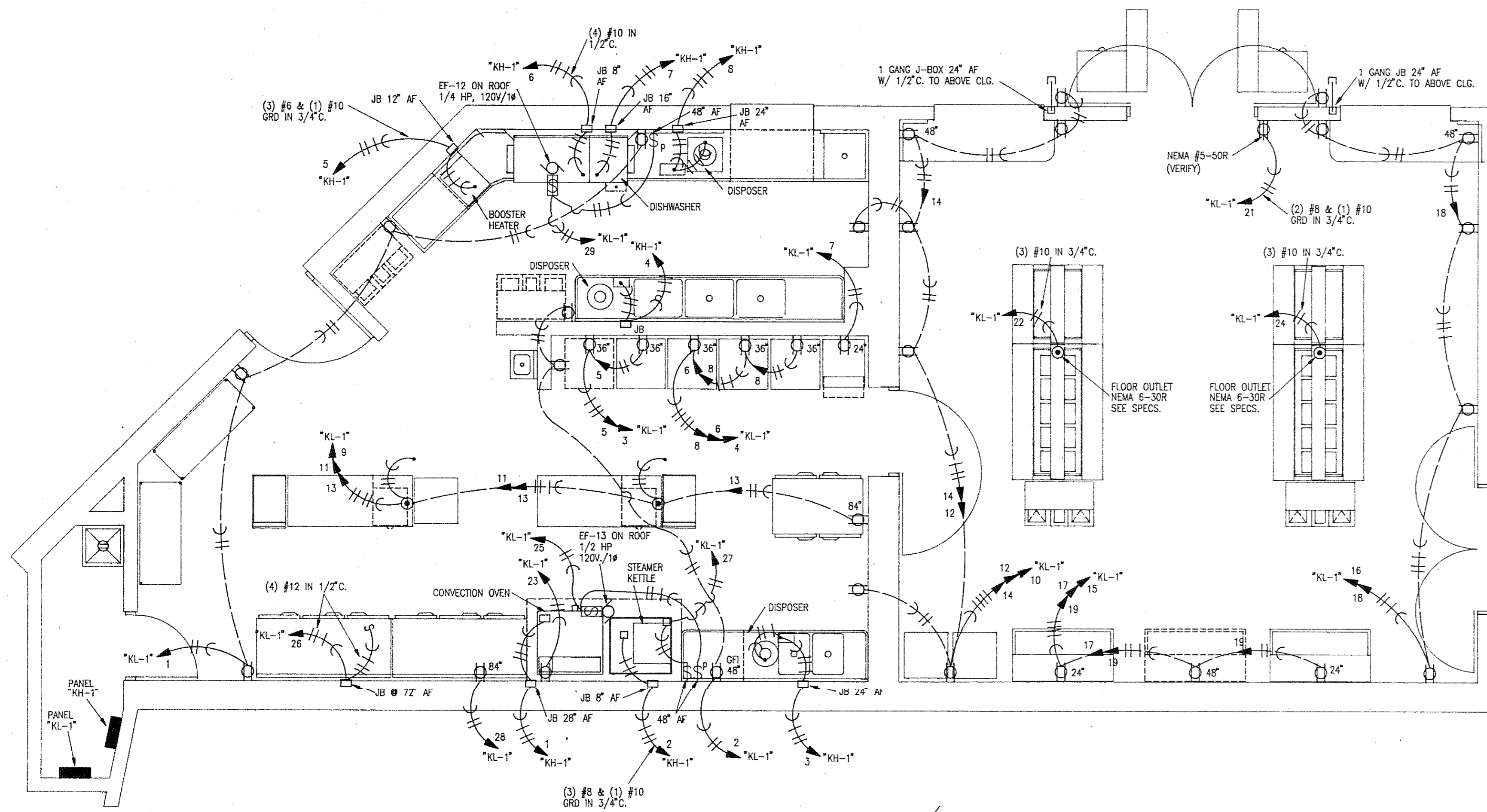


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TOPEKA  
INTERIOR ARCHITECTURE  
KANSAS

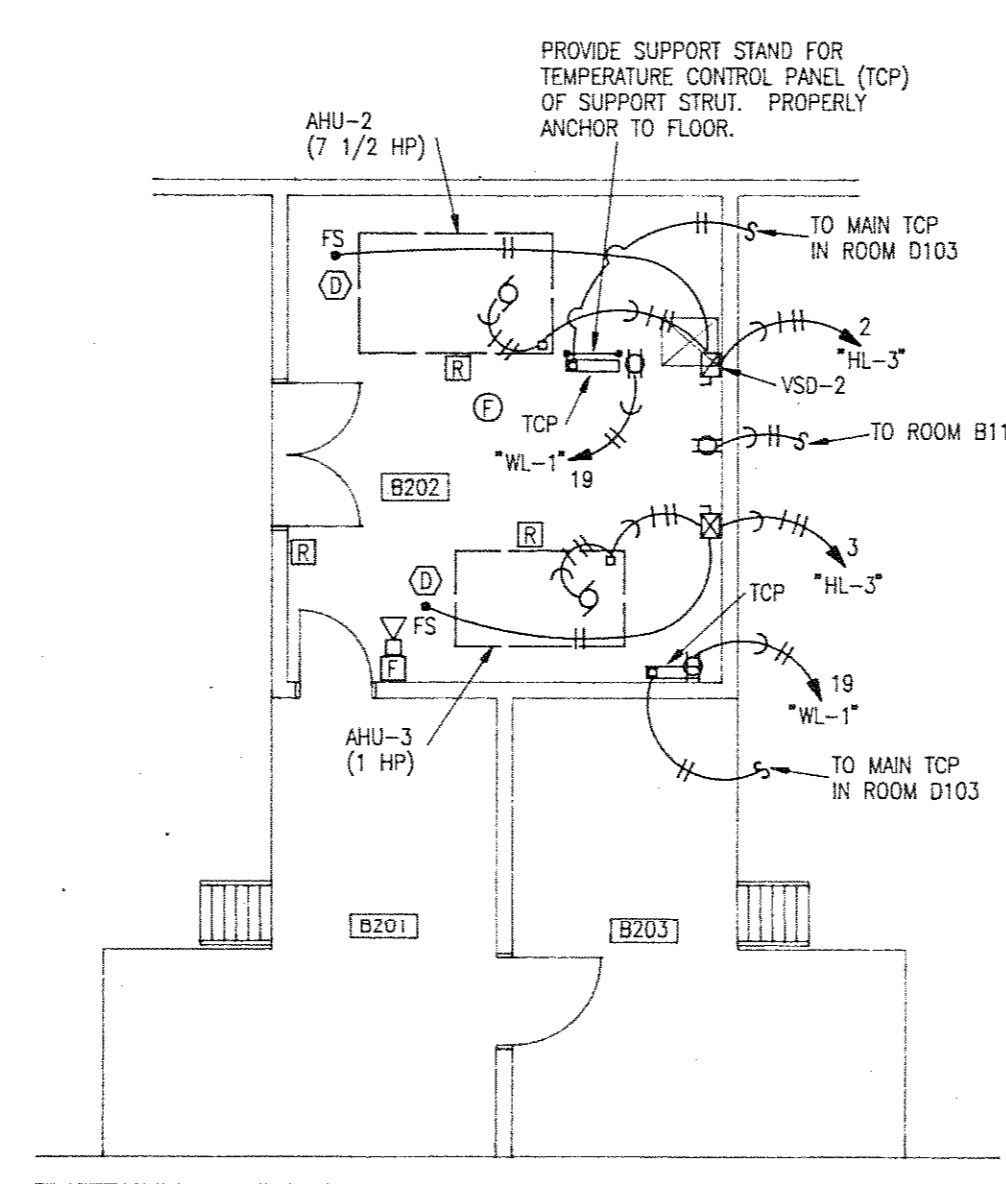


JOB NO. 89-36  
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REVISION

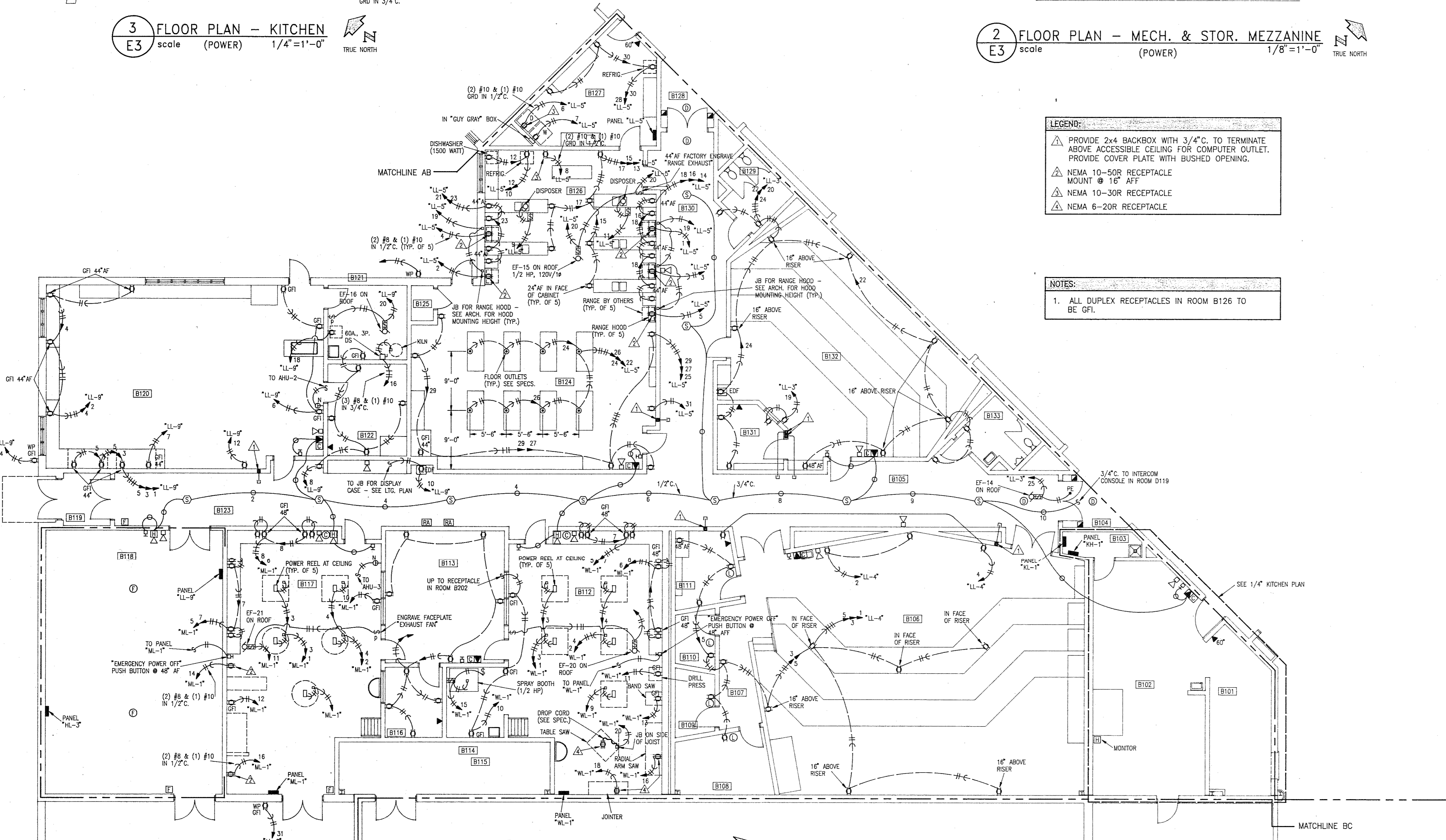
SHEET NO.  
E2



**3 FLOOR PLAN - KITCHEN**  
 E3 scale (POWER) 1/4"=1'-0" TRUE NORTH



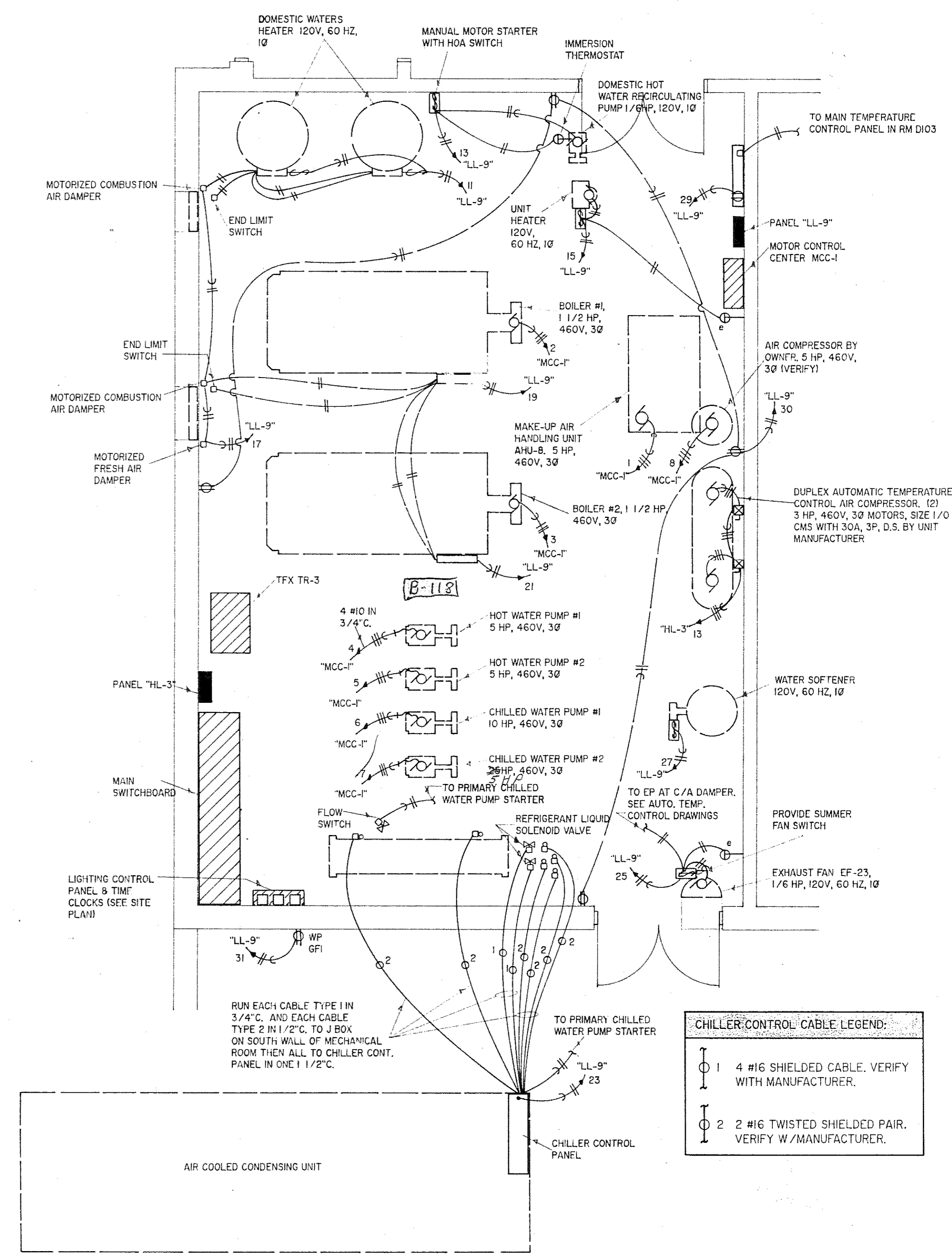
**2 FLOOR PLAN - MECH. & STOR. MEZZANINE**  
 E3 scale (POWER) 1/8"=1'-0" TRUE NORTH



**1 FLOOR PLAN - AREA "B"**  
 E3 scale (POWER) 1/8"=1'-0" TRUE NORTH

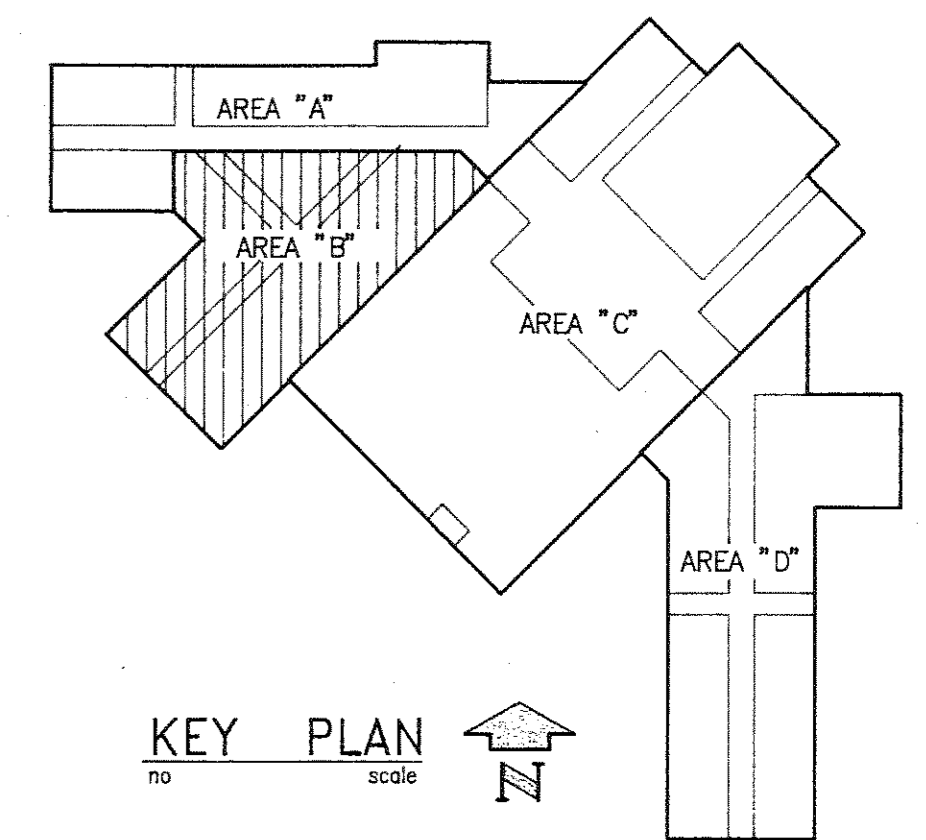
- LEGEND:**
- ▲ PROVIDE 2x4 BACKBOX WITH 3/4"C. TO TERMINATE ABOVE ACCESSIBLE CEILING FOR COMPUTER OUTLET. PROVIDE COVER PLATE WITH BUSHED OPENING.
  - ▲ NEMA 10-50R RECEPTACLE MOUNT @ 16" AFF
  - ▲ NEMA 10-30R RECEPTACLE
  - ▲ NEMA 6-20R RECEPTACLE

- NOTES:**
1. ALL DUPLEX RECEPTACLES IN ROOM B126 TO BE GFI.



**1/4" BOILER ROOM PLAN**

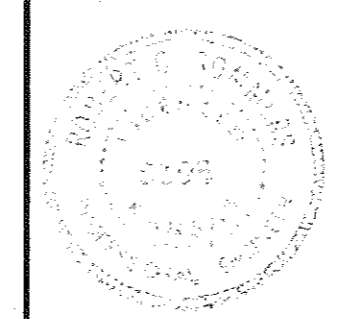
- CHILLER CONTROL CABLE LEGEND:**
- 1 4 #16 SHIELDED CABLE. VERIFY WITH MANUFACTURER.
  - 2 2 #16 TWISTED SHIELDED PAIR. VERIFY W/MANUFACTURER.



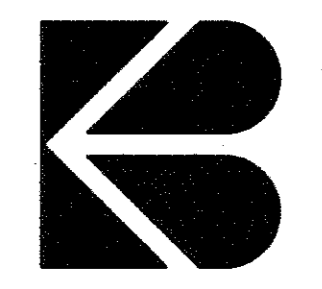
**LS & A** LATIMER SOMMERS & ASSOCIATES P.A., ENGINEERS  
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**MIDDLE SCHOOL  
 WAMEGO U.S.D. 320**

**ELECTRICAL POWER FLOOR PLAN - AREA "B"**

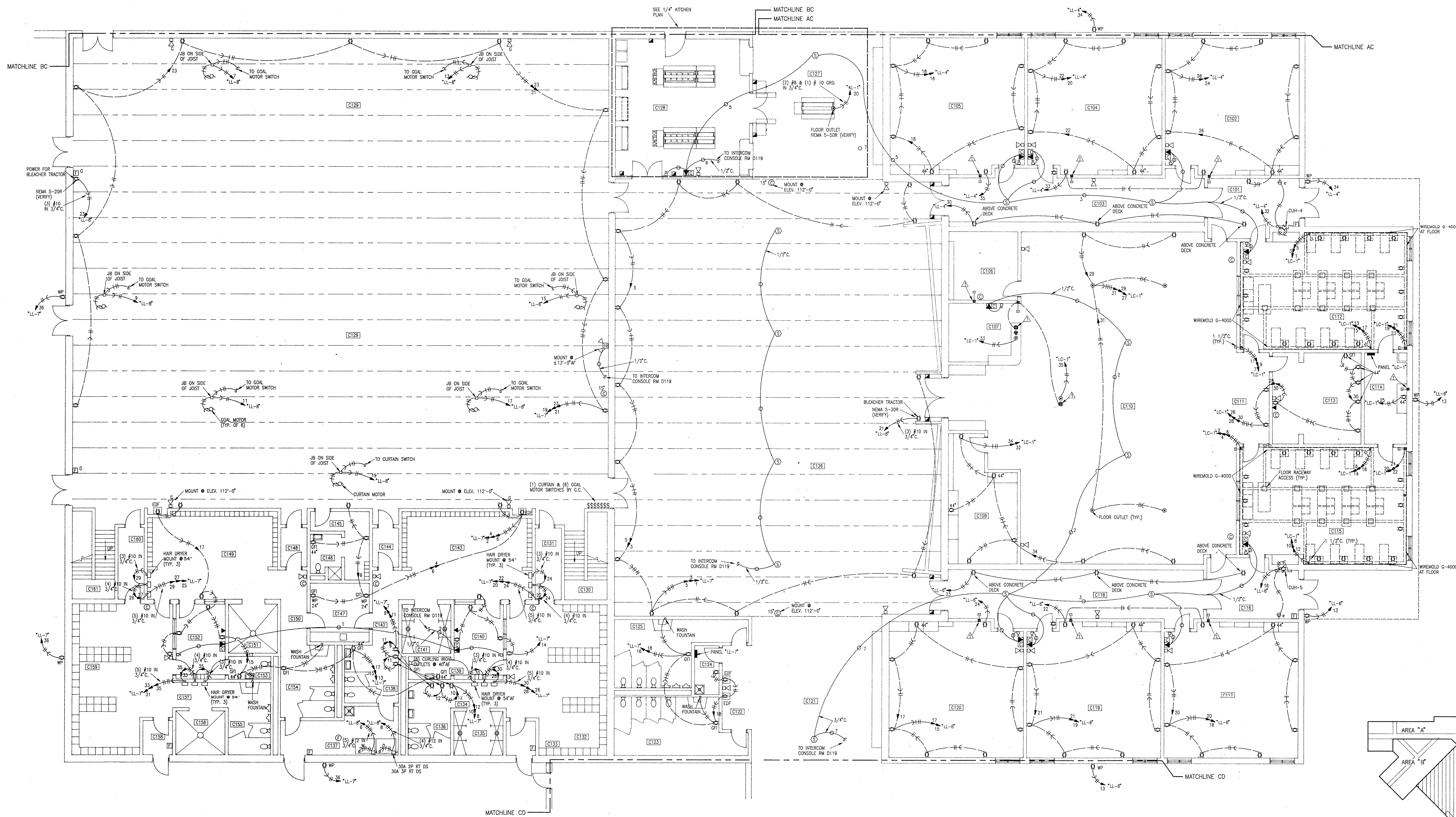


**KIENE & BRADLEY DESIGN GROUP · AIA**  
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 ARCHITECTS TOPEKA  
 INTERIOR ARCHITECTURE KANSAS

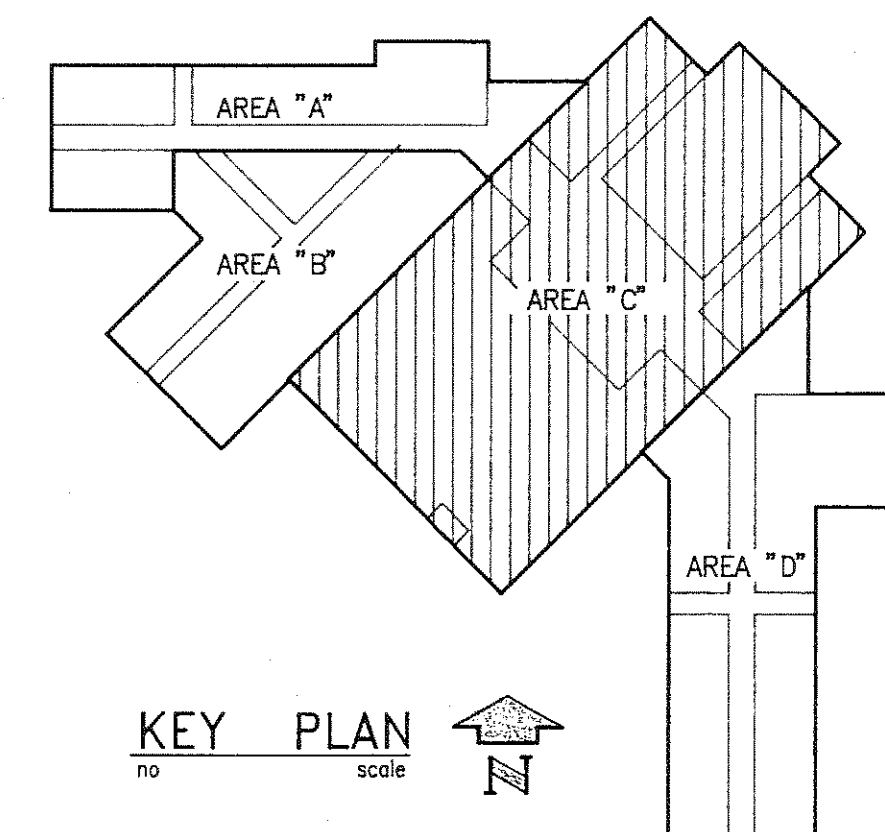


JOB NO. 89-361  
 DATE 4-8-91  
 REVISION

SHEET NO.  
**E3**



1 FLOOR PLAN - AREA "C"  
 scale (POWER) 1/8"=1'-0"  
 TRUE NORTH



KEY PLAN  
 scale

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MIDDLE SCHOOL  
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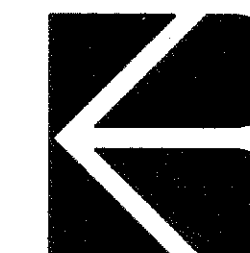
ELECTRICAL POWER FLOOR PLAN - AREA "C"



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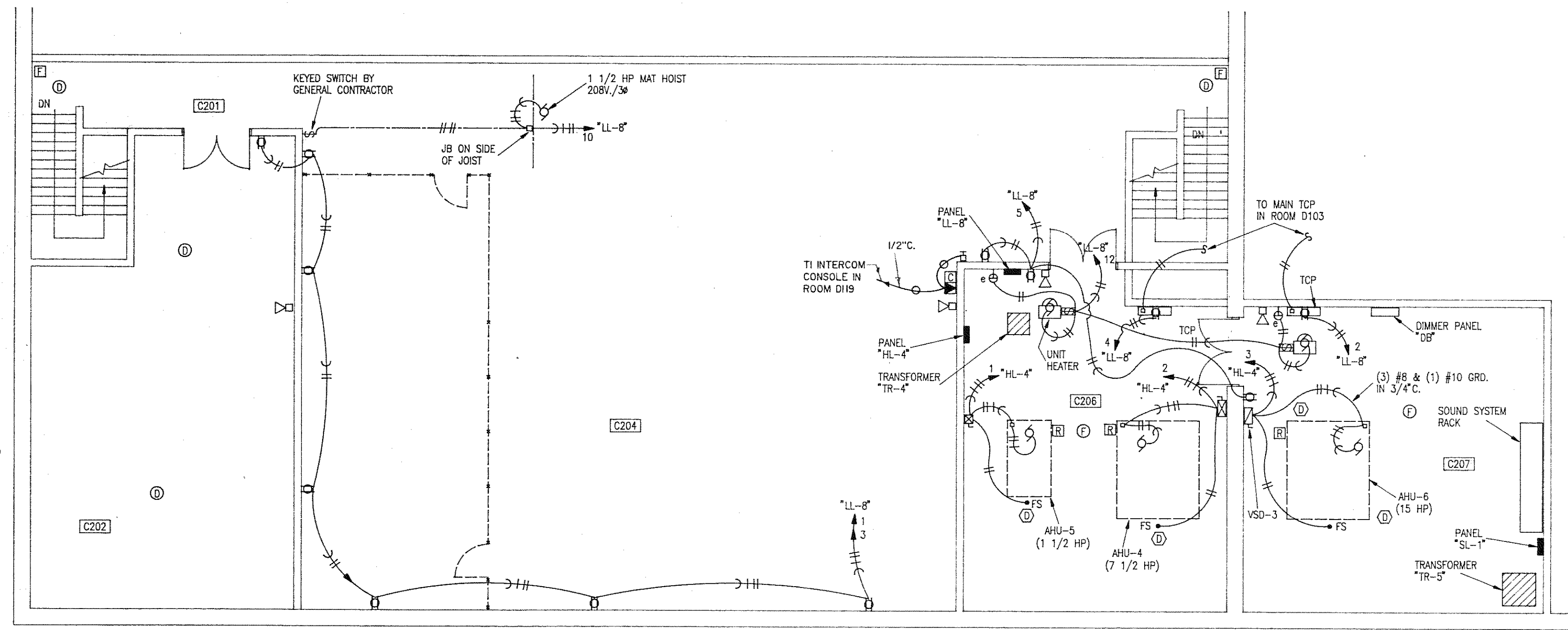
INTERIOR ARCHITECTURE  
 KANSAS



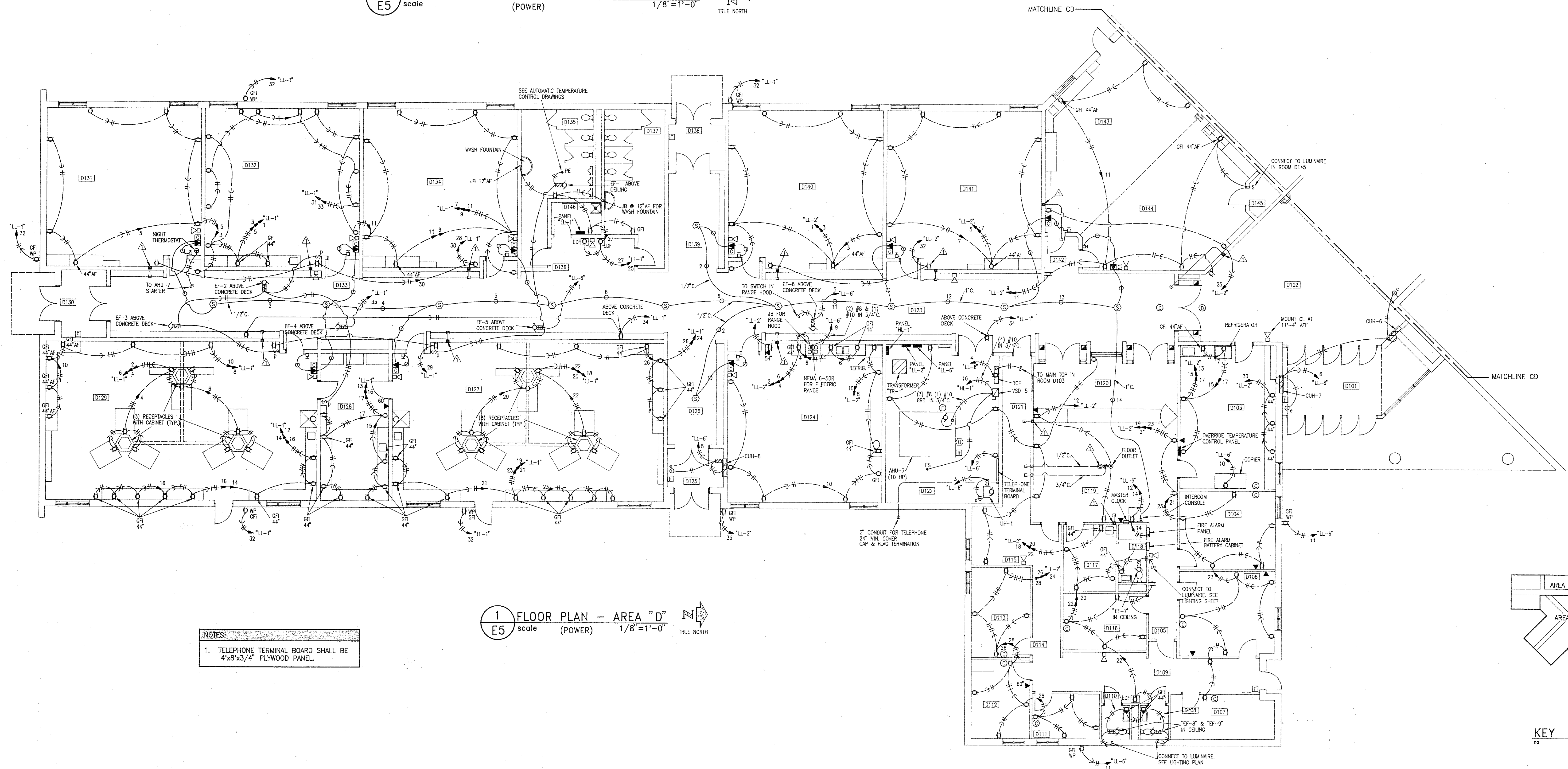
JOB NO. 89-36  
 DATE 4-8-91  
 REVISION

SHEET NO.

E4



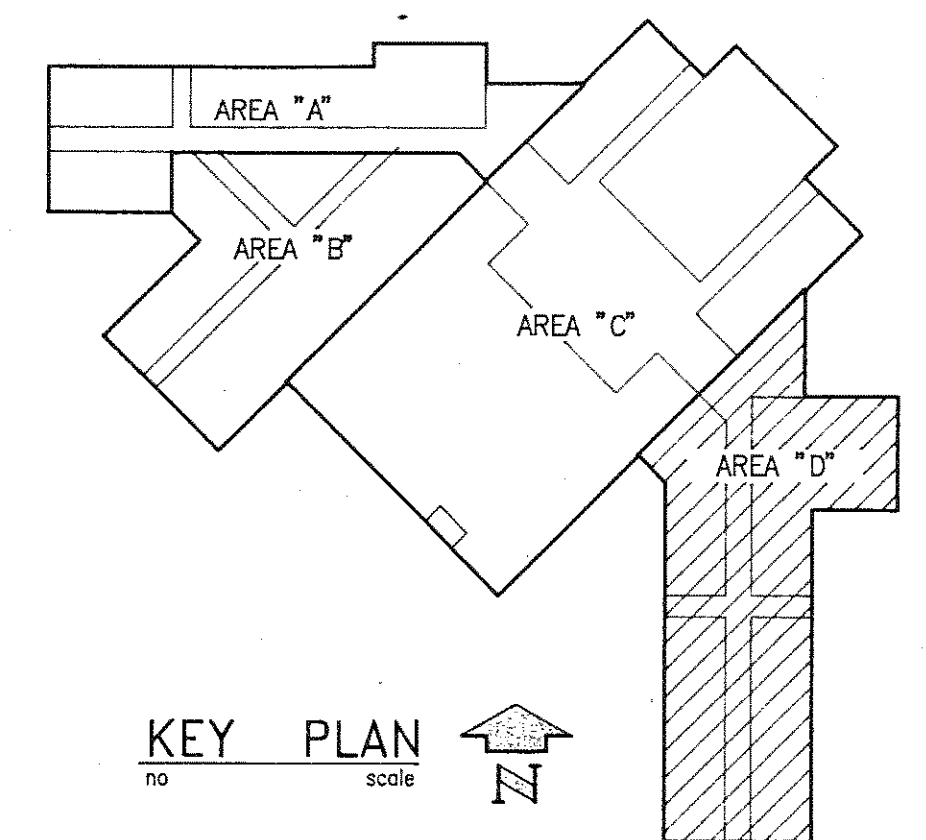
2 AREA "C" - INSTRUCTIONAL & MECH. MEZZANINE  
 E5 scale (POWER) 1/8"=1'-0"



1 FLOOR PLAN - AREA "D"  
 E5 scale (POWER) 1/8"=1'-0"



NOTES:  
 1. TELEPHONE TERMINAL BOARD SHALL BE 4"x8"x3/4" PLYWOOD PANEL.



KEY PLAN  
 no scale

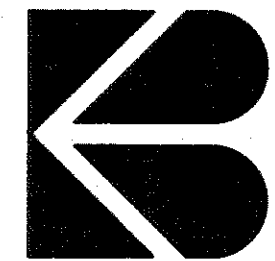
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MIDDLE SCHOOL  
 WAMEGO U.S.D. 320

ELECTRICAL POWER FLOOR PLAN - AREA "D"

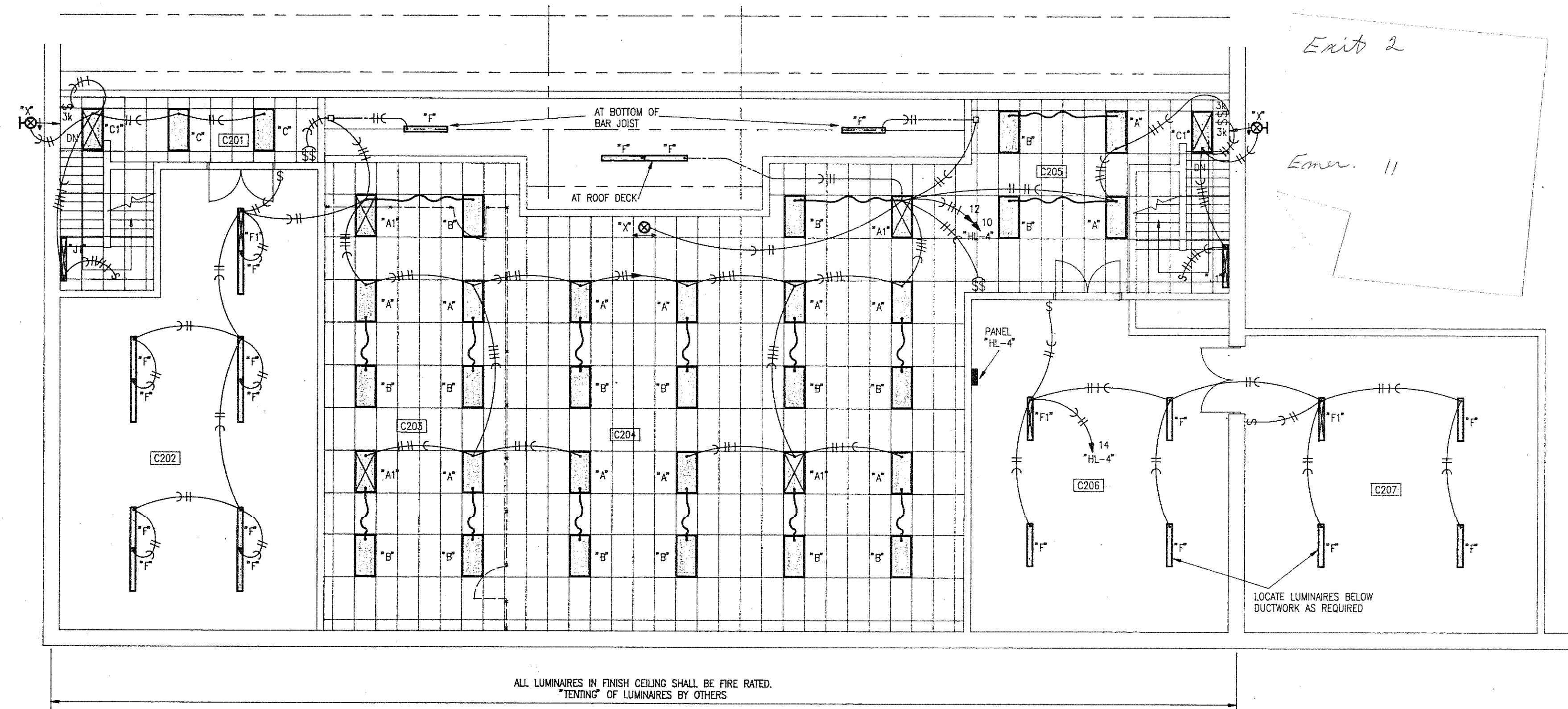


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 ARCHITECTS  
 TOPEKA  
 INTERIOR ARCHITECTURE  
 KANSAS

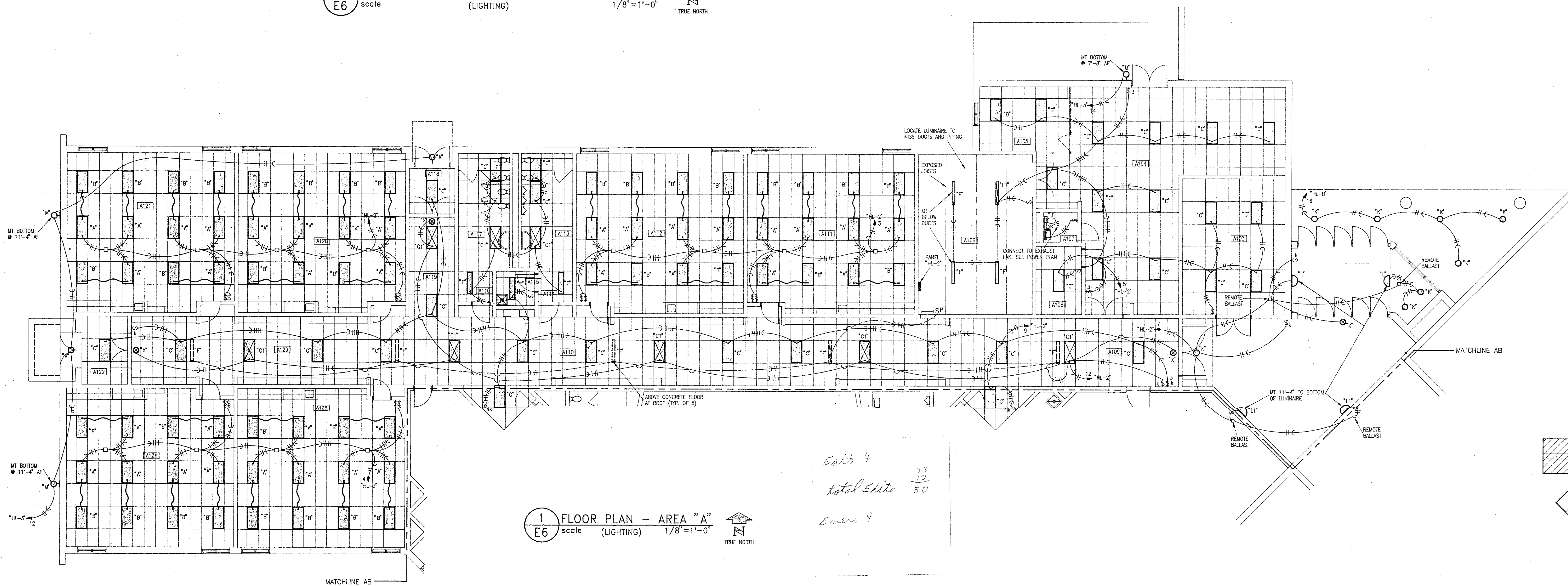


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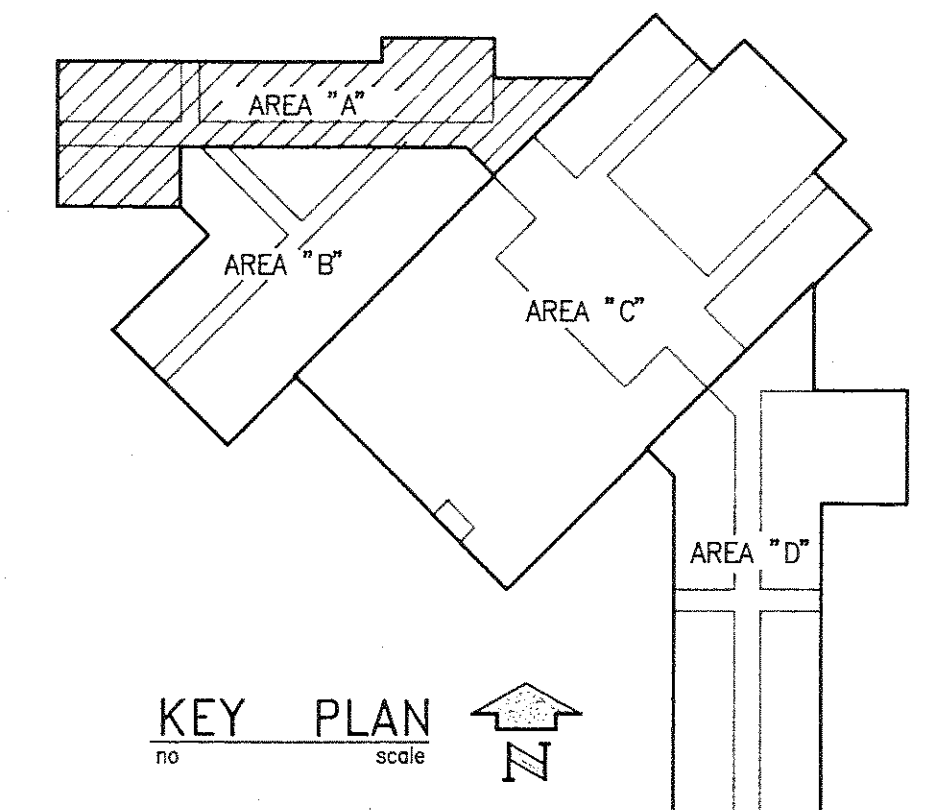
SHEET NO.  
 E5



1 AREA "C" - INSTRUCTIONAL & MECH. MEZZANINE  
 E6 scale (LIGHTING) 1/8" = 1'-0" TRUE NORTH



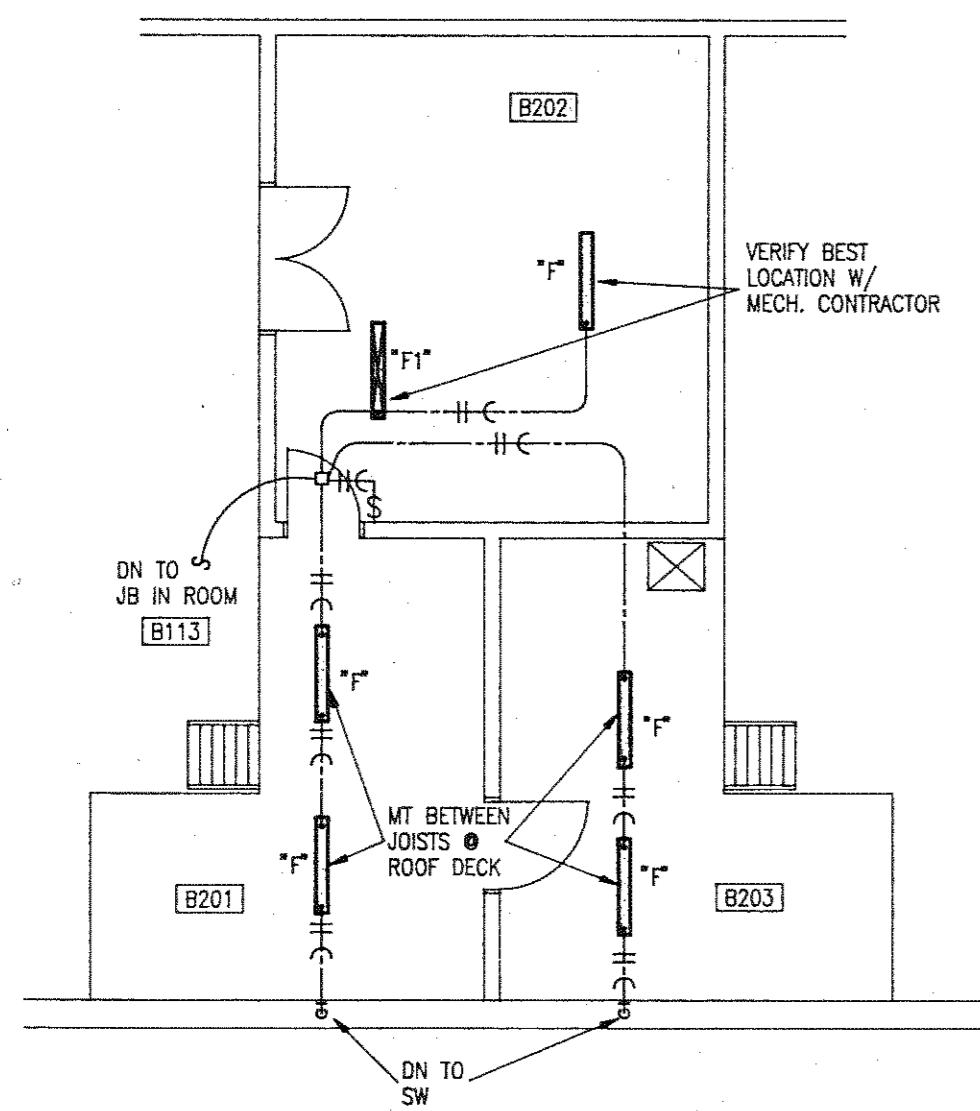
1 FLOOR PLAN - AREA "A"  
 E6 scale (LIGHTING) 1/8" = 1'-0" TRUE NORTH



LS & A LATIMER SOMMERS & ASSOCIATES P.A., ENGINEERS  
 634 HARRISON, SUITE A • TOPEKA, KS. 66603-3774  
 (913) 233-3232

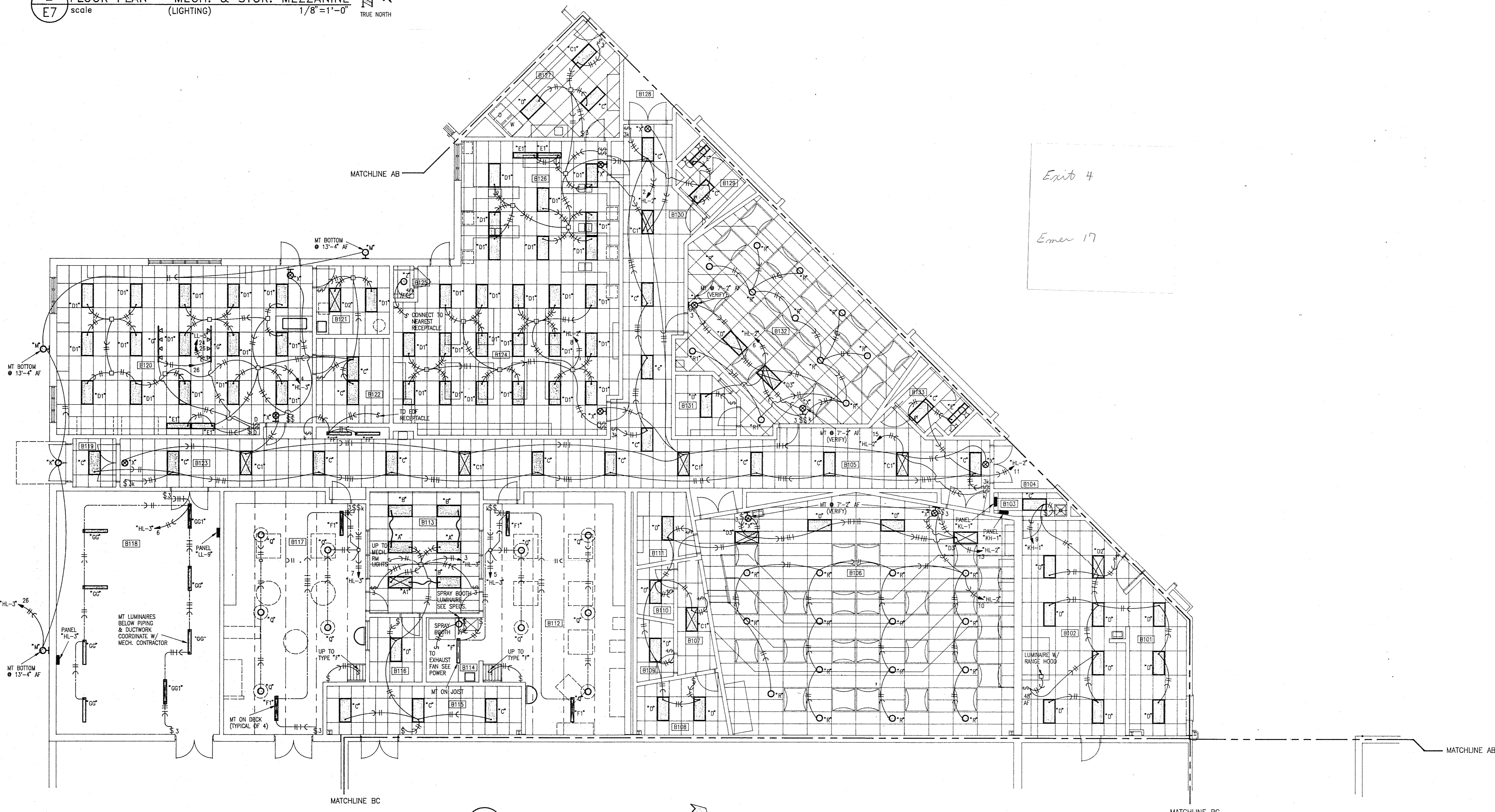
<p>MIDDLE SCHOOL          WAMEGO U.S.D. 320</p>	<p>ELECTRICAL LIGHTING PLAN - AREA "A"</p>		<p>KIENE &amp; BRADLEY DESIGN GROUP · AIA          CHARTERED          ARCHITECTS          TOPEKA          INTERIOR ARCHITECTURE          KANSAS</p>	<p>JOB NO. 89-36          DATE 4-8-91          REVISION          SHEET NO. E6</p>
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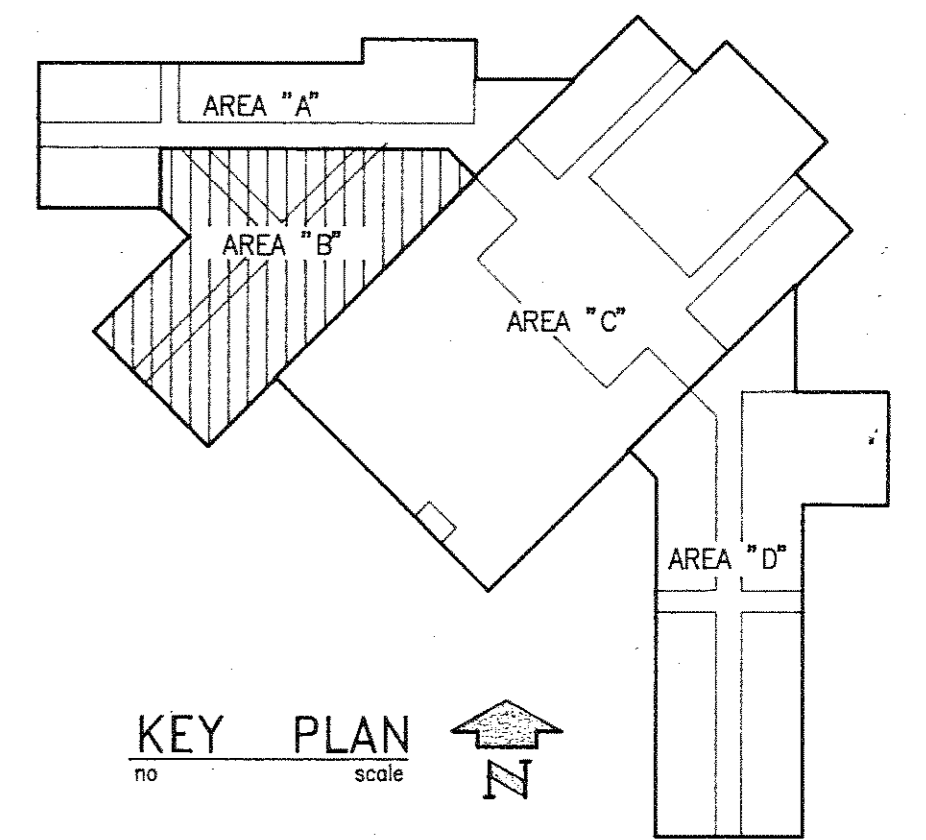


**2 FLOOR PLAN - MECH. & STOR. MEZZANINE**  
 E7 scale (LIGHTING) 1/8"=1'-0" TRUE NORTH

Exhib 4  
 Emer 17



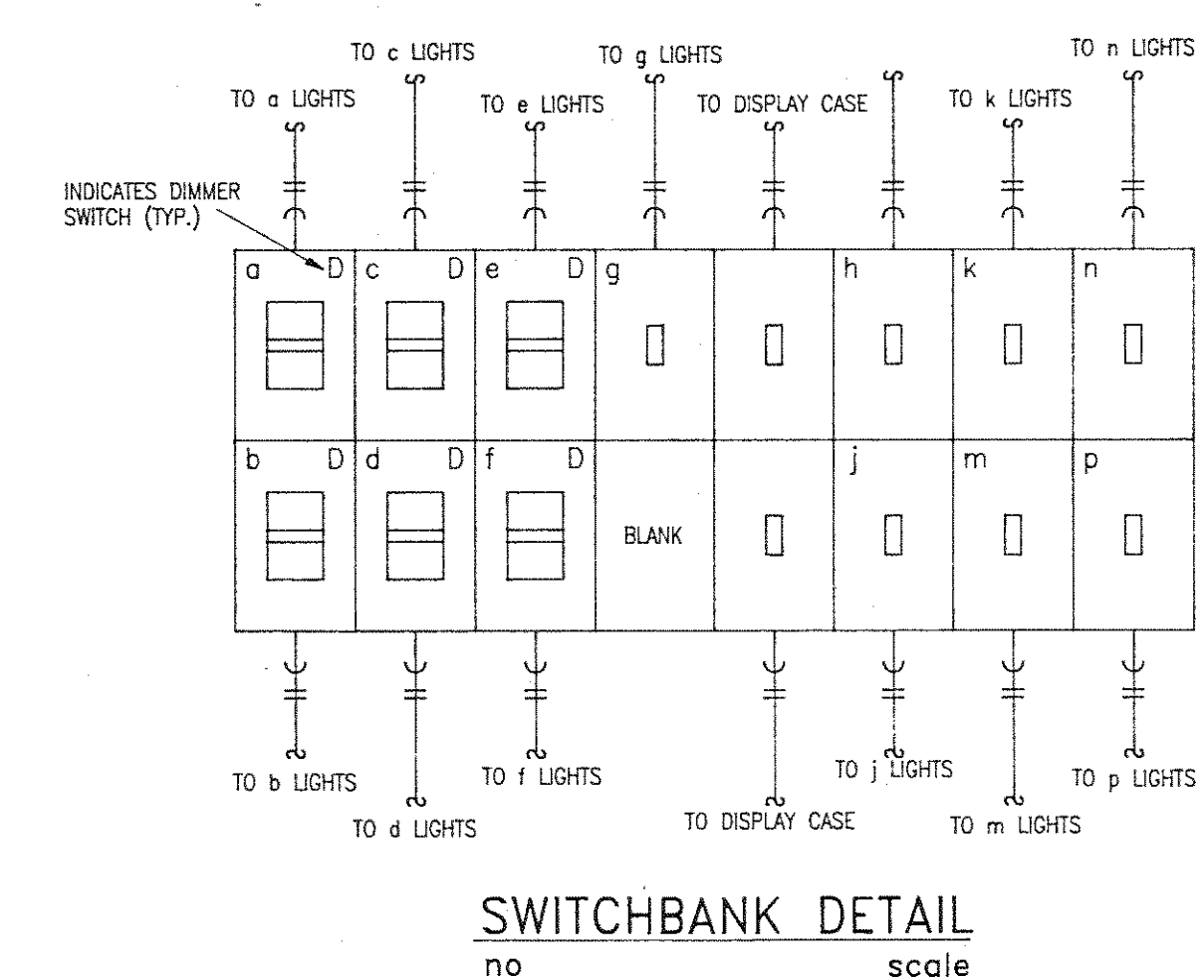
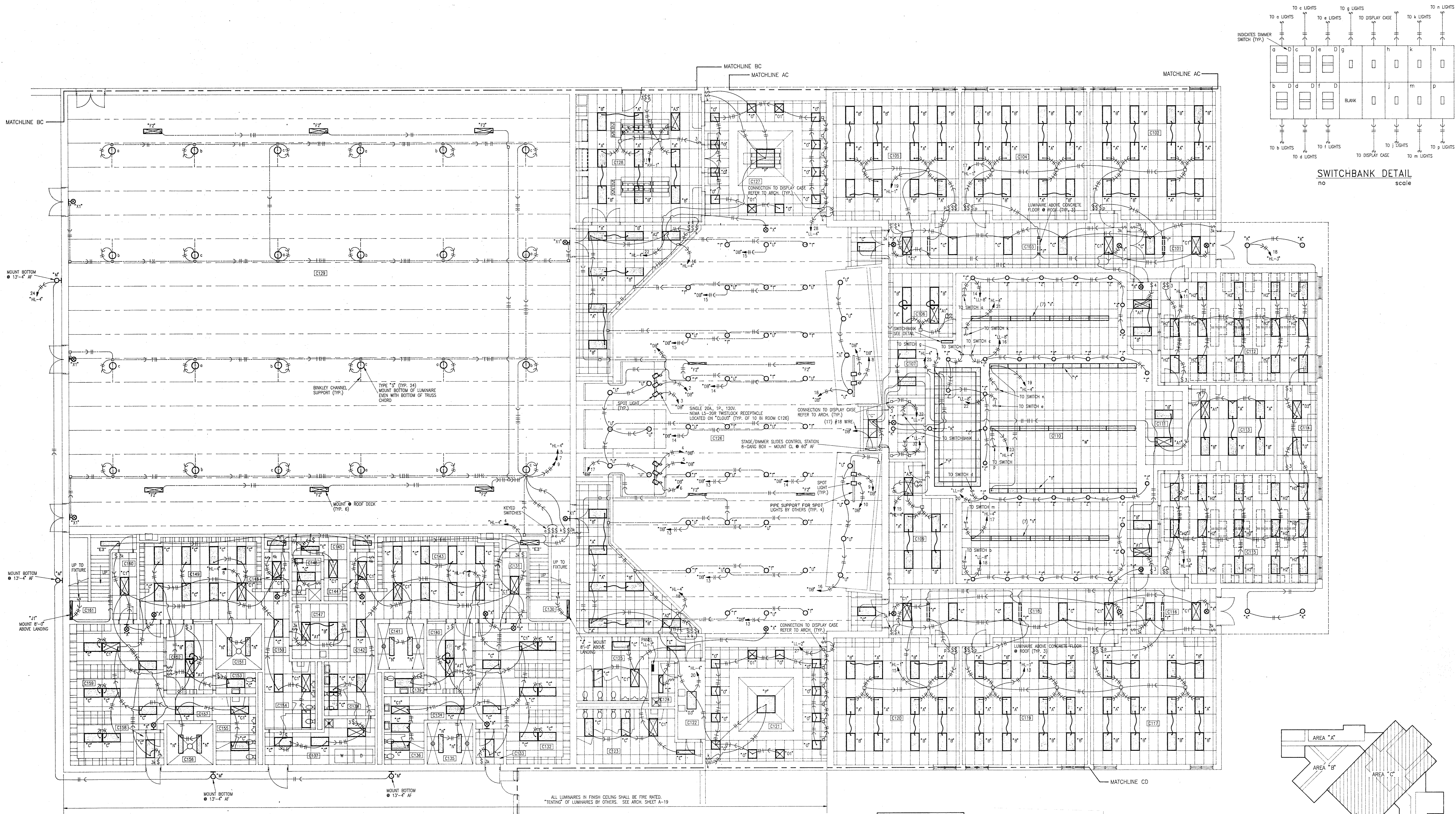
**1 FLOOR PLAN - AREA "B"**  
 E7 scale (LIGHTING) 1/8"=1'-0" TRUE NORTH



KEY PLAN scale TRUE NORTH

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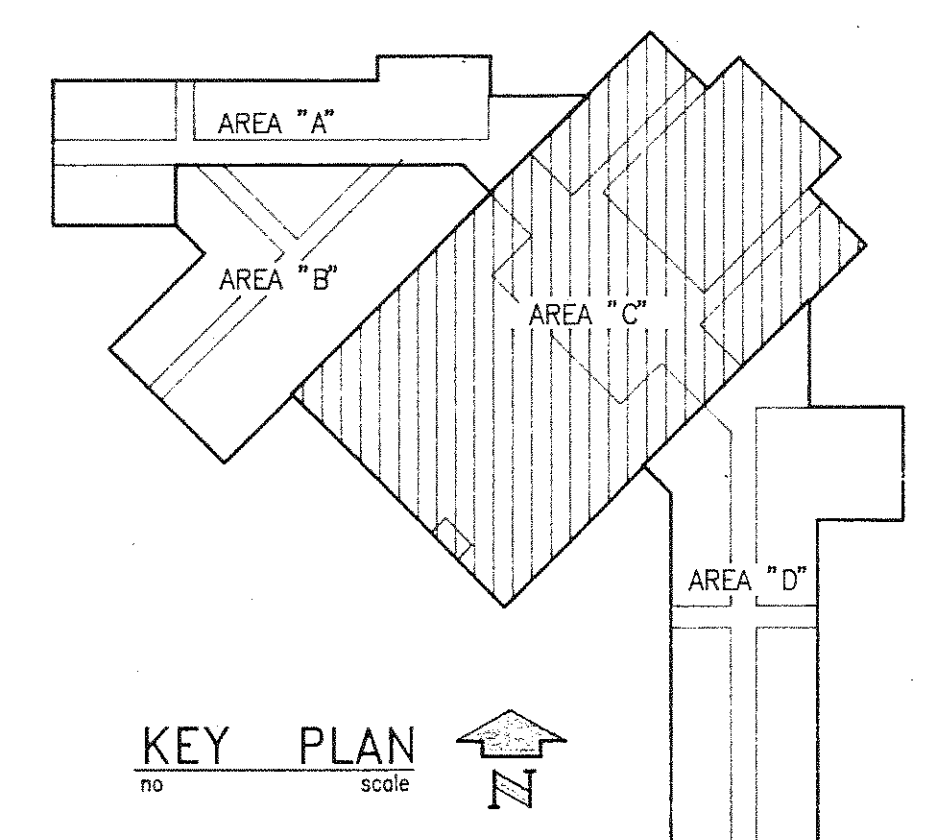
<p><b>MIDDLE SCHOOL        WAMEGO U.S.D. 320</b></p>	<p><b>ELECTRICAL LIGHTING PLAN - AREA "B"</b></p>		<p><b>KIENE &amp; BRADLEY DESIGN GROUP · AIA</b>        CHARTERED        ARCHITECTS        TOPEKA</p> <p><b>INTERIOR ARCHITECTURE        KANSAS</b></p>		<p>JOB NO. 69-36        DATE 4-8-91        REVISION</p> <p>SHEET NO.  <b>E7</b></p>
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1 FLOOR PLAN - AREA "C"  
 E8 scale (LIGHTING) 1/8" = 1'-0"  
 TRUE NORTH

NOTE:  
 CIRCUITS 11 AND 12 IN DIMMER BOARD ARE SPARES.

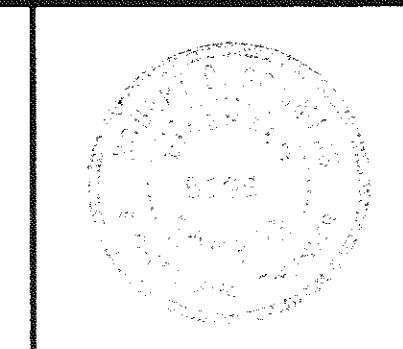
*Exit 16*  
*Emer. 46*



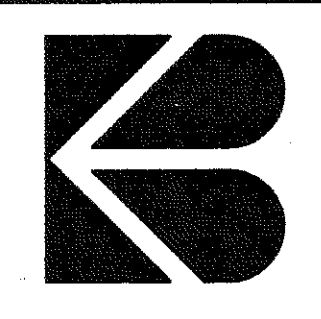
ALL LUMINAIRES IN FINISH CEILING SHALL BE FIRE RATED. "TESTING" OF LUMINAIRES BY OTHERS. SEE ARCH. SHEET A-19

MIDDLE SCHOOL  
 WAMEGO U.S.D. 320

ELECTRICAL LIGHTING PLAN - AREA "C"



KIENE & BRADLEY DESIGN GROUP · AIA  
 CHARTERED  
 ARCHITECTS  
 TOPEKA  
 INTERIOR ARCHITECTURE  
 KANSAS



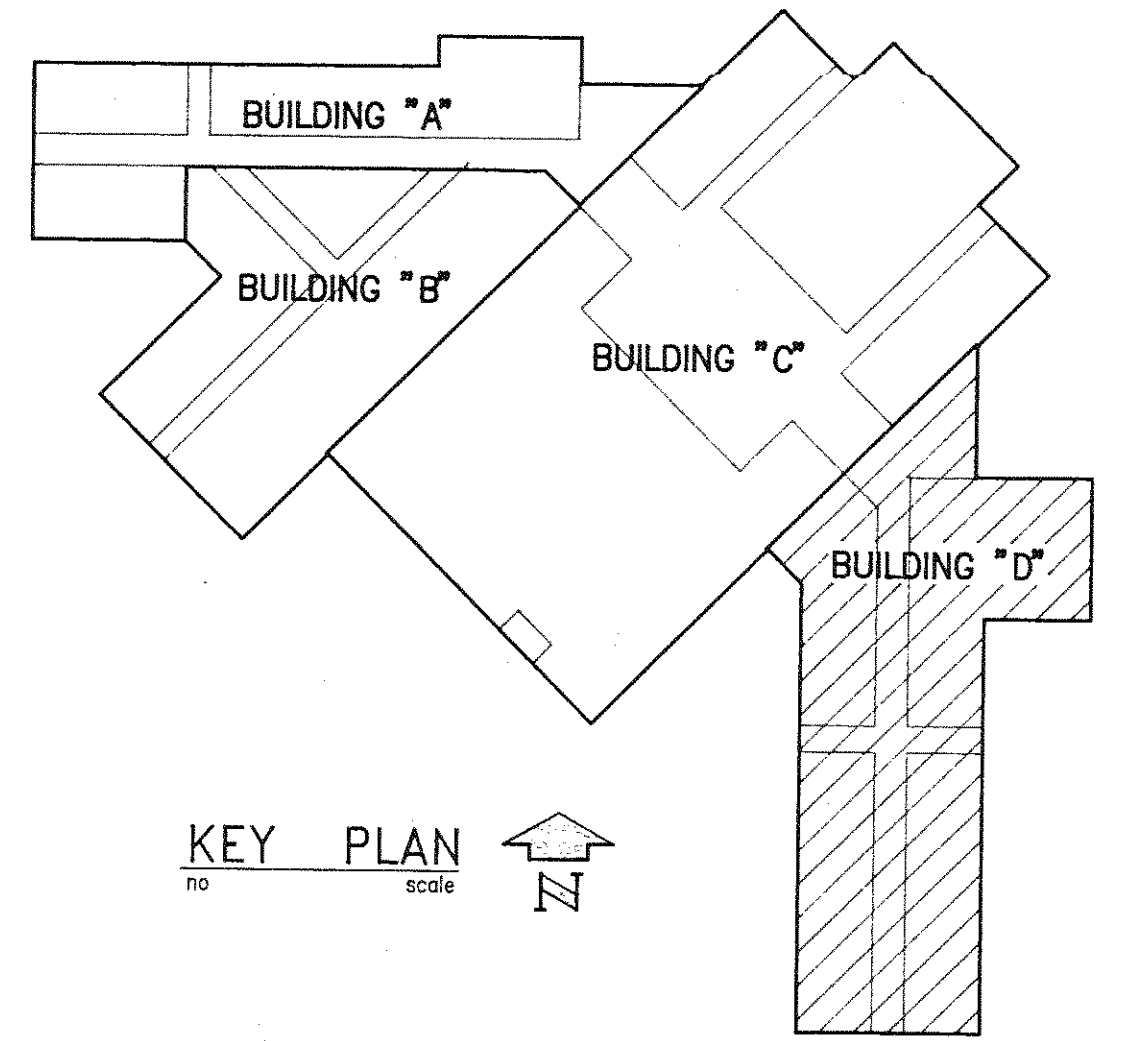
JOB NO. 89-36  
 DATE 4-8-91  
 REVISION  
 SHEET NO. E8

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 (913) 233-9229



1 FLOOR PLAN - AREA "D"  
 E9 scale (LIGHTING) 1/8" = 1'-0" TRUE NORTH

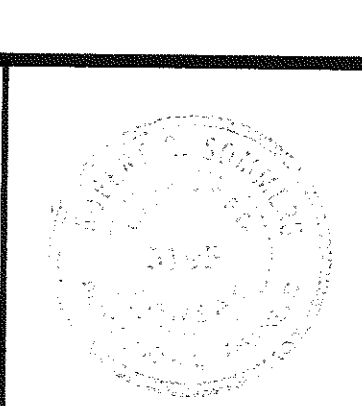
Exhib 7  
 Emer. 18



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MIDDLE SCHOOL  
 WAMEGO U.S.D. 320

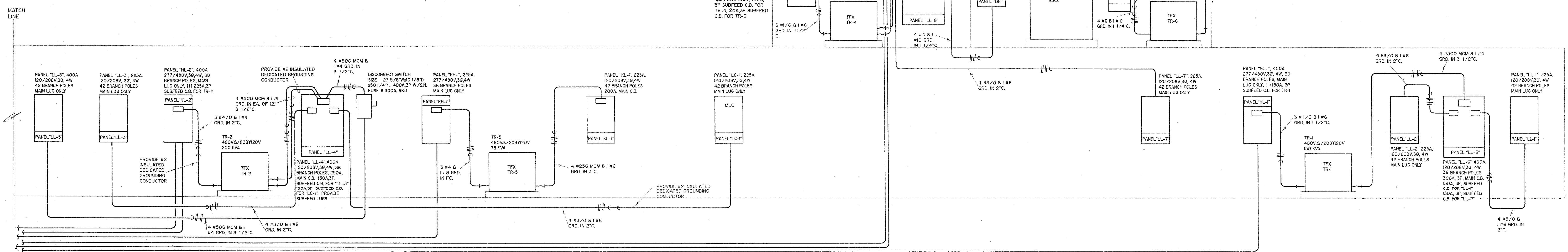
ELECTRICAL LIGHTING PLAN - AREA "D"



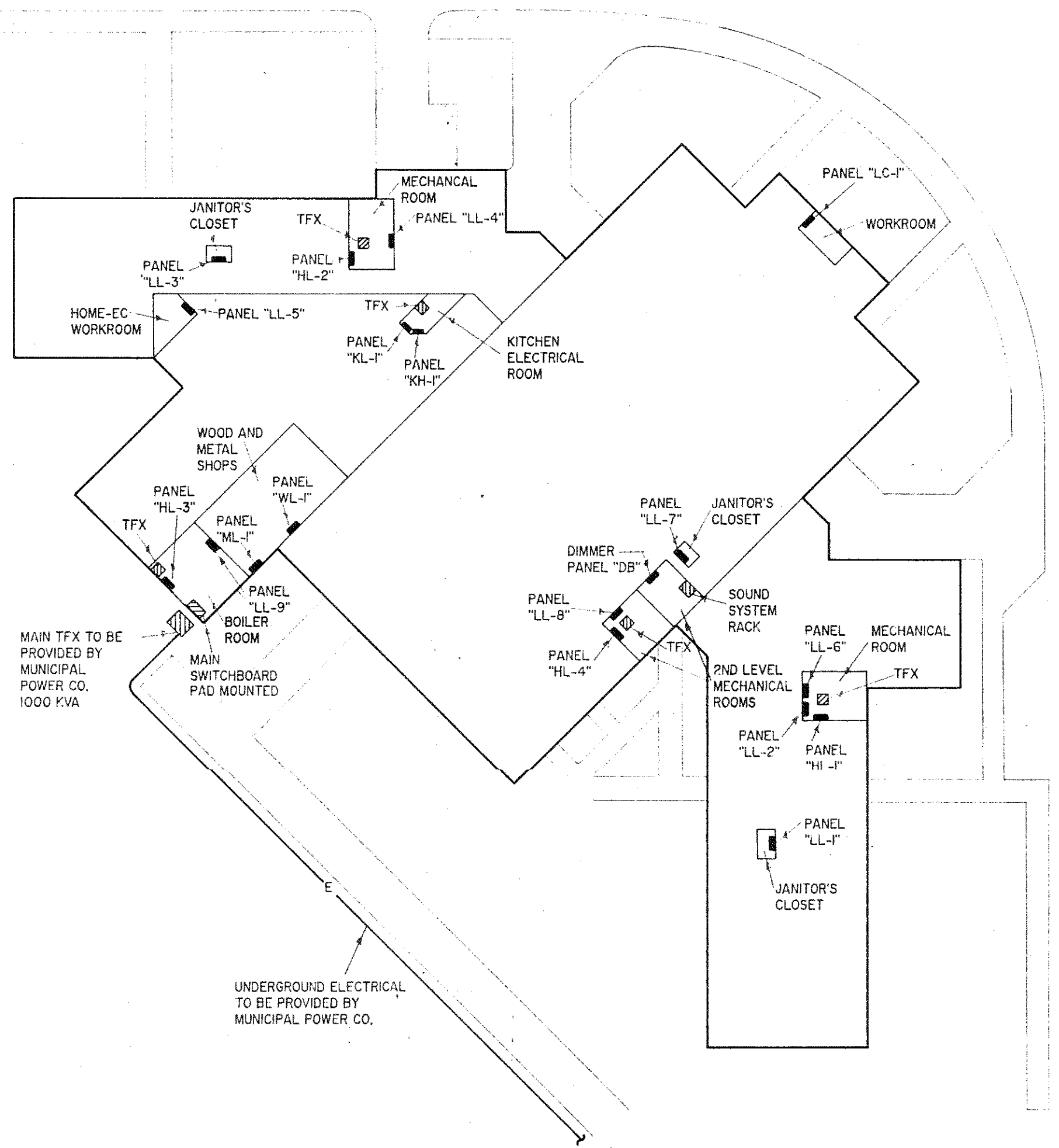
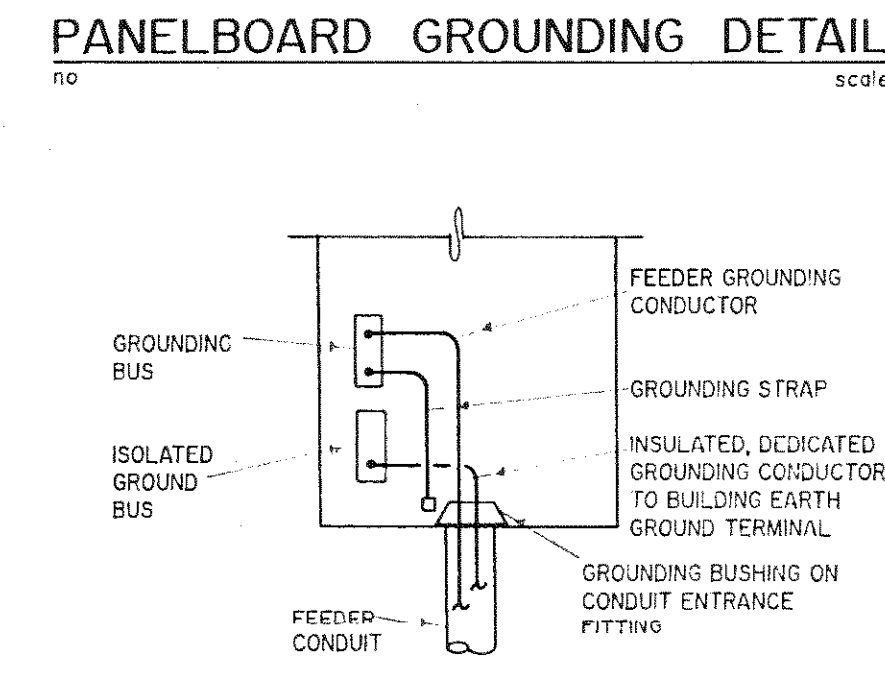
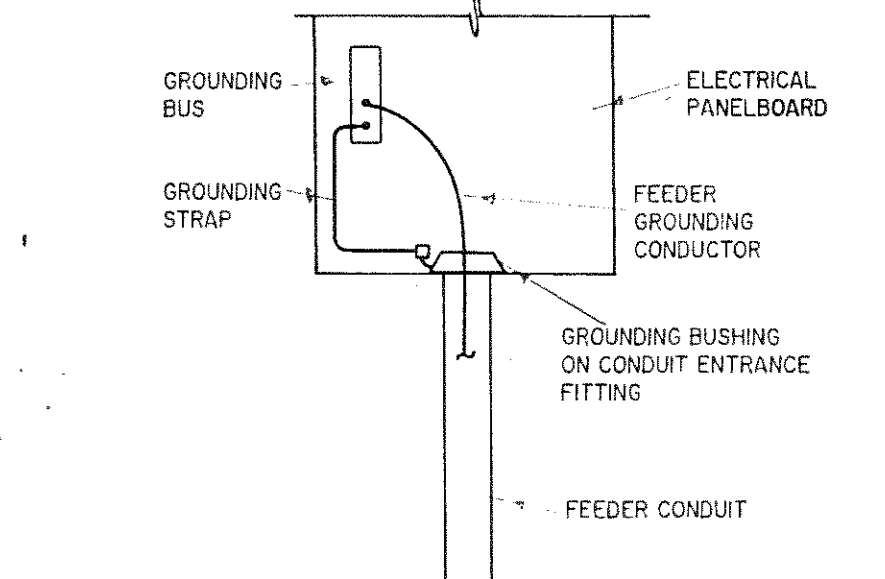
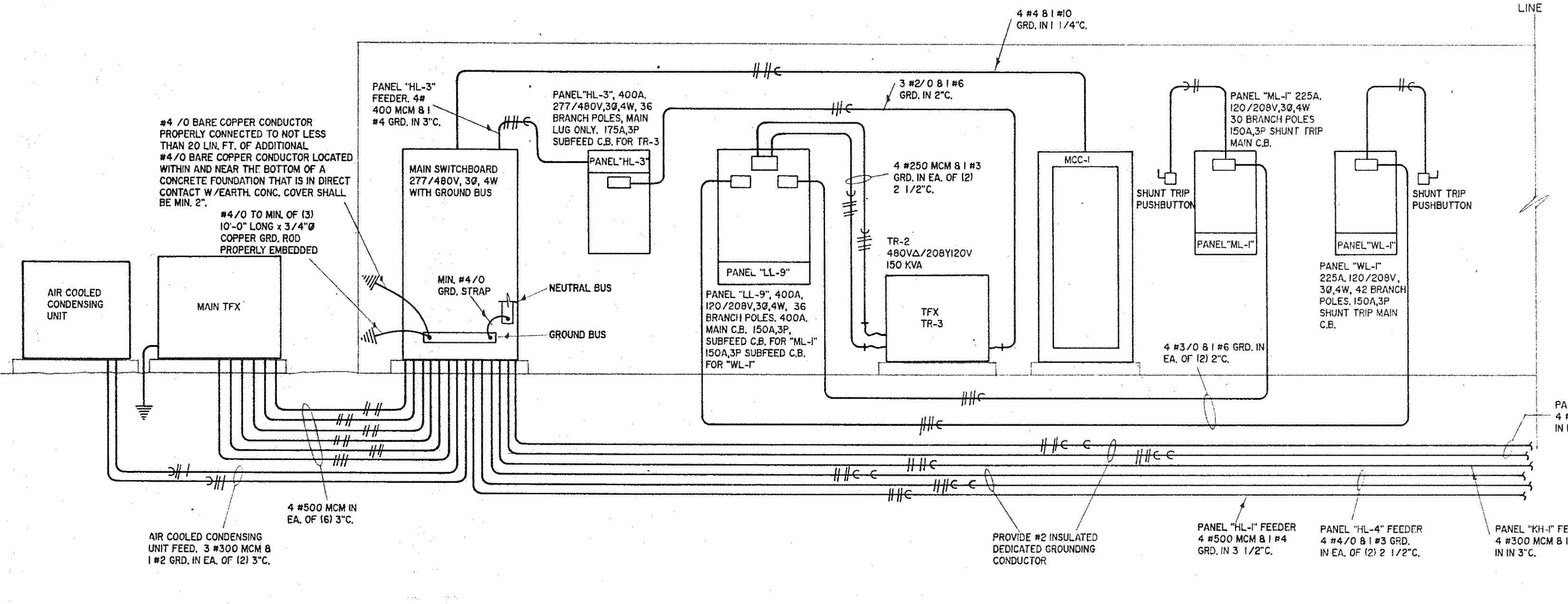
KIENE & BRADLEY DESIGN GROUP · AIA  
 CHARTERED  
 ARCHITECTS  
 TOPEKA  
 INTERIOR ARCHITECTURE  
 KANSAS

JOB NO. 89-36  
 DATE 4-8-91  
 REVISION  
 SHEET NO.  
 E9

**NOTE:**  
CONDUIT SIZING IS BASED ON USE OF THWN/THHN CONDUCTORS. IF THW CONDUCTORS ARE USED, ADDITIONAL COSTS FOR LARGER CONDUIT SIZES SHALL BE INCLUDED IN THE BASE BID.



**ELECTRICAL DISTRIBUTION RISER**

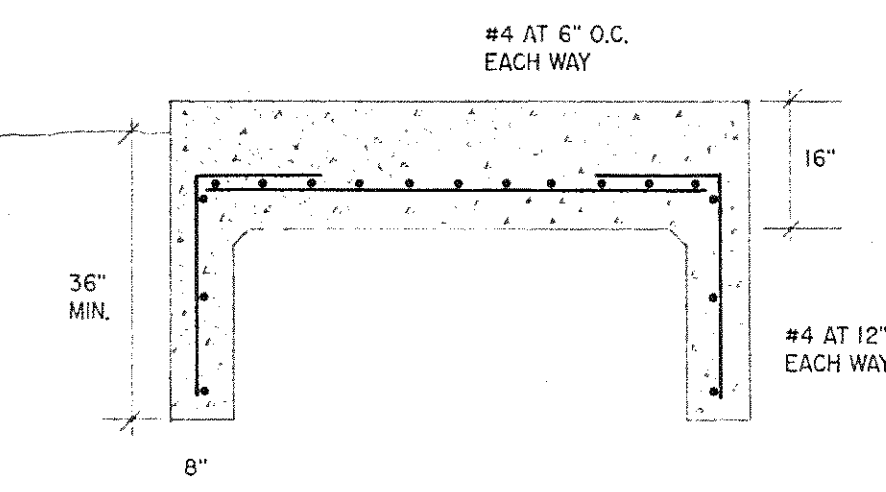
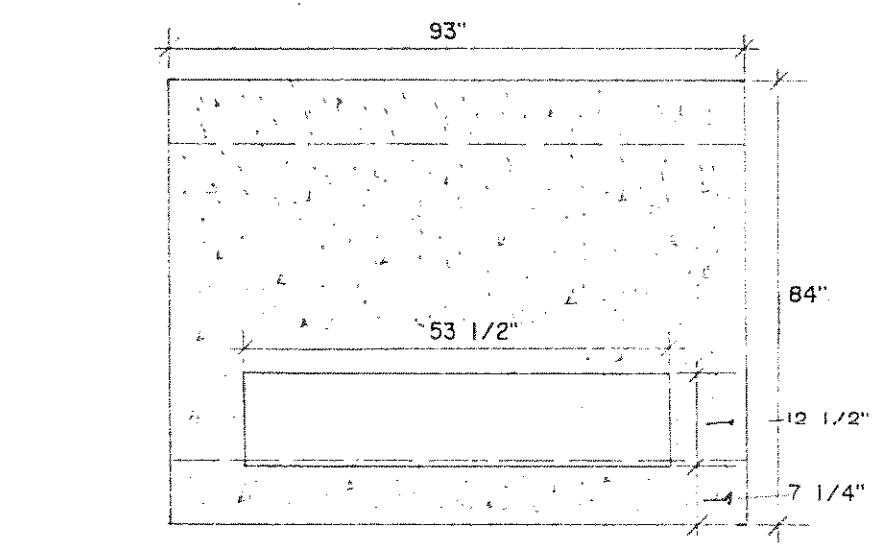


**NOTE:**  
CONTRACTOR SHALL INCLUDE IN BASE BID ALL COSTS REQUIRED BY MUNICIPAL POWER COMPANY FOR NEW SERVICE ENTRANCE AND PAD MOUNTED TRANSFORMER.

MOTOR CONTROL CENTER										
MANUFACTURER: SQUARE D <sup>®</sup> NEMA 1 ENCLOSURE 460V, 3Ø, 4 WIRE, 60 HZ, 225A, MAIN BUS										
UNIT NO.	LOAD	HP	FLA	AMP	POLE	AMP	POLE	SIZE	STARTER *	INTERLOCK
1	AHU-8	1 1/2	2.6	30	3	3 1/2	3	1/0	FVNR	HOA RRG PILOT
2	BOILER #1	1 1/2	2.6	30	3	3 1/2	3	1/0	FVNR	HOA RRG PILOT
3	BOILER #2	1 1/2	2.6	30	3	3 1/2	3	1/0	FVNR	HOA RRG PILOT
4	HOT WATER PUMP #1	5	7.6	30	3	6	3	1/0	FVNR	HOA RRG PILOT
5	HOT WATER PUMP #2 (STANDBY)	5	7.6	30	3	6	3	1/0	FVNR	HOA RRG PILOT
6	CHILLED WATER PUMP #1	10	14	30	3	17 1/2	3	1	FVNR	HOA RRG PILOT
7	PRIMARY CHILLED WATER PUMP #2	3	4.8	30	3	6	10	3	1/0	FVNR
8	AIR COMPRESSOR	5	7.6	30	3	10	3	1/0	FVNR	HOA

\* FVNR - FULL VOLTAGE NON-REVERSING  
RRG - RED AND GREEN PILOT LIGHTS  
HOA - HAND OFF AUTO SWITCH

FUSIBLE SWITCHBOARD					
MANUFACTURER: SQUARE D QED-1 277/480V, 3Ø, 4W, 1600A MAIN BUS, 1600A NEUTRAL BUS					
UNIT NO.	EQUIPMENT SERVED	FLA	AMP	POLE	FUSE TYPE
	MAIN SWITCH	1480	1600	3	LNRP-CJ
1	CHILLER	319	400	3	RK-5
2	HL-1	297	400	3	RK-1
3	HL-2	201	400	3	RK-1
4	HL-3	266	400	3	RK-1
5	HL-4	161	400	3	RK-1
6	MOTOR CONTROL CENTER	37	60	3	RK-5
8	SPARE	60	3	—	—



**NOTE:**  
PAD SHALL BE 3000 PSI CONCRETE, 15" MIN. THICKNESS. REINFORCING SHALL BE #4 AT 6" O.C. EACH WAY IN BOTTOM OF CONCRETE PAD WITH 3" MIN. CONCRETE COVER. VERIFY PAD DIMENSION, REINFORCING AND BLOCKOUTS WITH TRANSFORMER MANUFACTURER.

**TRANSFORMER PAD DETAIL**  
(VERIFY W/PPOWER CO.)

